Sample names	mCRPC-Ad	mCRPC-Ad	mCRPC-Ad	mCRPC-Ad	mCRPC-Ad	mCRPC-Ad	mCRPC-Ad	mCRPC-Ad	mCRPC-Ad	mCRPC-Ad	mCRPC-Ad	mCRPC-Ad	mCRPC-Ad	mCRPC-Ad	mCRPC-Ad	mCRPC-Ad	mCRPC-Ad	mCRPC-Ad	mCRPC-NE	mCRPC-NE11	baseMean	log2FoldCh	lfcSE	pvalue	padj	status	control	comparison
SampleGroup	control	control	control	control	control	control	control	control	control	control	control	control	control	control	control	control	control	control	test	test								
hsa-let-7a-5p	3332.256	8445.329	6982.46	5975.165	2863.362	5039.441	8089.81	8489.464	13233.94	5662.778	4895.937	6985.2	6573.294	12872.88	13092.96	9005.864	16611.14	9557.595	17191.36	9415.287	8715.776	0.667312	0.482778	0.1669	0.299857	OK	6735.24	10696.31
hsa-let-7a-3p	3.107481	0	2.970628	2.594514	0	7.709497	1.039688	0	1.174575	4.426812	4.328857	1.992072	3.658297	4.89764	1.478038	2.972429	5.95723	0	6.593045	5.599338	3.025007	1.022469	0.698608	0.143309	NaN	Low	1.995787	4.054227
hsa-let-7a-2-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-let-7b-5p	389.471	925.288	968.4246	600.6299	487.0847	629.6089	1750.834	1384.268	2701.522	1158.939	285.7046	620.5304	672.7941	2067.181	1913.567	979.118	4078.32	2219.743	2873.469	1109.869	1390.818	0.537525	0.675205	0.425979	0.573791	OK	1134.676	1646.96
hsa-let-7b-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-let-7c-5p	277.6017	89.05709	267.3565	133.6175	173.9588	6393.743	105.0085	164.8785	10831.93	397.5278	7057.119	2806.829	404.7407	428.3552	650.8296	63.01549	169.1853	436.5407	488.9842	716.7153	1602.85	-1.04941	1.068894	NaN	NaN	Outlier	2161.392	1044.307
hsa-let-7c-3p	0	0	0	0	0	5.139665	0	0	1.174575	0.885362	4.328857	0.996036	0	0	0	0	0	0	0	0.399953	0.646222	-0.52848	1.177077	0.653447	NaN	Low	0.763277	0.529168
hsa-let-7d-5p	131.55	152.4537	81.69226	95.99701	201.7922	77.09497	116.445	194.5329	170.3134	133.6897	225.1006	186.2587	178.924	212.4822	163.5696	416.14	189.4399	542.3687	712.0489	333.1606	225.7527	1.36264	0.529368	0.01005	0.042317	OK	126.4171	325.0883
hsa-let-7d-3p	61.1138	80.00043	87.63351	57.0793	121.7712	35.97765	45.74626	68.79823	58.72875	69.94364	58.43957	68.72648	71.1705	69.69719	50.2533	97.49566	65.52953	148.1593	193.396	71.59154	79.06259	0.828438	0.396563	0.036703	0.107707	OK	56.9664	101.1588
hsa-let-7e-5p	105.6544	173.5858	138.1342	64.86284	292.2508	120.7821	167.3897	141.155	82.22024	136.3458	232.6761	76.69477	140.3456	203.4405	261.6128	215.7983	197.78	383.6267	835.119	268.7682	211.9121	1.586346	0.507985	0.001791	0.011855	OK	105.8799	317.9444
hsa-let-7e-3p	2.071654	3.018884	0	2.594514	13.91671	2.569832	3.119063	2.372353	1.174575	2.656087	2.164428	0.996036	1.662862	1.883708	1.478038	0.594486	0	1.322851	1.098841	2.799669	2.374729	0.095214	0.784761	0.903431	NaN	Low	2.296395	2.453064
hsa-let-7f-5p	5823.42	6996.264	6805.708	6784.654	4049.762	4494.637	7531.497	5840.732	6751.457	6911.14	8231.321	5456.285	7099.757	7978.256	5376.118	11525.29	8294.847	8831.35	11282.9	5854.108	7095.975	0.300169	0.304968	0.324985	0.473317	OK	6360.428	7831.523
hsa-let-7f-1-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-let-7f-2-3p	0	0	0	0	0	0	0	0	0	0	0	0	0.665145	0	0	0	0	0	0	0	0.033257	-0.06536	0.461381	0.887341	NaN	Low	0.034011	0.032504
hsa-miR-15a-5p	74.57956	49.81159	41.58879	40.21496	24.35424	20.55866	24.9525	15.42029	82.22024	35.4145	46.53521	21.91279	33.25724	40.31135	35.9656	32.10223	59.5723	37.03982	76.91886	79.19064	43.59607	0.93178	0.43802	0.033399	0.101436	OK	29.98738	57.20476
hsa-miR-15a-3p	0	0	0	0	0	0	0	0	0	0	0	0	0.332572	0	0	0	0	0	0	0	0.016629	-0.0381	0.357845	0.915204	NaN	Low	0.016848	0.016409
hsa-miR-16-5p	3222.458	2276.239	1384.312	1875.833	3110.384	1616.425	2165.669	1909.744	5038.926	2030.136	2047.549	1748.043	2164.714	2680.14	2152.517	2150.255	4525.112	4784.75	5872.205	6086.881	2942.115	1.16243	0.412555	0.004838	0.024844	OK	1817.05	4067.179
hsa-miR-16-1-3p	1.035827	0	1.485314	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.126057	-0.28942	0.856841	0.735536	NaN	Low	0.138659	0.113455
hsa-miR-17-5p	221.667	80.00043	47.53004	92.10524	180.9172	56.53631	46.78594	90.1494	98.66429	70.829	109.3036	197.2151	156.9742	299.8863	205.4473	151.5939	110.8045	128.3165	146.1458	267.1684	137.902	0.628883	0.537696	0.242167	0.389521	OK	108.3127	167.4913
hsa-miR-17-3p	10.35827	7.547211	0	3.891771	3.479177	7.709497	4.158751	9.489411	10.57117	2.656087	4.328857	9.960359	3.990869	12.05573	4.926795	7.728315	8.340122	2.645701	7.691886	7.999055	6.476452	0.263982	0.581551	0.64988	NaN	Low	5.885573	7.06733
hsa-miR-18a-5p	11.3941	3.018884	4.455941	3.891771	31.31259	7.709497	1.039688	4.744705	11.74575	3.54145	7.5755	6.972252	11.97261	24.86494	8.86823	19.61803	4.765784	13.22851	16.48261	40.39523	11.8799	1.398123	0.687709	0.042051	0.117278	OK	6.535347	17.22446
hsa-miR-18a-3p	4.143309	0	0	1.297257	3.479177	0	0	0	1.174575	1.770725	2.164428	0	0.997717	1.506966	1.478038	1.188971	1.191446	2.645701	6.593045	6.399244	1.80153	2.111961	0.739211	0.004276	NaN	Low	0.676913	2.926147
hsa-miR-19a-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-19a-3p	107.726	61.88713	11.88251	44.10673	212.2298	69.38548	22.87313	15.42029	37.5864	36.29986	34.63086	52.7899	76.15909	248.2727	73.40924	36.85812	70.29532	79.37103	80.21538	160.381	76.589	0.680155	0.71286	0.340022	0.489434	OK	58.86227	94.31573
hsa-miR-19b-1-5p	0	0	0	2.594514	3.479177	0	0	0	0	0	0	0.996036	0.332572	1.130225	0.492679	0	0	0	1.098841	0.399953	0.5262	0.415845	1.165524	0.72125	NaN	Low	0.450884	0.601516
hsa-miR-19b-3p	224.7745	117.7365	41.58879	129.7257	427.9387	174.7486	120.6038	79.47382	106.8863	122.18	119.0436	164.3459	169.2794	439.6574	305.9539	136.7317	193.0143	253.9873	158.2331	353.1583	191.9531	0.443522	0.570988	0.437299	0.584251	OK	162.6776	221.2285
hsa-miR-19b-2-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-20a-5p	235.1328	80.00043	37.13284	128.4284	187.8755	61.67598	48.86532	120.99	95.14057	85.88016	89.82378	228.0922	172.9377	299.1328	223.6765	124.2475	103.6558	99.21379	132.9597	225.9733	139.0418	0.39076	0.553602	0.480281	0.620914	OK	120.326	157.7575
hsa-miR-20a-3p	0	0	0	0	0	0	0	0	0	2.656087	0	0.996036	0	2.637191	0	0	0	0	0	0.799905	0.354461	0.048859	1.100698	0.964594	NaN	Low	0.348459	0.360463
hsa-miR-21-5p	4695.405	7766.08	7211.198	6557.634	4150.658	12774.64	7711.363	3668.843	5756.592	11513.25	10740.98	5420.428	7505.162	8296.98	14144.83	6676.669	20780.01	4599.551	3625.076	4231.5	7891.342	-1.03735	0.484775	0.032366	0.100351	OK	10612.19	5170.496
hsa-miR-21-3p	171.9473	217.3597	454.506	516.3082	104.3753	377.7654	170.5088	224.1873	202.0269	371.8522	503.2296	146.4173	257.4111	187.994	317.7783	309.1326	306.2016	170.6477	169.2215	65.9922	262.2432	-1.19643	0.486677	0.013957	0.052526	OK	365.1512	159.3351
hsa-miR-22-5p	1.035827	0	0	0	0	0	0	1.039688	0	0	0	0.996036	0.665145	1.883708	3.941436	1.783457	3.574338	2.645701	2.197682	0.799905	1.028146	0.244647	1.044669	0.814841	NaN	Low	0.94118	1.115112
hsa-miR-22-3p	3770.411	5360.029	5345.644	4991.845	5096.994	7866.257	11467.75	5062.601	7067.417	3768.103	14371.8	8475.27	9231.546	7515.241	12459.37	7348.438	13807.67	8533.709	4823.911	4010.326	7518.717	-0.80303	0.437173	0.06623	0.159274	OK	9558.836	5478.598
hsa-miR-23a-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-23a-3p	32.11064	182.6425	92.08945	75.2409	111.3337	200.4469	87.33376	53.37794	59.90332	107.1289	55.19293	84.66305	138.3501	85.89708	73.90192	41.01952	129.8676	93.92239	37.36059	63.19253	90.24879	-0.85303	0.495497	0.085147	0.192116	OK	116.1788	64.31878
hsa-miR-24-1-5p	0	0	0	0	0	0	0	0	0	0	0	0	0.332572	0.376742	0	0	0	0	1.098841	0	0.090408	0.893116	0.96654	0.355468	NaN	Low	0.063285	0.117531
hsa-miR-24-3p	5.179136	12.07554	1.485314	2.594514	10.43753	12.84916	7.277814	9.489411	15.26947	15.93652	5.411071	8.964323	9.312028	8.665056	12.31699	13.67317	21.44603	22.48846	29.6687	19.59768	12.2069	1.11297	0.523302	0.033435	0.101436	OK	7.718791	16.695
hsa-miR-24-2-5p	0	0	0	0	0	0	1.039688	0	0	0	0	0	0	0	0.492679	0	0	0	0	0.399953	0.096616	0.294943	0.938047	0.7532	NaN	Low	0.086774	0.106458
hsa-miR-25-5p	0	0	0	0	0	0	1.039688	0	0	0	0	0	0	0	0	0.594486	0	0	1.098841	0.799905	0.176646	1.469899	1.155176	0.203215	NaN	Low	0.093711	0.259581
hsa-miR-25-3p	993.3582	486.0404	2040.821	630.4668	2028.36	639.8883	1394.221	816.0893	1908.684	974.7841	1125.503	2057.81	902.6016	1658.793	1719.451	1487.998	1021.069	1346.662	3467.942	1084.672	1389.261	0.783614	0.481464	0.103617	0.219583	OK	1020.975	1757.546
hsa-miR-26a-5p	12522.11	10054.39	7130.991	9318.196	8179.544	7704.358	11196.4	6569.045	9726.655	16385.4	9832.998	12630.73	13667.4	18395.16	15017.86	7878.125	20617.97	12757.57	13234.44	32115.8	12746.76	0.934994	0.392423	0.01719	0.061188	OK	8754.992	16738.52
hsa-miR-26a-1-3p	0	0	0	0	0	0	0	0	0	0.885362	0	0.996036	0.332572	1.130225	0.985359	0	1.191446	1.322851	0	1.199858	0.402185	0.453674	1.153688	0.694144	NaN	Low	0.339465	0.464906
hsa-miR-26b-5p	936.3877	430.191	338.6515	303.5581	156.563	149.0503	379.486	303.6611	320.659	463.9299	361.4595	300.8029	358.1805	730.8787	641.9613	303.7822	349.0937	388.9181	205.4832	245.9709	383.4334	-0.79758	0.467788	0.088194	0.196741	OK	486.8025	280.0643
hsa-miR-26b-3p	11.3941	10.56609	25.25033	11.67531	6.958353	5.139665	8.317501	8.303235	11.74575	3.54145	5.411071	3.984144	4.323442	13.93944	17.73646	2.377943	5.95723	3.968552	3.296522	3.599575	8.374309	-1.23366	0.694088	0.075505	NaN	Low	11.75146	4.997156
hsa-miR-27a-5p	0	0	0	0	0	0	1.039688	1.186176	0	0	0	0	0	0	0.985359	0	0	0	0	0	0.160561	-0.49467	1.012116	0.625022	NaN	Low	0.187821	0.133301
hsa-miR-27a-3p	32.11064	125.2837	69.80975	71.34913	38.27094	82.23464	74.85751	24.9097	57.55417	37.18522	33.54864	38.8454	71.50308	48.59966	36.45828	25.56289	45.27495	42.33122	19.77913	18.39783	49.69332	-1.4064	0.486705	0.003857	0.021011	OK	72.16299	27.22365
hsa-miR-28-5p	32.11064	98.11374	43.0741	25.94514	48.70847	66.81564	82.13533	34.39911	66.95077	106.2435	127.7013	83.66702	55.87217	94.18539	105.4334	65.98792	231.1405	166.6792	32.96522	17.19797	79.26633	-1.66858	0.584077	0.00428	0.02281	OK	120.5972	37.93548
hsa-miR-28-3p	830.7334	3308.697	1160.03	919.7551	1325.566	706.7039	1350.554	617.9979	1021.88	2122.214	1151.476	1105.6	840.4106	1007.784	1386.4	897.6735	5981.059	1326.819	368.1117	276.3673	1385.292	-2.06114	0.60763	0.000694	0.006283	OK	2235.013	535.5703
hsa-miR-29a-5p	0	0	2.970628	0	0	0	0	1.186176	0	2.656087	1.082214	0	0.332572	1.506966	0.492679	0.594486	0	0	0	1.599811	0.621081	0.352544	1.130241	0.755102	NaN	Low	0.545571	0.696591
hsa-miR-29a-3p	92.18862	89.05709	106.9426	118.0504	24.35424	107.933	153.8738	77.10146	42.2847	295.7111	301.9378	479.0933	54.54188	170.6639	141.8917	46.96437	101.2729	78.04818	47.25016	68.39192	129.8776	-1.13607	0.687161	0.098274	0.213904	OK	178.5262	81.2291
hsa-miR-30a-5p	123.2634	236.9824	74.26569	58.37656	86.97942	125.9218	158.0325	176.7403	63.42705	491.3762	233.7583	92.63134	99.77173	472.4339	165.0476	47.55886	337.1792	269.8615	43.95363	98.78833	172.8175	-1.24289	0.669363	0.063335	0.155587	OK	242.973	102.6619
hsa-miR-30a-3p	26.93151	70.94378	16.33845	22.05337	17.39588	46.25698	62.38126	66.42588	34.06267	115.9825	56.27514	17.92865	21.61721	90.04124	50.74598	5.944857	122.7189	47.62262	10.98841	34.79589	46.87256	-0.98991	0.703536	0.159412	0.289466	OK	62.35091	31.39421
hsa-miR-31-5p	0	0	0	0	0	2.569832	0	27.28206	0	0	0	0	0	0	0	0.594486	0	0	0	2.799669	1.662302	-0.06141	1.046421	NaN	NaN	Low	1.697677	1.626927
hsa-miR-31-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-32-5p	1.035827	1.509442	0	3.891771	3.479177	2.569832	2.079375	1.186176	1.174575	5.312175	2.164428	2.988108	0.997717	1.883708	1.970718	1.188971	1.191446	2.645701	1.098841	1.999764	2.018388	-0.21166	0.778449	0.785698	NaN	Low	2.166184	1.870592
hsa-miR-32-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-33a-5p	7.25079	3.018884	8.911883	3.891771	6.958353	7.709497	9.357189	0	22.31692	0.885362	4.328857	4.98018	9.312028	1.883708	1.970718	5.350372	5.95723	2.645701	9.889567	9.598866	6.310894	0.661847	0.741947	0.372371	NaN	Low	4.888174	7.733614
hsa-miR-33a-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-92a-1-5p	0	0	1.485314	0	0	0	0	0	0	0.885362	0	0	0	0	0.492679	2.377943	2.382892	0	1.098841	0.399953	0.456149	0.351719	1.19204	0.767951	NaN	Low	0.40082	0.511478
hsa-miR-92a-3p	13285.52	5895.881	10140.24	15891.4	3493.093	3281.676	2839.387	11361.2	5387.775	4542.795	4298.555	11422.54	6973.046	10854.68	6781.733	8180.124	4059.257	8613.08	7923.741	7049.567	7613.764	-0.02573	0.516248	0.96025	0.973579	OK	7681.656	7545.872
hsa-miR-92a-2-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-93-5p	328.3572	134.3403	412.9172	134.9147	988.0862	305.8101	391.9622	464.9811	540.3045	320.5012	376.6105	483.0774	379.7977	305.1607	923.774	707.438	387.22	612.4798	901.0495	952.2875	502.5535	0.976579	0.513608	0.057248	0.147381	OK	338.6715	666.4355
hsa-miR-93-3p	1.035827	0	0	0	0	2.569832	0	0	2.34915	0.885362	1.082214	0.996036	1.33029	1.883708	4.926795	2.377943	2.382892	2.645701	4.395363	3.999527	1.643032	1.272034	0.829243	0.125037	NaN	Low	0.962239	2.323825
hsa-miR-95-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0	0	0	0	2.197682	1.999764	0.228709	2.776811	1.698011	0.10198	NaN	Low	0.058245	0.399174
hsa-miR-95-3p	0	0	0	0	0	0	1.039688	1.186176	0	0	0	0	0	0.753483	0	1.188971	1.191446	1.322851	48.349	27.19679	4.11142	5.649724	0.859902	5.02E-11	NaN	Low	0.160591	8.062249
hsa-miR-96-5p	159.5174	107.1704	152.9873	136.212	490.5639	56.53631	41.58751	84.21852	200.8523	90.30697	64.93285	63.7463	77.48938	111.5155	55.67278	73.71623	141.7821	50.26832	98.89567	313.163	128.5567	0.734297	0.639432	0.25082	0.396964	OK	96.52903	160.5844
hsa-miR-96-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-98-5p	459.9073	244.5296	1017.44	376.2045	504.4806	236.4246	374.2876	300.1026	440.4656	653.3975	502.1474	178.2904	364.4994	608.8144	368.0316	1132.495	893.5845	1534.507	1963.629	1407.434	678.0336	1.478313	0.575993	0.010272	0.042733	OK	358.1579	997.9093
hsa-miR-98-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-99a-5p	19.68072	10.56609	63.86849	29.83691	31.31259	1356.872	14.55563	18.97882	1828.813	75.25581	1331.123	403.3946	45.22985	59.14843	89.66766	8.917286	16.68024	52.91402	51.64552	64.79234	278.6627	-1.54015	1.095672	0.159824	0.289681	OK	414.7227	142.6026
hsa-miR-99a-3p	1.035827	1.509442	0	0	3.479177	10.27933	0	0	22.31692	0.885362	9.739928	5.976216	0.997717	0.753483	1.478038	0	0	0	0	0.799905	2.962567	-1.45682	1.166046	0.211531	NaN	Low	4.342999	1.582136
hsa-miR-100-5p	50.75553	67.9249	46.04473	18.1616	38.27094	74.52514	31.19063	49.81941	92.79142	72.59972	47.61743	30.87711	33.92239	56.51124	56.65814	7.133829	17.87169	38.36267	31.86638	25.19702	44.4051	-0.65596	0.555638	0.237782	0.385046	OK	54.32966	34.48053
hsa-miR-100-3p	0	0	2.970628	2.594514	0	2.569832	0	0	1.174575	1.770725	0	0	0.665145	0.753483	0.492679	0	0	0	0	0	0.649579	-1.64284	1.192943	0.168472	NaN	Low	0.984042	0.315116
hsa-miR-101-5p	0	0	0	1.297257	0	0	0	0	0	0.885362	1.082214	0	0.332572	0.753483	0	0	0	0	0	0.799905	0.25754	0.422956	1.193264	0.722999	NaN	Low	0.220056	0.295023
hsa-miR-101-3p	218.5595	61.88713	132.1929	60.97107	38.27094	48.82682	167.3897	56.93647	61.0779	292.1696	154.7566	214.1477	156.6416	174.8081	157.1647	61.23203	73.86966	64.81968	49.44784	87.58965	116.638	-0.77651	0.599045	0.194893	0.33189	OK	147.2908	85.98522
hsa-miR-29b-1-5p	0	0	0	0	0	0	0	0	0	0	1.082214	0	0	0	0	0	0	0	0	0	0.054111	-0.09768	0.553342	0.859877	NaN	Low	0.055942	0.05228
hsa-miR-29b-3p	17.60906	25.66052	8.911883	25.94514	13.91671	35.97765	47.82563	21.35117	17.61862	115.0971	79.00164	65.73837	16.96119	28.63236	42.37043	22.59046	36.93483	15.87421	4.395363	21.9974	33.22049	-1.258	0.68776	0.06738	0.161213	OK	46.85138	19.5896
hsa-miR-29b-2-5p	0	0	0	0	0	0	0	1.186176	0	0	0	0	0.332572	0.376742	0	0	0	0	0	0	0.094775	-0.42081	0.966529	0.663281	NaN	Low	0.1085	0.081049
hsa-miR-103a-2-5p	0	1.509442	0	2.594514	0	0	0	0	1.174575	0	0	0	0.997717	1.130225	0	0.594486	0	1.322851	0	1.199858	0.526183	0.237982	1.159799	0.837422	NaN	Low	0.482883	0.569484
hsa-miR-103a-3p	888.7397	907.1747	843.6582	664.1955	1318.608	768.3799	989.7827	1290.56	1293.207	1133.264	1003.213	664.356	1224.532	1254.926	1220.367	1498.699	2135.071	3164.259	2925.114	2917.255	1405.268	1.198086	0.432659	0.005621	0.028133	OK	853.1382	1957.398
hsa-miR-105-5p	0	0	0	0	0	0	0	0	1.174575	0	0	1.992072	0	2.637191	0	9.511772	0	11.90566	16.48261	0	2.185194	1.164889	1.171763	0.320158	NaN	Low	1.347987	3.022401
hsa-miR-105-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-106a-5p	42.46891	16.60386	28.22096	47.99851	13.91671	17.98883	41.58751	81.84617	36.41182	17.70725	7.5755	28.88504	14.63319	27.87888	45.81919	50.53129	1.191446	80.69388	3.296522	1.999764	30.36276	-3.20165	0.779549	4.01E-05	0.000836	OK	54.7721	5.953423
hsa-miR-106a-3p	0	0	2.970628	0	0	0	0	0	0	0	0	0	0	0	0.492679	0.594486	0	0	0	0	0.20289	-0.51801	1.024569	0.613143	NaN	Low	0.238928	0.166851
hsa-miR-107	2.071654	4.528326	4.455941	6.486284	52.18765	2.569832	2.079375	1.186176	3.523725	3.54145	6.493285	15.93657	12.30518	7.911573	13.30235	33.88569	1.191446	22.48846	45.05247	25.99693	13.35972	1.486561	0.860354	0.084015	0.190435	OK	7.027358	19.69208
hsa-miR-16-2-3p	0	0	1.485314	0	0	0	1.039688	0	1.174575	0	0	0.996036	0.332572	1.506966	0.492679	0.594486	0	0	3.296522	1.599811	0.625932	1.752948	1.012662	0.083447	NaN	Low	0.286437	0.965428
hsa-miR-192-5p	710.5774	187.1708	68.32443	511.1192	107.8545	246.7039	382.6051	258.5864	425.1961	210.7163	310.5955	1795.853	624.2385	485.9966	765.1312	1419.632	892.3931	795.0332	394.4839	848.6997	572.0455	0.119474	0.727672	0.869585	0.917016	OK	548.3727	595.7184
hsa-miR-192-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-196a-5p	48.68388	6.037769	20.79439	36.32319	3.479177	0	17.67469	8.303235	34.06267	2.656087	3.246643	16.93261	52.87902	0.376742	72.42388	1.783457	0	5.291402	117.576	16.79801	23.26614	1.436248	1.025756	0.161458	0.29157	OK	12.55538	33.9769
hsa-miR-197-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-197-3p	16.57323	30.18884	17.82377	18.1616	111.3337	33.40782	29.11125	46.26088	83.39482	69.05827	38.95971	235.0645	62.52362	56.88798	174.4085	83.82249	138.2077	146.8364	239.5473	146.7827	88.91775	1.190537	0.715164	0.095972	0.209854	OK	54.17888	123.6566
hsa-miR-198	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-199a-5p	105.6544	51.32103	151.502	195.8858	52.18765	167.0391	45.74626	46.26088	169.1388	74.37045	38.95971	45.81765	50.55101	120.1806	79.32139	32.10223	25.02037	71.43393	24.1745	32.79612	78.97319	-1.44684	0.610917	0.01787	0.063154	OK	115.5571	42.38926
hsa-miR-199a-3p	46.61222	39.2455	57.92724	94.69975	52.18765	105.3631	34.30969	52.19176	91.61684	68.17291	53.0285	60.75819	57.86761	90.79472	105.9261	46.96437	38.12627	79.37103	47.25016	39.99527	63.12045	-0.57291	0.393005	0.144904	0.270087	OK	75.4912	50.74969
hsa-miR-208a-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-208a-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-129-5p	0	0	0	1.297257	0	0	0	2.372353	0	0.885362	1.082214	0	0	0.376742	0	0.594486	0	1.322851	12.08725	23.59721	2.180786	4.518125	0.922476	9.69E-07	NaN	Low	0.18239	4.179183
hsa-miR-129-1-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.197682	6.399244	0.429846	4.132899	1.658253	0.012691	NaN	Low	0.04636	0.813333
hsa-miR-148a-5p	207.1654	63.39657	50.50067	83.02444	167.0005	7.709497	196.501	41.51617	48.15757	390.4449	95.23485	622.5225	173.2702	62.5391	355.7146	936.9095	201.3544	174.6163	61.53509	11.59863	197.5356	-2.11586	0.871946	0.015241	0.056262	OK	321.0113	74.05983
hsa-miR-148a-3p	30921.51	7231.737	5090.17	15437.36	20189.66	2307.71	16915.72	2562.141	4085.172	32939.03	7464.031	49307.76	15217.18	5357.265	22330.7	63088.01	11496.26	12171.55	3056.975	659.5221	16391.47	-2.79196	0.807357	0.000544	0.005258	OK	28646.67	4136.278
hsa-miR-30c-5p	98.40358	98.11374	75.751	59.67382	132.2087	69.38548	116.445	129.2932	49.33215	216.0284	123.3724	146.4173	148.6599	203.0637	241.4129	89.76735	246.6293	136.2536	87.90727	141.1833	130.4651	-0.19916	0.479715	0.678021	0.781905	OK	139.4561	121.4742
hsa-miR-30c-2-3p	1.035827	6.037769	0	2.594514	13.91671	10.27933	8.317501	3.558529	3.523725	15.05116	8.657714	4.98018	2.66058	13.18596	4.926795	1.188971	10.72301	2.645701	1.098841	2.399716	5.839127	-1.45429	0.83617	0.081994	NaN	Low	8.555913	3.12234
hsa-miR-30d-5p	347.0021	1053.591	409.9466	805.5965	365.3136	511.3967	332.7001	1052.138	295.9929	718.029	1422.029	1137.473	1765.96	881.1985	761.6824	1856.579	756.5682	957.7438	256.0299	319.5622	800.3266	-1.48228	0.555872	0.007662	0.03566	OK	1178.752	421.9013
hsa-miR-30d-3p	15.53741	40.75494	22.27971	41.51222	20.87506	7.709497	24.9525	20.165	28.1898	27.44624	44.37078	24.9009	54.20931	23.73472	37.44364	54.0982	35.74338	11.90566	17.58145	18.39783	28.59041	-0.72015	0.490111	0.141733	0.265178	OK	35.58161	21.59921
hsa-miR-139-5p	4.143309	4.528326	4.455941	5.189028	0	2.569832	5.198438	4.744705	7.04745	5.312175	4.328857	11.95243	5.986304	7.911573	2.463397	3.566914	2.382892	9.259954	39.55827	31.19631	8.089806	2.62482	0.457927	9.93E-09	NaN	Low	2.257177	13.92243
hsa-miR-139-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-147a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-7-5p	2.071654	0	0	1.297257	0	0	0	2.372353	0	0	1.082214	0	0.665145	0.753483	0.492679	7.728315	0	1.322851	89.00611	73.19135	8.99917	5.15801	0.955766	6.79E-08	NaN	Low	0.490366	17.50798
hsa-miR-7-1-3p	2.071654	4.528326	1.485314	3.891771	6.958353	2.569832	4.158751	1.186176	4.6983	3.54145	5.411071	2.988108	1.662862	3.390674	5.419474	4.1614	5.95723	7.937103	20.87798	4.799433	4.884763	1.534589	0.581035	0.008263	NaN	Low	2.506898	7.262628
hsa-miR-7-2-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-10a-5p	748.903	629.4374	643.1409	1480.17	998.5237	2914.19	577.0267	835.0682	480.4011	1805.254	443.7078	1712.186	468.9271	1589.849	1573.126	703.8711	1743.086	2004.119	410.9665	2733.277	1224.761	0.377326	0.625511	0.546357	0.675073	OK	1065.505	1384.018
hsa-miR-10a-3p	0	0	1.485314	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.074266	-0.11896	0.603289	0.843685	NaN	Low	0.077326	0.071206
hsa-miR-10b-5p	769.6196	5129.084	744.1422	1877.131	76.54189	711.8436	2025.312	1493.396	14809.04	1452.88	34977.16	171.3182	6633.49	379.002	157.6574	301.4043	1491.69	2531.936	9089.611	14010.74	4941.65	1.099358	1.052318	NaN	NaN	Outlier	3144.951	6738.35
hsa-miR-10b-3p	0	1.509442	0	0	0	0	0	1.186176	4.6983	0	20.56207	0	2.328007	0	0	0.594486	0	2.645701	7.691886	2.799669	2.200787	0.851893	1.189049	0.473714	NaN	Low	1.569263	2.832311
hsa-miR-34a-5p	39.36143	22.64163	23.76502	45.40399	59.146	20.55866	25.99219	73.54293	29.36437	33.64377	20.56207	20.91675	13.63547	23.35798	37.93632	36.85812	52.42363	104.5052	26.37218	101.9879	40.59878	0.735298	0.570708	0.197609	0.33478	OK	30.47109	50.72648
hsa-miR-34a-3p	2.071654	0	0	0	0	0	0	7.117058	0	0.885362	0	0	0.665145	0	0	1.188971	1.191446	1.322851	0	1.599811	0.802115	0.065969	1.185013	0.955605	NaN	Low	0.783779	0.820451
hsa-miR-181a-5p	588.3498	5601.54	1604.139	1330.986	1882.235	3222.57	1502.349	1999.893	3933.651	1277.578	2225.032	6838.783	1348.249	2431.49	2139.214	1776.323	2753.432	3791.29	4673.37	1633.807	2627.714	0.27606	0.59278	0.641428	0.752665	OK	2377.072	2878.356
hsa-miR-181a-2-3p	8.286617	7.547211	28.22096	11.67531	17.39588	28.26816	13.51594	29.65441	45.80842	6.197537	19.47986	10.9564	9.977173	23.35798	11.33163	16.05111	15.4888	31.74841	113.1806	5.199386	22.66709	1.521875	0.676674	0.024509	0.081919	OK	11.70929	33.62489
hsa-miR-181b-5p	32.11064	153.9631	69.80975	81.72718	160.0421	141.3408	65.50032	112.6868	236.0896	54.89247	56.27514	68.72648	55.5396	55.00427	50.74598	85.01146	102.4644	141.545	213.1751	65.59225	100.1121	0.514844	0.551247	0.350323	0.496239	OK	82.43616	117.7881
hsa-miR-181b-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.098841	0	0.054942	0.854394	0.6085	0.160289	NaN	Low	0.039133	0.070752
hsa-miR-181c-5p	30.03899	119.2459	29.70628	156.9681	34.79177	41.11732	68.61939	49.81941	52.85587	55.77784	57.35735	18.92468	42.90185	181.2127	34.98024	39.83054	64.33809	50.26832	74.72118	660.322	93.18989	2.348601	0.657931	0.000357	0.004005	OK	30.58765	155.7921
hsa-miR-181c-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.399953	0.019998	0.379776	0.404782	0.34813	NaN	Low	0.017381	0.022615
hsa-miR-182-5p	3137.52	2329.069	2978.054	1962.75	10611.49	1326.034	2034.669	6674.614	7571.31	2886.282	2266.157	3499.074	2704.812	2949.51	1985.991	4028.235	13027.27	9159.417	10158.78	32342.58	6181.681	2.05753	0.662491	0.001898	0.012231	OK	2394.734	9968.628
hsa-miR-182-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-183-5p	434.0116	344.1528	611.9493	241.2898	946.3361	95.0838	178.8263	525.4761	594.3349	417.0057	204.5385	239.0486	233.1333	262.5889	187.2182	373.337	507.556	545.0144	794.4619	2030.56	488.2962	1.769227	0.56019	0.001587	0.010792	OK	221.5141	755.0782
hsa-miR-183-3p	0	0	0	0	0	0	0	1.186176	0	0	0	0	0	0	0.492679	0.594486	0	0	0	0.399953	0.133665	0.233059	1.084758	0.829885	NaN	Low	0.122892	0.144438
hsa-miR-187-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-187-3p	1.035827	0	0	0	0	0	0	1.186176	0	0	0	0	0.332572	0	1.970718	0.594486	0	1.322851	2.197682	2.799669	0.571999	1.879848	1.111263	0.090716	NaN	Low	0.244425	0.899573
hsa-miR-196a-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-199b-5p	177.1264	111.6987	249.5327	239.9925	132.2087	290.3911	47.82563	97.26646	182.0591	120.4093	127.7013	7.968287	46.89271	44.07876	23.15593	15.45663	7.148676	34.39411	61.53509	29.5965	102.3219	-1.06534	0.835714	0.202391	0.341124	OK	138.4732	66.17071
hsa-miR-199b-3p	75.61538	30.18884	72.78038	88.21347	66.10436	131.0615	33.27001	42.70235	103.3626	82.33871	53.0285	45.81765	51.54873	82.88315	101.492	58.2596	38.12627	54.23687	41.75595	36.3957	64.4591	-0.75664	0.432744	0.080383	0.18475	OK	80.98519	47.933
hsa-miR-203a-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-203a-3p	35.21812	15.09442	2.970628	24.64788	0	0	22.87313	28.46823	44.63385	45.15349	16.23321	12.94847	47.89043	77.23202	57.6435	236.6053	32.16904	66.14253	0	5.599338	38.57618	-2.86212	0.972552	0.003252	0.018528	OK	67.82411	9.32825
hsa-miR-204-5p	0	4.528326	29.70628	3.891771	0	0	7.277814	4.744705	39.93555	7.968262	60.604	2.988108	1.662862	15.06966	5.419474	362.0418	8.340122	35.71697	131.8609	120.3858	42.10712	1.369702	1.118872	NaN	NaN	Outlier	23.49615	60.71809
hsa-miR-204-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.594486	0	0	0	0	0.029724	-0.06276	0.452604	0.889716	NaN	Low	0.030371	0.029078
hsa-miR-205-5p	1.035827	0	0	128.4284	0	56.53631	1.039688	1.186176	0	0	0	1.992072	0	0.376742	0	0	0	2.645701	2.197682	0	9.771932	-0.83353	1.165987	NaN	NaN	Low	12.51886	7.024998
hsa-miR-205-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-210-5p	2.071654	7.547211	10.3972	0	0	2.569832	0	16.60647	8.222024	0	0	0	1.33029	4.520899	14.2877	12.4842	39.31772	19.84276	12.08725	4.799433	7.804232	0.074679	1.088492	0.945302	NaN	Low	7.602291	8.006173
hsa-miR-210-3p	3.107481	122.2648	154.4726	3.891771	264.4174	59.10615	53.02407	230.1182	119.8066	7.0829	12.98657	13.9445	24.94293	62.5391	165.5403	181.3181	816.1405	683.9137	281.3033	233.9724	174.6947	0.495975	1.006507	0.622176	0.736454	OK	144.9584	204.4309
hsa-miR-211-5p	0	0	0	0	0	0	0	2.372353	0	0	0	0	0	0	0	0	0	0	0	0	0.118618	-0.14934	0.664893	0.822287	NaN	Low	0.124751	0.112484
hsa-miR-211-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-212-5p	1.035827	0	0	0	0	0	1.039688	1.186176	0	1.770725	2.164428	0	0.665145	1.130225	7.390192	0	3.574338	0	3.296522	1.599811	1.242654	0.680735	1.078214	0.527809	NaN	Low	0.954802	1.530506
hsa-miR-212-3p	2.071654	3.018884	2.970628	5.189028	0	0	5.198438	3.558529	2.34915	1.770725	4.328857	1.992072	1.662862	1.130225	5.419474	8.3228	0	2.645701	9.889567	3.599575	3.255908	0.964123	0.720111	0.180618	NaN	Low	2.206739	4.305078
hsa-miR-181a-3p	6.214963	28.6794	19.30908	9.080798	13.91671	20.55866	5.198438	11.86176	44.63385	6.197537	18.39764	39.84144	6.318876	11.67899	10.34627	8.3228	11.91446	6.614253	35.16291	8.399007	16.13239	0.435013	0.677033	0.520529	0.65298	OK	13.71847	18.54632
hsa-miR-214-5p	5.179136	6.037769	10.3972	5.189028	6.958353	2.569832	2.079375	13.04794	7.04745	3.54145	0	7.968287	4.656014	7.534831	4.434115	3.566914	2.382892	3.968552	3.296522	2.799669	5.132766	-0.75603	0.66755	0.257404	NaN	Low	6.447703	3.81783
hsa-miR-214-3p	8.286617	4.528326	1.485314	0	3.479177	7.709497	5.198438	4.744705	2.34915	6.197537	6.493285	6.972252	3.325724	11.67899	22.17058	8.3228	3.574338	11.90566	2.197682	2.399716	6.150989	-1.36262	0.784098	0.082242	NaN	Low	8.857514	3.444464
hsa-miR-215-5p	1.035827	0	1.485314	0	0	2.569832	0	1.186176	2.34915	1.770725	0	0.996036	0.997717	0.376742	0.492679	0	8.340122	1.322851	1.098841	1.199858	1.261094	-0.05289	1.038579	0.959383	NaN	Low	1.284208	1.237979

hsa-miR-215-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-216a-5p	1.035827	0	0	0	0	0	0	0	2.34915	0	0	0	0.665145	0.753483	0	0	0	0	9.889567	2.799669	0.874642	3.105741	1.126824	0.005848	NaN	Low	0.182058	1.567226
hsa-miR-216a-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-217	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.593045	1.599811	0.409643	3.98137	1.670481	0.017155	NaN	Low	0.048782	0.770503
hsa-miR-218-5p	1.035827	3.018884	1.485314	5.189028	0	5.139665	3.119063	2.372353	3.523725	6.197537	2.164428	1.992072	3.990869	4.89764	7.882871	5.350372	3.574338	1.322851	53.8432	31.59627	7.384815	3.320751	0.519006	1.57E-10	NaN	Low	1.34369	13.42594
hsa-miR-218-1-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-218-2-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-219a-5p	1.035827	1.509442	0	0	0	0	0	0	0	0	0	0.996036	0	0	0.492679	0.594486	0	0	0	0	0.231424	-0.89105	1.145085	0.436481	NaN	Low	0.300702	0.162145
hsa-miR-219a-1-3p	0	0	0	0	0	0	0	0	0	0	1.082214	0	0	0.376742	0.492679	0	0	0	0	0.399953	0.117579	0.28372	1.081597	0.793078	NaN	Low	0.106055	0.129104
hsa-miR-221-5p	0	0	0	0	0	0	0	0	0	0.885362	3.246643	0	0	0.376742	0	0	1.191446	0	0	0	0.28501	-0.74363	1.110882	0.503236	NaN	Low	0.356879	0.21314
hsa-miR-221-3p	23.82402	12.07554	13.36782	19.45885	41.75012	46.25698	12.47625	20.165	36.41182	7.968262	2061.618	2.988108	17.95891	6.781348	8.375551	8.3228	8.340122	22.48846	143.9481	128.3848	132.1481	0.031233	1.135789	NaN	NaN	Outlier	130.7177	133.5784
hsa-miR-222-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-222-3p	2.071654	0	7.426569	7.783541	6.958353	5.139665	8.317501	2.372353	10.57117	6.197537	112.5503	2.988108	3.658297	0.376742	0.492679	1.188971	3.574338	2.645701	16.48261	13.19844	10.69973	0.396919	1.051465	NaN	NaN	Outlier	9.237069	12.16238
hsa-miR-223-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.399953	0.019998	0.379776	0.404782	0.34813	NaN	Low	0.017381	0.022615
hsa-miR-223-3p	0	0	0	0	17.39588	17.98883	0	3.558529	3.523725	3.54145	0	0.996036	0.665145	0.753483	1.970718	3.566914	1.191446	1.322851	0	1.999764	2.923739	-0.85233	1.115403	0.444782	NaN	Low	3.763121	2.084356
hsa-miR-224-5p	1.035827	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.399953	0.071789	0.272651	0.720017	0.704931	NaN	Low	0.065026	0.078552
hsa-miR-224-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-200b-5p	6.214963	3.018884	2.970628	1.297257	6.958353	0	3.119063	0	10.57117	6.197537	0	13.9445	10.97489	0	0	9.511772	21.44603	3.968552	13.18609	33.19608	7.328789	1.618661	1.010599	0.109225	NaN	Low	3.600575	11.057
hsa-miR-200b-3p	46.61222	108.6798	29.70628	27.24239	76.54189	17.98883	34.30969	0	56.3796	49.5803	7.5755	100.5996	66.51449	0	1.478038	74.31072	140.5906	71.43393	105.4887	207.9754	61.15041	1.315736	0.971971	0.175839	0.309602	OK	35.05031	87.2505
hsa-let-7g-5p	1470.875	1212.082	1544.726	1748.702	1412.546	765.8101	642.527	1336.821	1450.6	1150.086	1497.784	1101.616	1743.345	1658.793	1407.585	2124.098	1977.8	1984.276	2321.851	1758.592	1515.526	0.475121	0.330664	0.150755	0.277322	OK	1268.204	1762.847
hsa-let-7g-3p	0	3.018884	0	0	0	0	3.119063	1.186176	0	0.885362	1.082214	0	0.332572	1.506966	0.492679	1.783457	0	0	0	0.399953	0.690366	-0.96619	1.150694	0.401101	NaN	Low	0.913269	0.467463
hsa-let-7i-5p	2593.711	943.4013	1862.583	2231.282	1586.505	1320.894	1330.8	1227.693	2315.087	1283.776	886.3334	653.3996	1173.648	868.3893	895.6913	3051.495	2137.454	1844.054	5716.17	3826.348	1887.436	1.546356	0.455921	0.000695	0.006283	OK	962.7846	2812.087
hsa-let-7i-3p	0	3.018884	1.485314	2.594514	3.479177	0	6.238126	0	2.34915	7.0829	2.164428	2.988108	1.662862	2.260449	5.912153	2.972429	2.382892	3.968552	5.494204	6.399244	3.122669	0.951167	0.688742	0.167272	NaN	Low	2.129018	4.116321
hsa-miR-1-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0	0	0	0	0	0	0.018837	-0.04259	0.37733	0.910127	NaN	Low	0.019115	0.018559
hsa-miR-15b-5p	27.96733	52.83047	74.26569	68.75462	86.97942	74.52514	41.58751	74.72911	172.6625	44.26812	90.90599	65.73837	77.15681	77.60876	63.06297	78.47212	126.2933	136.2536	241.745	203.176	93.94914	1.431412	0.441683	0.001192	0.008836	OK	50.82307	137.0752
hsa-miR-15b-3p	0	0	0	0	0	0	1.039688	1.186176	2.34915	0	1.082214	0.996036	0.665145	1.130225	0.985359	1.188971	0	5.291402	7.691886	4.39948	1.400287	2.280864	0.864722	0.008347	NaN	Low	0.477939	2.322634
hsa-miR-23b-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-23b-3p	35.21812	61.88713	57.92724	38.91771	55.66683	107.933	69.65907	58.12264	27.01522	75.25581	84.41271	77.6908	41.57156	74.59483	32.02416	89.17286	45.27495	109.7966	149.4424	146.7827	71.91831	1.190591	0.417378	0.004337	0.022991	OK	43.81973	100.0169
hsa-miR-27b-5p	1.035827	6.037769	2.970628	2.594514	3.479177	10.27933	13.51594	7.117058	5.872875	2.656087	9.739928	0.996036	7.981739	7.534831	2.956077	14.86214	7.148676	7.937103	24.1745	19.99764	7.944394	1.642362	0.616499	0.007721	NaN	Low	3.85485	12.03394
hsa-miR-27b-3p	984.0358	1974.35	1638.301	1179.207	897.6276	1513.631	2053.383	566.9923	1511.678	943.7964	1287.835	1212.176	974.4373	942.6074	803.5602	1682.989	866.1813	1213.054	3115.214	2611.691	1398.637	1.183158	0.366911	0.001261	0.009212	OK	855.244	1942.031
hsa-miR-30b-5p	727.1507	1040.006	681.759	1321.905	741.0646	758.1006	931.5601	1144.66	683.6026	2004.461	2942.54	3436.324	3824.251	1666.328	1667.72	2228.727	1965.886	1084.737	720.8396	714.3156	1514.297	-1.08905	0.567221	0.054861	0.14235	OK	2060.169	968.4246
hsa-miR-30b-3p	0	0	0	2.594514	0	0	0	2.372353	2.34915	1.770725	0	1.992072	0.665145	0.753483	1.478038	1.188971	1.191446	0	2.197682	0.799905	0.967674	0.370118	0.954682	0.698247	NaN	Low	0.844224	1.091125
hsa-miR-122-5p	0	0	0	0	0	0	0	0	0	0	0	656.3877	0	38.0509	14.78038	94.52323	3.574338	157.4192	0	0.399953	48.25679	-0.49603	1.015531	NaN	NaN	Outlier	56.47185	40.04172
hsa-miR-122-3p	0	0	0	0	0	0	0	0	0	0	0	1.992072	0	0	0	0	0	0	0	0	0.099604	-0.13699	0.641188	0.830825	NaN	Low	0.104329	0.094878
hsa-miR-124-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-124-3p	0	1.509442	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.199858	0.135465	0.695442	0.844527	0.410241	NaN	Low	0.103433	0.167497
hsa-miR-125b-5p	81.83035	83.01932	148.5314	71.34913	73.06271	1834.86	40.54782	130.4794	1021.88	205.4041	1258.615	677.3044	116.4004	130.3526	156.1794	23.77943	83.40122	115.088	290.094	187.9778	336.5079	-0.42891	0.95208	0.652351	0.758512	OK	386.1642	286.8515
hsa-miR-125b-1-3p	0	0	0	3.891771	0	2.569832	2.079375	2.372353	3.523725	1.770725	2.164428	0	0.332572	0	2.463397	1.783457	0	0	5.494204	1.199858	1.482285	1.025084	1.003337	0.306935	NaN	Low	0.976769	1.987801
hsa-miR-128-1-5p	0	1.509442	0	0	0	0	0	0	0	0	0	0	0	0.376742	0	0	0	1.322851	1.098841	0.799905	0.255389	1.331514	1.190309	0.263299	NaN	Low	0.145245	0.365533
hsa-miR-128-3p	85.97365	40.75494	63.86849	51.89028	66.10436	30.83799	32.23032	59.30882	90.44227	61.09001	47.61743	25.89693	47.89043	27.87888	23.15593	68.96034	48.84929	78.04818	263.7218	189.1776	70.1849	2.036015	0.425424	1.7E-06	0.00012	OK	27.5175	112.8523
hsa-miR-130a-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-130a-3p	23.82402	7.547211	10.3972	18.1616	17.39588	12.84916	20.79375	17.79265	38.76097	23.01942	8.657714	12.94847	22.28235	21.85101	55.1801	7.133829	13.10591	54.23687	73.62234	57.59319	25.85768	1.493391	0.587889	0.011077	0.044762	OK	13.55402	38.16134
hsa-miR-132-5p	0	0	4.455941	0	0	10.27933	3.119063	5.930882	2.34915	0	3.246643	0.996036	2.66058	5.274382	5.419474	1.783457	0	0	8.790727	2.799669	2.855267	0.930899	0.956102	0.330235	NaN	Low	1.96477	3.745763
hsa-miR-132-3p	11.3941	9.056653	25.25033	15.56708	17.39588	5.139665	38.46844	18.97882	19.96777	12.39507	11.90436	9.960359	16.96119	25.99517	66.01905	32.10223	22.63747	19.84276	54.94204	24.79707	22.93878	0.819688	0.585941	0.161835	0.291717	OK	16.5921	29.28546
hsa-miR-133a-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.399953	0.019998	0.379776	0.404782	0.34813	NaN	Low	0.017381	0.022615
hsa-miR-133a-3p	1.035827	0	1.485314	0	0	0	1.039688	0	1.174575	0	0	0	0	0.376742	0.985359	0	1.191446	2.645701	0	4.799433	0.736704	1.604308	1.117033	0.150939	NaN	Low	0.36466	1.108748
hsa-miR-135a-5p	11.3941	34.71717	8.911883	32.43142	34.79177	43.68715	1.039688	32.02676	8.222024	15.93652	33.54864	72.71062	151.653	15.4464	213.8229	74.9052	14.29735	18.51991	36.26175	538.7363	69.65303	2.227607	0.912026	0.014587	0.054686	OK	24.51034	114.7957
hsa-miR-135a-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-137	0	0	0	0	0	0	0	0	0	2.656087	0	0	12.97033	0.376742	0	0	3.574338	0	1.098841	0.799905	1.073812	-0.12079	1.169637	0.917745	NaN	Low	1.11874	1.028884
hsa-miR-138-5p	0	1.509442	1.485314	0	0	0	1.039688	1.186176	16.44405	0.885362	1.082214	0	0.332572	0.376742	0.492679	1.783457	4.765784	6.614253	294.4893	23.99716	17.82421	5.05435	1.017213	6.74E-07	6.64E-05	OK	1.041483	34.60694
hsa-miR-138-2-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-140-5p	2.071654	4.528326	4.455941	6.486284	6.958353	2.569832	7.277814	5.930882	5.872875	8.853625	5.411071	4.98018	5.321159	7.911573	6.897512	3.566914	11.91446	0	7.691886	6.799197	5.774977	0.303729	0.52761	0.564838	NaN	Low	5.169312	6.380642
hsa-miR-140-3p	1.035827	0	2.970628	0	0	2.569832	0	0	0	0	0	0.996036	1.662862	0	0.985359	1.188971	3.574338	0	1.098841	2.399716	0.924121	0.848321	1.075923	0.430428	NaN	Low	0.659991	1.18825
hsa-miR-141-5p	92.18862	69.43434	78.72163	42.80948	93.93777	20.55866	131.0006	20.165	126.8541	78.79726	89.82378	88.6472	65.84934	128.4689	133.0235	233.6329	116.7617	55.55972	59.3374	80.3905	90.29812	-0.38544	0.560516	0.491673	0.628303	OK	102.2892	78.30706
hsa-miR-141-3p	243.4194	487.5498	188.6349	179.0215	198.3131	48.82682	336.8588	122.1762	303.0403	211.6016	174.2365	274.9059	159.6348	255.8075	276.8859	551.0883	275.224	117.7337	110.9829	104.3877	231.0165	-1.12695	0.520358	0.030332	0.095802	OK	316.9207	145.1123
hsa-miR-142-5p	175.0548	57.3588	105.4573	42.80948	104.3753	159.3296	82.13533	90.1494	119.8066	120.4093	48.69964	116.5362	48.223	20.34405	38.92168	686.631	41.70061	34.39411	42.85479	59.193	109.7192	-1.03728	0.780418	0.183804	0.320196	OK	147.5468	71.89156
hsa-miR-142-3p	26.93151	18.11331	13.36782	10.37806	24.35424	12.84916	6.238126	9.489411	11.74575	15.93652	5.411071	14.94054	3.990869	5.651124	7.882871	103.4405	8.340122	10.5828	1.098841	13.19844	16.19706	-1.03145	0.834121	0.216246	0.361388	OK	21.75243	10.64168
hsa-miR-143-5p	2.071654	1.509442	1.485314	1.297257	0	0	1.039688	0	1.174575	0	0	0.996036	0.332572	0.753483	0.492679	0.594486	1.191446	0	1.098841	0.399953	0.721871	-0.1108	1.032082	0.914509	NaN	Low	0.749577	0.694166
hsa-miR-143-3p	2951.072	2590.203	3787.55	3634.914	814.1273	3805.922	4121.322	2097.16	3623.564	2022.168	2338.665	1546.844	3636.347	2450.327	2685.103	2394.589	3712.546	2404.942	3627.274	2615.291	2842.996	0.145864	0.396914	0.713249	0.809279	OK	2699.398	2986.595
hsa-miR-144-5p	37.28978	0	0	15.56708	0	7.709497	5.198438	0	0	0	0	1.992072	10.97489	1.506966	2.463397	4.1614	4.765784	17.19706	13.18609	3.199622	6.260604	0.283037	1.114809	0.799581	NaN	Low	5.648443	6.872765
hsa-miR-144-3p	221.667	0	5.941255	53.18753	0	17.98883	20.79375	3.558529	5.872875	5.312175	7.5755	11.95243	46.56014	6.404607	6.897512	8.3228	9.531568	23.81131	42.85479	3.599575	25.09161	-0.10395	1.038214	NaN	NaN	Outlier	25.9952	24.18802
hsa-miR-145-5p	110.8335	202.2652	92.08945	163.4544	327.0426	819.7766	228.7313	405.6723	225.5184	284.2014	195.8808	94.62341	183.58	260.3284	275.9005	97.49566	610.0204	481.5176	193.396	378.7552	281.5542	0.027715	0.617528	0.964202	0.974224	OK	278.8498	284.2585
hsa-miR-145-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0	0.594486	0	0	0	0.399953	0.068559	0.380546	0.903475	0.673607	NaN	Low	0.059569	0.077549
hsa-miR-152-5p	0	0	1.485314	1.297257	0	2.569832	1.039688	0	2.34915	0	0	0	0.332572	0.376742	1.478038	1.783457	1.191446	0	0	1.599811	0.775165	0.257397	1.067219	0.809412	NaN	Low	0.706198	0.844133
hsa-miR-152-3p	1.035827	0	0	2.594514	0	2.569832	3.119063	1.186176	1.174575	0	0	0	0	3.013933	1.970718	0.594486	1.191446	1.322851	0	1.199858	1.048664	-0.44741	1.079252	0.678467	NaN	Low	1.20998	0.887348
hsa-miR-153-3p	8.286617	18.11331	11.88251	6.486284	27.83341	0	2.079375	36.77147	0	80.56799	14.06878	0	19.62177	13.5627	3.448756	32.69672	117.9532	33.07126	99.99451	306.7637	41.66012	2.463768	1.012835	0.014993	0.05564	OK	12.78593	70.5343
hsa-miR-153-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-191-5p	3928.892	5319.274	4953.521	4430.132	13224.35	6473.408	5290.971	9807.306	12870.99	4946.52	8041.934	5132.573	9326.662	11562.2	8697.27	16799.57	25785.28	19056.99	22391.08	25567.78	11180.33	1.222775	0.559871	0.02896	0.092409	OK	6706.957	15653.71
hsa-miR-191-3p	0	1.509442	1.485314	0	0	0	0	1.186176	0	0	0	0	0	0	0.985359	0.594486	2.382892	0	1.098841	1.199858	0.522118	0.912791	1.156456	0.429937	NaN	Low	0.362245	0.681992
hsa-miR-9-5p	4.143309	58.86824	14.85314	60.97107	59.146	43.68715	72.77814	99.63881	17.61862	13.28044	5.411071	4.98018	5166.513	5.651124	67.49709	5.944857	8.340122	59.52828	401.0769	1806.986	398.8457	1.158541	1.164394	NaN	NaN	Outlier	246.7864	550.905
hsa-miR-9-3p	0	0	0	0	0	5.139665	1.039688	1.186176	0	0	0	0	24.27779	0	0	0	0	1.322851	1.098841	11.19868	2.263184	0.818387	1.176718	NaN	NaN	Low	1.637951	2.888417
hsa-miR-125a-5p	246.5269	473.9648	372.8138	171.2379	873.2734	449.7207	389.8829	326.1985	152.6947	216.0284	418.8169	84.66305	334.2353	332.2861	559.1912	278.8138	670.7841	519.8803	1091.149	635.9249	429.9043	1.117825	0.53671	0.037276	0.108418	OK	271.2163	588.5923
hsa-miR-125a-3p	0	0	0	0	3.479177	0	2.079375	0	0	1.770725	0	0	0.332572	0.376742	1.478038	1.188971	1.191446	0	1.098841	1.599811	0.729785	0.853529	1.05631	0.419074	NaN	Low	0.519991	0.939579
hsa-miR-125b-2-3p	0	0	0	1.297257	0	28.26816	0	0	56.3796	2.656087	42.20635	3.984144	0.332572	1.130225	1.970718	0	0	1.322851	2.197682	1.599811	7.167273	-0.94561	1.189409	0.426597	NaN	Low	9.435536	4.89901
hsa-miR-126-5p	1181.879	1376.611	2985.481	4190.14	1816.13	1392.849	2236.368	876.5843	1879.32	2019.512	1019.446	852.6068	1927.257	1680.644	852.3355	1006.464	661.2526	1010.658	1727.378	900.6936	1579.68	-0.27812	0.517361	0.590865	0.711011	OK	1731.477	1427.884
hsa-miR-126-3p	89.08114	131.3215	83.17757	225.7227	368.7927	236.4246	188.1835	175.5541	194.9794	266.4941	126.6191	134.4649	229.475	291.598	135.4869	127.2199	128.6762	236.7902	308.7743	160.381	191.9608	0.314862	0.437191	0.471406	0.615637	OK	171.0962	212.8254
hsa-miR-127-5p	0	0	0	1.297257	0	0	0	0	0	0	0	0	0.997717	0	0.985359	0.594486	0	0	25.27334	0.399953	1.477406	3.840474	1.157401	0.000906	NaN	Low	0.192809	2.762003
hsa-miR-127-3p	214.4162	33.20773	54.95661	155.6708	41.75012	110.5028	33.27001	55.75029	116.2829	30.10232	57.35735	75.69873	43.23442	119.4271	130.5601	119.4916	35.74338	227.5303	13731.11	19.19773	770.2633	5.463114	0.843191	NaN	NaN	Outlier	34.14859	1506.378
hsa-miR-129-2-3p	0	1.509442	0	0	0	2.569832	0	0	0	0.885362	0	0	0	0	0.492679	1.188971	0	1.322851	1.098841	2.399716	0.573385	1.549279	1.133738	0.171775	NaN	Low	0.292043	0.854726
hsa-miR-134-5p	3.107481	1.509442	0	0	0	0	1.039688	0	2.34915	0.885362	0	0	0.665145	0	1.478038	0	1.191446	2.645701	216.4716	0	11.56715	5.334852	1.317801	5.16E-05	0.001017	OK	0.559341	22.57497
hsa-miR-134-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-136-5p	2.071654	0	0	5.189028	0	0	0	0	0	0	0	0	0.332572	1.130225	0	0	0	0	74.72118	0	4.172233	3.816845	1.629697	0.019178	NaN	Low	0.552892	7.791573
hsa-miR-136-3p	21.75237	4.528326	0	18.1616	13.91671	15.41899	2.079375	0	4.6983	8.853625	16.23321	9.960359	6.651449	36.16719	18.72182	13.67317	16.68024	19.84276	1475.743	2.799669	85.29412	4.946491	0.939161	NaN	NaN	Outlier	5.358533	165.2297
hsa-miR-138-1-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-146a-5p	4.143309	13.58498	14.85314	9.080798	24.35424	51.39665	9.357189	47.44705	38.76097	10.62435	12.98657	12.94847	15.96348	9.041798	17.73646	16.6456	34.55194	17.19706	12.08725	31.99622	20.23788	0.180228	0.630741	0.775077	0.851979	OK	18.97541	21.50034
hsa-miR-146a-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-149-5p	23.82402	34.71717	510.9479	106.3751	17.39588	46.25698	779.7657	170.8094	86.91854	14.1658	23.80871	73.70666	39.24355	67.81348	68.48244	12.4842	35.74338	174.6163	340.6407	703.9168	166.5816	1.679017	0.939439	0.073896	0.172658	OK	79.285	253.8783
hsa-miR-149-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-150-5p	47.64805	70.94378	237.6502	20.75611	76.54189	48.82682	34.30969	329.757	120.9812	54.89247	9.739928	29.88108	9.312028	10.17202	6.897512	83.228	11.91446	9.259954	5.494204	47.99433	63.31004	-1.05688	0.931294	0.256436	0.402621	OK	85.51544	41.10463
hsa-miR-150-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-154-5p	0	0	1.485314	0	0	0	0	0	0	0	0	0.996036	0.332572	1.130225	0.492679	0.594486	0	1.322851	27.47102	0	1.691259	3.717721	1.121105	0.000913	NaN	Low	0.238935	3.143583
hsa-miR-154-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.492679	0	0	0	4.395363	0	0.244402	1.999258	1.67777	0.233412	NaN	Low	0.097801	0.391003
hsa-miR-184	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.191446	0	0	0.799905	0.099568	0.522155	0.787951	0.507539	NaN	Low	0.081743	0.117392
hsa-miR-185-5p	1.035827	0	0	0	0	2.569832	4.158751	2.372353	1.174575	1.770725	3.246643	6.972252	7.649166	1.883708	12.80967	5.350372	7.148676	3.968552	13.18609	6.799197	4.104819	1.205575	0.838385	0.150442	NaN	Low	2.483035	5.726603
hsa-miR-185-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-186-5p	2522.239	1701.141	952.0861	862.6758	2581.549	835.1955	893.0917	818.4617	777.5686	1518.397	1457.743	1000.02	1680.156	1721.709	1013.934	2138.96	1774.063	2111.269	1538.377	1918.973	1490.881	0.231487	0.435271	0.594849	0.713653	OK	1371.527	1610.234
hsa-miR-186-3p	1.035827	0	0	0	0	0	0	0	0	0	0	0	0.332572	0	0	0	0	1.322851	0	0	0.134563	-0.46719	0.996244	0.639106	NaN	Low	0.156162	0.112963
hsa-miR-188-5p	0	0	0	0	0	0	0	0	0	0	0	0.996036	0.332572	0.376742	0	0	0	2.645701	0	0	0.217553	-0.72668	1.10617	0.511226	NaN	Low	0.271213	0.163892
hsa-miR-188-3p	1.035827	0	4.455941	0	0	0	2.079375	0	0	1.770725	1.082214	0	0	0.376742	0	1.188971	3.574338	0	0	1.999764	0.878195	0.238212	1.155738	0.836703	NaN	Low	0.805857	0.950533
hsa-miR-190a-5p	3.107481	1.509442	0	1.297257	0	2.569832	1.039688	1.186176	0	1.770725	1.082214	4.98018	1.662862	1.506966	1.478038	2.377943	1.191446	1.322851	0	1.199858	1.464148	-0.85198	0.9131	0.350788	NaN	Low	1.884331	1.043965
hsa-miR-190a-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.191446	0	0	0	0.059572	-0.10403	0.568974	0.854923	NaN	Low	0.061719	0.057425
hsa-miR-193a-5p	1.035827	0	0	1.297257	6.958353	5.139665	3.119063	9.489411	0	0.885362	0	10.9564	1.995435	1.506966	2.463397	1.188971	0	5.291402	0	0	2.566375	-2.74706	1.144367	0.016372	NaN	Low	4.467325	0.665426
hsa-miR-193a-3p	42.46891	6.037769	51.98598	22.05337	48.70847	38.54749	41.58751	22.53735	14.0949	36.29986	46.53521	113.5481	49.55329	28.63236	22.66326	10.10626	4.765784	39.68552	5.494204	0.799905	32.30527	-3.15914	0.768993	3.99E-05	0.000836	OK	58.10591	6.504639
hsa-miR-194-5p	42.46891	22.64163	2.970628	20.75611	27.83341	17.98883	32.23032	33.21294	23.4915	14.1658	31.38421	133.4688	56.86989	47.84618	78.82871	93.92875	77.44399	76.72533	23.07566	41.59508	44.94633	-0.47172	0.70266	0.502008	0.637039	OK	52.22964	37.66303
hsa-miR-195-5p	162.6249	90.56653	43.0741	71.34913	86.97942	69.38548	170.5088	68.79823	81.04567	228.4235	133.1123	119.5243	267.7208	171.4174	142.3844	125.4365	106.0387	117.7337	15.38377	122.7855	119.7147	-0.79887	0.557305	0.151729	0.278593	OK	152.038	87.39133
hsa-miR-195-3p	26.93151	7.547211	8.911883	15.56708	3.479177	5.139665	3.119063	5.930882	8.222024	5.312175	6.493285	0.996036	9.977173	5.651124	6.404833	8.3228	3.574338	6.614253	0	3.599575	7.089704	-1.61863	0.761469	0.033531	NaN	Low	10.69624	3.483165
hsa-miR-206	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-320a	213.3804	49.81159	38.61816	83.02444	167.0005	64.24581	198.5803	552.7582	133.9015	80.56799	80.08385	125.5005	79.81739	93.05517	71.43852	180.7237	77.44399	195.7819	163.7273	193.1772	142.1319	0.341691	0.642671	0.594952	0.713653	OK	125.3787	158.8851
hsa-miR-200c-5p	0	0	0	0	0	0	0	0	0	0.885362	0	0.996036	0.665145	0.376742	0.985359	1.188971	0	1.322851	1.098841	1.999764	0.475954	1.408411	1.058722	0.183421	NaN	Low	0.260479	0.691428
hsa-miR-200c-3p	196.8072	227.9258	96.5454	70.05187	438.3763	174.7486	448.1054	596.6467	310.0878	337.3231	413.4058	1035.877	249.4293	899.6589	1337.625	2105.074	1223.615	1497.467	732.9268	691.1183	654.1408	0.119184	0.784906	0.879309	0.922355	OK	627.1362	681.1453
hsa-miR-1-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-155-5p	19.68072	18.11331	28.22096	24.64788	45.2293	33.40782	15.59531	43.88853	38.76097	8.853625	9.739928	15.93657	7.316594	15.06966	92.13106	15.45663	22.63747	15.87421	5.494204	8.399007	24.22269	-1.69753	0.685112	0.013222	0.051274	OK	37.02888	11.4165
hsa-miR-155-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-181b-2-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-128-2-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-194-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0	0	0	0	1.098841	0	0.073779	0.806596	0.763742	0.290918	NaN	Low	0.053676	0.093883
hsa-miR-106b-5p	60.07798	18.11331	62.38318	15.56708	55.66683	12.84916	84.2147	39.14382	70.4745	65.51682	46.53521	74.7027	61.85847	36.54393	107.4041	106.4129	51.23218	64.81968	146.1458	110.7869	64.52247	1.090233	0.525185	0.037903	0.108876	OK	41.24048	87.80446
hsa-miR-106b-3p	3.107481	6.037769	19.30908	3.891771	13.91671	0	7.277814	0	9.396599	12.39507	4.328857	2.988108	2.993152	2.637191	9.36091	5.350372	0	10.5828	15.38377	9.598866	6.927816	0.890117	0.76788	0.24638	NaN	Low	4.855957	8.999675
hsa-miR-29c-5p	0	1.509442	1.485314	0	0	0	1.039688	0	0	2.656087	3.246643	0	0.665145	1.883708	1.970718	0	2.382892	1.322851	0	1.999764	1.008113	0.092114	1.047837	0.929949	NaN	Low	0.97594	1.040285
hsa-miR-29c-3p	113.941	273.209	81.69226	459.2289	38.27094	53.96648	709.067	45.0747	71.64907	289.5135	284.6223	279.8861	295.6569	167.65	138.4429	99.27912	193.0143	44.97692	26.37218	60.79282	186.3153	-1.94448	0.75402	0.009914	0.042214	OK	295.7838	76.84687
hsa-miR-30c-1-3p	2.071654	0	0	0	0	0	9.357189	0	8.222024	4.426812	2.164428	2.988108	2.66058	1.506966	7.882871	2.377943	7.148676	3.968552	4.395363	5.199386	3.218528	0.491335	0.880474	0.57682	NaN	Low	2.675701	3.761354
hsa-miR-200a-5p	11.3941	18.11331	10.3972	11.67531	20.87506	10.27933	7.277814	0	16.44405	15.93652	0	12.94847	15.6309	0	1.970718	23.18494	30.9776	11.90566	47.25016	104.7876	18.55244	2.264213	0.880776	0.010149	0.042403	OK	6.393066	30.71181
hsa-miR-200a-3p	147.0875	321.5112	124.7664	101.186	114.8128	53.96648	38.46844	0	125.6795	169.9896	12.98657	77.6908	166.6188	0.376742	3.448756	202.1251	175.1426	83.33959	179.1111	464.7451	128.1527	1.281759	0.973061	0.187757	0.323223	OK	74.69513	181.6102
hsa-miR-302a-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-302a-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-219a-2-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-34b-5p	0	0	0	0	0	0	0	0	0	0	0	0.996036	0	0	0	0	0	0	0	0.399953	0.069799	0.276848	0.715865	0.698954	NaN	Low	0.063123	0.076476
hsa-miR-34b-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-34c-5p	3.107481	9.056653	10.3972	1.297257	10.43753	56.53631	14.55563	15.42029	18.7932	7.0829	1.082214	162.3539	14.63319	1.883708	5.912153	12.4842	20.25458	6.614253	51.64552	70.79163	24.71699	1.276146	0.957567	NaN	NaN	Outlier	14.44631	34.98767
hsa-miR-34c-3p	0	0	0	0	0	0	0	0	0	0	0	0.996036	0	0	0	0	0	0	0	0.399953	0.069799	0.276848	0.715865	0.698954	NaN	Low	0.063123	0.076476
hsa-miR-299-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	1.478038	0	0	0	23.07566	0	1.246522	3.418572	1.695029	0.043714	NaN	Low	0.213211	2.279832
hsa-miR-299-3p	0	1.509442	0	0	0	0	3.119063	0	0	0.885362	0	0	0.332572	0.753483	0	1.188971	0	2.645701	59.3374	0	3.4886	4.028602	1.40581	0.004161	NaN	Low	0.402832	6.574368
hsa-miR-301a-5p	0	0	0	0	0	0	0	0	1.174575	0	0	0	0.332572	0	0.492679	0	1.191446	0	3.296522	2.799669	0.464373	2.754559	1.140145	0.015693	NaN	Low	0.119862	0.808884
hsa-miR-301a-3p	370.8261	138.8687	204.9733	133.6175	379.2303	128.4916	72.77814	83.03235	218.4709	108.8996	248.9093	40.83747	262.0671	139.3944	237.4715	480.939	667.2098	328.0669	809.8457	3236.817	414.5374	2.851591	0.66915	2.03E-05	0.000607	OK	100.8857	728.189
hsa-miR-99b-5p	475.4447	1026.421	1057.543	298.3691	1064.628	449.7207	479.296	355.8529	313.6115	333.7817	762.961	89.64323	349.8662	285.9469	412.3727	386.4157	349.0937	691.8508	1207.626	505.5403	544.7993	0.703283	0.573799	0.220327	0.366273	OK	414.5789	675.0196
hsa-miR-99b-3p	2.071654	0	8.911883	0	0	0	0	4.744705	1.174575	0.885362	1.082214	0.996036	2.66058	0.753483	0.985359	4.1614	3.574338	13.22851	12.08725	4.799433	3.105839	1.407583	0.937836	0.133385	NaN	Low	1.700467	4.511211
hsa-miR-296-5p	0	0	1.485314	0	0	0	0	0	0	0	0	0	0.332572	0.376742	0	0	0	1.322851	1.098841	0	0.230816	0.56881	1.172678	0.62764	NaN	Low	0.185895	0.275737
hsa-miR-296-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-130b-5p	2.071654	1.509442	8.911883	2.594514	0	5.139665	3.119063	3.558529	3.523725	0	4.328857	0	2.328007	0.376742	0.985359	0	8.340122	0	6.593045	15.1982	3.428941	1.792384	0.913812	0.049828	NaN	Low	1.536309	5.321572
hsa-miR-130b-3p	4.143309	12.07554	7.426569	1.297257	6.958353	20.55866	31.19063	30.84059	16.44405	9.738987	10.82214	17.92865	15.96348	6.027865	4.926795	4.755886	63.14664	14.55136	87.90727	105.9875	23.63457	2.384707	0.738711	0.001246	0.009166	OK	7.596638	39.67251
hsa-miR-30e-5p	45.57639	52.83047	22.27971	19.45885	31.31259	7.709497	56.14313	24.9097	37.5864	59.31929	47.61743	43.82558	54.20931	49.72989	41.87775	53.50372	69.10387	64.81968	15.38377	34.79589	41.59965	-0.74455	0.465944	0.110059	0.227025	OK	52.10194	31.09735
hsa-miR-30e-3p	68.36459	57.3588	93.57477	45.40399	59.146	28.26816	149.715	36.77147	130.3778	103.5874	50.86407	54.78198	66.18192	81.37618	60.59957	66.5824	202.5458	59.52828	110.9829	115.5863	82.07988	0.49837	0.503917	0.322668	0.471334	OK	68.04222	96.11753
hsa-miR-26a-2-3p	0	0	0	1.297257	0	0	1.039688	0	0	1.770725	0	1.992072	0.997717	1.130225	0.985359	0.594486	0	0	2.197682	1.599811	0.680251	1.176261	0.986254	0.233004	NaN	Low	0.417344	0.943158
hsa-miR-361-5p	84.93783	57.3588	69.80975	63.56559	34.79177	33.40782	28.07157	105.5697	42.2847	73.48509	42.20635	35.85729	64.18648	39.55787	116.765	59.44857	53.61507	142.8679	162.6284	93.18899	70.18023	0.949455	0.482074	0.048893	0.130647	OK	47.88592	92.47454
hsa-miR-361-3p	7.25079	12.07554	2.970628	7.783541	17.39588	5.139665	4.158751	9.489411	17.61862	9.738987	6.493285	3.984144	11.64004	5.274382	12.31699	16.05111	23.82892	31.74841	20.87798	11.19868	11.85179	0.446413	0.611791	0.465584	0.609649	OK	10.03263	13.67095
hsa-miR-362-5p	15.53741	3.018884	0	6.486284	0	7.709497	25.99219	10.67559	5.872875	15.93652	14.06878	4.98018	2.66058	7.15809	2.956077	1.783457	3.574338	18.51991	5.494204	13.59839	8.301163	0.211272	0.8052	0.793025	NaN	Low	7.694425	8.907901
hsa-miR-362-3p	1.035827	0	0	0	0	2.569832	3.119063	0	0	2.656087	1.082214	0	0	0.753483	0	0	0	0	1.098841	1.199858	0.67576	0.581905	1.171462	0.619377	NaN	Low	0.541296	0.810225
hsa-miR-363-5p	0	1.509442	0	0	0	0	0	0	0	0	0	1.992072	0	0.376742	0	1.188971	0	0	0	0	0.253361	-0.75538	1.114151	0.49778	NaN	Low	0.318215	0.188508
hsa-miR-363-3p	275.53	181.1331	323.7984	398.2579	52.18765	102.7933	175.7072	161.32	165.6151	125.7215	77.91942	99.60359	84.14083	124.7015	125.1406	236.6053	9.531568	313.5156	30.76754	3.199622	153.3595	-2.9675	0.72519	4.28E-05	0.00086	OK	271.9507	34.76829

hsa-miR-365a-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.188971	0	0	0	0.399953	0.079446	0.205864	0.718565	0.7745	NaN	Low	0.073788	0.085105
hsa-miR-365a-3p	8.286617	4.528326	13.36782	20.75611	38.27094	20.55866	2.079375	15.42029	3.523725	14.1658	28.13757	32.86919	8.979456	12.43247	8.375551	31.50774	4.765784	15.87421	0	9.998818	14.69492	-1.32584	0.772857	0.086253	0.193285	OK	21.00899	8.380853
hsa-miR-365b-5p	0	0	0	0	0	0	1.039688	0	0	0	0	0	0	0	0	0	0	1.322851	0	0	0.118127	-0.28244	0.849495	0.739529	NaN	Low	0.129653	0.106601
hsa-miR-365b-3p	7.25079	7.547211	11.88251	5.189028	34.79177	23.12849	2.079375	11.86176	7.04745	8.853625	24.89093	34.86126	11.97261	13.5627	7.390192	39.83054	3.574338	31.74841	2.197682	5.999291	14.783	-1.63968	0.76834	0.032839	0.101184	OK	22.38274	7.183257
hsa-miR-302b-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-302b-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.322851	0	0	0.066143	-0.11096	0.585315	0.849637	NaN	Low	0.068685	0.0636
hsa-miR-302c-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-302c-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-302d-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-302d-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-367-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-367-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-376c-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-376c-3p	1.035827	0	0	1.297257	0	0	1.039688	0	0	3.54145	1.082214	3.984144	1.662862	2.637191	5.419474	0.594486	2.382892	6.614253	313.1696	0.799905	17.26306	5.238549	0.999544	1.6E-07	2.63E-05	OK	0.89091	33.63522
hsa-miR-369-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.322851	8.790727	0	0.505679	2.412279	1.712354	0.158909	NaN	Low	0.159945	0.851412
hsa-miR-369-3p	4.143309	0	0	2.594514	0	0	0	0	0	0.885362	0	0	0	1.506966	0.985359	0	0	5.291402	154.9366	0	8.517173	4.350125	1.537963	0.004677	NaN	Low	0.796194	16.23815
hsa-miR-370-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.197682	0	0.109884	1.425345	1.429597	0.318752	NaN	Low	0.059626	0.160142
hsa-miR-370-3p	0	0	0	1.297257	0	0	0	0	0	0	0	0	0	0	0.985359	1.188971	0	0	99.99451	0	5.173305	5.004649	1.588328	0.001628	NaN	Low	0.312555	10.03405
hsa-miR-371a-5p	0	0	0	6.486284	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.324314	-0.21221	0.766097	0.781782	NaN	Low	0.348123	0.300505
hsa-miR-371a-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-372-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-372-3p	0	3.018884	0	6.486284	0	0	1.039688	0	0	0	0	0	0	0	0	0	0	0	0	0	0.527243	-0.55689	1.043775	0.593662	NaN	Low	0.627758	0.426728
hsa-miR-373-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-373-3p	0	0	0	33.72868	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.686434	-0.0383	0.360302	NaN	NaN	Low	1.708817	1.664051
hsa-miR-374a-5p	12.42993	13.58498	14.85314	7.783541	24.35424	51.39665	16.635	13.04794	18.7932	14.1658	18.39764	15.93657	29.26638	9.795281	15.76574	19.02354	36.93483	42.33122	30.76754	23.99716	21.46302	0.401184	0.508475	0.430115	0.576998	OK	18.49789	24.42815
hsa-miR-374a-3p	21.75237	30.18884	23.76502	24.64788	34.79177	79.66481	20.79375	8.303235	31.71352	38.95595	58.43957	35.85729	66.18192	32.77652	49.76063	45.7754	85.78412	39.68552	132.9597	92.78903	47.72934	1.406217	0.513447	0.006167	0.030102	OK	26.15011	69.30858
hsa-miR-375	8464.78	12320.07	3943.508	10957.93	9619.924	6098.212	15692.01	23340.39	2744.982	6002.758	5819.066	980.0994	8554.761	7413.521	6917.22	7542.24	11994.29	9790.417	90597.23	35999.35	14239.64	2.65453	0.615241	0.000016	0.000493	OK	3903.189	24576.09
hsa-miR-376a-5p	1.035827	0	0	1.297257	0	0	1.039688	0	0	0	1.082214	0	0	0.376742	0	0	0	0	21.97682	0	1.340427	3.4868	1.514816	0.021347	NaN	Low	0.21955	2.461304
hsa-miR-376a-3p	1.035827	0	0	0	3.479177	0	0	0	0	0	0	0	0	0.376742	0	0	0	0	23.07566	0	1.39837	3.438784	1.643913	0.036454	NaN	Low	0.236138	2.560603
hsa-miR-377-5p	1.035827	0	0	0	0	0	1.039688	0	0	0.885362	0	0	0.332572	0.753483	0.492679	0.594486	0	0	73.62234	0.399953	3.957819	5.24112	1.052012	6.29E-07	NaN	Low	0.2039	7.711738
hsa-miR-377-3p	0	0	0	0	0	0	0	0	0	0	1.082214	0	0	2.260449	1.478038	0	0	2.645701	43.95363	0	2.571002	3.39655	1.624745	0.036572	NaN	Low	0.445935	4.696069
hsa-miR-378a-5p	2.071654	4.528326	5.941255	2.594514	6.958353	10.27933	3.119063	67.61205	10.57117	12.39507	6.493285	32.86919	13.96804	3.390674	12.80967	0.594486	22.63747	9.259954	1.098841	0.799905	11.49962	-2.82284	0.962556	0.003361	0.018936	OK	20.15123	2.848005
hsa-miR-378a-3p	457.8356	353.2095	395.0935	237.398	1273.379	395.7542	226.6519	3923.871	1699.61	928.7452	567.0803	1838.682	1087.844	278.7888	698.1268	270.491	2361.446	1322.851	196.6925	52.39381	928.2972	-2.62607	0.78005	0.000761	0.00655	OK	1597.779	258.8155
hsa-miR-379-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.492679	0	0	0	60.43625	0	3.046446	5.258381	1.645093	0.001392	NaN	Low	0.155129	5.937764
hsa-miR-379-3p	1.035827	0	0	0	0	0	0	0	0	0	0	0.996036	0	0	0	0	0	0	6.593045	0	0.431245	2.121672	1.721722	0.217838	NaN	Low	0.161154	0.701337
hsa-miR-380-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-380-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.197682	0	0.109884	1.425345	1.429597	0.318752	NaN	Low	0.059626	0.160142
hsa-miR-381-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-381-3p	36.25395	9.056653	1.485314	25.94514	6.958353	17.98883	8.317501	2.372353	11.74575	12.39507	18.39764	32.86919	19.2892	44.45551	30.05345	34.48017	15.4888	52.91402	2924.015	2.799669	165.3641	5.240702	0.899908	NaN	NaN	Outlier	8.521691	322.2065
hsa-miR-382-5p	2.071654	0	0	3.891771	0	0	0	1.186176	0	0.885362	1.082214	0.996036	0.332572	2.260449	1.970718	1.188971	0	0	315.3673	0	16.56166	5.784385	1.25286	3.89E-06	0.000192	OK	0.590271	32.53305
hsa-miR-382-3p	0	0	0	0	0	0	1.039688	0	0	0	0	0	0	0	0.492679	0	1.191446	0	8.790727	0	0.575727	2.529335	1.680576	0.132314	NaN	Low	0.170005	0.981449
hsa-miR-383-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-383-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-340-5p	152.2666	80.00043	175.267	95.99701	160.0421	74.52514	283.8347	55.75029	137.4253	216.0284	231.5938	89.64323	261.4019	198.1661	87.20426	193.2079	366.9654	215.6246	687.8744	489.5421	212.618	1.696353	0.51517	0.000992	0.008017	OK	100.2724	324.9637
hsa-miR-340-3p	1.035827	0	5.941255	1.297257	3.479177	0	0	0	2.34915	0.885362	0	0	0.332572	1.506966	0.492679	0.594486	3.574338	1.322851	5.494204	0.799905	1.455302	1.063509	0.976337	0.276028	NaN	Low	0.94194	1.968663
hsa-miR-330-5p	0	0	0	1.297257	0	0	0	0	0	0	0	0	0	0	0	0.594486	0	1.322851	0	2.399716	0.280715	1.302818	1.148551	0.256663	NaN	Low	0.161931	0.3995
hsa-miR-330-3p	0	0	0	0	0	0	0	0	0	0	0	0	0.332572	0	0	0	4.765784	1.322851	0	2.399716	0.441046	0.7034	1.112004	0.527027	NaN	Low	0.335609	0.546484
hsa-miR-328-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-328-3p	5.179136	9.056653	2.970628	18.1616	0	12.84916	12.47625	29.65441	22.31692	14.1658	6.493285	3.984144	3.325724	10.17202	3.448756	27.94083	36.93483	19.84276	17.58145	28.39664	14.24755	0.707469	0.742879	0.340928	0.490021	OK	10.82255	17.67255
hsa-miR-342-5p	1.035827	0	0	2.594514	0	0	1.039688	0	0	0.885362	0	0	0	1.130225	1.478038	2.377943	0	1.322851	0	1.999764	0.693211	0.439302	1.124716	0.696101	NaN	Low	0.588477	0.797944
hsa-miR-342-3p	90.11696	31.69828	86.1482	68.75462	13.91671	74.52514	46.78594	192.1606	71.64907	84.10944	55.19293	71.71459	85.13855	164.2593	184.7548	192.6134	95.31568	137.5765	110.9829	137.5837	99.74986	0.32772	0.572455	0.566995	0.69276	OK	88.46882	111.0309
hsa-miR-337-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0	0	1.191446	0	10.98841	0	0.62783	2.942084	1.704043	0.084252	NaN	Low	0.144575	1.111085
hsa-miR-337-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0.753483	0	0	0	0	12.08725	0	0.642037	2.875444	1.720528	0.094671	NaN	Low	0.153997	1.130076
hsa-miR-323a-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-323a-3p	0	0	0	0	0	0	0	0	0	0	1.082214	0	0	0.753483	0.492679	0	0	2.645701	495.5772	0	25.02756	6.726547	1.521432	9.82E-06	0.000334	OK	0.468246	49.58688
hsa-miR-326	0	0	2.970628	0	0	0	1.039688	1.186176	0	0	0	0	0	0	0.985359	0	0	0	0	0.799905	0.349088	0.169216	1.167027	0.884713	NaN	Low	0.328639	0.369537
hsa-miR-151a-5p	844.1991	760.7588	1053.087	647.3312	685.3978	614.19	706.9876	556.3167	784.616	763.1825	1331.123	1432.3	1276.413	732.7624	792.2286	1431.522	619.5519	986.8465	1336.19	473.944	891.4474	0.020766	0.385218	0.95701	0.971794	OK	885.032	897.8629
hsa-miR-151a-3p	577.9916	390.9455	516.8892	334.6923	532.314	418.8827	338.9382	272.8206	362.9436	420.5472	584.3957	473.1171	516.8176	318.7234	366.0608	678.9027	394.3686	542.3687	509.8621	221.5738	438.6578	-0.28885	0.320434	0.36736	0.513783	OK	482.4245	394.891
hsa-miR-135b-5p	0	0	0	0	3.479177	0	0	0	0	0.885362	0	0.996036	0	0	0	0	0	0	14.28493	5.199386	1.242245	4.027509	1.135639	0.00039	NaN	Low	0.143546	2.340944
hsa-miR-135b-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.098841	0	0.054942	0.854394	0.6085	0.160289	NaN	Low	0.039133	0.070752
hsa-miR-148b-5p	3.107481	0	1.485314	1.297257	0	0	0	0	0	0	0	0	0.332572	0.376742	0.985359	2.972429	1.191446	0	1.098841	2.399716	0.762358	0.991411	1.083377	0.360133	NaN	Low	0.510258	1.014458
hsa-miR-148b-3p	141.9083	101.1326	75.751	112.8613	93.93777	92.51397	112.2863	69.98441	71.64907	141.658	178.5653	206.1794	134.6918	174.4313	130.5601	174.7788	164.4196	146.8364	239.5473	155.9816	135.9837	0.58727	0.358953	0.101826	0.217788	OK	108.6826	163.2849
hsa-miR-331-5p	1.035827	1.509442	1.485314	0	6.958353	2.569832	0	1.186176	0	0.885362	2.164428	0.996036	0.665145	0	0.492679	0	0	0	1.098841	2.399716	1.172358	0.939603	0.991624	0.343364	NaN	Low	0.803535	1.54118
hsa-miR-331-3p	3.107481	1.509442	1.485314	0	3.479177	5.139665	8.317501	17.79265	3.523725	22.13406	20.56207	19.92072	15.29833	22.22775	18.72182	17.83457	20.25458	50.26832	47.25016	49.59414	17.42107	1.538763	0.821777	0.06114	0.152444	OK	8.921413	25.92074
hsa-miR-324-5p	4.143309	4.528326	4.455941	3.891771	17.39588	0	3.119063	7.117058	10.57117	7.968262	3.246643	1.992072	6.984021	9.795281	10.34627	16.05111	1.191446	23.81131	16.48261	34.79589	9.394372	1.613979	0.691702	0.01963	NaN	Low	4.626689	14.16206
hsa-miR-324-3p	1.035827	0	0	2.594514	0	0	1.039688	2.372353	2.34915	1.770725	0	0	0.997717	0.376742	0	0.594486	0	0	4.395363	1.199858	0.936321	1.411067	0.996921	0.156944	NaN	Low	0.511743	1.360899
hsa-miR-338-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-338-3p	2.071654	233.9635	14.85314	14.26983	24.35424	5.139665	8.317501	20.165	17.61862	5.312175	22.7265	0.996036	43.56699	8.288315	47.29723	11.88971	76.25255	22.48846	25.27334	17.59792	31.12212	-0.46833	0.950937	NaN	NaN	Outlier	36.12973	26.11451
hsa-miR-339-5p	1.035827	10.56609	4.455941	10.37806	6.958353	5.139665	10.39688	5.930882	1.174575	6.197537	5.411071	7.968287	2.66058	4.144157	7.882871	5.350372	7.148676	10.5828	9.889567	11.99858	6.763539	0.808704	0.538342	0.133042	NaN	Low	4.916011	8.611066
hsa-miR-339-3p	3.107481	1.509442	2.970628	9.080798	3.479177	5.139665	5.198438	11.86176	8.222024	6.197537	5.411071	9.960359	3.325724	5.651124	11.33163	17.83457	8.340122	11.90566	25.27334	17.99787	8.689921	1.432874	0.554343	0.009743	NaN	Low	4.697458	12.68238
hsa-miR-335-5p	26.93151	24.15107	8.911883	2.594514	76.54189	28.26816	17.67469	27.28206	25.84065	30.98769	59.52178	16.93261	28.60123	49.72989	72.91656	28.53532	52.42363	80.69388	46.15131	62.79258	38.37414	0.537589	0.645307	0.404802	0.551291	OK	31.30609	45.4422
hsa-miR-335-3p	96.33193	4.528326	57.92724	76.53816	90.45859	64.24581	10.39688	41.51617	70.4745	23.01942	30.302	28.88504	26.27322	29.76258	54.19474	29.1298	7.148676	47.62262	20.87798	35.19584	42.24148	-0.56528	0.680803	0.406363	0.552654	OK	50.41275	34.0702
hsa-miR-133b	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-325	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-345-5p	92.18862	49.81159	144.0754	70.05187	20.87506	20.55866	69.65907	64.05352	147.9964	52.23639	18.39764	19.92072	47.55786	53.87405	50.2533	93.33426	232.332	59.52828	210.9774	152.7819	83.52321	1.215148	0.654243	0.063264	0.155587	OK	50.29026	116.7562
hsa-miR-345-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0	0	0	0	0	0	0.018837	-0.04259	0.37733	0.910127	NaN	Low	0.019115	0.018559
hsa-miR-346	0	0	0	0	0	0	0	3.558529	0	0	0	0	0	0	0	0	0	0	1.098841	3.199622	0.39285	1.346161	1.069789	0.208268	NaN	Low	0.221802	0.563897
hsa-miR-384	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-196b-5p	417.4383	102.6421	199.032	16.86434	424.4596	38.54749	279.676	9.489411	609.6044	324.0427	0	105.5798	19.2892	103.2272	317.7783	363.8253	0	214.3018	172.518	361.9572	204.0137	0.332155	1.036279	0.748569	0.835694	OK	180.6316	227.3957
hsa-miR-196b-3p	1.035827	0	0	0	0	0	0	0	0	0.885362	0	0	0	0	0	0	0	0	0	0	0.096059	-0.26055	0.825195	0.752196	NaN	Low	0.10471	0.087409
hsa-miR-422a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-423-5p	73.54373	70.94378	25.25033	18.1616	100.8961	105.3631	158.0325	207.5809	41.11012	114.2118	111.4681	286.8583	190.564	178.1988	180.3207	379.8764	349.0937	322.7755	291.1928	220.374	171.2908	0.59442	0.704184	0.398599	0.545621	OK	136.494	206.0876
hsa-miR-423-3p	405.0084	680.7584	920.8945	516.3082	615.8143	639.8883	505.2882	920.4729	476.8774	271.8063	492.4075	603.5978	897.613	540.6242	410.402	1200.267	705.3361	473.5805	798.8573	737.5128	640.6657	0.285847	0.387589	0.460818	0.60623	OK	577.4036	703.9278
hsa-miR-424-5p	7.25079	4.528326	1.485314	1.297257	6.958353	17.98883	5.198438	3.558529	5.872875	7.0829	6.493285	20.91675	5.653732	32.39978	17.24378	7.728315	3.574338	21.16561	9.889567	15.1982	10.07425	0.30819	0.748298	0.680446	0.78287	OK	9.002285	11.14621
hsa-miR-424-3p	1.035827	0	0	0	0	0	0	2.372353	4.6983	0.885362	1.082214	3.984144	0.332572	6.027865	1.478038	0	0	0	12.08725	1.199858	1.759189	1.678701	1.08684	0.12245	NaN	Low	0.837431	2.680948
hsa-miR-425-5p	25.89568	13.58498	20.79439	31.13417	48.70847	38.54749	17.67469	52.19176	51.6813	21.2487	19.47986	41.83351	44.89728	31.64629	33.5022	96.90117	92.93279	99.21379	103.291	132.7843	50.89719	1.355879	0.575103	0.018392	0.064767	OK	28.5977	73.19669
hsa-miR-425-3p	1.035827	0	1.485314	0	0	0	0	1.186176	3.523725	0	1.082214	0.996036	0.332572	2.637191	1.970718	1.783457	1.191446	2.645701	6.593045	7.199149	1.683129	2.206032	0.79939	0.005786	NaN	Low	0.599614	2.766644
hsa-miR-18b-5p	1.035827	0	1.485314	0	0	0	0	3.558529	1.174575	0.885362	0	0	0.665145	0.753483	0.985359	1.783457	0	10.5828	1.098841	0.399953	1.220432	-0.59046	1.112854	0.595709	NaN	Low	1.46675	0.974115
hsa-miR-18b-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.492679	0	0	0	0	0	0.024634	-0.05374	0.421031	0.898444	NaN	Low	0.025093	0.024175
hsa-miR-20b-5p	84.93783	46.79271	26.73565	60.97107	27.83341	46.25698	57.18282	99.63881	48.15757	30.98769	20.56207	26.89297	17.29377	46.33921	61.58493	74.31072	1.191446	173.2934	12.08725	1.199858	48.21251	-2.64842	0.783766	0.000727	0.006361	OK	83.16123	13.26379
hsa-miR-20b-3p	1.035827	0	0	0	0	0	1.039688	0	0	0	2.164428	0	0	0	0.492679	1.188971	0	0	0	0	0.29608	-0.96697	1.157565	0.403521	NaN	Low	0.391749	0.20041
hsa-miR-448	0	0	0	0	0	0	0	0	1.174575	0	0	0	0	0	0	0	0	0	0	0	0.058729	-0.1031	0.566727	0.855641	NaN	Low	0.060826	0.056631
hsa-miR-429	233.0611	387.9266	203.488	136.212	504.4806	105.3631	128.9213	1.186176	348.8488	247.9015	50.86407	194.227	356.1851	2.260449	7.882871	396.522	573.0856	324.0984	509.8621	1548.217	313.0297	1.766886	0.936638	0.059239	0.150935	OK	142.1833	483.8761
hsa-miR-449a	0	37.73605	2.970628	46.70125	6.958353	0	7.277814	0	135.0761	1.770725	48.69964	52.7899	1.995435	14.31618	0.492679	2.377943	0	2.645701	27.47102	6.799197	19.80393	-0.15346	1.137308	0.892665	0.932381	OK	20.85621	18.75165
hsa-miR-450a-5p	6.214963	4.528326	11.88251	16.86434	0	0	0	0	8.222024	0.885362	2.164428	1.992072	3.990869	6.781348	6.404833	2.972429	1.191446	10.5828	6.593045	7.599102	4.943495	0.484753	0.872379	0.578438	NaN	Low	4.120701	5.766289
hsa-miR-450a-1-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-431-5p	0	0	0	0	0	0	0	1.186176	0	0	1.082214	0	0	0	0.985359	0.594486	0	0	85.70958	0	4.477891	5.035729	1.517483	0.000905	NaN	Low	0.264945	8.690837
hsa-miR-431-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52.74436	0	2.637218	5.393958	1.671016	0.001247	NaN	Low	0.122525	5.151911
hsa-miR-433-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.691886	0	0.384594	2.89261	1.696526	0.088191	NaN	Low	0.091286	0.677902
hsa-miR-433-3p	1.035827	0	0	2.594514	0	0	0	0	0	0	0	0	0.332572	0.376742	0.985359	1.783457	1.191446	2.645701	95.59915	0	5.327238	4.670093	1.328984	0.000441	NaN	Low	0.402682	10.2518
hsa-miR-329-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.296522	0	0.164826	1.85025	1.549586	0.232467	NaN	Low	0.071576	0.258076
hsa-miR-329-3p	0	0	0	0	0	0	0	0	0	0	0	1.992072	0.332572	0	0	0.594486	1.191446	0	50.54668	0	2.732863	4.365125	1.543824	0.004692	NaN	Low	0.25295	5.212775
hsa-miR-451a	515.8419	4.528326	8.911883	189.3995	34.79177	77.09497	68.61939	10.67559	12.92032	35.4145	21.64428	84.66305	146.3319	35.79045	62.57029	53.50372	52.42363	339.9726	241.745	37.99551	101.7419	0.419425	0.942058	0.656159	0.762041	OK	87.05586	116.428
hsa-miR-452-5p	1.035827	0	0	0	0	0	0	3.558529	1.174575	0.885362	0	0	0.665145	0	0	0	0	0	0	1.599811	0.445962	0.560725	1.192676	0.638255	NaN	Low	0.360372	0.531553
hsa-miR-452-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-409-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.593045	0	0.329652	2.692449	1.680537	0.109125	NaN	Low	0.08833	0.570974
hsa-miR-409-3p	19.68072	6.037769	2.970628	6.486284	10.43753	15.41899	4.158751	9.489411	9.396599	0.885362	2.164428	6.972252	6.984021	13.5627	18.72182	10.70074	4.765784	30.42556	1636.174	1.999764	90.87166	5.496527	0.886717	NaN	NaN	Outlier	3.938439	177.8049
hsa-miR-412-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0	0	0	0	10.98841	0	0.568257	3.204114	1.721098	0.06265	NaN	Low	0.11125	1.025265
hsa-miR-412-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-410-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.098841	0	0.054942	0.854394	0.6085	0.160289	NaN	Low	0.039133	0.070752
hsa-miR-410-3p	12.42993	7.547211	4.455941	10.37806	0	12.84916	3.119063	0	3.523725	0	6.493285	5.976216	3.325724	9.795281	11.82431	9.511772	1.191446	19.84276	3696.501	3.999527	191.1382	6.802344	1.084566	NaN	NaN	Outlier	3.394643	378.8818
hsa-miR-376b-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-376b-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.322851	13.18609	0	0.725447	2.915898	1.721644	0.090328	NaN	Low	0.169755	1.281139
hsa-miR-483-5p	0	0	0	0	0	0	0	0	0	0	0	0.996036	0	0	0	0	0	0	1.098841	0	0.104744	0.641303	0.799489	0.422471	NaN	Low	0.08184	0.127648
hsa-miR-483-3p	0	0	0	1.297257	0	0	0	0	0	0	0	0.996036	0	0	0	0	0	0	0	0	0.114665	-0.27934	0.846171	0.741306	NaN	Low	0.125731	0.103598
hsa-miR-484	70.43625	57.3588	167.8405	119.3476	76.54189	59.10615	79.01626	170.8094	58.72875	132.8044	80.08385	50.79783	53.87674	67.06	54.68742	85.60595	94.12424	62.17398	95.59915	109.587	87.27931	0.25671	0.425239	0.546054	0.675073	OK	79.53459	95.02403
hsa-miR-485-5p	1.035827	0	0	0	3.479177	2.569832	0	0	0	0	0	0	0	0.376742	0	0	0	0	60.43625	0	3.394891	4.240888	1.587412	0.00755	NaN	Low	0.341066	6.448716
hsa-miR-485-3p	1.035827	0	0	0	0	2.569832	0	0	0	0	0	1.992072	0	0.376742	0	0.594486	0	0	127.4655	0	6.701725	5.245726	1.485539	0.000414	NaN	Low	0.344189	13.05926
hsa-miR-486-5p	1579.636	61.88713	145.5608	753.7063	107.8545	256.9832	510.4866	620.3702	81.04567	98.27524	69.26171	154.3856	359.1782	116.7899	231.0667	301.9988	148.9308	977.5866	750.5083	861.8981	409.3705	0.99015	0.822624	0.228725	0.374623	OK	274.1573	544.5838
hsa-miR-486-3p	0	0	0	0	0	0	9.357189	5.930882	0	0	0	0.996036	0.332572	0	2.463397	2.972429	0	1.322851	4.395363	13.99835	2.088453	1.875098	1.159087	0.105719	NaN	Low	0.894745	3.282162
hsa-miR-487a-5p	0	0	0	0	0	0	0	1.186176	0	0	0	0	0.665145	0	0	0	0	0	14.28493	0	0.806813	3.037587	1.702309	0.07436	NaN	Low	0.175181	1.438444
hsa-miR-487a-3p	1.035827	0	0	1.297257	0	0	0	0	0	0	0	0	0	0	0	1.188971	0	1.322851	46.15131	0	2.549811	4.079194	1.572265	0.009474	NaN	Low	0.28485	4.814772
hsa-miR-488-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-488-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.593045	0	0.329652	2.692449	1.680537	0.109125	NaN	Low	0.08833	0.570974
hsa-miR-489-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-489-3p	0	0	0	0	0	2.569832	0	0	0	0	0	0	0.665145	0	0	0	0	0	0	0	0.161749	-0.32455	0.891095	0.715696	NaN	Low	0.179866	0.143632
hsa-miR-490-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0	0	0	0	3.296522	1.999764	0.283651	3.078492	1.673454	0.065826	NaN	Low	0.060049	0.507254
hsa-miR-490-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.296522	3.199622	0.324807	3.743378	1.686685	0.026462	NaN	Low	0.045135	0.60448
hsa-miR-491-5p	0	0	0	0	0	0	0	0	0	0.885362	0	1.992072	0.332572	0.376742	3.941436	0.594486	0	1.322851	0	0.799905	0.512271	-0.21373	1.183032	0.856632	NaN	Low	0.550148	0.474395
hsa-miR-491-3p	0	0	0	0	0	0	0	2.372353	0	0	0	0	0	0	0	0.594486	0	0	0	0	0.148342	-0.30417	0.872046	0.727237	NaN	Low	0.163922	0.132762
hsa-miR-511-5p	0	0	1.485314	5.189028	0	0	0	0	0	0.885362	0	0	0.332572	0	0.492679	0.594486	0	0	0	0	0.448972	-1.15747	1.179025	0.326237	NaN	Low	0.62	0.277944
hsa-miR-511-3p	0	0	0	0	0	0	0	1.186176	0	0	0	0	0	0	0	0	0	0	0	0	0.059309	-0.10374	0.56828	0.855145	NaN	Low	0.06144	0.057177
hsa-miR-146b-5p	4.143309	9.056653	19.30908	20.75611	45.2293	20.55866	6.238126	15.42029	18.7932	32.75841	10.82214	12.94847	8.314311	7.15809	8.375551	15.45663	20.25458	11.90566	13.18609	36.3957	16.85402	0.682224	0.581584	0.240778	0.388555	OK	12.94168	20.76636
hsa-miR-146b-3p	0	0	0	2.594514	6.958353	0	0	1.186176	3.523725	1.770725	1.082214	0	0	0.376742	0	0.594486	1.191446	1.322851	0	1.999764	1.13005	0.177201	1.11309	0.873514	NaN	Low	1.060737	1.199362
hsa-miR-202-5p	0	0	0	0	0	0	0	0	1.174575	0	0	0	0	0	0	0	0	0	0	0	0.058729	-0.1031	0.566727	0.855641	NaN	Low	0.060826	0.056631
hsa-miR-202-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-492	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-493-5p	12.42993	1.509442	1.485314	3.891771	0	5.139665	2.079375	2.372353	0	1.770725	5.411071	3.984144	2.66058	3.767416	3.448756	4.1614	1.191446	6.614253	528.5424	1.199858	29.583	5.372729	0.889921	1.57E-09	7.73E-07	OK	1.39432	57.77167
hsa-miR-493-3p	3.107481	0	0	0	0	0	0	1.186176	1.174575	0	3.246643	0.996036	0	3.013933	0.985359	1.188971	0	3.968552	142.8493	0.399953	8.105849	4.65624	1.076833	1.53E-05	NaN	Low	0.618401	15.5933
hsa-miR-432-5p	3.107481	0	0	0	0	0	0	1.186176	0	0	0	0.996036	0.332572	1.130225	1.478038	0	0	0	187.9018	0	9.806616	5.425153	1.433088	0.000153	NaN	Low	0.446091	19.16714
hsa-miR-432-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0	0	0	0	9.889567	0	0.513315	3.07113	1.721735	0.074466	NaN	Low	0.109166	0.917465
hsa-miR-494-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-494-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.395363	0	0.219768	2.185353	1.615944	0.176257	NaN	Low	0.079219	0.360317
hsa-miR-495-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.322851	1.098841	0	0.121085	0.595057	0.815466	0.465565	NaN	Low	0.096461	0.145708
hsa-miR-495-3p	0	0	0	0	0	0	0	0	0	0.885362	0	0	0	0	0	0.594486	0	0	36.26175	0	1.88708	4.362509	1.642126	0.007893	NaN	Low	0.174968	3.599191
hsa-miR-496	0	0	0	0	0	0	0	0	0	0	0	0	0.332572	0	0	0	0	0	12.08725	0	0.620991	3.368271	1.719089	0.050074	NaN	Low	0.109653	1.132329
hsa-miR-193b-5p	0	0	0	0	0	0	0	0	0	0	0	0.996036	0.665145	0.753483	0	4.1614	0	0	1.098841	2.399716	0.503731	1.150573	1.193045	0.334845	NaN	Low	0.312874	0.694588
hsa-miR-193b-3p	14.50158	16.60386	37.13284	49.29576	17.39588	35.97765	17.67469	43.88853	24.66607	62.86074	64.93285	64.74234	27.60351	25.24169	13.30235	235.4163	4.765784	195.7819	29.6687	71.59154	52.65223	-0.05337	0.829706	0.94871	0.969356	OK	53.62605	51.67841
hsa-miR-497-5p	421.5817	163.0198	124.7664	214.0474	132.2087	82.23464	273.4379	115.0591	130.3778	279.7745	264.0603	185.2627	423.0322	256.1843	208.4034	269.8965	107.2301	173.2934	24.1745	157.1814	200.2613	-1.15048	0.546155	0.03516	0.104736	OK	276.1322	124.3904

hsa-miR-497-3p	0	0	0	0	0	0	1.039688	0	0	0	0	0	0	0	0	0	0	0	0	0	0.051984	-0.09508	0.546745	0.861939	NaN	Low	0.053697	0.050272
hsa-miR-181d-5p	4.143309	22.64163	10.3972	47.99851	6.958353	5.139665	11.43656	15.42029	29.36437	0.885362	5.411071	0.996036	4.323442	15.82315	5.419474	6.539343	10.72301	6.614253	9.889567	115.1864	16.76555	2.113436	0.834522	0.011325	0.045537	OK	6.294311	27.23679
hsa-miR-181d-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-512-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-512-3p	0	0	0	482.5796	0	0	0	0	1.174575	0	2.164428	0	0	0	0	0	0	0	0	0.799905	24.33592	-0.18943	0.739272	NaN	NaN	Outlier	25.93136	22.74049
hsa-miR-498	0	0	0	5.189028	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.259451	-0.19979	0.7483	0.789475	NaN	Low	0.277388	0.241515
hsa-miR-520e	0	0	0	2.594514	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.129726	-0.15568	0.676493	0.817989	NaN	Low	0.136718	0.122733
hsa-miR-515-5p	0	0	1.485314	712.194	0	0	0	1.186176	0	0	22.7265	0	0.332572	0.376742	0	0	0	0	0	0.799905	36.95506	-0.42048	0.972535	NaN	NaN	Outlier	42.30263	31.6075
hsa-miR-515-3p	0	0	0	12.97257	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.648628	-0.04806	0.401162	0.904648	NaN	Low	0.65943	0.637827
hsa-miR-519e-5p	0	0	0	2.594514	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.129726	-0.15568	0.676493	0.817989	NaN	Low	0.136718	0.122733
hsa-miR-519e-3p	0	0	0	2.594514	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.129726	-0.15568	0.676493	0.817989	NaN	Low	0.136718	0.122733
hsa-miR-520f-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-520f-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-519c-5p	0	0	0	10.37806	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.518903	-0.0512	0.413278	0.901396	NaN	Low	0.52811	0.509695
hsa-miR-519c-3p	0	0	0	416.4195	0	0	0	0	0	0	17.31543	0	0	0	0	0	0	0	0	0.799905	21.72674	-0.12165	0.616457	NaN	NaN	Outlier	22.64218	20.8113
hsa-miR-520a-5p	0	0	0	40.21496	0	0	0	0	0	0	3.246643	0	0	0	0	0	0	0	0	0	2.17308	-0.14437	0.657031	NaN	NaN	Low	2.28172	2.064441
hsa-miR-520a-3p	0	0	0	3.891771	0	0	0	0	0	0	1.082214	0	0	0	0	0	0	0	0	0	0.248699	-0.34264	0.907957	0.705899	NaN	Low	0.278094	0.219305
hsa-miR-526b-5p	0	0	0	42.80948	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.140474	-0.0365	0.352144	NaN	NaN	Low	2.167551	2.113397
hsa-miR-526b-3p	0	0	0	5.189028	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.259451	-0.19979	0.7483	0.789475	NaN	Low	0.277388	0.241515
hsa-miR-519b-5p	0	0	0	6.486284	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.324314	-0.21221	0.766097	0.781782	NaN	Low	0.348123	0.300505
hsa-miR-519b-3p	0	0	0	6.486284	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.324314	-0.21221	0.766097	0.781782	NaN	Low	0.348123	0.300505
hsa-miR-525-5p	0	0	0	53.18753	0	0	0	0	0	0	4.328857	0	0	0	0	0	0	0	0	0	2.875819	-0.13531	0.639417	NaN	NaN	Low	3.010581	2.741058
hsa-miR-525-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-523-5p	0	0	0	11.67531	0	0	0	0	0	0	1.082214	0	0	0	0	0	0	0	0	0	0.637876	-0.37704	0.936645	0.687288	NaN	Low	0.720757	0.554996
hsa-miR-523-3p	0	0	0	1.297257	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.064863	-0.10965	0.58227	0.850631	NaN	Low	0.067327	0.062399
hsa-miR-518f-5p	0	0	0	6.486284	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.324314	-0.21221	0.766097	0.781782	NaN	Low	0.348123	0.300505
hsa-miR-518f-3p	0	0	0	2.594514	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.129726	-0.15568	0.676493	0.817989	NaN	Low	0.136718	0.122733
hsa-miR-520b	0	0	0	1.297257	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.064863	-0.10965	0.58227	0.850631	NaN	Low	0.067327	0.062399
hsa-miR-518b	0	0	0	90.80798	0	0	0	0	0	0	8.657714	0	0	0	0	0	0	1.322851	0	0	5.039427	-0.22638	0.785905	NaN	NaN	Low	5.43399	4.644865
hsa-miR-526a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-520c-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-520c-3p	0	0	0	7.783541	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.389177	-0.05589	0.430495	0.896708	NaN	Low	0.396714	0.38164
hsa-miR-518c-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-518c-3p	0	0	0	2.594514	0	0	0	0	0	0	2.164428	0	0	0	0	0	0	0	0	0	0.237947	-0.34415	0.90922	0.705048	NaN	Low	0.266194	0.2097
hsa-miR-524-5p	0	0	0	20.75611	0	0	0	0	0	0	2.164428	0	0	0	0	0	0	0	0	0	1.146027	-0.17184	0.705622	0.807592	NaN	Low	1.214199	1.077855
hsa-miR-524-3p	0	0	0	1.297257	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.064863	-0.10965	0.58227	0.850631	NaN	Low	0.067327	0.062399
hsa-miR-517-5p	0	0	0	51.89028	0	0	0	0	0	0	1.082214	0	0	0	0	0	0	0	0	0	2.648624	-0.13458	0.637953	NaN	NaN	Low	2.772071	2.525178
hsa-miR-517a-3p	0	0	0	162.1571	0	0	0	0	0	0	3.246643	0	0	0	0	0.594486	0	0	0	0.399953	8.31991	-0.23265	0.802537	NaN	NaN	Low	8.989305	7.650514
hsa-miR-519d-5p	0	0	0	1.297257	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.064863	-0.10965	0.58227	0.850631	NaN	Low	0.067327	0.062399
hsa-miR-519d-3p	0	0	1.485314	22.05337	0	0	0	0	0	0	2.164428	0	0	0	0	0	0	0	0	0	1.285155	-0.5318	1.032129	0.60638	NaN	Low	1.519375	1.050936
hsa-miR-521	0	0	0	3.891771	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.194589	-0.1823	0.721548	0.80054	NaN	Low	0.206866	0.182311
hsa-miR-520d-5p	0	0	0	1.297257	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.064863	-0.10965	0.58227	0.850631	NaN	Low	0.067327	0.062399
hsa-miR-520d-3p	0	0	0	42.80948	0	0	0	1.186176	0	0	0	0	0	0	0	0	0	0	0	0.399953	2.21978	-0.17189	0.736664	NaN	NaN	Low	2.351862	2.087699
hsa-miR-517b-3p	0	0	0	150.4818	0	0	0	0	0	0	5.411071	0	0	0	0	0	0	0	0	0.399953	7.814641	-0.14397	0.664237	NaN	NaN	Low	8.204251	7.425032
hsa-miR-520g-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-520g-3p	0	0	0	12.97257	0	0	0	0	0	0	1.082214	0	0	0	0	0	0	0	0	0	0.702739	-0.3783	0.937663	0.686614	NaN	Low	0.794351	0.611127
hsa-miR-516b-5p	0	0	0	47.99851	0	0	0	0	1.174575	0	2.164428	0	0	0	0	0	0	0	0	0	2.566875	-0.26357	0.83105	NaN	NaN	Low	2.800697	2.333054
hsa-miR-516b-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-518e-5p	0	0	0	9.080798	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.45404	-0.05326	0.420947	0.899318	NaN	Low	0.46242	0.44566
hsa-miR-518e-3p	0	0	0	90.80798	0	0	0	0	1.174575	0	0	0	0	0	0	0	0	0	0	0	4.599128	-0.11908	0.605528	NaN	NaN	Low	4.788829	4.409427
hsa-miR-518a-5p	0	0	0	1.297257	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.064863	-0.10965	0.58227	0.850631	NaN	Low	0.067327	0.062399
hsa-miR-518a-3p	0	0	0	5.189028	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.259451	-0.19979	0.7483	0.789475	NaN	Low	0.277388	0.241515
hsa-miR-518d-5p	0	0	0	1.297257	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.064863	-0.10965	0.58227	0.850631	NaN	Low	0.067327	0.062399
hsa-miR-518d-3p	0	0	0	3.891771	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.194589	-0.1823	0.721548	0.80054	NaN	Low	0.206866	0.182311
hsa-miR-517c-3p	0	0	0	46.70125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.335062	-0.03593	0.349496	NaN	NaN	Low	2.364138	2.305987
hsa-miR-520h	0	0	0	3.891771	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.194589	-0.1823	0.721548	0.80054	NaN	Low	0.206866	0.182311
hsa-miR-522-5p	0	0	0	11.67531	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.583766	-0.04949	0.406722	0.903159	NaN	Low	0.593777	0.573755
hsa-miR-522-3p	0	0	0	37.62045	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.881022	-0.03744	0.356445	NaN	NaN	Low	1.905431	1.856614
hsa-miR-519a-5p	0	0	0	11.67531	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.583766	-0.04949	0.406722	0.903159	NaN	Low	0.593777	0.573755
hsa-miR-519a-3p	1.035827	0	0	37.62045	0	0	0	0	0	0	0	0	0	0	0.492679	2.972429	0	0	0	0.399953	2.126067	-0.61571	1.104272	NaN	NaN	Low	2.572979	1.679154
hsa-miR-527	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-516a-5p	0	0	0	80.42993	0	0	0	0	0	0	2.164428	0	0	0.376742	0	1.188971	0	0	0	0	4.208003	-0.3603	0.923839	NaN	NaN	Low	4.73074	3.685267
hsa-miR-516a-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-499a-5p	1.035827	0	0	1.297257	3.479177	0	0	2.372353	0	0.885362	1.082214	0	0.665145	0.376742	0.492679	1.188971	1.191446	2.645701	3.296522	0.799905	1.040465	0.918976	0.925476	0.320721	NaN	Low	0.719853	1.361078
hsa-miR-499a-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-500a-5p	3.107481	0	1.485314	0	0	0	2.079375	0	0	4.426812	0	0	1.995435	1.130225	0	1.188971	3.574338	2.645701	2.197682	2.799669	1.33155	0.768405	1.007969	0.445863	NaN	Low	0.985098	1.678002
hsa-miR-500a-3p	31.07481	9.056653	11.88251	3.891771	10.43753	12.84916	22.87313	11.86176	19.96777	12.39507	7.5755	4.98018	4.323442	15.06966	3.448756	7.728315	9.531568	11.90566	9.889567	58.3931	13.9568	1.4603	0.638851	0.022265	0.0757	OK	7.44034	20.47325
hsa-miR-501-5p	3.107481	1.509442	0	0	0	0	1.039688	0	0	1.770725	0	0	0	2.637191	0	1.188971	0	3.968552	3.296522	7.599102	1.305884	1.919047	1.102608	0.081778	NaN	Low	0.546197	2.06557
hsa-miR-501-3p	59.04215	9.056653	23.76502	6.486284	0	15.41899	33.27001	10.67559	22.31692	5.312175	5.411071	4.98018	5.321159	7.15809	1.478038	5.350372	20.25458	7.937103	8.790727	40.39523	14.62102	0.759349	0.831973	0.361395	0.506879	OK	10.85964	18.3824
hsa-miR-502-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-502-3p	4.143309	0	0	0	3.479177	0	2.079375	0	0	0	1.082214	1.992072	1.33029	2.260449	0.492679	0.594486	3.574338	6.614253	1.098841	4.799433	1.677046	0.842559	0.978204	0.389055	NaN	Low	1.200794	2.153298
hsa-miR-450a-2-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-503-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.399953	0.019998	0.379776	0.404782	0.34813	NaN	Low	0.017381	0.022615
hsa-miR-503-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-504-5p	5.179136	1.509442	16.33845	2.594514	0	2.569832	5.198438	1.186176	0	3.54145	1.082214	4.98018	2.66058	1.883708	0.985359	0.594486	1.191446	1.322851	1.098841	0.399953	2.715853	-1.59687	0.990179	0.106808	NaN	Low	4.082169	1.349537
hsa-miR-504-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-505-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-505-3p	5.179136	3.018884	4.455941	10.37806	6.958353	0	2.079375	1.186176	0	7.0829	1.082214	4.98018	3.325724	3.390674	3.448756	14.86214	4.765784	3.968552	10.98841	29.99646	6.057386	1.992884	0.710979	0.005063	NaN	Low	2.432529	9.682242
hsa-miR-513a-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-513a-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-506-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-506-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-507	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-508-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.399953	0.019998	0.379776	0.404782	0.34813	NaN	Low	0.017381	0.022615
hsa-miR-508-3p	0	0	0	0	3.479177	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.199858	0.233952	0.577854	0.90597	0.523585	NaN	Low	0.187715	0.280189
hsa-miR-509-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-509-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.322851	0	0	0.066143	-0.11096	0.585315	0.849637	NaN	Low	0.068685	0.0636
hsa-miR-510-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-510-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-514a-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-514a-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.098841	0	0.054942	0.854394	0.6085	0.160289	NaN	Low	0.039133	0.070752
hsa-miR-532-5p	582.1349	61.88713	161.8992	63.56559	114.8128	115.6425	335.8191	134.0379	71.64907	111.5557	123.3724	101.5957	56.20474	119.8038	26.60469	52.90923	102.4644	171.9706	123.0702	313.163	147.2081	0.589412	0.693501	0.395377	0.543712	OK	117.5487	176.8676
hsa-miR-532-3p	12.42993	0	8.911883	1.297257	6.958353	12.84916	17.67469	10.67559	8.222024	5.312175	6.493285	6.972252	3.325724	7.534831	6.404833	3.566914	11.91446	22.48846	7.691886	29.99646	9.536008	1.105915	0.670129	0.098881	NaN	Low	6.050087	13.02193
hsa-miR-455-5p	5.179136	7.547211	2.970628	10.37806	31.31259	28.26816	4.158751	2.372353	5.872875	4.426812	3.246643	8.964323	2.66058	9.418539	10.83895	4.755886	0	6.614253	2.197682	3.199622	7.719152	-1.25349	0.804923	0.119403	NaN	Low	10.8764	4.561903
hsa-miR-455-3p	0	0	0	0	3.479177	2.569832	0	0	1.174575	0	0	2.988108	0.332572	1.130225	2.956077	0	0	0	0	0	0.731528	-1.47564	1.192845	0.216058	NaN	Low	1.076115	0.386942
hsa-miR-539-5p	0	0	0	0	0	0	0	1.186176	0	0	0	0	0	0	0	0	0	1.322851	5.494204	0	0.400162	1.815839	1.099397	0.098602	NaN	Low	0.177037	0.623286
hsa-miR-539-3p	1.035827	0	0	0	0	2.569832	0	0	0	0	0	0	0.665145	0.376742	0.492679	0	0	0	31.86638	0	1.85033	4.029211	1.463128	0.00589	NaN	Low	0.213574	3.487086
hsa-miR-544a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-545-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-545-3p	0	0	0	0	0	0	0	0	0	0	0	0	0.332572	0	0	0	0	0	0	0	0.016629	-0.0381	0.357845	0.915204	NaN	Low	0.016848	0.016409
hsa-miR-376a-2-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-487b-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.098841	0	0.054942	0.854394	0.6085	0.160289	NaN	Low	0.039133	0.070752
hsa-miR-487b-3p	2.071654	0	0	0	0	5.139665	0	0	0	0.885362	1.082214	0	0.665145	3.013933	0.985359	1.188971	0	2.645701	342.8383	0	18.02582	5.722748	1.313414	1.32E-05	0.000419	OK	0.669976	35.38166
hsa-miR-551a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.492679	0	0	0	0	0	0.024634	-0.05374	0.421031	0.898444	NaN	Low	0.025093	0.024175
hsa-miR-552-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-552-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-553	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-554	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-92b-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.197682	0.799905	0.149879	2.575265	1.712247	0.132575	NaN	Low	0.04307	0.256689
hsa-miR-92b-3p	41.43309	126.7931	839.2023	638.2504	932.4194	131.0615	746.4957	193.3467	759.95	44.26812	90.90599	164.3459	236.1264	197.7893	249.2958	57.07063	141.7821	181.2305	3262.458	5324.971	717.9598	3.291869	0.815306	0.000054	0.001044	OK	133.0319	1302.888
hsa-miR-555	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-556-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-556-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-557	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-558	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-559	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-561-5p	0	0	11.88251	0	83.50024	17.98883	9.357189	0	23.4915	31.87305	2.164428	2.988108	3.658297	8.665056	20.69254	15.45663	9.531568	22.48846	1.098841	2.399716	13.36185	-2.02937	1.056047	0.054647	0.142169	OK	21.46548	5.258212
hsa-miR-561-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-562	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-563	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-564	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-566	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-567	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-568	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-551b-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-551b-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.999527	0.199976	2.181886	1.613799	0.176369	NaN	Low	0.072227	0.327726
hsa-miR-569	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-570-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0	0	0	0	0	0	0.018837	-0.04259	0.37733	0.910127	NaN	Low	0.019115	0.018559
hsa-miR-570-3p	0	0	0	0	0	0	0	0	0	0	0	0.996036	0	0.376742	0	0.594486	0	0	0	0	0.098363	-0.42629	0.970315	0.660423	NaN	Low	0.112791	0.083936
hsa-miR-571	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-572	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-573	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-574-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-574-3p	22.7882	25.66052	23.76502	15.56708	55.66683	35.97765	23.91282	28.46823	14.0949	58.43392	51.94628	175.3023	58.53275	70.82742	104.9407	77.87763	91.74135	203.719	56.04088	23.19726	60.92304	-0.6172	0.722628	0.393044	0.542016	OK	73.75967	48.08641
hsa-miR-575	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-576-5p	3.107481	0	1.485314	1.297257	6.958353	0	1.039688	1.186176	1.174575	0.885362	3.246643	1.992072	4.656014	1.883708	0.985359	1.783457	5.95723	1.322851	0	2.399716	2.068063	-0.44016	0.859017	0.608371	NaN	Low	2.381117	1.755009
hsa-miR-576-3p	1.035827	0	0	0	0	0	0	0	0	0	0	0.996036	0.997717	1.130225	0	0.594486	1.191446	0	0	1.599811	0.377277	0.743305	1.174441	0.526798	NaN	Low	0.282181	0.472373
hsa-miR-577	0	0	0	0	0	0	0	0	0	0	0	1.992072	2.993152	0	0	0	0	0	2.197682	0.399953	0.379143	0.778576	1.116993	0.485785	NaN	Low	0.27925	0.479036
hsa-miR-578	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-579-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0	0	0	0	0	0	0.018837	-0.04259	0.37733	0.910127	NaN	Low	0.019115	0.018559
hsa-miR-579-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-580-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-580-3p	0	0	0	1.297257	3.479177	0	0	0	0	0	1.082214	0.996036	0	0.376742	0	0.594486	3.574338	2.645701	2.197682	1.999764	0.91217	1.205017	1.091738	0.269697	NaN	Low	0.551927	1.272413
hsa-miR-581	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-582-5p	2.071654	3.018884	2.970628	2.594514	10.43753	2.569832	0	1.186176	5.872875	6.197537	4.328857	10.9564	111.0792	8.288315	23.64861	9.511772	111.9959	1.322851	5.494204	2.799669	16.31727	-1.4434	1.071432	0.177926	0.312718	OK	23.86089	8.77365
hsa-miR-582-3p	1.035827	15.09442	8.911883	3.891771	27.83341	0	4.158751	7.117058	7.04745	8.853625	9.739928	15.93657	281.0237	22.98124	17.24378	12.4842	167.9939	6.614253	8.790727	0.799905	31.37762	-1.90758	1.070998	NaN	NaN	Outlier	49.5486	13.20664
hsa-miR-583	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-584-5p	0	1.509442	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.075472	-0.12009	0.605775	0.84285	NaN	Low	0.078612	0.072333
hsa-miR-584-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN

hsa-miR-585-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-585-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548a-3p	0	0	0	0	0	0	1.039688	0	0	0	0	0	0	0	0	0	0	0	1.098841	0	0.106926	0.63413	0.80169	0.428949	NaN	Low	0.083798	0.130055
hsa-miR-586	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-587	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548b-5p	0	0	0	0	3.479177	0	0	0	0	0	0	0	0	0	0	0	0	0	3.296522	2.399716	0.458771	2.808375	1.18943	0.01822	NaN	Low	0.114622	0.80292
hsa-miR-548b-3p	0	0	0	0	0	0	0	0	0	0	1.082214	0	0	0	0.492679	0	1.191446	0	0	2.399716	0.258303	1.382786	1.151469	0.229794	NaN	Low	0.143195	0.373411
hsa-miR-588	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-589-5p	0	0	0	1.297257	0	0	0	0	0	0	0	0	0.332572	0	0.492679	1.188971	0	0	0	1.599811	0.245565	1.035517	1.185115	0.382244	NaN	Low	0.161034	0.330095
hsa-miR-589-3p	0	0	0	0	6.958353	2.569832	4.158751	0	4.6983	0	1.082214	0	1.662862	0	6.404833	4.1614	1.191446	1.322851	2.197682	2.399716	1.940412	0.233978	1.08106	0.828649	NaN	Low	1.783407	2.097417
hsa-miR-550a-5p	0	0	0	0	0	2.569832	0	0	0	0	0	0	0	0.376742	0.985359	1.188971	0	1.322851	0	0	0.322188	-0.98986	1.16098	0.393879	NaN	Low	0.428576	0.2158
hsa-miR-550a-3p	2.071654	0	0	1.297257	0	0	1.039688	5.930882	0	0	1.082214	0.996036	0.665145	0.753483	1.970718	3.566914	0	1.322851	6.593045	0.799905	1.40449	1.172013	0.97366	0.228698	NaN	Low	0.863435	1.945544
hsa-miR-590-5p	0	0	0	1.297257	0	0	0	0	0	0.885362	0	0	0	2.637191	0.492679	1.783457	0	0	0	0.799905	0.394793	-0.01813	1.1906	0.987851	NaN	Low	0.397273	0.392312
hsa-miR-590-3p	16.57323	6.037769	2.970628	3.891771	3.479177	2.569832	8.317501	0	4.6983	7.0829	4.328857	5.976216	7.981739	7.911573	4.434115	11.88971	4.765784	2.645701	5.494204	3.999527	5.752427	-0.38591	0.653247	0.55468	NaN	Low	6.517244	4.98761
hsa-miR-591	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-592	0	0	0	0	0	7.709497	0	1.186176	0	0	2.164428	0	1.33029	0.376742	0	0.594486	0	2.645701	148.3435	174.7793	16.95651	6.66301	0.899439	1.28E-13	1.26E-10	OK	0.331387	33.58163
hsa-miR-593-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-593-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-595	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-596	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-597-5p	0	0	0	0	0	0	1.039688	0	0	0	0	0	0.332572	0	0	0	0	0	0	0.399953	0.088611	0.332088	0.932333	0.721698	NaN	Low	0.078457	0.098764
hsa-miR-597-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-598-5p	0	0	0	0	0	0	0	1.186176	0	0	0	0	0	0	0	0	0	0	0	0	0.059309	-0.10374	0.56828	0.855145	NaN	Low	0.06144	0.057177
hsa-miR-598-3p	33.14647	6.037769	0	1.297257	0	5.139665	25.99219	3.558529	0	4.426812	10.82214	0	3.325724	9.041798	12.80967	8.917286	15.4888	33.07126	40.65711	71.59154	14.2662	2.062912	0.9646	0.032466	0.100351	OK	5.510005	23.0224
hsa-miR-599	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548a-5p	0	0	0	0	0	0	0	0	0	0	0	0.996036	0	0	0	0	0	0	0	0.799905	0.089797	0.548372	0.775096	0.479262	NaN	Low	0.072934	0.106661
hsa-miR-600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-601	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-602	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-603	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-604	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-605-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-605-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-606	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-607	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-608	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-609	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-610	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-611	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-612	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-613	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-614	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-615-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-615-3p	8.286617	0	2.970628	10.37806	0	10.27933	25.99219	29.65441	22.31692	0.885362	5.411071	5.976216	6.318876	1.883708	10.34627	4.1614	23.82892	11.90566	14.28493	4.39948	9.964002	-0.119	0.86474	0.89055	NaN	Low	10.37469	9.553312
hsa-miR-616-5p	1.035827	0	0	1.297257	0	2.569832	0	2.372353	1.174575	0.885362	1.082214	3.984144	0.997717	2.637191	0.492679	0.594486	2.382892	0	1.098841	0.399953	1.150266	-0.70815	1.004437	0.480798	NaN	Low	1.427036	0.873497
hsa-miR-616-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548c-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548c-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-617	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-618	0	0	1.485314	0	0	12.84916	0	0	0	0	0	6.972252	0.332572	0.376742	1.478038	2.377943	0	0	1.098841	3.199622	1.508524	0.432909	1.180429	0.713814	NaN	Low	1.283876	1.733172
hsa-miR-619-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-619-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-620	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-621	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-622	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-623	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-624-5p	0	0	0	0	0	0	0	1.186176	0	0	0	0	0	0	0.492679	0	0	0	0	0	0.083943	-0.24654	0.808499	0.760411	NaN	Low	0.091098	0.076788
hsa-miR-624-3p	0	0	0	0	0	0	0	0	0	0	1.082214	0	0	0	0	0	0	0	0	0	0.054111	-0.09768	0.553342	0.859877	NaN	Low	0.055942	0.05228
hsa-miR-625-5p	0	0	0	0	0	0	0	0	0	0.885362	0	0	0.665145	0.376742	0.492679	1.188971	0	0	2.197682	0.799905	0.330324	1.557653	1.145698	0.173967	NaN	Low	0.167518	0.493131
hsa-miR-625-3p	3.107481	0	0	2.594514	3.479177	0	0	0	0	0	2.164428	0	0.332572	0.753483	0.985359	0.594486	4.765784	0	2.197682	1.599811	1.128739	0.705478	1.049602	0.501495	NaN	Low	0.858133	1.399345
hsa-miR-626	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-627-5p	1.035827	1.509442	2.970628	0	0	0	1.039688	1.186176	5.872875	0	2.164428	0.996036	2.328007	0.753483	2.463397	1.188971	3.574338	0	1.098841	1.199858	1.4691	-0.36217	0.924978	0.695391	NaN	Low	1.652539	1.285661
hsa-miR-627-3p	0	0	0	0	0	0	1.039688	0	0	0	1.082214	0	0.332572	0	0	0	0	0	0	0	0.122724	-0.45512	0.988919	0.645361	NaN	Low	0.141922	0.103525
hsa-miR-628-5p	2.071654	0	0	1.297257	0	0	1.039688	0	1.174575	3.54145	2.164428	0	2.66058	1.130225	2.956077	5.944857	7.148676	1.322851	8.790727	28.39664	3.481984	2.820487	0.834429	0.000724	NaN	Low	0.863587	6.100382
hsa-miR-628-3p	0	0	0	0	0	0	0	0	0	0.885362	0	0	0	0	0	0	0	0	0	3.999527	0.244244	1.797934	1.668029	0.281088	NaN	Low	0.109105	0.379384
hsa-miR-629-5p	2.071654	0	1.485314	0	0	0	1.039688	1.186176	2.34915	3.54145	3.246643	2.988108	0.665145	0.376742	4.434115	2.972429	2.382892	0	6.593045	2.799669	1.906611	1.178857	0.827618	0.154331	NaN	Low	1.168276	2.644946
hsa-miR-629-3p	0	0	0	0	3.479177	0	1.039688	0	0	0	0	1.992072	0.997717	0.753483	0.492679	0	0	1.322851	0	0	0.503883	-1.4379	1.192425	0.227872	NaN	Low	0.736077	0.27169
hsa-miR-630	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-631	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-33b-5p	0	0	1.485314	1.297257	3.479177	0	0	0	1.174575	0.885362	0	0.996036	0.665145	0.376742	0	0.594486	0	0	0	0.399953	0.567702	-0.56887	1.15725	0.623021	NaN	Low	0.6782	0.457204
hsa-miR-33b-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-632	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-633	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-634	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-635	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-636	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.322851	0	0.399953	0.08614	0.246451	0.746726	0.741368	NaN	Low	0.0788	0.09348
hsa-miR-637	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-638	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-639	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-640	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-641	0	0	1.485314	0	3.479177	0	0	0	1.174575	0	1.082214	0	0.997717	0.753483	1.970718	1.783457	0	0	2.197682	3.999527	0.946193	1.739532	0.981209	0.076254	NaN	Low	0.436107	1.456279
hsa-miR-642a-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.197682	0	0.109884	1.425345	1.429597	0.318752	NaN	Low	0.059626	0.160142
hsa-miR-642a-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-643	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-644a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-645	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-646	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-647	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-648	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-649	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-650	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-651-5p	1.035827	12.07554	0	0	3.479177	0	0	1.186176	2.34915	7.0829	2.164428	0.996036	0.665145	1.130225	1.970718	0	4.765784	5.291402	3.296522	1.199858	2.434444	-0.1155	1.003878	0.908405	NaN	Low	2.531839	2.33705
hsa-miR-651-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-652-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-652-3p	2.071654	1.509442	2.970628	2.594514	0	0	2.079375	5.930882	3.523725	3.54145	3.246643	0	2.66058	3.390674	0.985359	4.755886	1.191446	9.259954	15.38377	17.99787	4.154693	2.364473	0.618394	0.000132	NaN	Low	1.351198	6.958188
hsa-miR-548d-5p	0	0	0	0	0	0	0	0	0	0.885362	1.082214	0.996036	0.332572	0.376742	0	0.594486	0	0	0	0	0.213371	-1.04311	1.168291	0.371936	NaN	Low	0.287314	0.139428
hsa-miR-548d-3p	0	0	0	0	6.958353	0	0	0	0	0	0	0.996036	0.332572	0	0	0.594486	0	0	0	0	0.444072	-0.77989	1.120489	0.486412	NaN	Low	0.56126	0.326884
hsa-miR-661	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-662	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-663a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-449b-5p	0	0	0	0	0	0	1.039688	0	10.57117	0	1.082214	4.98018	0.665145	0	0	0	0	0	1.098841	0.799905	1.011857	-0.06068	1.189749	0.959326	NaN	Low	1.033132	0.990583
hsa-miR-449b-3p	0	0	0	0	0	0	0	0	0	0	0	1.992072	0.332572	0	0	0	0	0	0	0	0.116232	-0.28191	0.849073	0.739876	NaN	Low	0.127552	0.104912
hsa-miR-653-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-653-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-411-5p	20.71654	3.018884	1.485314	7.783541	3.479177	7.709497	3.119063	1.186176	5.872875	5.312175	2.164428	12.94847	8.979456	16.19989	12.31699	12.4842	2.382892	17.19706	2259.217	1.999764	120.2787	6.110082	0.909024	NaN	NaN	Outlier	3.432877	237.1244
hsa-miR-411-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-654-5p	1.035827	0	0	0	0	0	1.039688	0	0	0	0	0	0	0	0	0	0	0	34.06407	0	1.806979	4.052631	1.664022	0.014874	NaN	Low	0.205403	3.408555
hsa-miR-654-3p	1.035827	0	0	0	0	0	0	0	0	0	0	0	0.332572	0.753483	0.492679	0	0	1.322851	10.98841	0	0.746291	2.849882	1.178653	0.01561	NaN	Low	0.181813	1.310769
hsa-miR-655-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-655-3p	0	0	0	0	0	0	0	0	0	0.885362	0	0	0	0	0.492679	0	0	0	25.27334	0	1.332569	3.974156	1.659255	0.016614	NaN	Low	0.159437	2.505701
hsa-miR-656-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-656-3p	1.035827	0	0	3.891771	3.479177	0	0	0	0	0	0	0	0.332572	1.883708	0.492679	0	0	0	24.1745	0	1.764512	2.850968	1.182681	0.015926	NaN	Low	0.429591	3.099432
hsa-miR-549a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-657	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-658	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-659-5p	1.035827	0	1.485314	0	0	0	0	3.558529	0	0	2.164428	0.996036	0.665145	1.130225	0	0	0	0	0	0	0.551775	-1.47243	1.192863	0.217066	NaN	Low	0.811211	0.292339
hsa-miR-659-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-660-5p	366.6828	52.83047	144.0754	55.78205	62.62518	61.67598	174.6675	40.33	83.39482	79.68262	84.41271	54.78198	41.90413	79.49247	19.70718	40.42503	90.5499	120.3794	73.62234	279.167	100.3095	0.864218	0.673277	0.199282	0.33685	OK	71.13256	129.4863
hsa-miR-660-3p	1.035827	0	0	0	0	0	2.079375	0	0	0	0	0	0	0	0	0	0	0	0	0	0.15576	-0.30789	0.875738	0.725156	NaN	Low	0.172318	0.139202
hsa-miR-421	21.75237	25.66052	26.73565	7.783541	20.87506	12.84916	8.317501	27.28206	31.71352	7.968262	48.69964	5.976216	24.94293	6.027865	16.25842	69.55483	20.25458	89.95384	85.70958	93.18899	32.57523	1.597927	0.714508	0.025325	0.08296	OK	16.17808	48.97237
hsa-miR-542-5p	0	0	2.970628	0	0	2.569832	0	0	0	0	0	0	0.332572	1.130225	0	0	0	0	1.098841	1.599811	0.485095	1.165082	1.1911	0.327997	NaN	Low	0.299215	0.670976
hsa-miR-542-3p	2.071654	1.509442	0	0	0	0	2.079375	2.372353	2.34915	0.885362	1.082214	0.996036	2.328007	3.390674	3.448756	4.1614	0	9.259954	1.098841	5.999291	2.151626	0.695522	0.860202	0.41877	NaN	Low	1.642795	2.660456
hsa-miR-758-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-758-3p	1.035827	0	0	0	0	0	0	0	1.174575	0	0	0	0.665145	0	1.970718	0	0	0	134.0586	0	6.945242	5.191614	1.540337	0.00075	NaN	Low	0.369966	13.52052
hsa-miR-1264	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-671-5p	1.035827	0	0	0	0	0	0	0	0	0.885362	1.082214	0.996036	0	1.883708	0.492679	1.188971	1.191446	0	2.197682	0.799905	0.587692	0.927631	1.072999	0.387301	NaN	Low	0.405004	0.770379
hsa-miR-671-3p	6.214963	10.56609	17.82377	28.53965	6.958353	0	15.59531	23.72353	10.57117	16.82189	8.657714	7.968287	4.988587	7.911573	20.69254	13.07869	9.531568	9.259954	13.18609	3.199622	11.76447	-0.63434	0.631884	0.315436	0.462827	OK	14.30994	9.218995
hsa-miR-668-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-668-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.296522	0	0.164826	1.85025	1.549586	0.232467	NaN	Low	0.071576	0.258076
hsa-miR-550a-3-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-767-5p	0	0	0	3.891771	0	0	0	0	1.174575	0	0	7.968287	0	16.95337	0	32.69672	0	101.8595	86.80843	0	12.56763	0.810098	1.070268	NaN	NaN	Outlier	9.12904	16.00622
hsa-miR-767-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0.753483	0	0	0	0	0	0	0.037674	-0.07221	0.483005	0.881161	NaN	Low	0.038617	0.036732
hsa-miR-1224-5p	0	1.509442	0	0	0	0	0	0	0	0	0	0	0	0	0	0.594486	0	0	2.197682	0	0.21508	1.118146	1.043623	0.283986	NaN	Low	0.135668	0.294493
hsa-miR-1224-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-151b	11.3941	4.528326	16.33845	2.594514	3.479177	2.569832	2.079375	0	2.34915	1.770725	3.246643	5.976216	7.649166	0.753483	1.478038	1.783457	1.191446	1.322851	5.494204	0.799905	3.839953	-0.35471	0.895267	0.69195	NaN	Low	4.309652	3.370254
hsa-miR-320b	0	0	1.485314	0	0	0	1.039688	2.372353	1.174575	0	0	0	0	0	0	0.594486	0	0	0	0	0.333321	-0.94474	1.154077	0.413008	NaN	Low	0.438718	0.227924
hsa-miR-320c	1.035827	0	0	0	0	0	2.079375	1.186176	0	0	0	0	0.332572	0	0	0	0	0	0	0	0.231698	-0.72776	1.10645	0.510705	NaN	Low	0.288928	0.174467
hsa-miR-1296-5p	8.286617	10.56609	28.22096	6.486284	13.91671	2.569832	22.87313	5.930882	17.61862	37.18522	4.328857	21.91279	10.97489	5.651124	15.27306	6.539343	7.148676	171.9706	47.25016	23.99716	23.43505	0.574618	0.891678	NaN	NaN	Outlier	18.82876	28.04134
hsa-miR-1296-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1468-5p	0	0	1.485314	0	3.479177	0	0	0	0	0	5.411071	0	0.332572	0.376742	0	5.350372	3.574338	0	3.296522	0	1.165305	0.273726	1.192419	0.818437	NaN	Low	1.055088	1.275523
hsa-miR-1468-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1323	0	0	0	295.7746	0	0	0	0	0	0	5.411071	0	0	0	0	0	0	0	0	1.199858	15.11928	-0.12388	0.627644	NaN	NaN	Outlier	15.76799	14.47056
hsa-miR-1271-5p	1.035827	1.509442	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.799905	0.167259	0.487171	0.996034	0.624764	NaN	Low	0.139284	0.195233
hsa-miR-1271-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1301-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1301-3p	3.107481	0	0	0	0	5.139665	1.039688	0	0	0.885362	0	0	0.332572	0.376742	0	1.783457	2.382892	5.291402	0	4.799433	1.256935	0.872331	1.130388	0.440287	NaN	Low	0.888099	1.62577
hsa-miR-454-5p	5.179136	1.509442	11.88251	5.189028	6.958353	0	2.079375	1.186176	5.872875	0.885362	3.246643	0	5.986304	0	3.448756	2.377943	2.382892	5.291402	6.593045	16.39806	4.323365	1.543305	0.82118	0.060193	NaN	Low	2.208833	6.437898
hsa-miR-454-3p	96.33193	54.33992	35.64753	54.48479	80.02106	56.53631	23.91282	42.70235	46.983	41.61204	42.20635	17.92865	42.90185	45.58573	49.26795	101.6571	101.2729	59.52828	73.62234	297.9648	68.22538	1.682476	0.506834	0.000902	0.00747	OK	32.41278	104.038
hsa-miR-1185-5p	0	0	0	0	0	0	0	0	0	0.885362	0	0	0	0	0	0	0	0	3.296522	0	0.209094	1.496488	0.950039	0.115214	NaN	Low	0.109429	0.308759

hsa-miR-1185-2-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.098841	0	0.054942	0.854394	0.6085	0.160289	NaN	Low	0.039133	0.070752
hsa-miR-449c-5p	0	0	0	3.891771	0	0	0	0	4.6983	0	2.164428	0.996036	0	0.376742	0	0	0	0	0	0	0.606364	-0.99945	1.161639	0.389578	NaN	Low	0.808383	0.404344
hsa-miR-449c-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1283	0	0	0	16.86434	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.843217	-0.04495	0.388736	0.907944	NaN	Low	0.856352	0.830082
hsa-miR-769-5p	172.9831	212.8313	415.8879	182.9132	135.6879	113.0726	472.0182	577.6679	291.2946	170.875	425.3102	74.7027	153.3159	100.2133	114.3016	623.021	565.9369	641.5825	924.1251	818.3033	359.3022	1.406356	0.650062	0.030509	0.095802	OK	196.8419	521.7625
hsa-miR-769-3p	0	1.509442	7.426569	3.891771	3.479177	2.569832	0	2.372353	0	0	2.164428	0.996036	0	0	0	1.783457	0	3.968552	7.691886	3.999527	2.092652	1.42707	1.077873	0.185514	NaN	Low	1.134536	3.050767
hsa-miR-766-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-766-3p	0	0	1.485314	0	0	0	0	10.67559	0	0	0	0	0	0	1.478038	1.188971	2.382892	2.645701	4.395363	1.199858	1.272586	0.756019	1.188564	0.524726	NaN	Low	0.946575	1.598598
hsa-miR-378d	0	1.509442	2.970628	1.297257	0	0	1.039688	1.186176	3.523725	2.656087	0	2.988108	1.662862	1.130225	0.985359	1.188971	0	0	0	0	1.106926	-2.43597	1.160265	0.035773	NaN	Low	1.868548	0.345305
hsa-miR-1185-1-3p	0	0	0	0	0	0	0	1.186176	0	0	0	0	0	0.376742	0.492679	0.594486	0	0	49.44784	0.399953	2.624894	5.095742	1.375012	0.000211	NaN	Low	0.14916	5.100627
hsa-miR-762	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-802	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-670-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-670-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1298-5p	0	0	0	0	0	0	0	0	166.7896	0	0	0	0	3.013933	0.492679	0	0	0	0	0	8.514813	-0.20181	0.752169	NaN	NaN	Low	9.109397	7.920228
hsa-miR-1298-3p	0	0	0	0	0	0	0	0	1.174575	0	0	0	0	0	0	0	0	0	0	0	0.058729	-0.1031	0.566727	0.855641	NaN	Low	0.060826	0.056631
hsa-miR-2113	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.399953	0.019998	0.379776	0.404782	0.34813	NaN	Low	0.017381	0.022615
hsa-miR-761	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-764	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-759	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-765	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-770-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-675-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-675-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0	0	0	0	0	0	0.018837	-0.04259	0.37733	0.910127	NaN	Low	0.019115	0.018559
hsa-miR-298	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-891a-5p	0	3.018884	0	0	0	0	1.039688	2.372353	4.6983	0	0	0	0.332572	0	0	9.511772	0	5.291402	5.494204	7.199149	1.947916	1.333014	1.173497	0.255985	NaN	Low	1.106996	2.788837
hsa-miR-891a-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-892a	0	0	0	0	0	0	1.039688	0	1.174575	0	0	0	0	0	0	1.783457	0	0	0	0.799905	0.239881	0.300453	1.102755	0.785271	NaN	Low	0.214993	0.26477
hsa-miR-450b-5p	0	0	5.941255	1.297257	0	2.569832	1.039688	0	1.174575	0	1.082214	2.988108	1.662862	2.260449	0.985359	4.755886	2.382892	6.614253	2.197682	2.399716	1.967601	0.204263	0.894635	0.819398	NaN	Low	1.828543	2.10666
hsa-miR-450b-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-874-5p	0	0	0	0	0	0	0	0	1.174575	2.656087	0	0	0.665145	1.130225	0	2.377943	0	0	2.197682	1.999764	0.610071	1.307798	1.158791	0.259071	NaN	Low	0.351056	0.869086
hsa-miR-874-3p	0	3.018884	0	0	6.958353	0	2.079375	4.744705	5.872875	5.312175	0	0	4.988587	3.767416	1.478038	4.1614	10.72301	9.259954	25.27334	17.99787	5.281799	2.257157	0.873323	0.00975	NaN	Low	1.827458	8.73614
hsa-miR-890	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-891b	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-888-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-888-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-892b	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-541-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.296522	0	0.164826	1.85025	1.549586	0.232467	NaN	Low	0.071576	0.258076
hsa-miR-541-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.296522	0	0.164826	1.85025	1.549586	0.232467	NaN	Low	0.071576	0.258076
hsa-miR-889-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.098841	0	0.054942	0.854394	0.6085	0.160289	NaN	Low	0.039133	0.070752
hsa-miR-889-3p	5.179136	0	0	5.189028	0	5.139665	1.039688	3.558529	2.34915	0.885362	0	3.984144	1.662862	3.013933	3.941436	1.783457	3.574338	0	561.5077	0.399953	30.16042	5.743157	0.977321	4.19E-09	1.03E-06	OK	1.105532	59.2153
hsa-miR-875-5p	0	0	0	0	0	0	0	0	1.174575	0	0	0	0	0	0	0	0	0	0	0	0.058729	-0.1031	0.566727	0.855641	NaN	Low	0.060826	0.056631
hsa-miR-875-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-876-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-876-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.098841	0	0.054942	0.854394	0.6085	0.160289	NaN	Low	0.039133	0.070752
hsa-miR-708-5p	2.071654	18.11331	0	0	0	0	0	1.186176	3.523725	6.197537	1.082214	0	18.62406	1.130225	0.985359	0	202.5458	2.645701	18.68029	5.999291	14.13927	-0.11697	1.191012	NaN	NaN	Outlier	14.71216	13.56638
hsa-miR-708-3p	0	7.547211	0	1.297257	0	0	1.039688	0	0	0.885362	1.082214	0	10.97489	0.376742	0	0	75.0611	0	3.296522	1.199858	5.138042	-0.54509	1.191497	NaN	NaN	Low	6.097304	4.178781
hsa-miR-147b	0	0	0	0	0	0	0	0	0	0.885362	0	0	0	0	0	0	0	0	0	0	0.044268	-0.08502	0.520011	0.870127	NaN	Low	0.045572	0.042964
hsa-miR-190b	0	0	0	2.594514	0	0	1.039688	0	0	0	0	1.992072	3.325724	0.753483	0.492679	3.566914	0	0	2.197682	0	0.798138	0.107649	1.177346	0.927148	NaN	Low	0.768375	0.827901
hsa-miR-744-5p	8.286617	13.58498	26.73565	9.080798	41.75012	20.55866	32.23032	72.35676	51.6813	7.968262	17.31543	9.960359	13.96804	10.92551	46.80455	60.63754	22.63747	19.84276	36.26175	36.79565	27.96913	0.401528	0.66915	0.548469	0.676834	OK	24.1019	31.83635
hsa-miR-744-3p	3.107481	1.509442	2.970628	1.297257	3.479177	2.569832	4.158751	2.372353	4.6983	0	4.328857	2.988108	1.995435	1.506966	4.434115	0.594486	1.191446	1.322851	1.098841	0.799905	2.321211	-1.18485	0.865829	0.171171	NaN	Low	3.224192	1.418231
hsa-miR-885-5p	0	1.509442	1.485314	0	0	0	0	17.79265	0	0	0	10.9564	0.665145	0	0	0	0	0	12.08725	76.39097	6.044358	2.711567	1.644097	0.099092	NaN	Low	1.601085	10.48763
hsa-miR-885-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0	0	0	1.322851	0	0.799905	0.124975	0.640707	0.987982	0.516661	NaN	Low	0.097671	0.152279
hsa-miR-877-5p	0	0	1.485314	0	0	0	0	0	2.34915	0	1.082214	0.996036	0.997717	0.753483	0	4.1614	0	1.322851	7.691886	6.399244	1.361965	2.470414	1.005185	0.013984	NaN	Low	0.416374	2.307555
hsa-miR-877-3p	1.035827	0	1.485314	0	0	0	0	2.372353	1.174575	0	0	0	0	0	0	1.783457	0	0	1.098841	0	0.447518	0.055984	1.186733	0.962374	NaN	Low	0.438836	0.4562
hsa-miR-887-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-887-3p	0	0	0	1.297257	0	0	0	0	1.174575	3.54145	0	0	0	1.130225	0.985359	0	3.574338	2.645701	4.395363	5.599338	1.21718	1.926543	1.089331	0.076968	NaN	Low	0.507007	1.927353
hsa-miR-665	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.296522	0	0.164826	1.85025	1.549586	0.232467	NaN	Low	0.071576	0.258076
hsa-miR-873-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.191446	0	84.61074	41.19513	6.349866	7.72412	0.978824	2.99E-15	NaN	Low	0.05978	12.63995
hsa-miR-873-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15.38377	7.599102	1.149144	5.675948	1.459656	0.000101	NaN	Low	0.044092	2.254195
hsa-miR-543	0	3.018884	0	0	0	0	0	0	0	0	0	0	0	0.753483	0.985359	0	0	0	34.06407	0	1.94109	3.476401	1.653084	0.035468	NaN	Low	0.320044	3.562135
hsa-miR-374b-5p	7.25079	18.11331	4.455941	12.97257	27.83341	46.25698	17.67469	18.97882	15.26947	28.3316	27.05536	18.92468	20.61949	25.61843	21.18522	31.50774	58.38086	92.59954	62.63393	36.79565	29.62292	0.797796	0.633731	0.208071	0.348909	OK	21.63487	37.61098
hsa-miR-374b-3p	1.035827	1.509442	2.970628	1.297257	0	7.709497	1.039688	1.186176	1.174575	5.312175	1.082214	3.984144	2.993152	1.130225	0.985359	0.594486	5.95723	6.614253	5.494204	8.79896	3.043475	1.412443	0.728847	0.052634	NaN	Low	1.662249	4.4247
hsa-miR-760	2.071654	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.098841	1.199858	0.218518	1.213878	1.059762	0.252033	NaN	Low	0.131653	0.305382
hsa-miR-301b-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.399953	0.019998	0.379776	0.404782	0.34813	NaN	Low	0.017381	0.022615
hsa-miR-301b-3p	20.71654	18.11331	17.82377	9.080798	55.66683	15.41899	11.43656	8.303235	21.14235	14.1658	42.20635	7.968287	35.58525	13.93944	13.79502	20.21251	106.0387	41.00837	189.0006	719.9149	69.07688	3.772499	0.696731	6.14E-08	1.21E-05	OK	9.420128	128.7336
hsa-miR-216b-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.322851	24.1745	5.199386	1.534837	5.259971	1.417678	0.000207	NaN	Low	0.078072	2.991602
hsa-miR-216b-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-208b-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-208b-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.395363	0	0.219768	2.185353	1.615944	0.176257	NaN	Low	0.079219	0.360317
hsa-miR-920	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-921	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-922	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-924	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-509-3-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-933	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-934	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-935	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-936	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-937-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-937-3p	0	0	2.970628	2.594514	0	0	0	0	2.34915	0	1.082214	1.992072	0	0	0	1.188971	0	0	0	2.399716	0.728863	0.536649	1.191156	0.65233	NaN	Low	0.594845	0.862882
hsa-miR-938	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-939-5p	0	0	0	0	0	0	0	0	0	0	0	0	0.332572	0	0	0	1.191446	0	0	0	0.076201	-0.23569	0.794938	0.766855	NaN	Low	0.082412	0.06999
hsa-miR-939-3p	0	0	0	0	0	0	0	0	0	0	0	0	0.332572	0	0	0	0	0	0	0	0.016629	-0.0381	0.357845	0.915204	NaN	Low	0.016848	0.016409
hsa-miR-940	0	0	0	0	0	0	0	0	1.174575	0	0	0.996036	1.33029	0.376742	0.492679	0.594486	0	1.322851	9.889567	1.199858	0.868854	2.819685	1.037594	0.006577	NaN	Low	0.215594	1.522114
hsa-miR-941	214.4162	396.9833	372.8138	154.3736	487.0847	195.3073	143.4769	441.2576	414.6249	140.7726	150.4278	538.8554	213.5115	277.2818	386.7534	252.062	332.4134	510.6203	237.3496	194.777	302.7582	-0.50946	0.471897	0.280321	0.428143	OK	355.666	249.8503
hsa-miR-942-5p	1.035827	0	0	0	0	0	0	0	1.174575	0	0	0	0	0	0.492679	0	0	0	1.098841	0	0.190096	0.601006	1.107949	0.587509	NaN	Low	0.151063	0.229129
hsa-miR-942-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-943	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-944	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-297	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1178-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1178-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1179	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1180-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1180-3p	3.107481	15.09442	20.79439	3.891771	13.91671	2.569832	11.43656	36.77147	29.36437	8.853625	6.493285	5.976216	4.323442	5.274382	2.463397	18.42906	25.02037	13.22851	53.8432	82.39026	18.16214	2.21716	0.716826	0.001981	0.012603	OK	6.429333	29.89494
hsa-miR-1181	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1182	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1184	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1225-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1225-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1226-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1226-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0.492679	0.594486	0	1.322851	1.098841	1.599811	0.27427	1.822318	1.181247	0.122902	NaN	Low	0.120917	0.427623
hsa-miR-1227-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1227-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1228-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1228-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1229-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1229-3p	0	0	0	0	0	0	0	0	0	0	1.082214	0	0	0	0	0	0	0	0	2.399716	0.174097	1.248958	0.91821	0.173764	NaN	Low	0.103116	0.245077
hsa-miR-1231	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1233-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1233-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1234-3p	0	0	0	0	0	0	0	0	0	0	0	0	0.332572	0	0	0	0	0	0	0	0.016629	-0.0381	0.357845	0.915204	NaN	Low	0.016848	0.016409
hsa-miR-1236-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1236-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1237-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1237-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.492679	0	0	0	0	0	0.024634	-0.05374	0.421031	0.898444	NaN	Low	0.025093	0.024175
hsa-miR-1238-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1238-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1203	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-663b	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1204	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1206	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1207-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1207-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1208	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548e-5p	0	0	0	1.297257	10.43753	2.569832	0	0	3.523725	0	0	0	0.332572	1.506966	2.956077	2.377943	2.382892	0	1.098841	0.799905	1.464177	-0.33325	1.111962	0.764408	NaN	Low	1.632537	1.295818
hsa-miR-548e-3p	0	0	1.485314	0	3.479177	2.569832	3.119063	0	2.34915	0	1.082214	0	1.995435	0	0.985359	2.377943	1.191446	0	0	2.799669	1.17173	0.404785	1.071348	0.705559	NaN	Low	1.008421	1.335039
hsa-miR-548j-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548j-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1285-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1285-3p	1.035827	0	2.970628	0	10.43753	0	1.039688	0	0	1.770725	1.082214	0.996036	1.662862	1.883708	0.985359	8.3228	0	3.968552	3.296522	1.599811	2.052613	0.243684	0.980247	0.803674	NaN	Low	1.879672	2.225555
hsa-miR-1286	0	0	0	0	0	2.569832	1.039688	0	0	0	0	0	0	0	0	0	0	0	0	1.999764	0.280464	0.976099	1.056484	0.355532	NaN	Low	0.189047	0.371882
hsa-miR-1287-5p	0	1.509442	1.485314	0	0	0	2.079375	1.186176	1.174575	0.885362	0	0	0.332572	2.260449	0	5.944857	7.148676	2.645701	1.098841	1.599811	1.467558	-0.11763	1.066548	0.912178	NaN	Low	1.527354	1.407762
hsa-miR-1287-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1289	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1290	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1291	0	0	0	0	0	0	0	2.372353	0	0.885362	0	0	0	0	0	0	0	0	0	0	0.162886	-0.3119	0.87963	0.722905	NaN	Low	0.180425	0.145347
hsa-miR-548k	8.286617	7.547211	1.485314	9.080798	38.27094	25.69832	10.39688	10.67559	22.31692	15.05116	16.23321	25.89693	20.95206	21.47427	64.54101	43.99194	26.21181	27.77986	40.65711	45.59461	24.10713	0.890387	0.654474	0.173684	0.308007	OK	16.89551	31.31875
hsa-miR-1293	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1294	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1295a	0	0	0	0	0	2.569832	0	0	0	0	0	0	0	0.376742	0	0	0	0	0	0	0.147329	-0.31263	0.879645	0.722286	NaN	Low	0.163229	0.131428
hsa-miR-1297	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1299	0	0	2.970628	0	0	0	0	0	0	0	0	7.968287	0.665145	0	0	0	30.9776	2.645701	0	0.399953	2.281366	-0.79322	1.152057	0.491124	NaN	Low	2.893196	1.669535

hsa-miR-548l	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.188971	0	0	0	0.399953	0.079446	0.205864	0.718565	0.7745	NaN	Low	0.073788	0.085105
hsa-miR-1302	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.399953	0.019998	0.379776	0.404782	0.34813	NaN	Low	0.017381	0.022615
hsa-miR-1303	0	0	0	0	0	0	0	0	0	0.885362	0	0.996036	0.332572	1.130225	0	0	2.382892	1.322851	0	0	0.352497	-1.18958	1.181726	0.314103	NaN	Low	0.490114	0.21488
hsa-miR-1304-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1304-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1305	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.478038	0	0	0	0	1.999764	0.17389	0.84124	0.85862	0.327205	NaN	Low	0.124581	0.223199
hsa-miR-1243	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548f-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548f-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1244	0	0	1.485314	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.074266	-0.11896	0.603289	0.843685	NaN	Low	0.077326	0.071206
hsa-miR-1245a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1246	0	1.509442	11.88251	0	0	0	0	9.489411	1.174575	0	0	0	1.662862	0	0	0.594486	5.95723	11.90566	31.86638	4.39948	4.022102	1.880975	1.174161	0.109161	NaN	Low	1.717658	6.326545
hsa-miR-1247-5p	0	0	4.455941	0	0	0	0	1.186176	1.174575	0.885362	0	0	0	0	0	0	0	1.322851	4.395363	0.399953	0.691011	1.35241	1.190241	0.255853	NaN	Low	0.388931	0.993091
hsa-miR-1247-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1248	2.071654	0	0	0	3.479177	0	0	2.372353	0	0	1.082214	0	0	0	0	0.594486	0	2.645701	0	0	0.612279	-1.20168	1.182213	0.309406	NaN	Low	0.853489	0.371069
hsa-miR-1249-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1249-3p	0	0	1.485314	0	0	0	0	1.186176	1.174575	1.770725	1.082214	0.996036	0.997717	0.753483	1.478038	0	2.382892	0	1.098841	0.399953	0.740298	-0.22348	1.046275	0.830864	NaN	Low	0.797521	0.683075
hsa-miR-1250-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1250-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1251-5p	0	0	0	0	0	0	0	2.372353	0	0	1.082214	0	2.328007	0	5.419474	4.755886	0	3.968552	4.395363	51.99386	3.815785	3.197203	1.155551	0.005661	NaN	Low	0.750268	6.881302
hsa-miR-1251-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1253	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1254	0	0	0	0	0	0	0	0	0	0	0	0	0.332572	0	0	0	0	0	0	0	0.016629	-0.0381	0.357845	0.915204	NaN	Low	0.016848	0.016409
hsa-miR-1255a	0	0	0	0	0	0	14.55563	0	0	0	10.82214	3.984144	0	6.027865	5.419474	4.755886	2.382892	2.645701	5.494204	1.199858	2.86439	0.106578	1.162338	0.926942	NaN	Low	2.758636	2.970144
hsa-miR-1256	2.071654	0	1.485314	0	3.479177	0	0	0	1.174575	0	0	0	0	0	0.492679	0	0	0	0	0	0.43517	-0.9719	1.158203	0.401388	NaN	Low	0.576447	0.293893
hsa-miR-1257	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1258	0	0	0	0	3.479177	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.173959	-0.18649	0.727477	0.797677	NaN	Low	0.185187	0.162731
hsa-miR-1260a	0	0	1.485314	0	0	0	0	0	0	0	0	0	0.332572	0	0.492679	0	0	0	0	0	0.115528	-0.44807	0.984441	0.649003	NaN	Low	0.133326	0.097731
hsa-miR-548g-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548g-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1261	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1262	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1263	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548n	0	0	0	0	0	0	0	0	0	0	0	0.996036	0	0	0	0.594486	1.191446	0	2.197682	0.799905	0.288978	1.766091	1.193237	0.138851	NaN	Low	0.131314	0.446641
hsa-miR-548m	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1265	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548o-3p	0	1.509442	2.970628	3.891771	24.35424	0	5.198438	1.186176	0	0.885362	3.246643	1.992072	6.318876	6.404607	6.897512	3.566914	11.91446	3.968552	5.494204	10.79872	5.029931	0.775888	0.848311	0.360388	NaN	Low	3.709056	6.350806
hsa-miR-1266-5p	1.035827	0	0	0	3.479177	0	1.039688	1.186176	2.34915	0.885362	1.082214	0	0	0	0.985359	0.594486	3.574338	1.322851	1.098841	0.799905	0.971669	0.072143	1.047964	0.945116	NaN	Low	0.947379	0.995958
hsa-miR-1266-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1267	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1268a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1269a	5.179136	1.509442	0	6.486284	0	0	0	0	1.174575	23.90479	1.082214	4.98018	0	1.130225	0	0	1.191446	22.48846	176.9134	93.18899	16.96146	3.685486	1.411898	0.009046	0.039882	OK	2.44649	31.47642
hsa-miR-1270	0	0	0	0	0	0	0	0	0	0	0	0	1.662862	0	0	0	0	0	1.098841	1.599811	0.218076	1.275237	1.05102	0.225003	NaN	Low	0.127515	0.308636
hsa-miR-1272	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1273a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548h-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.492679	0	0	0	0	0	0.024634	-0.05374	0.421031	0.898444	NaN	Low	0.025093	0.024175
hsa-miR-548h-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1275	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1276	0	0	1.485314	0	0	0	0	0	0	0	0	0	0	0	0	0.594486	0	0	0	0	0.10399	-0.2703	0.836148	0.746496	NaN	Low	0.113703	0.094277
hsa-miR-302e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-302f	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1277-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1277-3p	1.035827	0	0	0	0	0	0	0	0	0	2.164428	0	0.332572	0.376742	0.492679	0.594486	0	0	0	0.399953	0.269834	-0.17618	1.192889	0.882589	NaN	Low	0.286289	0.253379
hsa-miR-548p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548i	0	0	0	1.297257	0	0	0	2.372353	0	0	0	0	0	1.130225	0	0	0	0	3.296522	0.799905	0.444813	1.525694	1.19084	0.200126	NaN	Low	0.229329	0.660297
hsa-miR-1278	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.098841	0	0.054942	0.854394	0.6085	0.160289	NaN	Low	0.039133	0.070752
hsa-miR-1279	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1281	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1282	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1284	0	0	0	1.297257	3.479177	0	1.039688	0	0	0	0	0	0	0.753483	0	1.188971	1.191446	0	0	0	0.447501	-1.19409	1.182052	0.312406	NaN	Low	0.6228	0.272202
hsa-miR-1288-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1288-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1292-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1292-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1252-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.999764	0.099988	1.411663	1.419114	0.319858	NaN	Low	0.054632	0.145345
hsa-miR-1252-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1255b-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.191446	0	0	0	0.059572	-0.10403	0.568974	0.854923	NaN	Low	0.061719	0.057425
hsa-miR-1255b-2-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-664a-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-664a-3p	4.143309	9.056653	2.970628	2.594514	10.43753	20.55866	22.87313	11.86176	9.396599	54.89247	35.71307	29.88108	13.96804	26.37191	27.59005	20.21251	38.12627	19.84276	13.18609	32.79612	20.32366	0.181453	0.702341	0.796134	0.869311	OK	19.04725	21.60006
hsa-miR-1306-5p	0	0	0	0	0	2.569832	0	2.372353	1.174575	0	2.164428	0	0.332572	0.753483	0.492679	0	1.191446	1.322851	4.395363	3.999527	1.038456	2.253835	0.941139	0.01663	NaN	Low	0.359982	1.716929
hsa-miR-1306-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1307-5p	288.9958	48.30215	105.4573	70.05187	24.35424	12.84916	193.3819	34.39911	88.09312	57.54856	88.74157	51.79387	184.5777	63.66933	144.8478	294.2704	73.86966	44.97692	83.5119	164.3806	105.9036	0.224987	0.718987	0.75434	0.838533	OK	97.66255	114.1447
hsa-miR-1307-3p	25.89568	9.056653	10.3972	10.37806	3.479177	2.569832	11.43656	15.42029	9.396599	1.770725	6.493285	4.98018	12.30518	8.288315	7.882871	34.48017	9.531568	13.22851	21.97682	20.79754	11.98826	0.853932	0.628737	0.17441	0.308482	OK	8.540411	15.43611
hsa-miR-513b-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-513b-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-513c-5p	0	0	0	0	0	0	0	0	1.174575	0	0	0	0	0	0	0	0	0	0	0.399953	0.078726	0.259157	0.733564	0.723875	NaN	Low	0.071674	0.085778
hsa-miR-513c-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1321	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1322	0	0	0	0	0	0	0	1.186176	0	0	0	0	0	0.376742	0	1.188971	0	0	0	2.799669	0.277578	1.447188	1.155333	0.210346	NaN	Low	0.148965	0.406191
hsa-miR-1197	1.035827	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.594486	0	0	103.291	0	5.246068	5.567237	1.593926	0.000478	NaN	Low	0.216718	10.27542
hsa-miR-1324	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1469	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1470	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1471	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1537-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1537-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1538	0	3.018884	0	0	0	0	0	2.372353	0	0	0	0	0	0	0	0	0	0	0	0	0.269562	-0.35247	0.916346	0.700499	NaN	Low	0.302328	0.236796
hsa-miR-1539	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-103b	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-320d	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0	1.188971	0	0	0	0.399953	0.098283	0.237127	0.932704	0.799313	NaN	Low	0.090224	0.106342
hsa-miR-1825	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1827	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1908-5p	0	0	1.485314	0	0	0	0	0	0	0	0	0	0	0	0	0.594486	0	0	2.197682	1.199858	0.273867	2.051371	1.184674	0.083346	NaN	Low	0.10646	0.441274
hsa-miR-1908-3p	0	0	1.485314	0	0	0	0	0	1.174575	0	0	0	0	0	0	0.594486	1.191446	0	1.098841	0.399953	0.297231	0.854048	1.19332	0.474182	NaN	Low	0.211736	0.382726
hsa-miR-1909-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1909-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1910-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.399953	0.019998	0.379776	0.404782	0.34813	NaN	Low	0.017381	0.022615
hsa-miR-1910-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1911-5p	0	0	0	0	0	0	0	0	2.34915	0	0	0	0	0.376742	0	0	0	0	0	0	0.136295	-0.29745	0.865262	0.731019	NaN	Low	0.150295	0.122294
hsa-miR-1911-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1912	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1913	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1914-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1914-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1915-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1915-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-2052	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-2053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-2054	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-2110	1.035827	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0.985359	0	0	0	0	0	0.119896	-0.46059	0.992354	0.642549	NaN	Low	0.138874	0.100918
hsa-miR-2114-5p	3.107481	0	0	7.783541	0	2.569832	8.317501	0	0	3.54145	0	0	0	0.753483	0	5.944857	1.191446	2.645701	3.296522	0.399953	1.977588	-0.1256	1.149423	0.912988	NaN	Low	2.063617	1.89156
hsa-miR-2114-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-2115-5p	0	0	0	0	0	0	0	0	0	0	0	0	0.332572	0	0	0.594486	0	0	0	0.399953	0.066351	0.391965	0.900044	0.663203	NaN	Low	0.057392	0.075309
hsa-miR-2115-3p	0	0	0	0	0	0	0	0	0	0	0	0.996036	0	0	0	2.377943	0	0	0	0	0.168699	-0.31423	0.882014	0.721642	NaN	Low	0.186999	0.150399
hsa-miR-2116-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-2116-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-2117	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548q	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-2276-5p	0	0	0	0	0	0	0	0	1.174575	0	0	0	0	0	0.985359	0	1.191446	0	0	0	0.167569	-0.49945	1.014734	0.622578	NaN	Low	0.196288	0.13885
hsa-miR-2276-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.399953	0.019998	0.379776	0.404782	0.34813	NaN	Low	0.017381	0.022615
hsa-miR-2277-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0.492679	1.188971	1.191446	1.322851	2.197682	6.399244	0.658481	2.901217	1.100597	0.008388	NaN	Low	0.155475	1.161486
hsa-miR-2277-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.399953	0.019998	0.379776	0.404782	0.34813	NaN	Low	0.017381	0.022615
hsa-miR-2278	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-2681-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-2681-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.098841	0	0.054942	0.854394	0.6085	0.160289	NaN	Low	0.039133	0.070752
hsa-miR-2682-5p	0	0	0	0	0	0	0	0	0	0.885362	0	0	8.646884	0	0	0	1.191446	0	0	0.399953	0.556182	-0.35623	1.075992	0.740587	NaN	Low	0.624503	0.487862
hsa-miR-2682-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-711	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-718	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-2861	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-2909	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3115	0	0	0	0	0	0	1.039688	0	0	0	0	0	0	0	0	0	0	0	0	0.799905	0.09198	0.541997	0.77805	0.486047	NaN	Low	0.074902	0.109057
hsa-miR-3116	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.191446	0	0	0.399953	0.07957	0.257627	0.735124	0.725998	NaN	Low	0.072484	0.086656
hsa-miR-3117-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3117-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3119	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3120-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3120-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3121-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3121-3p	0	0	0	0	0	0	0	0	0	0	0	0.996036	0	0	0	0.594486	0	0	0	0	0.079526	-0.24039	0.800978	0.764083	NaN	Low	0.086136	0.072916
hsa-miR-3122	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3123	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3124-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3124-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN

hsa-miR-548s	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3126-5p	0	0	0	0	0	0	0	0	1.174575	0	0	0	0	0	0	0	0	0	0	0.399953	0.078726	0.259157	0.733564	0.723875	NaN	Low	0.071674	0.085778
hsa-miR-3126-3p	0	0	0	0	0	0	0	1.186176	0	0	0	0	0	0	0	0	0	0	0	0	0.059309	-0.10374	0.56828	0.855145	NaN	Low	0.06144	0.057177
hsa-miR-3127-5p	1.035827	0	0	0	0	2.569832	0	0	1.174575	0	0	0	0	0	0	0.594486	0	1.322851	1.098841	1.199858	0.449813	1.221713	1.174328	0.298177	NaN	Low	0.269977	0.62965
hsa-miR-3127-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3128	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3129-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3129-3p	0	0	0	0	0	0	0	0	0	0.885362	0	0	0	0	0	0	0	1.322851	0	0	0.110411	-0.27561	0.842098	0.743453	NaN	Low	0.120925	0.099896
hsa-miR-3130-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3130-3p	0	0	0	0	0	0	0	0	0	0	0	0	0.332572	0	0	0	0	0	0	0	0.016629	-0.0381	0.357845	0.915204	NaN	Low	0.016848	0.016409
hsa-miR-3131	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3132	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3133	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-378b	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3134	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.985359	0	0	0	0	0	0.049268	-0.08851	0.529753	0.867301	NaN	Low	0.050779	0.047757
hsa-miR-3135a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-466	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3136-5p	0	0	0	0	0	0	0	0	0	0.885362	0	0	0	0	0.492679	0	0	0	0	0	0.068902	-0.22463	0.780722	0.773557	NaN	Low	0.074255	0.063549
hsa-miR-3136-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-544b	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3137	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3138	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3139	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.399953	0.019998	0.379776	0.404782	0.34813	NaN	Low	0.017381	0.022615
hsa-miR-3140-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3140-3p	0	0	0	0	0	0	0	0	0	0	0	0.996036	0	0	0	0	0	0	1.098841	0	0.104744	0.641303	0.799489	0.422471	NaN	Low	0.08184	0.127648
hsa-miR-548t-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.191446	0	0	0	0.059572	-0.10403	0.568974	0.854923	NaN	Low	0.061719	0.057425
hsa-miR-548t-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3141	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3142	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3143	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548u	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3144-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3144-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3145-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3145-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1273c	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3146	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3147	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548v	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3148	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3149	0	0	0	0	0	0	0	0	0	0	0	0.996036	0	0	0	0	0	0	0	0	0.049802	-0.09234	0.539652	0.864137	NaN	Low	0.051395	0.048209
hsa-miR-3150a-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3150a-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3151-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3151-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3152-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3152-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3153	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3074-5p	0	0	0	0	0	0	0	1.186176	0	0	1.082214	0	0	0	0	0	0	0	0	0	0.11342	-0.27803	0.844761	0.742063	NaN	Low	0.124315	0.102524
hsa-miR-3074-3p	0	0	0	0	0	0	0	0	0	0.885362	0	0	0	0	0	0	1.191446	0	2.197682	0.399953	0.233722	1.608769	1.162048	0.166228	NaN	Low	0.115421	0.352024
hsa-miR-3154	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3155a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3156-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3156-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3157-5p	0	0	0	0	0	0	0	0	0	0	0	0.996036	0	0	0	0.594486	0	0	0	0	0.079526	-0.24039	0.800978	0.764083	NaN	Low	0.086136	0.072916
hsa-miR-3157-3p	0	0	1.485314	0	0	0	0	0	1.174575	0	0	0.996036	0	0	0	1.188971	0	0	0	0	0.242245	-0.73145	1.107507	0.508969	NaN	Low	0.302371	0.182118
hsa-miR-3158-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3158-3p	1.035827	1.509442	2.970628	1.297257	0	0	0	0	0	0	0	1.992072	1.33029	0.376742	0.492679	1.783457	3.574338	0	0	0.399953	0.838134	-1.12744	1.132436	0.319451	NaN	Low	1.149919	0.52635
hsa-miR-3159	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3160-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3160-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.492679	0	0	0	0	0	0.024634	-0.05374	0.421031	0.898444	NaN	Low	0.025093	0.024175
hsa-miR-3161	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3162-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3162-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3163	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3164	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3166	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1260b	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3167	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3169	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3170	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3171	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3173-5p	0	1.509442	1.485314	0	0	0	0	2.372353	0	0	0	0	0	0.753483	0	0.594486	0	2.645701	0	0	0.468039	-1.20785	1.182811	0.307173	NaN	Low	0.65327	0.282808
hsa-miR-3173-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1193	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-323b-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-323b-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.296522	0	0.164826	1.85025	1.549586	0.232467	NaN	Low	0.071576	0.258076
hsa-miR-3174	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.199858	0.059993	0.966206	1.230192	0.432213	NaN	Low	0.040622	0.079364
hsa-miR-3175	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3176	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3177-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3177-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.492679	1.188971	0	0	0	1.599811	0.164073	0.967931	1.020345	0.342809	NaN	Low	0.111009	0.217137
hsa-miR-3178	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3179	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3180-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3180-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.322851	0	0	0.066143	-0.11096	0.585315	0.849637	NaN	Low	0.068685	0.0636
hsa-miR-548w	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3181	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3182	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3184-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3184-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3185	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3065-5p	6.214963	1.509442	0	0	0	0	2.079375	4.744705	1.174575	0	0	0	1.662862	0.376742	2.956077	18.42906	5.95723	3.968552	4.395363	3.599575	2.853426	0.345043	1.074647	0.748153	NaN	Low	2.513823	3.193029
hsa-miR-3065-3p	11.3941	3.018884	0	2.594514	0	2.569832	9.357189	16.60647	7.04745	6.197537	2.164428	1.992072	5.653732	1.130225	20.19986	55.88166	8.340122	9.259954	8.790727	11.99858	9.209867	0.129256	0.932685	0.889778	NaN	Low	8.79757	9.622163
hsa-miR-3186-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3186-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3187-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3187-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3188	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3189-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3189-3p	0	0	0	0	3.479177	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.173959	-0.18649	0.727477	0.797677	NaN	Low	0.185187	0.162731
hsa-miR-320e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3190-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3190-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3191-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3191-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3192-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3192-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3193	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3194-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.098841	0	0.054942	0.854394	0.6085	0.160289	NaN	Low	0.039133	0.070752
hsa-miR-3194-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3195	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548x-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548x-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.322851	0	0	0.066143	-0.11096	0.585315	0.849637	NaN	Low	0.068685	0.0636
hsa-miR-3197	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3198	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3199	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3200-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3200-3p	2.071654	0	1.485314	0	3.479177	0	1.039688	0	2.34915	1.770725	1.082214	0	1.33029	1.130225	0.492679	1.188971	1.191446	3.968552	7.691886	13.19844	2.173521	2.879911	0.698071	0.000037	NaN	Low	0.519916	3.827125
hsa-miR-3201	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-514b-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-514b-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1273d	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4295	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4296	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4297	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-378c	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4293	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4294	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4301	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4299	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4298	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4304	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4302	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4303	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4305	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4306	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4309	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4307	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4308	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4310	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4311	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN

hsa-miR-4312	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4313	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4315	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4316	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4314	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4318	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4319	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4320	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4317	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4322	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4321	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4323	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4324	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4256	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4257	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4258	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4259	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4260	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4253	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4251	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4254	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4255	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4252	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4325	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4326	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4327	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4261	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4265	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4266	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4267	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4262	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-2355-5p	0	0	0	0	0	0	0	1.186176	1.174575	0	0	0	0	0.376742	0	0.594486	0	0	0	0.399953	0.186597	0.113054	1.159308	0.922315	NaN	Low	0.179289	0.193904
hsa-miR-2355-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.191446	0	0	0	0.059572	-0.10403	0.568974	0.854923	NaN	Low	0.061719	0.057425
hsa-miR-4268	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4269	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4263	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4264	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4270	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4271	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4272	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4273	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4276	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4275	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4274	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4281	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4277	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4279	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4278	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4280	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4282	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4285	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4283	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4284	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4286	2.071654	9.056653	5.941255	3.891771	6.958353	0	11.43656	21.35117	2.34915	4.426812	2.164428	19.92072	3.990869	0.376742	3.448756	0.594486	1.191446	5.291402	10.98841	2.399716	5.892518	0.139167	0.89778	0.876812	NaN	Low	5.608533	6.176503
hsa-miR-4287	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4288	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4292	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4289	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4290	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4291	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4329	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4330	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-500b-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-500b-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4328	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3605-5p	0	0	0	0	3.479177	0	0	0	0	0	1.082214	0	0	0	0	1.188971	1.191446	1.322851	1.098841	1.999764	0.568163	1.375276	1.171947	0.240597	NaN	Low	0.316158	0.820169
hsa-miR-3605-3p	0	3.018884	7.426569	5.189028	0	0	1.039688	1.186176	1.174575	0	0	0	0	1.506966	0.985359	1.188971	2.382892	1.322851	2.197682	2.399716	1.550968	0.54834	1.01127	0.587661	NaN	Low	1.259719	1.842216
hsa-miR-3606-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3606-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3607-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3607-3p	1.035827	3.018884	7.426569	1.297257	10.43753	2.569832	8.317501	17.79265	3.523725	12.39507	21.64428	5.976216	5.321159	15.06966	4.926795	9.511772	19.06314	7.937103	9.889567	9.198913	8.817673	0.099392	0.693739	0.886077	NaN	Low	8.514054	9.121292
hsa-miR-3609	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.594486	0	0	0	0	0.029724	-0.06276	0.452604	0.889716	NaN	Low	0.030371	0.029078
hsa-miR-3610	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3611	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3612	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3613-5p	1.035827	0	0	0	0	5.139665	0	0	1.174575	0.885362	2.164428	0	0	1.506966	0.492679	2.377943	0	0	4.395363	3.199622	1.118622	1.739831	1.03438	0.092568	NaN	Low	0.515498	1.721745
hsa-miR-3613-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3614-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0	0	0	0	0	0	0.018837	-0.04259	0.37733	0.910127	NaN	Low	0.019115	0.018559
hsa-miR-3614-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3615	2.071654	0	2.970628	10.37806	0	0	0	2.372353	0	0.885362	0	0.996036	0.665145	0.376742	0.985359	1.783457	0	0	3.296522	1.599811	1.419056	0.642235	1.052789	0.541841	NaN	Low	1.108315	1.729797
hsa-miR-3616-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3616-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3617-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3617-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3618	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3619-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.594486	0	0	0	0.399953	0.049722	0.330164	0.663682	0.618855	NaN	Low	0.044057	0.055387
hsa-miR-3619-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0	0	0	0	0	0	0.018837	-0.04259	0.37733	0.910127	NaN	Low	0.019115	0.018559
hsa-miR-23c	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3620-5p	0	0	0	0	0	0	0	0	2.34915	0	0	0	0	0	0	0	0	0	0	0	0.117457	-0.14864	0.663598	0.822762	NaN	Low	0.123503	0.111412
hsa-miR-3620-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0.492679	0	0	0	0	0.399953	0.063469	0.400033	0.894549	0.654739	NaN	Low	0.054725	0.072212
hsa-miR-3621	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3622a-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3622a-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3622b-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3622b-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3646	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3648	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3649	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3650	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3651	5.179136	6.037769	1.485314	2.594514	0	2.569832	4.158751	2.372353	2.34915	1.770725	8.657714	1.992072	1.662862	0	2.956077	0	1.191446	2.645701	2.197682	0.399953	2.511052	-0.98142	0.944665	0.298846	NaN	Low	3.333669	1.688436
hsa-miR-3652	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3653-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3653-3p	0	0	0	2.594514	0	0	1.039688	0	1.174575	0	0	1.992072	0.665145	0	1.478038	0.594486	0	0	1.098841	0	0.531868	-0.21241	1.177081	0.856793	NaN	Low	0.570952	0.492784
hsa-miR-3654	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3655	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3656	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3657	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3658	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1273e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3659	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3660	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.197682	0.399953	0.129882	2.332183	1.692763	0.168284	NaN	Low	0.043038	0.216725
hsa-miR-3661	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.594486	0	0	0	0	0.029724	-0.06276	0.452604	0.889716	NaN	Low	0.030371	0.029078
hsa-miR-3662	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3663-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3663-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3664-5p	0	0	0	0	0	0	0	0	0	0	0	0.996036	0	0	0.492679	0	0	0	0	0	0.074436	-0.23317	0.791823	0.768401	NaN	Low	0.080438	0.068434
hsa-miR-3664-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.985359	0	0	0	0	0	0.049268	-0.08851	0.529753	0.867301	NaN	Low	0.050779	0.047757
hsa-miR-3665	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3666	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3667-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3667-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.399953	0.019998	0.379776	0.404782	0.34813	NaN	Low	0.017381	0.022615
hsa-miR-3668	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3670	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3671	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3672	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3674	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3675-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3675-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3677-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3677-3p	0	3.018884	5.941255	5.189028	0	0	0	2.372353	2.34915	1.770725	6.493285	0	0.997717	0.376742	0.985359	1.188971	2.382892	0	5.494204	0.799905	1.968024	0.547892	0.970291	0.5723	NaN	Low	1.598753	2.337294
hsa-miR-3678-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3678-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3679-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3679-3p	1.035827	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.051791	-0.09484	0.546131	0.86213	NaN	Low	0.053493	0.05009
hsa-miR-3680-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3680-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3681-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.322851	0	0	0.066143	-0.11096	0.585315	0.849637	NaN	Low	0.068685	0.0636
hsa-miR-3681-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3682-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3682-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3683	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3684	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3685	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0	0.594486	0	0	0	0.399953	0.068559	0.380546	0.903475	0.673607	NaN	Low	0.059569	0.077549
hsa-miR-3686	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3687	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3688-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3688-3p	0	0	0	1.297257	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.064863	-0.10965	0.58227	0.850631	NaN	Low	0.067327	0.062399
hsa-miR-3689a-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3689a-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN

hsa-miR-3690	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3691-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3691-3p	0	0	0	1.297257	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.064863	-0.10965	0.58227	0.850631	NaN	Low	0.067327	0.062399
hsa-miR-3692-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3692-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3713	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3714	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3907	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3689b-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3689b-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3908	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3909	2.071654	4.528326	0	5.189028	6.958353	2.569832	4.158751	0	9.396599	1.770725	4.328857	7.968287	4.656014	3.767416	5.912153	4.1614	7.148676	6.614253	4.395363	5.999291	4.579749	0.229324	0.613178	0.708409	NaN	Low	4.216525	4.942973
hsa-miR-3910	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3911	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3912-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3912-3p	0	0	0	0	0	0	1.039688	0	0	0	0	0	1.662862	0.376742	0.985359	1.188971	0	0	5.494204	0.399953	0.557389	1.892007	1.158304	0.102379	NaN	Low	0.236607	0.878171
hsa-miR-3913-5p	0	1.509442	0	0	0	0	0	0	0	1.770725	0	1.992072	0	0	0.492679	0	2.382892	0	2.197682	0.399953	0.537272	0.821387	1.188414	0.489463	NaN	Low	0.388328	0.686216
hsa-miR-3913-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3914	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3915	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3916	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.492679	0	0	0	0	0	0.024634	-0.05374	0.421031	0.898444	NaN	Low	0.025093	0.024175
hsa-miR-3917	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3918	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.492679	0	0	0	0	0	0.024634	-0.05374	0.421031	0.898444	NaN	Low	0.025093	0.024175
hsa-miR-3919	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3150b-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3150b-3p	0	0	0	0	0	0	0	0	4.6983	0	0	0	0	0	0	0	0	0	0	0	0.234915	-0.19376	0.739329	0.79326	NaN	Low	0.250667	0.219163
hsa-miR-3920	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3921	0	0	0	0	0	2.569832	2.079375	0	0	0	0	0	0	0	0	0	0	0	0	0	0.23246	-0.34525	0.909997	0.704395	NaN	Low	0.260143	0.204778
hsa-miR-3922-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3922-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3923	0	0	0	0	0	0	0	0	0	0	0	0.996036	0	0	0	0	0	0	0	0	0.049802	-0.09234	0.539652	0.864137	NaN	Low	0.051395	0.048209
hsa-miR-3924	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3925-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0	0	0	0	0	0	0.018837	-0.04259	0.37733	0.910127	NaN	Low	0.019115	0.018559
hsa-miR-3925-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3926	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3927-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3927-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-676-5p	0	0	0	0	0	0	0	1.186176	0	0	4.328857	0.996036	0.665145	0	0	0	0	0	0	0	0.358811	-0.77307	1.118653	0.48952	NaN	Low	0.452709	0.264912
hsa-miR-676-3p	0	1.509442	5.941255	0	6.958353	0	1.039688	4.744705	1.174575	0	2.164428	2.988108	0	0	0.492679	0	1.191446	1.322851	0	0	1.476377	-2.05211	1.181911	0.082517	NaN	Low	2.379081	0.573672
hsa-miR-3928-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3928-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0	0	0	0	0	0.399953	0.038835	0.371837	0.621712	0.549783	NaN	Low	0.033858	0.043812
hsa-miR-3929	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.296522	0.799905	0.204821	2.968893	1.721731	0.084642	NaN	Low	0.046396	0.363247
hsa-miR-3934-5p	0	0	0	0	0	0	0	0	0	0	0	0	0.332572	0	0	0	0	0	1.098841	0.399953	0.091568	1.514687	1.028477	0.140819	NaN	Low	0.047477	0.13566
hsa-miR-3934-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.399953	0.019998	0.379776	0.404782	0.34813	NaN	Low	0.017381	0.022615
hsa-miR-3935	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3936	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3937	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3938	0	0	0	0	0	0	0	1.186176	0	0	0	0	0	0	0	0	0	3.968552	5.494204	0.799905	0.572442	1.652323	1.153782	0.152117	NaN	Low	0.276315	0.868568
hsa-miR-548y	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.395363	0	0.219768	2.185353	1.615944	0.176257	NaN	Low	0.079219	0.360317
hsa-miR-3939	0	0	1.485314	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.098841	0.799905	0.169203	1.484521	1.089251	0.172919	NaN	Low	0.089095	0.249311
hsa-miR-3940-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3940-3p	0	0	0	0	0	0	0	1.186176	0	0	0	0	0	0	0	1.188971	1.191446	0	1.098841	0.399953	0.253269	0.833432	1.177167	0.478946	NaN	Low	0.182082	0.324456
hsa-miR-3941	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3942-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3942-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3943	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3944-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3944-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3945	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-374c-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-374c-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-642b-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-642b-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-550b-2-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-550b-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548z	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548aa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548o-5p	0	0	0	0	0	0	1.039688	0	0	0	0	0	0	0	0	0	0	0	0	0	0.051984	-0.09508	0.546745	0.861939	NaN	Low	0.053697	0.050272
hsa-miR-1268b	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-378e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548ab	0	0	0	0	0	2.569832	0	0	0	0	0	0	0	0.376742	0	0	0	0	0	0	0.147329	-0.31263	0.879645	0.722286	NaN	Low	0.163229	0.131428
hsa-miR-4417	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4418	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4419a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-378f	0	0	0	0	0	0	0	1.186176	0	0	0	0	0	0	0	0	0	0	0	0	0.059309	-0.10374	0.56828	0.855145	NaN	Low	0.06144	0.057177
hsa-miR-4420	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4421	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4422	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4423-5p	0	0	0	0	0	0	0	1.186176	0	0	0	0	0	0	0	1.188971	0	0	2.197682	0	0.228641	0.962024	1.028498	0.349599	NaN	Low	0.155114	0.302169
hsa-miR-4423-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-378g	1.035827	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.051791	-0.09484	0.546131	0.86213	NaN	Low	0.053493	0.05009
hsa-miR-548ac	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4424	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4425	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4426	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4427	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4428	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4429	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4430	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548ad-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.188971	0	0	0	0	0.059449	-0.10104	0.561935	0.85731	NaN	Low	0.061529	0.057368
hsa-miR-548ad-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4431	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4432	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4433a-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4433a-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4434	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4435	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.594486	0	0	0	0	0.029724	-0.06276	0.452604	0.889716	NaN	Low	0.030371	0.029078
hsa-miR-4436a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4437	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548ae-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548ae-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.098841	0	0.054942	0.854394	0.6085	0.160289	NaN	Low	0.039133	0.070752
hsa-miR-4438	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4439	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4440	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.799905	0.039995	0.695474	0.545935	0.202694	NaN	Low	0.030538	0.049453
hsa-miR-4441	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4442	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4444	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4445-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4445-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4446-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4446-3p	0	1.509442	0	0	3.479177	0	0	1.186176	0	0	0	0	0	0	0	0	0	10.5828	1.098841	0	0.892822	-0.22285	1.121915	0.842549	NaN	Low	0.961642	0.824002
hsa-miR-4447	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4448	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4449	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548ag	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4450	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548ah-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548ah-3p	0	0	0	0	0	5.139665	0	0	0	0	0	0.996036	0.332572	0	24.14129	12.4842	0	0	0	0.799905	2.194684	-0.66575	1.151232	0.563066	NaN	Low	2.692267	1.6971
hsa-miR-4451	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4452	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4453	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4454	1.035827	0	0	2.594514	3.479177	0	2.079375	0	4.6983	0	0	0	0	0	0.492679	0	0	1.322851	0	0	0.785136	-1.38213	1.190819	0.245782	NaN	Low	1.134876	0.435397
hsa-miR-4455	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4456	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4457	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4458	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4459	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4460	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4461	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-378h	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3135b	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4462	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4463	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4464	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548ai	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.399953	0.019998	0.379776	0.404782	0.34813	NaN	Low	0.017381	0.022615
hsa-miR-548aj-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548aj-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4465	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4466	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4467	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4468	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4469	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4470	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4471	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4472	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4473	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.594486	1.191446	0	0	0.399953	0.109294	0.261489	0.948312	0.782746	NaN	Low	0.099416	0.119172
hsa-miR-4474-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN

hsa-miR-4474-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4475	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4476	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4477a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4477b	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4478	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3689c	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3689d	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3689e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3689f	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4479	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3155b	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548ak	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4480	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4481	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4482-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4482-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4483	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4484	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4485-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4485-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4486	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4487	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4488	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4489	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548al	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4490	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4491	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4492	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4493	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4494	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4495	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4496	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4497	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4498	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4419b	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4499	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4501	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4502	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4503	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4504	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4505	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4506	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-2392	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4507	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4508	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4509	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4510	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4511	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.399953	0.019998	0.379776	0.404782	0.34813	NaN	Low	0.017381	0.022615
hsa-miR-4512	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4513	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4514	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4515	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4516	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4517	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4518	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4519	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4520-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4520-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4521	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1269b	6.214963	0	0	1.297257	0	2.569832	0	0	1.174575	0	0	0	0	0.376742	0	0	8.340122	7.937103	0	18.79778	2.335419	1.518838	1.1934	0.203125	NaN	Low	1.208308	3.462529
hsa-miR-4522	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4523	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.594486	0	0	0	0	0.029724	-0.06276	0.452604	0.889716	NaN	Low	0.030371	0.029078
hsa-miR-4524a-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4524a-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4525	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4526	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.594486	0	0	0	0	0.029724	-0.06276	0.452604	0.889716	NaN	Low	0.030371	0.029078
hsa-miR-4527	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4528	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.594486	0	0	0	0	0.029724	-0.06276	0.452604	0.889716	NaN	Low	0.030371	0.029078
hsa-miR-4529-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4529-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4530	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4531	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4532	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4533	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4534	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-378i	0	0	1.485314	0	0	0	0	0	0	0.885362	0	1.992072	0	0	0	0	1.191446	0	0	0	0.27771	-0.7374	1.109162	0.506159	NaN	Low	0.347177	0.208243
hsa-miR-4535	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548am-5p	0	0	0	0	0	0	0	0	0	0	0	0	0.332572	0	0	0	0	0	0	0	0.016629	-0.0381	0.357845	0.915204	NaN	Low	0.016848	0.016409
hsa-miR-548am-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1587	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4536-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4536-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548an	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4537	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4538	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4539	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4540	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3960	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4632-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4632-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4633-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4633-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4634	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4635	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4636	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4637	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4638-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.322851	0	0	0.066143	-0.11096	0.585315	0.849637	NaN	Low	0.068685	0.0636
hsa-miR-4638-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4639-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4639-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4640-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.799905	0.039995	0.695474	0.545935	0.202694	NaN	Low	0.030538	0.049453
hsa-miR-4640-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.399953	0.019998	0.379776	0.404782	0.34813	NaN	Low	0.017381	0.022615
hsa-miR-4641	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4642	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4643	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4644	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4645-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4645-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4646-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4646-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4647	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4648	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.399953	0.019998	0.379776	0.404782	0.34813	NaN	Low	0.017381	0.022615
hsa-miR-4649-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4649-3p	0	0	0	0	0	0	0	0	0	0	0	0	0.332572	0	0	0	0	0	0	0.399953	0.036626	0.382143	0.611135	0.531774	NaN	Low	0.031804	0.041449
hsa-miR-4650-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4650-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4651	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4652-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4652-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4653-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4653-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4654	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4655-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4655-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4656	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4657	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4658	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4659a-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4659a-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.492679	0	0	0	0	0	0.024634	-0.05374	0.421031	0.898444	NaN	Low	0.025093	0.024175
hsa-miR-4660	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.399953	0.019998	0.379776	0.404782	0.34813	NaN	Low	0.017381	0.022615
hsa-miR-4661-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.382892	0	0	0	0.119145	-0.14965	0.665476	0.822073	NaN	Low	0.125319	0.112971
hsa-miR-4661-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4662a-5p	0	0	0	0	0	7.709497	0	3.558529	1.174575	0.885362	0	0.996036	1.662862	1.130225	0	0	1.191446	0	16.48261	3.599575	1.919536	2.644903	1.04935	0.011718	NaN	Low	0.529196	3.309876
hsa-miR-4662a-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.197682	0	0.109884	1.425345	1.429597	0.318752	NaN	Low	0.059626	0.160142
hsa-miR-4659b-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4659b-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4663	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4662b	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4664-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4664-3p	0	1.509442	0	1.297257	0	0	0	0	0	0	0	0	0	0	0	1.783457	2.382892	0	0	0.799905	0.388648	0.07465	1.162217	0.948787	NaN	Low	0.378595	0.3987

hsa-miR-4665-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4665-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4666a-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4666a-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4667-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4667-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4668-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.197682	0	0	0.109884	1.425345	1.429597	0.318752	NaN	Low	0.059626	0.160142
hsa-miR-4668-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-219b-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-219b-3p	0	0	0	0	0	0	0	2.372353	0	0	0	0	0.332572	0	0	0	0	0	1.098841	0.799905	0	0.230184	1.150673	1.14553	0.315142	NaN	Low	0.142963	0.317404
hsa-miR-4669	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4670-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4670-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4671-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.098841	0	0	0.054942	0.854394	0.6085	0.160289	NaN	Low	0.039133	0.070752
hsa-miR-4671-3p	0	0	0	0	0	0	0	0	0	0	0	0.996036	0	0	0	0	0	0	1.098841	0.399953	0	0.124741	1.272155	1.040996	0.221687	NaN	Low	0.07305	0.176433
hsa-miR-4672	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4673	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4674	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4675	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4676-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4676-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4677-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4677-3p	3.107481	1.509442	1.485314	0	3.479177	2.569832	2.079375	0	1.174575	1.770725	5.411071	0	5.653732	4.520899	5.419474	10.70074	3.574338	2.645701	6.593045	3.599575	0	3.264725	0.516886	0.813435	0.525144	NaN	Low	2.686062	3.843388
hsa-miR-4678	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4679	0	0	0	0	0	0	0	0	0	0	0	0.996036	0	0	0	0	0	0	0	0	0	0.049802	-0.09234	0.539652	0.864137	NaN	Low	0.051395	0.048209
hsa-miR-4680-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4680-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4681	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4682	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4683	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4684-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4684-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4685-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4685-3p	0	0	0	0	0	0	0	0	1.174575	0	0	0	0	0	0	0	0	0	0	0	0	0.058729	-0.1031	0.566727	0.855641	NaN	Low	0.060826	0.056631
hsa-miR-4686	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4687-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.492679	0	1.191446	0	0	0	0	0.084206	-0.2469	0.808925	0.760203	NaN	Low	0.091394	0.077018
hsa-miR-4687-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1343-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1343-3p	0	0	0	0	0	0	0	1.186176	0	0	0	0.996036	0.665145	0	0.985359	1.188971	0	1.322851	0	0.799905	0	0.357222	0.146074	1.184933	0.901888	NaN	Low	0.339153	0.375291
hsa-miR-4688	0	1.509442	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.075472	-0.12009	0.605775	0.84285	NaN	Low	0.078612	0.072333
hsa-miR-4689	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4690-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4690-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.098841	0	0	0.054942	0.854394	0.6085	0.160289	NaN	Low	0.039133	0.070752
hsa-miR-4691-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4691-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4692	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4693-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4693-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4694-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4694-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4695-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4695-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4696	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4697-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4697-3p	0	3.018884	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.399953	0	0.170942	0.061459	0.80486	0.939133	NaN	Low	0.167301	0.174582
hsa-miR-4698	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4699-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4699-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4700-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4700-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4701-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4701-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4703-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4703-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4704-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4704-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4705	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.098841	0	0	0.054942	0.854394	0.6085	0.160289	NaN	Low	0.039133	0.070752
hsa-miR-4706	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.399953	0	0.019998	0.379776	0.404782	0.34813	NaN	Low	0.017381	0.022615
hsa-miR-4707-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4707-3p	0	1.509442	0	0	0	0	0	1.186176	0	0	0	0.996036	0	0	0	0	0	5.291402	0	1.199858	0	0.509146	0.16357	1.152457	0.887134	NaN	Low	0.480314	0.537978
hsa-miR-4708-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4708-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4709-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4709-3p	0	0	0	0	0	0	0	0	1.174575	0	0	0	0	0	0	0	0	0	0	0.399953	0	0.078726	0.259157	0.733564	0.723875	NaN	Low	0.071674	0.085778
hsa-miR-203b-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-203b-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.188971	0	0	0	1.999764	0	0.159437	0.952479	0.866821	0.271847	NaN	Low	0.108638	0.210236
hsa-miR-4710	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4711-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4711-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4712-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4712-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4713-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.399953	0	0.019998	0.379776	0.404782	0.34813	NaN	Low	0.017381	0.022615
hsa-miR-4713-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4714-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4714-3p	0	0	1.485314	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.074266	-0.11896	0.603289	0.843685	NaN	Low	0.077326	0.071206
hsa-miR-4715-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4715-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4716-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4716-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-3529-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.492679	0	0	0	0	0	0	0.024634	-0.05374	0.421031	0.898444	NaN	Low	0.025093	0.024175
hsa-miR-3529-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4717-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4717-3p	0	0	0	0	0	0	0	0	1.174575	0	1.082214	0	0.332572	0	0	0	0	0	0	0	0	0.129468	-0.46207	0.993173	0.641755	NaN	Low	0.150026	0.10891
hsa-miR-4718	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4719	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4720-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4720-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4721	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4722-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4722-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4520-2-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4723-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4723-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-451b	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4724-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.399953	0	0.019998	0.379776	0.404782	0.34813	NaN	Low	0.017381	0.022615
hsa-miR-4724-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4725-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4725-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4726-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4726-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4727-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4727-3p	0	0	0	0	0	0	0	0	0	0.885362	0	0	0	0	0	0	0	0	0	0	0	0.044268	-0.08502	0.520011	0.870127	NaN	Low	0.045572	0.042964
hsa-miR-4728-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4728-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.191446	0	0	0	0	0.059572	-0.10403	0.568974	0.854923	NaN	Low	0.061719	0.057425
hsa-miR-4729	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4730	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4731-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4731-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4732-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4732-3p	0	0	0	0	0	0	0	0	0	0	0	0	0.665145	0	0	0.594486	0	0	0	0	0	0.062982	-0.21147	0.763038	0.781675	NaN	Low	0.067589	0.058374
hsa-miR-4733-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

hsa-miR-4749-5p	0	0	0	0	0	0	0	0	0	0	0	0	0.332572	0	0	0	0	0	0	0	0.016629	-0.0381	0.357845	0.915204	NaN	Low	0.016848	0.016409
hsa-miR-4749-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4750-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4750-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4751	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4752	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4753-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4753-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-371b-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.566914	0	0	0	0	0.178346	-0.17628	0.711946	0.804443	NaN	Low	0.189228	0.167464
hsa-miR-371b-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4754	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4755-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.594486	0	0	0	0	0.029724	-0.06276	0.452604	0.889716	NaN	Low	0.030371	0.029078
hsa-miR-4755-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-499b-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-499b-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4756-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4756-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4757-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4757-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4758-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4758-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4759	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4760-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4760-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4761-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4761-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4762-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4762-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4763-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4763-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0.985359	0	0	0	0	0	0	0.049268	-0.08851	0.529753	0.867301	NaN	Low	0.050779	0.047757
hsa-miR-4764-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4764-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4765	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4766-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4766-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4767	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.594486	0	0	0	0	0.029724	-0.06276	0.452604	0.889716	NaN	Low	0.030371	0.029078
hsa-miR-4768-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.399953	0	0.019998	0.379776	0.404782	0.34813	NaN	Low	0.017381	0.022615
hsa-miR-4768-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4769-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4769-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4770	0	0	0	0	0	0	0	0	0	0	0	0	0.332572	0	0	0	0	0	0	0	0.016629	-0.0381	0.357845	0.915204	NaN	Low	0.016848	0.016409
hsa-miR-4771	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4772-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4772-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4773	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4774-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4774-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4775	2.071654	0	0	0	3.479177	0	0	0	1.174575	0	1.082214	0	0.665145	0	4.434115	1.188971	0	0	1.098841	1.599811	0.839725	0.528394	1.146353	0.644846	NaN	Low	0.687645	0.991806
hsa-miR-4776-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4776-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4777-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4777-3p	0	0	0	0	0	0	0	0	0	0	1.082214	0	0	0	0	0	0	0	0	0	0.054111	-0.09768	0.553342	0.859877	NaN	Low	0.055942	0.05228
hsa-miR-4778-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4778-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4779	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4780	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4436b-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4436b-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4781-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4781-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.399953	0	0.019998	0.379776	0.404782	0.34813	NaN	Low	0.017381	0.022615
hsa-miR-4782-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4782-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4783-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4783-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0	0	0	0	0	0	0.018837	-0.04259	0.37733	0.910127	NaN	Low	0.019115	0.018559
hsa-miR-4784	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4785	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.399953	0	0.019998	0.379776	0.404782	0.34813	NaN	Low	0.017381	0.022615
hsa-miR-1245b-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1245b-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-2467-5p	0	0	0	2.594514	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.799905	0	0.169721	0.285127	0.815657	0.726664	NaN	Low	0.153004	0.186438
hsa-miR-2467-3p	1.509442	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.075472	-0.12009	0.605775	0.84285	NaN	Low	0.078612	0.072333
hsa-miR-4786-5p	0	0	0	0	0	0	0	0	0	0	0	0	0.996036	0	0	0	0	0	0	0	0.049802	-0.09234	0.539652	0.864137	NaN	Low	0.051395	0.048209
hsa-miR-4786-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4787-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4787-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4788	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4789-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4789-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4790-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4790-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4791	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4792	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4793-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4793-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4794	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4795-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4795-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0	0	0	0	0	0	0.018837	-0.04259	0.37733	0.910127	NaN	Low	0.019115	0.018559
hsa-miR-4796-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4796-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4797-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4797-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4798-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4798-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4799-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4799-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4800-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4800-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4801	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4802-5p	0	0	0	1.297257	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.064863	-0.10965	0.58227	0.850631	NaN	Low	0.067327	0.062399
hsa-miR-4802-3p	3.107481	0	1.485314	0	0	0	4.158751	0	0	0	1.082214	0	0.665145	0.376742	0	1.188971	0	0	0	0	0.603231	-1.46827	1.192767	0.218331	NaN	Low	0.886182	0.32028
hsa-miR-4803	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.191446	0	0	0	0.059572	-0.10403	0.568974	0.854923	NaN	Low	0.061719	0.057425
hsa-miR-4804-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4804-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4999-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4999-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5000-5p	0	0	1.485314	0	0	0	0	0	0	0	0	0	0	0	0.492679	0	0	0	0	0	0.0989	-0.26509	0.830246	0.749508	NaN	Low	0.10796	0.089839
hsa-miR-5000-3p	0	0	0	0	0	0	0	0	0	0	0	0	0.332572	0.753483	0	0.594486	0	0	1.098841	0	0.138969	0.704256	1.106385	0.524426	NaN	Low	0.105708	0.17223
hsa-miR-5001-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5001-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5002-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.799905	0	0.039995	0.695474	0.545935	0.202694	NaN	Low	0.030538	0.049453
hsa-miR-5002-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5003-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5003-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5004-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5004-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548ao-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548ao-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5006-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5006-3p	0	0	0	0	0	0	0	1.186176	0	0	0	0	0	0.376742	0	0	0	0	0	0	0.078146	-0.23861	0.798644	0.765116	NaN	Low	0.084594	0.071698
hsa-miR-5007-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5007-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548ap-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548ap-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-

hsa-miR-5188	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5189-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5189-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5190	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5191	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5193	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5194	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5195-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5195-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5196-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5196-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5197-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5197-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4524b-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4524b-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5571-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5571-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5572	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548aq-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548aq-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548ar-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548ar-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.191446	0	0	0.799905	0	0.099568	0.522155	0.787951	0.507539	NaN	Low	0.081743	0.117392
hsa-miR-548as-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548as-3p	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0	0	0	0	0	0	0.018837	-0.04259	0.37733	0.910127	NaN	Low	0.019115	0.018559
hsa-miR-5579-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5579-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-664b-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-664b-3p	0	3.018884	1.485314	0	0	2.569832	0	2.372353	0	5.312175	4.328857	0.996036	1.662862	1.883708	3.448756	1.783457	3.574338	2.645701	0	0.799905	1.794109	-1.46746	0.992917	0.139428	NaN	Low	2.635257	0.952961
hsa-miR-5580-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5580-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.594486	0	0	0	0	0.029724	-0.06276	0.452604	0.889716	NaN	Low	0.030371	0.029078
hsa-miR-5581-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5581-3p	0	0	0	0	0	0	0	0	0	0.885362	0	0	0.332572	0.753483	0	0	0	0	0	0	0.098571	-0.43413	0.975596	0.65633	NaN	Low	0.113291	0.083851
hsa-miR-548at-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.594486	0	0	0	0.399953	0.049722	0.330164	0.663682	0.618855	NaN	Low	0.044057	0.055387
hsa-miR-548at-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5582-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5582-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5583-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5583-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5584-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5584-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5585-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5585-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5586-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5586-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5587-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5587-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548au-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.098841	0.399953	0.07494	1.729938	1.595474	0.278241	NaN	Low	0.034717	0.115162
hsa-miR-548au-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1295b-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1295b-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5588-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.188971	0	0	0	0	0.059449	-0.10104	0.561935	0.85731	NaN	Low	0.061529	0.057368
hsa-miR-5588-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5589-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5589-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5590-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5590-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5591-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5591-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548av-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548av-3p	0	0	0	0	0	0	0	0	0	0.885362	0	0	0	0	0	0	0	0	0	0	0.044268	-0.08502	0.520011	0.870127	NaN	Low	0.045572	0.042964
hsa-miR-5680	0	0	2.970628	0	0	0	0	0	4.6983	0	2.164428	0	0	0	0	0	0	1.322851	0	0.399953	0.577808	-0.43831	1.145784	0.70206	NaN	Low	0.664912	0.490704
hsa-miR-5681a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5682	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548aw	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.098841	0	0.054942	0.854394	0.6085	0.160289	NaN	Low	0.039133	0.070752
hsa-miR-5683	0	1.509442	0	0	0	0	0	0	0	0	0	4.98018	0	0.753483	0.492679	1.188971	3.574338	3.968552	1.098841	2.799669	1.018308	0.735094	1.151335	0.523167	NaN	Low	0.76435	1.272265
hsa-miR-5684	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548ax	0	0	0	0	0	0	0	0	0	0.885362	0	0	0	0	0	0	0	0	0	0	0.044268	-0.08502	0.520011	0.870127	NaN	Low	0.045572	0.042964
hsa-miR-5685	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5692c	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5687	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0	0	0	0	0	0	0.018837	-0.04259	0.37733	0.910127	NaN	Low	0.019115	0.018559
hsa-miR-5688	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5681b	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5689	0	0	0	0	0	0	1.039688	0	0	0	0	0	0	0	0	0	1.191446	0	0	0	0.111557	-0.27632	0.842897	0.743048	NaN	Low	0.122207	0.100906
hsa-miR-5690	0	0	0	0	0	0	0	1.186176	0	0.885362	2.164428	0.996036	0.665145	0.376742	2.956077	0	0	0	1.098841	0.399953	0.536438	0.122476	1.151082	0.915265	NaN	Low	0.513682	0.559194
hsa-miR-5691	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5692a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-4666b	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5693	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5694	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5695	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0	0	0	0	1.098841	0	0.073779	0.806596	0.763742	0.290918	NaN	Low	0.053676	0.093883
hsa-miR-5696	0	0	0	1.297257	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.064863	-0.10965	0.58227	0.850631	NaN	Low	0.067327	0.062399
hsa-miR-5697	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5698	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5699-5p	0	0	0	0	0	0	1.039688	0	0	0	0	0.996036	0.332572	0	0	0.594486	0	0	0	1.199858	0.208132	0.910582	1.181107	0.440732	NaN	Low	0.144546	0.271718
hsa-miR-5699-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.492679	0	0	0	0	0	0.024634	-0.05374	0.421031	0.898444	NaN	Low	0.025093	0.024175
hsa-miR-5700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5701	0	0	0	0	0	0	0	0	0	0	0	0	0.665145	0	0.492679	0	0	0	0	0	0.057891	-0.20161	0.748997	0.787791	NaN	Low	0.06193	0.053853
hsa-miR-5702	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0	0	0	0	0	0	0.018837	-0.04259	0.37733	0.910127	NaN	Low	0.019115	0.018559
hsa-miR-5703	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5692b	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5704	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5705	0	0	0	1.297257	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.064863	-0.10965	0.58227	0.850631	NaN	Low	0.067327	0.062399
hsa-miR-5706	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.098841	0	0.054942	0.854394	0.6085	0.160289	NaN	Low	0.039133	0.070752
hsa-miR-5707	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5708	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5739	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-5787	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1199-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-1199-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6068	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6069	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6070	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6072	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6073	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6074	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6075	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6076	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6077	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6078	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6079	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6080	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6082	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6083	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6084	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6085	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6086	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6087	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6088	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6089	0	0	0

hsa-miR-6503-5p	0	0	1.485314	0	0	0	1.039688	0	0	0	0	0	0	0	0	0	0	0	0	0.399953	0.146248	0.178856	0.96885	0.853538	NaN	Low	0.137194	0.155302
hsa-miR-6503-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0	0	0	0	0	0	0.018837	-0.04259	0.37733	0.910127	NaN	Low	0.019115	0.018559
hsa-miR-6504-5p	0	0	0	0	0	0	0	0	0	0.885362	0	0	0	0	0	0	0	0	0	0	0.044268	-0.08502	0.520011	0.870127	NaN	Low	0.045572	0.042964
hsa-miR-6504-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6505-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.098841	0	0.054942	0.854394	0.6085	0.160289	NaN	Low	0.039133	0.070752
hsa-miR-6505-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6506-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.399953	0.019998	0.379776	0.404782	0.34813	NaN	Low	0.017381	0.022615
hsa-miR-6506-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6507-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0.753483	0	0	0	0	0	0	0.037674	-0.07221	0.483005	0.881161	NaN	Low	0.038617	0.036732
hsa-miR-6507-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6508-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0	0	0	0	0	0	0.018837	-0.04259	0.37733	0.910127	NaN	Low	0.019115	0.018559
hsa-miR-6508-3p	0	1.509442	0	0	0	0	0	0	0	0	0	0	0	0.376742	0	0	0	0	0	0	0.094309	-0.26021	0.824585	0.752334	NaN	Low	0.102791	0.085827
hsa-miR-6509-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.399953	0.019998	0.379776	0.404782	0.34813	NaN	Low	0.017381	0.022615
hsa-miR-6509-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.594486	0	0	0	0	0	0.029724	-0.06276	0.452604	0.889716	NaN	Low	0.030371	0.029078
hsa-miR-6510-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6510-3p	0	0	0	0	0	0	0	1.186176	0	0	0	0	0	2.260449	0	0	0	0	0	0	0.172331	-0.31738	0.885024	0.719885	NaN	Low	0.191211	0.153452
hsa-miR-6511a-5p	0	0	1.485314	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.074266	-0.11896	0.603289	0.843685	NaN	Low	0.077326	0.071206
hsa-miR-6511a-3p	0	0	4.455941	0	0	0	0	0	2.34915	0.885362	0	0	0	0	0.492679	1.188971	0	0	1.098841	1.199858	0.58354	0.677751	1.188783	0.568595	NaN	Low	0.448938	0.718142
hsa-miR-6512-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6512-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6513-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6513-3p	0	0	0	0	0	0	2.079375	0	0	0	0	0	0	0	0	0	0	0	0	0	0.103969	-0.14	0.64712	0.828718	NaN	Low	0.109009	0.098928
hsa-miR-6514-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6514-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6515-5p	0	0	0	0	0	0	0	0	0	0.885362	0	0	0	0	0	0	0	0	2.197682	0	0.154152	1.137081	0.888902	0.200828	NaN	Low	0.096365	0.21194
hsa-miR-6515-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6715a-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6715b-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6715b-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.492679	0	0	0	0	0	0.024634	-0.05374	0.421031	0.898444	NaN	Low	0.025093	0.024175
hsa-miR-6716-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6716-3p	0	0	1.485314	0	0	0	0	1.186176	3.523725	0.885362	0	0	0	0.753483	0	0	0	0	1.098841	0	0.446645	0.064788	1.187033	0.956473	NaN	Low	0.436618	0.456672
hsa-miR-6717-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6511b-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6511b-3p	0	0	0	0	0	2.569832	0	0	0	0.885362	0	0	0	0	0	0	0	0	1.098841	0.399953	0.247699	1.036701	1.147503	0.366292	NaN	Low	0.162344	0.333054
hsa-miR-6718-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6719-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6720-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6720-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6721-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6722-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6722-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6723-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6724-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-892c-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-892c-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.188971	0	0	0	0	0	0.059449	-0.10104	0.561935	0.85731	NaN	Low	0.061529	0.057368
hsa-miR-6726-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6726-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6727-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6727-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6728-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6728-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6729-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6729-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6730-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6730-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6731-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6731-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6732-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6732-3p	0	0	0	1.297257	0	0	0	0	0	0	1.082214	0	0	0	0	0	0	1.322851	0	0	0.185116	-0.50037	1.015226	0.622106	NaN	Low	0.2169	0.153332
hsa-miR-6733-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6733-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6734-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6734-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6735-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.399953	0.019998	0.379776	0.404782	0.34813	NaN	Low	0.017381	0.022615
hsa-miR-6735-3p	0	0	0	1.297257	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.064863	-0.10965	0.58227	0.850631	NaN	Low	0.067327	0.062399
hsa-miR-6736-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6736-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6737-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6737-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6738-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6738-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6739-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6739-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6740-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6740-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6741-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6741-3p	0	0	1.485314	1.297257	0	0	0	1.174575	0	0	0	0.332572	0	0	0.594486	0	0	0	0	0	0.24421	-0.89835	1.146443	0.433278	NaN	Low	0.317878	0.170542
hsa-miR-6742-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6742-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6743-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6743-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6744-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6744-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6745	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6746-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6746-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6747-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6747-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6748-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6748-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6749-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6749-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6750-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6750-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6751-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6751-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6752-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6752-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6753-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6753-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6754-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6754-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6755-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.399953	0.019998	0.379776	0.404782	0.34813	NaN	Low	0.017381	0.022615
hsa-miR-6755-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6756-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6756-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6757-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6757-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6758-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6758-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6759-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6759-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6760-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6760-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6761-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6761-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6762-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6762-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6763-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6763-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6764-5p	0	0	0	1.297257	0	0	1.039688	0	0	0	0	0	0	0	0	0	0	1.322851	0	0	0.18299	-0.49922	1.014596	0.622696	NaN	Low	0.214338	0.151642
hsa-miR-6764-3p	0	0	0	2.594514	0

hsa-miR-6778-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6779-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6779-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6780a-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6780a-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6781-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6781-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6782-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6782-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6783-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6783-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6784-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6784-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6785-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6785-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6786-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6786-3p	0	0	1.485314	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.074266	-0.11896	0.603289	0.843685	NaN	Low	0.077326	0.071206
hsa-miR-6787-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6787-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6788-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6788-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6789-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6789-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6790-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6790-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6791-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6791-3p	0	0	0	0	0	0	0	0	0.885362	0	0	0	0	0	0	0	0	0	0	0	0	0.044268	-0.08502	0.520011	0.870127	NaN	Low	0.045572	0.042964
hsa-miR-6792-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6792-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6793-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6793-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6794-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6794-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6795-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6795-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6796-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6796-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6797-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6797-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6798-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6798-3p	1.035827	1.509442	0	0	0	0	0	0	0	0	0	0	0	0	0	0.594486	0	0	0	0	0	0.156988	-0.48459	1.006422	0.630163	NaN	Low	0.183108	0.130867
hsa-miR-6799-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6799-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6800-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6800-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6801-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6801-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6802-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6802-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6803-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6803-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.382892	0	0	0	0	0.119145	-0.14965	0.665476	0.822073	NaN	Low	0.125319	0.112971
hsa-miR-6804-5p	1.035827	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.051791	-0.09484	0.546131	0.86213	NaN	Low	0.053493	0.05009
hsa-miR-6804-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6805-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6805-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6806-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6806-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6807-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.399953	0	0.019998	0.379776	0.404782	0.34813	NaN	Low	0.017381	0.022615
hsa-miR-6807-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6808-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6808-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6809-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6809-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6810-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6810-3p	0	0	0	0	0	2.569832	0	0	0	0	0	0.996036	0	0.753483	0.985359	1.188971	0	1.322851	0	0	0	0.390827	-1.22444	1.184106	0.301109	NaN	Low	0.54739	0.234264
hsa-miR-6811-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0	0	0	0	0	0	0	0.018837	-0.04259	0.37733	0.910127	NaN	Low	0.019115	0.018559
hsa-miR-6811-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6812-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6812-3p	0	0	0	0	0	0	0	0	0	0	0	0	0.332572	0	0	0	0	0	0	0	0	0.016629	-0.0381	0.357845	0.915204	NaN	Low	0.016848	0.016409
hsa-miR-6813-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6813-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6814-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6814-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6815-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6815-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6816-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6816-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6817-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6817-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6818-5p	0	0	0	0	0	0	1.039688	0	0	0	0	0	0.665145	0.376742	0	0	0	0	0	0	0	0.104079	-0.44156	0.98041	0.652435	NaN	Low	0.119883	0.088274
hsa-miR-6818-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6819-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6819-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6820-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6820-3p	0	0	0	0	0	0	0	0	0	0	0	0	0.332572	0	0	0	0	0	0	0	0	0.016629	-0.0381	0.357845	0.915204	NaN	Low	0.016848	0.016409
hsa-miR-6821-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6821-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6822-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6822-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6823-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6823-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6824-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6824-3p	0	0	1.485314	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.074266	-0.11896	0.603289	0.843685	NaN	Low	0.077326	0.071206
hsa-miR-6825-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6825-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6826-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6826-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6827-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6827-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6828-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6828-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6829-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6829-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6830-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6830-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6831-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6831-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6832-5p	0	0	1.485314	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.074266	-0.11896	0.603289	0.843685	NaN	Low	0.077326	0.071206
hsa-miR-6832-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6833-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6833-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6834-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6834-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6835-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6835-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6780b-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6780b-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6836-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6836-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6837-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6837-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.783457	0	0	0	1.199858	0	0.149166	0.505672	0.813814	0.534363	NaN	Low	0.123288	0.175043
hsa-miR-6838-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6838-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6839-5p

hsa-miR-6853-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6853-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6854-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6854-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6855-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6855-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6856-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6856-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6857-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6857-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6858-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6858-3p	0	0	0	0	0	2.569832	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.128492	-0.16084	0.685224	0.814421	NaN	Low	0.135647	0.121337
hsa-miR-6859-5p	0	1.509442	0	0	0	0	0	0	0	0	0	0	0.332572	0	0	0	0	0	0	0	0	0.092101	-0.25777	0.821719	0.753753	NaN	Low	0.100307	0.083895
hsa-miR-6859-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6769b-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6769b-3p	0	0	0	0	0	0	1.039688	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.051984	-0.09508	0.546745	0.861939	NaN	Low	0.053697	0.050272
hsa-miR-6860	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6861-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6861-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6862-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6862-3p	0	0	0	0	0	0	0	1.186176	0	0	0	0	0	0	0	0	0	0	0	0.399953	0.079306	0.258102	0.734638	0.725339	NaN	Low	0.072231	0.086382
hsa-miR-6863	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6864-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0	0	1.191446	0	0	0	0	0.078409	-0.23899	0.79912	0.764889	NaN	Low	0.084889	0.07193
hsa-miR-6864-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6865-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.188971	0	0	0	0	0	0.059449	-0.10104	0.561935	0.85731	NaN	Low	0.061529	0.057368
hsa-miR-6865-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6866-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0	0	0	0	0	0	0	0.018837	-0.04259	0.37733	0.910127	NaN	Low	0.019115	0.018559
hsa-miR-6866-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6867-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6867-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6868-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6868-3p	0	0	0	1.297257	0	0	0	0	0	0	0	0	0	0	0	0	1.191446	0	2.197682	0	0.234319	1.017026	1.037147	0.32679	NaN	Low	0.154986	0.313652
hsa-miR-6869-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6869-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6870-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6870-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6871-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6871-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6872-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6872-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6873-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6873-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6874-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6874-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6875-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6875-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6876-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6876-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6877-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.492679	0	0	0	0	0	0	0.024634	-0.05374	0.421031	0.898444	NaN	Low	0.025093	0.024175
hsa-miR-6877-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6878-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6878-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6879-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6879-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6880-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6880-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6881-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6881-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6882-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.594486	0	0	0	0	0	0.029724	-0.06276	0.452604	0.889716	NaN	Low	0.030371	0.029078
hsa-miR-6882-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6883-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6883-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6884-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6884-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6885-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6885-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6886-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.399953	0.019998	0.379776	0.404782	0.34813	NaN	Low	0.017381	0.022615
hsa-miR-6886-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6887-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.594486	0	0	0	0	0	0.029724	-0.06276	0.452604	0.889716	NaN	Low	0.030371	0.029078
hsa-miR-6887-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6888-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6888-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6889-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6889-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6890-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6890-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6891-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6891-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6892-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6892-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6893-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6893-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6894-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6894-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6895-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-6895-3p	0	0	0	0	0	0	0	1.174575	0	0	0	0	0	0	0	0.594486	0	0	0	0	0	0.088453	-0.25214	0.815269	0.757116	NaN	Low	0.096163	0.080743
hsa-miR-7106-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-7106-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-7107-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-7107-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-7108-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-7108-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-7109-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-7109-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-7110-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-7110-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.399953	0.019998	0.379776	0.404782	0.34813	NaN	Low	0.017381	0.022615
hsa-miR-7111-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-7111-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-7112-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-7112-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-7113-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.098841	0	0.054942	0.854394	0.6085	0.160289	NaN	Low	0.039133	0.070752
hsa-miR-7113-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-7114-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-7114-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.399953	0.019998	0.379776	0.404782	0.34813	NaN	Low	0.017381	0.022615
hsa-miR-7150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-7151-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-7151-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-7152-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-7152-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-7153-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-7153-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-7154-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-7154-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-7155-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-7155-3p	0	0	0	0	0	0	0	0	0	0	0	0	0.332572	0	0	0	0	0	0	0	0.016629	-0.0381	0.357845	0.915204	NaN	Low	0.016848	0.016409
hsa-miR-7156-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.399953	0.019998	0.379776	0.404782	0.34813	NaN	Low	0.017381	0.022615
hsa-miR-7156-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-7157-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-7157-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-7158-5p	0	0	0	0	0	0	0	0	0	0	0	0	0

hsa-miR-7849-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-7850-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-7851-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-7852-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-7853-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-7854-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-7855-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-7856-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548ba	0	0	2.970628	0	0	0	5.198438	0	0	3.54145	1.082214	0	1.33029	0	0.985359	0.594486	1.191446	0	1.098841	0.799905	0.939653	-0.05559	1.129593	0.96075	NaN	Low	0.957754	0.921552
hsa-miR-7973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-7974	0	0	2.970628	1.297257	0	0	0	0	0	0	0	0	0.332572	0	0	0	0	0	3.296522	0	0.394849	1.156674	1.133681	0.307595	NaN	Low	0.244532	0.545166
hsa-miR-7975	0	0	1.485314	0	3.479177	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.248225	-0.35985	0.921987	0.696319	NaN	Low	0.279022	0.217427
hsa-miR-7976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-7977	0	0	0	0	0	0	0	1.174575	0	0	0	0	0	0	0	0	0	0	0	0	0.058729	-0.1031	0.566727	0.855641	NaN	Low	0.060826	0.056631
hsa-miR-7978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-8052	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-8053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-8054	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-8055	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-8056	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-8057	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-8058	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-8059	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-8060	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-8061	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-8062	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-8063	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-8064	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-8065	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-8066	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-8067	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-8068	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-8069	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-8070	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-8071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-8072	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-8073	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-8074	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-8075	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-8076	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-8077	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-8078	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-8079	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-8080	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-8081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-8082	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-8083	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-8084	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-8085	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-8086	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-8087	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-8088	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-8089	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-8485	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-9500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548bb-5p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
hsa-miR-548bb-3p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NaN	NaN	NaN	NaN	Low	NaN	NaN
0 AATAGCTCAGAATC	2.071654	0	1.485314	0	0	0	0	0	0	0	0	0	0.665145	1.130225	3.448756	1.783457	0	3.968552	0	0	0.727655	-1.62955	1.193171	0.172023	NaN	Low	1.099851	0.355459
0 GTAGAGGAGATGG	1.035827	0	0	1.297257	0	0	1.039688	0	0	0	0	0	0	0	0	0.594486	0	0	3.296522	3.199622	0.52317	2.639793	1.153646	0.022125	NaN	Low	0.144674	0.901667
0 GTAGAGGAGATGG	1.035827	0	0	0	0	0	0	1.186176	1.174575	0	0	0	0.665145	0	0	1.783457	0	0	6.593045	3.199622	0.781892	2.691503	1.10865	0.015194	NaN	Low	0.209627	1.354158
0 GTAGAGGAGATGG	0	0	0	0	0	0	0	0	1.174575	1.770725	0	0	0.997717	0.376742	0	0	0	0	1.098841	5.999291	0.570895	2.438754	1.168854	0.036938	NaN	Low	0.177801	0.963988
0_GTAGAGGAGATGG	6.214963	0	2.970628	0	0	0	0	0	3.523725	2.656087	0	0	0.665145	0	0.492679	3.566914	1.191446	3.968552	3.296522	5.199386	1.687302	1.176783	1.068293	0.270655	NaN	Low	1.034926	2.339679
0 GTAGAGGAGATGG	2.071654	0	0	0	3.479177	0	0	1.186176	4.6983	1.770725	0	0	0.332572	1.130225	0.985359	2.377943	1.191446	1.322851	1.098841	8.399007	1.502214	1.798931	0.935304	0.054434	NaN	Low	0.670688	2.33374
0 GTAGAGGAGATGG	0	1.509442	0	0	0	0	0	0	0	1.770725	3.246643	0	0.332572	0	0	0.594486	0	1.322851	1.098841	1.999764	0.593766	1.120207	1.15677	0.332849	NaN	Low	0.37417	0.813363
0 GTAGAGGAGATGG	0	0	0	0	0	0	0	2.372353	1.174575	0	0	0	0	0	0	0.594486	4.765784	1.322851	4.395363	3.599575	0.911249	1.795346	1.180773	0.128389	NaN	Low	0.407628	1.414871
0 GTAGAGGAGATGG	0	0	1.485314	1.297257	0	0	2.079375	1.186176	7.04745	2.656087	6.493285	1.992072	1.33029	2.260449	2.956077	6.539343	5.95723	2.645701	19.77913	12.79849	3.925186	2.326374	0.711521	0.001077	NaN	Low	1.305039	6.545334
0 GTAGAGGAGATGG	0	0	0	0	0	0	0	2.372353	2.34915	1.770725	2.164428	0.996036	0	1.130225	0.985359	4.755886	5.95723	5.291402	3.296522	5.199386	1.813435	1.121706	1.005853	0.264774	NaN	Low	1.141947	2.484923
0 GTAGAGGAGATGG	0	0	0	0	0	0	0	0	0	1.770725	0	0	0.332572	0	0	1.188971	1.191446	0	2.197682	2.399716	0.454056	1.940607	1.175642	0.098804	NaN	Low	0.187678	0.720433
0 GTAGAGGAGATGG	0	0	0	0	0	0	0	0	1.174575	0	1.082214	0	0.332572	0.376742	0.985359	0	2.382892	1.322851	7.691886	3.199622	0.927436	2.844936	0.998596	0.004387	NaN	Low	0.226626	1.628246
0 GTAGAGGAGATGG	0	0	0	0	3.479177	0	0	0	1.174575	1.770725	1.082214	0	0.665145	0.753483	0	0.594486	0	2.645701	2.197682	3.599575	0.898138	1.835044	0.995572	0.065299	NaN	Low	0.393246	1.403031
0 GTGAGGACTCGGG	0	0	0	0	0	0	0	0	0	0	0	0	0.332572	0	0	0	0	0	5.494204	0	0.291339	2.393712	1.704328	0.160173	NaN	Low	0.093153	0.489525
0 GTAGGGACTCGGG	0	0	0	0	0	0	1.186176	0	0	0	0	0	0	0	0	0	0	0	5.494204	0.799905	0.374014	2.865438	1.686297	0.089272	NaN	Low	0.090259	0.657769
0 GTGAGGACTCGGG	0	0	0	0	0	0	2.372353	0	0.885362	0	0	0	0	0	0	0	0	0	14.28493	1.199858	0.937125	3.21252	1.616589	0.046898	NaN	Low	0.182503	1.691747
0_GTAGGGACTCGGG	0	0	0	0	0	0	3.558529	0	0	0	0	0	0	0	0	0	0	0	5.494204	0	0.452637	1.096125	0.925268	0.236153	NaN	Low	0.288506	0.616767
0 GTGAGGACTCGGG	0	0	0	0	0	0	2.372353	0	0	0	0	0	0.376742	0	0	0	0	0	5.494204	0.399953	0.432163	2.174528	1.178647	0.065047	NaN	Low	0.15674	0.707585
0 TCCTGTACTGAGCT	35.21812	0	2.970628	23.35062	3.479177	5.139665	9.357189	10.67559	3.523725	0	0	1.992072	7.316594	2.260449	1.478038	3.566914	2.382892	18.51991	14.28493	8.399007	7.695776	0.498045	0.978198	0.61065	NaN	Low	6.38045	9.011102
0 TCCTGTACTGAGCT	450.5848	22.64163	41.58879	223.1282	17.39588	79.66481	155.9531	181.485	25.84065	13.28044	11.90436	40.83747	86.46884	29.0091	53.20938	106.4129	38.12627	228.8531	196.6925	265.1687	113.4123	1.025872	0.857761	0.231702	0.378868	OK	74.70701	152.1176
0 TCGAATCCGAGTCA	9.322448	16.60386	1.485314	3.891771	0	2.569832	17.67469	4.744705	5.872875	8.853625	0	0.996036	1.662862	3.013933	0.492679	0.594486	1.191446	2.645701	2.197682	0.799905	4.230693	-1.28219	0.989986	0.195265	NaN	Low	5.996002	2.465383
0 TCGAATCCGAGTCA	1.035827	16.60386	1.485314	3.891771	3.479177	0	5.198438	0	2.34915	2.656087	0	0	0.332572	0.376742	0	1.188971	1.191446	5.291402	2.197682	0.399953	2.38392	-0.68183	1.088514	0.531062	NaN	Low	2.936994	1.830846
0 TCGAATCCGAGTCA	4.143309	16.60386	2.970628	0	13.91671	0	6.238126	0	5.872875	0.885362	0	0	0.332572	2.260449	1.970718	1.783457	0	3.968552	3.296522	2.799669	3.35214	-0.04193	1.047439	0.968066	NaN	Low	3.400854	3.303427
0 TTCCCGGCTAACGC	3.107481	3.018884	26.73565	22.05337	3.479177	0	0	3.558529	3.523725	0	0	0.996036	0	0	0.985359	0.594486	0	0	0	0	3.402635	-1.82116	1.190628	0.126122	NaN	Low	5.30421	1.501059
0 TTCTCGGCCAACGC	3.107481	4.528326	22.27971	11.67531	6.958353	0	0	2.372353	2.34915	0	0	0	0.665145	0	0	0	0	0	0	0	2.696791	-1.52556	1.193145	0.201037	NaN	Low	4.003119	1.390464
1 CGAATCCGAGTCA	1.035827	9.056653	2.970628	9.080798	6.958353	0	0	0	9.396599	0.885362	0	0	0	0	0	0	0	0	0	0	1.969211	-1.318	1.188039	0.26726	NaN	Low	2.810971	1.127451
1 CGAATCCGAGTCA	0	7.547211	0	0	3.479177	0	1.039688	0	1.174575	0	0	0	0	0	0	0	0	0	0	0	0.662032	-0.74089	1.109914	0.504439	NaN	Low	0.828385	0.49568
1 CGGATCCGAGTCA	1.035827	1.509442	4.455941	2.594514	0	0	7.277814	4.744705	2.34915	0	0	0.996036	0.665145	0.376742	0	0.594486	0	5.291402	0	0	1.59456	-2.31704	1.169056	0.047482	NaN	Low	2.656098	0.53022
1_CGGATCCGAGTCA	0	1.509442	1.485314	0	0	0	3.558529	3.523725	0	0	0	0	0.332572	0	2.463397	0.594486	0	0	0	0	0.673373	-1.44195	1.192293	0.226511	NaN	Low	0.984414	0.362332
10 AAAAGTGATTGCA	0	0	0	0	3.479177	0	0	0	0	0	0	0.996036	0	0	6.897512	4.755886	0	0	0	0	0.806431	-0.77467	1.118825	0.488688	NaN	Low	1.017885	0.594976
10 AAATCTCTGCAGG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.790727	1.199858	0.499529	4.197805	1.657048	0.011299	NaN	Low	0.051628	0.947431
10 AAATCTCTGCAGG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10.98841	1.999764	0.649409	4.635747	1.608659	0.003955	NaN	Low	0.050225	1.248592
10 AAGGAGCTTACAA	1.035827	3.018884	0	0	0	2.569832	0	0	1.174575	0.885362	0	0	5.321159	0	1.970718	0	8.340122	0	1.098841	1.199858	1.330759	-0.15717	1.16258	0.892463	NaN	Low	1.403174	1.258344
10 AAGGAGCTTACAA	0	4.528326	1.485314	0	0	7.709497	0	0	0	0	2.164428	0	3.658297	0	0	0	8.340122	0	4.395363	1.199858	1.67406	0.48256	1.192059	0.685615	NaN	Low	1.396667	1.951453
10 AAGGAGCTTACAA	0	12.07554	0	0	3.479177	2.569832	0	0	1.174575	0.885362	1.082214	0	18.95663	0.753483	0.492679	1.188971	55.99796	1.322851	7.691886	1.999764	5.483546	-0.13123	1.167441	NaN	NaN	Low	5.732778	5.234315
10 AAGGAGCTTACAA	0	3.018884	0	0	0	0	0	0	0	1.770725	0	0	3.325724	0.376742	0	0	7.148676	0	1.098841	0.799905	0.876975	0.031582	1.193328	0.978886	NaN	Low	0.867376	0.886574
10 AAGGAGCTTACAA	0	3.018884	0	0	0	0	0	0	0	0.885362	0	0	1.662862	0	0	1.191446	0	2.197682	0.399953	0	0.467809	0.886749	1.193184	0.457373	NaN	Low	0.328402	0.607217
10 AAGGAGCTTACAA	0	3.018884	0	0	0	0	2.079375	1.186176	1.174575	0	0	0	3.658297	0	0	0	60.76375	1.322851	5.494204	1.999764	4.034894	-0.05929	1.1889	NaN	NaN	Low	4.117799	3.951988
10 AAGGAGCTTACAA	1.035827	1.509442	0	0	0	0	0	3.558529	0	0	0	0	5.321159	0	0.492679	0	67.91242	1.322851	4.395363	1.599811	4.357404	-0.25546	1.186752	NaN	NaN	Low	4.74218	3.972629
10 AAGGAGCTTACAA	0	3.018884	0	0	0	0	0	0	0	0.885362	0	0	2.66058	0.753483	0	0	8.340122	0	2.197682	0.399953	0.912803	0.242655	1.193291	0.838862	NaN	Low	0.836219	0.989388
10 AAGGAGCTTACAA	0	3.018884	0	0	0	0	0	1.186176	0	0.885362	0	0	0.665145	0	0	0	7.148676	0	0	0	0.645212	-0.98946	1.160216	0.393758	NaN	Low	0.858185	0.43224
10 ACCCCACTCCTGG	0	0	0	1.297257	0	0	2.079375	4.744705	0	0	0	6.972252	0.332572	0.376742	0.985359	0.594486	0	1.322851	2.197682	1.199858	1.105157	0.433973	1.107587	0.695192	NaN	Low	0.94018	1.270134
10 ACCCCACTCCTGG	2.071654	9.056653	13.36782	7.783541	13.91671	2.569832	11.43656	18.97882	8.222024	8.853625	6.493285	24.9009	6.318876	2.260449	19.2145	5.944857	8.340122	7.937103	37.36059	6.799197	11.09136	1.034295	0.66643	0.120664	0.241818	OK	7.277522	14.90519
10 ACCCCACTCCTGG	0	0	0	0	0	0	0	0	0	0.885362	0	1.992072	0.332572	0	2.956077	0	0	0	0	0.399953	0.328302	-0.2713	1.156565	0.814542	NaN	Low	0.359079	0.997524
10 ACCCCACTCCTGG	0	0	0	0	0	0	2.079375	0	0	0	0	2.988108	0.665145	0.376742	4.926795	2.377943	0	1.322851	6.593045	1.199858	1.126493	1.409919	1.123888	0.20966	NaN	Low	0.616038	1.636949
10 ACTGGACTTGGAC	1.035827	0	2.970628	1.297257	0	0	0	1.186176	1.174575	1.770725	1.082214	4.98018	1.33029	0	0.492679	0.594486	0	0	0	0.399953	0.915749	-1.20767	1.131408	0.285789	NaN	Low	1.278117	0.553382
10 ACTGGACTTGGAC	0	0	1.485314	0	0	0	0	2.372353	2.34915	2.656087	2.164428	7.968287	1.33029	0.376742	0.492679	0.594486	1.191446	0	0	0	1.149063	-2.17675	1.175694	0.064103	NaN	Low	1.8819	0.416226
10_ACTGGACTTGGAC	18.64489	12.07554	14.85314	6.486284	0	10.27933	9.357189	69.98441	25.84065	20.36334	25.97314	56.77405	19.95435	5.651124	6.897512	13.07869	15.4888	17.19706	5.494204	1.599811	17.79967	-2.20242	0.793938	0.005536	0.027851	OK	29.24518	6.354172
10 ACTGGACTTGGAC	0	3.018884	1.485314	1.297257	0	0	2.079375	11.86176	3.523725	6.197537	0	5.976216	4.656014	0.376742	3.941436	1.783457	1.191446	1.322851	0	0.399953	2.455598	-2.21459	1.075177	0.039423	NaN	Low	4.040647	0.87055
0 ATATAATACAACC	22.7882	12.07554	22.27971	18.1616

10	TGAGGTAGTAGG	0	0	0	1.297257	0	5.139665	0	0	2.34915	0	14.06878	0.996036	0.665145	0.376742	0	0	0	1.322851	0	0.399953	1.330779	-1.09541	1.192621	0.358364	NaN	Low	1.813045	0.848513
10	TGAGGTAGTAGG	7.25079	1.509442	1.485314	2.594514	10.43753	860.8939	2.079375	5.930882	284.2471	15.05116	666.644	431.2836	35.58525	29.0091	67.49709	5.350372	5.95723	23.81131	21.97682	22.39735	125.0496	-1.52768	1.135477	0.178494	0.313159	OK	185.694	64.40524
10	TGAGGTAGTAGG	0	0	0	0	0	97.65363	0	0	8.222024	1.770725	69.26171	54.78198	2.993152	1.883708	7.390192	0	0	0	0	0.799905	12.23785	-1.1944	1.186561	0.314122	0.461586	OK	17.03289	7.442809
10	TGAGGTAGTAGG	0	0	0	0	0	5.139665	0	0	0	0	7.5755	2.988108	0.332572	0	0.985359	0	0	0	0	0	0.85106	-0.99784	1.161226	0.390176	NaN	Low	1.13418	0.56794
10	TGAGGTAGTAGG	0	1.509442	1.485314	0	0	0	1.039688	5.930882	3.523725	2.656087	1.082214	0	1.995435	2.637191	2.463397	0.594486	4.765784	1.322851	0	2.399716	1.670311	-0.28031	0.93978	0.765496	NaN	Low	1.832069	1.508552
10	TGAGGTAGTAGG	0	7.547211	0	0	0	2.569832	1.039688	3.558529	2.34915	0.885362	0	0.996036	1.33029	1.506966	0.492679	0.594486	1.191446	0	0	1.199858	1.263077	-0.58334	1.04896	0.578132	NaN	Low	1.515011	1.011142
10	TGAGGTAGTAGG	0	1.509442	1.485314	0	3.479177	0	4.158751	4.744705	9.396599	1.770725	0	3.984144	1.995435	6.404607	10.34627	4.755886	11.91446	7.937103	7.691886	3.599575	4.258704	0.318443	0.870589	0.71453	NaN	Low	3.790595	4.726813
10	TGAGGTAGTAGG	0	3.018884	0	1.297257	0	5.139665	3.119063	2.372353	2.34915	2.656087	0	4.98018	3.658297	5.651124	8.86823	0.594486	2.382892	1.322851	3.296522	1.199858	2.595345	-0.36114	0.893099	0.68594	NaN	Low	2.918499	2.272191
10	TGAGGTAGTAGG	1.035827	0	4.455941	1.297257	10.43753	2.569832	4.158751	9.489411	3.523725	0.885362	0	0	0	1.130225	3.448756	0.594486	3.574338	2.645701	1.098841	0.799905	2.557294	-1.04939	1.025122	0.305991	NaN	Low	3.448408	1.666181
10	TGAGGTAGTAGG	0	0	1.485314	0	0	5.139665	2.079375	1.186176	3.523725	0	1.082214	0	0	0	3.448756	0	7.148676	1.322851	0	0.399953	1.340835	-1.25697	1.17948	0.286559	NaN	Low	1.890603	0.791068
10	TGATATGTTTGAT	6.214963	12.07554	4.455941	29.83691	27.83341	2.569832	20.79375	0	8.222024	12.39507	3.246643	76.69477	127.0427	19.21382	10.34627	55.88166	72.67821	2.645701	68.12813	8.79896	28.45371	0.374505	0.980731	0.702563	0.799916	OK	24.7812	32.12623
10	TGATATGTTTGAT	2.071654	0	1.485314	1.297257	3.479177	0	3.119063	0	0	0.885362	1.082214	17.92865	20.28692	2.637191	3.448756	9.511772	9.531568	0	2.197682	0.799905	3.988124	-1.1201	1.075428	0.297627	NaN	Low	5.462948	2.5133
10	TGATATGTTTGAT	1.035827	0	1.485314	5.189028	6.958353	0	2.079375	0	0	0.885362	0	32.86919	39.24355	4.144157	5.419474	13.67317	7.148676	0	7.691886	1.599811	6.471159	-0.37814	1.126618	0.737144	NaN	Low	7.314393	5.627924
10	TGATATGTTTGAT	0	0	0	0	0	0	0	0	0	0	0	0.996036	0.665145	0	0	3.566914	0	0	0	0	0.261405	-0.54862	1.039769	0.59775	NaN	Low	0.310517	0.212292
10	TGCATGTGATGAA	0	0	0	0	6.958353	28.26816	16.635	2.372353	15.26947	0.885362	1.082214	1.992072	0.997717	4.520899	2.956077	0.594486	0	1.322851	1.098841	0.399953	4.267691	-1.58952	1.121826	0.15651	NaN	Low	6.406592	2.128789
10	TGCGGGGCTAGG	22.7882	37.73605	56.44192	15.56708	45.2293	20.55866	75.8972	112.6868	81.04567	25.67551	23.80871	26.89297	21.94978	14.69292	48.28259	65.98792	26.21181	25.13416	48.349	76.79093	43.58636	0.559102	0.599214	0.35079	0.496239	OK	35.24476	51.92795
10	TGCGGGGCTAGG	0	1.509442	1.485314	0	3.479177	5.139665	3.119063	4.744705	1.174575	0.885362	2.164428	3.984144	2.328007	0.753483	5.912153	1.783457	1.191446	1.322851	3.296522	1.999764	2.313678	0.156539	0.803221	0.84548	NaN	Low	2.188279	2.439077
10	TGCGGGGCTAGG	0	0	1.485314	0	0	0	2.079375	1.186176	1.174575	0	0	0	2.66058	1.130225	1.970718	0.594486	1.191446	2.645701	0	0	0.80593	-2.08441	1.179392	0.077167	NaN	Low	1.304313	0.307547
10	TGCGGGGCTAGG	1.035827	6.037769	11.88251	0	6.958353	2.569832	6.238126	16.60647	3.523725	2.656087	7.5755	8.964323	4.988587	1.130225	13.30235	7.133829	1.191446	2.645701	4.395363	4.39948	5.661775	-0.3523	0.798245	0.658968	NaN	Low	6.349643	4.973906
10	TGTTCCTCTGTCT(	0	10.56609	0	5.189028	3.479177	2.569832	0	3.558529	2.34915	0	1.082214	0	0	0.753483	0.985359	1.783457	7.148676	0	3.296522	1.599811	2.218067	0.151221	1.0802	0.888665	NaN	Low	2.101926	2.334207
10	TGTTCCTCTGTCT(	2.071654	4.528326	0	5.189028	0	2.569832	0	2.372353	1.174575	0	2.164428	0.996036	0.332572	0.753483	0.985359	0.594486	8.340122	0	1.098841	1.199858	1.718548	-0.41679	1.015384	0.681458	NaN	Low	1.965077	1.472019
10	TTCAGTAATCCAG	7.25079	3.018884	5.941255	2.594514	0	5.139665	1.039688	0	1.174575	0	1.082214	0.996036	0.332572	1.506966	0.492679	0.594486	1.191446	1.322851	0	1.999764	1.783919	-0.42408	0.997244	0.670654	NaN	Low	2.044238	1.5236
10	TTTTGCAATATGT	8.286617	6.037769	13.36782	11.67531	3.479177	10.27933	4.158751	5.930882	7.04745	0.885362	7.5755	4.98018	5.653732	8.288315	7.390192	12.4842	4.765784	3.968552	8.790727	10.39877	7.272221	0.440601	0.512375	0.389833	NaN	Low	6.170299	8.374144
10	TTTTGCAATATGT	0	1.509442	0	0	0	0	0	0	0	0	1.082214	0	0.332572	1.506966	0.492679	0.594486	0	1.322851	1.098841	1.999764	0.496991	1.37933	1.086086	0.204084	NaN	Low	0.275993	0.717989
10	TTTTGCAATATGT	0	1.509442	0	0	3.479177	0	0	0	3.523725	0	2.164428	2.988108	3.325724	3.390674	2.463397	4.1614	0	1.322851	0	2.799669	1.55643	-0.05982	1.056474	0.954842	NaN	Low	1.588696	1.524164
11	AAGTTGTTCGTGG	0	0	0	0	0	0	0	0	0	0	0	0	0	0.753483	0	0.594486	0	0	39.55827	0	2.045312	4.391999	1.644157	0.007556	NaN	Low	0.185977	3.904647
11	AGGACTCCATTTG	1.035827	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0	0	0	0	7.691886	0.399953	0.47522	3.096826	1.193321	0.009455	NaN	Low	0.099467	0.850974
11	AGGACTCCATTTG	0	0	0	0	0	0	0	0	0	0	0	0	0	1.506966	0.985359	0	0	1.322851	56.04088	0	2.992803	4.165905	1.625166	0.010366	NaN	Low	0.315864	5.669741
11	ATTGTCACGTTCT(	12.42993	6.037769	63.86849	33.72868	6.958353	2.569832	25.99219	4.744705	8.222024	6.197537	5.411071	10.9564	5.986304	0.376742	7.390192	5.350372	0	0	2.197682	0.399953	10.44091	-2.28666	1.020637	0.025063	0.08265	OK	17.33004	3.551779
11	ATTGTCACGTTCT(	14.50158	3.018884	43.0741	23.35062	6.958353	2.569832	17.67469	3.558529	8.222024	1.770725	2.164428	7.968287	5.653732	1.883708	5.912153	4.1614	3.574338	2.645701	1.098841	0.799905	8.028092	-2.49782	0.942865	0.008069	NaN	Low	13.6411	2.41508
11	ATTGTCACGTTCT(	17.60906	6.037769	34.16222	32.43142	3.479177	5.139665	17.67469	4.744705	9.396599	3.54145	5.411071	7.968287	5.653732	0.753483	2.956077	8.917286	7.148676	3.968552	1.098841	0.399953	8.924636	-2.94805	0.939618	0.001704	NaN	Low	15.80165	2.047626
11	CAAGTAATCCAGC	10.35827	6.037769	1.485314	1.297257	3.479177	5.139665	12.47625	1.186176	2.34915	2.656087	1.082214	7.968287	2.328007	4.89764	6.897512	2.377943	5.95723	2.645701	3.296522	7.999055	4.595762	0.352614	0.707684	0.618297	NaN	Low	4.036908	5.154615
11	CAAGTGCTGTTCG	7.25079	0	2.970628	1.297257	0	2.569832	2.079375	0	0	0	0	1.992072	2.993152	1.130225	0.985359	0.594486	0	0	1.098841	0	1.248101	-1.01944	1.128869	0.366493	NaN	Low	1.671591	0.82461
11	CAAGTGCTGTTCG	2.071654	1.509442	13.36782	3.891771	13.91671	5.139665	10.39688	3.558529	17.61862	1.770725	1.082214	1.992072	1.33029	2.637191	2.956077	4.1614	0	0	7.691886	3.599575	4.934626	0.222738	0.875579	0.799194	NaN	Low	4.554451	5.314801
11	CAAGTGCTGTTCG	0	1.509442	2.970628	3.891771	3.479177	5.139665	1.039688	0	2.34915	0.885362	0	0	1.662862	0.376742	0.985359	0	0	0	0	0	1.214492	-2.12947	1.177586	0.070555	NaN	Low	1.977127	0.451857
11	CCCCACTCCTGGT	3.107481	3.018884	22.27971	11.67531	3.479177	0	2.079375	2.372353	2.34915	3.54145	1.082214	10.9564	0.332572	0.753483	0.492679	1.188971	0	1.322851	0	0	3.501603	-2.93106	1.133964	0.009744	NaN	Low	6.191399	0.811807
11	CCCCACTCCTGGT	1.035827	6.037769	41.58879	19.45885	13.91671	0	5.198438	29.65441	5.872875	7.0829	2.164428	15.93657	2.66058	0.753483	0.985359	4.755886	0	6.614253	0	0	8.185856	-3.53548	1.098117	0.001284	NaN	Low	15.0719	1.299817
11	CCCCACTCCTGGT	4.143309	7.547211	34.16222	16.86434	73.06271	2.569832	1.039688	10.67559	28.1898	1.770725	2.164428	5.976216	2.993152	0.753483	12.31699	4.1614	0	14.55136	1.098841	0	11.20206	-2.90104	1.058443	0.006128	0.030102	OK	19.7589	2.645226
11	GCATGTGATGAA(	0	0	0	3.891771	6.958353	28.26816	19.75407	18.97882	16.44405	3.54145	5.411071	0.996036	1.995435	7.15809	6.404833	0.594486	0	6.614253	0	1.999764	6.450532	-1.78084	1.069181	0.095791	NaN	Low	9.992965	2.908099
11	GTGCCTACTGAG(	0	1.509442	5.941255	1.297257	0	2.569832	3.119063	1.186176	2.34915	0	0	0.996036	1.995435	1.130225	0	0.594486	4.765784	1.322851	0	0	1.43885	-2.4452	1.160715	0.035149	NaN	Low	2.431268	0.446431
11	GTGCCTACTGAG(	0	3.018884	1.485314	0	3.479177	0	0	1.186176	0	0.885362	0	0.996036	2.66058	1.130225	0.492679	0.594486	9.531568	0	2.197682	1.999764	1.482897	0.461792	1.037618	0.656284	NaN	Low	1.247573	1.718221
11	GTGCCTACTGAG(	1.035827	0	0	0	3.479177	0	0	0	0	0	1.082214	0	2.66058	1.130225	1.478038	0.594486	5.95723	0	0	0.799905	0.910884	-0.61044	1.161625	0.599234	NaN	Low	1.100767	0.721001
11	TAAAGTGCTGACA	5.179136	0	4.455941	0	0	0	0	0	0	0	0	0	0	0	0	0.594486	0	0	0	0.399953	0.531476	-0.32854	1.083997	0.761824	NaN	Low	0.591732	0.471219
11	TAAAGTGCTGACA	1.035827	0	0	0	0	0	0	0	0	2.656087	0	6.972252	0.997717	0.376742	1.478038	0.594486	0	0	1.098841	0.799905	0.800495	0.069081	1.156703	0.952377	NaN	Low	0.781333	0.819656
11	TAAAGTGCTGACA	14.50158	1.509442	5.941255	2.594514	13.91671	2.569832	9.357189	1.186176	12.92032	10.62435	7.5755	19.92072	8.646884	6.404607	12.80967	16.05111	3.574338	6.614253	27.47102	14.79825	9.949386	1.145418	0.616435	0.06315	NaN	Low	6.194938	13.70383
11	TAAAGTGCTGACA	13.46575	6.037769	7.426569	7.783541	17.39588	5.139665	12.47625	7.117058	25.84065	15.93652	11.90436	11.95243	7.981739	13.5627	48.28259	24.9684	8.340122	21.16561	49.44784	21.1975	16.87115	1.124652	0.60591	0.063434	0.155587	OK	10.60915	23.13314
11	_TAAAGTGCTGACA	0	0	0	0	0	0	0	0	0	0	0	1.992072	1.662862	0.753483	3.448756	1.783457	1.191446	0	4.395363	0.799905	0.801367	1.203466	1.134332	0.288714	NaN	Low	0.485247	1.117487
11	TAAAGTGCTGACA	0	0	0	0	0	2.569832	1.039688	0	0	0	3.246643	1.992072	2.66058	1.506966	3.941436	1.783457	2.382892	1.322851	3.296522	0	1.287147	0.061128	1.065932	0.954269	NaN	Low	1.259883	1.314411
11	TAAAGTGCTGACA	3.107481	0	1.485314	1.297257	3.479177	5.139665	6.238126	3.558529	3.523725	7.0829	8.657714	13.9445	6.318876	4.89764	11.82431	5.944857	1.191446	3.968552	5.494204	5.999291	5.157678	0.097894	0.685622	0.886463	NaN	Low	4.982758	5.332598
11	_TAAAGTGCTGACA	10.35827	10.56609	25.25033	2.594514	13.91671	7.709497	9.357189	9.489411	14.0949	5.312175	3.246643	6.972252	4.323442	2.637191	5.419474	8.3228	0	5.291402	4.395363	3.599575	7.642862	-0.86972	0.718281	0.225961	NaN	Low	9.879257	5.406467
11	TAAAGTGCTGACA	10.35827	6.037769	22.27971	2.594514	24.35424	12.84916	5.198438	8.303235	17.61862	4.426812	2.164428	2.988108	4.656014	4.144157	4.926795	11.88971	5.95723	2.645701	5.494204	2.799669	8.08434	-0.90786	0.724473	0.21016	NaN	Low	10.54725	5.621434
11	TAAAGTGCTGACA	0	1.509442	4.455941	1.297257	3.479177	0	0	2.372353	5.872875	0	1.082214	0	0.665145	0.753483	0.985359	0.594486	0	0	0	0	1.153387	-2.11834	1.178209	0.072188	NaN	Low	1.874949	0.431824
11	TAAAGTGTTGACA	5.179136	0	2.970628	0	0	0	0	2.372353	0	0.885362	3.246643	0.996036	0.332572	0.753483	0.492679	1.783457	1.191446	0	2.197682	0.399953	1.140071	-0.01795	1.033981	0.986148	NaN	Low	1.147164	1.132979
11	TAAAGTGTTGACA	2.071654	0	1.485314	0	3.479177	0	0	1.186176	0	0	0	0.996036	0.332572	0.376742	0.492679	3.566914	1.191446	1.322851	1.098841	0	0.88002	-0.7019	1.122583	0.531802	NaN	Low	1.08997	0.67007
11	TGAGGCTCTGTTA	4.143309	0	1.485314	7.783541	0	0	0	1.186176	4.6983	2.656087	1.082214	0.996036	1.662862	0.753483	0.492679	0.594486	1.191446	0	4.395363	2.799669	1.796048	0.932707	0.902272	0.301262	NaN	Low	1.234884	2.357213
11	TGAGGCTCTGTTA	3.107481	1.509442	4.455941	1.297257	0	0	2.079375	2.372353	8.222024	3.54145	0	1.992072	2.328007	0	2.956077	0	1.191446	3.968552	3.296522	5.599338	2.395867	0.88788	0.879407	0.31267	NaN	Low	1.681042	3.110692
11	TGAGTACCGCCAT	0	0	0	0	0	0	0	0	5.872875	0	0	0	0	0.376742	0	0	0	0	1.098841	0	0.367423	0.13766	0.981671	0.888478	NaN	Low	0.349907	0.384939
11	TGAGTACCGCCAT	0	0	0	0	0	0	0	0	16.44405	0	0	0	0	0.753483	0	0	0	0	2.197682	0	0.969761	0.037168	0.979388	0.969727	NaN	Low	0.957269	0.982252
11	_TTATAATACAACC	20.71654	12.07554	22.27971	31.13417	6.958353	28.26816	16.635	7.117058	16.44405	16.82189	23.80871	23.90486	36.58297	8.665056	10.34627	13.67317	19.06314	19.84276	20.87798	15.99811	18.56067	-0.03228	0.484828	0.946912	0.968522	OK	18.76833	18.35302
11	TTATAATACAACC	2.071654	0	1.485314	0	3.479177	0	2.079375	1.186176	1.174575	1.770725	1.082214	0	2.993152	1.130225	1.478038	1.783457	3.574338	0	3.296522	1.199858	1.48924	0.395943	0.832504	0.634356	NaN	Low	1.286155	1.692326
11	TTATAATACAACC	2.071654	3.018884	8.911883	9.080798	3.479177	17.98883	0	3.558529	4.6983	5.312175	3.246643	8.964323	14.63319	4.144157	2.463397	4.755886	8.340122	3.968552	9.889567	9.198913	6.386249	0.620027	0.679386	0.361438	NaN	Low	5.034679	7.737818
11	_TTCAAGTAATTCA	30.03899	1.509442	11.88251	6.486284	0	0	1.039688	4.744705	1.174575	0	2.164428	1.992072	3.325724	2.260449	1.478038	6.539343	0	2.645701	0	1.199858	3.92409	-1.77464	1.073355	0.098259	NaN	Low	6.073183	1.774998
11	TTCAAGTAATTCA	10.35827	3.018884	8.911883	9.080798	3.479177	0	5.198438	0	1.174575	4.426812	7.5755	0.996036	5.321159	3.013933	2.463397	0.594486	0	0	1.098841	0	3.33561	-2.13317	1.044601	0.041143	NaN	Low	5.432781	1.238438
11	TTCAAGTAATTCA	19.68072	7.547211	4.455941	6.486284	0	2.569832	8.317501	1.186176	4.6983	12.39507	5.411071	5.976216	6.318876	5.274382	9.36091	2.972429	3.574338	1.322851	5.494204	1.999764	5.752104	-0.76464	0.720789	0.288764	NaN	Low	7.241724	4.262484
11	_TTCAAGTAATTCA	97.36775	36.22661	29.70628	28.53965	17.39588	15.41899	31.19063	36.77147	30.53895	41.61204	44.37078	34.86126	36.58297	53.12056	74.3946	38.64157	25.02037	29.10271	25.27334	22.39735	37.42669	-0.71273	0.470853	0.130104	0.250726	OK	46.48798	28.3654
11	TTCAAGTAATTCA	0	3.018884	0	0	0	0	0	1.186176	1.174575	3.54145	2.164428	0	0.997717	2.260449	2.463397	0.594486	0	0	0	0.399953	0.890076	-1.23184	1.139984	0.279887	NaN	Low	1.24855	0.531602
11	TTCAAGTAATTCA	70.43625	52.83047	53.4713	67.45736	27.83341	25.69832	29.11125	27.28206	38.76097	23.90479	8.657714	20.91675	20.95206	13.18596	6.404833	8.917286	5.95723	6.614253	6.593045	12.39853	26.36919	-1.36919	0.731458	0.061225	0.152444	OK	38.02039	14.71799
11	TTCAAGTAATTCA	759.2613	546.4181	380.2403	542.2534	316.6051	316.0894	326.4619	253.8417	478.052	247.0161	149.3456	217.1358	194.8875	183.8499	165.0476	115.3302	183.4827	72.75678	76.91886	159.5811	284.2288	-1.26176	0.584792	0.030957	0.096594	OK	401.1599	167.2976
11	TTCAAGTAATTCA	38.3256	42.26438	26.73565	62.26833	45.2293	17.98883	32.23032	23.72353	38.76097	18.59261	22.7265	24.9009	28.26866	18.46034	22.66326	8.917286	7.148676	6.614253	2.197682	11.99858	25.00078	-1.67131	0.62681	0.007667	0.03566	OK	38.05389	11.94767
11	TTCAAGTAATTCA	5.179136	3.018884	0	6.486284	6.958353	2.569832	5.198438	3.558529	4.6983	3.54145	3.246643	3.984144	2.66058	2.637191	2.463397	1.188971	0	1.322851	1.098841	1.199858	3.050584	-1.22571	0.792675	0.122032	NaN	Low	4.273767	1.827401
11	_TTCAAGTAATTCA	26.93151	18.11331	11.88251	9.080798	3.479177	12.84916	11.43656	27.28206	15.26947	30.10232	23.80871	12.94847	28.26866	51.6136	107.8968	37.4526	15.4888	11.90566	7.691886	16.79801	24.015	-0.94933	0.717311	0.185684	0.321201	OK	31.64296	16.38704
11	TTCAAGTAATTCA	9.322444	15.09442	1.485314	7.783541	3.479177	5.139665	3.119063	22.53735	3.523725	13.28044	14.06878	12.94847	21.61721	21.47427	44.83383	13.67317	7.148676	3.968552	2.197682	4.799433	11.57476	-1.58673	0.787179	0.04383	0.120717	OK	17.36744	5.782077
11	TTCAAGTAATTCA	2961.43	3206.055	1780.891	1511.304	1416.025	873.743	2412.075	1766.217	2426.672	2847.326	2633.027	2140.481	2299.073	5901.28	5813.618	1872.63	3510	2853.389	1936.158	1650.605	2590.6	-0.55481	0.4823	0.250007	0.396964	OK	3082.674	2098.526
11	_TTCAAGTAATTCA	174.019	169.0575	80.20694	84.3217	125.2504	51.39665	94.61158	173.1817	105.7117	130.1483	150.4278	124.5045	161.2976	367.6998	730.151	181.9126	208.5031	154.7735	117.576	109.1871	174.6969	-0.6346	0.616974	0.303686	0.453688	OK	212.511	136.8829
11	TTCAAGTAATTCA	2.071654	4.528326	0	0	0	5.139665	2.079375	2.372353	3.523725	1.770725	2.164428	0	3.325724	3.767416	4.434115	1.783457	5.95723	0	9.889567	0.799905	2.680383	0.853901	0.84034	0.309564	NaN	Low	1.909526	3.451241
11	TTCAAGTAATTCA	248.5985	401.5116	148.5314	158.2653	163.5213	179.8883	208.9772	199.2776	196.154	251.4429	451.2833	515.9466	401.4149	775.3342	1043.495	235.4163	200.1629	198.4276	141.7505	106.7874	311.3094	-1.32491	0.596991	0.026466	0.08584	OK	444.9898	177.6289
11	_TTCAAGTAATTCA	13.46575	13.58498	16.33845	14.26983	10.43753	38.54749	18.71438	10.67559	4.6983	10.62435	60.604	101.5957	49.22072	58.0182	79.32139	11.29523	8.340122	11.90566	7.691886	5.599338	27.24744	-1.86382	0.81359	0.021972	0.074962	OK	42.74954	11.74535
11	TTCAAGTAATTCA	0	3.018884	1.485314	0	0	7.709497	1.039688	0	0	0	6.493285	3.984144	2.328007	1.130225	3.448756	0	0	2.645701	0	0.399953	1.684173	-1.6116	1.142556	0.158386	NaN	Low	2.537866	0.83048
11	TTCAAGTAATTTA	77.68704	36.22661	26.73565	28.53965	45.2293	17.98883	11.43656	11.86176	28.1898	11.50971	4.328857	6.972252	4.656014	4.144157	2.463397	2.377943	3.574338	1.322851	1.098841	1.599811	16.39717	-2.79817	0.950643	0.003246	0.018528	OK	28.67216	4.122172
11	TTCAAGTAATTTA	12.42993	13.58498	0	9.080798	6.958353	17.98883	3.119063	4.744705	9.396599	4.426812	5.411071	3.984144	4.656014	10.17202	9.36091	1.783457	1.191446	1.322851	1.098841	1.599811	6.115532	-1.86472	0.830904	0.024819	NaN	Low	9.596183	2.63488
12	_AAAAGTGCTTACA	5.179136	1.509442	1.485314	3.891771	0	0	1.039688	1.186176	0	2.656087	0	5.976216	0.665145	1.506966	3.941436	1.783457	0	2.645701	0	0.399953	1.693324	-1.91547	1.069368	0.073259	NaN	Low	2.67701	0.709639
12	AAAAGTGCTTACA	4.143309	1.509442	1.485314	9.080798	0	2.569832	2.079375	2.372353	3.523725	1.770725	1.082214	1.992072	0.997717	1.506966	4.926795	5.350372	0	1.322851	0	0	2.285693	-3.09301	1.119257	0.005719	NaN	Low	4.091841	0.479545
12	_AAAAGTGCTTACA	18.64489	15.09442	5.941255	10.37806	3.479177	20.55866	15.59531	21.35117	3.523725	4.426812	3.246643	30.87711	4.656014	3.767416	17.73646	9.511772	0	21.16561	1.098841	0.799905	10.59266	-2.92037	0.896379	0.001122	0.008577	OK	18.71341	2.471914
12	_AAAAGTGCTTACA	0	0	1.485314	0	0	0	1.039688	2.372353	1.174575	0.885362	0	2.988108	0.665145	1.130225	7.882871	2.377943	0	2.645701	0	0	1.232364	-2.28695	1.170233	0.05067	NaN	Low	2.045573	0.419156
12	AAAAGTGTTTACA	0	1.509442	1.485314	10.37806	0	2.569832	2.079375	7.117058	2.34915	0	1.082214	0.996036	0.332572	0.376742	0.985359	0	0	0	0	0	1.563057	-2.18847	1.175833	0.062715	NaN	Low	2.563683	0.562432
12	_AACCCGTAGATCC	12.42993	7.547211	40.10347	20.75611	6.958353	15.41899	9.357189	10.67559	29.36437	36.29986	11.90436	9.960359	7.981739	11.30225	5.912153	1.188971	0	2.645701	14.28493	6.799197	13.04454	-0.30692	0.808411	0.704201	0.800075	OK	14.42687	11.66221
12	_AACCCGTAGATCC	90.11696	46.79271	179.723	28.53965	17.39588	53.96648	39.50813	21.35117	135.0761	98.27524	33.54864	20.91675	21.61721	27.87888	20.69254	2.972429	5.95723	11.90566	14.28493	15.99811	44.32588	-1.40051	0.831547	0.09214	0.203243	OK	64.2965	24.35527
12	AACCCGTAGATCC	34.1823	30.18884	26.73565	15.56708	31.31259	30.83799	21.83344	18.97882	41.11012	43.38276	27.05536	11.95243	9.977173	17.70685	13.79502	3.566914	5.95723	10.5828	8.790727	17.19797	21.0356	-0.64888	0.619008	0.294522	0.444715	OK	25.688	16.38321
12	_AACCCGTAGATCC	2.071654	3.018884	1.485314	0	3.479177	5.139665	1.039688	1.186176	5.872875	1.770725	2.164428	2.988108	0.665145	4.520899	2.463397	1.188971	0	2.645701	1.098841	2.399716	2.259968	-0.19607	0.813911	0.809631	NaN	Low	2.413305	2.106631
12	_AACCCGTAGATCC	9.322444	4.528326	5.941255	9.080798	6.958353	17.98883	8.317501	4.744705	17.61862	26.56087	4.328857	5.976216	5.321159	7.911573	3.941436	1.783457	5.95723	1.322851	2.197682	6.799197	7.830068	-0.67551	0.727792	0.35332	NaN	Low	9.630435	6.029701
12	AACCCGTAGATCC	3.107481	0	2.970628	0	0	2.569832	3.119063	1.186176	10.57117	1.770725	1.082214	0	1.662862	0.753483	2.463397	0	0	0	1.098841	0.799905	1.657789	-0.65411	1.06195	0.537924	NaN	Low	2.027299	1.288279
12	AACCCGTAGATCC	3.107481	1.509442	23.76502	0	0	107.933	2.079375	1.186176	232.5658	15.93652	141.7701	79.68287	8.646884	7.15809	5.419474	0.594486	0	6.614253	6.593045	7.199149	32.58806	-1.35272	1.146035	0.237862	0.385046	OK	46.83694	18.33917
12	_AACCCGTAGATCC	18.64489	4.528326	34.16222	7.783541	10.43753	264.6927	9.357189	4.744705	453.3859	26.56087	307.3488	91.63531	14.96576	13.93944	12.31699	0.594486	3.574338	9.259954	7.691886	11.99858	65.38118	-1.86007	1.082204	0.085654	0.19282	OK	102.5215	28.24086
12	AACCCGTAGATCC	1.035827	0	0	0	3.479177	10.27933	0	0	11.74575	0	4.328857	0.996036	0	0	0.985359	0	0	0	0	0	1.642517	-1.32091	1.188231	0.266283	NaN	Low	2.345981	0.939053
12	AACCCGTAGATCC	7.25079	1.509442	1.485314	2.594514	0	87.3743	1.039688	0	101.0134	2.656087	53.0285	10.9564	3.658297	5.274382	4.926795	0	1.191446	1.322851	3.296522	3.999527	14.62891	-1.26668	1.133874	0.26394	0.409835	OK	20.66793	8.589897
12	_AACCCGTAGATCC	3.107481	3.018884	2.970628	0	0	133.6313	0	0	85.74397	3.54145	80.08385	50.79783	8.314311	7.15809	19.70718	0.594486	0	9.259954	2.197682	8.399007	20.9263	-1.16754	1.157244	0.313024	0.461281	OK	28.96014	12.89247
12	AACCCGTAGATCT	0	3.018884	2.970628	0	0	0	0	0	5.872875	0.885362	0	0	0	0	0	0	0	0	0	0.399953	0.657385	-0.47495	1.141964	0.67748	NaN	Low	0.764627	0.550144
12	AACCCGTAGATCT	44.54057	6.037769	54.95661	19.45885	13.91671	20.55866	10.39688	15.42029	58.72875	27.44624	10.82214	5.976216	7.316594	5.274382	7.390192	1.783457	2.382892	6.614253	2.197682	5.199386	16.32093	-1.83235	0.862142	0.033558	0.101497	OK	25.48538	7.156471
12	_AACCCGTAGATCT	45.57639	36.22661	28.22096	23.35062	34.79177	38.54749	4.158751	20.165	55.20502	16.82189	8.657714	5.976216	6.651449	8.288315	9.853589	1.783457	1.191446	3.968552	4.395363	1.199858	17.75152	-2.3141	0.886705	0.00906	0.039882	OK	29.55905	5.943995
12	AACCCGTAGATCT	19.68072	22.64163	13.36782	12.97257	10.43753	7.709497	4.158751	8.303235	29.36437	12.39507	5.411071	4.98018	2.328007	3.767416	2.463397	0.594486	2.382892	1.322851	1.098841	2.399716	8.389003	-1.85799	0.889984	0.036828	NaN	Low	13.15034	3.627663
12	_AACCCGTAGATCT	10.35827	4.528326	0	0	6.958353	7.709497	3.119063	0	3.523725	2.656087	1.082214	0	0.332572	1.130225	0.492679	0.594486	0	1.322851	0	0.399953	2.210415	-1.83743	1.123542	0.101967	NaN	Low	3.45426	0.96657
12	_AACCCGTAGATCT	1.035827	0	1.485314	1.297257	0	7.709497	0	0	8.222024	0.885362	1.082214	1.992072	0.665145	0	0	0	0	0	0	0	1.218736	-1.72869	1.192014	0.146995	NaN	Low	1.872492	0.564979
12	AACCCGTAGATCT	0	0	8.911883	2.594514	3.479177	30.83799	1.039688	1.186176	54.03045	0.885362	22.7265	14.94054	1.33029	0.753483	1.478038	0	1.191446	0	0	0.799905	7.309272	-2.04423	1.153749	0.076425	NaN	Low	11.76588	2.85266
12	AACCCGTAGATCT	31.07481	10.56609	20.79439	18.1616	3.479177	483.1285	5.198438	2.372353	525.035	21.2487	221.8539	116.5362	11.97261	10.17202	8.375551	1.188971	0	2.645701	1.098841	6.399244	75.06511	-2.30511	1.134141	0.042106	0.117278	OK	124.8645	25.26572
12	_AACCCGTAGATCT	37.28978	9.056653	11.88251	10.37806	6.958353	768.3799	4.158751	10.67559	1160.48	13.28044	325.7465	142.4331	12.30518	13.5627	16.7511	0	5.95723	9.259954	6.593045	7.999055	128.6574	-2.14126	1.146224	NaN	NaN	Outlier	209.765	47.54975
12	AACCCGTAGATCT	9.322444	3.018884	8.911883	1.297257	6.958353	195.3073	0	1.186176	166.7896	0.885362	37.8775	19.92072	1.662862	2.637191	2.463397	0	1.191446	0	0	1.199858	23.03151	-2.08121	1.17195	NaN	NaN	Outlier	37.25831	8.804713
12	AACCCGTAGATCT	2.071654	0	1.485314	0	3.479177	172.1788	0	0	103.3626	0	59.52178	23.90486	2.993152	2.637191	2.463397	0	0	0	0	0	18.70489	-1.43399	1.191596	NaN	NaN	Outlier	27.30429	10.1055
12	_AACCTGTAGATCC	60.07798	19.62275	41.58879	9.080798	13.91671	12.84916	6.238126	13.04794	51.6813	30.10232	7.5755	8.964323	3.990869	6.404607	2.463397	0	3.574338	2.645701	1.098841	3.999527	14.94615	-2.01779	0.954068	0.034435	0.103201	OK	23.97261	5.919691
12	_AACCTGTAGATCC	18.64489	6.037769	19.30908	6.486284	10.43753	12.84916	1.039688	1.186176	12.92032	7.0829	0	0	1.33029	2.637191	0.985359	0	1.191446	1.322851	0	0.399953	5.193045	-2.57697	1.101175	0.019273	NaN	Low	8.895305	1.490784
12	_AACCTGTAGATCC	12.42993	6.037769	8.911883	3.891771	10.43753	12.84916	2.079375	8.303235	24.66607	20.36334	5.411071	2.988108	5.321159	3.390674	2.463397	0.594486	0	2.645701	0	1.199858	6.699226	-2.49851	0.962492	0.009435	NaN	Low	11.38396	2.014492
12	_AACCTGTAGATCC	10.35827	0	0	0	3.479177	5.139665	4.158751	0	7.04745	0	2.164428	0.996036	0.332572	1.506966	0	0	0	0	2.197682	0	1.86905	-0.48973	1.17892	0.677845	NaN	Low	2.183268	1.554832
12	AACCTGTAGATCC	0	1.509442	1.485314	0	0	2.569832	0	0	5.872875	0	2.164428	0.996036	0.332572	0	0	0	0	0	0	0	0.746525	-1.34956	1.189753	0.256662	NaN	Low	1.072276	0.420774
12	AACCTGTAGATCC	74.57956	18.11331	69.80975	31.13417	17.39588	922.5698	8.317501	9.489411	905.5973	45.15349	459.941	235.0645	24.94293	16.19989	16.25842	0	4.765784	2.645701	7.691886	10.39877	144.0035	-2.27582	1.123104	0.042727	0.11834	OK	238.7137	49.2932
12	_AACCTGTAGATCC	26.93151	4.528326	26.73565	10.37806	10.43753	747.8212	5.198438	7.117058	855.0905	15.93652	296.5267	113.5481	9.644601	7.911573	11.82431	0	0	1.322851	8.790727	2.799669	108.1272	-1.98372	1.164179	NaN	NaN	Outlier	172.6118	43.64253
12	_AACCTGTAGATCC	26.93151	6.037769	25.25033	14.26983	13.91671	583.352	3.119063	2.372353	534.4316	8.853625	136.359	63.7463	9.977173	9.041798	12.80967	0.594486	1.191446	2.645701	2.197682	4.39948	73.07487	-2.40855	1.127964	NaN	NaN	Outlier	122.986	23.16377
12	AACCTGTAGATCC	8.286617	3.018884	2.970628	2.594514	0	123.352	0	0	105.7117	1.770725	32.46643	7.968287	4.323442	1.506966	6.897512	0	0	0	2.197682	1.199858	15.21326	-1.53865	1.175983	0.19074	0.326509	OK	22.63529	7.791234
12	_AACCTGTAGATCC	3.107481	4.528326	7.426569	1.297257	3.479177	310.9497	0	1.186176	171.4879	0.885362	94.15264	65.73837	3.990869	4.520899	3.941436	0	0	0	3.296522	0.399953	34.01944	-1.7279	1.182551	NaN	NaN	Outlier	52.26153	15.77734
12	AACCTGTAGATCC	0	1.509442	7.426569	0	0	48.82682	1.039688	0	37.5864	0	4.328857	0.996036	0	0	0.492679	0	0	0	0	0	5.110324	-1.23592	1.183529	0.296362	NaN	Low	7.174542	3.046107
12	AACCTGTAGATCC	1.035827	1.509442	4.455941	0	0	77.09497	0	0	83.39482	0.885362	10.82214	2.988108	0	0	1.478038	0	0	0	0	0	9.183233	-1.30255	1.187091	0.272526	NaN	Low	13.06842	5.298046
12	_AACCTGTAGATCC	1.035827	0	0	0	0	15.41899	0	0	8.222024	0	1.082214	0	0	0	0	0	0	0	0	0	1.287953	-0.71272	1.101724	0.517691	NaN	Low	1.599772	0.976134
12	AACCTGTAGATCT	2.071654	0	8.911883	1.297257	0	15.41899	0	0	24.66607	0	3.246643	3.984144	0.332572	0.376742	1.478038	0	0	0	0	0	3.0892	-1.9077	1.188278	0.108399	NaN	Low	4.878261	1.300139
12	AACTCGTAGATCC	14.50158	6.037769	19.30908	6.486284	0	5.139665	2.079375	2.372353	15.26947	5.312175	3.246643	2.988108	1.995435	1.130225	0.985359	0	1.191446	2.645701	0	0.399953	4.554531	-2.72704	1.059481	0.010055	NaN	Low	7.913795	1.195267
12	_AACTCGTAGATCC	6.214963	6.037769	5.941255	1.297257	10.43753	5.139665	0	3.558529	9.396599	9.738987	0	0.996036	0.997717	0.753483	0.985359	0.594486	0	0	0	0.399953	3.124479	-2.20687	1.102111	0.045241	NaN	Low	5.136398	1.11256
12	AACTCGTAGATCC	7.25079	1.509442	5.941255	2.594514	0	118.2123	2.079375	0	97.48972	3.54145	56.27514	24.9009	4.323442	1.506966	2.956077	0	0	0	1.098841	0.799905	16.52401	-1.94087	1.165188	0.09577	0.209854	OK	26.21903	6.828985
12	AAGTAATCCAGGA	5.179136	0	4.455941	1.297257	3.479177	0	1.039688	0	1.174575	0.885362	2.164428	1.992072	1.33029	0.376742	0	0	0	0	1.098841	0	1.223675	-0.95478	1.123406	0.395381	NaN	Low	1.614433	0.832918
12	_AAGTAATCCAGGA	30.03899	9.056653	14.85314	9.080798	10.43753	15.41899	27.03188	9.489411	17.61862	12.39507	7.5755	14.94054	10.64232	8.665056	7.882871	4.1614	2.382892	3.968552	15.38377	13.59839	12.23112	0.260903	0.591104	0.658936	0.764366	OK	11.12816	13.33408
12	AAGTAATCCAGGA	6.214963	3.018884	2.970628	1.297257	0	0	4.158751	0	0	2.656087	3.246643	1.992072	3.658297	1.506966	0.985359	0	0	0	1.098841	1.199858	1.70023	-0.5233	0.994232	0.598655	NaN	Low	2.00525	1.39521
12	AAGTAATCTAGGA	2.071654	0	7.426569	1.297257	0	2.569832	1.039688	0	3.523725	0.885362	0	0	0	0	0	0	0	0	0	0	0.940704	-1.36144	1.190034	0.25261	NaN	Low	1.354316	0.527092
12	_AATCCGTAGATCC	13.46575	6.037769	41.58879	10.37806	10.43753	12.84916	2.079375	11.86176	11.74575	14.1658	6.493285	0.996036	1.995435	3.390674	1.970718	0.594486	2.382892	1.322851	1.098841	1.599811	7.822739	-2.00366	0.948724	0.03469	NaN	Low	12.52273	3.122746
12	AATCCGTAGATCC	2.071654	6.037769	5.941255	3.891771	6.958353	0	1.039688	1.186176	10.57117	3.54145	0	0.996036	1.662862	1.130225	0.492679	0	0	0	0	0	2.276055	-2.61504	1.152284	0.023242	NaN	Low	3.913341	0.638768
12	AATCCGTAGATCC	2.071654	4.528326	5.941255	6.486284	13.91671	7.709497	3.119063	2.372353	11.74575	7.0829	2.164428	1.992072	1.662862	1.883708	0.985359	0	0	0	1.098841	0.399953	3.758051	-1.82507	0.997592	0.067329	NaN	Low	5.86175	1.654352
12	_AATCCGTAGATCC	1.035827	1.509442	10.3972	2.594514	3.479177	46.25698	1.039688	0	89.26769	2.656087	24.89093	19.92072	1.33029	0.753483	1.970718	0	0	0	0	0	10.35514	-2.43172	1.166987	0.037182	0.108418	OK	17.47194	3.238332
12	ACAAAATCACTGA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.972429	0	0	0	0	0.148621	-0.16405	0.691405	0.812448	NaN	Low	0.157062	0.140181
12	ACTCTTTCCCTGTT	0	0	1.485314	0	0	0	1.039688	0	0	0	1.082214	1.992072	0.332572	0	0	0	2.382892	0	3.296522	2.399716	0.70055	1.876338	1.120529	0.09403	NaN	Low	0.29993	1.101169
12	ACTCTTTCCCTGTT	1.035827	1.509442	7.426569	0	0	2.569832	2.079375	2.372353	0	0	2.164428	1.992072	1.995435	0	0.492679	0	1.191446	0	3.296522	3.199622	1.56628	1.03633	0.991931	0.296133	NaN	Low	1.026731	2.105829
12	ACTCTTTCCCTGTT	5.179136	12.07554	41.58879	9.080798	0	17.98883	15.59531	24.9097	10.57117	3.54145	10.82214	8.964323	11.97261	3.767416	6.404833	3.566914	44.0835	5.291402	56.04088	133.1843	21.23145	2.573231	0.748162	0.000583	0.005423	OK	6.108531	36.35437
12	AGAAGCATTCTTT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.395363	20.39759	1.239648	5.675569	1.488045	0.000137	NaN	Low	0.047577	2.431718
12	AGACCCTGGTCTG	3.107481	1.509442	7.426569	1.297257	0	5.139665	3.119063	0	1.174575	1.770725	3.246643	5.976216	3.658297	0.376742	3.448756	1.188971	1.191446	1.322851	0	0	2.247735	-3.02963	1.12347	0.007004	NaN	Low	4.00502	0.490449
12	AGGCAGTGTAGT	0	0	0	2.594514	0	7.709497	0	1.186176	0	0	1.082214	16.93261	0	0	0.492679	0.594486	0	0	1.098841	2.399716	1.704537	0.051341	1.192867	0.96567	NaN	Low	1.67421	1.734863
12	AGTTGTTCGTGGT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.594486	0	1.322851	5.494204	0	0.370577	2.001398	1.113129	0.072178	NaN	Low	0.148116	0.593038
12	CAAGGAGCTCACA	1.035827	6.037769	10.3972	3.891771	0	0	1.039688	0	1.174575	2.656087	6.493285	2.988108	2.993152	1.883708	3.448756	1.188971	11.91446	1.322851	1.098841	0.799905	3.018248	-1.45107	0.940857	0.123004	NaN	Low	4.419914	1.616581
12	CAGCACGTAAATA	6.214963	0	1.485314	3.891771	3.479177	0	3.119063	3.558529	1.174575	3.54145	0	0	0.665145	1.130225	0.492679	1.188971	0	0	5.494204	1.999764	1.871791	0.942213	0.929183	0.310571	NaN	Low	1.281402	2.462181
12	CCCACTCCTGGTA	2.071654	3.018884	25.25033	3.891771	0	0	3.119063	1.186176	0	2.656087	2.164428	4.98018	1.995435	0.753483	0	0	0	0	0	0	2.554375	-2.29113	1.171963	0.050588	NaN	Low	4.242038	0.866712
12	CCCACTCCTGGTA	2.071654	7.547211	23.76502	5.189028	6.958353	2.569832	7.277814	3.558529	3.523725	6.197537	0	15.93657	0.665145	0.376742	0.985359	0	0	1.322851	0	0	4.397269	-2.96935	1.132712	0.008756	NaN	Low	7.798759	0.995779
12	CCCACTCCTGGTA	9.322444	6.037769	34.16222	7.783541	27.83341	0	4.158751	2.372353	11.74575	0	1.082214	3.984144	1.662862	0	9.853589	2.972429	0	3.968552	2.197682	0	6.456885	-1.78154	1.088795	0.101788	NaN	Low	10.0039	2.909869
12	CTCCGTTTGCCTG	3.107481	7.547211	7.426569	15.56708	6.958353	2.569832	1.039688	4.744705	2.34915	23.90479	16.23321	3.984144	8.646884	15.4464	11.82431	67.77137	4.765784	15.87421	99.99451	0.799905	16.02778	1.668011	0.92351	0.070893	0.167863	OK	7.672901	24.38266
12	GTGGCCCTGACT(	23.82402	4.528326	4.455941	16.86434	0	5.139665	7.277814	2.372353	1.174575	3.54145	2.164428	0	0.332572	0.376742	0.492679	0.594486	0	0	0	0	3.65697	-2.62867	1.153844	0.022716	NaN	Low	6.295932	1.018008
12	GTGGCCCTGACT(	1.035827	1.509442	0	3.891771	3.479177	12.84916	0	0	0	0	1.082214	0.996036	0.332572	0.376742	0.492679	0	0	0	0	0	1.302281	-1.78604	1.190765	0.133638	NaN	Low	2.019092	0.58547
12	TAATCCTTGCTAC(	0	0	0	0	0	0	3.119063	2.372353	0	0	0	0.996036	0	0	0	0	1.191446	1.322851	0	4.39948	0.670061	1.198143	1.192143	0.314881	NaN	Low	0.406783	0.93334

12	TAGCACGTAAATA	7.25079	4.528326	7.426569	6.486284	0	0	6.238126	0	14.0949	2.656087	2.164428	0.996036	4.323442	1.883708	0.492679	1.783457	1.191446	2.645701	5.494204	0.399953	3.502807	-0.35762	0.920158	0.697534	NaN	Low	3.934742	3.070871
12	TCAAAGTGCTTAC	1.035827	1.509442	0	1.297257	3.479177	0	0	2.372353	1.174575	2.656087	0	1.992072	1.33029	1.506966	0.985359	3.566914	0	5.291402	0	4.39948	1.62986	0.576115	0.902128	0.523072	NaN	Low	1.308689	1.951031
12	TCAAATGCTCAGA	0	0	0	0	0	0	0	0	0	0	0	0.996036	0	0.376742	0	0.594486	0	5.291402	5.494204	0	0.637643	1.326062	1.17133	0.257592	NaN	Low	0.363622	0.911665
13	AAAGTGCTTACAG	1.035827	4.528326	2.970628	9.080798	0	0	1.039688	2.372353	9.396599	0.885362	1.082214	3.984144	1.662862	1.130225	4.434115	5.944857	0	7.937103	0	1.199858	2.934248	-1.62621	0.974786	0.095262	NaN	Low	4.432605	1.435891
13	AAAGTGCTTACAG	3.107481	1.509442	0	1.297257	0	0	0	3.558529	0	0.885362	0	1.992072	0.665145	0	2.956077	4.1614	0	5.291402	0	0	1.271208	-2.17255	1.176265	0.064748	NaN	Low	2.080848	0.461569
13	AACCGTAGATCCG	1.035827	1.509442	13.36782	0	0	2.569832	0	0	9.396599	2.656087	0	0	0.665145	0	0	0	0	0	0	0.399953	1.580036	-1.04186	1.19213	0.382145	NaN	Low	2.126991	1.03308
13	AACCGTAGATCCG	1.035827	0	4.455941	1.297257	0	12.84916	0	0	29.36437	0	15.151	1.992072	0	0	0.985359	0	0	0	0	0.399953	3.376547	-1.26508	1.192643	0.28881	NaN	Low	4.768877	1.984217
13	AACCGTAGATCCG	0	0	1.485314	0	0	7.709497	0	0	19.96777	0	6.493285	3.984144	0.665145	0	0	0	0	0	1.098841	0.399953	2.090198	-0.63032	1.189921	0.596307	NaN	Low	2.53968	1.640715
13	AACCGTAGATCCG	0	0	0	0	0	2.569832	0	0	14.0949	0	2.164428	0	0	0	0.492679	0	0	0	0	0	0.966092	-0.72214	1.104517	0.513238	NaN	Low	1.202955	0.729229
13	AAGGAGCTCACA	19.68072	81.50988	47.53004	27.24239	10.43753	12.84916	80.05595	14.23412	14.0949	61.97537	28.13757	36.85333	29.93152	25.61843	33.00952	32.69672	134.6334	25.13416	18.68029	3.599575	36.89523	-1.70037	0.708614	0.016414	0.059212	OK	56.42736	17.3631
13	AAGGAGCTCACA	19.68072	49.81159	23.76502	7.783541	10.43753	7.709497	49.90501	13.04794	17.61862	46.92421	44.37078	38.8454	23.94522	24.11146	33.5022	19.61803	73.86966	41.00837	15.38377	8.79896	28.50688	-1.26985	0.61197	0.037985	0.108876	OK	40.30085	16.7129
13	AAGGAGCTCACA	12.42993	63.39657	19.30908	19.45885	48.70847	25.69832	29.11125	16.60647	24.66607	38.95595	64.93285	31.87315	37.91326	64.04607	81.78479	52.90923	147.7393	72.75678	23.07566	15.59816	44.54851	-1.20524	0.634682	0.057568	0.147817	OK	62.145	26.95202
13	AAGGAGCTCACA	3.107481	30.18884	2.970628	5.189028	13.91671	10.27933	13.51594	5.930882	8.222024	14.1658	25.97314	23.90486	11.30746	10.17202	16.7511	3.566914	40.50917	17.19706	8.790727	2.799669	13.42294	-1.22353	0.728826	0.093196	0.205115	OK	18.79657	8.049305
13	AAGGAGCTCACA	0	0	1.485314	0	0	0	0	0	7.04745	0	1.082214	0	0	0.753483	0.492679	0.594486	1.191446	0	0	0	0.632354	-1.36693	1.190408	0.25085	NaN	Low	0.911359	0.353348
13	AATCCTTTGTCCC	0	0	0	0	0	0	0	0	0	0	1.082214	0.996036	0	1.506966	0	0	1.191446	0	0	5.199386	0.498802	1.758387	1.189955	0.13949	NaN	Low	0.227598	0.770007
13	AATCCTTTGTCCC	7.25079	0	1.485314	0	0	0	1.039688	1.186176	0	2.656087	5.411071	0	0.332572	1.506966	0	1.188971	2.382892	13.22851	1.098841	20.39759	2.958273	1.773564	1.079034	0.100247	NaN	Low	1.338895	4.577651
13	AATCCTTTGTCCC	0	0	0	0	0	2.569832	1.039688	0	0	0	0	0	0	0	0	0	1.191446	0	0	3.999527	0.440025	1.540316	1.156904	0.183054	NaN	Low	0.225158	0.654891
13	AATGACACGATCA	134.6575	64.90601	185.6642	158.2653	142.6462	125.9218	25.99219	193.3467	129.2032	79.68262	110.3859	173.3103	272.7094	110.3853	143.8624	725.2726	164.4196	334.6812	253.8322	300.3645	191.4755	0.556363	0.651325	0.392993	0.542016	OK	155.0059	227.945
13	AATGACACGATCA	6.214963	6.037769	11.88251	11.67531	27.83341	43.68715	8.317501	18.97882	30.53895	6.197537	16.23321	7.968287	16.29605	13.93944	15.27306	30.91326	57.18941	56.88257	101.0934	107.1873	29.717	2.114042	0.664799	0.001473	0.010227	OK	11.15289	48.2811
13	AATGACACGATCA	15.53741	13.58498	19.30908	31.13417	100.8961	53.96648	31.19063	67.61205	79.87109	13.28044	45.453	19.92072	45.56243	47.0927	35.9656	82.03903	154.888	161.3878	260.4253	288.7659	78.39414	2.081797	0.694715	0.00273	0.016215	OK	29.95949	126.8288
13	AATGACACGATCA	0	0	0	0	0	0	0	2.372353	0	0	1.082214	0	0.997717	0.753483	1.970718	0.594486	0	0	4.395363	2.799669	0.7483	2.070265	1.058328	0.050446	NaN	Low	0.287828	1.208773
13	AATGACACGATCA	1.035827	0	2.970628	0	10.43753	2.569832	0	3.558529	4.6983	0	0	4.98018	6.318876	0.753483	3.448756	7.133829	2.382892	1.322851	4.395363	11.19868	3.360278	1.259354	0.913106	0.167834	NaN	Low	1.980196	4.74036
13	AATGACACGATCA	3.107481	16.60386	11.88251	20.75611	17.39588	17.98883	2.079375	30.84059	3.523725	13.28044	18.39764	34.86126	53.21159	19.59056	28.08273	67.17689	9.531568	13.22851	21.97682	29.99646	21.67564	0.248876	0.740118	0.736671	0.827286	OK	19.81066	23.54062
13	AATGACACGATCA	2.071654	0	5.941255	1.297257	0	10.27933	0	2.372353	9.396599	0.885362	0	0.996036	0	0.376742	0.985359	1.188971	0	0	3.296522	2.399716	2.074358	0.445538	1.080149	0.679989	NaN	Low	1.756575	2.392141
13	AATGACATGATCA	3.107481	0	1.485314	0	6.958353	5.139665	0	2.372353	5.872875	0	0	0.996036	1.662862	0.376742	0.985359	1.783457	0	0	2.197682	0	1.646909	-0.47775	1.092621	0.661927	NaN	Low	1.917133	1.376685
13	AGCACGTAAATAT	6.214963	3.018884	2.970628	1.297257	0	2.569832	3.119063	0	8.222024	0.885362	2.164428	0.996036	0.665145	0.376742	0	0	0	2.645701	3.296522	0	1.922129	-0.27145	1.071928	0.800083	NaN	Low	2.10243	1.741829
13	AGGCGGAGACTT	2.071654	0	2.970628	0	0	0	1.039688	2.372353	3.523725	0	0	0.996036	1.662862	1.883708	3.941436	4.755886	5.95723	0	9.889567	5.599338	2.333206	1.721648	0.855713	0.044226	NaN	Low	1.085684	3.580727
13	AGTAATCCAGGAT	4.143309	1.509442	7.426569	5.189028	10.43753	2.569832	4.158751	1.186176	4.6983	0.885362	0	1.992072	1.995435	0.753483	1.970718	0	1.191446	0	3.296522	0.799905	2.710194	-0.34676	0.91372	0.704314	NaN	Low	3.03434	2.386048
13	CAAAGTGCTTACA	0	3.018884	0	1.297257	3.479177	0	0	1.186176	0	0	0	2.988108	3.990869	1.506966	0.985359	2.972429	0	2.645701	1.098841	1.999764	1.358477	0.175034	1.011683	0.862642	NaN	Low	1.27617	1.440784
13	CAAAGTGCTTACA	31.07481	6.037769	4.455941	16.86434	0	7.709497	3.119063	4.744705	3.523725	7.0829	8.657714	9.960359	20.61949	20.72079	9.853589	13.67317	5.95723	6.614253	4.395363	15.59816	10.03314	-0.01325	0.704576	0.985	0.989013	OK	10.0792	9.987084
13	CAAAGTGCTTACA	10.35827	4.528326	0	3.891771	3.479177	2.569832	1.039688	8.303235	5.872875	6.197537	6.493285	14.94054	14.63319	28.63236	12.80967	15.45663	3.574338	6.614253	4.395363	15.59816	8.469424	0.205901	0.775809	0.7907	NaN	Low	7.866072	9.072777
13	CAAAGTGCTTACA	85.97365	48.30215	7.426569	51.89028	97.41695	30.83799	29.11125	35.58529	18.7932	29.21696	69.26171	143.4292	119.3935	101.7202	139.921	72.52726	52.42363	44.97692	102.1922	132.7843	70.65921	0.77421	0.642995	0.228563	0.374623	OK	52.14215	89.17627
13	CAAAGTGCTTACA	14.50158	10.56609	0	2.594514	3.479177	2.569832	3.119063	2.372353	2.34915	5.312175	6.493285	19.92072	24.27779	22.22775	24.63397	13.67317	2.382892	1.322851	2.197682	8.79896	8.639651	-0.59506	0.892981	0.505173	NaN	Low	10.39658	6.882724
13	CAAAGTGCTTACA	3.107481	1.509442	0	1.297257	0	0	0	2.372353	0	0	0	0.996036	2.66058	3.767416	0.492679	1.783457	0	0	0	1.599811	0.979326	-0.20189	1.108522	0.855484	NaN	Low	1.047737	0.910914
13	CAAAGTGTTTACA	21.75237	4.528326	8.911883	15.56708	10.43753	5.139665	1.039688	11.86176	14.0949	0	1.082214	2.988108	4.988587	5.274382	3.448756	3.566914	2.382892	3.968552	1.098841	4.799433	6.346594	-0.89311	0.857604	0.297692	NaN	Low	8.250613	4.442575
13	CAAAGTGTTTACA	5.179136	7.547211	1.485314	0	3.479177	0	0	2.372353	3.523725	0.885362	0	1.992072	2.328007	0.376742	2.463397	2.377943	0	0	1.098841	1.199858	1.815457	-0.52209	0.99137	0.598449	NaN	Low	2.14041	1.490503
13	CAAGTAATTCAGC	4.143309	4.528326	2.970628	0	0	0	2.079375	2.372353	1.174575	0.885362	1.082214	1.992072	0	2.637191	7.882871	1.188971	0	2.645701	1.098841	2.399716	1.954075	-0.14603	0.957869	0.878828	NaN	Low	2.052888	1.855263
13	CCACTCCTGGTAC	5.179136	3.018884	35.64753	5.189028	34.79177	0	6.238126	3.558529	5.872875	0	0	2.988108	0.665145	0	4.926795	0	0	2.645701	0	0	5.536081	-2.44384	1.165452	0.036002	NaN	Low	9.353121	1.719041
13	CCCATAAAGTAGA	0	0	1.485314	0	3.479177	0	0	0	0	0	0	0	0	0	0	4.755886	0	1.322851	0	0	0.552161	-0.75809	1.114622	0.496421	NaN	Low	0.693984	0.410338
13	CCCATAAAGTAGA	209.2371	78.49099	135.1636	33.72868	107.8545	87.3743	99.81002	238.4214	238.4387	94.73379	36.79528	167.334	38.24583	20.72079	30.05345	431.5966	44.0835	74.07963	42.85479	107.1873	115.8102	-0.60112	0.75056	0.423194	0.57082	OK	139.5941	92.02638
13	CCCATAAAGTAGA	11.3941	4.528326	7.426569	3.891771	3.479177	10.27933	4.158751	17.79265	10.57117	7.968262	6.493285	14.94054	4.656014	1.506966	1.478038	73.12175	8.340122	0	4.395363	5.599338	10.10108	-0.89352	0.925596	0.33437	0.484125	OK	13.13279	7.06936
13	CCCATAAAGTAGA	2.071654	4.528326	4.455941	0	3.479177	5.139665	1.039688	8.303235	7.04745	5.312175	3.246643	4.98018	0.997717	1.883708	1.970718	13.07869	0	2.645701	2.197682	0.799905	3.658912	-1.2395	0.898391	0.167682	NaN	Low	5.14066	2.177165
13	CCCATAAAGTAGA	16.57323	9.056653	8.911883	5.189028	55.66683	30.83799	7.277814	28.46823	19.96777	14.1658	16.23321	17.92865	15.29833	13.18596	16.25842	240.7667	27.40326	11.90566	5.494204	9.598866	28.50943	-1.65943	0.884098	NaN	NaN	Outlier	43.30884	13.71001
13	CCCATAAAGTAGA	1.035827	1.509442	0	0	3.479177	0	0	2.372353	0	0	0	0.996036	1.662862	2.260449	0.492679	7.728315	1.191446	0	1.098841	0	1.191371	-0.93431	1.144213	0.414184	NaN	Low	1.564205	0.818537
13	CCCATAAAGTAGA	2.071654	1.509442	4.455941	0	3.479177	2.569832	3.119063	4.744705	2.34915	1.770725	0	0.996036	0.665145	0	0	11.88971	0	1.322851	0	2.399716	2.167158	-0.52687	1.080542	0.625833	NaN	Low	2.55854	1.775775
13	CTCAATAAATGTC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.188971	0	0	3.296522	2.399716	0.344261	2.462899	1.70753	0.149196	NaN	Low	0.105711	0.58281
13_	CTCTTGAGGGAAC	0	0	0	50.59302	0	0	0	0	0	0	2.164428	0	0	0	0	0	0	0	0	0	2.637872	-0.13659	0.641952	NaN	NaN	Low	2.76265	2.513095
13	CTGCAAAGGGAA	0	0	1.485314	28.53965	0	0	0	0	0	0	1.082214	0	0	0	0	0	0	0	0	0	1.555359	-0.51496	1.023746	NaN	NaN	Low	1.830036	1.280682
13	CTGCAAAGGGAA	0	0	0	18.1616	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.90808	-0.04413	0.385372	0.908829	NaN	Low	0.921967	0.894192
13_	CTGCAAAGGGAA	0	0	0	10.37806	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.518903	-0.0512	0.413278	0.901396	NaN	Low	0.52811	0.509695
13	GACCCTGGTCTGC	3.107481	0	4.455941	1.297257	0	0	2.079375	1.186176	0	0.885362	1.082214	0	0.997717	0	0	2.972429	0	0	0	0	0.903198	-1.87311	1.188148	0.114911	NaN	Low	1.419025	0.387371
13	GACCCTGGTCTGC	5.179136	1.509442	34.16222	14.26983	3.479177	0	2.079375	0	3.523725	5.312175	5.411071	0	2.993152	4.144157	3.941436	8.3228	2.382892	3.968552	2.197682	2.799669	5.283824	-0.90756	0.941313	0.334974	NaN	Low	6.893059	3.674589
13	GACCCTGGTCTGC	1.035827	3.018884	4.455941	1.297257	0	2.569832	2.079375	0	3.523725	0.885362	2.164428	0.996036	1.995435	1.506966	0.985359	3.566914	2.382892	0	1.098841	0.399953	1.698151	-1.21968	0.933146	0.19119	NaN	Low	2.376072	1.020231
13	GACCCTGGTCTGC	1.035827	0	1.485314	1.297257	6.958353	0	1.039688	1.186176	1.174575	1.770725	1.082214	2.988108	0.997717	3.390674	0.492679	4.1614	2.382892	1.322851	0	0.799905	1.678318	-1.33043	0.977491	0.173492	NaN	Low	2.40163	0.955005
13	GACCCTGGTCTGC	0	0	2.970628	0	0	0	1.039688	0	0	0	1.082214	0	0	2.260449	0.985359	0	1.191446	1.322851	1.098841	0	0.597574	-0.26025	1.18434	0.826073	NaN	Low	0.651326	0.543821
13	GGTAGTAGGTTG	0	0	0	0	0	0	0	0	9.396599	0	1.082214	3.984144	0	0.376742	0	0	0	0	1.098841	0	0.796927	-0.21184	1.131778	0.851524	NaN	Low	0.855331	0.738523
13	GTCATTTTTGTGA	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0	0	0	0	1.098841	3.199622	0.23376	2.801352	1.702135	0.099807	NaN	Low	0.058653	0.408867
13	GTCATTTTTGTGA	0	0	0	0	0	2.569832	0	4.744705	0	0	0	0	0.332572	0	0	2.377943	7.148676	0	4.395363	11.99858	1.678384	1.906464	1.191145	0.109481	NaN	Low	0.706853	2.649915
13_	TAGCAGCACATAA	101.5111	49.81159	25.25033	63.56559	17.39588	20.55866	29.11125	18.97882	32.8881	41.61204	28.13757	42.82955	46.89271	19.9673	19.70718	45.7754	53.61507	37.03982	61.53509	64.39239	41.02877	0.665338	0.495511	0.179359	0.314118	OK	31.73219	50.32535
13	TAGCAGCACATAA	159.5174	81.50988	68.32443	102.4833	52.18765	69.38548	82.13533	23.72353	95.14057	72.59972	102.8104	81.67495	74.49623	75.72506	72.42388	52.90923	91.74135	62.17398	152.7389	125.1852	84.94432	0.78739	0.381377	0.038961	0.111349	OK	62.32273	107.5659
13	TAGCAGCACATAA	12.42993	9.056653	0	5.189028	6.958353	7.709497	4.158751	0	2.34915	8.853625	9.739928	4.98018	4.656014	7.534831	11.33163	5.944857	8.340122	2.645701	5.494204	6.799197	6.208582	-0.01338	0.64208	0.983376	NaN	Low	6.23737	6.179795
13_	TAGCAGCACATAA	1.035827	3.018884	1.485314	3.891771	6.958353	5.139665	1.039688	2.372353	2.34915	3.54145	0	0	4.323442	8.288315	3.448756	3.566914	2.382892	3.968552	5.494204	13.19844	3.775198	1.46056	0.695494	0.035726	NaN	Low	2.012284	5.538113
13	TAGCAGCACATAA	0	0	0	1.297257	0	0	1.039688	0	1.174575	0	4.328857	0.996036	1.662862	1.883708	1.478038	1.188971	1.191446	3.968552	7.691886	3.599575	1.575073	1.852855	0.828444	0.025316	NaN	Low	0.683011	2.467134
13	TAGCAGCACATAA	0	0	0	0	0	2.569832	0	0	0	1.770725	1.082214	0.996036	0	0	3.448756	1.188971	1.191446	2.645701	0	0.799905	0.784679	-0.47928	1.170344	0.68216	NaN	Low	0.913833	0.655526
13_	TAGCAGCACATAA	10.35827	19.62275	1.485314	10.37806	6.958353	5.139665	5.198438	3.558529	10.57117	12.39507	12.98657	13.9445	13.3029	17.70685	10.83895	5.944857	9.531568	5.291402	12.08725	13.99835	10.06494	0.363588	0.518451	0.483118	0.621745	OK	8.803329	11.32655
13	TAGCAGCACGTAA	4.143309	0	2.970628	2.594514	0	2.569832	2.079375	0	1.174575	3.54145	1.082214	0	0.665145	1.883708	1.478038	0.594486	3.574338	0	1.098841	1.199858	1.532516	-0.35779	0.919091	0.697064	NaN	Low	1.72158	1.343451
13	TAGCAGCACGTAA	29.00316	22.64163	16.33845	32.43142	52.18765	25.69832	47.82563	52.19176	63.42705	61.09001	59.52178	143.4292	62.19105	102.097	100.9993	37.4526	86.97556	185.1991	178.0122	142.7831	75.0748	1.194722	0.608825	0.049723	0.131792	OK	45.65195	104.4976
13	TAGCAGCACGTAA	4.143309	10.56609	0	7.783541	10.43753	5.139665	5.198438	3.558529	11.74575	6.197537	12.98657	44.82162	18.29148	24.11146	19.70718	6.539343	13.10591	18.51991	15.38377	13.59839	12.5918	0.173575	0.732241	0.812621	0.880488	OK	11.83523	13.34837
13	TAGCAGCACGTAA	0	1.509442	0	0	0	2.569832	0	2.372353	0	0	3.246643	9.960359	2.993152	3.767416	1.478038	0	1.191446	0	1.098841	0.799905	1.549371	-0.55278	1.127388	0.623908	NaN	Low	1.842619	1.256124
13	TAGTAGCACATAA	15.53741	3.018884	2.970628	2.594514	24.35424	2.569832	4.158751	2.372353	2.34915	2.656087	4.328857	0.996036	2.328007	2.260449	0.985359	1.188971	2.382892	0	0	0.399953	3.872618	-2.56834	1.044775	0.013961	NaN	Low	6.627803	1.117434
13_	TAGTAGCACATAA	14.50158	4.528326	8.911883	5.189028	0	5.139665	2.079375	2.372353	4.6983	1.770725	0	0.996036	1.662862	1.883708	4.434115	2.377943	3.574338	0	0	1.599811	3.286002	-1.462	0.943233	0.121144	NaN	Low	4.821758	1.750246
13	TAGTAGCACGTAA	169.8757	93.58541	62.38318	85.61895	132.2087	46.25698	37.42876	64.05352	150.3456	15.93652	22.7265	15.93657	28.9338	29.76258	11.82431	21.99597	22.63747	21.16561	20.87798	13.99835	53.37762	-1.51091	0.756418	0.045776	0.124683	OK	79.02585	27.7294
13	TAGTAGCACGTAA	23.82402	12.07554	4.455941	12.97257	24.35424	7.709497	4.158751	4.744705	29.36437	2.656087	4.328857	2.988108	4.988587	4.520899	0.985359	1.188971	2.382892	1.322851	1.098841	3.599575	7.686033	-1.36446	0.902587	0.130603	NaN	Low	11.07196	4.30011
13_	TCTACAAAGGAAA	0	0	0	6.486284	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.324314	-0.21221	0.766097	0.781782	NaN	Low	0.348123	0.300505
13	TCTACAAAGGAAA	0	0	1.485314	9.080798	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.528306	-0.37309	0.933489	0.689398	NaN	Low	0.596239	0.460372
13	TCTTGGAGTAGGT	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0	0	0	0	6.593045	0	0.348489	2.569101	1.713119	0.133702	NaN	Low	0.10051	0.596468
13_	TCTTGGAGTAGGT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17.58145	0	0.879073	3.990574	1.719578	0.020305	NaN	Low	0.104058	1.654087
13	TCTTGGAGTAGGT	0	0	0	0	0	5.139665	0	0	0	0	0	0.996036	0	0.376742	0.985359	0	0	0	57.13972	0	3.231876	3.98322	1.597185	0.012635	NaN	Low	0.384404	6.079348
13	TCTTGGAGTAGGT	4.143309	0	0	3.891771	0	0	0	1.186176	0	0	1.082214	0	2.328007	2.260449	0	0.594486	0	3.968552	390.0885	0	20.47717	5.45648	1.416712	0.000117	0.001702	OK	0.911919	40.04243
13	TCTTGGAGTAGGT	2.071654	0	0	0	0	0	0	0	0	0	0	0.996036	0.332572	0.753483	0	0	0	3.968552	232.9543	0.799905	12.09382	5.884871	1.391098	2.33E-05	0.000653	OK	0.402516	23.78513
13_	TGGCCCTGACTGA	9.322444	4.528326	13.36782	5.189028	0	2.569832	4.158751	4.744705	2.34915	2.656087	1.082214	0	0.665145	0	0	0	0	0	0	0	2.531675	-2.28713	1.172134	0.051027	NaN	Low	4.202358	0.860992
13	TGGCCCTGACTGA	0	7.547211	0	3.891771	0	0	1.039688	7.117058	2.34915	0.885362	0	0.996036	0.332572	0.753483	0	0	0	1.322851	0	0	1.311759	-1.95029	1.185977	0.100082	NaN	Low	2.084201	0.539318
13_	TTCAAGTAATCCA	65.25711	6.037769	40.10347	12.97257	3.479177	23.12849	4.158751	3.558529	3.523725	7.968262	6.493285	3.984144	7.981739	3.013933	1.970718	3.566914	0	1.322851	2.197682	7.999055	10.43591	-0.831	0.970664	0.391933	0.542016	OK	13.36105	7.510765
13_	TTCAAGTAATCCA	9.322444	0	7.426569	2.594514	3.479177	0	3.119063	2.372353	0	6.197537	3.246643	8.964323	4.988587	0.753483	0.985359	0	2.382892	1.322851	0	1.999764	2.957778	-1.10385	0.998382	0.268883	NaN	Low	4.037169	1.878387
13	TTCAAGTAATCCA	0	0	0	1.297257	0	0	0	0	2.34915	2.656087	1.082214	1.992072	0.332572	2.637191	1.478038	1.188971	1.191446	0	0	1.199858	0.870243	-0.34226	1.062593	0.747376	NaN	Low	0.972989	0.767497
13_	TTCAAGTAATCCA	49.7197	13.58498	47.53004	41.51222	6.958353	35.97765	17.67469	20.165	24.66607	50.46566	17.31543	37.84937	36.91554	15.82315	12.80967	19.02354	16.68024	13.22851	24.1745	33.59603	26.78352	0.11842	0.536247	0.825224	0.886351	OK	25.6849	27.88213
13_	TTCAAGTAATCCA	2.071654	3.018884	0	0	3.479177	2.569832	2.079375	0	1.174575	10.62435	1.082214	0.996036	0.997717	0.753483	0.492679	0	0	0	0	2.799669	1.606982	-0.00837	1.080768	0.993822	NaN	Low	1.611643	1.602321
13	TTCAAGTAATCCA	0	0	1.485314	0	0	0	1.039688	0	0	0.885362	1.082214	1.992072	0.332572	0.753483	2.956077	0.594486	2.382892	0	0	1.999764	0.775196	0.366581	1.058815	0.729179	NaN	Low	0.677236	0.873156
13_	TTCAAGTAATCCA	12.42993	12.07554	4.455941	10.37806	24.35424	12.84916	12.47625	11.86176	10.57117	9.738987	18.39764	31.87315	20.95206	28.25562	51.23866	10.70074	19.06314	15.87421	15.38377	35.19584	18.40629	0.487846	0.577472	0.398225	0.545621	OK	15.32358	21.48901
13_	TTCAAGTAATCCA	1.035827	3.018884	0	0	0	2.569832	7.277814	3.558529	3.523725	3.54145	6.493285	6.972252	7.649166	6.781348	19.70718	1.783457	4.765784	2.645701	3.296522	3.199622	4.391019	-0.49528	0.853196	0.561574	NaN	Low	5.137432	3.644606
13	TTCAAGTAATCCA	634.962	848.3065	353.5047	757.598	560.1474	513.9665	774.5673	413.9755	426.3707	1072.174	852.7848	1708.202	1299.361	1231.191	1522.38	499.9625	624.3177	538.4002	547.2227	1263.851	822.1622	0.148237	0.500684	0.767177	0.845181	OK	779.9607	864.3637
13_	TTCAAGTAATCCA	69.40042	90.56653	43.0741	131.0229	86.97942	169.6089	87.33376	68.79823	43.45927	90.30697	165.5788	490.0497	262.3997	172.5476	232.052	67.17689	53.61507	63.49683	79.11654	146.7827	130.6683	-0.21234	0.664311	0.749243	0.835694	OK	140.267	121.0696
13_	TTCAAGTAATCCA	0	0	0	5.189028	3.479177	2.569832	0	0	1.174575	0	1.082214	3.984144	2.328007	1.506966	7.390192	0.594486	0	1.322851	0	0.799905	1.571069	-1.17115	1.117053	0.294441	NaN	Low	2.175895	0.966243
13	TTCAAGTAATCCA	8.286617	49.81159	0	24.64788	59.146	110.5028	28.07157	24.9097	3.523725	18.59261	57.35735	141.4371	82.81054	47.0927	86.21891	10.70074	9.531568	13.22851	24.1745	21.9974	41.10209	-0.74643	0.883994	0.398454	0.545621	OK	51.50391	30.70027
13_	TTCAAGTAATCCA	1.035827	3.018884	0	0	13.91671	12.84916	6.238126	1.186176	3.523725	1.770725	11.90436	14.94054	11.64004	7.15809	12.31699	4.1614	1.191446	1.322851	5.494204	1.999764	5.78345	-0.60065	0.897245	0.503212	NaN	Low	6.970303	4.596598
13_	TTCAAGTAATCCA	0	3.018884	0	2.594514	0	7.709497	0	0	0	0	4.328857	4.98018	0.997717	2.637191	3.941436	0	0	0	0	0.399953	1.530411	-1.37021	1.176031	0.243972	NaN	Low	2.207057	0.853766
13	TTCAAGTAATCCA	5.179136	6.037769	1.485314	3.891771	6.958353	2.569832	1.039688	1.186176	1.174575	4.426812	1.082214	1.992072	4.323442	4.144157	2.463397	0.594486	1.191446	0	0	9.998818	2.986973	0.890759	0.807662	0.270077	NaN	Low	2.093073	3.880873
13	TTCAAGTAATCTA	950.8893	671.7017	383.211	542.2534	448.8138	354.6369	417.9544	296.5441	557.9231	347.9475	207.7851	200.2032	237.1242	218.1334	174.4085	126.031	202.5458	89.95384	95.59915	167.5802	334.562	-1.34045	0.58834	0.022705	0.076931	OK	479.6944	189.4296
13_	TTTAAGTAATCCA	7.25079	3.018884	0	6.486284	0	2.569832	8.317501	2.372353	0	0	1.082214	3.984144	3.990869	1.883708	0.985359	1.783457	0	0	0	0.799905	2.226265	-1.59784	1.066536	0.134092	NaN	Low	3.346833	1.105697
14	AAATGCTCAGACT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.594486	0	5.291402	7.691886	0	0.678889	1.324473	1.049511	0.206952	NaN	Low	0.387448	0.97033
14	AAGCATTCTTTCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.098841	1.999764	0.15493	2.674966	1.715695	0.118969	NaN	Low	0.041951	0.267909
14_	AAGCATTCTTTCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11.19868	0.559934	3.540019	1.721297	0.039725	NaN	Low	0.088654	1.031214
14	AAGCATTCTTTCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.098841	2.399716	0.174928	2.836223	1.720373	0.099228	NaN	Low	0.042972	0.306884
14	AAGTAATTCAGGA	13.46575	4.528326	13.36782	2.594514	3.479177	2.569832	17.67469	1.186176	12.92032	7.0829	5.411071	7.968287	3.990869	7.15809	2.956077	4.1614	2.382892	5.291402	5.494204	0.799905	6.224186	-1.12225	0.76115	0.140369	NaN	Low	8.529929	3.918443
14_	AATCCTTGCTATC	3.107481	0	1.485314	1.297257	0	0	1.039688	0	0	0	1.082214	1.992072	0	0.753483	0	0.594486	2.382892	3.968552	0	3.599575	1.065151	0.75183	1.08202	0.487156	NaN	Low	0.793725	1.336576
14	ACTCCATTTGTTT	8.286617	6.037769	2.970628	14.26983	0	5.139665	1.039688	3.558529	3.523725	1.770725	7.5755	2.988108	3.990869	7.911573	6.897512	2.972429	1.191446	6.614253	323.0592	0.799905	20.5299	4.375859	0.859552	3.56E-07	5.02E-05	OK	1.886783	39.17301
14	AGAGGATACCCTT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.322851	13.18609	0	0.725447	2.915898	1.721644	0.090328	NaN	Low	0.169755	1.281139
14_	AGAGGATACCCTT	0	0	0	0	0	0	0	0	0	0	0	0.996036	0	1.130225	0	0	0	0	21.97682	0	1.205154	3.302849	1.69898	0.051893	NaN	Low	0.221767	2.18854
14	AGGGGGAAAGTT	7.25079	0	0	1.297257	6.958353	5.139665	3.119063	1.186176	5.872875	0.885362	1.082214	2.988108	3.990869	3.767416	3.941436	3.566914	7.148676	3.968552	7.691886	10.79872	4.032717	1.36461	0.619186	0.027533	NaN	Low	2.256023	5.80941
14	ATAGTAGACCGTA	0	0	0	1.297257	0	0	0	0	1.174575	2.656087	1.082214	0.996036	0.665145	2.260449	0.492679	1.783457	1.191446	1.322851	103.291	0	5.910662	4.637135	1.028547	6.53E-06	NaN	Low	0.456707	11.36462
14_	ATAGTAGACCGTA	8.286617	3.018884	2.970628	10.37806	3.479177	2.569832	4.158751	1.186176	5.872875	4.426812	8.657714	1.992072	9.312028	20.34405	11.33163	14.86214	7.148676	13.22851	1686.721	1.599811	91.07725	5.880013	0.885377	NaN	NaN	Outlier	3.041356	179.1132
14	ATAGTGGACCGTA	1.035827	0	0	0	0	0	0	2.372353	0	0	0	0	0.665145	2.260449	0.985359	0.594486	0	0	36.26175	0.399953	2.228766	3.754794	1.115781	0.000765	NaN	Low	0.307434	4.150097
14	ATGACACGATCAC	2.071654	4.528326	4.455941	3.891771	3.479177	7.709497	3.119063	5.930882	3.523725	3.54145	4.328857	0	7.316594	2.637191	4.926795	10.10626	11.91446	13.22851	9.889567	11.99858	5.929915	0.965709	0.623087	0.121171	NaN	Low	4.016166	7.843663
14_	ATGACACGATCAC	2.071654	3.018884	7.426569	7.783541	3.479177	12.84916	6.238126	20.165	19.96777	5.312175	16.23321	4.98018	19.2892	10.17202	11.33163	26.15737	25.02037	29.10271	43.95363	35.59579	15.50741	1.483922	0.645913	0.021596	0.074193	OK	8.168069	22.84675
14	ATTGTGTCAATAT	0	0	0	0	0	0	0	1.186176	0	0	0	0	0	0	0	0	0	0	6.593045	12.39853	1.008888	4.763765	1.454838	0.001059	NaN	Low	0.071637	1.946139
14	CAAAGAATTCTCC	6.214963	0	2.970628	1.297257	3.479177	5.139665	1.039688	0	1.174575	0.885362	2.164428	0.996036	1.995435	2.260449	0.985359	1.783457	0	1.322851	2.197682	3.599575	1.975329	0.686896	0.780514	0.378829	NaN	Low	1.513769	2.43689
14_	CAAAGAATTCTCC	23.82402	6.037769	1.485314	3.891771	10.43753	2.569832	2.079375	8.303235	5.872875	23.01942	9.739928	5.976216	14.96576	15.06966	15.27306	27.34634	7.148676	2.645701	7.691886	11.59863	10.24885	-0.11472	0.730401	0.875193	0.92096	OK	10.65612	9.841577
14	CAAAGAATTCTCC	525.1644	249.058	141.1048	162.1571	386.1886	164.4693	155.9531	128.107	155.0439	306.3354	252.1559	215.1438	305.3015	310.0583	142.3844	342.4238	208.5031	210.3332	221.9658	350.7585	246.6305	0.235528	0.436742	0.589691	0.710802	OK	226.5432	266.7178
14	CAAAGAATTCTCC	1359.005	972.0807	995.1602	547.4424	2494.57	406.0335	762.0911	595.4605	727.0619	735.7362	1260.78	891.4522	1218.213	1140.773	817.8479	1017.165	798.2689	1870.511	1398.824	1455.028	1073.175	0.448099	0.457865	0.327743	0.476629	OK	907.8391	1238.511
14_	CAAAGAATTCTCC	0	1.509442	0	0	3.479177	0	0	0	0	0	1.082214	1.992072	1.33029	0.753483	2.956077	0.594486	0	0	1.098841	0.399953	0.759802	-0.12437	1.116384	0.911298	NaN	Low	0.792531	0.727073
14	CAAAGAATTCTCC	1.035827	0	0	0	0	0	0	0	2.34915	0	0	0	0.332572	0	3.941436	0	0	0	0	0	0.382949	-0.77776	1.119793	0.487336	NaN	Low	0.483744	0.282155
14	CAAAGAATTCTCC	71.47207	36.22661	57.92724	23.35062	198.3131	25.69832	91.49251	43.88853	55.20502	32.75841	96.31707	138.449	133.3616	66.30652	94.59446	49.9368	42.89206	95.24524	154.9366	107.5873	80.79795	0.758844	0.569208	0.18248	0.318483	OK	60.02521	101.5707
14_	CAAAGAATTCTCC	5.179136	7.547211	2.970628	2.594514	24.35424	2.569832	19.75407	9.489411	3.523725	0.885362	19.47986	25.89693	20.95206	7.911573	17.73646	4.755886	2.382892	6.614253	28.56986	11.59863	11.23833	0.841311	0.772945	0.276397	0.424498	OK	8.051309	14.42534
14	CAAAGAATTCTCC	1.035827	0	0	0	13.91671	15.41899	3.119063	1.186176	0	1.770725	6.493285	3.984144	6.651449	2.637191	9.36091	0.594486	2.382892	0	7.691886	3.599575	3.992165	0.497962	0.982546	0.612289	NaN	Low	3.309955	4.674376
14	CAAAGAATTCTCC	1.035827	0	0	0	0	0	0	0	0	0	1.082214	0.996036	0.332572	0	2.463397	0.594486	0	0	0	0.399953	0.345224	-0.38368	1.193418	0.747835	NaN	Low	0.390861	0.299587
14_	CAAGTGCTTACAG	4.143309	1.509442	0	0	0	0	1.039688	0	0	0	0	0	0.332572	2.260449	0	0.594486	1.191446	0	0	0	0.55357	-1.42201	1.191951	0.232866	NaN	Low	0.806252	0.300887
14	CACTCCTGGTACC	5.179136	0	7.426569	1.297257	3.479177	0	0	0	1.174575	1.770725	0	0.996036	0.665145	0	0.985359	0.594486	0	0	0	0	1.178423	-1.95637	1.185487	0.098889	NaN	Low	1.873969	0.482877
14	CATCCCTTGCATG	13.46575	3.018884	7.426569	1.297257	6.958353	2.569832	9.357189	3.558529	1.174575	2.656087	2.164428	2.988108	1.995435	2.637191	0.492679	1.188971	0	0	4.395363	8.79896	3.807208	0.864363	0.841477	0.304327	NaN	Low	2.699635	4.914782
14_	CATTATTACTTTT	23.82402	19.62275	111.3985	115.4559	31.31259	46.25698	41.58751	2.372353	32.8881	77.9119	28.13757	9.960359	39.57612	21.09753	11.82431	14.26766	9.531568	9.259954	19.77913	10.39877	33.82318	-1.09103	0.796828	0.170929	0.304217	OK	46.03595	21.61041
14	CATTATTACTTTT	2.071654	0	0	5.189028	0	0	2.079375	0	1.174575	2.656087	0	0	2.66058	2.260449	1.970718	0	0	1.322851	1.098841	0.399953	1.144206	-0.65388	1.084969	0.546729	NaN	Low	1.399152	0.889259
14	CTACAAAGGAAA	0	0	0	14.26983	0	0	0	0	0	0	1.082214	0	0	0	0	0	0	0	0	0	0.767602	-0.37941	0.938545	0.686027	NaN	Low	0.867959	0.667245
14_	CTACAAAGGAAA	0	0	0	6.486284	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.324314	-0.21221	0.766097	0.781782	NaN	Low	0.348123	0.300505
14	CTACAAAGGAAA	0	0	0	35.02594	0	0	0	0	0	0	1.082214	0	0	0	0	0.594486	0	0	0	0	1.835132	-0.50852	1.020446	NaN	NaN	Low	2.155247	1.515017
14	CTACAAAGGAAA	0	0	0	54.48479	0	0	0	0	0	0	1.082214	0	0	0	0.985359	0	0	0	0	0	2.827618	-0.25664	0.823127	NaN	NaN	Low	3.078461	2.576775
14	CTACAAAGGAAA	0	0	0	64.86284	0	0	0	0	0	0	2.164428	0	0	0	0	0	0	0	0	0	3.351364	-0.12916	0.626937	NaN	NaN	Low	3.501276	3.201451
14	CTACAAAGGAAA	0	0	0	59.67382	0	0	0	0	0	0	2.164428	0	0	0	0	0.594486	0	0	0	0	3.121637	-0.2498	0.81509	NaN	NaN	Low	3.391216	2.852057
14	CTCCAGAGGGAT	0	0	0	16.86434	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.843217	-0.04495	0.388736	0.907944	NaN	Low	0.856352	0.830082
14	CTCCAGAGGGAT	0	0	0	6.486284	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.324314	-0.21221	0.766097	0.781782	NaN	Low	0.348123	0.300505
14	CTCCAGAGGGAT	0	0	0	10.37806	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.518903	-0.0512	0.413278	0.901396	NaN	Low	0.52811	0.509695
14	GCACGTAAATATT	1.035827	0	1.485314	0	0	0	0	0	5.872875	0	0	0	0.332572	0.376742	0	0	0	1.322851	0	0.799905	0.561304	-0.15817	1.193268	0.894545	NaN	Low	0.592044	0.530565
14	GGATATCATCATA	9.322444	0	0	2.594514	0	0	0	0	0	0.885362	0	0	1.33029	0	0.492679	0	1.191446	1.322851	0	0	0.856979	-1.40271	1.191289	0.239006	NaN	Low	1.243605	0.470353
14	GGATATCATCATA	15.53741	0	0	1.297257	0	0	2.079375	0	0	0.885362	0	0	0.665145	0	0.985359	0	0	1.322851	1.098841	0.399953	1.213577	-0.42456	1.191311	0.721558	NaN	Low	1.390866	1.036289
14	GGATATCATCATA	35.21812	0	0	14.26983	3.479177	10.27933	6.238126	3.558529	0	2.656087	1.082214	1.992072	18.95663	4.89764	5.419474	5.350372	13.10591	23.81131	34.06407	5.999291	9.518909	0.998684	0.958096	0.297243	NaN	Low	6.349798	12.68802
14	GTAGATAAAATAT	0	0	0	0	0	0	2.079375	2.372353	1.174575	0	1.082214	5.976216	6.651449	0	3.448756	0	0	0	26.37218	0.399953	2.477854	2.174527	1.170338	0.063164	NaN	Low	0.898689	4.057018
14	GTAGATAAAATAT	2.071654	0	0	0	17.39588	2.569832	7.277814	9.489411	7.04745	0	2.164428	41.83351	16.96119	0	34.98024	11.29523	0	0	184.6053	8.399007	17.30455	2.441829	1.148111	0.033435	0.101436	OK	5.379679	29.22941
14	GTAGATAAAATAT	0	0	0	0	0	0	1.039688	0	1.174575	0	0	0.996036	1.33029	0	4.434115	0.594486	0	0	0	0	0.478459	-1.24122	1.184743	0.294789	NaN	Low	0.672459	0.28446
14	GTAGATAAAATAT	0	0	0	0	0	0	7.277814	0	1.174575	0	3.246643	23.90486	10.97489	0	15.76574	2.972429	3.574338	0	118.6748	1.999764	9.478293	2.586458	1.180523	0.028456	NaN	Low	2.705678	16.25091
14	GTAGTAGGTTGT	0	0	0	0	0	0	0	0	8.222024	0	0	0	0	0	0	0	0	0	0	0	0.411101	-0.05499	0.427258	0.897596	NaN	Low	0.418935	0.403268
14	TAGCAGCACAGA	0	0	0	0	0	2.569832	0	0	0	1.770725	0	0.996036	1.662862	1.506966	1.478038	0	0	0	0	1.199858	0.559216	0.107901	1.182167	0.927275	NaN	Low	0.538313	0.580118

14 TAGCAGCACAGA/	0	0	0	2.594514	0	0	1.039688	0	1.174575	2.656087	2.164428	0	4.323442	1.130225	0	1.188971	1.191446	0	0	2.799669	1.013152	0.365883	1.099549	0.739317	NaN	Low	0.885363	1.140941
14 TAGCAGCACAGA/	266.2076	96.6043	51.98598	81.72718	139.1671	125.9218	284.8744	135.2241	149.171	375.3937	203.4563	165.342	404.4081	296.4956	311.8661	245.5226	238.2892	280.4443	23.07566	222.7737	204.8975	-0.73877	0.606905	0.223501	0.369752	OK	256.2419	153.5532
14 TAGCAGCACAGA/	9.322444	10.56609	0	0	6.958353	5.139665	19.75407	5.930882	1.174575	17.70725	25.97314	31.87315	43.23442	25.24169	31.53149	5.350372	2.382892	7.937103	2.197682	5.199386	12.87373	-1.51305	0.93292	0.104836	0.220887	OK	19.06699	6.680475
14 TAGCAGCACAGA/	1.035827	4.528326	1.485314	1.297257	3.479177	7.709497	7.277814	0	0	4.426812	23.80871	22.90883	32.25953	22.22775	25.61933	2.377943	4.765784	5.291402	0	2.399716	8.644951	-2.03435	1.031282	0.048536	NaN	Low	13.89732	3.392585
14 TAGCAGTACAGA/	15.53741	9.056653	1.485314	2.594514	10.43753	7.709497	10.39688	1.186176	1.174575	1.770725	2.164428	2.988108	1.995435	3.013933	1.478038	1.188971	0	0	0	0	3.708909	-3.20572	1.114769	0.004032	NaN	Low	6.692435	0.725383
14 TAGGTAGTTTCCT	6.214963	0	2.970628	0	0	2.569832	4.158751	0	1.174575	1.770725	0	1.992072	0.332572	0.753483	2.956077	5.350372	0	5.291402	0	2.799669	1.916756	-0.2664	1.03015	0.79594	NaN	Low	2.093225	1.740287
14 TAGGTAGTTTCCT	30.03899	1.509442	11.88251	1.297257	3.479177	0	10.39688	0	31.71352	35.4145	0	21.91279	2.328007	6.404607	17.24378	32.10223	0	13.22851	19.77913	23.59721	13.11643	0.627953	1.023983	0.539714	0.670224	OK	10.3061	15.92675
14 TAGGTAGTTTCCT	29.00316	4.528326	4.455941	3.891771	27.83341	0	6.238126	0	25.84065	48.69494	2.164428	14.94054	2.993152	12.43247	35.9656	52.31474	0	19.84276	3.296522	27.19679	16.08167	-0.05788	1.002565	0.95396	0.96999	OK	16.40423	15.7591
14 TAGGTAGTTTCCT	123.2634	28.6794	34.16222	6.486284	222.6673	15.41899	80.05595	1.186176	138.5998	107.1289	1.082214	22.90883	8.979456	41.44157	154.2087	153.9718	0	48.94547	54.94204	181.5785	71.28535	0.655414	1.008571	0.515793	0.650249	OK	55.36582	87.20489
14 TAGGTAGTTTCCT	2.071654	0	1.485314	0	0	0	0	0	0	0.885362	0	0	0	0	5.912153	2.377943	0	0	0	3.199622	0.796602	0.549519	1.186726	0.643326	NaN	Low	0.646699	0.946506
14 TAGGTAGTTTCCT	17.60906	3.018884	4.455941	0	20.87506	7.709497	15.59531	0	16.44405	10.62435	0	2.988108	1.662862	2.637191	23.64861	14.86214	0	5.291402	5.494204	31.99622	9.245645	0.970909	0.9833	0.323447	NaN	Low	6.246899	12.24439
14 TAGGTAGTTTCCT	5.179136	0	0	0	3.479177	0	2.079375	0	0	1.770725	0	0	0	0	0	0	0	0	3.296522	0.799905	0.830242	0.821597	1.18836	0.489333	NaN	Low	0.600024	1.06046
14 TAGGTAGTTTCCT	6.214963	3.018884	2.970628	0	17.39588	0	7.277814	0	3.523725	0.885362	0	1.992072	0	2.260449	8.86823	10.70074	0	0	2.197682	9.598866	3.845265	0.564799	1.081259	0.601425	NaN	Low	3.102044	4.588486
14 TAGGTAGTTTCCT	151.2308	57.3588	40.10347	3.891771	194.8339	12.84916	134.1197	3.558529	119.8066	162.0213	0	65.73837	10.64232	43.70202	116.765	114.1413	0	44.97692	60.43625	157.1814	74.66788	0.481141	1.008629	0.633345	0.746983	OK	62.3311	87.00467
14 TAGGTAGTTTCCT	8.286617	9.056653	4.455941	0	6.958353	0	16.635	0	9.396599	13.28044	0	14.94054	0.665145	3.767416	7.390192	8.917286	0	3.968552	8.790727	12.39853	6.4454	0.662592	0.952046	0.48645	NaN	Low	4.990777	7.900022
14 TAGGTAGTTTCCT	7.25079	3.018884	1.485314	0	10.43753	0	4.158751	1.186176	7.04745	15.93652	0	6.972252	0	5.651124	10.34627	11.29523	0	0	3.296522	7.199149	4.764098	0.122618	1.041542	0.906284	NaN	Low	4.561765	4.966432
14 TAGGTAGTTTTCT	9.322444	0	4.455941	0	3.479177	5.139665	0	0	4.6983	5.312175	0	0	0	0.753483	0.985359	1.783457	0	1.322851	0	0.399953	1.88264	-1.56359	1.163502	0.178993	NaN	Low	2.813461	0.95182
14 TAGGTAGTTTTCT	13.46575	3.018884	1.485314	0	38.27094	2.569832	4.158751	0	8.222024	4.426812	0	2.988108	0.665145	0.753483	1.970718	3.566914	0	0	0	0.799905	4.318129	-1.8841	1.125197	0.09404	NaN	Low	6.795318	1.840941
14 TAGGTAGTTTTCT	15.53741	0	1.485314	1.297257	6.958353	0	2.079375	0	8.222024	0.885362	0	0.996036	0	0.376742	0.985359	2.377943	0	0	1.098841	0.799905	2.154996	-0.77392	1.137195	0.496153	NaN	Low	2.719539	1.590453
14 TAGTAGCACAGA/	52.82718	21.13219	11.88251	16.86434	6.958353	10.27933	17.67469	8.303235	17.61862	14.1658	10.82214	10.9564	19.2892	3.767416	3.941436	8.917286	5.95723	3.968552	0	1.199858	12.32629	-3.37597	0.868092	0.000101	0.001482	OK	22.4866	2.165982
14 TAGTAGCACAGA/	221.667	98.11374	25.25033	46.70125	86.97942	43.68715	72.77814	52.19176	95.14057	49.5803	32.46643	28.88504	80.48253	32.39978	29.56077	57.07063	14.29735	9.259954	0	6.799197	54.16557	-3.4562	0.772926	7.76E-06	0.000284	OK	99.28497	9.046159
14 TAGTAGCACAGA/	11.3941	3.018884	0	0	3.479177	2.569832	4.158751	2.372353	2.34915	1.770725	3.246643	2.988108	4.323442	3.390674	1.970718	0	0	0	0	0	2.351628	-2.88047	1.134951	0.01115	NaN	Low	4.140928	0.562327
14 TAGTAGTACAGA/	7.25079	1.509442	0	1.297257	0	2.569832	1.039688	0	1.174575	0	0	0	0.997717	0	0	0	0	0	0	0	0.791965	-1.36796	1.190329	0.250463	NaN	Low	1.141621	0.442309
14 TCCCTGAGACCCT	1.035827	0	8.911883	1.297257	0	2.569832	0	1.186176	4.6983	2.656087	11.90436	8.964323	0.997717	0	2.463397	0	0	0	4.395363	0.799905	2.594021	-0.04184	1.103433	0.969755	NaN	Low	2.631632	2.556411
14 TCCCTGAGACCCT	7.25079	0	16.33845	3.891771	0	25.69832	1.039688	1.186176	3.523725	10.62435	21.64428	24.9009	1.995435	1.883708	0.985359	0	2.382892	2.645701	4.395363	4.39948	6.73932	-0.48758	1.016392	0.63143	NaN	Low	7.867425	5.611215
14 TCCCTGAGACCCT	9.322444	6.037769	16.33845	6.486284	3.479177	97.65363	4.158751	15.42029	62.25247	21.2487	108.2214	61.75423	9.644601	5.651124	9.853589	1.188971	4.765784	9.259954	14.28493	8.399007	23.77108	-0.91074	0.948048	0.336728	0.486607	OK	31.03454	16.50762
14 TCCCTGAGACCCT	26.93151	33.20773	29.70628	11.67531	17.39588	462.5698	18.71438	37.95764	230.2167	54.00711	237.0049	109.564	36.91554	37.67416	43.84847	4.755886	23.82892	15.87421	95.59915	70.79163	79.91196	0.056564	0.925703	0.951277	0.969968	OK	78.34561	81.47831
14 TCCCTGAGACCCT	4.143309	9.056653	1.485314	2.594514	0	61.67598	0	3.558529	32.8881	7.968262	16.23321	14.94054	3.325724	3.767416	6.897512	0.594486	2.382892	2.645701	8.790727	6.399244	9.467406	-0.24689	0.988601	0.80279	NaN	Low	10.27552	8.659289
14 TCCCTGAGACCCT	7.25079	1.509442	7.426569	5.189028	6.958353	136.2011	2.079375	5.930882	76.34737	14.1658	114.7147	56.77405	13.96804	11.67899	20.19986	1.783457	3.574338	15.87421	27.47102	14.79825	27.19478	-0.30596	0.989567	0.757176	0.840033	OK	30.06774	24.32182
14 TCCCTGAGACCCT	0	6.037769	7.426569	0	3.479177	2.569832	0	1.186176	2.34915	3.54145	2.164428	2.988108	2.993152	2.260449	2.463397	1.188971	0	1.322851	2.197682	2.399716	2.328444	0.039118	0.820443	0.961972	NaN	Low	2.296879	2.360009
14 TCCCTGAGACCCT	10.35827	22.64163	38.61816	9.080798	13.91671	15.41899	14.55563	15.42029	15.26947	20.36334	16.23321	9.960359	15.6309	10.54876	8.86823	5.350372	8.340122	7.937103	10.98841	13.99835	14.17496	-0.14426	0.507684	0.776293	0.852367	OK	14.88307	13.46685
14 TCCCTGAGACCCT	128.4426	608.3052	448.5648	184.2105	167.0005	167.0391	123.7228	143.5273	133.9015	247.0161	178.5653	50.79783	152.6508	129.2224	92.62374	98.68463	109.613	108.4737	78.0177	131.9844	174.1182	-0.7328	0.596229	0.219053	0.364841	OK	217.4118	130.8246
14 TCCCTGAGACCCT	496.1612	1731.33	1255.09	485.1741	681.9186	668.1564	404.4385	569.3647	353.5471	661.3658	722.9191	177.2944	545.4188	543.2613	572.9862	363.2308	524.2363	480.1948	347.2337	531.5372	605.743	-0.4805	0.508094	0.344307	0.49213	OK	705.6941	505.7918
14 TCCCTGAGACCCT	172.9831	461.8893	356.4753	132.3202	483.6056	249.2737	257.8425	200.4638	118.6321	230.1942	292.1978	44.82162	215.5069	262.5889	350.2951	189.6409	440.835	504.0061	447.2282	351.5585	288.118	0.507826	0.537665	0.344913	0.49213	OK	237.9266	338.3093
14 TCCCTGAGACCCT	46.61222	137.3592	102.4867	54.48479	198.3131	102.7933	96.69095	109.1282	43.45927	48.69494	94.15264	14.94054	116.4004	132.613	235.0081	46.96437	206.1202	190.4905	365.914	175.1793	125.8903	1.208697	0.621948	0.051967	0.137004	OK	76.03704	175.7435
14 TCCCTGAGACCCT	50.75553	119.2459	50.50067	23.35062	125.2504	61.67598	110.2069	37.95764	14.0949	41.61204	103.8926	11.95243	72.50079	46.33921	89.66766	34.48017	51.23218	71.43393	147.2447	67.59201	66.54931	0.741822	0.605674	0.220655	0.366273	OK	49.80702	83.2916
14 TCCCTGAGACCTT	15.53741	33.20773	40.10347	11.67531	34.79177	12.84916	11.43656	15.42029	12.92032	1.770725	11.90436	1.992072	5.986304	5.274382	4.926795	4.1614	2.382892	0	4.395363	3.999527	11.73679	-1.28173	0.865881	0.138803	0.261682	OK	16.63258	6.841005
14 TCCCTGAGACCTT	6.214963	3.018884	7.426569	1.297257	10.43753	2.569832	3.119063	1.186176	2.34915	0.885362	2.164428	0	1.995435	0	1.970718	1.783457	1.191446	1.322851	0	0	2.446656	-2.92125	1.131147	0.009807	NaN	Low	4.322663	0.570649
14 TCCCTGAGACTCT	4.143309	0	19.30908	2.594514	0	10.27933	1.039688	0	17.61862	5.312175	15.151	5.976216	1.33029	0.753483	0.985359	0	0	1.322851	0	0.399953	4.310793	-2.28516	1.129966	0.043142	NaN	Low	7.15388	1.467707
14 TCCCTGAGACTCT	193.6997	105.6609	314.8865	128.4284	90.45859	1737.207	45.74626	113.8729	1545.741	106.2435	708.8503	323.7117	50.21844	46.33921	54.68742	7.728315	19.06314	15.87421	60.43625	29.19655	284.9025	-2.01065	1.018653	0.048401	0.130036	OK	456.5155	113.2895
14 TCCCTGAGACTCT	12.42993	9.056653	8.911883	9.080798	3.479177	61.67598	3.119063	9.489411	46.983	14.1658	14.06878	6.972252	2.66058	1.130225	0.492679	0	0	0	4.395363	1.199858	10.46557	-1.39967	1.063555	0.188164	0.323223	OK	15.17832	5.752826
14 TCCCTGAGACTCT	8.286617	7.547211	19.30908	6.486284	0	5.139665	5.198438	4.744705	3.523725	4.426812	1.082214	2.988108	1.662862	0.376742	0.985359	1.188971	2.382892	0	0	0.799905	3.80648	-2.16359	1.016622	0.033319	NaN	Low	6.223804	1.389155
14 TCCCTGAGACTCT	15.53741	64.90601	68.32443	28.53965	17.39588	23.12849	8.317501	13.04794	11.74575	11.50971	12.98657	5.976216	7.981739	4.520899	5.419474	3.566914	4.765784	0	3.296522	3.599575	15.72832	-1.85885	0.891073	0.036971	0.10817	OK	24.65844	6.798211
14 TCCCTGAGACTCT	251.706	726.0417	736.7156	323.017	299.2092	192.7374	125.8022	234.8629	142.1236	128.3776	147.1811	35.85729	122.7192	75.34831	60.59957	58.85409	70.29532	37.03982	31.86638	39.99527	192.0175	-2.20039	0.782909	0.004946	0.025269	OK	315.4086	68.6264
14 TCCCTGAGACTCT	90.11696	236.9824	152.9873	76.53816	184.3964	56.53631	56.14313	64.05352	44.63385	28.3316	33.54864	8.964323	20.28692	17.70685	17.73646	22.59046	27.40326	21.16561	16.48261	9.598866	59.31018	-1.97962	0.802272	0.013605	0.051794	OK	94.6271	23.99327
14 TCCCTGAGACTCT	136.7292	178.1142	185.6642	79.13267	257.4591	95.0838	75.8972	74.72911	44.63385	19.47797	35.71307	6.972252	32.25953	26.37191	23.64861	25.56289	29.78615	18.51991	40.65711	19.59768	70.30052	-1.12719	0.80456	0.161212	0.29157	OK	96.44706	44.15397
14_TCCCTGAGACTCT	22.7882	15.09442	26.73565	24.64788	41.75012	20.55866	28.07157	14.23412	11.74575	6.197537	8.657714	0.996036	13.63547	9.418539	6.897512	4.755886	7.148676	6.614253	10.98841	3.199622	14.2068	-0.98182	0.715942	0.170259	0.304122	OK	18.86268	9.550922
14 TCCCTGAGACTCT	35.21812	72.45322	50.50067	19.45885	69.58353	38.54749	28.07157	11.86176	7.04745	3.54145	22.7265	2.988108	15.96348	6.027865	8.375551	8.3228	3.574338	3.968552	6.593045	2.399716	20.8612	-1.93216	0.874046	0.027064	0.087491	OK	33.05961	8.662802
14 TCCCTGAGATCCT	10.35827	36.22661	40.10347	19.45885	6.958353	12.84916	6.238126	18.97882	19.96777	6.197537	9.739928	2.988108	2.328007	3.767416	0.985359	2.972429	3.574338	0	0	3.999527	10.3846	-1.82433	0.952612	0.055482	0.143584	OK	16.19592	4.573286
14_TCCCTGAGATCCT	110.8335	230.9446	267.3565	85.61895	100.8961	56.53631	33.27001	48.63323	45.80842	31.87305	28.13757	6.972252	21.28464	14.31618	12.31699	11.29523	13.10591	5.291402	5.494204	4.799433	56.73923	-2.84281	0.910922	0.001804	0.011855	OK	99.5959	13.88256
14 TCCCTGAGATCCT	40.39726	81.50988	65.35381	25.94514	24.35424	15.41899	13.51594	11.86176	19.96777	8.853625	10.82214	0.996036	4.656014	6.781348	2.956077	4.1614	3.574338	1.322851	4.395363	1.599811	17.42219	-2.09983	0.942386	0.025867	0.084452	OK	28.2533	6.591076
14 TCCCTGTCCTCCA(	1.035827	1.509442	2.970628	9.080798	0	5.139665	2.079375	5.930882	1.174575	0.885362	0	1.992072	0.332572	0.376742	0	2.377943	1.191446	3.968552	3.296522	1.199858	2.227113	0.01325	0.956684	0.988949	NaN	Low	2.216886	2.23734
14 TCCCTGTCCTCCA(	8.286617	27.16996	29.70628	46.70125	3.479177	17.98883	24.9525	23.72353	3.523725	23.01942	11.90436	25.89693	11.30746	10.17202	16.25842	18.42906	2.382892	27.77986	25.27334	15.99811	18.69769	0.132879	0.636835	0.834717	0.893628	OK	17.83722	19.55815
14 TCCCTGTCCTCCA(	9.322444	16.60386	26.73565	36.32319	0	12.84916	17.67469	16.60647	9.396599	11.50971	8.657714	9.960359	6.984021	7.911573	8.375551	20.807	8.340122	10.5828	18.68029	9.198913	13.32601	0.028037	0.5696	0.960742	0.973579	OK	13.19652	13.45549
14 TCCCTGTCCTCCA(	0	1.509442	0	1.297257	0	0	0	1.186176	0	0	0	0	0.665145	0.376742	2.463397	0	0	2.645701	0	0	0.507193	-1.43445	1.19227	0.228927	NaN	Low	0.740434	0.273952
14 TCCCTGTCCTCCA(	3.107481	7.547211	2.970628	11.67531	0	2.569832	7.277814	3.558529	3.523725	2.656087	1.082214	2.988108	1.33029	1.130225	2.463397	3.566914	0	0	6.593045	3.999527	3.402017	0.626032	0.772871	0.417935	NaN	Low	2.675263	4.128771
14 TCCCTGTCCTCCA(	0	0	0	0	0	5.139665	4.158751	3.558529	2.34915	1.770725	0	3.984144	0.665145	0.753483	1.478038	0.594486	2.382892	5.291402	6.593045	5.199386	2.195942	1.52616	0.851665	0.073138	NaN	Low	1.131876	3.260008
14 TCCCTGTCCTCCA(	0	0	0	1.297257	0	0	2.079375	3.558529	0	7.0829	2.164428	3.984144	0.332572	1.506966	1.970718	0	1.191446	1.322851	1.098841	0	1.379501	-1.18374	1.111386	0.286828	NaN	Low	1.915698	0.843305
14_TCCTTGAGATCCT	18.64489	24.15107	32.6769	9.080798	13.91671	2.569832	1.039688	4.744705	0	1.770725	0	0.996036	2.66058	0.753483	1.478038	0	1.191446	1.322851	0	0	5.849888	-2.85542	1.141401	0.012361	NaN	Low	10.27941	1.420369
14 TCCTTGAGATCCT	6.214963	12.07554	11.88251	2.594514	6.958353	2.569832	1.039688	1.186176	4.6983	0	0	0	0.665145	0	0	0.594486	0	0	0	0	2.523975	-2.11325	1.180395	0.073407	NaN	Low	4.100273	0.947678
14 TCCTTGTCCTCCA(	1.035827	4.528326	5.941255	3.891771	0	5.139665	4.158751	3.558529	0	1.770725	2.164428	5.976216	0.665145	0	0.492679	0	0	0	0	0.399953	1.986164	-1.79609	1.1231	0.109771	NaN	Low	3.084214	0.888113
14_TCTCTGAGACCCT	3.107481	0	4.455941	0	0	20.55866	1.039688	0	8.222024	0	4.328857	0.996036	0.997717	0	0	0	1.191446	0	0	0	2.244893	-1.76221	1.191692	0.139208	NaN	Low	3.467561	1.022224
14 TCTCTGAGACCCT	14.50158	3.018884	13.36782	6.486284	3.479177	87.3743	0	1.186176	81.04567	2.656087	42.20635	13.9445	4.323442	3.390674	6.404833	0.594486	4.765784	1.322851	2.197682	0.799905	14.65333	-2.24075	1.069315	0.036127	0.106332	OK	24.18885	5.1178
14 TCTCTGAGACCCT	1.035827	0	0	1.297257	0	23.12849	1.039688	1.186176	15.26947	0	6.493285	0.996036	0.665145	0.753483	0.985359	0.594486	0	0	1.098841	0.399953	2.747175	-1.1537	1.144462	0.313419	NaN	Low	3.790591	1.70376
14_TCTCTGAGACCCT	32.11064	60.37769	54.95661	29.83691	6.958353	12.84916	7.277814	14.23412	5.872875	7.0829	3.246643	1.992072	5.653732	4.144157	1.478038	4.755886	1.191446	2.645701	1.098841	4.39948	13.10815	-1.77463	0.961132	0.064835	0.1575	OK	20.28702	5.929284
14 TCTCTGAGACCCT	67.32877	218.8691	197.5467	106.3751	66.10436	38.54749	32.23032	43.88853	46.983	30.98769	35.71307	7.968287	23.94522	10.54876	19.2145	18.42906	11.91446	3.968552	4.395363	7.599102	49.62787	-2.58632	0.872322	0.003028	0.017563	OK	85.0878	14.16794
14 TCTCTGAGACCCT	21.75237	58.86824	50.50067	27.24239	34.79177	17.98883	6.238126	14.23412	12.92032	5.312175	8.657714	1.992072	3.658297	1.883708	5.912153	1.783457	0	2.645701	5.494204	3.199622	14.2538	-1.41336	0.95392	0.138438	0.261682	OK	20.72622	7.781371
14 TCTCTGAGACCCT	41.43309	61.88713	46.04473	25.94514	62.62518	38.54749	32.23032	32.02676	15.26947	8.853625	15.151	1.992072	7.649166	7.534831	8.375551	5.944857	13.10591	3.968552	9.889567	6.399244	22.24368	-1.31926	0.802695	0.100272	0.215695	OK	31.75988	12.72749
14 TCTCTGAGACCCT	7.25079	10.56609	11.88251	7.783541	17.39588	0	9.357189	7.117058	1.174575	1.770725	2.164428	0	2.993152	3.013933	2.463397	0	1.191446	1.322851	2.197682	0.799905	4.522258	-1.32358	0.966689	0.170939	NaN	Low	6.462487	2.582029
14 TCTCTGAGACCCT	4.143309	3.018884	8.911883	2.594514	31.31259	2.569832	4.158751	4.744705	0	0	7.5755	0	2.328007	2.637191	0.492679	1.188971	2.382892	0	1.098841	0.399953	3.977925	-1.68271	1.061443	0.112898	NaN	Low	6.066235	1.889615
14_TCTCTGAGATCCT	20.71654	39.2455	46.04473	12.97257	10.43753	12.84916	3.119063	1.186176	4.6983	2.656087	1.082214	0	0	0.376742	0.985359	1.188971	0	0	0	0	7.877947	-2.59478	1.157795	0.025017	NaN	Low	13.51815	2.23774
14 TCTCTGAGATCCT	11.3941	19.62275	23.76502	7.783541	6.958353	0	3.119063	0	1.174575	0.885362	1.082214	0	0.665145	0	0	0.594486	0	0	1.098841	0	3.907172	-1.41121	1.179472	0.23151	NaN	Low	5.679047	2.135298
14 TCTGGCTCCGTGT	10.35827	4.528326	50.50067	14.26983	0	41.11732	41.58751	49.81941	9.396599	0.885362	9.739928	9.960359	8.314311	6.781348	4.434115	13.67317	7.148676	35.71697	67.02929	140.3834	26.28224	2.225234	0.837098	0.007854	0.03602	OK	9.261049	43.30344
14_TCTGGCTCCGTGT	12.42993	7.547211	166.3551	77.83541	0	33.40782	80.05595	110.3144	8.222024	0	6.493285	25.89693	12.30518	10.92551	8.86823	12.4842	13.10591	29.10271	109.8841	239.1717	48.22028	1.895289	0.981779	0.053549	0.140799	OK	20.43248	76.00809
14 TCTGGCTCCGTGT	22.7882	12.07554	259.9299	77.83541	6.958353	77.09497	357.6526	144.7135	31.71352	7.0829	24.89093	52.7899	19.62177	30.51607	34.48756	17.83457	20.25458	124.348	240.6461	461.1455	101.219	1.897094	0.902975	0.035647	0.105232	OK	42.84745	159.5905
14 TCTGGCTCCGTGT	0	1.509442	14.85314	2.594514	3.479177	2.569832	28.07157	16.60647	1.174575	0.885362	0	4.98018	2.993152	1.883708	6.897512	0.594486	2.382892	5.291402	12.08725	39.99527	7.442497	1.865665	0.95967	0.051887	NaN	Low	3.204962	11.68003
14_TCTGGCTCCGTGT	21.75237	39.2455	396.5788	124.5367	6.958353	48.82682	355.5732	224.1873	51.6813	4.426812	35.71307	70.71855	43.56699	40.68809	49.26795	10.70074	25.02037	47.62262	109.8841	314.7628	101.0856	1.043474	0.918016	0.25568	0.402073	OK	66.04344	136.1278
14 TCTGGCTCCGTGT	1.035827	1.509442	2.970628	0	6.958353	7.709497	9.357189	2.372353	0	1.770725	2.164428	0.996036	1.33029	1.883708	0.985359	0.594486	0	1.322851	4.395363	10.39877	2.887765	1.611917	0.828114	0.051596	NaN	Low	1.423744	4.351786
14 TCTGGCTCCGTGT	6.214963	10.56609	98.03071	33.72868	0	20.55866	75.8972	56.93647	12.92032	1.770725	3.246643	13.9445	6.651449	6.781348	3.448756	2.972429	4.765784	6.614253	43.95363	51.19395	23.00983	0.998863	0.956847	0.296527	0.446397	OK	15.34795	30.67171
14 TCTGGCTCCGTGT	0	0	8.911883	7.783541	0	12.84916	7.277814	13.04794	1.174575	0	0	0.996036	0.665145	1.506966	0.492679	2.972429	0	0	6.593045	9.998818	3.713502	1.040078	1.086965	0.338636	NaN	Low	2.430033	4.99697
14_TCTGGCTCCGTGT	0	9.056653	7.426569	5.189028	0	5.139665	11.43656	7.117058	1.174575	0	2.164428	0	0	0	0	0	0	0	0	1.599811	2.515218	-0.76474	1.192183	0.52122	NaN	Low	3.166669	1.863766
14 TCTGGCTCTGTGT	1.035827	0	22.27971	10.37806	0	0	1.039688	3.558529	2.34915	0	0	0	0.332572	0	0	0	0	0	0	1.999764	2.148665	-0.46264	1.189575	0.69734	NaN	Low	2.490259	1.807071
14_TCTGGCTCTGTGT	1.035827	3.018884	50.50067	11.67531	0	7.709497	11.43656	5.930882	3.523725	0	1.082214	0.996036	1.995435	1.130225	0	0	0	0	1.098841	3.199622	5.216687	-0.79818	1.146846	0.48644	NaN	Low	6.624057	3.809316
14_TCTGGCTCTGTGT	2.071654	3.018884	75.751	18.1616	0	7.709497	32.23032	11.86176	10.57117	0	0	0.996036	0.665145	0.753483	0.985359	0.594486	0	0	1.098841	4.39948	8.543436	-0.99028	1.154236	0.390916	NaN	Low	11.36565	5.721223
14 TCTGGTTCCGTGT	2.071654	0	53.4713	5.189028	0	7.709497	4.158751	10.67559	4.6983	0	1.082214	0	0.665145	0.753483	0.492679	0	0	1.322851	3.296522	1.999764	4.879339	-0.57155	1.151265	NaN	NaN	Low	5.833409	3.925268
14_TCTGGTTCCGTGT	1.035827	0	28.22096	6.486284	0	0	5.198438	3.558529	0	0	0	0	0.332572	0	0	0	0	1.322851	1.098841	2.799669	2.502699	-0.17176	1.193337	0.885553	NaN	Low	2.651504	2.353894
14_TGATATGTTTGAT	5.179136	1.509442	1.485314	1.297257	0	0	2.079375	2.372353	2.34915	7.0829	3.246643	8.964323	1.995435	1.883708	4.926795	2.377943	1.191446	0	1.098841	1.199858	2.511996	-1.09123	0.869441	0.209443	NaN	Low	3.419171	1.604821
14 TGATATGTTTGAT	3.107481	0	1.485314	1.297257	10.43753	0	4.158751	3.558529	3.523725	2.656087	0	3.984144	0.665145	2.260449	2.956077	3.566914	4.765784	7.937103	2.197682	3.599575	3.107877	0.043718	0.757983	0.954006	NaN	Low	3.060792	3.154963
14_TGGAGAGAAAGG	6.214963	0	0	1.297257	0	0	1.039688	0	0	0	1.082214	0.996036	0.665145	0	1.970718	1.783457	2.382892	0	3.296522	1.199858	1.096438	0.776313	1.061887	0.464737	NaN	Low	0.808359	1.384516
14_TGGAGAGAAAGG	0	6.037769	0	0	0	0	1.039688	0	1.174575	0	1.082214	0	1.33029	1.130225	2.463397	0	2.382892	0	8.790727	1.599811	1.351579	1.806321	1.054811	0.086812	NaN	Low	0.601037	2.102122
14 TGGAGTGTGACA/	0	0	0	0	0	0	0	0	0	0	0	13.9445	0	1.130225	0	1.188971	0	1.322851	0	0	0.879327	-0.75662	1.114124	0.497063	NaN	Low	1.104766	0.653889
14 TGGAGTGTGACA/	0	0	0	0	0	0	0	0	0	0	0	121.5164	0	6.404607	1.478038	16.6456	0	21.16561	0	0	8.360512	-0.48652	1.008743	NaN	NaN	Low	9.757022	6.964002
14_TGGAGTGTGACA/	0	0	0	0	0	0	0	0	0	0	0	115.5402	0	7.15809	1.970718	16.6456	1.191446	25.13416	0	0	8.382009	-0.63934	1.077579	NaN	NaN	Low	10.20946	6.554558
14 TGTAACAGCAACT	1.035827	1.509442	0	1.297257	0	0	4.158751	1.186176	0	0	1.082214	5.976216	1.662862	3.390674	1.478038	4.1614	0	3.968552	1.098841	0.799905	1.640308	-0.79985	0.985577	0.417044	NaN	Low	2.083715	1.196901
14 TGTAACAGCAACT	0	0	0	1.297257	0	0	0	0	0	1.770725	0	5.976216	2.328007	1.883708	3.448756	4.755886	0	5.291402	2.197682	2.799669	1.587465	0.458426	1.085008	0.672653	NaN	Low	1.337352	1.837578
14_TGTAACAGCAACT	1.035827	0	0	1.297257	3.479177	5.139665	2.079375	1.186176	0	0	0	17.92865	2.66058	6.027865	5.912153	2.972429	14.29735	18.51991	1.098841	7.599102	4.561718	-0.02478	1.05582	0.981272	NaN	Low	4.6009	4.522535
14 TGTAACAGCAACT	0	0	0	2.594514	0	0	0	0	0	0	1.082214	0.996036	0.332572	0.376742	0.985359	0	0	2.645701	1.098841	1.999764	0.605587	1.199934	1.098238	0.27457	NaN	Low	0.367324	0.84385
14 TGTAACAGCAACT	5.179136	0	0	0	0	2.569832	1.039688	0	3.523725	0	0	0.996036	0.665145	0.376742	0.492679	1.783457	0	0	1.098841	0.399953	0.906262	-0.2892	1.119133	0.796088	NaN	Low	0.996792	0.815731
14_TGTAATAGCAACT	5.179136	0	0	0	0	0	1.039688	2.372353	0	0	1.082214	0	0.332572	0	0	1.188971	0	1.322851	0	0	0.625889	-1.39948	1.191365	0.240119	NaN	Low	0.907701	0.344077
14 TTCCTGAGACCCT	4.143309	1.509442	0	0	0	5.139665	0	2.372353	9.396599	0	6.493285	1.992072	1.33029	0.376742	0.492679	0	0	1.322851	1.098841	0	1.783406	-1.19438	1.141119	0.295248	NaN	Low	2.482171	1.084642
14 TTCCTGAGACCCT	10.35827	16.60386	19.30908	3.891771	0	95.0838	4.158751	4.744705	85.74397	1.770725	41.12414	14.94054	1.995435	1.883708	1.478038	0	0	0	2.197682	1.599811	15.34421	-1.83034	1.124901	0.103714	0.219583	OK	23.9529	6.735527
14_TTCCTGAGACCCT	2.071654	0	2.970628	1.297257	0	23.12849	0	0	16.44405	0.885362	6.493285	5.976216	0.665145	0	0.985359	0	0	0	2.197682	0.799905	3.195752	-0.66323	1.164699	0.569055	NaN	Low	3.917652	2.473851
14 TTCCTGAGACCCT	2.071654	6.037769	7.426569	9.080798	0	2.569832	0	0	2.34915	2.656087	1.082214	0	0	0.376742	0	0.594486	0	1.322851	0	0	1.778408	-2.11555	1.179663	0.072917	NaN	Low	2.889939	0.666876
14 TTCCTGAGACCCT	17.60906	64.90601	54.95661	16.86434	10.43753	12.84916	4.158751	10.67559	12.92032	7.0829	6.493285	0.996036	3.658297	4.144157	1.970718	3.566914	2.382892	2.645701	1.098841	2.799669	12.11084	-2.06512	0.955646	0.030698	0.09609	OK	19.5499	4.671774
14_TTCCTGAGACCCT	56.97049	215.8502	106.9426	53.18753	55.66683	48.82682	34.30969	46.26088	37.5864	34.52914	32.46643	4.98018	21.94978	21.85101	11.33163	10.70074	16.68024	13.22851	8.790727	8.79896	42.04544	-2.0381	0.798652	0.010713	0.044012	OK	67.62525	16.46563
14 TTCCTGAGACCCT	50.75553	98.11374	47.53004	33.72868	59.146	35.97765	32.23032	29.65441	27.01522	8.853625	14.06878	0	10.97489	10.54876	9.853589	8.3228	3.574338	10.5828	9.889567	5.599338	25.321	-1.51506	0.858532	0.077614	0.180064	OK	37.51585	13.12616
14 TTCCTGAGACCCT	43.50474	61.88713	50.50067	28.53965	83.50024	33.40782	40.54782	37.95764	16.44405	4.426812	15.151	0.996036	13.63547	6.781348	5.419474	4.1614	5.95723	7.937103	19.77913	3.999527	24.22671	-0.92133	0.87357	0.291575	0.441617	OK	31.70991	16.74352
14_TTCCTGAGACCCT	11.3941	21.13219	11.88251	9.080798	10.43753	2.569832	7.277814	10.67559	2.34915	0	5.411071	0	3.325724	3.390674	4.434115	1.783457	4.765784	0	10.98841	1.999764	6.144925	0.061564	0.889564	0.944825	NaN	Low	6.013834	6.276016
14 TTCCTGAGACCCT	5.179136	27.16996	5.941255	3.891771	10.43753	10.27933	5.198438	2.372353	4.6983	0.885362	3.246643	0	4.656014	1.506966	0.985359	1.188971	0	0	3.296522	1.999764	4.646684	-0.64094	0.969174	0.508405	NaN	Low	5.662212	3.631155
14 TTCCTGAGACCTT	4.143309	7.547211	4.455941	6.486284	3.479177	5.139665	3.119063	0	5.872875	0	0	0	0	0	0.492679	0	1.191446	0	0	0	2.096382	-2.01117	1.18433	0.08948	NaN	Low	3.359392	0.833373
14_TTCCTGAGACTCT.	17.60906	12.07554	16.33845	1.297257	0	82.23464	6.238126	2.372353	66.95077	2.656087	17.31543	0.996036	0.332572	1.506966	0.985359	0	2.382892	0	0	0	11.56458	-2.75646	1.14916	0.016455	0.059212	OK	20.14758	2.981574
14 TTCCTGAGACTCT	25.89568	52.83047	74.26569	12.97257	10.43753	7.709497	4.158751	8.303235	3.523725	2.656087	2.164428	1.992072	1.662862	2.637191	0.492679	0.594486	1.191446	0	0	1.199858	10.73441	-2.47402	1.094511	0.023797	0.07981	OK	18.19409	3.274737
14 TTCCTGAGACTCT	14.50158	18.11331	19.30908	3.891771	10.43753	5.139665	2.079375	1.186176	3.523725	1.770725	3.246643	0	1.33029	0	0.985359	1.188971	0	0	0	0.399953	4.355207	-2.33943	1.120643	0.036836	NaN	Low	7.273298	1.437117
14_TTTCTGAGACCCT.	0	1.509442	2.970628	0	0	5.139665	0	0	9.396599	0	3.246643	0.996036	0	0	0	0	0	0	0	0	1.162951	-1.15445	1.178059	0.327105	NaN	Low	1.604915	0.720986
14 TTTCTGAGACCCT	7.25079	31.69828	22.27971	3.891771	0	5.139665	2.079375	2.372353	3.523725	0.885362	1.082214	0	1.33029	0.376742	0.985359	0.594486	0	0	0	0.399953	4.194504	-2.19425	1.13932	0.054113	NaN	Low	6.884663	1.504344
14 TTTCTGAGACCCT	7.25079	22.64163	14.85314	11.67531	17.39588	5.139665	2.079375	2.372353	5.872875	0	0	0.996036	0.332572	0.376742	0	0	0	0	0	0	4.549319	-2.29026	1.173077	0.050897	NaN	Low	7.554251	1.544386
14_TTTCTGAGACCCT	10.35827	10.56609	4.455941	1.297257	48.70847	2.569832	3.119063	3.558529	0	0	2.164428	0	0.332572	0	0	0	0	0	0	0	4.356523	-1.75	1.192087	0.1421	NaN	Low	6.716288	1.996759
15 AAAGACATAGGA	1.035827	0	0	0	0	10.27933	1.039688	1.186176	1.174575	0	0	0	2.993152	0	0.492679	0	3.574338	6.614253	6.593045	2.799669	1.889137	1.16858	1.117234	0.29558	NaN	Low	1.163296	2.614977
15 AACATTCATTGCT(	0	3.018884	4.455941	2.594514	0	2.569832	0	0	1.174575	1.770725	1.082214	0.996036	0	0.376742	0.492679	0	0	1.322851	6.593045	0.799905	1.362397	1.406808	1.019357	0.167558	NaN	Low	0.746213	1.978582
15_AACATTCATTGCT(	2.071654	3.018884	2.970628	5.189028	3.479177	2.569832	4.158751	2.372353	7.04745	0.885362	1.082214	1.992072	2.328007	3.390674	0.985359	2.377943	1.191446	1.322851	15.38377	1.999764	3.290861	1.475041	0.695186	0.033855	NaN	Low	1.741236	4.840486
15 AACATTCATTGCT(	0	6.037769	4.455941	1.297257	3.479177	7.709497	3.119063	2.372353	7.04745	0.885362	3.246643	4.98018	3.325724	2.637191	0.985359	2.377943	1.191446	3.968552	8.790727	2.799669	3.535365	0.741648	0.683091	0.277601	NaN	Low	2.646148	4.424582
15 AACATTCATTGCT(	2.071654	7.547211	2.970628	2.594514	0	12.84916	5.198438	1.186176	5.872875	10.62435	3.246643	1.992072	1.662862	3.013933	3.448756	2.972429	4.765784	2.645701	7.691886	3.599575	4.297732	0.389898	0.664183	0.557181	NaN	Low	3.720497	4.874968
15_AACATTCATTGCT(	9.322444	36.22661	34.16222	23.35062	41.75012	56.53631	15.59531	33.21294	82.22024	15.93652	22.7265	28.88504	26.6058	30.89281	13.79502	21.99597	23.82892	47.62262	106.5876	23.99716	34.76254	0.999394	0.569354	0.079206	0.182469	OK	23.18151	46.34357
15 AACATTCATTGCT(	1.035827	10.56609	10.3972	5.189028	17.39588	2.569832	10.39688	10.67559	23.4915	2.656087	3.246643	5.976216	3.990869	4.520899	2.463397	6.539343	2.382892	10.5828	4.395363	5.199386	7.183586	-0.49588	0.72553	0.494307	NaN	Low	8.406139	5.961033
15 AACATTCATTGCT(	8.286617	22.64163	23.76502	18.1616	73.06271	33.40782	13.51594	47.44705	84.56939	15.05116	22.7265	20.91675	15.6309	20.72079	22.17058	23.77943	27.40326	75.40248	96.69799	28.39664	34.68771	0.923394	0.636566	0.146895	0.272254	OK	23.95088	45.42455
15_AACATTCATTGCT(	2.071654	10.56609	1.485314	1.297257	13.91671	20.55866	6.238126	14.23412	17.61862	7.968262	6.493285	12.94847	3.990869	6.781348	5.912153	7.133829	5.95723	22.48846	27.47102	6.399244	10.07654	0.798056	0.681943	0.241893	0.389521	OK	7.358474	12.7946
15 AACATTCATTGCT(	0	1.509442	0	1.297257	3.479177	10.27933	1.039688	3.558529	11.74575	2.656087	3.246643	3.984144	0.997717	1.883708	2.463397	1.783457	3.574338	13.22851	13.18609	2.799669	4.135646	0.970273	0.84914	0.253182	NaN	Low	2.7951	5.476193
15 AGGCAGTGTATT(	0	0	0	2.594514	3.479177	0	0	0	8.222024	0	0	0.996036	0	0.376742	0	0	0	0	2.197682	0.399953	0.913306	0.304621	1.190954	0.798122	NaN	Low	0.817242	1.009371
15_AGGCAGTGTATT(	0	0	0	0	0	0	0	0	7.04745	0	1.082214	0	0	0.376742	0	0	0	0	2.197682	0	0.535204	0.384749	1.085812	0.723082	NaN	Low	0.464258	0.606151
15 AGGCAGTGTATT(	0	1.509442	0	2.594514	0	0	0	0	10.57117	0	0	0	0	1.130225	0	0	0	0	1.098841	0	0.84521	-0.23539	1.133659	0.83551	NaN	Low	0.91401	0.776409
15 AGGCAGTGTATT(	0	0	0	0	0	0	1.039688	0	7.04745	0	0	0	0	0	0	0	0	0	0	0	0.404357	-0.365	0.926945	0.693752	NaN	Low	0.455237	0.353477
15_AGGTGGTCCGTG(	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.494204	0	0.27471	2.460333	1.655656	0.137275	NaN	Low	0.084482	0.464939
15 ATCTGGAGGTAA(	0	0	0	310.0444	0	0	0	0	1.174575	0	15.151	0	0	0	0	0	0	0	0	0.799905	16.35849	-0.2054	0.765722	NaN	NaN	Outlier	17.52104	15.19595
15 ATCTGGAGGTAA(	0	0	0	334.6923	0	0	0	0	0	0	10.82214	0	0	0	0	0	0	0	0	1.199858	17.33571	-0.12268	0.623516	NaN	NaN	Outlier	18.07236	16.59907
15 ATCTGGAGGTAA(	0	0	0	7.783541	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.389177	-0.05589	0.430495	0.896708	NaN	Low	0.396714	0.38164
15 ATTATTACTTTTG(	0	4.528326	0	1.297257	0	2.569832	1.039688	2.372353	3.523725	1.770725	1.082214	1.992072	3.990869	3.013933	1.478038	0.594486	0	2.645701	2.197682	2.799669	1.844828	0.387452	0.807099	0.631188	NaN	Low	1.598582	2.091075
15 ATTCTAATTTCTC(	1.035827	3.018884	4.455941	6.486284	10.43753	2.569832	0	1.186176	7.04745	4.426812	7.5755	4.98018	5.321159	4.520899	2.956077	2.972429	8.340122	3.968552	2.197682	4.799433	4.414838	-0.1915	0.654094	0.7697	NaN	Low	4.707413	4.122264
15 CAAAAATTCTCCT	1.035827	1.509442	10.3972	6.486284	3.479177	0	0	0	2.34915	0	2.164428	0.996036	0.332572	1.130225	0	1.783457	1.191446	0	1.098841	0.799905	1.737699	-0.61044	1.078156	0.571265	NaN	Low	2.099943	1.375456
15 CAACGGAATCCCA	3.107481	0	2.970628	1.297257	0	0	0	1.186176	1.174575	0	3.246643	0.996036	2.328007	0.376742	0	1.188971	1.191446	1.322851	0	3.999527	1.219317	0.749808	0.986724	0.447316	NaN	Low	0.909406	1.529228
15 CAACGGAATCCCA	15.53741	27.16996	16.33845	63.56559	6.958353	33.40782	13.51594	30.84059	22.31692	31.87305	38.95971	27.88901	61.5259	44.45551	24.63397	51.12577	48.84929	19.84276	48.349	65.9922	34.65736	0.772737	0.509313	0.129213	0.250726	OK	25.59147	43.72325
15 CAACGGAATCCCA	387.3994	706.4189	802.0694	743.3282	2014.443	1904.246	1125.982	1407.991	1539.868	447.1081	1330.041	1028.905	1889.344	1011.174	1199.674	1319.758	2282.811	1724.997	3371.244	3212.42	1472.461	1.316255	0.483327	0.006463	0.031237	OK	843.7715	2101.151
15 CAACGGAATCTCA	5.179136	0	0	0	3.479177	0	0	0	0	0	0	0	0	0	0	0.594486	0	0	0	0	0.46264	-0.55709	1.043808	0.593545	NaN	Low	0.550869	0.374411
15 CAAGAATTCTCCT	9.322444	4.528326	4.455941	2.594514	0	0	4.158751	2.372353	1.174575	1.770725	0	0	2.993152	3.390674	1.970718	0	1.191446	0	3.296522	1.199858	2.221	-0.10167	0.951015	0.914867	NaN	Low	2.299223	2.142777
15 CAAGAATTCTCCT	24.85985	25.66052	13.36782	6.486284	24.35424	0	15.59531	4.744705	7.04745	6.197537	10.82214	4.98018	11.97261	15.06966	1.478038	8.917286	3.574338	14.55136	8.790727	5.999291	10.72347	-0.52728	0.710467	0.457987	0.605328	OK	12.66158	8.785358
15 CAAGAATTCTCCT	8.286617	13.58498	10.3972	6.486284	13.91671	5.139665	2.079375	2.372353	7.04745	3.54145	10.82214	3.984144	7.649166	6.027865	1.478038	1.188971	0	10.5828	6.593045	3.999527	6.258889	-0.21124	0.729821	0.772246	NaN	Low	6.716282	5.801496
15 CAAGTAATCCAG(	4.143309	3.018884	2.970628	10.37806	3.479177	5.139665	3.119063	5.930882	1.174575	6.197537	2.164428	6.972252	7.649166	4.89764	3.941436	4.1614	5.95723	0	5.494204	4.799433	4.579448	0.115854	0.594049	0.845374	NaN	Low	4.395674	4.763223
15 CATAAAGTAGAA/	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.566914	0	0	0	0	0.178346	-0.17628	0.711946	0.804443	NaN	Low	0.189228	0.167464
15 CATAAAGTAGAA/	22.7882	0	2.970628	0	3.479177	0	6.238126	2.372353	11.74575	7.968262	2.164428	7.968287	1.662862	0.753483	0.985359	14.86214	0	3.968552	1.098841	2.799669	4.691306	-0.98697	1.017864	0.33222	NaN	Low	6.236222	3.14639
15 CATAAAGTAGAA/	6.214963	0	7.426569	1.297257	0	2.569832	1.039688	1.186176	3.523725	1.770725	0	0.996036	0.665145	0	0	3.566914	0	0	0	0.399953	1.532849	-1.53246	1.147256	0.181628	NaN	Low	2.278165	0.787533

15	CATAAAGTAGAA	10.35827	4.528326	2.970628	5.189028	0	5.139665	2.079375	0	4.6983	3.54145	5.411071	9.960359	2.328007	2.260449	1.970718	34.48017	1.191446	2.645701	3.296522	2.799669	5.242458	-0.73736	0.920445	0.42308	NaN	Low	6.553743	3.931173
15	CATAAAGTAGAA	6.214963	0	5.941255	0	10.43753	5.139665	0	2.372353	1.174575	2.656087	3.246643	0.996036	0.332572	2.260449	1.970718	42.80297	2.382892	2.645701	1.098841	0.799905	4.623658	-1.61517	1.080908	0.135105	NaN	Low	6.971599	2.275717
15	CATAAAGTAGAA	15.53741	7.547211	10.3972	2.594514	6.958353	7.709497	5.198438	10.67559	16.44405	3.54145	2.164428	5.976216	2.66058	1.130225	0.985359	13.07869	1.191446	1.322851	0	1.199858	5.815668	-2.38395	0.942147	0.011395	NaN	Low	9.761242	1.870093
15	CATAAAGTAGAA	27.96733	4.528326	5.941255	2.594514	3.479177	12.84916	5.198438	5.930882	15.26947	5.312175	4.328857	2.988108	1.995435	0.376742	0.985359	17.24009	2.382892	0	0	1.599811	6.048401	-2.09099	0.992723	0.035177	NaN	Low	9.797203	2.2996
15	CATCTTACCGGAC	1.035827	0	0	0	0	0	1.039688	0	1.174575	0.885362	0	0.996036	1.33029	0	0	1.783457	0	1.322851	6.593045	6.799197	1.148016	2.856804	0.947978	0.002582	NaN	Low	0.278507	2.017526
15	CATCTTACCGGAC	2.071654	1.509442	4.455941	0	0	0	0	0	1.174575	0	0	1.992072	5.986304	0	0.492679	4.755886	1.191446	3.968552	7.691886	16.79801	2.604423	2.292407	1.023534	0.02511	NaN	Low	0.883046	4.3258
15	CATCTTACCGGAC	0	3.018884	0	0	0	0	0	0	2.34915	0.885362	0	0.996036	1.662862	0	0	1.188971	0	0	2.197682	2.399716	0.734933	1.35484	1.131944	0.23134	NaN	Low	0.413152	1.056714
15	CGCATCCCCTAGG	5.179136	0	11.88251	0	0	0	0	1.186176	1.174575	0.885362	0	0	0	0	0	1.188971	0	2.645701	0	0.799905	1.247117	-0.69396	1.193392	0.560903	NaN	Low	1.541405	0.952828
15	CGCATCCCCTAGG	1.035827	0	2.970628	0	0	0	1.039688	0	1.174575	0	1.082214	0.996036	1.33029	0	0	1.188971	0	0	2.197682	3.199622	0.810777	1.651467	1.02731	0.107931	NaN	Low	0.391535	1.230018
15	CGCATCCCCTAGG	2.071654	0	0	0	0	0	1.039688	0	0	0	0	0	0.997717	0.376742	0	2.377943	1.191446	0	1.098841	3.199622	0.617683	1.472576	1.128377	0.19188	NaN	Low	0.327234	0.908131
15	CGCATCCCCTAGG	2.071654	0	2.970628	1.297257	0	7.709497	2.079375	4.744705	5.872875	3.54145	3.246643	0.996036	4.323442	6.027865	6.897512	18.42906	8.340122	13.22851	10.98841	27.19679	6.498091	1.671271	0.754597	0.026775	NaN	Low	3.105456	9.890726
15	CGCATCCCCTAGG	1.035827	0	0	0	3.479177	0	0	1.186176	0	0	0	0	1.662862	1.883708	2.463397	4.1614	2.382892	1.322851	0	5.199386	1.238884	0.950214	1.083098	0.380318	NaN	Low	0.845032	1.632736
15	CGCATCCCCTAGG	0	0	0	0	0	0	1.039688	0	0	0.885362	0	0.996036	0.665145	0.376742	1.970718	1.188971	0	2.645701	1.098841	3.599575	0.723339	1.547524	1.018827	0.128781	NaN	Low	0.368754	1.077924
15	CGCATCCCCTAGG	0	0	4.455941	0	0	0	0	0	1.174575	0.885362	1.082214	0	1.995435	1.883708	0	1.188971	0	2.645701	1.098841	1.199858	0.88053	0.247493	1.091063	0.820551	NaN	Low	0.805188	0.955873
15	CTACAAAGGGAA	0	0	0	10.37806	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.518903	-0.0512	0.413278	0.901396	NaN	Low	0.52811	0.509695
15	CTACAAAGGGAA	0	0	0	9.080798	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.45404	-0.05326	0.420947	0.899318	NaN	Low	0.46242	0.44566
15	CTACAAAGGGAA	0	0	0	35.02594	0	0	0	0	0	0	2.164428	0	0	0	0	0	0	0	0	0	1.859518	-0.14929	0.666241	NaN	NaN	Low	1.955645	1.763392
15	CTACAAAGGGAA	0	0	0	41.51222	0	0	0	0	0	0	1.082214	0	0	0	0	0	0	0	0	0	2.129722	-0.14196	0.65243	NaN	NaN	Low	2.234422	2.025022
15	CTACAAAGGGAA	0	0	0	27.24239	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.399953	1.382117	-0.07496	0.531377	NaN	NaN	Low	1.418017	1.346218
15	CTCTAGAGGGAA	0	0	0	6.486284	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.324314	-0.21221	0.766097	0.781782	NaN	Low	0.348123	0.300505
15	CTCTAGAGGGAA	0	0	0	6.486284	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.324314	-0.21221	0.766097	0.781782	NaN	Low	0.348123	0.300505
15	CTCTAGAGGGAA	0	0	0	7.783541	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.389177	-0.05589	0.430495	0.896708	NaN	Low	0.396714	0.38164
15	CTGCAAAGGGAA	0	0	0	24.64788	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.232394	-0.04095	0.371942	NaN	NaN	Low	1.249882	1.214906
15	CTGCAAAGGGAA	0	0	0	11.67531	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.583766	-0.04949	0.406722	0.903159	NaN	Low	0.593777	0.573755
15	GATATCATCATAT	6.214963	0	1.485314	0	0	0	0	0	0	0	0	0	0.665145	0.376742	0	0.594486	0	0	3.296522	0.799905	0.671654	1.097719	1.1889	0.355847	NaN	Low	0.427783	0.915525
15	GCAGCACGTAAAT	0	1.509442	7.426569	0	0	0	1.039688	1.186176	2.34915	1.770725	0	0	0.332572	0.753483	0.492679	0	0	1.322851	1.098841	1.599811	1.044099	0.390132	1.066394	0.714483	NaN	Low	0.903781	1.184417
15	GTCCAGTTTTCCC	2.071654	6.037769	8.911883	6.486284	3.479177	7.709497	16.635	4.744705	12.92032	10.62435	5.411071	4.98018	2.993152	4.144157	7.882871	3.566914	15.4888	7.937103	3.296522	5.199386	7.02604	-0.65748	0.638773	0.303348	NaN	Low	8.599875	5.452206
15	GTCCAGTTTTCCC	1.035827	0	2.970628	7.783541	3.479177	7.709497	4.158751	2.372353	2.34915	3.54145	2.164428	2.988108	1.995435	1.883708	2.956077	0	0	1.322851	5.494204	1.199858	2.770252	0.220629	0.807185	0.784599	NaN	Low	2.558839	2.981665
15	GTCCAGTTTTCCC	0	0	0	0	0	0	0	1.186176	0	3.54145	1.082214	0	0	0.376742	0.492679	1.188971	1.191446	0	1.098841	1.999764	0.607914	1.075172	1.122421	0.338111	NaN	Low	0.391322	0.824506
15	GTCCAGTTTTCCC	2.071654	13.58498	23.76502	22.05337	3.479177	30.83799	11.43656	13.04794	10.57117	12.39507	10.82214	3.984144	12.97033	10.17202	5.912153	3.566914	11.91446	6.614253	5.494204	9.998818	11.23462	-0.46651	0.633402	0.461419	0.60623	OK	13.03536	9.433874
15	GTCCAGTTTTCCC	6.214963	22.64163	8.911883	11.67531	41.75012	131.0615	37.42876	45.0747	21.14235	36.29986	22.7265	9.960359	25.94065	35.41371	26.11201	13.07869	60.76375	34.39411	18.68029	41.19513	32.52331	-0.08701	0.690795	0.899763	0.937808	OK	33.5038	31.54283
15	GTCCAGTTTTCCC	0	0	1.485314	0	0	5.139665	0	2.372353	0	4.426812	0	0	0.665145	0.376742	0.985359	0.594486	0	0	0	0	0.802294	-1.66636	1.192766	0.162398	NaN	Low	1.220174	0.384413
15	GTCCAGTTTTCTC	14.50158	16.60386	14.85314	16.86434	6.958353	20.55866	13.51594	11.86176	4.6983	8.853625	4.328857	2.988108	4.988587	2.637191	2.463397	0.594486	3.574338	1.322851	0	1.199858	7.668362	-2.69813	0.923998	0.0035	NaN	Low	13.28899	2.047732
15	GTGCATTGCTGTT	14.50158	4.528326	17.82377	6.486284	6.958353	0	7.277814	1.186176	5.872875	1.770725	8.657714	22.90883	18.62406	4.89764	4.926795	10.10626	2.382892	2.645701	5.494204	6.799197	7.692459	-0.33182	0.76704	0.665307	NaN	Low	8.573211	6.811707
15	GTTCAGTTTTCCC	1.035827	3.018884	2.970628	1.297257	3.479177	10.27933	5.198438	1.186176	2.34915	1.770725	0	0	0	2.637191	0.492679	0	1.191446	1.322851	0	0	1.911488	-2.51087	1.157647	0.030087	NaN	Low	3.252351	0.570624
15	TACCCATTGCATA	11.3941	0	7.426569	0	0	0	6.238126	0	0	0.885362	1.082214	1.992072	1.662862	1.883708	0	1.783457	1.191446	2.645701	0	3.199622	2.069262	-0.21682	1.092051	0.842618	NaN	Low	2.224464	1.914059
15	TACCCATTGCATA	39.36143	9.056653	0	3.891771	0	10.27933	12.47625	3.558529	3.523725	15.93652	10.82214	0.996036	4.988587	22.98124	6.897512	5.350372	10.72301	10.5828	5.494204	63.99244	12.04563	1.593905	0.855278	0.062376	0.154143	OK	5.994859	18.0964
15	TACCCATTGCATA	221.667	49.81159	69.80975	36.32319	55.66683	66.81564	156.9928	56.93647	56.3796	74.37045	57.35735	48.80576	26.6058	63.29258	21.6779	22.59046	77.44399	78.04818	45.05247	222.7737	75.42108	0.894266	0.631134	0.156506	0.285769	OK	52.76667	98.07549
15	TACCCATTGCATA	10.35827	0	4.455941	2.594514	0	5.139665	5.198438	1.186176	2.34915	5.312175	4.328857	0.996036	2.328007	4.520899	0.985359	2.972429	9.531568	2.645701	2.197682	19.59768	4.334928	1.463812	0.755879	0.052798	NaN	Low	2.306818	6.363038
15	TAGTAGACCGTAT	1.035827	0	0	0	0	0	1.039688	0	2.34915	0	1.082214	0	0.665145	2.260449	2.463397	0	0	0	128.5644	0	6.973012	4.779362	1.397891	0.000629	NaN	Low	0.489989	13.45604
15	TAGTAGGTTGTAT	0	0	0	1.297257	0	7.709497	0	0	7.04745	0	1.082214	0.996036	0	0	0	0	0	0	0	0	0.906623	-0.93925	1.152486	0.415085	NaN	Low	1.191746	0.6215
15	TATGGCTTTTCAT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.492679	0	0	0	5.494204	2.799669	0.439328	3.640757	1.610521	0.023784	NaN	Low	0.065215	0.81344
15	TATGGCTTTTCAT	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0	0	0	1.322851	8.790727	2.399716	0.644502	3.724176	1.176392	0.001547	NaN	Low	0.090675	1.198329
15	TATGGCTTTTCAT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.999764	0.099988	1.411663	1.419114	0.319858	NaN	Low	0.054632	0.145345
15	TATGTGCCTTTGG	0	0	1.485314	0	0	7.709497	1.039688	1.186176	1.174575	0	0	1.992072	0.332572	0.753483	2.463397	0	0	2.645701	0	0	1.039124	-1.96401	1.184833	0.097393	NaN	Low	1.654241	0.424007
15	TATGTGCCTTTGG	0	0	1.485314	3.891771	3.479177	2.569832	0	0	0	0.885362	1.082214	0.996036	1.33029	0.753483	2.463397	0	0	0	1.098841	0	1.001786	-0.7798	1.123393	0.487592	NaN	Low	1.266121	0.737451
15	_TCAAGAGCAATAA	21.75237	1.509442	1.485314	2.594514	31.31259	10.27933	5.198438	7.117058	7.04745	22.13406	20.56207	4.98018	12.30518	13.93944	23.64861	14.26766	10.72301	25.13416	13.18609	18.39783	13.37874	0.26205	0.690537	0.704325	0.800075	OK	12.16702	14.59046
15	TCAAGAGCAATAA	45.57639	22.64163	11.88251	25.94514	107.8545	43.68715	23.91282	33.21294	54.03045	55.77784	86.57714	18.92468	30.59667	80.24596	92.13106	26.75186	42.89206	111.1194	38.45943	64.79234	50.8506	0.034798	0.606547	0.95425	0.96999	OK	50.23736	51.46384
15	TCTCCCAACCCTT	3.107481	3.018884	31.19159	1.297257	3.479177	2.569832	5.198438	21.35117	12.92032	7.0829	0	7.968287	0.665145	0	0	7.133829	0	0	0	1.199858	5.409209	-1.80943	1.131741	0.109865	NaN	Low	8.417009	2.401409
15	_TCTCCCAACCCTT	23.82402	15.09442	87.63351	1.297257	10.43753	5.139665	13.51594	87.77705	44.63385	13.28044	0	15.93657	1.662862	1.506966	0.985359	25.56289	1.191446	1.322851	0	6.799197	17.88009	-1.65413	1.075168	0.123931	0.246079	OK	27.13772	8.622459
15	TCTTTGGTTATCT	0	0	0	0	0	0	0	0	0	0	0	0	2.993152	0	0	0	0	0	0	0	0.149658	-0.16509	0.693225	0.81177	NaN	Low	0.158211	0.141104
15	TCTTTGGTTATCT	0	0	0	0	0	0	0	0	0	0	0	0	2.328007	0	0	0	0	0	0	0.799905	0.156396	0.252907	0.797879	0.751263	NaN	Low	0.142722	0.170069
15	TCTTTGGTTATCT	0	0	0	0	0	0	0	0	0	0	0	0	4.323442	0	0	0	0	0	0	0	0.216172	-0.18958	0.733024	0.795923	NaN	Low	0.230355	0.201989
15	TCTTTGGTTATCT	0	0	0	0	0	0	0	0	0	0	0	0	12.30518	0	0.492679	0	0	0	1.098841	1.199858	0.754828	0.174667	1.0732	0.870713	NaN	Low	0.70919	0.800466
15	TCTTTGGTTATCT	0	0	0	0	0	0	0	1.186176	0	0	0	0	11.97261	0	0	0	0	0	1.098841	2.799669	0.852865	0.44714	1.07977	0.678796	NaN	Low	0.721747	0.983983
15	TCTTTGGTTATCT	0	0	1.485314	0	0	0	2.079375	0	0	0	0	0.996036	122.0541	0	0.492679	0.594486	0	0	4.395363	30.79636	8.144685	0.551082	1.15665	NaN	NaN	Low	6.607771	9.681599
15	TCTTTGGTTATCT	0	1.509442	0	0	0	0	0	2.372353	0	0	0	0.996036	117.7306	0	1.478038	0.594486	0	0	7.691886	21.9974	7.718514	0.461534	1.161814	NaN	NaN	Low	6.49432	8.942709
15	TCTTTGGTTATCT	0	0	0	0	0	0	1.039688	1.186176	0	0	1.082214	0	126.3775	0	0.985359	0	0	0	10.98841	23.99716	8.282827	0.403227	1.062165	NaN	NaN	Low	7.132798	9.432856
15	_TCTTTGGTTATCT	0	0	0	1.297257	0	0	0	0	1.174575	1.770725	1.082214	0	183.2474	0	0.985359	0	0	0	12.08725	43.1949	12.24198	0.482558	1.088646	NaN	NaN	Outlier	10.21349	14.27048
15	TCTTTGGTTATCT	0	1.509442	0	0	0	0	2.079375	2.372353	1.174575	0	0	0	168.2817	0	1.970718	0	0	0	15.38377	43.9948	11.83833	0.578613	1.099142	NaN	NaN	Outlier	9.495687	14.18098
15	TCTTTGGTTATCT	0	0	0	1.297257	0	0	0	1.186176	0	0	0	0	193.8897	0	1.970718	0	0	1.322851	17.58145	43.9948	13.06215	0.452491	1.037907	NaN	NaN	Outlier	11.03035	15.09395
15	_TCTTTGGTTATCT	0	1.509442	1.485314	0	3.479177	0	1.039688	3.558529	0	0	0	0.996036	298.9826	0.753483	2.463397	0.594486	1.191446	1.322851	13.18609	30.79636	18.06795	0.155943	1.19339	NaN	NaN	Outlier	17.0924	19.04349
15	TCTTTGGTTATCT	0	3.018884	0	1.297257	3.479177	0	1.039688	2.372353	0	0.885362	0	0	287.01	0.753483	3.448756	0.594486	0	0	8.790727	24.39712	16.85437	-0.01567	1.188865	NaN	NaN	Outlier	16.94592	16.76281
15	TCTTTGGTTATCT	1.035827	0	0	0	0	0	2.079375	3.558529	0	0	0	0	286.0123	0.753483	1.970718	0	0	2.645701	7.691886	23.59721	16.46725	-0.02774	1.113685	NaN	NaN	Outlier	16.62557	16.30894
15	_TCTTTGGTTATCT	0	4.528326	0	0	0	0	0	0	0	0	0	0	43.56699	0	0	0	0	0	0	1.599811	2.484756	-0.1233	0.733402	NaN	NaN	Low	2.590875	2.378638
15	TCTTTGGTTATCT	0	0	0	0	0	0	0	0	0	0	0	0	40.24127	0	0	0	0	0	1.098841	0.399953	2.087003	-0.1165	0.733079	NaN	NaN	Low	2.171224	2.002782
15	TCTTTGGTTATCT	0	0	0	3.479177	0	0	0	0	0	0	0	0	48.223	0	0	0	0	0	0	1.199858	2.645102	-0.13741	0.723432	NaN	NaN	Low	2.770975	2.519229
15	TGACACGATCACT	1.035827	0	0	0	0	0	0	1.186176	1.174575	0	0	0	0.997717	0.376742	0.492679	3.566914	2.382892	1.322851	4.395363	0.799905	0.886582	1.238895	1.039692	0.233419	NaN	Low	0.5277	1.245465
15	TGACCGATTTCTC	1.035827	1.509442	1.485314	9.080798	0	0	17.67469	1.186176	0	5.312175	7.5755	3.984144	4.656014	6.404607	3.941436	2.972429	2.382892	1.322851	0	0.399953	3.546212	-2.65016	1.04186	0.010969	NaN	Low	6.117837	0.974588
15	TGACCGATTTCTC	1.035827	0	0	1.297257	0	0	2.079375	0	0	0.885362	1.082214	0.996036	0.997717	2.637191	1.478038	1.783457	1.191446	3.968552	2.197682	1.999764	1.181496	0.644318	0.852679	0.449865	NaN	Low	0.921963	1.441029
15	_TGACCGATTTCTC	0	1.509442	0	2.594514	0	2.569832	2.079375	0	0	2.656087	2.164428	5.976216	0.997717	1.506966	0.492679	0.594486	1.191446	0	0	0	1.21666	-2.36473	1.165097	0.042393	NaN	Low	2.037693	0.395626
15	TGACCGATTTCTC	0	0	0	1.297257	0	0	0	1.186176	0	2.656087	1.082214	1.992072	0.997717	3.013933	0.492679	0.594486	0	0	0	0	0.665631	-1.87825	1.187673	0.113775	NaN	Low	1.046578	0.284684
15	TGCTGGATCAGTC	0	3.018884	0	0	0	2.569832	1.039688	0	1.174575	1.770725	0	0	2.66058	1.883708	0	3.566914	2.382892	0	1.098841	0.799905	1.098327	-0.25223	1.080247	0.81538	NaN	Low	1.194094	1.00256
15	_TGGCAGTGTATTC	0	13.58498	1.485314	14.26983	0	0	0	0	32.8881	0	4.328857	8.964323	1.33029	0.753483	0	1.188971	1.191446	0	7.691886	1.599811	4.463864	0.025573	1.166069	0.982503	NaN	Low	4.424302	4.503427
15	TGGCAGTGTATTC	0	7.547211	0	0	3.479177	0	2.079375	0	12.92032	0	2.164428	4.98018	0.332572	2.260449	0	0.594486	0	1.322851	1.098841	1.199858	1.998988	-0.51931	1.137743	0.648077	NaN	Low	2.354926	1.643049
15	TGGCAGTGTATTC	0	3.018884	0	1.297257	0	0	1.039688	0	7.04745	0	4.328857	10.9564	0.332572	0.753483	0	0	0	0	3.296522	0.399953	1.623553	0.074751	1.176126	0.949323	NaN	Low	1.581502	1.665605
15	_TGGTGGGCCGCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14.28493	0	0.714247	3.714263	1.72174	0.030984	NaN	Low	0.101131	1.327362
15	TGGTGGGCCGCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0	0.594486	0	0	17.58145	0	0.927634	3.712279	1.669633	0.026188	NaN	Low	0.131513	1.723755
15	TTACAGTTGTTCA	0	0	0	0	0	0	0	1.186176	0	0	1.082214	0	3.658297	0	0	0	0	0	0	0	0.296334	-0.54398	1.037628	0.600101	NaN	Low	0.35155	0.241119
15	TTACAGTTGTTCA	1.035827	4.528326	5.941255	0	6.958353	0	3.119063	1.186176	4.6983	3.54145	3.246643	9.960359	40.57384	6.404607	8.375551	1.783457	33.36049	0	3.296522	0	6.900511	-1.59756	1.061881	0.132462	NaN	Low	10.37331	3.42771
15	_TTAGGGCCCTGG	7.25079	3.018884	1.485314	0	0	2.569832	0	7.117058	2.34915	5.312175	2.164428	5.976216	3.325724	1.506966	0.492679	1.188971	4.765784	23.81131	9.889567	3.599575	4.291221	0.587155	0.92083	0.52371	NaN	Low	3.429847	5.152595
15	TTAGGGCCCTGG	2.071654	0	4.455941	0	3.479177	0	6.238126	4.744705	4.6983	0.885362	0	2.988108	0.665145	0.753483	0.492679	0.594486	0	9.259954	4.395363	1.999764	2.386112	0.386301	0.976861	0.692509	NaN	Low	2.06855	2.703675
15	TTAGGGCCCTGG	1.035827	0	1.485314	0	0	0	0	0	0	1.770725	0	0.996036	0	1.506966	3.448756	1.188971	1.191446	18.51991	1.098841	1.999764	1.712128	-0.08876	1.154491	0.938719	NaN	Low	1.764777	1.659478
15	TTAGGGCCCTGG	0	0	0	0	3.479177	0	0	0	0	4.426812	0	2.988108	0	1.130225	1.478038	0	0	3.968552	1.098841	0	0.928488	-0.42739	1.193325	0.720233	NaN	Low	1.065019	0.791956
15	TTAGGGCCCTGG	0	0	0	0	0	0	0	0	0	0	0	0.996036	0.332572	0	3.448756	0	1.191446	1.322851	1.098841	0	0.419525	0.046129	1.184599	0.968938	NaN	Low	0.412819	0.426232
15	_TTAGGGCCCTGG	8.286617	19.62275	19.30908	2.594514	45.2293	5.139665	13.51594	24.9097	23.4915	21.2487	10.82214	20.91675	12.63775	2.260449	4.434115	7.133829	13.10591	70.11108	19.77913	13.99835	17.92736	-0.06465	0.764262	0.932587	0.958843	OK	18.32897	17.52575
15	_TTAGGGCCCTGG	1.035827	4.528326	8.911883	0	6.958353	0	4.158751	1.186176	5.872875	6.197537	1.082214	5.976216	2.66058	1.506966	0.492679	1.188971	1.191446	21.16561	10.98841	1.199858	4.315134	0.443289	0.934228	0.635146	NaN	Low	3.657358	4.97291
15	TTAGGGCTCTGG	0	0	7.426569	0	0	0	0	2.372353	1.174575	0.885362	0	0	0	0	0	0	0	0	0	0	0.592943	-0.75446	1.113629	0.4981	NaN	Low	0.744545	0.441341
15	_TTATAAAGCAATG	5.179136	0	0	0	0	0	2.079375	0	0	0	1.082214	0.996036	1.33029	0	0	0	1.191446	1.322851	0	1.199858	0.71906	-0.09168	1.184141	0.938288	NaN	Low	0.7419	0.696221
15	_TTATAAAGCAATG	4.143309	3.018884	14.85314	1.297257	0	0	11.43656	0	10.57117	9.738987	10.82214	1.992072	12.30518	4.520899	0.985359	1.783457	4.765784	1.322851	6.593045	6.399244	5.327467	0.232974	0.86394	0.787419	NaN	Low	4.898246	5.756688
15	TTATAAAGCAATG	0	1.509442	0	0	0	0	2.079375	1.186176	0	0	1.082214	1.992072	0.997717	1.130225	2.463397	0.594486	1.191446	0	2.197682	0.399953	0.841209	0.224281	1.006725	0.823705	NaN	Low	0.775954	0.906465
15	TTATAAAGCAATG	47.64805	22.64163	80.20694	33.72868	52.18765	41.11732	85.25439	21.35117	41.11012	84.10944	46.53521	26.89297	55.87217	40.31135	17.24378	45.7754	78.63544	48.94547	146.1458	110.387	56.305	1.351251	0.471527	0.004161	0.02242	OK	31.70923	80.90077
15	_TTATGGTTTGCCT	4.143309	4.528326	0	0	0	0	2.079375	3.558529	4.6983	0	0	0	1.995435	0.753483	0.985359	1.188971	1.191446	5.291402	2.197682	0	1.630581	-0.64788	1.061772	0.541739	NaN	Low	1.990676	1.270486
15	TTCTCGAGGAAAC	0	0	0	14.26983	0	0	0	0	0	0	0	0	0	0	0	0.594486	0	0	0	0	0.743216	-0.37922	0.938388	0.686126	NaN	Low	0.840336	0.646095
15	TTCTCGAGGAAAC	0	0	0	14.26983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.713491	-0.04686	0.396417	0.905911	NaN	Low	0.725077	0.701906
15	_TTCTCGAGGAAAC	0	1.509442	0	50.59302	0	0	0	0	0	0	2.164428	0	0	0	0.985359	1.783457	0	0	0	0	2.851785	-0.80679	1.126457	NaN	NaN	Low	3.629028	2.074542
15	TTCTCGAGGAAAC	0	0	0	53.18753	0	0	0	0	0	0	4.328857	0	0	0.753483	0.492679	1.783457	0	0	0	0.399953	3.047298	-0.76584	1.138636	NaN	NaN	Low	3.83764	2.256956
15	TTCTCGAGGAAAC	0	0	0	41.51222	0	0	0	0	0	0	0	0	0	0	0.985359	0	0	0	0	0	2.124879	-0.14421	0.656724	NaN	NaN	Low	2.230991	2.018767
15	_TTCTCGAGGAAAC	0	0	0	29.83691	0	0	1.039688	0	0	0	1.082214	0	0	0	0	0.594486	0	0	0	0	1.627665	-0.6633	1.085962	NaN	NaN	Low	1.99538	1.25995
15	TTCTCGAGGAAAC	0	0	0	11.67531	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.583766	-0.04949	0.406722	0.903159	NaN	Low	0.593777	0.573755
15	TTCTCGAGGAAAC	0	0	0	11.67531	0	0	0	0	0	0	0	0	0	0.376742	0	0	0	0	0	0	0.602603	-0.37607	0.935869	0.687806	NaN	Low	0.680701	0.524505
15	_TTCTCGAGGAAAC	0	0	0	9.080798	0	0	0	0	0	0	0	0	0	0	0	0.594486	0	0	0	0	0.483764	-0.37107	0.931864	0.69048	NaN	Low	0.545637	0.421891
15	TTCTCGAGGAAAC	0	0	0	6.486284	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.324314	-0.21221	0.766097	0.781782	NaN	Low	0.348123	0.300505
15	TTGTGTCAATATG	0	3.018884	0	0	0	0	0	0	0	0	0	0	0.332572	0	0.985359	0	0	0	39.55827	52.79376	4.834442	6.143566	0.978777	3.46E-10	NaN	Low	0.134859	9.534026
15	_TTTAGGATAAGCT	2.071654	1.509442	4.455941	0	0	5.139665	1.039688	3.558529	0	4.426812	2.164428	0.996036	0.997717	1.506966	1.970718	1.783457	2.382892	3.968552	0	1.599811	1.978615	-0.80465	0.871491	0.355851	NaN	Low	2.516519	1.440712
15	TTTTCGAGGAAAC	0	0	0	6.486284	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.324314	-0.21221	0.766097	0.781782	NaN	Low	0.348123	0.300505
16	AAACCGTTACCAT	171.9473	0	7.426569	47.99851	0	10.27933	9.357189	0	2.34915	0	0	2.988108	19.95435	3.390674	0.985359	2.377943	0	9.259954	8.790727	1.199858	14.91525	-0.91672	1.172692	NaN	NaN	Outlier	19.50072	10.32978
16	_AAACCGTTACCAT	41.43309	0	1.485314	7.783541	0	0	4.158751	0	0	0	1.082214	1.992072	5.321159	0	1.970718	2.377943	2.382892	7.937103	6.593045	0.799905	4.265887	-0.18304	1.141146	0.872563	NaN	Low	4.536145	3.995629
16	AAACCGTTACCAT	96.33193	0	10.3972	45.40399	3.479177	10.27933	12.47625	1.186176	0	1.770725	1.082214	9.960359	19.62177	3.767416	7.882871	10.10626	3.574338	33.07126	20.87798	3.999527	14.76344	-0.21934	1.031855	0.831665	0.891327	OK	15.88355	13.64332
16	AAACCGTTACCAT	769.6196	1.509442	25.25033	272.4239	17.39588	74.52514	76.93689	8.303235	17.61862	34.52914	11.90436	76.69477	169.9445	42.5718	64.04833	70.7438	44.0835	375.6896	162.6284	37.59556	117.7008	-0.20143	0.994738	0.839526	0.897801	OK	125.9044	109.4973
16	_AAACCGTTACCAT	423.6533	15.09442	13.36782	164.7516	52.18765	128.4916	54.06376	15.42029	15.26947	55.77784	12.98657	44.82162	131.3661	50.86011	57.15082	52.31474	79.82689	451.092	340.6407	41.19513	110.0166	0.760898	0.907807	0.401935	0.548902	OK	81.65878	138.3745
16	AAACCGTTACCAT	15.53741	0	0	3.891771	6.958353	12.84916	3.119063	0	0	3.54145	0	0.996036	7.649166	4.520899	5.419474	1.783457	11.91446	39.68552	17.58145	4.39948	6.992357	0.559812	1.043775	0.591728	NaN	Low	5.652499	8.332216
16	AAACCGTTACCAT	8.286617	0	0	2.594514	6.958353	28.26816	5.198438	2.372353	0	5.312175	2.164428	3.984144	8.646884	3.390674	2.463397	1.783457	3.574338	41.00837	19.77913	3.999527	7.489248	0.622168	0.975474	0.523597	NaN	Low	5.898936	9.07956
16	_AAACCGTTACCAT	11.3941	0	0	11.67531	10.43753	35.97765	3.119063	4.744705	1.174575	7.968262	3.246643	2.988108	10.30975	6.027865	7.882871	2.377943	11.91446	66.14253	32.96522	4.39948	11.7373	0.622144	0.961723	0.517693	0.650249	OK	9.245025	14.22958
16	AAGTAATCCAGG	25.89568	19.62275	23.76502	10.37806	13.91671	15.41899	20.79375	8.303235	14.0949	12.39507	5.411071	6.972252	8.979456	9.418539	8.375551	5.944857	7.148676	2.645701	13.18609	6.799197	11.97328	-0.28575	0.572161	0.617478	0.732651	OK	13.15518	10.79137
16	AAGTAATCCAGG	4.143309	4.528326	0	3.891771	0	0	1.039688	0	0	0.885362	0	2.988108	2.993152	1.506966	2.463397	2.377943	0	3.968552	1.098841	1.199858	1.654264	-0.52391	0.947991	0.580498	NaN	Low	1.951378	1.357149
16	_AGTAGACCGTATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.889567	0	0.494478	3.224236	1.713588	0.059894	NaN	Low	0.095595	0.893362
16	ATCTTACCGGACA	0	3.018884	1.485314	0	0	0	0	0	0	0.885362	0	0	0.997717	0	0	0.594486	2.382892	0	2.197682	4.39948	0.798091	1.954421	1.114396	0.079466	NaN	Low	0.327381	1.2688
16	CAAAATTCTCCTT	3.107481	1.509442	0	2.594514	6.958353	2.569832	0	1.186176	0	4.426812	2.164428	0	2.66058	2.260449	0.985359	1.188971	2.382892	2.645701	2.197682	1.199858	2.001927	-0.22639	0.842669	0.788189	NaN	Low	2.158681	1.845173
16	_CAAAATTCTCCTT	5.179136	3.018884	5.941255	1.297257	6.958353	2.569832	1.039688	3.558529	1.174575	0.885362	3.246643	1.992072	1.995435	2.260449	0.492679	3.566914	1.191446	2.645701	2.197682	3.199622	2.720576	0.166723	0.70848	0.813957	NaN	Low	2.563551	2.8776
16	CAAAGGGAAGCC	0	0	0	9.080798	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.45404	-0.05326	0.420947	0.899318	NaN	Low	0.46242	0.44566
16	CAGAATTCTCCTT	2.071654	0	7.426569	1.297257	0	0	1.039688	0	0	0.885362	0	0.996036	0	0.753483	0	0.594486	0	0	1.098841	0	0.808169	-0.44234	1.181951	0.708223	NaN	Low	0.931102	0.685236
16	_CAGCACGTAAATA	6.214963	3.018884	4.455941	3.891771	0	0	3.119063	1.186176	7.04745	2.656087	0	0	2.66058	1.506966	0.492679	0	0	3.968552	7.691886	0.399953	2.415548	0.586595	0.990695	0.553781	NaN	Low	1.931127	2.899969
16	CATCTTCCAGTAC	1.035827	1.509442	5.941255	1.297257	3.479177	2.569832	5.198438	2.372353	3.523725	3.54145	4.328857	0.996036	1.33029	1.506966	2.956077	4.755886	4.765784	0	0	0.799905	2.595428	-1.86983	0.924265	0.043069	NaN	Low	4.075716	1.11514
16	CATCTTCCAGTAC	8.286617	6.037769	5.941255	2.594514	3.479177	5.139665	6.238126	0	4.6983	5.312175	8.657714	0.996036	6.318876	11.30225	15.27306	29.1298	8.340122	3.968552	1.098841	5.599338	6.920609	-0.93129	0.814572	0.252917	NaN	Low	9.079853	4.761366
16	_CATCTTCCAGTAC	0	1.509442	0	0	0	0	4.158751	1.186176	0	0	0	0	0.665145	1.130225	5.912153	3.566914	2.382892	1.322851	0	0.799905	1.131723	-0.90287	1.145529	0.430599	NaN	Low	1.474728	0.788717
16	CATCTTCCAGTAC	3.107481	6.037769	8.911883	0	3.479177	5.139665	8.317501	2.372353	5.872875	2.656087	16.23321	8.964323	9.977173	7.15809	12.80967	13.07869	1.191446	5.291402	3.296522	4.39948	6.41474	-0.74328	0.721765	0.303101	NaN	Low	8.031576	4.797904
16	CATCTTCCAGTAC	1.035827	0	0	1.297257	0	5.139665	0	0	0	0	1.082214	0	1.662862	1.883708	1.970718	1.783457	0	0	1.098841	0	0.847727	-0.63843	1.14994	0.578765	NaN	Low	1.032297	0.663158
16	_CATCTTCTAGTAC	7.25079	3.018884	5.941255	6.486284	6.958353	0	2.079375	2.372353	3.523725	0.885362	0	0.996036	1.662862	1.883708	0	3.566914	3.574338	0	1.098841	0	2.564954	-1.91074	1.036864	0.065357	NaN	Low	4.052202	1.077706
16	CATGGAATCCCAA	2.071654	0	0	1.297257	3.479177	2.569832	1.039688	3.558529	0	0.885362	1.082214	0	1.662862	1.883708	1.970718	2.972429	0	1.322851	5.494204	3.199622	1.724505	1.361234	0.762069	0.074061	NaN	Low	0.966367	2.482644
16	TACAGTTGTTCAA	0	3.018884	1.485314	0	3.479177	0	1.039688	2.372353	0	1.770725	2.164428	4.98018	29.93152	3.390674	4.926795	1.783457	10.72301	1.322851	2.197682	0	3.729337	-1.39373	1.088849	0.200542	NaN	Low	5.402572	2.056102
16	_TAGCACGTAAATA	14.50158	10.56609	8.911883	12.97257	3.479177	2.569832	4.158751	2.372353	11.74575	1.770725	3.246643	0.996036	2.328007	1.506966	0.492679	1.188971	1.191446	1.322851	2.197682	2.399716	4.495986	-0.8174	0.899876	0.363695	NaN	Low	5.736638	3.255333
16	TAGGCAGTGTATT	0	1.509442	0	1.297257	0	0	1.039688	0	43.45927	0	7.5755	22.90883	0.332572	0.753483	0	0.594486	0	0	16.48261	6.799197	5.137617	0.798459	1.190195	0.502307	NaN	Low	3.751122	6.524111
16	TAGGCAGTGTATT	0	1.509442	0	1.297257	0	0	0	0	7.04745	0	2.164428	0	0	1.130225	0	0	0	0	2.197682	0	0.767324	0.219704	1.180229	0.852324	NaN	Low	0.70901	0.825638
16	TATGGCTTTTTAT	0	1.509442	0	2.594514	0	2.569832	0	0	0	0.885362	0	2.988108	4.323442	0	2.956077	1.188971	0	0	0	12.39853	1.570714	1.726991	1.147206	0.132224	NaN	Low	0.728808	2.412621
16	TATGGCTTTTTAT	1.035827	7.547211	1.485314	5.189028	3.479177	0	0	4.744705	0	4.426812	1.082214	11.95243	23.94522	2.637191	27.09737	4.755886	0	2.645701	4.395363	58.3931	8.240627	1.8977	1.025117	0.06414	NaN	Low	3.48722	12.99403
16	TCCCTGAGACCCT	1.035827	0	2.970628	1.297257	0	5.139665	1.039688	5.930882	2.34915	1.770725	9.739928	7.968287	1.662862	0	0	0	0	1.322851	0	0.799905	2.151383	-1.40745	1.123353	0.210241	NaN	Low	3.124792	1.177974
16	TCCCTGAGACCCT	2.071654	1.509442	8.911883	3.891771	0	12.84916	1.039688	2.372353	15.26947	12.39507	28.13757	23.90486	1.662862	1.130225	0	0	1.191446	2.645701	7.691886	2.399716	6.453738	-0.30499	1.042107	0.769776	NaN	Low	7.133381	5.774096
16	TCCCTGAGACCCT	5.179136	7.547211	20.79439	6.486284	3.479177	125.9218	4.158751	3.558529	62.25247	18.59261	110.3859	55.77801	7.316594	7.15809	10.34627	0.594486	3.574338	6.614253	18.68029	10.39877	24.44087	-0.61933	0.995616	0.533904	0.66404	OK	29.60784	19.2739
16	TCCCTGAGACCCT	19.68072	25.66052	38.61816	19.45885	13.91671	429.162	15.59531	42.70235	224.3438	63.7461	234.8405	133.4688	34.25496	43.70202	55.1801	4.755886	21.44603	26.45701	70.32581	61.59272	78.94542	-0.23064	0.911653	0.800276	0.87097	OK	85.24238	72.64846
16	TCCCTGAGACCCT	1.035827	3.018884	2.970628	1.297257	3.479177	48.82682	1.039688	1.186176	25.84065	9.738987	29.21978	9.960359	6.984021	5.651124	6.404833	0	7.148676	0	19.77913	9.598866	9.659044	0.554415	1.000911	0.57964	NaN	Low	7.82561	11.49248
16	TCCCTGAGACCCT	5.179136	9.056653	11.88251	6.486284	10.43753	125.9218	7.277814	14.23412	78.69652	21.2487	102.8104	49.8018	11.64004	15.82315	24.63397	1.783457	8.340122	18.51991	37.36059	16.39806	28.87662	-0.09201	0.893599	0.917987	0.950772	OK	29.79717	27.95608
16	TCCCTGAGACCTT	6.214963	1.509442	7.426569	2.594514	0	12.84916	0	1.186176	11.74575	0.885362	6.493285	2.988108	0.665145	1.506966	0.985359	0	0	1.322851	0	0.399953	2.93868	-2.16615	1.10435	0.049824	NaN	Low	4.806463	1.070898
16	TCCCTGAGACTCT	4.143309	4.528326	22.27971	3.891771	0	17.98883	2.079375	1.186176	18.7932	0.885362	12.98657	8.964323	0.997717	1.130225	0.985359	0	1.191446	0	0	0.799905	5.14158	-2.21067	1.091674	0.042864	NaN	Low	8.456312	1.826848
16	TCCCTGAGACTCT	193.6997	111.6987	334.1956	112.8613	69.58353	1873.408	42.62719	119.8038	1564.534	140.7726	722.9191	304.787	58.20018	42.94854	45.81919	11.88971	11.91446	19.84276	50.54668	30.39641	293.1224	-2.12479	1.023039	0.037807	0.108876	OK	476.8994	109.3454
16	TCTCTGAGACCCT	13.46575	4.528326	10.3972	3.891771	6.958353	123.352	3.119063	4.744705	104.5372	6.197537	41.12414	12.94847	2.993152	1.506966	4.926795	0.594486	3.574338	0	1.098841	2.399716	17.61794	-2.21018	1.07404	0.039608	0.112545	OK	28.9743	6.261576
16	TCTCTGAGACCCT	1.035827	0	2.970628	0	0	30.83799	0	0	7.04745	0.885362	6.493285	0	0.332572	0	0	0	0	0	0	0	2.480156	-1.22337	1.182873	0.301026	NaN	Low	3.472923	1.487389
16	TCTCTGAGACCCT	1.035827	1.509442	0	1.297257	0	20.55866	0	0	2.34915	0.885362	4.328857	4.98018	0	0	0	0	0	1.322851	1.098841	0	1.968321	-0.90681	1.190309	0.446163	NaN	Low	2.567326	1.369317
16	TGAGGGGCAGAG	1.035827	0	0	0	0	2.569832	1.039688	5.930882	1.174575	1.770725	1.082214	3.984144	0.997717	0.376742	0	2.972429	0	0	2.197682	3.199622	1.416604	0.8675	0.984899	0.378426	NaN	Low	1.003083	1.830124

16 TGAGGGGCAGAG	2.071654	0	0	0	3.479177	0	4.158751	4.744705	1.174575	3.54145	0	4.98018	1.995435	0.376742	2.956077	10.10626	3.574338	6.614253	4.395363	1.599811	2.788438	-0.00137	0.929932	0.998824	NaN	Low	2.789762	2.787114
16 TGAGGGGCAGAG	23.82402	10.56609	4.455941	6.486284	13.91671	17.98883	37.42876	53.37794	24.66607	18.59261	20.56207	22.90883	24.61036	13.5627	19.70718	76.68866	27.40326	58.20542	53.8432	34.39594	28.15954	0.665523	0.642236	0.300082	0.45009	OK	21.77725	34.54183
16 TGAGGGGCAGAG	12.42993	10.56609	1.485314	5.189028	3.479177	5.139665	14.55563	29.65441	7.04745	5.312175	7.5755	36.85333	18.29148	9.795281	13.30235	43.39746	34.55194	38.36267	30.76754	29.19655	17.84765	0.749806	0.737653	0.309403	0.459445	OK	13.31136	22.38394
16 TGAGGGGCAGAG	8.286617	25.66052	8.911883	2.594514	52.18765	59.10615	35.34938	39.14382	8.222024	23.90479	50.86407	147.4133	92.12257	63.66933	75.37996	88.57837	90.5499	70.11108	62.63393	60.79282	53.27413	0.205897	0.77119	0.789479	0.863958	OK	49.479	57.06926
16 TGTAAACATCCCT	4.143309	3.018884	0	0	0	0	1.039688	2.372353	1.174575	1.770725	3.246643	4.98018	1.33029	0.376742	0	1.783457	0	0	2.197682	0	1.371726	-0.47802	1.071299	0.655451	NaN	Low	1.596921	1.146531
16 TGTAAACATCCCT	3.107481	7.547211	1.485314	3.891771	0	0	3.119063	5.930882	2.34915	1.770725	4.328857	3.984144	6.651449	0	2.463397	1.188971	1.191446	1.322851	2.197682	0	2.62652	-1.38799	0.961728	0.148956	NaN	Low	3.800778	1.452261
16 TGTAAACATCCTA	2.071654	6.037769	7.426569	7.783541	10.43753	0	2.079375	2.372353	2.34915	0	22.7265	16.93261	10.64232	5.274382	8.375551	7.133829	3.574338	1.322851	0	2.399716	5.947002	-1.7714	0.927243	0.056082	NaN	Low	9.199308	2.694695
16 TGTAAACATCCTA	6.214963	10.56609	1.485314	3.891771	6.958353	2.569832	7.277814	1.186176	1.174575	28.3316	6.493285	15.93657	7.649166	12.80921	8.86823	4.755886	19.06314	1.322851	3.296522	8.399007	7.912518	-0.40204	0.793147	0.61223	NaN	Low	9.007941	6.817095
16 TGTAAACATCCTA	5.179136	0	0	0	6.958353	2.569832	3.119063	3.558529	0	13.28044	5.411071	2.988108	6.318876	6.404607	9.36091	2.377943	7.148676	1.322851	0	2.799669	3.939903	-1.14103	0.938457	0.224039	NaN	Low	5.421503	2.458303
16 TGTAAACATCCTA	298.3182	282.2657	213.8852	193.2913	365.3136	236.4246	363.8907	334.5017	286.5963	324.928	272.718	303.791	328.249	404.6205	450.8017	291.298	1251.018	441.8321	362.6175	538.3364	377.2349	0.275932	0.476589	0.562608	0.689107	OK	341.2693	413.2005
16 TGTAAACATCCTA	0	0	2.970628	0	0	0	1.039688	5.930882	1.174575	0	0	0	0.332572	0.753483	0.985359	0.594486	1.191446	0	0	0	0.748656	-1.76786	1.190874	0.137674	NaN	Low	1.157438	0.339874
16 TGTAAACATCCTA	3.107481	3.018884	2.970628	1.297257	0	2.569832	4.158751	5.930882	1.174575	7.968262	3.246643	5.976216	3.325724	3.767416	9.36091	4.1614	1.191446	2.645701	1.098841	2.799669	3.488526	-0.78339	0.724617	0.279646	NaN	Low	4.413067	2.563985
16 TGTAAACATCCTA	68.36459	73.96266	49.01536	90.80798	76.54189	51.39665	60.30188	41.51617	32.8881	45.15349	71.42614	78.68684	92.12257	30.89281	29.06809	42.80297	35.74338	11.90566	7.691886	10.39877	50.03439	-2.4224	0.530911	5.05E-06	0.000232	OK	84.3362	15.73258
16 TGTAAACATCCTC	0	1.509442	2.970628	0	0	0	2.079375	0	0	1.770725	3.246643	0.996036	0.997717	3.390674	2.463397	0.594486	1.191446	1.322851	0	0.799905	1.166666	-1.03729	1.033579	0.315577	NaN	Low	1.568899	0.764434
16 TGTAAACATCCTC	2.071654	4.528326	0	1.297257	0	2.569832	2.079375	2.372353	1.174575	5.312175	6.493285	2.988108	1.995435	15.06966	4.926795	0	8.340122	2.645701	1.098841	3.999527	3.448151	-0.38534	0.907902	0.671254	NaN	Low	3.905927	2.990375
16 TGTAAACATCCTC	1.035827	9.056653	0	3.891771	3.479177	5.139665	3.119063	7.117058	1.174575	8.853625	2.164428	5.976216	4.656014	13.18596	7.390192	1.188971	3.574338	5.291402	0	0.799905	4.354742	-2.5004	0.942748	0.007996	NaN	Low	7.401443	1.30804
16 TGTAAACATCCTT	23.82402	7.547211	121.7957	23.35062	0	5.139665	32.23032	1.186176	32.8881	27.44624	16.23321	32.86919	15.6309	15.4464	22.66326	12.4842	4.765784	13.22851	29.6687	7.199149	22.27987	-0.27632	0.850939	0.745392	0.833284	OK	24.40699	20.15274
16 TGTAAACATCCTT	0	6.037769	4.455941	0	0	0	2.079375	0	0	4.426812	0	0	1.33029	0.376742	0.492679	0	1.191446	1.322851	0	1.199858	1.145688	-0.4884	1.149797	0.671003	NaN	Low	1.337784	0.953592
16 TGTAAACATCCTT	13.46575	4.528326	10.3972	2.594514	3.479177	0	9.357189	0	2.34915	10.62435	4.328857	11.95243	10.30975	5.274382	8.375551	3.566914	4.765784	2.645701	5.494204	3.999527	5.875438	-0.39119	0.708183	0.580686	NaN	Low	6.667158	5.083717
16 TGTAAACATCCTT	68.36459	33.20773	41.58879	18.1616	6.958353	15.41899	77.97657	15.42029	12.92032	92.0777	28.13757	42.82955	49.55329	35.79045	23.64861	24.37392	28.59471	19.84276	14.28493	31.59627	34.03735	-0.57205	0.624676	0.359792	0.505349	OK	40.6985	27.37619
16 TGTAAACATCCTT	22.7882	25.66052	28.22096	14.26983	17.39588	10.27933	18.71438	16.60647	18.7932	56.6632	25.97314	39.84144	39.57612	33.15326	29.56077	24.37392	22.63747	13.22851	4.395363	22.39735	24.22646	-0.8263	0.516196	0.109433	0.227025	OK	30.98065	17.47228
16 TGTAAACATCCTT	6.214963	4.528326	4.455941	6.486284	6.958353	2.569832	9.357189	9.489411	2.34915	8.853625	9.739928	7.968287	12.30518	14.69292	12.31699	17.83457	7.148676	3.968552	4.395363	7.599102	7.961632	-0.45461	0.570223	0.425305	NaN	Low	9.20576	6.717504
16 TGTAAACATCCTT	21.75237	25.66052	1.485314	5.189028	17.39588	20.55866	9.357189	7.117058	9.396599	17.70725	14.06878	10.9564	23.61264	24.11146	31.03881	24.37392	21.44603	14.55136	5.494204	23.99716	16.46353	-0.12948	0.603292	0.830068	0.890584	OK	17.2018	15.72526
16 TGTAAACATCCTT	248.5985	244.5296	121.7957	98.59152	260.9383	146.4804	354.5335	113.8729	187.932	234.6211	231.5938	243.0328	274.7048	239.6076	284.7687	250.873	529.002	436.5407	218.6693	246.7708	248.3729	-0.10074	0.447991	0.822077	0.8849	OK	257.0411	239.7046
16 TGTAAACATCCTT	2419.692	1518.499	879.3058	755.0035	3099.946	1310.615	4069.338	1238.368	2572.319	1912.383	1646.048	1945.258	2391.528	1978.27	2159.414	1761.461	7165.357	5279.497	3980.001	4464.672	2627.349	0.737307	0.574702	0.199514	0.33685	OK	1970.22	3284.478
16 TGTAAACATCCTT	16.57323	43.77382	4.455941	7.783541	6.958353	2.569832	30.15094	9.489411	7.04745	21.2487	21.64428	21.91279	28.9338	18.83708	23.64861	26.75186	14.29735	7.937103	2.197682	8.399007	16.23054	-1.50947	0.674612	0.025251	0.08296	OK	24.02318	8.437897
16 TGTAAACATCCTT	1.035827	1.509442	1.485314	0	0	0	0	0	0	5.312175	3.246643	6.972252	1.33029	1.130225	0	0	0	0	0	1.599811	1.181099	-0.30723	1.170342	0.792926	NaN	Low	1.306387	1.055811
16 TGTAAACATCTTT	25.89568	16.60386	13.36782	6.486284	0	7.709497	16.635	4.744705	3.523725	18.59261	6.493285	6.972252	5.986304	5.274382	0	2.972429	2.382892	1.322851	1.098841	1.599811	7.383112	-2.01638	0.923188	0.028951	NaN	Low	11.83971	2.926513
16 TGTAAACATCTTT	7.25079	9.056653	4.455941	3.891771	3.479177	7.709497	1.039688	0	1.174575	0.885362	0	3.984144	3.658297	2.637191	0.985359	4.755886	1.191446	0	0	0.399953	2.827786	-2.34799	1.047513	0.024995	NaN	Low	4.72708	0.928493
16 TGTAAACATCTTT	20.71654	15.09442	7.426569	3.891771	3.479177	17.98883	9.357189	5.930882	8.222024	8.853625	6.493285	6.972252	7.316594	3.767416	3.448756	2.377943	7.148676	5.291402	3.296522	0.799905	7.393689	-1.91593	0.74198	0.009817	NaN	Low	11.68963	3.097753
16 TGTAAACATCTTT	73.54373	51.32103	34.16222	25.94514	73.06271	28.26816	37.42876	35.58529	54.03045	19.47797	15.151	20.91675	23.61264	21.09753	20.69254	19.02354	42.89206	13.22851	15.38377	6.399244	31.56115	-1.56579	0.565985	0.005666	0.028217	OK	47.18393	15.93837
16 TGTAAACATCTTT	4.143309	15.09442	7.426569	2.594514	0	5.139665	2.079375	3.558529	5.872875	2.656087	5.411071	3.984144	4.323442	1.506966	2.956077	4.1614	2.382892	0	0	0.799905	3.704562	-2.29116	0.918585	0.012623	NaN	Low	6.152166	1.256958
16 TGTAAACATTCTT	17.60906	12.07554	16.33845	7.783541	6.958353	0	14.55563	3.558529	5.872875	8.853625	7.5755	9.960359	4.988587	3.767416	1.478038	1.783457	1.191446	0	4.395363	3.199622	6.597269	-0.75536	0.818767	0.356235	NaN	Low	8.285961	4.908578
16 TGTAAACATTCTT	8.286617	4.528326	8.911883	6.486284	0	2.569832	2.079375	1.186176	3.523725	0	1.082214	2.988108	3.325724	3.013933	0.492679	2.377943	0	0	1.098841	0.799905	2.637578	-1.26013	0.965855	0.192004	NaN	Low	3.721431	1.553726
16 TGTAAACATTCTT	11.3941	9.056653	5.941255	7.783541	13.91671	2.569832	4.158751	4.744705	7.04745	2.656087	2.164428	3.984144	2.328007	3.390674	2.463397	3.566914	4.765784	2.645701	2.197682	0.799905	4.878786	-1.67369	0.766215	0.028935	NaN	Low	7.428963	2.328609
16 TGTAAACATTCTT	24.85985	37.73605	23.76502	24.64788	24.35424	15.41899	30.15094	17.79265	17.61862	12.39507	12.98657	13.9445	14.63319	9.041798	11.33163	10.70074	15.4888	9.259954	1.098841	4.39948	16.58124	-2.30341	0.588561	9.09E-05	0.001401	OK	27.57602	5.586458
16 TTCCTGAGACCCT	1.035827	1.509442	5.941255	1.297257	0	15.41899	0	0	14.0949	0.885362	7.5755	4.98018	0.332572	0	0.492679	0	0	0	1.098841	0	2.73314	-1.27857	1.172756	0.275615	NaN	Low	3.870741	1.595539
16 TTCCTGAGACCCT	10.35827	10.56609	14.85314	1.297257	3.479177	115.6425	1.039688	4.744705	105.7117	1.770725	46.53521	18.92468	2.66058	1.883708	1.970718	0	0	0	4.395363	0.799905	17.33167	-1.65197	1.135657	0.145769	0.270674	OK	26.29588	8.367463
16 TTCCTGAGACCCT	2.071654	1.509442	0	0	0	5.139665	0	1.186176	10.57117	1.770725	7.5755	2.988108	0.997717	0.376742	0.492679	0	0	0	1.098841	0.399953	1.808919	-0.91475	1.119667	0.413937	NaN	Low	2.363927	1.25391
16 TTCCTGAGACTCT	12.42993	16.60386	14.85314	6.486284	0	77.09497	0	3.558529	86.91854	1.770725	15.151	4.98018	1.33029	0.753483	0.492679	0	0	1.322851	1.098841	0.399953	12.26226	-2.09709	1.147107	0.067526	0.161213	OK	19.87837	4.646155
16 TTTCTGAGACCCT	1.035827	1.509442	0	0	0	2.569832	0	2.372353	5.872875	0	0	0	0	0	0.492679	0	0	0	0	0	0.69265	-1.16404	1.179193	0.323568	NaN	Low	0.95785	0.427451
17 ACAGTTGTTCAAC	0	1.509442	0	0	0	0	0	0	0	0	0	1.992072	4.656014	0	0.492679	0	1.191446	0	0	0	0.492083	-1.00135	1.16197	0.388814	NaN	Low	0.656315	0.32785
17 ACCGATTTCTCCT	0	0	1.485314	2.594514	0	2.569832	4.158751	0	1.174575	1.770725	3.246643	1.992072	1.662862	2.637191	2.956077	1.188971	2.382892	0	0	2.799669	1.631004	-0.04256	0.867118	0.960851	NaN	Low	1.655062	1.606947
17 ACCGATTTCTCCT	1.035827	6.037769	7.426569	3.891771	0	0	9.357189	0	1.174575	6.197537	3.246643	10.9564	3.990869	3.767416	6.404833	2.377943	3.574338	1.322851	1.098841	2.799669	3.733052	-0.83197	0.812962	0.306126	NaN	Low	4.780569	2.685535
17 AGCGCGGGCTGA	0	0	0	0	0	0	0	1.186176	0	0	0	0	0.332572	0.376742	1.478038	1.783457	1.191446	0	2.197682	2.399716	0.547292	1.753988	1.097744	0.110085	NaN	Low	0.250311	0.844272
17 AGCGCGGGCTGA	0	0	0	0	3.479177	0	2.079375	0	1.174575	0	0	0	0.665145	1.130225	0.492679	2.377943	0	2.645701	4.395363	7.199149	1.281967	2.425198	0.956618	0.011239	NaN	Low	0.402436	2.161497
17_AGGCAGTGTATT	0	4.528326	0	2.594514	0	0	3.119063	0	29.36437	0.885362	5.411071	4.98018	0	2.637191	0	0.594486	0	0	12.08725	4.39948	3.530065	0.920881	1.164471	0.429052	NaN	Low	2.44019	4.61994
17 AGGCAGTGTATT	0	0	0	0	0	0	0	0	9.396599	0	0	1.992072	0	0	0	0	0	0	1.098841	0.399953	0.644373	0.061256	1.073141	0.954481	NaN	Low	0.630695	0.658051
17 AGGCAGTGTATT	0	0	0	0	0	0	0	0	9.396599	0	1.082214	2.988108	0	1.130225	0	0.594486	0	0	4.395363	1.199858	1.039343	0.923256	1.193334	0.439122	NaN	Low	0.717681	1.361004
17_AGGCAGTGTATT	0	9.056653	0	28.53965	3.479177	0	0	0	54.03045	0.885362	4.328857	12.94847	0	2.260449	0	0.594486	0	0	16.48261	2.399716	6.750294	0.295614	1.191281	0.80402	NaN	Low	6.061123	7.439465
17 AGTAATCCAGGAT	1.035827	1.509442	2.970628	1.297257	10.43753	2.569832	2.079375	1.186176	1.174575	1.770725	0	1.992072	0.665145	1.883708	0.492679	1.188971	1.191446	1.322851	2.197682	0.399953	1.868294	-0.48055	0.89098	0.589649	NaN	Low	2.176602	1.559985
17 CAAATTCTCCTTT	6.214963	1.509442	0	5.189028	3.479177	0	2.079375	1.186176	2.34915	0.885362	0	0	0.665145	0	0	1.188971	2.382892	3.968552	0	0.799905	1.594907	-1.14568	1.101052	0.298094	NaN	Low	2.196875	0.992939
17 CAAATTCTCCTTT	5.179136	0	10.3972	0	3.479177	2.569832	1.039688	1.186176	1.174575	2.656087	2.164428	0	1.662862	0.753483	0	1.188971	1.191446	0	4.395363	1.199858	2.011914	0.437316	0.976953	0.654419	NaN	Low	1.709298	2.31453
17 CTGAGACCCTTTA	0	6.037769	5.941255	2.594514	3.479177	0	8.317501	1.186176	1.174575	0.885362	0	0	0.997717	0	0.492679	0.594486	0	0	0	0	1.585061	-2.10664	1.179782	0.074162	NaN	Low	2.572758	0.597363
17 GCTGACTCCTAGT	0	0	0	1.297257	0	0	0	0	0	0	0	0	0.332572	0	0	0.594486	0	0	9.889567	1.599811	0.685685	3.594381	1.156022	0.001876	NaN	Low	0.104856	1.266513
17 GCTGACTCCTAGT	15.53741	13.58498	17.82377	11.67531	0	12.84916	13.51594	10.67559	34.06267	5.312175	2.164428	20.91675	21.61721	8.665056	2.463397	33.88569	32.16904	9.259954	71.42465	39.99527	18.87992	1.719257	0.695103	0.013384	0.051274	OK	8.796361	28.96348
17 GCTGACTCCTAGT	156.4099	57.3588	105.4573	85.61895	13.91671	38.54749	81.09564	69.98441	91.61684	50.46566	16.23321	28.88504	57.86761	38.42764	22.66326	135.5427	362.1996	60.85113	349.4314	206.3756	101.4474	1.583249	0.731811	0.030505	0.095802	OK	50.76891	152.126
17 GCTGACTCCTAGT	9.322444	4.528326	11.88251	6.486284	3.479177	0	9.357189	17.79265	25.84065	14.1658	1.082214	4.98018	13.3029	7.911573	5.419474	13.67317	15.4888	15.87421	31.86638	13.19844	11.28262	1.025498	0.636758	0.107289	0.2238	OK	7.433382	15.13185
17_GCTGACTCCTAGT	15.53741	12.07554	5.941255	9.080798	10.43753	20.55866	8.317501	11.86176	17.61862	16.82189	3.246643	5.976216	9.977173	7.15809	6.897512	25.56289	41.70061	10.5828	53.8432	19.99764	15.65969	1.363769	0.607122	0.024686	0.08223	OK	8.76418	22.55519
17 GCTGACTCCTAGT	2.071654	0	0	2.594514	0	5.139665	0	1.186176	2.34915	1.770725	1.082214	0	1.33029	2.260449	0.492679	0	1.191446	0	5.494204	1.599811	1.428149	1.265275	0.907318	0.16316	NaN	Low	0.839167	2.017131
17 GCTGACTCCTAGT	5.179136	1.509442	0	0	0	0	0	0	2.34915	0	0	0	0.332572	0	0	0	0	0	0	0	0.468515	-0.76685	1.116955	0.492364	NaN	Low	0.590181	0.346849
17_GTAAACATCCTTG	1.035827	0	0	3.891771	3.479177	2.569832	4.158751	0	1.174575	0.885362	1.082214	0	0.665145	2.637191	1.478038	0.594486	4.765784	3.968552	7.691886	5.999291	2.303894	1.76615	0.784514	0.024369	NaN	Low	1.04688	3.560909
17 GTTGACTCCTAGT	2.071654	3.018884	0	0	0	0	1.039688	0	5.872875	0	1.082214	0	0	0	0	0.594486	1.191446	0	1.098841	0.399953	0.818502	-0.11139	1.180823	0.924847	NaN	Low	0.850084	0.78692
17 GTTGACTCCTAGT	29.00316	9.056653	19.30908	5.189028	0	0	8.317501	14.23412	17.61862	1.770725	0	0	2.66058	1.130225	0.492679	9.511772	4.765784	0	6.593045	3.199622	6.64263	-0.37138	1.047955	0.723054	NaN	Low	7.492904	5.792355
17_GTTGACTCCTAGT	1.035827	1.509442	1.485314	0	0	0	0	0	5.872875	0.885362	0	0	0.332572	0.376742	0.492679	0	0	0	0	0	0.599541	-1.49334	1.193095	0.210697	NaN	Low	0.884807	0.314275
17 TCTCTGGGCCTGT	3.107481	0	0	0	3.479177	0	0	0	1.174575	0.885362	2.164428	0	0.332572	0	0.985359	1.188971	0	0	1.098841	2.799669	0.860822	1.179723	1.068203	0.26942	NaN	Low	0.527249	1.194395
17 TCTCTGGGCCTGT	25.89568	6.037769	17.82377	10.37806	24.35424	2.569832	2.079375	5.930882	4.6983	2.656087	12.98657	1.992072	4.656014	0.376742	4.434115	7.133829	7.148676	11.90566	13.18609	31.19631	9.872003	1.286424	0.780172	0.099169	NaN	Low	5.740828	14.00318
17 TCTCTGGGCCTGT	0	0	1.485314	0	0	0	0	0	0	1.174575	0	1.082214	0	1.33029	0	0	0.594486	1.191446	0	6.593045	1.999764	0.772557	2.4716	1.088147	0.023124	NaN	Low	0.236018	1.309095
17 TTAAACATCCTAC	0	0	0	0	0	0	0	2.372353	0	0	1.082214	0	1.995435	1.130225	0.492679	0	0	1.322851	2.197682	0.399953	0.54967	0.732297	1.156453	0.526586	NaN	Low	0.413086	0.686253
17 TTAAAGCAATGAG	5.179136	1.509442	10.3972	0	3.479177	0	4.158751	1.186176	4.6983	2.656087	0	0.996036	1.995435	0.753483	0	1.783457	1.191446	0	6.593045	1.199858	2.388851	0.62031	0.962223	0.519145	NaN	Low	1.883057	2.894646
17_TTCATTCGGCTGT	0	0	0	0	0	0	0	0	5.872875	0	0	0	0	0	0	0	0	0	0	0	0.293644	-0.2067	0.75833	0.785181	NaN	Low	0.314644	0.272644
17 TTCATTCGGCTGT	0	0	0	0	0	0	0	0	28.1898	0	0	0	0	0	0	0	0	0	0	0	1.40949	-0.03979	0.366906	NaN	NaN	Low	1.428925	1.390055
17 TTTGGTTATCTAG	0	0	0	0	0	0	0	0	0	0	0	0	1.662862	0	0	0	0	0	0	0	0.083143	-0.12312	0.612755	0.840749	NaN	Low	0.086689	0.079597
18_AGAGCTTAGCTG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.492679	0	0	0	2.197682	1.999764	0.234506	2.695745	1.70069	0.112946	NaN	Low	0.062712	0.406301
18 AGGGGTGCTATC	0	0	0	0	0	0	2.079375	0	0	0	0	0	0.332572	0.753483	1.970718	2.972429	0	2.645701	1.098841	1.999764	0.692644	0.817011	1.146949	0.476258	NaN	Low	0.501598	0.883691
18 CAAAGGGAAGCC	0	0	0	6.486284	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.324314	-0.21221	0.766097	0.781782	NaN	Low	0.348123	0.300505
18_CGGAATCCCAAA	4.143309	4.528326	34.16222	14.26983	13.91671	7.709497	5.198438	11.86176	21.14235	2.656087	4.328857	1.992072	4.656014	3.390674	4.434115	10.70074	10.72301	1.322851	4.395363	7.199149	8.636569	-0.4862	0.771609	0.528624	NaN	Low	10.07824	7.194898
18 TAAACATCCTACA	2.071654	0	1.485314	6.486284	0	5.139665	3.119063	3.558529	4.6983	2.656087	2.164428	7.968287	5.653732	1.883708	2.956077	4.1614	1.191446	1.322851	0	0.399953	2.845839	-2.58915	0.988526	0.008814	NaN	Low	4.8806	0.811078
19 ACAACCCTAGGAC	0	0	0	0	0	0	0	0	0	2.656087	0	0	0	0	0	0	0	0	4.395363	1.999764	0.452561	1.914758	1.721725	0.266088	NaN	Low	0.189733	0.715389
19 ACAACCCTAGGAC	0	0	1.485314	0	0	0	1.039688	0	0	0	0	0.996036	0.665145	2.260449	0	0	0	0	1.098841	0.799905	0.417269	0.679782	1.184106	0.565908	NaN	Low	0.320742	0.513796
19_AGGGACGGGACG	0	0	0	0	0	0	1.039688	0	1.174575	0	0	0	0	0	0.492679	0	2.382892	1.322851	0	1.999764	0.420622	0.890228	1.193277	0.455646	NaN	Low	0.294815	0.54643
19 CAAAAGTGATTGT	0	0	0	3.891771	0	0	0	0	0	0	1.082214	0	0	2.637191	2.956077	1.188971	0	0	1.098841	0	0.642753	-0.22295	1.187252	0.851043	NaN	Low	0.69232	0.593187
19_CATGCCTTGAGTG	31.07481	0	1.485314	2.594514	0	0	3.119063	1.186176	0	4.426812	1.082214	1.992072	0.665145	1.506966	0.985359	1.188971	1.191446	2.645701	2.197682	1.599811	2.947103	-0.5361	1.057617	0.612227	NaN	Low	3.488457	2.405749
19_CATGCCTTGAGTG	35.21812	1.509442	0	2.594514	3.479177	0	1.039688	1.186176	1.174575	2.656087	0	0	1.662862	0.376742	1.970718	9.511772	0	2.645701	1.098841	4.799433	3.546193	-0.18292	1.106942	0.868748	NaN	Low	3.770705	3.321681
19 CATGCCTTGAGTG	323.1781	13.58498	31.19159	24.64788	3.479177	35.97765	28.07157	27.28206	3.523725	14.1658	22.7265	32.86919	17.95891	13.5627	4.434115	21.99597	19.06314	14.55136	24.1745	67.59201	37.20154	0.281178	0.92049	NaN	NaN	Outlier	33.58773	40.81536
19_CATGCCTTGAGTG	284.8525	15.09442	49.01536	24.64788	13.91671	30.83799	42.62719	27.28206	18.7932	33.64377	36.79528	23.90486	16.96119	22.98124	6.897512	19.02354	22.63747	22.48846	17.58145	68.79187	39.9387	0.114661	0.814975	NaN	NaN	Outlier	38.35243	41.52497
19_CATGCCTTGAGTG	82.86617	9.056653	5.941255	6.486284	10.43753	2.569832	11.43656	15.42029	3.523725	7.968262	3.246643	5.976216	5.321159	8.665056	4.926795	7.133829	2.382892	7.937103	5.494204	20.79754	11.3794	0.215891	0.850437	0.799605	0.87097	OK	10.52956	12.22924
19 CATGCCTTGAGTG	55.93467	7.547211	16.33845	6.486284	13.91671	7.709497	18.71438	8.303235	7.04745	2.656087	10.82214	8.964323	6.984021	12.05573	4.926795	6.539343	11.91446	15.87421	3.296522	19.99764	12.30146	-0.02438	0.719691	0.972979	0.978936	OK	12.40539	12.19753
19_CATGCCTTGAGTG	6.214963	1.509442	0	0	6.958353	0	3.119063	4.744705	1.174575	0	2.164428	0	0.665145	0.753483	1.478038	1.188971	5.95723	5.291402	4.395363	6.799197	2.620718	1.194552	0.887735	0.178426	NaN	Low	1.593753	3.647683
19_CATGCCTTGAGTG	10.35827	0	4.455941	1.297257	0	5.139665	2.079375	2.372353	1.174575	0.885362	1.082214	5.976216	0.997717	3.013933	1.970718	0.594486	0	3.968552	3.296522	8.79896	2.873106	1.146232	0.831108	0.167845	NaN	Low	1.788231	3.957981
19 CATGCCTTGAGTG	78.72286	24.15107	35.64753	12.97257	17.39588	43.68715	47.82563	46.26088	11.74575	24.79015	38.95971	63.7463	16.62862	31.26955	6.897512	8.917286	9.531568	29.10271	15.38377	36.3957	30.00161	-0.19646	0.662995	0.76698	0.845181	OK	32.04125	27.96197
19 CATGCCTTGAGTG	11.3941	4.528326	4.455941	0	3.479177	5.139665	5.198438	5.930882	1.174575	0	7.5755	11.95243	1.995435	3.390674	0.985359	0.594486	2.382892	5.291402	2.197682	3.999527	4.083325	-0.30161	0.861063	0.726134	NaN	Low	4.508603	3.658047
19_GGAATCCCAAAA	3.107481	6.037769	2.970628	3.891771	3.479177	2.569832	3.119063	1.186176	4.6983	1.770725	1.082214	1.992072	2.993152	0.753483	1.478038	1.783457	2.382892	0	4.395363	4.799433	2.724551	0.901597	0.649926	0.165371	NaN	Low	1.899878	3.549225
19 TAGCAGCACATCA	0	0	0	1.297257	0	0	0	2.372353	1.174575	2.656087	1.082214	0.996036	1.33029	0.753483	0.492679	3.566914	0	2.645701	2.197682	3.199622	1.188245	1.082416	0.90086	0.229543	NaN	Low	0.762287	1.614203
19 TAGCAGCACATCA	13.46575	24.15107	35.64753	15.56708	6.958353	7.709497	13.51594	16.60647	28.1898	9.738987	18.39764	27.88901	30.59667	19.9673	13.79502	13.07869	20.25458	18.51991	45.05247	35.59579	20.73488	1.047702	0.415465	0.011677	0.046282	OK	13.52024	27.94951
19_TAGTAGCACATCA	5.179136	3.018884	5.941255	3.891771	3.479177	0	1.039688	1.186176	2.34915	1.770725	0	0	2.328007	0.376742	0	0.594486	0	1.322851	1.098841	0	1.678844	-1.35163	1.086708	0.213578	NaN	Low	2.412396	0.945293
19 TAGTAGCACATCA	6.214963	6.037769	8.911883	9.080798	6.958353	7.709497	4.158751	2.372353	21.14235	0.885362	3.246643	1.992072	2.328007	1.130225	1.478038	5.350372	2.382892	2.645701	1.098841	2.399716	4.876229	-1.18807	0.849929	0.16216	NaN	Low	6.777762	2.974697
19 TATGCCTTGAGTG	4.143309	3.018884	1.485314	0	3.479177	2.569832	5.198438	0	1.174575	0.885362	1.082214	0.996036	0	0.753483	0	0	0	0	0	0	1.239331	-2.02722	1.18263	0.086499	NaN	Low	1.99037	0.488293
19_TGTCTTGCAGGCC	3.107481	0	0	3.891771	0	0	0	0	2.34915	0	0	0.996036	0.332572	0	0.985359	1.188971	0	3.968552	101.0934	0	5.895662	4.141194	1.405633	0.003218	NaN	Low	0.63241	11.15892
19 TGTCTTGCAGGCC	0	0	0	1.297257	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.593045	0	0.394515	2.084388	1.696241	0.219137	NaN	Low	0.150551	0.638479
2 CTGTACTGAGCTG	7.25079	1.509442	0	0	0	0	1.039688	1.186176	1.174575	0	0	0	0.665145	0	0.492679	0	0	2.645701	1.098841	1.199858	0.913145	0.241988	1.149407	0.833252	NaN	Low	0.836742	0.989548
2_CTGTACTGAGCTG	7.25079	1.509442	0	1.297257	0	0	6.238126	5.930882	0	0	1.082214	0.996036	0.997717	0	1.478038	1.783457	0	6.614253	5.494204	1.599811	2.113611	0.591188	1.041274	0.570202	NaN	Low	1.686513	2.54071
2 GAATTCGAGTCAC	0	3.018884	0	2.594514	0	0	6.238126	0	0	0	0	0	0	0	0	0.594486	0	0	0	0	0.6223	-0.7724	1.118309	0.489762	NaN	Low	0.785018	0.459583
2 GGATCCGAGTCAC	2.071654	3.018884	1.485314	1.297257	0	0	6.238126	0	3.523725	0.885362	1.082214	0	0.997717	0	0	1.188971	1.191446	3.968552	0	0	1.347461	-2.30782	1.168898	0.048342	NaN	Low	2.242096	0.452826
2_TACCTTCTTGTATA	4.143309	1.509442	0	0	24.35424	20.55866	6.238126	3.558529	3.523725	1.770725	6.493285	0	7.316594	3.767416	1.478038	0	2.382892	9.259954	0	1.199858	4.877739	-1.92447	1.056642	0.06856	NaN	Low	7.721385	2.034094
20 AAAAGTGATTGTG	0	0	0	3.891771	0	0	0	0	0	0	0	0	0.332572	0.753483	2.956077	0	3.574338	0	0	0	0.575412	-1.07067	1.170394	0.360301	NaN	Low	0.779639	0.371185
20 ACTGGATTTGGAC	2.071654	0	0	0	3.479177	7.709497	0	7.117058	3.523725	0	1.082214	3.984144	0.665145	0.376742	0.492679	1.188971	1.191446	1.322851	0	0	1.710265	-2.40838	1.163566	0.038469	NaN	Low	2.878344	0.542186
20_ACTGGATTTGGAC	0	0	0	0	0	0	0	7.117058	1.174575	0.885362	1.082214	0	0	0.376742	0	0.594486	0	0	0	0	0.561522	-1.14773	1.177959	0.329887	NaN	Low	0.773801	0.349243
20 CATCTTACTGGGC	3.107481	1.509442	1.485314	2.594514	3.479177	2.569832	3.119063	0	0	6.197537	0	12.94847	9.312028	0	0	3.566914	2.382892	3.968552	7.691886	8.79896	3.636603	1.094863	0.989159	0.268353	NaN	Low	2.319316	4.953891
20 CATCTTACTGGGC	1.035827	3.018884	0	0	0	0	1.039688	0	0	0	0	0	2.66058	0	0.492679	1.783457	1.191446	1.322851	0	9.998818	1.127212	1.986844	1.124298	0.077197	NaN	Low	0.454183	1.80024
20_CATCTTACTGGGC	1.035827	4.528326	0	1.297257	0	0	0	0	0	0.885362	0	5.976216	3.658297	0	0	1.783457	0	0	0	4.799433	1.198209	0.698989	1.184869	0.555238	NaN	Low	0.913489	1.482928
20 CATCTTACTGGGC	0	0	0	1.297257	0	0	0	0	1.174575	0	0	1.992072	2.993152	0	0	0.594486	0	1.322851	2.197682	0	0.578604	0.430543	1.192851	0.718147	NaN	Low	0.492902	0.664305
20 GAATCCCAAAAG	2.071654	1.509442	2.970628	2.594514	0	0	1.039688	1.186176	2.34915	0.885362	2.164428	4.98018	2.993152	1.130225	0.492679	3.566914	2.382892	1.322851	12.08725	3.599575	2.466338	1.726819	0.69465	0.012923	NaN	Low	1.14448	3.788196
20_TGAGAACTGAATT	2.071654	1.509442	2.970628	0	0	2.569832	1.039688	11.86176	5.872875	2.656087	0	4.98018	1.33029	1.506966	1.478038	1.188971	0	3.968552	2.197682	5.999291	2.660097	0.664694	0.871086	0.445426	NaN	Low	2.057918	3.262276
20 TGAGAACTGAATT	0	3.018884	8.911883	2.594514	3.479177	2.569832	2.079375	3.558529	3.523725	3.54145	4.328857	0	0.665145	1.506966	1.970718	1.188971	5.95723	0	2.197682	4.39948	2.774621	0.389661	0.808802	0.629965	NaN	Low	2.40218	3.147062
20 TGAGAACTGAATT	1.035827	7.547211	4.455941	3.891771	0	7.709497	0	22.53735	4.6983	1.770725	1.082214	3.984144	3.658297	1.883708	1.970718	3.566914	9.531568	2.645701	4.395363	5.199386	4.578232	0.095857	0.837148	0.908838	NaN	Low	4.426192	4.730272
20_TGAGAACTGAATT	0	0	0	0	0	5.139665	0	5.930882	0	0.885362	0	0	0.332572	0.376742	0	0	1.191446	0	1.098841	0.799905	0.787771	0.249267	1.187884	0.833791	NaN	Low	0.719885	0.855657
20 TGAGAACTGAATT	0	4.528326	2.970628	1.297257	0	7.709497	1.039688	4.744705	0	1.770725	0	0.996036	1.995435	1.506966	1.478038	1.188971	3.574338	0	0	3.599575	1.920009	0.16937	0.916187	0.853336	NaN	Low	1.807435	2.032583
20 TGAGAACTGAATT	0	12.07554	5.941255	3.891771	6.958353	17.98883	1.039688	22.53735	3.523725	3.54145	4.328857	3.984144	1.995435	1.883708	5.912153	7.728315	10.72301	3.968552	2.197682	7.199149	6.370948	-0.30145	0.814938	0.711452	NaN	Low	7.034143	5.707753
20_TGAGAACTGAATT	0	0	0	0	0	0	0	3.558529	1.174575	0	0	0	0.332572	1.130225	0.492679	0	2.382892	0	1.098841	1.999764	0.608504	1.068159	1.146644	0.351568	NaN	Low	0.392994	0.824013
20 TGAGAACTGAATT	0	4.528326	11.88251	2.594514	6.958353	5.139665	1.039688	9.489411	12.92032	1.770725	0	0.996036	0.665145	0.753483	0.492679	0.594486	1.191446	0	0	0	3.05084	-2.74269	1.145547	0.016656	NaN	Low	5.308548	0.793131
20 TGAGAACTGAATT	3.107481	0	2.970628	1.297257	0	2.569832	0	5.930882	3.523725	0.885362	0	0	0	0	0	0	0	0	0	0.399953	1.034256	-0.93295	1.193384	0.43435	NaN	Low	1.357482	0.71103
20_TGATTGTCCAAAC	0	0	2.970628	1.297257	13.91671	5.139665	1.039688	0	1.174575	2.656087	1.082214	3.984144	1.33029	2.260449	0.985359	2.377943	5.95723	0	3.296522	0.799905	2.513433	-0.20458	0.913822	0.822855	NaN	Low	2.691344	2.335522
21 ACTGGACTTGGAC	1.035827	1.509442	0	0	0	2.569832	0	0	1.174575	5.312175	2.164428	6.972252	1.33029	0.376742	0	0.594486	1.191446	0	1.098841	0	1.266517	-0.99173	1.135389	0.382405	NaN	Low	1.68546	0.847574
21 ATCTTACTGGGCA	0	1.509442	0	1.297257	0	0	0	0	1.174575	0	0	0	0	0	0	0	0	0	3.296522	4.39948	0.583864	2.789951	1.180868	0.018146	NaN	Low	0.147514	1.020214
21_ATCTTACTGGGCA	0	0	0	0	0	0	0	0	0	1.770725	0	0	0	0	0	0.594486	0	0	0	1.999764	0.218249	0.987097	1.034594	0.340038	NaN	Low	0.146368	0.290129
21 TACCCTGTAGAAC	0	0	0	0	0	0	0	0	2.34915	0	5.411071	0	0.997717	0	0	0	0	1.322851	1.098841	1.999764	0.65897	0.755565	1.191198	0.525891	NaN	Low	0.490251	0.827688
21 TACCCTGTAGAAC	1.035827	7.547211	2.970628	1.297257	0	2.569832	2.079375	3.558529	4.6983	17.70725	29.21978	0	6.651449	0.753483	0	0	9.531568	1.322851	4.395363	15.59816	5.546843	0.7426	1.050081	0.479452	NaN	Low	4.149983	6.943703
21_TACCCTGTAGAAC	0	0	0	0	0	0	0	0	1.174575	0	8.657714	0	0	0	0	0	0	0	0	2.399716	0.6116	0.308369	0.993459	0.756257	NaN	Low	0.546485	0.676716
21 TACCCTGTAGAAC	0	0	0	1.297257	0	0	1.039688	0	4.6983	0	14.06878	0	1.995435	0	0	0	0	0	0	4.799433	1.394945	0.404736	1.171547	0.72974	NaN	Low	1.200548	1.589341
21 TACCCTGTAGAAC	1.035827	0	0	0	0	0	0	0	1.174575	0	6.493285	0	0	0	0	0	0	0	2.197682	0.399953	0.565066	0.566752	1.151174	0.622489	NaN	Low	0.455481	0.674651
21_TACCCTGTAGAAC	0	6.037769	2.970628	3.891771	0	0	6.238126	0	9.396599	2.656087	27.05536	0	1.33029	0.376742	0	0	0	1.322851	2.197682	2.399716	3.293681	-0.34946	1.153435	0.761909	NaN	Low	3.690653	2.896709
21 TACCCTGTAGAAT	0	3.018884	0	0	0	0	3.119063	2.372353	10.57117	1.770725	20.56207	0	0.997717	0.376742	0.492679	0	0	1.322851	5.494204	1.599811	2.584914	0.308146	1.144578	0.787759	NaN	Low	2.309902	2.859925
21 TACCCTGTAGATC	6.214963	0	0	0	0	0	0	3.558529	1.174575	5.312175	1.082214	2.988108	0.332572	1.506966	0	0	1.191446	1.322851	3.296522	1.199858	1.459039	0.43479	1.071924	0.685025	NaN	Low	1.24083	1.677247
21 TACCCTGTAGATC	2.071654	0	10.3972	2.594514	0	5.139665	5.198438	4.744705	1.174575	11.50971	1.082214	14.94054	2.328007	2.637191	1.478038	2.377943	3.574338	2.645701	0	4.799433	3.934693	-0.51267	0.887314	0.563417	NaN	Low	4.626531	3.242856
21 TACCCTGTAGATC	0	0	0	1.297257	0	0	0	2.372353	0	2.656087	1.082214	0	0.332572	1.506966	0.492679	0	0	1.322851	0	2.399716	0.673135	0.712433	1.125942	0.526901	NaN	Low	0.510228	0.836042
21 TACCCTGTAGATC	17.60906	1.509442	37.13284	22.05337	0	12.84916	8.317501	7.117058	11.74575	64.63146	6.493285	23.90486	6.984021	9.418539	10.34627	4.1614	9.531568	3.968552	4.395363	38.79542	15.04825	0.52033	0.836786	0.534061	0.66404	OK	12.3636	17.73289
21 TACCCTGTAGATC	100.4752	58.86824	172.2964	199.7776	59.146	228.7151	90.45283	96.08029	64.60162	421.4325	66.01507	261.9575	59.86304	137.8874	119.2284	67.17689	138.2077	113.7651	43.95363	350.7585	142.533	0.494399	0.648118	0.445569	0.591108	OK	118.3468	166.7191
21 TACCCTGTAGATC	1364.184	1073.213	1795.744	3183.468	1374.275	3954.972	1198.76	1222.948	927.9142	4116.05	951.2663	3185.323	786.5338	2567.871	1869.226	994.5746	1970.652	2412.879	751.6071	4391.481	2004.647	0.379817	0.586902	0.517532	0.650249	OK	1742.28	2267.014
21 TACCCTGTAGATC	9.322444	1.509442	4.455941	9.080798	0	15.41899	0	3.558529	1.174575	34.52914	4.328857	5.976216	4.656014	8.288315	7.882871	4.755886	10.72301	6.614253	1.098841	13.59839	7.348626	0.038991	0.862934	0.96396	NaN	Low	7.249327	7.447925
21 TACCCTGTAGATC	100.4752	75.47211	74.26569	169.9407	121.7712	334.0782	72.77814	78.28764	51.6813	337.3231	46.53521	155.3816	51.54873	232.0728	153.2233	77.28315	295.4786	250.0188	38.45943	417.9506	156.7013	0.565001	0.695322	0.416462	0.563281	OK	126.4032	186.9994
21 TACCCTGTAGATC	72.5079	37.73605	22.27971	202.3721	38.27094	190.1676	33.27001	53.37794	37.5864	100.046	41.12414	359.569	27.27094	129.9758	80.79943	41.614	113.1874	160.0649	41.75595	222.7737	100.2875	0.405191	0.754625	0.591307	0.711011	OK	86.29613	114.2789
21 TGAGGTAGTAAAT	2.071654	0	1.485314	5.189028	6.958353	2.569832	4.158751	3.558529	2.34915	2.656087	1.082214	0.996036	4.988587	2.260449	2.463397	2.377943	0	1.322851	4.395363	1.199858	2.60417	-0.05855	0.748765	0.937674	NaN	Low	2.657005	2.551335
21 TGAGGTAGTAAGT	61.1138	33.20773	99.51602	49.29576	31.31259	30.83799	58.22251	53.37794	45.80842	98.27524	62.76842	35.85729	53.21159	80.99944	48.77527	142.6766	96.50713	218.2703	189.0006	153.9818	82.15082	1.171198	0.549524	0.033065	0.101436	OK	50.52347	113.7782
21 TGAGGTAGTAAGT	26.93151	18.11331	59.41255	14.26983	38.27094	10.27933	9.357189	32.02676	23.4915	19.47797	25.97314	4.98018	26.6058	46.71596	41.38507	75.49969	51.23218	96.56809	80.21538	69.99173	38.53991	1.027013	0.658013	0.118576	0.239677	OK	25.37356	51.70625
21 TGAGGTAGTAAGT	8.286617	27.16996	37.13284	10.37806	17.39588	30.83799	9.357189	21.35117	15.26947	29.21696	37.8775	24.9009	21.28464	24.86494	23.15593	49.34232	28.59471	30.42556	51.64552	39.99527	26.92417	0.836847	0.463492	0.070993	0.167863	OK	19.32721	34.52114
21 TGAGGTAGTAAGT	0	0	1.485314	1.297257	0	0	0	1.186176	2.34915	0.885362	1.082214	0.996036	0.332572	2.260449	1.970718	0.594486	4.765784	1.322851	2.197682	1.199858	1.196295	0.329397	0.919818	0.72026	NaN	Low	1.060316	1.332275
21 TGGCAGTGTCTTA	7.25079	0	1.485314	1.297257	3.479177	2.569832	1.039688	1.186176	2.34915	3.54145	1.082214	0.996036	0.997717	0.753483	0	1.188971	0	1.322851	1.098841	0.799905	1.621943	-0.61581	0.971086	0.525988	NaN	Low	1.96294	1.280946
21 TGGCAGTGTCTTA	0	0	0	0	0	0	0	3.558529	0	0	0	0	0	0	0.492679	0.594486	0	1.322851	0	1.999764	0.398415	0.788498	1.174031	0.501828	NaN	Low	0.292171	0.50466

21	TGGCAGTGTCTTA	4.143309	0	1.485314	0	3.479177	0	1.039688	2.372353	2.34915	0.885362	0	0.996036	0.997717	0	1.970718	2.972429	0	1.322851	1.098841	1.599811	1.335638	0.074025	0.961995	0.938663	NaN	Low	1.301379	1.369896
21	TGGCAGTGTCTTA	4.143309	0	2.970628	1.297257	3.479177	0	0	7.117058	1.174575	0.885362	1.082214	0	0.332572	0.753483	2.463397	4.1614	3.574338	10.5828	2.197682	5.199386	2.570732	0.552242	0.94086	0.557234	NaN	Low	2.084634	3.05683
21	TGGCAGTGTCTTA	2.071654	1.509442	0	1.297257	6.958353	2.569832	0	2.372353	2.34915	3.54145	1.082214	0	1.662862	1.883708	2.956077	5.350372	2.382892	0	3.296522	5.199386	2.324176	0.97452	0.75463	0.196569	NaN	Low	1.567748	3.080605
21	TGGCAGTGTCTTA	0	0	0	0	0	0	2.079375	0	0	0	0	0	0.332572	0	1.478038	0	0	2.645701	0	1.999764	0.426773	0.706489	1.177816	0.54862	NaN	Low	0.324316	0.529229
21	TGGCAGTGTCTTA	38.3256	42.26438	10.3972	40.21496	31.31259	12.84916	14.55563	46.26088	17.61862	19.47797	7.5755	6.972252	9.644601	21.09753	22.66326	27.34634	64.33809	75.40248	7.691886	85.58989	30.07994	0.67358	0.714108	0.345555	0.49213	OK	23.18276	36.97712
21	TGGCAGTGTCTTA	3.107481	1.509442	1.485314	1.297257	3.479177	0	1.039688	11.86176	0	2.656087	1.082214	0	0.997717	2.637191	4.926795	2.377943	3.574338	3.968552	3.296522	11.99858	3.064803	1.413656	0.815938	0.083175	NaN	Low	1.672876	4.456731
21	TGGCAGTGTCTTA	0	0	7.426569	0	0	0	0	0	1.174575	0	0	0	0	0	0	0	0	0	0	0	0.430057	-0.36771	0.929122	0.692283	NaN	Low	0.484568	0.375546
21	TGGCAGTGTCTTA	7.25079	6.037769	10.3972	10.37806	3.479177	2.569832	2.079375	14.23412	7.04745	0.885362	1.082214	0.996036	0.332572	0	0	1.783457	0	2.645701	0	2.399716	3.679941	-1.07224	1.066822	0.31486	NaN	Low	4.987788	2.372094
21	TGGCAGTGTCTTA	14.50158	10.56609	10.3972	16.86434	17.39588	7.709497	4.158751	14.23412	7.04745	1.770725	0	1.992072	1.995435	1.130225	0.985359	2.377943	4.765784	0	0	2.799669	6.034606	-1.52466	0.97258	0.116965	NaN	Low	8.956331	3.112881
21	TGGGTTTACGTTG	5.179136	0	1.485314	0	3.479177	0	1.039688	3.558529	10.57117	2.656087	0	6.972252	3.658297	3.390674	4.926795	4.1614	0	1.322851	4.395363	1.199858	2.89983	-0.1873	0.90652	0.836309	NaN	Low	3.087806	2.711853
21	TGGGTTTACGTTG	0	0	0	0	0	0	0	0	0	0	0	1.992072	1.662862	0.753483	0.492679	0.594486	0	1.322851	0	0	0.340922	-1.25586	1.185908	0.289606	NaN	Low	0.480596	0.201247
22	ACCCTGTAGATCC	6.214963	0	2.970628	10.37806	3.479177	7.709497	2.079375	0	1.174575	7.968262	3.246643	3.984144	1.995435	1.883708	1.478038	0.594486	3.574338	2.645701	2.197682	4.799433	3.418707	0.156238	0.80122	0.845393	NaN	Low	3.233772	3.603642
22	ACCCTGTAGATCC	10.35827	1.509442	19.30908	22.05337	10.43753	25.69832	14.55563	10.67559	4.6983	57.54856	5.411071	20.91675	8.314311	15.06966	12.80967	10.70074	25.02037	19.84276	10.98841	43.9948	17.49563	0.702998	0.681342	0.302173	0.452113	OK	13.31538	21.67589
22	ACCCTGTAGATCC	151.2308	63.39657	139.6195	236.1008	111.3337	298.1006	109.1672	125.7347	62.25247	317.8451	81.16607	240.0447	64.85163	197.4126	138.4429	79.0666	138.2077	183.8762	54.94204	347.159	156.9975	0.383764	0.580062	0.508233	0.642458	OK	136.2387	177.7563
22	ACCCTGTAGATCC	215.452	140.3781	117.3398	451.4454	191.3547	580.7821	136.1991	236.0491	116.2829	441.7959	139.6056	419.3311	131.6987	370.7137	335.5147	190.8299	295.4786	410.0837	149.4424	715.1155	289.2447	0.623407	0.576186	0.279273	0.427583	OK	227.7061	350.7832
22	ACCCTGTAGATCC	113.941	87.54764	86.1482	198.4803	90.45859	313.5196	80.05595	104.3835	50.50672	330.2402	55.19293	203.1913	72.50079	251.2866	143.8624	101.0626	233.5234	220.916	48.349	498.7411	164.1954	0.784672	0.646209	0.224645	0.371022	OK	120.6122	207.7786
22	ACCCTGTAGATCC	16.57323	22.64163	19.30908	47.99851	10.43753	66.81564	16.635	18.97882	11.74575	89.42161	7.5755	31.87315	17.95891	70.82742	48.28259	10.10626	45.27495	54.23687	10.98841	101.588	35.96344	0.672733	0.729193	0.356231	0.501777	OK	27.72722	44.19967
22	ACCCTGTAGATCC	51.79136	15.09442	20.79439	134.9147	34.79177	120.7821	23.91282	42.70235	21.14235	64.63146	20.56207	239.0486	17.29377	82.12966	50.74598	26.15737	33.36049	89.95384	14.28493	141.5833	62.28389	0.328389	0.779742	0.673645	0.77868	OK	55.22575	69.34202
22	ACCCTGTAGATCT	5.179136	1.509442	5.941255	5.189028	6.958353	2.569832	0	3.558529	5.872875	0.885362	1.082214	2.988108	0.332572	1.883708	0.492679	1.188971	2.382892	1.322851	1.098841	4.39948	2.741806	0.238825	0.839846	0.776128	NaN	Low	2.515382	2.968231
22	AGCTGGTGTTGT(	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.593045	1.199858	0.389645	3.869301	1.682124	0.021434	NaN	Low	0.049909	0.729381
22	AGCTGGTGTTGT(	0	0	0	0	0	0	0	0	1.174575	0	0	0	0	0	0	0	0	0	54.94204	4.799433	3.045802	6.126356	1.37454	8.31E-06	NaN	Low	0.085969	6.005636
22	ATCCTGTAGAACC	0	0	0	0	0	0	0	0	1.174575	0	6.493285	0	0.997717	0	0	0.594486	0	0	1.098841	0.399953	0.537943	0.191852	1.184284	0.871307	NaN	Low	0.502227	0.573658
22	ATCCTGTAGATCC	5.179136	0	0	3.891771	0	0	0	1.186176	1.174575	0	0	6.972252	0	0	2.463397	0	0	0	1.098841	0	1.098307	-0.50752	1.190251	0.669821	NaN	Low	1.289522	0.907092
22	ATGCTGACATATT	0	0	0	0	0	0	0	0	0	0	2.164428	0	0.332572	0.376742	0	0.594486	0	0	0	3.599575	0.35339	1.750622	1.192518	0.142103	NaN	Low	0.161919	0.544862
22	ATGCTGACATATT	3.107481	0	0	0	0	0	0	1.186176	1.174575	0.885362	0	0	1.995435	0	0.492679	1.783457	0	1.322851	0	5.999291	0.897365	1.5035	1.118886	0.17903	NaN	Low	0.467951	1.32678
22	CAGTGGTTTTACC	3.107481	1.509442	2.970628	2.594514	3.479177	0	3.119063	0	1.174575	3.54145	0	0.996036	4.656014	6.027865	2.463397	1.783457	5.95723	1.322851	6.593045	3.599575	2.74479	0.78527	0.732138	0.283464	NaN	Low	2.015697	3.473883
22	CCTCCTGATGATT	5.179136	4.528326	4.455941	2.594514	3.479177	0	4.158751	1.186176	2.34915	2.656087	3.246643	0	1.995435	1.130225	1.970718	0.594486	5.95723	2.645701	0	0.799905	2.44638	-1.76335	0.938597	0.060284	NaN	Low	3.779466	1.113294
22	CCTCCTGATGATT	2.071654	0	1.485314	3.891771	0	2.569832	0	8.303235	0	2.656087	1.082214	0	2.66058	3.390674	2.956077	0.594486	7.148676	0	1.098841	1.199858	2.055465	-0.71922	0.997549	0.470918	NaN	Low	2.557461	1.553469
22	CCTCCTGATGATT	0	0	0	0	0	0	0	1.186176	1.174575	0	1.082214	0	0	0	2.956077	0	0	0	0	0.399953	0.33995	-0.26227	1.150849	0.819729	NaN	Low	0.370765	0.309134
22	CCTCCTGATGATT	12.42993	0	4.455941	5.189028	6.958353	2.569832	2.079375	4.744705	0	2.656087	2.164428	0	0.332572	1.506966	0.492679	0	1.191446	0	0	0	2.338567	-2.54752	1.156764	0.027646	NaN	Low	3.993968	0.683166
22	CTGAAGCTCAGA(	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.790727	0	0.439536	3.067856	1.706877	0.07228	NaN	Low	0.093665	0.785407
22	CTGAAGCTCAGA(	1.035827	1.509442	0	0	0	2.569832	0	0	0	0	0	0	0.997717	1.883708	2.463397	0	0	1.322851	95.59915	0.399953	5.389094	4.632862	1.31222	0.000415	NaN	Low	0.417594	10.36059
22	CTTCCTGATGATT	7.25079	0	1.485314	2.594514	0	0	1.039688	3.558529	1.174575	0	1.082214	0	0	0.376742	0	0	0	0	0	0	0.928118	-1.55277	1.193392	0.19321	NaN	Low	1.384368	0.471868
22	GCCCTGTAGAACC	0	0	0	0	0	0	0	0	1.174575	0	6.493285	0	0.332572	0	0	0	0	0	0	0	0.400022	-0.54516	1.038257	0.599535	NaN	Low	0.474714	0.325329
22	GCCCTGTAGATCC	0	0	1.485314	2.594514	0	7.709497	1.039688	0	0	0.885362	0	0.996036	1.995435	4.144157	1.478038	0	0	1.322851	2.197682	6.799197	1.632389	1.465456	0.999188	0.142472	NaN	Low	0.867944	2.396833
22	GGCAGTGTCTTAC	2.071654	0	0	2.594514	3.479177	0	0	2.372353	0	1.770725	1.082214	0	0.332572	0	0.985359	4.1614	1.191446	2.645701	1.098841	7.199149	1.549255	1.472275	0.984989	0.134989	NaN	Low	0.820886	2.277624
22	TACCTGTAGATCC	2.071654	0	1.485314	2.594514	6.958353	2.569832	2.079375	1.186176	1.174575	3.54145	1.082214	2.988108	0	0.753483	0	1.188971	1.191446	3.968552	0	2.399716	1.861687	-0.18168	0.94813	0.848042	NaN	Low	1.978753	1.744621
22	TATGGCTTTTTAT	0	1.509442	0	2.594514	0	0	0	0	0	0	0	1.992072	1.995435	0.753483	2.463397	1.188971	0	0	0	9.598866	1.104809	1.884217	1.132814	0.096251	NaN	Low	0.470981	1.738637
22	TATGGCTTTTTAT	0	3.018884	2.970628	5.189028	0	0	0	8.303235	1.174575	1.770725	5.411071	5.976216	21.61721	3.013933	37.44364	13.67317	0	0	5.494204	51.5939	8.332521	1.615882	1.085085	0.136441	NaN	Low	4.099652	12.56539
22	TTTGGCAATGGTA	7.25079	1.509442	7.426569	0	3.479177	0	0	2.372353	0	6.197537	0	1.992072	2.328007	0	0.492679	1.188971	1.191446	0	0	2.799669	1.911436	-0.22897	1.104562	0.835782	NaN	Low	2.062797	1.760074
22	TTTGGCAATGGTA	22.7882	7.547211	7.426569	7.783541	10.43753	2.569832	4.158751	9.489411	7.04745	18.59261	8.657714	7.968287	10.97489	3.767416	2.956077	8.917286	1.191446	5.291402	18.68029	31.19631	9.872112	1.504791	0.603463	0.012646	NaN	Low	5.144625	14.5996
22	TTTGGCAATGGTA	17.60906	9.056653	16.33845	9.080798	0	5.139665	5.198438	8.303235	5.872875	20.36334	3.246643	10.9564	5.321159	7.15809	6.404833	7.728315	4.765784	3.968552	10.98841	31.59627	9.454848	1.308803	0.575678	0.022996	NaN	Low	5.437948	13.47175
22	TTTGGCAATGGTA	135.6934	111.6987	37.13284	63.56559	34.79177	17.98883	19.75407	106.7559	22.31692	122.18	34.63086	72.71062	90.45971	89.66449	38.429	159.9167	104.8473	54.23687	54.94204	263.9688	81.78421	1.032624	0.651953	0.113218	0.231603	OK	53.70397	109.8645
22	TTTGGCAATGGTA	345.9663	324.5301	253.9887	172.5352	535.7932	43.68715	103.9688	425.8373	234.915	474.5543	174.2365	360.565	274.7048	272.3842	191.6523	389.9826	307.3931	234.1445	274.7102	1483.425	343.9487	1.53269	0.570909	0.007261	0.034673	OK	176.6898	511.2076
22	TTTGGCAATGGTA	710.5774	893.5897	470.8445	378.799	970.6903	205.5866	232.89	1271.581	601.3824	983.6377	445.8723	715.1538	629.2271	730.1252	492.1868	1480.864	1892.016	829.4273	886.7645	3359.603	909.0409	1.363846	0.587216	0.020203	0.069894	OK	508.7389	1309.343
22	TTTGGCAATGGTA	622.5321	558.4936	665.4206	431.9865	1760.463	172.1788	312.946	1374.778	1010.134	650.7414	454.53	792.8446	584.9949	601.6563	533.5719	754.4024	1279.613	1120.454	1088.951	4342.287	955.649	1.73041	0.568336	0.002329	0.014089	OK	442.6125	1468.686
22	TTTGGCAATGGTA	0	3.018884	0	0	3.479177	0	0	0	1.174575	0.885362	0	0.996036	0	0	3.448756	0	3.574338	0	0	1.199858	0.888849	-0.20172	1.189262	0.865308	NaN	Low	0.95089	0.826809
22	TTTGGCAATGGTA	166.7682	138.8687	265.8712	173.8324	998.5237	97.65363	142.4372	449.5608	549.7011	154.9384	175.3187	137.453	152.9833	224.538	170.4671	275.2469	873.33	711.6936	973.573	2811.268	482.2013	2.314169	0.699742	0.000942	0.00768	OK	161.4555	802.9472
22	TTTGGCAATGGTA	12.42993	4.528326	7.426569	5.189028	100.8961	2.569832	5.198438	37.95764	31.71352	7.0829	8.657714	6.972252	6.651449	6.781348	33.5022	6.539343	73.86966	30.42556	53.8432	166.7803	30.45077	2.03623	0.873486	0.019745	0.068552	OK	11.93744	48.96409
22	TTTGGCAATGGTA	114.9768	120.7554	129.2223	197.183	1318.608	128.4916	137.2388	843.3714	338.2776	229.3089	142.8523	99.60359	130.701	252.7936	220.2277	218.7707	644.5723	562.2115	766.9909	2085.354	434.0755	1.920331	0.744845	0.009933	0.042214	OK	181.428	686.7231
22	TTTGGCAATGGTA	10.35827	13.58498	11.88251	16.86434	194.8339	17.98883	23.91282	124.5485	18.7932	34.52914	21.64428	7.968287	25.94065	24.4882	33.00952	16.05111	75.0611	48.94547	136.2563	295.5651	57.61132	2.168266	0.791529	0.006156	0.030102	OK	20.96929	94.25336
22	TTTGGCAATGGTA	0	0	0	0	6.958353	0	0	3.558529	0	0	0	0	1.662862	1.883708	0.985359	0.594486	2.382892	0	1.098841	7.199149	1.316209	1.632197	1.102658	0.138809	NaN	Low	0.642077	1.990341
22	TTTGGCAATGGTA	1.035827	0	0	0	10.43753	2.569832	0	2.372353	0	0	1.082214	0	0	1.130225	0.492679	1.188971	3.574338	0	5.494204	6.799197	1.808869	1.995929	1.037314	0.054338	NaN	Low	0.725182	2.892555
22	TTTGGCAATGGTA	0	0	1.485314	0	0	7.709497	4.158751	3.558529	0	3.54145	5.411071	0	0.332572	0.753483	0	0	1.191446	0	3.296522	8.79896	2.01188	1.498086	1.09676	0.171964	NaN	Low	1.052052	2.971708
22	TTTGGCAATGGTA	2.071654	0	0	1.297257	27.83341	10.27933	1.039688	9.489411	1.174575	0	2.164428	0.996036	0.997717	3.767416	1.478038	2.377943	1.191446	5.291402	3.296522	6.799197	4.077274	0.473758	0.967636	0.624414	NaN	Low	3.41377	4.740778
22	TTTGGCAATGGTA	4.143309	1.509442	0	1.297257	3.479177	10.27933	1.039688	8.303235	2.34915	3.54145	4.328857	0	1.662862	3.390674	2.956077	1.188971	10.72301	2.645701	4.395363	30.39641	4.881498	2.141705	0.785326	0.006388	NaN	Low	1.803676	7.95932
22	TTTGGCAATGGTA	0	1.509442	0	0	0	0	0	2.372353	0	2.656087	3.246643	0	0	0.753483	0.492679	0	2.382892	1.322851	2.197682	8.399007	1.266656	2.07727	1.058788	0.04977	NaN	Low	0.485301	2.04801
22	TTTGGCAATGGTA	1.035827	0	0	0	0	0	1.039688	0	0	0	0	0	0.997717	0	0	0	0	0	0	6.399244	0.473624	2.129907	1.176513	0.070241	NaN	Low	0.17617	0.771078
22	TTTGGCAATGGTA	1.035827	0	0	0	6.958353	2.569832	2.079375	4.744705	0	0.885362	4.328857	0	0.665145	2.260449	0.985359	0.594486	4.765784	6.614253	5.494204	47.99433	4.598816	3.210092	0.90211	0.000373	NaN	Low	0.896972	8.30066
22	TTTGGCAATGGTA	0	0	0	0	6.958353	15.41899	3.119063	5.930882	0	0	1.082214	0.996036	0	0.376742	0	0.594486	3.574338	0	0	9.998818	2.402496	0.866057	1.181216	0.463442	NaN	Low	1.702284	3.102709
22	TTTGGCAATGGTA	0	0	0	0	0	5.139665	0	2.372353	0	0	0	0	0.332572	0	0	0	1.191446	0	0	6.399244	0.771764	1.507777	1.180027	0.201338	NaN	Low	0.401572	1.141956
22	TTTGGCAATGGTA	0	0	0	0	0	5.139665	1.039688	4.744705	0	0	1.082214	0.996036	0	0.376742	0	0	2.382892	0	1.098841	8.79896	1.282987	1.831961	1.151558	0.111642	NaN	Low	0.562688	2.003286
22	TTTGGCAATGGTA	0	0	0	0	0	2.569832	0	2.372353	0	0	2.164428	0	0	0	0	0	0	0	0	3.199622	0.515312	0.899813	1.123476	0.423179	NaN	Low	0.359626	0.670998
22	TTTGGCAATGGTA	0	0	0	0	0	0	0	0	0	0.885362	0	0	0	0.753483	0.985359	0.594486	1.191446	0	0	2.799669	0.36049	1.433618	1.188092	0.227565	NaN	Low	0.194795	0.526186
22	TTTGGCAATGGTA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.322851	0	3.599575	0.246121	1.55098	1.651067	0.347535	NaN	Low	0.125247	0.366995
22	TTTGGCAATGGTA	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0	0	2.382892	0	0	3.199622	0.297963	1.302205	1.066446	0.222059	NaN	Low	0.171932	0.423994
22	TTTGGCAATGGTA	0	4.528326	1.485314	0	24.35424	0	2.079375	9.489411	1.174575	0.885362	3.246643	0.996036	1.33029	3.390674	2.956077	1.783457	5.95723	1.322851	13.18609	30.39641	5.428118	2.403208	0.861094	0.005257	NaN	Low	1.726012	9.130224
22	TTTGGCAATGGTA	1.035827	3.018884	0	0	6.958353	0	1.039688	5.930882	0	2.656087	0	0.996036	0.332572	1.506966	1.478038	0	5.95723	1.322851	7.691886	9.198913	2.456211	1.988116	0.916748	0.030108	NaN	Low	0.988975	3.923447
22	TTTGGCAATGGTA	66.29294	55.84936	90.60414	55.78205	716.7104	74.52514	81.09564	272.8206	109.2355	48.69494	74.67278	76.69477	100.4369	67.43674	116.2724	71.33829	350.2851	185.1991	818.6364	1400.634	241.6609	2.653324	0.733715	0.000299	0.003426	OK	66.28883	417.0329
23	AACATTCAACGCT	3.107481	7.547211	20.79439	7.783541	3.479177	12.84916	2.079375	7.117058	10.57117	5.312175	11.90436	23.90486	1.662862	0.753483	1.970718	3.566914	2.382892	3.968552	3.296522	2.399716	6.822581	-1.12923	0.851426	0.184745	NaN	Low	9.364229	4.280934
23	AACATTCAACGCT	4.143309	33.20773	20.79439	24.64788	10.43753	15.41899	11.43656	11.86176	21.14235	12.39507	12.98657	26.89297	5.321159	3.390674	5.419474	8.917286	7.148676	13.22851	13.18609	8.79896	13.5388	-0.2948	0.63885	0.644471	0.753794	OK	14.91727	12.16032
23	AACATTCAACGCT	32.11064	188.6803	103.972	51.89028	69.58353	82.23464	58.22251	78.28764	119.8066	61.97537	100.6459	230.0843	48.88815	67.81348	41.38507	70.14932	90.5499	64.81968	92.30263	65.9922	85.96971	-0.12634	0.523727	0.809372	0.877933	OK	89.73163	82.20778
23	AACATTCAACGCT	165.7323	1118.497	374.2991	346.3676	626.2518	806.9274	489.6929	495.8217	801.0601	452.4202	565.998	1654.416	326.2536	594.4982	502.0404	418.518	635.0407	796.356	1008.736	499.541	633.9234	0.266741	0.524556	0.611096	0.729005	OK	575.4863	692.3604
23	AACATTCAACGCT	25.89568	175.0953	44.55941	50.59302	139.1671	143.9106	59.2622	87.77705	216.1218	47.80957	55.19293	155.3816	52.87902	73.46461	75.87264	52.31474	109.613	191.8133	321.9604	69.59178	107.4138	0.934667	0.61817	0.130536	0.250894	OK	73.78717	141.0404
23	AACATTCAACGCT	2.071654	30.18884	7.426569	5.189028	31.31259	33.40782	12.47625	18.97882	44.63385	13.28044	23.80871	45.81765	12.63775	14.69292	16.25842	11.29523	14.29735	43.65407	81.31422	14.79825	23.87702	1.079188	0.689743	0.117671	0.238732	OK	15.34095	32.41309
23	AACATTCAACGCT	0	9.056653	1.485314	5.189028	6.958353	7.709497	0	2.372353	1.174575	0	2.164428	7.968287	0.997717	3.390674	1.478038	1.783457	5.95723	3.968552	12.08725	0.799905	3.727066	0.78148	0.899581	0.385003	NaN	Low	2.741605	4.712526
23	AACATTCAACGCT	0	0	0	0	3.479177	2.569832	0	0	0	0	1.082214	0.996036	0	0	0	0	0	0	5.494204	0.399953	0.701071	1.944844	1.190634	0.102374	NaN	Low	0.289104	1.113038
23	AACATTCAACGCT	4.143309	48.30215	28.22096	18.1616	10.43753	17.98883	14.55563	11.86176	25.84065	9.738987	18.39764	38.8454	13.3029	24.11146	11.33163	11.29523	23.82892	7.937103	23.07566	12.79849	18.70879	-0.08154	0.580355	0.888266	0.929756	OK	19.23735	18.18023
23	AACATTCAACGCT	2.071654	52.83047	8.911883	15.56708	0	17.98883	10.39688	8.303235	5.872875	16.82189	24.89093	83.66702	1.33029	4.89764	3.941436	4.755886	8.340122	3.968552	3.296522	4.39948	14.11263	-1.55485	0.942181	0.098889	0.214139	OK	21.0579	7.167366
23	AACATTCAATGCT	0	1.509442	0	2.594514	6.958353	0	0	0	5.872875	0.885362	0	0	0	0.376742	0	0	1.191446	0	0	0.399953	0.989434	-0.85243	1.193408	0.475053	NaN	Low	1.273525	0.705343
23	ACCCTATCAATAT	2.071654	3.018884	5.941255	2.594514	0	5.139665	1.039688	1.186176	1.174575	0.885362	2.164428	0.996036	2.328007	1.130225	0.985359	2.377943	1.191446	1.322851	1.098841	7.199149	2.192303	1.182893	0.712646	0.096943	NaN	Low	1.340729	3.043877
23	ACCCTATCAATAT	3.107481	1.509442	1.485314	2.594514	0	0	0	1.186176	0	0	1.082214	0	0.997717	0.376742	1.478038	0.594486	2.382892	0	3.296522	3.999527	1.204553	1.667159	0.86993	0.055311	NaN	Low	0.576909	1.832198
23	CAGCAGCACACT(	300.3899	135.8498	74.26569	136.212	125.2504	84.80447	188.1835	68.79823	158.5676	184.1554	175.3187	99.60359	260.0717	232.8263	160.1208	252.6564	148.9308	134.9308	7.691886	139.5835	153.4106	-1.05557	0.574275	0.066049	0.159229	OK	207.1565	99.66462
23	CAGCAGCACACT(	10.35827	4.528326	7.426569	5.189028	6.958353	0	5.198438	0	0	0	4.328857	0.996036	5.986304	4.144157	3.448756	4.1614	1.191446	5.291402	0	1.999764	3.560355	-1.34544	0.92501	0.145805	NaN	Low	5.109818	2.010893
23	CTGACCTATGAAT	59.04215	18.11331	5.941255	38.91771	6.958353	10.27933	29.11125	24.9097	28.1898	17.70725	12.98657	124.5045	29.26638	41.81831	60.10689	101.6571	95.31568	72.75678	36.26175	69.99173	44.19179	0.260021	0.743592	0.726578	0.820625	OK	40.22013	48.16344
23	CTGACCTATGAAT	6.214963	0	0	1.297257	0	0	0	3.558529	2.34915	0.885362	1.082214	7.968287	1.995435	2.260449	7.390192	4.1614	8.340122	2.645701	3.296522	3.199622	2.83226	0.101372	0.883929	0.908696	NaN	Low	2.732796	2.931724
23	CTGACCTATGAAT	0	0	0	0	0	0	0	1.186176	0	0	0	1.992072	0.332572	2.260449	4.434115	1.188971	0	1.322851	0	1.199858	0.695853	-0.15239	1.176009	0.896898	NaN	Low	0.73257	0.659137
23	CTGACCTATGAAT	1.035827	0	0	0	0	0	1.039688	2.372353	0	0	1.082214	8.964323	0.665145	1.506966	3.448756	1.188971	1.191446	1.322851	0	1.599811	1.270918	-0.43547	1.076856	0.685928	NaN	Low	1.461283	1.080552
23	CTGACCTATGAAT	5.179136	3.018884	2.970628	5.189028	0	15.41899	6.238126	4.744705	1.174575	2.656087	9.739928	32.86919	15.29833	10.54876	17.24378	14.86214	19.06314	25.13416	3.296522	6.799197	10.07227	-0.91954	0.79958	0.250131	0.396964	OK	13.17776	6.966774
23	CTGACCTATGAAT	33.14647	16.60386	0	15.56708	3.479177	25.69832	17.67469	16.60647	16.44405	9.738987	21.64428	119.5243	54.20931	26.37191	73.90192	86.79492	42.89206	42.33122	28.56986	35.99575	34.35973	-0.09665	0.813815	0.905465	0.94176	OK	35.51022	33.20925
23	CTGACCTATGAAT	8.286617	3.018884	0	9.080798	3.479177	10.27933	5.198438	10.67559	2.34915	1.770725	10.82214	71.71459	28.26866	17.70685	29.56077	13.07869	5.95723	17.19706	4.395363	6.799197	12.98196	-1.07833	0.895467	0.22851	0.374623	OK	17.61965	8.344275
23	CTGACCTATGAAT	26.93151	16.60386	0	20.75611	6.958353	35.97765	17.67469	33.21294	21.14235	15.93652	18.39764	117.5322	63.85391	41.44157	66.51173	79.66109	33.36049	60.85113	25.27334	40.79518	37.14362	-0.17217	0.763454	0.821581	0.8849	OK	39.3573	34.92993
23	CTGACCTATGAAT	0	0	0	0	0	0	0	0	1.174575	0	0	0.996036	0.665145	0	2.956077	0	0	0	0	0.399953	0.309589	-0.24832	1.158476	0.830272	NaN	Low	0.336168	0.283011
23	CTGACCTATGAAT	5.179136	0	0	3.891771	3.479177	2.569832	1.039688	4.744705	1.174575	3.54145	3.246643	18.92468	7.316594	5.274382	12.80967	10.70074	2.382892	1.322851	1.098841	1.999764	4.53487	-1.34385	0.911927	0.140578	NaN	Low	6.506422	2.563318
23	CTGACCTATGAAT	1.035827	0	0	0	0	2.569832	1.039688	0	0	1.770725	5.411071	1.992072	3.990869	3.390674	4.926795	1.783457	0	0	0	0	1.395551	-2.35174	1.167031	0.043889	NaN	Low	2.333874	0.457227
23	GAAGTTCTGTTAT	2.071654	3.018884	2.970628	5.189028	3.479177	2.569832	2.079375	2.372353	2.34915	0.885362	2.164428	5.976216	4.656014	2.637191	0	4.755886	5.95723	0	0	0.399953	2.676618	-2.42429	1.01397	0.016808	NaN	Low	4.512542	0.840694
23	GAAGTTCTGTTAT	13.46575	6.037769	4.455941	7.783541	27.83341	10.27933	3.119063	7.117058	9.396599	14.1658	11.90436	20.91675	20.61949	18.46034	9.853589	32.10223	15.4888	17.19706	19.77913	17.19797	14.3587	0.373485	0.559764	0.504633	0.639125	OK	12.51042	16.20698
23	GAAGTTCTGTTAT	30.03899	13.58498	20.79439	31.13417	80.02106	30.83799	35.34938	21.35117	19.96777	20.36334	34.63086	32.86919	36.58297	39.18112	20.69254	59.44857	78.63544	54.23687	73.62234	56.79329	39.50682	0.806024	0.488946	0.099251	0.214139	OK	28.7491	50.26454
23	TGAAGCTCAGAG(	0	0	0	0	0	2.569832	0	0	0	0	0	0	0	0.376742	0	0	0	1.322851	17.58145	0	1.092544	3.122179	1.658814	0.059812	NaN	Low	0.225104	1.959984
23	TGAGAACCACGT(	1.035827	0	0	2.594514	0	0	0	1.186176	0	0.885362	0	1.992072	0.665145	0	1.478038	2.972429	0	1.322851	3.296522	0	0.871447	0.5328	1.111853	0.631796	NaN	Low	0.712335	1.030559
23	TGAGAACCACGT(	15.53741	3.018884	14.85314	19.45885	0	5.139665	11.43656	26.09588	21.14235	7.968262	7.5755	20.91675	10.64232	0.753483	40.8924	28.53532	38.12627	7.937103	38.45943	19.19773	16.88437	0.755956	0.776015	0.329982	0.479178	OK	12.55927	21.20946
23	TGAGAACCACGT(	0	4.528326	0	1.297257	3.479177	2.569832	8.317501	10.67559	4.6983	1.770725	2.164428	5.976216	2.328007	0	12.31699	10.10626	15.4888	2.645701	18.68029	7.999055	5.752122	1.17162	0.905135	0.195522	NaN	Low	3.536889	7.967356
23	TGGAAGACTAGT(	0	0	0	1.297257	0	0	0	0	0	0	0	0	0	0	0.492679	0	0	0	3.296522	5.199386	0.514292	3.365505	1.185025	0.004511	NaN	Low	0.090972	0.937613
23	TGGAAGACTAGT(	0	3.018884	0	2.594514	3.479177	0	2.079375	4.744705	0	0.885362	0	0	0.997717	1.130225	3.448756	3.566914	0	1.322851	80.21538	23.59721	6.554054	4.479385	0.807909	2.95E-08	NaN	Low	0.562426	12.54568
23	TGGAAGACTAGT(	1.035827	0	0	0	0	0	0	0	1.174575	0	0	0	0	0	0.492679	0.594486	0	1.322851	18.68029	1.599811	1.245026	3.883701	1.094643	0.000388	NaN	Low	0.15799	2.332062
23	TTGACCTATGAAT	6.214963	3.018884	0	12.97257	0	0	2.079375	1.186176	8.222024	0	0	8.964323	1.995435	0.753483	1.478038	2.377943	1.191446	0	0	1.599811	2.602724	-1.12396	1.079093	0.297606	NaN	Low	3.568231	1.637217
24	AAAAGTAATTGTG	0	0	0	0	0	0	0	0	0	0	0	0	0	0.753483	0.492679	0	0	0	3.296522	1.999764	0.327122	2.618918	1.193284	0.028184	NaN	Low	0.091594	0.562651
24	AAGTTCTGTTATA	7.25079	0	1.485314	5.189028	13.91671	2.569832	4.158751	3.558529	0	2.656087	5.411071	3.984144	0.665145	9.418539	1.478038	13.07869	13.10591	1.322851	12.08725	12.39853	5.68676	1.14898	0.827499	0.164986	NaN	Low	3.534816	7.838704
24	ACCTGGCATACAA	0	1.509442	0	0	3.479177	2.569832	1.039688	3.558529	1.174575	0	69.26171	0	0.332572	0.376742	0	0	0	0	2.197682	7.999055	4.67495	0.076083	1.193328	NaN	NaN	Low	4.551707	4.798193
24	ACCTGGCATACAA	0	0	0	0	0	0	0	0	0	0	7.5755	0	0.997717	0	0	0	0	0	1.098841	1.199858	0.543596	0.435048	1.099232	0.692272	NaN	Low	0.46225	0.624942
24	ACCTGGCATACAA	0	0	0	0	0	0	0	0	1.174575	0	44.37078	0	0.332572	0	0	0.594486	0	0	8.790727	5.199386	3.023126	0.573913	1.13696	NaN	NaN	Low	2.429623	3.61663
24	AGCAGCACACTG1	4.143309	1.509442	0	1.297257	3.479177	5.139665	3.119063	4.744705	3.523725	3.54145	2.164428	1.992072	6.318876	3.013933	1.970718	2.377943	0	2.645701	1.098841	1.199858	2.664008	-1.13677	0.812027	0.161537	NaN	Low	3.662433	1.665583
24	GAAGCTCAGAGG	0	0	0	0	0	0	0	1.186176	0	0	1.082214	0.996036	0	0	0	0	0	0	26.37218	0	1.48183	3.623368	1.638861	0.027042	NaN	Low	0.222435	2.741226
24	GAAGCTCAGAGG	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0	0	0	0	7.691886	0	0.403431	2.75765	1.718654	0.108595	NaN	Low	0.103938	0.702925
24	TAGGTAGTTTCAT	0	0	1.485314	0	0	0	1.039688	0	0	0	0	0.996036	5.986304	0	1.970718	0	0	0	5.494204	2.399716	0.968599	1.455841	1.188288	0.220515	NaN	Low	0.517529	1.419669
24	TAGGTAGTTTCAT	8.286617	1.509442	11.88251	11.67531	0	0	1.039688	1.186176	4.6983	0.885362	2.164428	0.996036	13.3029	0	13.30235	0.594486	0	0	4.395363	6.399244	4.11591	0.298594	1.060016	0.778183	NaN	Low	3.69149	4.540331
24	TAGGTAGTTTCAT	2.071654	0	4.455941	1.297257	0	0	0	0	0	0.885362	0	0.996036	9.977173	0	9.853589	0.594486	0	0	1.098841	2.799669	1.7015	0.083874	1.173197	0.943006	NaN	Low	1.652054	1.750947
24	TAGGTAGTTTCAT	97.36775	22.64163	44.55941	71.34913	0	2.569832	19.75407	9.489411	62.25247	6.197537	3.246643	15.93657	75.49395	0.376742	106.4188	1.188971	2.382892	1.322851	89.00611	46.79447	33.91746	0.880271	1.043659	0.398978	0.545621	OK	23.87947	43.95545
24	TAGGTAGTTTCAT	10.35827	3.018884	14.85314	7.783541	3.479177	0	10.39688	3.558529	9.396599	0	1.082214	8.964323	38.24583	0	23.15593	0.594486	0	0	20.87798	3.999527	7.988265	0.492901	1.086763	0.650153	NaN	Low	6.636779	9.339752
24	TAGGTAGTTTCCT	4.143309	0	0	0	3.479177	0	2.079375	0	2.34915	5.312175	0	0.996036	0.332572	0	3.941436	2.972429	0	5.291402	0	2.399716	1.664839	-0.25559	1.114768	0.818653	NaN	Low	1.811928	1.51775
24	TAGGTAGTTTCTT	8.286617	0	4.455941	0	0	0	3.119063	0	5.872875	0	0	0	0	0	0	0.594486	0	0	0	0.799905	1.156444	-0.52848	1.172041	0.652057	NaN	Low	1.365918	0.94697
24	TGACCTATGAATT	58.00632	7.547211	10.3972	53.18753	13.91671	28.26816	16.635	33.21294	23.4915	12.39507	11.90436	225.1041	42.90185	37.29742	42.86311	137.9207	70.29532	56.88257	39.55827	59.59296	49.06891	0.009931	0.798896	0.990082	0.993103	OK	48.90003	49.2378
24	TGACCTATGAATT	3.107481	1.509442	0	2.594514	0	0	0	1.186176	0	0	1.082214	14.94054	2.66058	1.130225	10.34627	5.944857	5.95723	3.968552	0	3.199622	2.881385	-0.60905	1.071979	0.569928	NaN	Low	3.480718	2.282052
24	TGACCTATGAATT	3.107481	0	0	2.594514	0	0	3.119063	0	0	0	0	0.996036	0.665145	0.376742	4.926795	1.188971	0	5.291402	0	0.799905	1.153303	-0.88679	1.145624	0.438892	NaN	Low	1.497002	0.809603
24	TGACCTATGAATT	83.902	21.13219	5.941255	51.89028	3.479177	33.40782	17.67469	34.39911	72.82364	9.738987	32.46643	120.5203	40.57384	45.96247	80.30675	148.6214	78.63544	101.8595	35.16291	76.79093	54.76446	0.02814	0.762116	0.970546	0.977486	OK	54.23039	55.29853
24	TGACCTATGAATT	10.35827	1.509442	0	7.783541	0	5.139665	2.079375	5.930882	3.523725	3.54145	5.411071	40.83747	10.97489	9.795281	44.83383	26.75186	14.29735	17.19706	1.098841	7.999055	10.95315	-1.06632	0.936994	0.255112	0.402073	OK	14.82624	7.080066
24	TGACCTATGAATT	97.36775	31.69828	10.3972	59.67382	13.91671	87.3743	48.86532	58.12264	50.50672	42.4974	87.65935	553.796	188.5686	128.4689	261.6128	231.2549	135.8248	222.2389	67.02929	113.1866	124.503	-0.4424	0.813076	0.586369	0.71027	OK	143.4441	105.5619
24	TGACCTATGAATT	26.93151	4.528326	2.970628	9.080798	3.479177	17.98883	8.317501	17.79265	9.396599	7.968262	10.82214	89.64323	26.93837	15.4464	27.59005	43.39746	21.44603	22.48846	10.98841	23.59721	20.0406	-0.21251	0.763178	0.780665	0.856213	OK	21.51393	18.56727
24	TGACCTATGAATT	1.035827	1.509442	0	0	0	0	0	1.186176	0	0	1.082214	3.984144	1.995435	0.376742	4.926795	1.188971	1.191446	3.968552	1.098841	0.799905	1.217224	-0.42098	1.043731	0.686695	NaN	Low	1.39357	1.040879
24	TTGTGCTTGATCT.	0	0	0	1.297257	0	0	0	1.186176	1.174575	0.885362	0	0	0.665145	0	0	0	0	0	7.691886	3.599575	0.824999	3.16497	1.077749	0.003318	NaN	Low	0.16551	1.484487
24	TTGTGCTTGATCT.	2.071654	0	1.485314	0	0	5.139665	2.079375	1.186176	4.6983	1.770725	0	0	2.328007	2.260449	2.463397	1.783457	3.574338	1.322851	29.6687	15.59816	3.871528	3.342152	0.626064	9.38E-08	NaN	Low	0.694995	7.048062
24	TTGTGCTTGATCT.	1.035827	0	0	2.594514	0	0	1.039688	3.558529	2.34915	0.885362	0	1.992072	1.995435	2.637191	1.478038	0	3.574338	0	32.96522	12.39853	3.425195	3.559118	0.761098	2.92E-06	NaN	Low	0.535733	6.314657
24	TTGTGCTTGATCT.	0	0	0	0	6.958353	0	0	2.372353	0	1.770725	0	0	0	0	0.492679	0.594486	0	0	10.98841	4.799433	1.398822	2.735532	1.148895	0.017265	NaN	Low	0.365226	2.432418
24	TTGTGCTTGATCT.	0	0	0	1.297257	3.479177	2.569832	0	1.186176	1.174575	0	0	0.996036	0.665145	0.376742	0.492679	0.594486	0	1.322851	7.691886	5.599338	1.372309	2.980467	0.816768	0.000263	NaN	Low	0.308647	2.435971
25	ATCAAGGATCTTA	0	0	0	0	6.958353	0	0	0	0	0.885362	0	0.996036	0.332572	0	2.956077	1.783457	0	1.322851	0	0	0.761735	-1.45316	1.192508	0.223005	NaN	Low	1.115916	0.407555
25	CATTCAACGCTGT	0	0	0	0	0	0	0	0	0	0	0	4.98018	0	0.376742	0	0	0	0	0	0	0.267846	-0.34668	0.91154	0.703702	NaN	Low	0.299874	0.235818
25	CCCAGTGTTTAGA	3.107481	6.037769	11.88251	2.594514	0	0	2.079375	2.372353	1.174575	7.0829	5.411071	0	1.662862	0.753483	0	0	0	0	3.296522	0.399953	2.392768	-0.35347	1.084897	0.744565	NaN	Low	2.684437	2.1011
25	CCCAGTGTTTAGA	1.035827	6.037769	38.61816	19.45885	13.91671	23.12849	3.119063	3.558529	4.6983	21.2487	6.493285	0.996036	0.997717	1.883708	1.478038	0	1.191446	1.322851	6.593045	2.399716	7.908812	-0.65429	1.008242	0.516375	NaN	Low	9.672096	6.145528
25	CCCAGTGTTTAGA	40.39726	22.64163	112.8838	71.34913	20.87506	66.81564	13.51594	24.9097	23.4915	52.23639	27.05536	7.968287	7.981739	7.534831	1.970718	3.566914	2.382892	2.645701	18.68029	5.199386	26.70511	-1.02045	0.911193	0.262756	0.409286	OK	35.77462	17.6356
25	CCCAGTGTTTAGA	9.322444	0	10.3972	18.1616	6.958353	7.709497	0	3.558529	3.523725	23.90479	2.164428	0.996036	1.662862	1.883708	1.478038	0	1.191446	0	3.296522	1.599811	4.890449	-0.78717	1.044531	0.45108	NaN	Low	6.192489	3.58841
25	CCCAGTGTTTAGA	18.64489	3.018884	4.455941	15.56708	3.479177	25.69832	3.119063	10.67559	8.222024	5.312175	8.657714	0.996036	5.653732	3.013933	3.941436	2.377943	1.191446	1.322851	9.889567	3.599575	6.941869	-0.0382	0.794209	0.961634	NaN	Low	7.033778	6.84996
25	CTAGGTATGGTC(	0	1.509442	0	2.594514	0	0	1.039688	1.186176	0	0	0	0	0.997717	0	0	1.188971	1.191446	1.322851	0	2.399716	0.671526	0.783992	1.127514	0.48685	NaN	Low	0.493427	0.849626
25	CTCAGTGTTTAGA	5.179136	0	16.33845	6.486284	3.479177	7.709497	0	0	5.872875	2.656087	0	0.996036	0.332572	0.376742	0.492679	0	0	0	0	0.799905	2.535972	-1.35412	1.164032	0.244706	NaN	Low	3.645806	1.426139
26	AACATTCAACCTG	1.035827	0	0	0	0	2.569832	0	0	0	0.885362	0	0	0.332572	0	0	0	0	0	0	3.599575	0.421158	1.71597	1.192075	0.150014	NaN	Low	0.196565	0.645752
26	AACATTCAACCTG	0	1.509442	2.970628	1.297257	0	5.139665	1.039688	1.186176	0	2.656087	2.164428	2.988108	1.662862	1.506966	0.985359	0	3.574338	0	0	10.79872	1.973986	1.603593	0.905556	0.076588	NaN	Low	0.977465	2.970508
26	AACATTCAACCTG	4.143309	31.69828	10.3972	29.83691	3.479177	12.84916	12.47625	10.67559	15.26947	13.28044	18.39764	4.98018	8.314311	32.39978	10.34627	10.10626	20.25458	9.259954	10.98841	137.9837	20.35684	2.184636	0.667467	0.001064	0.008345	OK	7.340932	33.37275
26	AACATTCAACCTG	18.64489	117.7365	40.10347	150.4818	24.35424	71.95531	46.78594	47.44705	50.50672	35.4145	54.11071	21.91279	51.8813	222.2775	44.34115	46.96437	107.2301	91.27669	113.1806	1173.461	126.5034	2.932499	0.699562	2.77E-05	0.000655	OK	29.30245	223.7042
26	AACATTCAACCTG	2.071654	16.60386	0	25.94514	3.479177	0	4.158751	3.558529	4.6983	0.885362	6.493285	0.996036	4.323442	21.85101	5.419474	1.783457	10.72301	7.937103	19.77913	214.7746	17.77407	3.498452	0.898365	9.85E-05	0.001482	OK	2.889721	32.65841
26	AACATTCAACGCG	1.035827	1.509442	1.485314	0	0	0	3.119063	1.186176	8.222024	2.656087	1.082214	0.996036	0	0.376742	0	0	1.191446	0	1.098841	0.799905	1.237956	-0.29988	1.10285	0.785687	NaN	Low	1.366157	1.109755

26 ATGACCTATGAAT	0	0	0	0	0	0	3.119063	0	1.174575	0.885362	1.082214	0.996036	1.995435	0	0	0.594486	7.148676	0	1.098841	2.799669	1.044718	0.708031	1.130822	0.531236	NaN	Low	0.793384	1.296051
26 ATGACCTATGAAT	1.035827	0	0	0	0	0	1.039688	0	3.523725	0	0	0.996036	0.665145	1.883708	3.448756	1.188971	0	2.645701	0	1.199858	0.881371	-0.35394	1.101888	0.748048	NaN	Low	0.988947	0.773794
26 ATTCAACGCTGTC	0	3.018884	7.426569	1.297257	0	0	3.119063	2.372353	1.174575	0.885362	0	0.996036	0.997717	0.376742	0	0.594486	0	0	4.395363	0	1.33272	0.51804	1.092528	0.635381	NaN	Low	1.095983	1.569458
26 CAGCACACTGTG	36.25395	12.07554	37.13284	27.24239	0	2.569832	28.07157	5.930882	14.0949	9.738987	3.246643	2.988108	13.3029	2.260449	1.478038	4.1614	0	5.291402	0	1.599811	10.37198	-2.60905	1.006656	0.009548	0.041655	OK	17.82269	2.921273
26 CAGCACACTGTG	22.7882	15.09442	23.76502	20.75611	3.479177	5.139665	12.47625	2.372353	15.26947	5.312175	5.411071	0	6.984021	6.404607	1.478038	3.566914	0	6.614253	1.098841	2.399716	8.020515	-1.79196	0.919492	0.051313	NaN	Low	12.44667	3.594356
26 CAGCACACTGTG	1.035827	0	0	5.189028	0	0	3.119063	1.186176	0	0.885362	2.164428	0	1.662862	1.506966	0	0.594486	1.191446	0	0	0	0.926782	-2.07295	1.180191	0.079011	NaN	Low	1.49762	0.355944
26 CAGCACACTGTG	2.071654	1.509442	1.485314	0	0	0	5.198438	0	0	0.885362	2.164428	0	0.332572	0	0	1.188971	0	0	0	0	0.741809	-1.60212	1.193335	0.179416	NaN	Low	1.116012	0.367607
26 GGTGCAGTGCTG	0	3.018884	4.455941	2.594514	0	2.569832	0	1.186176	0	0.885362	0	0	1.662862	0.753483	1.970718	1.188971	1.191446	3.968552	1.098841	1.999764	1.427267	0.226926	0.916616	0.804468	NaN	Low	1.315248	1.539286
26 GGTGCAGTGCTG	0	1.509442	0	2.594514	6.958353	0	2.079375	1.186176	4.6983	0.885362	1.082214	0	0.665145	0.376742	0.492679	0	0	1.322851	1.098841	1.999764	1.347488	0.447107	0.988001	0.650882	NaN	Low	1.140342	1.554633
26 TACCCCCTAGAAC	1.035827	7.547211	4.455941	7.783541	0	0	2.079375	5.930882	24.66607	4.426812	60.604	0	9.977173	0.753483	0.492679	0	0	2.645701	6.593045	12.79849	7.589511	0.273433	1.112439	0.80584	NaN	Low	6.872439	8.306584
26 TACCCTGTAGAAC	1.035827	3.018884	2.970628	2.594514	0	0	2.079375	0	5.872875	0.885362	17.31543	0	1.995435	0	0	0.594486	0	0	4.395363	1.199858	2.197902	0.224643	1.131455	0.84262	NaN	Low	2.027129	2.368675
26 TACCCTGTAGAAC	22.7882	33.20773	44.55941	33.72868	0	0	22.87313	14.23412	119.8066	33.64377	351.7196	2.988108	64.51905	3.767416	0	4.755886	5.95723	14.55136	89.00611	76.39097	46.92487	0.678265	1.088946	NaN	NaN	Outlier	36.09307	57.75667
26 TACCCTGTAGAAC	1.035827	4.528326	0	2.594514	0	0	1.039688	3.558529	25.84065	0.885362	24.89093	0	3.325724	0.376742	0.492679	0.594486	1.191446	0	10.98841	9.198913	4.527111	0.966796	1.102414	0.380497	NaN	Low	3.064559	5.989663
26 TACCCTGTAGAAC	51.79136	167.5481	129.2223	76.53816	0	17.98883	93.57189	46.26088	199.6777	246.1308	1278.095	6.972252	218.1675	10.17202	3.941436	21.99597	66.72098	38.36267	197.7913	489.1422	168.0046	0.914174	1.046082	NaN	NaN	Outlier	116.4882	219.5209
26 TACCCTGTAGAAC	246.5269	1708.688	705.524	660.3038	34.79177	238.9944	647.7254	588.3435	2392.609	1410.382	11870.81	95.61945	2071.594	120.1806	38.92168	222.9321	931.7108	429.9264	2147.135	3227.619	1489.517	0.76177	1.017598	NaN	NaN	Outlier	1105.159	1873.874
26 TACCCTGTAGAAC	5863.818	33787.35	9777.821	16325.98	247.0215	3250.838	14724.06	8555.89	79566.88	12628.81	293566.8	1031.893	45606.66	2888.478	900.618	1740.654	6454.063	13553.93	68322.63	93982.89	35638.86	1.041845	1.071635	NaN	NaN	Outlier	23302.06	47975.65
26 TACCCTGTAGAAC	10.35827	64.90601	11.88251	47.99851	0	17.98883	23.91282	28.46823	109.2355	38.95595	249.9915	2.988108	84.14083	9.041798	0.985359	3.566914	30.9776	15.87421	118.6748	242.3714	55.61595	1.691264	0.984992	0.085973	0.193097	OK	26.29972	84.93219
26 TACCCTGTAGAAC	185.4131	787.9288	182.6936	378.799	10.43753	236.4246	398.2004	319.0814	2968.151	371.8522	3829.956	73.70666	1338.937	102.097	34.98024	90.95632	386.0285	410.0837	1690.017	4104.315	895.0029	1.683445	0.989311	0.088824	0.197699	OK	424.9837	1365.022
26 TACCCTGTAGAAC	110.8335	1251.328	84.66289	560.415	6.958353	74.52514	646.6857	325.0123	4517.415	184.1554	13094.79	13.9445	3486.024	98.70629	21.18522	49.9368	113.1874	629.6769	4268.997	4032.723	1678.558	1.087978	1.124704	NaN	NaN	Outlier	1074.016	2283.1
26 TACCCTGTAGAAC	0	0	1.485314	0	0	0	0	0	2.34915	0	11.90436	0	0.332572	0	0	0.594486	0	0	2.197682	4.39948	1.163152	0.98529	1.192594	0.408705	NaN	Low	0.780715	1.545589
26 TATGGCACTGGT	11.3941	3.018884	2.970628	3.891771	3.479177	0	2.079375	14.23412	3.523725	6.197537	1.082214	4.98018	5.653732	1.883708	1.970718	10.10626	9.531568	9.259954	1.098841	19.19773	5.777711	0.869997	0.771181	0.259262	NaN	Low	4.086568	7.468853
26 TATGGCACTGGT	49.7197	24.15107	46.04473	24.64788	100.8961	7.709497	4.158751	61.68117	24.66607	47.80957	19.47986	30.87711	24.94293	20.34405	24.63397	30.31877	22.63747	35.71697	48.349	156.7815	40.27831	1.534901	0.617371	0.012912	0.050321	OK	20.6678	59.88881
26 TATGGCACTGGT	298.3182	249.058	494.6095	197.183	949.8152	110.5028	88.37345	474.4705	579.0654	226.6528	168.8254	158.3697	163.2931	204.1939	131.0527	305.5657	399.1344	556.9201	565.903	1541.818	393.1562	1.597377	0.632975	0.011616	0.046282	OK	195.3121	591.0004
26 TATGGCACTGGT	54.89884	40.75494	65.35381	41.51222	205.2714	20.55866	34.30969	104.3835	84.56939	38.07059	29.21978	53.78594	36.58297	38.42764	40.8924	42.20849	77.44399	68.78823	150.5412	323.9617	77.57677	1.902746	0.55172	0.000563	0.005339	OK	32.73805	122.4155
26 TATGGCACTGGT	0	0	0	0	0	7.709497	1.039688	0	2.34915	0	2.164428	0	0.332572	1.883708	0	0	1.191446	1.322851	2.197682	5.199386	1.26952	1.547611	1.088692	0.155162	NaN	Low	0.647165	1.891876
26 TATGGCACTGGT	0	1.509442	0	0	0	0	1.039688	0	0	1.770725	1.082214	0.996036	0	7.534831	0.492679	0	7.148676	1.322851	13.18609	21.59745	2.884034	2.75473	1.090454	0.01153	NaN	Low	0.744338	5.02373
26 TATGGCACTGGT	0	4.528326	0	1.297257	3.479177	5.139665	8.317501	0	2.34915	3.54145	7.5755	2.988108	2.328007	20.72079	0.985359	1.783457	21.44603	14.55136	5.494204	36.3957	7.146052	1.542925	0.962085	0.108773	NaN	Low	3.651676	10.64043
26 TATGGCACTGGT	0	0	0	0	10.43753	7.709497	6.238126	1.186176	0	6.197537	6.493285	0.996036	0.997717	10.54876	0	1.188971	21.44603	2.645701	2.197682	25.19702	5.174004	1.279167	1.086231	0.238948	NaN	Low	3.019563	7.328444
26 TATGGCACTGGT	0	3.018884	1.485314	0	0	5.139665	0	0	1.174575	5.312175	0	0	0	0.376742	0.492679	0	5.95723	2.645701	8.790727	4.799433	1.959656	1.686298	1.103838	0.126595	NaN	Low	0.929122	2.990191
26 TATGGCACTGGT	0	0	0	0	0	0	0	0	1.174575	0.885362	1.082214	0	0.332572	0	0	0	0	2.645701	0	2.799669	0.446005	1.235669	1.193164	0.300378	NaN	Low	0.265882	0.626127
26 TATGGCACTGGT	0	0	0	0	0	0	5.198438	0	1.174575	1.770725	7.5755	0.996036	0.665145	1.506966	0	0	1.191446	1.322851	2.197682	3.999527	1.379945	0.989663	1.084182	0.361337	NaN	Low	0.924363	1.835527
26 TATGGCACTGGT	0	0	0	0	0	0	1.039688	0	0	0	1.082214	0	0.332572	0.753483	0	0	2.382892	5.291402	0	3.199622	0.704094	0.873877	1.18995	0.462717	NaN	Low	0.497139	0.911048
26 TATGGCACTGGT	2.071654	0	5.941255	0	6.958353	0	0	1.186176	9.396599	0.885362	0	0	0	0	0	0.594486	0	0	3.296522	2.399716	1.636506	0.605964	1.184883	0.609062	NaN	Low	1.297787	1.975225
26 TATGGCACTGGT	5.179136	3.018884	0	0	6.958353	0	1.039688	4.744705	4.6983	0	1.082214	0	1.662862	0.376742	0.492679	0	0	0	2.197682	3.599575	1.752541	0.73594	1.06262	0.488578	NaN	Low	1.31499	2.190092
26 TATGGCACTGGT	26.93151	36.22661	59.41255	18.1616	80.02106	2.569832	6.238126	43.88853	62.25247	8.853625	5.411071	3.984144	7.649166	9.418539	4.434115	11.88971	11.91446	13.22851	14.28493	35.19584	23.09832	0.128607	0.840397	0.878373	0.922355	OK	22.06946	24.12718
26 TATGGCACTGGT	23.82402	24.15107	34.16222	23.35062	93.93777	10.27933	11.43656	41.51617	71.64907	13.28044	5.411071	2.988108	4.988587	7.534831	5.419474	13.07869	8.340122	21.16561	10.98841	34.79589	23.1149	0.031296	0.817711	0.96947	0.977401	OK	22.8642	23.36561
26 TATGGCACTGGT	2.071654	4.528326	4.455941	2.594514	24.35424	2.569832	1.039688	15.42029	3.523725	0	0	1.992072	1.662862	2.260449	0.985359	2.972429	1.191446	0	0	7.199149	3.941099	0.072314	1.006174	0.942705	NaN	Low	3.842347	4.03985
26 TATGGCATTGGT	38.3256	10.56609	37.13284	18.1616	66.10436	15.41899	1.039688	28.46823	31.71352	5.312175	3.246643	4.98018	3.990869	4.520899	2.956077	14.86214	9.531568	2.645701	4.395363	15.99811	15.96853	-0.52739	0.883443	0.550527	0.677678	OK	18.85517	13.08189
26 TATGGCATTGGT	14.50158	16.60386	47.53004	10.37806	59.146	12.84916	1.039688	22.53735	34.06267	7.0829	1.082214	3.984144	1.995435	4.520899	2.463397	2.972429	2.382892	0	6.593045	11.99858	13.18622	-0.38594	0.972531	0.691486	0.79292	OK	14.93951	11.43292
26 TATGGCATTGGT	4.143309	7.547211	7.426569	2.594514	24.35424	0	0	9.489411	1.174575	0	0	0.996036	0.665145	1.130225	0.492679	0	2.382892	1.322851	3.296522	1.999764	3.450797	-0.19488	1.073688	0.855975	NaN	Low	3.683505	3.218089
26 TATGGTACTGGT	2.071654	0	1.485314	1.297257	3.479177	0	0	9.489411	0	0	0	1.992072	0	0	0.492679	0.594486	0	0	0	1.999764	1.145091	-0.00929	1.184834	0.993742	NaN	Low	1.148779	1.141403
26 TGCACCATGGTT	0	0	0	1.297257	0	0	0	0	0	0	0	1.992072	0	0.376742	0	1.188971	0	17.19706	15.38377	0	1.871794	1.275235	1.167752	0.274815	NaN	Low	1.094494	2.649093
26 TGCACCATGGTT	0	0	0	2.594514	3.479177	0	0	0	0	0	0	2.988108	0	2.637191	0	4.1614	0	17.19706	21.97682	0	2.751713	1.366005	1.187564	0.250037	NaN	Low	1.538319	3.965108
26 TGCACCATGGTT	0	0	0	0	0	0	0	0	1.174575	0	0	2.988108	0	1.130225	0	1.188971	0	15.87421	17.58145	0	1.996877	1.401585	1.17405	0.232555	NaN	Low	1.096608	2.897146
26 TGCACCATGGTT	0	0	0	2.594514	3.479177	0	0	1.186176	0	0	0	4.98018	0	4.89764	0	7.133829	0	51.59117	47.25016	0	6.155642	1.268675	1.18193	NaN	NaN	Low	3.610981	8.700304
26 TGCACCATGGTT	0	0	0	0	0	0	0	0	0	0	0	5.976216	0	2.260449	0	4.755886	0	23.81131	37.36059	0	3.708222	1.423649	1.131498	0.20832	NaN	Low	2.013898	5.402546
27_ACCCTGTAGAAC	2.071654	3.018884	13.36782	0	0	0	3.119063	2.372353	9.396599	4.426812	42.20635	0	9.644601	0.376742	0	0	0	3.968552	6.593045	3.999527	5.228101	0.000401	1.13969	0.999719	NaN	Low	5.227375	5.228827
27 ACCCTGTAGAAC	272.4225	1684.537	300.0334	719.9776	34.79177	238.9944	683.0748	531.407	4072.251	544.4979	16913.93	51.79387	2461.369	125.0782	48.28259	137.3262	494.4501	792.3875	3203.121	4198.704	1875.421	0.846143	1.069095	NaN	NaN	Outlier	1340.694	2410.149
27 ACCCTGTAGAAC	135.6934	567.5502	172.2964	250.3706	10.43753	128.4916	301.5094	251.4694	1469.393	293.9403	4158.949	42.82955	1010.023	69.69719	21.6779	58.85409	253.778	284.4129	948.2996	2210.539	632.0106	1.239798	1.01042	NaN	NaN	Outlier	376.0116	888.0096
27_ACCCTGTAGAAC	24.85985	147.9253	34.16222	64.86284	0	20.55866	72.77814	67.61205	442.8147	67.28755	1334.37	10.9564	386.4492	27.50213	5.419474	4.1614	65.52953	101.8595	450.5247	587.9305	195.8782	1.269004	1.066475	NaN	NaN	Outlier	114.8862	276.8702
27 ACCCTGTAGAAC	161.589	1337.366	184.1789	575.9821	20.87506	118.2123	529.201	398.5553	3607.12	277.1185	17438.8	30.87711	2687.185	118.6736	41.87775	55.28717	133.442	670.6852	3844.844	3919.137	1807.55	0.918097	1.109476	NaN	NaN	Outlier	1251.064	2364.037
27 ACCCTGTAGAAC	0	0	0	1.297257	0	0	0	0	1.174575	0	12.98657	0	2.993152	0	0	0	0	3.968552	14.28493	7.999055	2.235205	1.829617	1.19341	0.125251	NaN	Low	0.981552	3.488857
27 AGCCCCTGCCCAC	0	0	1.485314	0	0	0	0	2.372353	1.174575	0	0	0.996036	0	0	0.985359	0.594486	7.148676	2.645701	1.098841	1.199858	0.98506	0.178298	1.150561	0.876848	NaN	Low	0.924267	1.045853
27 AGCCCCTGCCCAC	0	0	0	0	0	0	0	1.186176	0	0	0	0	0	0.376742	2.463397	1.188971	3.574338	1.322851	0	0	0.505624	-1.2504	1.185314	0.291466	NaN	Low	0.71198	0.299267
27 AGCCCCTGCCCAC	0	1.509442	0	0	0	0	0	0	0	0	0	0.996036	0.332572	0.376742	5.912153	2.972429	3.574338	1.322851	1.098841	2.399716	1.024756	0.531246	1.136219	0.640102	NaN	Low	0.838185	1.211327
27 AGGATGAGCAAA	0	0	0	0	0	0	2.079375	0	0	0	2.164428	1.992072	0	1.883708	1.478038	1.188971	0	0	0	0	0.53933	-1.38438	1.190978	0.245078	NaN	Low	0.779911	0.298749
27 ATGGCACTGGTA	20.71654	12.07554	22.27971	2.594514	13.91671	7.709497	6.238126	9.489411	8.222024	7.0829	7.5755	4.98018	6.318876	5.651124	9.36091	8.3228	4.765784	10.5828	18.68029	53.59367	12.00785	1.924841	0.523714	0.000238	0.002821	OK	5.006451	19.00924
27 ATGGCACTGGTA	124.2993	83.01932	228.7383	46.70125	170.4797	28.26816	41.58751	111.5006	149.171	100.046	74.67278	30.87711	56.86989	66.68326	37.44364	98.68463	113.1874	149.4821	197.7913	683.5192	129.6511	2.075847	0.597486	0.000512	0.005143	OK	49.71362	209.5886
27_ATGGCACTGGTA	211.3087	197.7369	417.3732	131.0229	476.6472	23.12849	68.61939	283.4962	342.9759	133.6897	166.661	47.80972	78.81967	123.1945	71.9312	260.3848	173.9511	433.895	409.8676	1366.639	270.9576	1.942096	0.703005	0.005735	0.028415	OK	111.905	430.0101
27 ATGGCACTGGTA	38.3256	4.528326	31.19159	3.891771	41.75012	0	5.198438	18.97882	34.06267	6.197537	11.90436	4.98018	7.649166	19.21382	20.69254	20.21251	17.87169	38.36267	18.68029	137.1838	24.04379	1.887061	0.778048	0.015292	0.056262	OK	10.23399	37.8536
27 ATGGCACTGGTA	74.57956	89.05709	114.3692	54.48479	146.1254	30.83799	35.34938	144.7135	79.87109	62.86074	70.34392	56.77405	67.51221	59.14843	47.78991	92.73977	42.89206	111.1194	174.7157	377.9553	96.66198	1.792618	0.457542	8.93E-05	0.001401	OK	43.30316	150.0208
27_ATGGCACTGGTA	2.071654	0	1.485314	2.594514	17.39588	0	0	2.372353	2.34915	0.885362	2.164428	0.996036	2.993152	0.753483	2.463397	0.594486	1.191446	0	2.197682	10.39877	2.645356	1.552025	0.865211	0.072844	NaN	Low	1.345455	3.945256
27 ATGGCACTGGTA	3.107481	7.547211	20.79439	6.486284	10.43753	0	4.158751	8.303235	7.04745	3.54145	0	1.992072	3.658297	3.390674	0.492679	2.377943	1.191446	2.645701	3.296522	15.59816	5.303364	0.930728	0.830397	0.262363	NaN	Low	3.649642	6.957085
27 ATGGCACTGGTA	17.60906	18.11331	37.13284	7.783541	55.66683	0	10.39688	30.84059	39.93555	2.656087	4.328857	0.996036	3.658297	2.637191	1.970718	9.511772	4.765784	3.968552	13.18609	32.79612	14.8977	0.628895	0.923443	0.495851	0.63085	OK	11.70108	18.09433
27_ATGGCACTGGTA	2.071654	1.509442	2.970628	0	0	0	1.039688	0	5.872875	0	1.082214	0	0.997717	0.376742	0.492679	0.594486	1.191446	1.322851	0	0.399953	0.996119	-1.26527	1.11907	0.258207	NaN	Low	1.406925	0.585313
27 ATGGCACTGGTA	8.286617	10.56609	8.911883	5.189028	13.91671	0	2.079375	8.303235	11.74575	1.770725	1.082214	2.988108	1.33029	1.130225	2.463397	4.755886	2.382892	1.322851	2.197682	2.799669	4.661131	-0.72506	0.828339	0.381401	NaN	Low	5.808366	3.513897
27 ATGGCATTGGTA	15.53741	10.56609	17.82377	1.297257	6.958353	0	0	1.186176	4.6983	2.656087	2.164428	2.988108	0	3.013933	0	2.377943	3.574338	1.322851	3.296522	8.79896	4.413026	0.450671	1.00931	0.655226	NaN	Low	3.729303	5.096749
27 ATGGTACTGGTA	21.75237	7.547211	17.82377	9.080798	27.83341	0	2.079375	11.86176	14.0949	3.54145	1.082214	1.992072	2.328007	1.883708	0.492679	7.133829	2.382892	2.645701	4.395363	9.598866	7.477519	-0.0121	0.898945	0.989264	NaN	Low	7.508865	7.446173
27 ATGGTACTGGTA	5.179136	3.018884	8.911883	2.594514	6.958353	0	0	10.67559	11.74575	1.770725	0	1.992072	0.997717	0.753483	1.478038	1.188971	1.191446	0	4.395363	1.999764	3.242584	-0.00195	0.964061	0.998386	NaN	Low	3.244776	3.240393
27 TACCTGTAGAACC	8.286617	39.2455	1.485314	20.75611	0	0	16.635	5.930882	93.96599	13.28044	209.9496	0	20.61949	0.376742	0	0	2.382892	5.291402	37.36059	23.19726	24.93819	0.193019	1.163004	NaN	NaN	Outlier	23.27242	26.60395
27_TACCTGTAGAACC	0	0	0	0	0	0	2.079375	1.186176	14.0949	0	20.56207	0	2.328007	0	0	0	1.191446	0	4.395363	1.599811	2.371857	0.170831	1.191677	0.886011	NaN	Low	2.231594	2.512121
27 TGACCTATGAATT	0	0	0	0	0	0	2.079375	3.558529	0	0.885362	2.164428	8.964323	1.662862	0.376742	0.985359	3.566914	1.191446	1.322851	2.197682	0.799905	1.487789	-0.13829	1.034392	0.893649	NaN	Low	1.559039	1.416539
28 AGGAAGCCCTGG	0	0	1.485314	0	0	2.569832	3.119063	0	1.174575	0.885362	1.082214	0	0	1.506966	2.463397	1.783457	2.382892	2.645701	2.197682	0.799905	1.204818	0.158882	0.987221	0.872142	NaN	Low	1.138543	1.271094
28_ATGCACTGGTAG	1.035827	0	7.426569	0	0	0	0	0	0	1.770725	0	0	0	0	0	0.594486	0	1.322851	0	1.599811	0.687513	0.173434	1.181998	0.883345	NaN	Low	0.646238	0.728789
28 TACTGTAGAACCG	0	0	0	0	0	0	0	0	2.34915	0	1.082214	0	1.662862	0	0	0.594486	0	1.322851	0	0.799905	0.390573	0.055381	1.191048	0.962914	NaN	Low	0.383078	0.398069
29 AAAAGCTGGGTT	2.071654	0	0	0	0	2.569832	0	2.372353	0	0	1.082214	1.992072	0.997717	0.753483	0	0	0	0	2.197682	1.999764	0.801839	1.258414	1.076033	0.242205	NaN	Low	0.472737	1.13094
29_AAAAGCTGGGTT	0	0	0	1.297257	0	0	0	4.744705	0	0	0	0.996036	0	1.506966	0	1.783457	0	2.645701	4.395363	3.999527	1.068451	1.708291	1.143375	0.135155	NaN	Low	0.500711	1.63619
29 CCTGTAGAACCGA	9.322444	27.16996	10.3972	29.83691	0	7.709497	10.39688	2.372353	57.55417	7.0829	114.7147	0	21.28464	0.376742	0	0	2.382892	5.291402	36.26175	16.39806	17.92762	0.433471	1.112444	0.696791	0.79518	OK	15.25445	20.6008
29 CCTGTAGAACCGA	1.035827	6.037769	0	0	0	0	0	0	4.6983	0.885362	19.47986	0	3.658297	0	0	0.594486	1.191446	1.322851	8.790727	3.599575	2.564725	0.96994	1.158205	0.402339	NaN	Low	1.733649	3.3958
29 CCTGTAGAACCGA	0	1.509442	0	0	0	5.139665	1.039688	0	7.04745	0.885362	4.328857	0	0.665145	0.376742	0	0	0	0	2.197682	2.399716	1.279487	0.719284	1.142015	0.528801	NaN	Low	0.966978	1.591997
29_CCTGTAGAACCGA	1.035827	4.528326	1.485314	3.891771	0	0	1.039688	2.372353	5.872875	0	25.97314	0	2.328007	0	0	0	0	0	6.593045	2.799669	2.896001	0.481577	1.168938	0.680355	NaN	Low	2.417091	3.37491
29 TGAGACCTCTGG	9.322444	18.11331	20.79439	16.86434	10.43753	7.709497	41.58751	55.75029	17.61862	5.312175	27.05536	7.968287	10.97489	7.911573	6.404833	31.50774	27.40326	34.39411	49.44784	39.19537	22.28867	1.06364	0.648949	0.101209	0.21694	OK	14.4254	30.15194
29_TGAGACCTCTGG	16.57323	34.71717	75.751	19.45885	17.39588	23.12849	37.42876	75.91529	19.96777	15.93652	63.85064	5.976216	26.93837	15.4464	10.83895	73.71623	28.59471	55.55972	76.91886	68.79187	38.14525	0.997961	0.655176	0.12771	0.248858	OK	25.45414	50.83636
29_TGAGACCTCTGG	0	0	0	0	0	2.569832	0	0	0	0	1.082214	0	0.332572	0	0	0	0	0	0	1.999764	0.299219	1.1912	1.153763	0.301862	NaN	Low	0.18226	0.416178
3 ACCTTCTTGTATAA	9.322444	7.547211	11.88251	23.35062	0	5.139665	12.47625	0	2.34915	8.853625	1.082214	1.992072	1.995435	1.506966	0	0.594486	0	0	2.197682	0	4.514517	-1.43732	1.109949	0.195342	NaN	Low	6.594127	2.434907
3_ACCTTCTTGTATAA	9.322444	4.528326	11.88251	9.080798	3.479177	0	7.277814	3.558529	0	3.54145	1.082214	0.996036	0.332572	0.376742	0	0.594486	1.191446	1.322851	0	0	2.92837	-2.75214	1.144906	0.016225	NaN	Low	5.099779	0.756961
3_ACCTTCTTGTATAA	10.35827	3.018884	2.970628	2.594514	6.958353	2.569832	5.198438	0	1.174575	5.312175	1.082214	0.996036	1.33029	0.753483	0	1.188971	0	0	2.197682	0	2.385217	-0.98297	1.050459	0.349399	NaN	Low	3.167753	1.602681
3 ACCTTCTTGTATAA	10.35827	30.18884	14.85314	19.45885	31.31259	12.84916	16.635	9.489411	4.6983	11.50971	3.246643	0	4.323442	2.260449	0.985359	1.188971	0	1.322851	0	0	8.73405	-3.66647	1.089413	0.000764	NaN	Low	16.19282	1.275277
3_ACCTTCTTGTATAA	1.035827	4.528326	2.970628	2.594514	10.43753	2.569832	1.039688	2.372353	1.174575	5.312175	2.164428	0	0.997717	0	0.492679	0.594486	4.765784	0	1.098841	0	2.207469	-1.59073	1.065369	0.135405	NaN	Low	3.314507	1.100431
3_ACCTTCTTGTATAA	1.035827	3.018884	0	3.891771	0	2.569832	5.198438	2.372353	0	1.770725	5.411071	0.996036	0.665145	0.376742	0.492679	0	1.191446	1.322851	0	0	1.51569	-2.48562	1.158439	0.0319	NaN	Low	2.572132	0.459248
3 ACCTTCTTGTATAA	0	0	0	0	3.479177	10.27933	3.119063	5.930882	0	4.426812	2.164428	1.992072	0.332572	1.883708	0	0	4.765784	0	0	0	1.918691	-2.14014	1.178628	0.069403	NaN	Low	3.127813	0.70957
3 ACCTTCTTGTATAA	0	0	0	0	0	0	1.039688	1.186176	0	0.885362	5.411071	0	1.33029	0	0	0	1.191446	0	0	0	0.552202	-1.21228	1.182872	0.305427	NaN	Low	0.771455	0.332948
3_ACCTTCTTGTATAA	1.035827	1.509442	1.485314	0	20.87506	7.709497	1.039688	2.372353	1.174575	8.853625	3.246643	0.996036	1.995435	1.130225	2.956077	1.783457	3.574338	3.968552	0	0.799905	3.325302	-1.92655	0.997286	0.053386	NaN	Low	5.265478	1.385127
3 ACCTTCTTGTATAA	10.35827	3.018884	1.485314	6.486284	135.6879	226.1453	37.42876	34.39911	32.8881	35.4145	63.85064	4.98018	57.53503	42.94854	22.66326	5.350372	29.78615	44.97692	0	14.79825	40.51009	-1.923	0.972498	0.047998	0.129307	OK	64.11318	16.90699
3 ACCTTCTTGTATAA	1.035827	0	0	0	13.91671	7.709497	5.198438	5.930882	3.523725	3.54145	1.082214	0	3.325724	1.506966	0	1.783457	0	1.322851	0	0.399953	2.513885	-1.9545	1.115542	0.079764	NaN	Low	3.996602	1.031167
3_ACCTTCTTGTATAA	0	0	0	0	3.479177	30.83799	2.079375	3.558529	2.34915	0	1.082214	0	0.997717	0	0	0	0	0	0	0	2.219208	-1.2462	1.184331	0.292688	NaN	Low	3.122224	1.316192
3 ACTGATTTCTTTTG	1.035827	0	0	0	0	0	0	0	0	3.54145	1.082214	2.988108	0	0.753483	2.463397	0	0	0	0	0.799905	0.633219	-0.33061	1.192569	0.781607	NaN	Low	0.705458	0.56098
3 ATCTTCTTGTATAA	1.035827	1.509442	0	0	20.87506	17.98883	3.119063	3.558529	3.523725	5.312175	2.164428	0.996036	1.662862	1.506966	0.985359	0	0	0	0	0.799905	3.25191	-1.68082	1.111507	0.130484	NaN	Low	4.957537	1.546284
3_ATGGTTGACCATAG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.790727	0	0.439536	3.067856	1.706877	0.07228	NaN	Low	0.093665	0.785407
3 CTGAGGTAGTAGA	0	3.018884	0	1.297257	0	0	0	0	0	0	2.164428	0	0.332572	2.260449	0.985359	1.783457	1.191446	0	1.098841	1.599811	0.786625	0.586473	1.071071	0.583996	NaN	Low	0.628905	0.944346
3 CTGAGGTAGTAGA	5.179136	4.528326	8.911883	1.297257	3.479177	2.569832	7.277814	3.558529	4.6983	5.312175	10.82214	8.964323	4.988587	5.651124	4.926795	9.511772	9.531568	11.90566	7.691886	5.999291	6.340279	0.055631	0.512361	0.913537	NaN	Low	6.218051	6.462506
3_CTGAGGTAGTAGG	0	1.509442	0	1.297257	0	0	0	0	1.174575	0.885362	1.082214	0	0.332572	1.130225	2.463397	1.188971	1.191446	0	1.098841	0.399953	0.687713	-0.17187	1.063413	0.871601	NaN	Low	0.72863	0.646796
3 CTGAGGTAGTAGG	0	7.547211	1.485314	1.297257	0	2.569832	6.238126	5.930882	8.222024	1.770725	2.164428	4.98018	5.653732	9.795281	14.78038	5.944857	22.63747	6.614253	10.98841	7.199149	6.290976	0.465174	0.788392	0.555171	NaN	Low	5.285459	7.296493
3 GATCCGAGTCACG	2.071654	9.056653	41.58879	25.94514	3.479177	2.569832	15.59531	5.930882	15.26947	4.426812	2.164428	8.964323	1.995435	1.130225	0.985359	2.377943	1.191446	2.645701	2.197682	0	7.479313	-2.20579	1.0143	0.029653	NaN	Low	12.29375	2.664872
3_GATCCGAGTCACG	4.143309	6.037769	17.82377	22.05337	13.91671	0	1.039688	2.372353	27.01522	0	1.082214	2.988108	1.662862	0	11.33163	1.188971	0	2.645701	1.098841	0	5.820025	-2.11808	1.116551	0.05783	NaN	Low	9.46074	2.17931
3 GCTTCTGTAGTGTA	1.035827	1.509442	5.941255	6.486284	0	5.139665	0	0	0	0	0	0.996036	0	0	0	0	0	0	0	0	1.055425	-1.14797	1.177579	0.32963	NaN	Low	1.454497	0.656354
3 GCTTCTGTAGTGTA	1.035827	1.509442	8.911883	32.43142	0	7.709497	1.039688	0	4.6983	0.885362	0	0	0	1.506966	0	1.783457	0	2.645701	0	0	3.207877	-2.05248	1.18328	0.082818	NaN	Low	5.169535	1.24622
3_TCCTGTACTGAGCT	53.86301	1.509442	1.485314	24.64788	3.479177	7.709497	5.198438	15.42029	2.34915	0	0	6.972252	4.656014	1.506966	2.956077	7.728315	2.382892	18.51991	17.58145	9.998818	9.398245	0.489892	0.985881	0.619254	NaN	Low	7.817735	10.97875
3 TCCTGTACTGAGCT	444.3699	31.69828	44.55941	250.3706	17.39588	66.81564	156.9928	177.9265	22.31692	22.13406	16.23321	35.85729	86.46884	29.0091	53.20938	108.1964	38.12627	216.9475	239.5473	247.5707	115.2873	1.0929	0.837942	0.192143	0.328086	OK	73.59492	156.9797
3 TGAGGTAGTAGGT	1.035827	0	10.3972	2.594514	3.479177	0	3.119063	0	9.396599	0.885362	0	0.996036	1.662862	0.376742	0	0.594486	0	0	1.098841	0	1.781835	-1.1307	1.152461	0.326534	NaN	Low	2.44641	1.117261
3_TGAGGTAGTAGGT	2.071654	1.509442	5.941255	1.297257	0	0	3.119063	3.558529	15.26947	0.885362	0	0.996036	0.665145	1.130225	0.985359	0.594486	2.382892	0	1.098841	0	2.075251	-1.55662	1.087557	0.152344	NaN	Low	3.097513	1.052989
3 TGAGGTAGTAGGT	2.071654	3.018884	8.911883	3.891771	0	2.569832	4.158751	3.558529	2.34915	4.426812	0	2.988108	0.665145	1.883708	1.478038	2.377943	4.765784	0	1.098841	2.799669	2.650725	-0.27767	0.801817	0.729113	NaN	Low	2.905032	2.396419
3 TGAGGTAGTAGGT	24.85985	46.79271	51.98598	29.83691	17.39588	28.26816	36.38907	40.33	25.84065	32.75841	10.82214	30.87711	31.26181	45.96247	34.98024	34.48017	35.74338	21.16561	27.47102	37.59556	32.24086	0.01597	0.365721	0.965169	0.974224	OK	32.06241	32.41931
3_TGAGGTAGTAGGT	303.4974	593.2108	377.2697	399.5551	163.5213	303.2402	495.931	500.5664	530.9079	417.8911	304.1022	431.2836	393.7658	718.4462	532.0938	493.4232	604.0631	416.6979	568.1007	432.7489	449.0158	0.166165	0.347386	0.632415	0.74678	OK	423.1862	474.8454
3 TGAGGTAGTAGGT	38.3256	227.9258	68.32443	114.1586	83.50024	223.5754	160.1119	234.8629	152.6947	131.0336	272.718	470.129	317.6067	449.076	530.1231	187.8575	241.8635	186.5219	252.7334	127.185	223.5164	-0.24471	0.620686	0.693385	0.79313	OK	242.4278	204.6049
3 TGAGGTAGTAGGT	0	0	0	0	0	0	1.039688	0	0	0	1.082214	0	0	1.130225	0	0	5.95723	0	0	0.799905	0.500463	-0.09475	1.154534	0.934595	NaN	Low	0.516891	0.484035
3_TGAGGTAGTAGGT	0	0	0	0	0	0	3.119063	0	0	0	0	0	0	1.883708	0	0	7.148676	0	3.296522	1.999764	0.872387	0.891145	1.167402	0.445251	NaN	Low	0.611205	1.133569
3 TGAGGTAGTAGGT	0	0	0	0	0	2.569832	0	0	0	0.885362	1.082214	0	0	1.506966	0	0	13.10591	1.322851	2.197682	3.199622	1.293522	0.715288	1.192407	0.548593	NaN	Low	0.979269	1.607775
3 TTAATGCTAATCGT	3.107481	1.509442	4.455941	1.297257	0	0	1.039688	2.372353	1.174575	0	0	0	0.332572	0	9.36091	1.188971	0	1.322851	0	0.399953	1.3781	-1.47077	1.155153	0.202938	NaN	Low	2.025441	0.730758
3_TTAATGCTAATCGT	0	0	0	0	0	0	1.039688	0	1.174575	0.885362	0	0	0.997717	0	2.956077	0.594486	1.191446	0	0	0.399953	0.461965	-0.63064	1.18673	0.595134	NaN	Low	0.561356	0.362574
3 TTAATGCTAATCGT	0	0	4.455941	0	0	2.569832	0	2.372353	0	0	0	0.996036	0.665145	0.753483	3.448756	0.594486	0	0	0	0.799905	0.832797	-0.53166	1.161011	0.647005	NaN	Low	0.984533	0.68106
3 TTAATGCTAATCGT	1.035827	0	1.485314	1.297257	0	0	0	1.186176	1.174575	0	1.082214	0	0	0.376742	2.956077	0	0	0	0	0.399953	0.549707	-0.70243	1.182048	0.552348	NaN	Low	0.680946	0.418467
3_TTAATGCTAATCGT	1.035827	12.07554	7.426569	5.189028	13.91671	10.27933	7.277814	26.09588	8.222024	6.197537	5.411071	5.976216	2.66058	3.767416	26.11201	5.944857	9.531568	7.937103	2.197682	8.399007	8.782688	-0.61377	0.734057	0.403078	NaN	Low	10.62324	6.942136
3 TTAATGCTAATCGT	1.035827	0	0	0	0	0	2.079375	1.186176	1.174575	0.885362	0	2.988108	0	1.883708	7.390192	0.594486	0	2.645701	2.197682	0.799905	1.243055	0.046289	1.083591	0.965926	NaN	Low	1.223115	1.262995
3 TTAATGCTAATCGT	0	0	0	0	0	0	0	1.186176	2.34915	0.885362	0	0.996036	0.665145	0.376742	2.463397	0.594486	0	0	0	0.799905	0.51582	-0.20494	1.147505	0.858253	NaN	Low	0.552396	0.479244
30_AAAAGCTGGGTT	2.071654	0	0	0	3.479177	0	0	0	0	0	1.082214	0.996036	0	0.753483	0	0	0	0	1.098841	2.399716	0.594056	1.452494	1.167346	0.2134	NaN	Low	0.317948	0.870164
30 CCCAGTGTTCAGA	5.179136	1.509442	17.82377	11.67531	0	2.569832	0	5.930882	1.174575	3.54145	2.164428	3.984144	2.993152	4.144157	0.492679	1.783457	0	0	0	1.999764	3.348309	-1.2159	1.021407	0.233882	NaN	Low	4.6813	2.015318
30 CCCAGTGTTCAGA	10.35827	12.07554	46.04473	32.43142	0	17.98883	2.079375	4.744705	14.0949	11.50971	3.246643	11.95243	6.984021	11.67899	6.897512	1.188971	3.574338	6.614253	3.296522	9.198913	10.798	-0.68584	0.829382	0.40828	0.554163	OK	13.31734	8.278664
30_CCCAGTGTTCAGA	24.85985	15.09442	74.26569	44.10673	3.479177	23.12849	6.238126	11.86176	44.63385	29.21696	5.411071	17.92865	9.977173	17.33011	15.27306	10.10626	5.95723	17.19706	4.395363	9.598866	19.503	-1.36411	0.738846	0.064853	0.1575	OK	28.09271	10.91328
30 CCCAGTGTTCAGA	6.214963	6.037769	11.88251	10.37806	3.479177	10.27933	1.039688	5.930882	7.04745	15.05116	4.328857	5.976216	13.3029	9.795281	7.390192	6.539343	7.148676	5.291402	3.296522	8.79896	7.460467	-0.25	0.558906	0.654656	NaN	Low	8.105257	6.815676
30 CCCAGTGTTCAGA	4.143309	4.528326	4.455941	3.891771	0	12.84916	1.039688	2.372353	4.6983	0	1.082214	0	2.66058	1.883708	4.434115	2.972429	2.382892	3.968552	0	2.399716	2.988153	-0.86402	0.85598	0.312789	NaN	Low	3.857121	2.119185
30_CCCAGTGTTCAGA	9.322444	4.528326	5.941255	12.97257	24.35424	33.40782	4.158751	14.23412	9.396599	7.968262	0	6.972252	11.30746	27.50213	15.76574	5.944857	5.95723	10.5828	4.395363	8.79896	11.17556	-0.66981	0.717753	0.350716	0.496239	OK	13.72421	8.626906
30 CCCAGTGTTCAGA	6.214963	9.056653	16.33845	33.72868	20.87506	23.12849	4.158751	7.117058	21.14235	10.62435	3.246643	13.9445	6.318876	12.80921	10.34627	3.566914	15.4888	6.614253	12.08725	11.19868	12.40031	-0.04626	0.625613	0.941053	0.966283	OK	12.59911	12.20151
30 CCCAGTGTTCAGA	3.107481	0	10.3972	6.486284	3.479177	2.569832	1.039688	1.186176	3.523725	0.885362	1.082214	0	0.332572	0.376742	0	0	0	0	0	0.399953	1.74332	-1.5473	1.153213	0.179682	NaN	Low	2.597805	0.888835
30 CCTAGTGTTCAGA	3.107481	4.528326	4.455941	5.189028	0	2.569832	0	0	5.872875	0.885362	2.164428	0.996036	0	0.753483	0.985359	0	0	0	0	0	1.575408	-2.23365	1.173492	0.056986	NaN	Low	2.598353	0.552463
30 CCTAGTGTTCAGA	11.3941	1.509442	11.88251	19.45885	6.958353	10.27933	1.039688	1.186176	9.396599	1.770725	2.164428	0.996036	3.325724	2.637191	2.463397	1.783457	0	1.322851	1.098841	0.399953	4.553383	-2.06964	0.995859	0.037687	NaN	Low	7.35473	1.752036
30 CTCAGTGTTCAGA	4.143309	1.509442	5.941255	5.189028	0	2.569832	1.039688	0	4.6983	1.770725	1.082214	0.996036	0.665145	1.883708	0	0.594486	0	0	1.098841	0.399953	1.679098	-0.98689	1.037819	0.341642	NaN	Low	2.232005	1.126191
30 CTCAGTGTTCAGA	7.25079	1.509442	5.941255	7.783541	3.479177	2.569832	1.039688	1.186176	8.222024	0	0	1.992072	1.662862	1.883708	1.478038	0.594486	0	0	0	0.799905	2.36965	-1.61152	1.056903	0.127318	NaN	Low	3.57076	1.168539
30 CTGTAGAACCGA	4.143309	4.528326	2.970628	5.189028	0	0	7.277814	0	31.71352	1.770725	46.53521	0.996036	7.316594	0	0	0	0	0	18.68029	7.199149	6.916032	0.645262	1.170692	0.58151	NaN	Low	5.394671	8.437393
30 CTGTAGAACCGA	1.035827	1.509442	4.455941	0	0	0	0	0	1.174575	0	10.82214	0	1.662862	0	0	0	0	1.322851	5.494204	1.999764	1.47388	0.988031	1.176537	0.401032	NaN	Low	0.988029	1.959732
30 TCCAGTGTTCAGA	3.107481	1.509442	7.426569	3.891771	0	2.569832	0	0	3.523725	0	2.164428	0	0.332572	0.376742	0	0	0	0	0	0	1.245128	-1.79402	1.190675	0.131881	NaN	Low	1.932878	0.557379
30 TCCAGTGTTCAGA	6.214963	0	1.485314	10.37806	3.479177	17.98883	1.039688	1.186176	2.34915	0	0	0	1.995435	2.260449	0	0.594486	1.191446	1.322851	0	0	2.574301	-2.46653	1.161976	0.033779	NaN	Low	4.359801	0.788801
30 TGGAAGACTAGT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.999764	0.099988	1.411663	1.419114	0.319858	NaN	Low	0.054632	0.145345
30 TGGAAGACTAGT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.296522	2.399716	0.284812	3.534392	1.701475	0.037778	NaN	Low	0.045256	0.524368
30 TGGAAGACTAGT	2.071654	1.509442	0	2.594514	0	5.139665	3.119063	5.930882	2.34915	0.885362	3.246643	0	0.665145	0.753483	0.492679	5.350372	0	1.322851	80.21538	27.99669	7.182149	4.290834	0.772334	2.77E-08	NaN	Low	0.698192	13.66611
31 CACCGACTCTGTC	0	0	0	0	0	0	0	7.117058	0	0	0	0	0	10.54876	0.985359	0	0	0	1.098841	0	0.987501	-0.24525	1.073742	0.819334	NaN	Low	1.071233	0.903769
31 CACCGACTCTGTC	0	0	0	0	0	0	0	0	0	0	0	0	0	1.883708	0	0	0	0	0	0	0.094185	-0.13214	0.631591	0.834279	NaN	Low	0.098496	0.089875
31 TGGAAGACTAGT	0	0	0	1.297257	0	0	0	1.186176	0	0	0	0	0	0	0	0.594486	0	0	3.296522	4.799433	0.558694	3.042886	1.170801	0.00935	NaN	Low	0.120911	0.996476
31 TGGAAGACTAGT	2.071654	4.528326	0	9.080798	0	0	1.039688	2.372353	0	0.885362	0	0	0.665145	1.130225	3.941436	2.377943	0	1.322851	69.22697	28.7966	6.371967	4.18165	0.871893	1.62E-06	NaN	Low	0.665588	12.07835

31	TGGAAGACTAGT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.098841	2.399716	0.174928	2.836223	1.720373	0.099228	NaN	Low	0.042972	0.306884
32	GAAGACTAGTGA	0	0	1.485314	0	0	0	0	0	0	0.885362	0	0	0	0.376742	0	0.594486	0	0	7.691886	2.799669	0.691673	3.380063	1.114251	0.002417	NaN	Low	0.121227	1.262119
32	TTCCCTTTGTCAT	0	0	5.941255	0	0	2.569832	0	0	0	0	0	0	0	0.376742	0	12.4842	0	0	0	0	1.068601	-0.73208	1.107366	0.508546	NaN	Low	1.334056	0.803147
32	TTCCCTTTGTCAT	0	0	1.485314	0	0	0	0	0	3.523725	0	2.164428	0.996036	0	1.130225	0	36.26363	0	0	9.889567	3.199622	2.932627	0.660711	1.18912	NaN	NaN	Low	2.272595	3.592659
32	TTCCCTTTGTCAT	4.143309	16.60386	135.1636	2.594514	0	2.569832	1.039688	0	85.74397	2.656087	27.05536	0	1.995435	4.89764	0.985359	258.0068	0	11.90566	47.25016	44.39475	32.3503	0.351794	1.166168	NaN	NaN	Outlier	28.42549	36.27511
32	TTCCCTTTGTCAT	0	3.018884	23.76502	0	0	2.569832	2.079375	1.186176	12.92032	0	2.164428	0	0.665145	0.376742	0.492679	60.63754	0	6.614253	12.08725	10.39877	6.948821	0.495121	1.160011	NaN	NaN	Low	5.768	8.129642
32	TTCCCTTTGTCATT	0	0	7.426569	0	0	0	0	0	0	0	0	0	0	0	0	0.594486	0	0	0	0	0.401053	-0.36588	0.927624	0.693262	NaN	Low	0.451638	0.350468
33	AAGACTAGTGATT	0	0	1.485314	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.322851	5.494204	0.799905	0.455114	2.502876	1.190427	0.035509	NaN	Low	0.136504	0.773724
33	ATACTGCATCAGG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14.28493	1.599811	0.794237	4.854357	1.594855	0.002336	NaN	Low	0.053078	1.535396
33	ATACTGCATCAGG	1.035827	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13.18609	2.799669	0.851079	4.350811	1.530517	0.004473	NaN	Low	0.079524	1.622635
33	GAAGACTAGTGA	2.071654	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0.985359	0	0	0	6.593045	3.199622	0.661321	2.893773	1.175293	0.01381	NaN	Low	0.156858	1.165784
33	TCCTTCATTCCAC	0	1.509442	0	67.45736	0	17.98883	0	0	1.174575	0	0	0	0	0	0	0.594486	0	0	1.098841	0.799905	4.531172	-0.60501	1.142801	NaN	NaN	Low	5.467581	3.594762
33	TCCTTCATTCCAC	0	0	0	14.26983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.713491	-0.04686	0.396417	0.905911	NaN	Low	0.725077	0.701906
35	AACATTCATTGCT	1.035827	3.018884	1.485314	6.486284	3.479177	2.569832	2.079375	1.186176	7.04745	4.426812	2.164428	3.984144	2.993152	2.637191	0.985359	1.783457	2.382892	1.322851	8.790727	2.399716	3.112952	0.805518	0.66749	0.227514	NaN	Low	2.2658	3.960105
35	AACATTCATTGCT	1.035827	0	2.970628	6.486284	6.958353	2.569832	1.039688	1.186176	2.34915	2.656087	2.164428	2.988108	0.665145	0.376742	0.985359	1.188971	1.191446	0	3.296522	1.199858	2.06543	0.183324	0.847374	0.82872	NaN	Low	1.934379	2.196482
35	AACATTCATTGCT	1.035827	0	1.485314	2.594514	0	5.139665	1.039688	3.558529	8.222024	0.885362	3.246643	1.992072	3.325724	2.260449	1.970718	1.188971	0	2.645701	13.18609	3.199622	2.848846	1.590559	0.739077	0.03139	NaN	Low	1.420283	4.277408
35	AACATTCATTGCT	3.107481	3.018884	4.455941	6.486284	6.958353	2.569832	2.079375	4.744705	10.57117	6.197537	4.328857	2.988108	2.993152	3.390674	3.448756	1.783457	3.574338	5.291402	3.296522	3.599575	4.244221	-0.22235	0.600113	0.711002	NaN	Low	4.570634	3.917807
35	AACATTCATTGCT	11.3941	39.2455	38.61816	23.35062	34.79177	64.24581	29.11125	37.95764	70.4745	8.853625	27.05536	34.86126	24.61036	19.21382	16.25842	33.88569	16.68024	47.62262	116.4771	28.39664	36.15523	1.110746	0.563819	0.048834	0.130647	OK	22.88615	49.4243
35	AACATTCATTGCT	3.107481	18.11331	19.30908	6.486284	17.39588	5.139665	3.119063	8.303235	15.26947	6.197537	4.328857	0.996036	3.990869	8.288315	1.970718	8.917286	13.10591	5.291402	4.395363	5.199386	7.946257	-0.63817	0.712156	0.370198	NaN	Low	9.675634	6.21688
35	AACATTCATTGCT	9.322444	39.2455	26.73565	24.64788	41.75012	43.68715	16.635	47.44705	58.72875	13.28044	25.97314	20.91675	15.96348	18.46034	21.6779	21.99597	29.78615	68.78823	87.90727	25.19702	32.90731	0.856687	0.559319	0.125606	0.24671	OK	23.41428	42.40034
35	AACATTCATTGTT	0	1.509442	1.485314	1.297257	3.479177	0	1.039688	0	1.174575	0	0	0	0	0	0	0.594486	0	0	1.098841	6.399244	0.903901	2.306742	1.099255	0.035865	NaN	Low	0.303953	1.50385
35	AACATTCATTGTT	1.035827	1.509442	0	2.594514	0	0	0	2.372353	2.34915	0.885362	1.082214	0.996036	0.332572	1.130225	0	1.188971	1.191446	0	1.098841	5.999291	1.188312	1.729546	0.885114	0.050697	NaN	Low	0.550624	1.826
35	AACATTCATTGTT	4.143309	7.547211	5.941255	15.56708	3.479177	5.139665	5.198438	8.303235	2.34915	1.770725	1.082214	2.988108	2.328007	4.89764	1.478038	2.377943	3.574338	3.968552	3.296522	57.19324	7.131193	2.530335	0.72945	0.000523	NaN	Low	2.10451	12.15787
35	AACATTCATTGTT	0	4.528326	5.941255	2.594514	3.479177	0	0	1.186176	0	2.656087	2.164428	0	0.332572	3.390674	1.478038	0	2.382892	1.322851	0	11.99858	2.172779	1.48579	1.01814	0.144478	NaN	Low	1.143355	3.202202
35	AACATTCATTGTT	3.107481	13.58498	5.941255	37.62045	6.958353	2.569832	10.39688	17.79265	21.14235	4.426812	2.164428	2.988108	5.321159	26.37191	3.448756	5.350372	15.4888	11.90566	13.18609	179.5788	19.46725	2.771232	0.799907	0.000531	0.005187	OK	4.974443	33.96007
35	AACATTCATTGTT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.79896	0.439948	3.21176	1.714226	0.060987	NaN	Low	0.08572	0.794176
35	AACATTCATTGTT	0	1.509442	0	1.297257	3.479177	0	1.039688	1.186176	3.523725	0.885362	1.082214	0	0	4.520899	0.492679	0.594486	4.765784	2.645701	3.296522	51.19395	4.075653	3.514938	0.945351	0.000201	NaN	Low	0.6557	7.495607
35	AACATTCATTGTT	0	0	0	2.594514	0	0	0	0	0	1.770725	0	0	0	0.376742	0	0.594486	0	0	0	8.79896	0.706771	2.224585	1.192493	0.062113	NaN	Low	0.249137	1.164406
35	AACATTCATTGTT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.322851	0	1.999764	0.166131	1.053692	0.896913	0.240076	NaN	Low	0.108023	0.224238
37	GTATGTGGGATG	1.035827	0	0	0	0	0	0	0	0	0	0	0.996036	0.332572	0	0	0.594486	0	0	26.37218	0	1.466555	3.956865	1.536379	0.010011	NaN	Low	0.177456	2.755655
38	AAAAGCTGGGTT	0	0	1.485314	0	0	0	0	0	0	0	1.082214	2.988108	0.332572	0.376742	0.492679	1.188971	0	1.322851	0	2.799669	0.603456	1.077284	1.116615	0.334657	NaN	Low	0.388067	0.818845
38	AAAAGCTGGGTT	52.82718	12.07554	8.911883	15.56708	6.958353	15.41899	30.15094	58.12264	8.222024	4.426812	7.5755	19.92072	16.62862	12.05573	1.478038	21.99597	15.4888	19.84276	38.45943	52.39381	20.92604	1.187596	0.720175	0.09914	0.214139	OK	12.76862	29.08346
38	AAAAGCTGGGTT	1.035827	0	0	0	3.479177	0	1.039688	9.489411	0	0	0	1.992072	0.665145	1.506966	2.463397	1.783457	1.191446	2.645701	0	1.599811	1.444605	-0.48338	1.073118	0.652388	NaN	Low	1.684378	1.204832
38	AAAAGCTGGGTT	1.035827	0	0	0	0	0	7.277814	4.744705	2.34915	0.885362	0	0.996036	0.997717	0.376742	2.463397	2.377943	1.191446	2.645701	1.098841	2.399716	1.54202	0.165168	0.965211	0.864128	NaN	Low	1.453846	1.630193
38	AAAAGCTGGGTT	6.214963	0	0	1.297257	3.479177	0	1.039688	4.744705	0	1.770725	0	0	0	0	0	1.188971	0	0	0	3.199622	1.146755	0.383067	1.190123	0.74755	NaN	Low	0.995399	1.298112
38	AACATTCAACGCT	4.143309	4.528326	29.70628	2.594514	6.958353	10.27933	6.238126	2.372353	10.57117	2.656087	12.98657	16.93261	3.990869	3.767416	0.985359	1.783457	2.382892	2.645701	4.395363	1.599811	6.575895	-1.05928	0.853343	0.214484	NaN	Low	8.887117	4.264673
38	AACATTCAACGCT	1.035827	28.6794	26.73565	14.26983	10.43753	7.709497	10.39688	3.558529	19.96777	12.39507	10.82214	18.92468	5.321159	3.390674	2.956077	3.566914	4.765784	3.968552	7.691886	7.999055	10.22965	-0.34195	0.756443	0.651231	0.758512	OK	11.43633	9.022958
38	AACATTCAACGCT	26.93151	200.7558	99.51602	73.94364	90.45859	113.0726	59.2622	60.49499	111.5846	70.829	98.48149	249.009	43.89956	60.27865	40.8924	76.09417	81.01833	54.23687	72.52349	62.79258	87.30378	-0.37693	0.552656	0.495216	0.63085	OK	98.64422	75.96333
38	AACATTCAACGCT	170.9115	1210.573	350.5341	328.206	647.1269	830.0559	433.5498	491.077	825.7262	491.3762	598.4645	1744.059	316.9415	583.196	512.8793	463.1044	700.5703	813.5531	929.6193	496.3413	646.8932	0.148139	0.540362	0.783972	0.858885	OK	613.7103	680.0762
38	AACATTCAACGCT	22.7882	134.3403	53.4713	42.80948	114.8128	102.7933	46.78594	86.59087	202.0269	43.38276	63.85064	168.3301	49.88587	72.71112	80.30675	49.34232	98.89002	169.3249	295.5882	73.5913	98.58115	0.983234	0.595316	0.098613	0.214139	OK	66.23093	130.9314
38	AACATTCAACGCT	5.179136	19.62275	10.3972	10.37806	24.35424	25.69832	5.198438	17.79265	50.50672	7.968262	31.38421	36.85333	7.981739	21.85101	11.33163	8.917286	11.91446	51.59117	82.41306	11.19868	22.62662	1.111074	0.711962	0.118623	0.239677	OK	14.32036	30.93288
38	AACATTCAACGCT	1.035827	13.58498	1.485314	1.297257	3.479177	12.84916	0	4.744705	4.6983	0.885362	6.493285	5.976216	0	1.883708	1.970718	1.188971	5.95723	6.614253	10.98841	1.599811	4.336634	0.52559	0.920152	0.567865	NaN	Low	3.555315	5.117954
38	AACATTCAACGCT	2.071654	39.2455	19.30908	22.05337	10.43753	23.12849	17.67469	13.04794	18.7932	17.70725	15.151	51.79387	12.97033	22.60449	11.82431	14.26766	28.59471	13.22851	32.96522	12.79849	19.98336	0.178878	0.579721	0.757657	0.840033	OK	18.74609	21.22064
38	AACATTCAACGCT	2.071654	40.75494	11.88251	6.486284	0	17.98883	8.317501	5.930882	10.57117	7.968262	23.80871	45.81765	3.325724	7.15809	3.941436	8.3228	4.765784	6.614253	3.296522	4.799433	11.19112	-1.30284	0.836946	0.11955	0.240564	OK	15.92673	6.455518
38	CGTCCCGGGGCT	2.071654	3.018884	0	5.189028	3.479177	2.569832	7.277814	3.558529	1.174575	4.426812	2.164428	0.996036	1.662862	0.753483	1.970718	1.188971	2.382892	1.322851	0	0	2.260427	-3.05931	1.120767	0.00634	NaN	Low	4.036601	0.484254
38	CGTCCCGGGGCT	12.42993	6.037769	4.455941	24.64788	6.958353	7.709497	7.277814	7.117058	7.04745	5.312175	4.328857	3.984144	3.990869	3.013933	4.926795	14.86214	11.91446	5.291402	1.098841	0.399953	7.140263	-2.95027	0.863473	0.000634	NaN	Low	12.64453	1.635995
38_	TATGTGGGATGG	1.035827	0	0	0	0	0	0	0	0	1.770725	1.082214	0	0	1.130225	0	0	0	2.645701	73.62234	0	4.064351	4.262722	1.526792	0.005239	NaN	Low	0.402494	7.726209
38	TTTGTTTCGTTCG	1.035827	0	0	1.297257	0	0	2.079375	2.372353	0	0	0	0	0.997717	1.130225	0.492679	0	1.191446	0	10.98841	5.999291	1.379229	3.107398	0.898396	0.000543	NaN	Low	0.286794	2.471664
38	TTTTGTTCGTTCG	7.25079	1.509442	1.485314	7.783541	13.91671	2.569832	6.238126	11.86176	1.174575	11.50971	3.246643	0	3.990869	1.883708	6.404833	2.972429	8.340122	2.645701	53.8432	25.19702	8.691217	2.692353	0.687058	0.000089	NaN	Low	2.32894	15.05349
39_	AAAGCTGGGTTG	4.143309	0	2.970628	1.297257	0	0	2.079375	7.117058	0	0	1.082214	1.992072	0.665145	0	0	0	0	0	2.197682	1.999764	1.277225	0.55114	1.136856	0.627823	NaN	Low	1.036186	1.518264
39	ACCCGTCCCGTTC	0	0	0	0	0	0	0	0	7.04745	0	0	0	0.665145	0	0	0	0	0	3.296522	0.399953	0.570453	0.792978	1.107119	0.473835	NaN	Low	0.41751	0.723397
39	GTCCCGGGGCTG	2.071654	18.11331	0	7.783541	3.479177	5.139665	4.158751	8.303235	3.523725	1.770725	6.493285	3.984144	1.33029	1.883708	1.478038	17.24009	10.72301	10.5828	5.494204	0.399953	5.697665	-0.96419	0.887796	0.277456	NaN	Low	7.533777	3.861554
39	TATGTAATATGGT	1.035827	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64.83161	0	3.293372	5.073234	1.657029	0.002201	NaN	Low	0.190004	6.396739
39	TGAGATGAAGCT	3.107481	4.528326	16.33845	2.594514	0	15.41899	4.158751	0	7.04745	2.656087	2.164428	2.988108	3.325724	1.130225	0.492679	1.188971	2.382892	1.322851	2.197682	1.999764	3.752169	-0.6719	0.899637	0.455149	NaN	Low	4.610454	2.893884
39	TTTGTTCGTTCGG	9.322444	4.528326	1.485314	1.297257	10.43753	0	3.119063	1.186176	1.174575	0.885362	0	0	0.332572	0	0	0	0	0	7.691886	1.199858	2.133018	0.922644	1.132253	0.415144	NaN	Low	1.473289	2.792747
39	TTTGTTCGTTCGG	21.75237	3.018884	14.85314	5.189028	27.83341	5.139665	8.317501	1.186176	0	1.770725	2.164428	0	1.995435	0	0.492679	1.783457	0	1.322851	94.50031	8.399007	9.985953	2.549549	1.063695	0.016535	NaN	Low	2.913687	17.05822
39	TTTGTTCGTTCGG	3.107481	0	7.426569	1.297257	0	0	7.277814	1.186176	0	0	0	0	0.665145	0	0	0	0	0	49.44784	3.199622	3.680395	2.982034	1.179565	0.011469	NaN	Low	0.826963	6.533827
39	TTTGTTCGTTCGG	5.179136	1.509442	5.941255	7.783541	0	5.139665	5.198438	2.372353	1.174575	0	0	0	0.332572	0.376742	0.985359	0.594486	2.382892	0	145.047	5.999291	9.500837	4.249413	0.982322	1.52E-05	NaN	Low	0.949155	18.05252
39_	TTTGTTCGTTCGG	199.9146	187.1708	170.8111	280.2075	128.7295	97.65363	360.7716	518.3591	75.17279	131.919	90.90599	18.92468	184.5777	105.1109	125.1406	138.5152	138.2077	182.5534	2629.526	439.1481	310.166	2.893533	0.658375	1.11E-05	0.000364	OK	73.57858	546.7534
39	TTTGTTCGTTCGG	80.79452	34.71717	25.25033	107.6723	27.83341	74.52514	144.5166	105.5697	16.44405	69.05827	28.13757	1.992072	41.90413	27.12539	14.78038	29.72429	36.93483	38.36267	832.9213	227.9731	98.31186	3.059003	0.742975	3.83E-05	0.000836	OK	21.06541	175.5583
39	TTTGTTCGTTCGG	521.0211	612.8335	167.8405	608.4135	681.9186	390.6145	721.5432	1574.056	183.2337	307.2208	347.3908	44.82162	638.8717	767.4226	916.8765	441.1084	620.7434	529.1402	5249.163	2576.895	895.0564	2.593199	0.646701	6.07E-05	0.00113	OK	254.4816	1535.631
39_	TTTGTTCGTTCGG	25.89568	45.28326	16.33845	41.51222	69.58353	38.54749	34.30969	157.7615	8.222024	16.82189	20.56207	1.992072	42.90185	54.25079	129.5747	49.9368	33.36049	27.77986	609.8567	214.3747	81.94328	2.847738	0.761319	0.000184	0.002292	OK	19.98932	143.8972
39	TTTGTTCGTTCGG	0	3.018884	0	2.594514	6.958353	0	0	7.117058	0	0	1.082214	0	0	0.753483	3.448756	0	0	0	3.296522	3.999527	1.613466	0.976819	1.163962	0.401347	NaN	Low	1.087197	2.139734
39	TTTGTTCGTTCGG	58.00632	199.2464	32.6769	79.13267	173.9588	174.7486	180.9057	410.417	24.66607	31.87305	111.4681	15.93657	163.2931	163.5058	228.1106	95.11772	47.65784	62.17398	865.8866	300.3645	170.9573	1.990347	0.745229	0.007567	0.035531	OK	68.7497	273.1649
39_	TTTGTTCGTTCGG	2534.669	4517.76	1468.975	4842.66	2950.342	2045.587	6700.787	9712.412	1010.134	2591.456	1986.945	309.7672	4130.217	4052.232	3770.476	1816.748	5021.945	4460.652	47124.89	12772.49	6191.057	2.824961	0.672594	2.67E-05	0.000655	OK	1531.313	10850.8
39	TTTGTTCGTTCGG	2.071654	1.509442	4.455941	2.594514	0	0	3.119063	1.186176	0	0	0	0	0	0	0.985359	1.188971	0	0	15.38377	1.599811	1.704735	2.348076	1.085288	0.030499	NaN	Low	0.559714	2.849756
4	AATCCTTGGAACCT	6.214963	1.509442	0	0	0	2.569832	0	3.558529	0	3.54145	3.246643	2.988108	0	4.520899	0	1.783457	0	3.968552	2.197682	5.599338	2.084945	0.798243	1.044631	0.444785	NaN	Low	1.522423	2.647466
4	AATCCTTGGAACCT	1.035827	0	1.485314	1.297257	3.479177	5.139665	1.039688	2.372353	2.34915	0	1.082214	0.996036	0	1.506966	1.970718	0	0	0	1.098841	4.799433	1.482632	1.210225	0.940062	0.197959	NaN	Low	0.89484	2.070424
4	AATCCTTGGAACCT	0	0	0	0	0	0	0	0	0	0	0	0.996036	0.332572	0	0	0	1.191446	0	0	1.999764	0.225991	1.299939	1.14873	0.257789	NaN	Low	0.130548	0.321434
4	ACTCTAGCTGCCAA	0	0	0	0	0	0	0	0	0	0	0	0.996036	1.995435	0	0.492679	0.594486	0	0	1.098841	10.39877	0.778812	2.840477	1.173233	0.015475	NaN	Low	0.190825	1.366799
4_	AGAAGGAAATTGA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.399716	0.119986	1.59701	1.478747	0.280153	NaN	Low	0.059618	0.180354
4	ATCCGAGTCACGG	67.32877	149.4348	559.9633	333.395	13.91671	41.11732	140.3578	69.98441	205.5506	83.22407	37.8775	73.70666	48.223	16.19989	8.375551	21.40149	8.340122	39.68552	24.1745	1.199858	97.17284	-2.3755	0.950412	0.012439	0.048864	OK	162.9447	31.40098
4	ATCCGAGTCACGG	6.214963	21.13219	56.44192	45.40399	20.87506	5.139665	23.91282	36.77147	75.17279	15.05116	2.164428	5.976216	2.993152	0.376742	1.478038	3.566914	0	9.259954	1.098841	0	16.65152	-3.16668	1.058859	0.002784	0.016436	OK	29.96597	3.337058
4_	ATCCGAGTCACGG	25.89568	30.18884	111.3985	121.9421	215.709	10.27933	22.87313	42.70235	159.7422	10.62435	7.5755	12.94847	5.986304	2.260449	39.41436	17.24009	0	29.10271	12.08725	0	43.89853	-2.09759	1.037151	0.043129	0.119119	OK	71.16867	16.6284
4	CAAAGTTCTGAGA	0	0	0	0	0	0	1.039688	2.372353	0	2.656087	0	2.988108	0.332572	0.376742	2.463397	7.133829	2.382892	0	0	0	1.087283	-1.94822	1.185943	0.100433	NaN	Low	1.72703	0.447536
4	CTTTTTGCGGTCTG	0	0	0	0	0	0	0	0	0	0	1.082214	0	0	0	0	0	0	0	2.197682	1.999764	0.263983	2.487875	1.703809	0.144239	NaN	Low	0.07988	0.448086
4_	TGAGGTAGTAGGT	0	0	10.3972	6.486284	0	2.569832	0	0	1.174575	0	0	0	0	0	0	0.594486	0	0	0	0	1.061119	-0.92234	1.149608	0.422376	NaN	Low	1.389214	0.733023
4	TGAGGTAGTAGGT	0	0	7.426569	1.297257	3.479177	0	4.158751	1.186176	1.174575	1.770725	0	0	0.332572	0	0	0.594486	0	0	0	0	1.071014	-1.71594	1.192161	0.150051	NaN	Low	1.642151	0.499878
4	TGAGGTAGTAGGT	2.071654	0	19.30908	2.594514	0	0	4.158751	0	7.04745	1.770725	0	0	1.33029	0.376742	0.492679	0	0	0	5.494204	0	2.232304	0.170017	1.180526	0.885486	NaN	Low	2.100921	2.363687
4	TGAGGTAGTAGGT	5.179136	0	2.970628	0	0	5.139665	4.158751	0	3.523725	1.770725	0	1.992072	0.997717	0.753483	1.970718	1.188971	0	0	1.098841	0.799905	1.577217	-0.62209	0.998989	0.533471	NaN	Low	1.91209	1.242343
4_	TGAGGTAGTAGGT	8.286617	12.07554	10.3972	3.891771	0	5.139665	8.317501	2.372353	2.34915	6.197537	3.246643	6.972252	2.328007	4.520899	4.926795	5.944857	0	1.322851	6.593045	4.39948	4.964108	0.101819	0.660291	0.877449	NaN	Low	4.789008	5.139208
4	TGAGGTAGTAGGT	19.68072	57.3588	19.30908	57.0793	6.958353	30.83799	31.19063	29.65441	31.71352	16.82189	21.64428	27.88901	31.26181	42.94854	33.5022	40.42503	36.93483	17.19706	27.47102	28.39664	30.41376	-0.14935	0.432284	0.72972	0.823231	OK	31.98662	28.84089
4_	TGAGGTAGTAGGT	275.53	560.003	399.5494	363.2319	132.2087	267.2626	453.3038	558.6891	529.7333	401.9546	274.8824	408.3747	431.0139	696.9719	529.1377	501.1515	630.275	421.9893	575.7926	433.9487	442.2502	0.203771	0.386006	0.597572	0.714583	OK	411.0696	473.4308
4_	TGAGGTAGTAGGT	36.25395	196.2275	80.20694	127.1312	90.45859	197.8771	179.866	223.0012	159.7422	141.658	234.8405	485.0695	328.249	474.6944	567.0741	193.2079	176.334	156.0964	213.1751	132.7843	219.6974	-0.35593	0.619839	0.565817	0.692178	OK	246.6614	192.7333
4	TGAGGTAGTAGTT	5.179136	1.509442	2.970628	5.189028	0	2.569832	0	0	1.174575	1.770725	1.082214	0.996036	0.997717	0	0	0.594486	0	0	0	0	1.201691	-2.09705	1.179529	0.075425	NaN	Low	1.948053	0.455329
4_	TGAGGTAGTAGTT	36.25395	6.037769	35.64753	12.97257	0	2.569832	6.238126	3.558529	2.34915	7.968262	5.411071	13.9445	14.96576	2.260449	5.912153	1.783457	1.191446	1.322851	1.098841	5.599338	8.354279	-1.08853	0.927613	0.240606	NaN	Low	11.3645	5.344054
4_	TGAGGTAGTAGTT	25.89568	6.037769	8.911883	7.783541	13.91671	5.139665	7.277814	2.372353	5.872875	9.738987	1.082214	7.968287	8.646884	6.027865	1.970718	7.728315	1.191446	2.645701	4.395363	3.599575	6.910182	-0.76133	0.738803	0.30278	NaN	Low	8.692313	5.128051
4	TGAGGTAGTAGTT	41.43309	15.09442	23.76502	40.21496	13.91671	15.41899	10.39688	23.72353	28.1898	19.47797	19.47986	20.91675	21.61721	16.19989	8.86823	19.02354	4.765784	14.55136	17.58145	19.59768	19.71166	-0.08657	0.500439	0.86266	0.913365	OK	20.30289	19.12042
4_	TGAGGTAGTAGTT	440.2265	301.8884	369.8431	400.8524	191.3547	123.352	161.1516	253.8417	266.6285	271.8063	291.1156	241.0407	363.5017	255.4308	198.0571	354.908	226.3747	253.9873	252.7334	313.5629	276.5829	0.034927	0.345478	0.919473	0.951312	OK	273.2351	279.9307
4_	TGAGGTAGTAGTT	87.00948	87.54764	99.51602	111.5641	118.292	41.11732	31.19063	96.08029	59.90332	46.03885	98.48149	73.70666	141.0107	109.6318	144.8478	152.7828	132.2505	85.98529	79.11654	105.5875	95.08304	-0.04625	0.438113	0.915932	0.949642	OK	96.60689	93.55919
4	TGAGGTAGTAGTT	50.75553	87.54764	49.01536	86.91621	104.3753	64.24581	30.15094	78.28764	41.11012	80.56799	156.9211	173.3103	216.1721	130.7293	167.511	114.1413	81.01833	62.17398	72.52349	77.59083	96.25321	-0.379	0.532586	0.476693	0.618447	OK	108.8241	83.68229
4	TGAGGTAGTAGTT	5.179136	10.56609	2.970628	11.67531	6.958353	17.98883	5.198438	9.489411	7.04745	7.968262	1.082214	11.95243	10.30975	5.651124	12.31699	16.05111	9.531568	5.291402	27.47102	17.59792	10.11487	1.282062	0.50458	0.011058	0.044762	OK	5.894683	14.33506
40_	CTAGCACCATCTG	6.214963	0	1.485314	0	3.479177	0	1.039688	0	1.174575	6.197537	2.164428	1.992072	0.665145	0.753483	0.985359	0.594486	0	0	0	0.799905	1.377307	-1.06352	1.086904	0.327835	NaN	Low	1.863159	0.891455
40	CTAGCACCATCTG	4.143309	3.018884	16.33845	5.189028	6.958353	7.709497	4.158751	5.930882	4.6983	26.56087	19.47986	12.94847	0.332572	9.041798	0.985359	2.377943	5.95723	0	1.098841	8.399007	7.26637	-0.4867	0.903551	0.590123	NaN	Low	8.480559	6.052182
40	CTAGCACCATCTG	29.00316	27.16996	46.04473	28.53965	31.31259	30.83799	63.42095	21.35117	28.1898	111.5557	95.23485	91.63531	16.62862	65.17629	48.28259	14.26766	40.50917	18.51991	7.691886	35.59579	42.54839	-0.94226	0.647118	0.145371	0.270444	OK	55.96931	29.12746
40_	CTAGCACCATCTG	1.035827	4.528326	0	6.486284	0	2.569832	2.079375	1.186176	1.174575	2.656087	10.82214	15.93657	1.995435	4.520899	5.419474	1.783457	3.574338	0	0	2.799669	3.428424	-0.97235	0.949105	0.305602	NaN	Low	4.541938	2.314909
40	CTAGCACTATCTG	4.143309	6.037769	5.941255	2.594514	3.479177	0	4.158751	3.558529	3.523725	2.656087	5.411071	6.972252	0.665145	1.506966	1.478038	2.972429	3.574338	0	0	1.999764	3.033656	-1.11462	0.836989	0.182959	NaN	Low	4.150539	1.916773
40	TCCCGGGGCTGC	3.107481	4.528326	10.3972	6.486284	3.479177	7.709497	3.119063	5.930882	2.34915	0.885362	6.493285	0	0.332572	0	0.492679	6.539343	4.765784	6.614253	4.395363	0	3.881285	-0.76509	0.98855	0.43896	NaN	Low	4.886984	2.875586
40_	TCCCGGGGCTGC	9.322444	7.547211	20.79439	45.40399	20.87506	12.84916	7.277814	18.97882	8.222024	2.656087	18.39764	0.996036	6.984021	7.534831	5.912153	28.53532	41.70061	22.48846	10.98841	1.199858	14.93322	-1.24918	0.812188	0.124038	0.246079	OK	21.02253	8.843905
40	TCGACCGGACCTC	6.214963	3.018884	5.941255	1.297257	0	0	1.039688	0	2.34915	0	1.082214	0.996036	0.332572	0	0	1.188971	0	0	1.098841	0.799905	1.267987	-0.30098	1.116847	0.787553	NaN	Low	1.399775	1.136199
40	TCGACCGGACCTC	4.143309	0	2.970628	1.297257	0	0	0	2.372353	1.174575	0	0	0.996036	0.665145	0	0	3.566914	1.191446	0	1.098841	0.399953	0.993823	-0.39176	1.128817	0.728553	NaN	Low	1.127934	0.859712
40_	TCGACCGGACCTC	13.46575	1.509442	5.941255	9.080798	3.479177	0	2.079375	3.558529	2.34915	1.770725	1.082214	1.992072	7.316594	1.130225	1.478038	14.26766	1.191446	1.322851	7.691886	3.999527	4.235336	0.380555	0.850818	0.654672	NaN	Low	3.679953	4.790718
40	TCGACCGGACCTC	16.57323	7.547211	19.30908	3.891771	6.958353	2.569832	21.83344	1.186176	14.0949	2.656087	9.739928	2.988108	12.63775	5.274382	11.82431	13.67317	4.765784	0	6.593045	7.599102	8.585783	-0.28208	0.757091	0.709462	NaN	Low	9.422468	7.749099
40	TCGACCGGACCTC	1.035827	3.018884	1.485314	0	0	0	0	0	0	0.885362	0	0	0.665145	1.130225	3.448756	2.972429	0	1.322851	0	0.799905	0.838235	-0.65476	1.125828	0.560848	NaN	Low	1.025251	0.651219
40_	TCGACCGGACCTC	25.89568	16.60386	11.88251	11.67531	10.43753	0	21.83344	9.489411	11.74575	7.968262	9.739928	4.98018	20.61949	12.80921	24.14129	39.83054	10.72301	6.614253	4.395363	20.79754	14.10913	-0.15348	0.657522	0.815429	0.881593	OK	14.85894	13.35932
40	TCGACCGGACCTC	1.035827	3.018884	2.970628	0	0	0	2.079375	0	2.34915	0	0	0	2.328007	0	0.985359	1.783457	0	0	0	0.399953	0.847532	-1.06757	1.166456	0.360072	NaN	Low	1.147546	0.547518
40	TCGACCGGACCTC	5.179136	9.056653	4.455941	1.297257	10.43753	0	10.39688	2.372353	1.174575	3.54145	9.739928	2.988108	13.3029	3.390674	14.78038	7.728315	2.382892	0	1.098841	3.599575	5.346169	-1.02363	0.843886	0.22513	NaN	Low	7.167042	3.525297
40_	TCGACCGGACCTC	9.322444	1.509442	5.941255	2.594514	3.479177	0	1.039688	0	8.222024	0	0	0	0.332572	0.376742	0.985359	1.783457	0	0	0	0.799905	1.819329	-1.19591	1.146395	0.296859	NaN	Low	2.532983	1.105675
40	TCGACCGGACCTC	6.214963	1.509442	5.941255	1.297257	3.479177	0	2.079375	0	5.872875	0	0	0	1.33029	0.376742	0.985359	0.594486	0	0	0	1.199858	1.544054	-0.76931	1.11172	0.488936	NaN	Low	1.94625	1.141858
40	TCGACCGGACCTC	18.64489	7.547211	10.3972	2.594514	6.958353	0	6.238126	4.744705	3.523725	0.885362	0	0.996036	2.328007	1.506966	0.492679	5.350372	0	0	1.098841	2.399716	3.785335	-0.84122	1.004401	0.402291	NaN	Low	4.858692	2.711978
40_	TCGACTGGACCTC	9.322444	4.528326	8.911883	1.297257	6.958353	0	4.158751	3.558529	2.34915	0	1.082214	0	0.332572	0.376742	0.985359	2.377943	0	1.322851	1.098841	0	2.433061	-1.62862	1.089112	0.134819	NaN	Low	3.676993	1.189128
40	TCGATCGGACCTC	17.60906	3.018884	11.88251	3.891771	10.43753	0	2.079375	3.558529	3.523725	0	2.164428	0	2.993152	0.753483	0.492679	4.755886	2.382892	0	0	1.199858	3.537188	-1.6627	1.056619	0.115579	NaN	Low	5.376291	1.698085
40	TTTCCGGCTCGCG	1.035827	3.018884	4.455941	1.297257	0	0	1.039688	7.117058	4.6983	4.426812	0	1.992072	0.997717	1.130225	1.970718	10.10626	2.382892	2.645701	14.28493	9.198913	3.58996	1.815244	0.778033	0.019642	NaN	Low	1.588762	5.591158
40_	TTTCCGGCTCGCG	0	0	0	1.297257	3.479177	0	1.039688	2.372353	2.34915	0	0	0	1.33029	0.376742	0.492679	0	3.574338	0	12.08725	6.399244	1.739908	2.877397	0.937456	0.002145	NaN	Low	0.416833	3.062984
40	TTTCCGGCTCGCG	0	3.018884	1.485314	0	0	0	0	4.744705	0	0	1.082214	0	0	0	0	0.594486	1.191446	0	4.395363	8.399007	1.245571	2.293412	1.151414	0.046391	NaN	Low	0.422074	2.069068
41	ATGTCACTCGGCT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.322851	8.790727	0	0.505679	2.412279	1.712354	0.158909	NaN	Low	0.159945	0.851412
41_	ATTCAACGCTGTC	2.071654	4.528326	8.911883	2.594514	0	0	0	4.744705	2.34915	0.885362	1.082214	0.996036	0.665145	0	0	0	0	2.645701	3.296522	0.799905	1.778556	0.146582	1.074496	0.89149	NaN	Low	1.688281	1.868831
41	CCCGGGGCTGCG	1.035827	6.037769	2.970628	6.486284	0	0	7.277814	2.372353	3.523725	0	1.082214	0.996036	1.995435	0	0.985359	4.755886	4.765784	2.645701	0	0	2.346541	-2.8954	1.13379	0.010657	NaN	Low	4.137063	0.556018
41	CCCGGGGCTGCG	5.179136	9.056653	23.76502	23.35062	10.43753	7.709497	13.51594	11.86176	4.6983	0.885362	6.493285	4.98018	6.984021	4.144157	5.912153	25.56289	16.68024	15.87421	2.197682	0.799905	10.00443	-2.55312	0.819944	0.001847	0.012061	OK	17.09595	2.912909
41_	TAGCACCATCTGA	3.107481	1.509442	4.455941	3.891771	0	0	3.119063	0	2.34915	2.656087	5.411071	6.972252	0.665145	2.637191	0.985359	0.594486	0	0	2.197682	3.199622	2.187587	0.289547	0.874461	0.740558	NaN	Low	1.968798	2.406376
41	TAGCACCATCTGA	1.035827	0	0	0	0	2.569832	1.039688	0	0	5.312175	1.082214	0.996036	0	0.753483	0.492679	2.972429	0	0	0	0.799905	0.852713	-0.58719	1.154885	0.611143	NaN	Low	1.023889	0.681538
41	TAGCACCATCTGA	39.36143	36.22661	95.06008	28.53965	6.958353	20.55866	49.90501	17.79265	49.33215	98.27524	53.0285	100.5996	8.646884	20.72079	18.72182	14.86214	13.10591	13.22851	10.98841	27.99669	36.19545	-0.84704	0.737315	0.250633	0.396964	OK	46.52596	25.86495
41_	TAGCACCATCTGA	146.0516	113.2082	170.8111	89.51073	59.146	102.7933	251.6044	67.61205	76.34737	411.6936	314.9243	461.1646	63.52134	122.441	109.8675	48.15334	79.82689	54.23687	46.15131	96.78856	144.2927	-0.98821	0.685224	0.149253	0.27532	OK	191.8656	96.71977
41	TAGCACCATCTGA	22.7882	22.64163	32.6769	16.86434	13.91671	25.69832	25.99219	20.165	16.44405	49.5803	48.69964	55.77801	15.96348	30.89281	36.45828	13.67317	23.82892	7.937103	8.790727	21.9974	25.53936	-0.71832	0.541549	0.184701	0.320626	OK	31.76923	19.30949
41	TAGCACCATCTGA	5.179136	3.018884	4.455941	1.297257	6.958353	15.41899	4.158751	3.558529	2.34915	15.05116	24.89093	7.968287	4.323442	7.534831	11.33163	1.188971	4.765784	3.968552	0	4.799433	6.610901	-1.16431	0.826918	0.159127	NaN	Low	9.142586	4.079215
41_	TAGCACCATCTGA	5.179136	12.07554	11.88251	12.97257	10.43753	23.12849	17.67469	14.23412	4.6983	36.29986	90.90599	112.5521	11.30746	29.76258	23.15593	3.566914	11.91446	7.937103	4.395363	3.199622	22.36401	-2.23426	0.867893	0.010043	0.042317	OK	36.88818	7.839848
41	TAGCACCATCTGA	9.322444	12.07554	7.426569	2.594514	0	7.709497	24.9525	2.372353	2.34915	35.4145	73.59057	105.5798	7.316594	22.22775	16.7511	5.350372	3.574338	3.968552	0	2.799669	17.26879	-2.5884	1.014007	0.010691	0.044012	OK	29.61372	4.923864
41	TAGCACCATCTGA	2.071654	0	0	1.297257	0	0	2.079375	0	0	2.656087	14.06878	14.94054	1.662862	1.883708	2.463397	1.188971	1.191446	0	0	0.399953	2.295202	-1.87272	1.141008	0.100739	NaN	Low	3.605807	0.984597
41_	TAGCACTATCTGA	9.322444	4.528326	8.911883	2.594514	0	2.569832	2.079375	2.372353	3.523725	4.426812	1.082214	2.988108	0.332572	0.376742	1.478038	0	0	0	0	0	2.329347	-2.73515	1.144711	0.016877	NaN	Low	4.050372	0.608322
41	TAGCACTATCTGA	37.28978	22.64163	37.13284	28.53965	17.39588	12.84916	29.11125	16.60647	27.01522	30.98769	29.21978	27.88901	8.314311	6.781348	6.404833	2.377943	3.574338	0	1.098841	2.399716	17.38149	-2.78399	0.853551	0.001108	0.008532	OK	30.35565	4.407317
41	TAGCACTATCTGA	17.60906	9.056653	10.3972	15.56708	17.39588	25.69832	17.67469	10.67559	7.04745	15.93652	9.739928	27.88901	2.993152	6.027865	6.897512	5.350372	2.382892	1.322851	2.197682	2.399716	10.71297	-1.99999	0.762056	0.008679	0.038905	OK	17.14072	4.28522
41_	TAGCATCATCTGA	22.7882	22.64163	29.70628	32.43142	10.43753	10.27933	10.39688	11.86176	14.0949	19.47797	25.97314	30.87711	4.988587	6.404607	5.912153	4.1614	3.574338	0	2.197682	1.199858	13.47024	-2.65436	0.843728	0.001655	0.011103	OK	23.24781	3.692666
41	TAGCATCATTTGA	3.107481	0	0	5.189028	0	0	6.238126	0	0	1.770725	1.082214	1.992072	1.662862	0.376742	0	0.594486	0	0	0	0	1.100687	-1.93622	1.186307	0.102649	NaN	Low	1.745322	0.456052
41	TAGCATCATTTGA	2.071654	1.509442	1.485314	6.486284	0	0	2.079375	0	0	0.885362	1.082214	0	0.332572	0	0	0	0	0	0	0	0.796611	-1.5488	1.193394	0.194353	NaN	Low	1.187381	0.405841
41	TCCAGCATCAGTG	0	12.07554	0	0	0	0	2.079375	0	0	3.54145	0	0	2.993152	0	0.985359	0	5.95723	0	0	0.799905	1.4216	-0.73403	1.191667	0.537914	NaN	Low	1.775645	1.067556
41	TCCAGCATCAGTG	1.035827	86.0382	4.455941	5.189028	6.958353	2.569832	7.277814	8.303235	3.523725	3.54145	7.5755	0.996036	30.26409	5.274382	21.6779	4.1614	45.27495	9.259954	17.58145	14.79825	14.28787	0.159584	0.938452	0.864971	0.913365	OK	13.49845	15.07729
41	TCCAGCATCAGTG	0	16.60386	0	0	3.479177	5.139665	1.039688	4.744705	2.34915	1.770725	1.082214	0	4.323442	0.753483	6.404833	0	15.4888	2.645701	4.395363	5.199386	3.77101	0.322538	1.033217	0.754913	NaN	Low	3.351222	4.190797
41	TTTTCGTTCGGCT	18.64489	10.56609	11.88251	28.53965	17.39588	7.709497	23.91282	40.33	4.6983	6.197537	3.246643	0	9.644601	9.041798	5.419474	2.972429	8.340122	9.259954	108.7852	26.79683	17.66921	2.218501	0.77123	0.00402	0.02178	OK	6.250058	29.08837
41	TTTTCGTTCGGCT	0	0	1.485314	2.594514	0	2.569832	0	7.117058	0	0	3.246643	0	2.328007	1.506966	2.463397	0.594486	1.191446	0	7.691886	1.599811	1.719468	1.287453	1.003246	0.199391	NaN	Low	0.99941	2.439526
41	TTTTCGTTCGGCT	0	7.547211	1.485314	1.297257	0	2.569832	3.119063	5.930882	0	0	0	0	1.662862	0.753483	0.492679	0	1.191446	0	4.395363	0	1.52227	0.35983	1.134515	0.751118	NaN	Low	1.333409	1.71113
41	TTTTCGTTCGGCT	3.107481	10.56609	0	5.189028	3.479177	7.709497	8.317501	17.79265	2.34915	1.770725	2.164428	0	3.325724	1.506966	2.956077	1.188971	2.382892	3.968552	57.13972	9.198913	7.205677	2.598004	0.819967	0.001533	NaN	Low	2.042864	12.36849
42	AACATGGAGGAA	0	0	0	0	0	0	0	0	0	0.885362	0	0	0	0	0	0	0	0	8.790727	0	0.483804	2.586226	1.716372	0.131862	NaN	Low	0.138126	0.829483
42	AACATGGAGGAA	2.071654	0	0	1.297257	0	2.569832	0	0	2.34915	2.656087	1.082214	0	0.665145	1.883708	1.970718	0.594486	0	1.322851	72.52349	0.799905	4.589325	4.209875	0.957768	1.11E-05	NaN	Low	0.470569	8.708081
42	ACCAGGAGGCTG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.492679	0.594486	0	0	23.07566	0	1.208141	3.976126	1.657413	0.01644	NaN	Low	0.144364	2.271918
42	ACTGGACTTGGA	20.71654	13.58498	20.79439	9.080798	3.479177	12.84916	5.198438	58.12264	30.53895	22.13406	25.97314	77.6908	20.61949	4.520899	12.80967	7.728315	21.44603	14.55136	6.593045	2.799669	19.56158	-1.9549	0.772264	0.011361	0.045537	OK	31.101	8.022158
42	ACTGGACTTGGA	186.4489	120.7554	93.57477	98.59152	212.2298	161.8994	73.81782	1058.069	400.53	260.2966	245.6626	714.1578	375.1417	74.97157	151.2526	90.95632	515.8961	243.4045	64.83161	13.99835	257.8243	-2.50371	0.751866	0.000868	0.007257	OK	438.3565	77.29221
42	ATCGTGCATCCCT	0	0	0	19.45885	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.972943	-0.04338	0.382272	0.909643	NaN	Low	0.98757	0.958315
42	CAGGGCTGGCAG	0	0	0	0	0	0	0	5.930882	0	0	0	0	0	0	0	0.594486	0	0	0	0	0.326268	-0.3567	0.920052	0.698245	NaN	Low	0.366398	0.286139
42	CCGGGGCTGCGC	3.107481	7.547211	7.426569	3.891771	0	10.27933	16.635	9.489411	3.523725	2.656087	4.328857	0.996036	2.66058	0.753483	0.492679	4.755886	9.531568	10.5828	4.395363	1.199858	5.212685	-0.88629	0.854033	0.299375	NaN	Low	6.765319	3.660051

42 CCGGGGCTGCGC	10.35827	7.547211	32.6769	16.86434	3.479177	33.40782	14.55563	10.67559	8.222024	4.426812	22.7265	4.98018	7.316594	3.767416	3.941436	17.24009	34.55194	21.16561	6.593045	1.999764	13.32482	-1.5902	0.756628	0.03558	0.105232	OK	20.00536	6.64427
42 CGGGGCAGCTCA	0	1.509442	0	0	0	0	1.039688	1.186176	0	0	0	0	0.997717	0	0	0	0	0	0	3.999527	0.436628	1.606166	1.190113	0.177147	NaN	Low	0.215916	0.657339
42 CTAATACTGCCGG	3.107481	3.018884	4.455941	0	6.958353	2.569832	1.039688	1.186176	1.174575	1.770725	1.082214	0.996036	1.995435	3.390674	1.970718	12.4842	3.574338	6.614253	2.197682	1.199858	3.039353	-0.82386	0.869062	0.343134	NaN	Low	3.884338	2.194368
42 CTAATACTGCCGG	2.071654	0	1.485314	1.297257	0	0	1.039688	5.930882	4.6983	2.656087	2.164428	6.972252	3.658297	7.15809	11.82431	33.2912	8.340122	13.22851	1.098841	4.39948	5.565735	-0.85876	0.962992	0.372519	NaN	Low	7.174996	3.956474
42 CTGTCCTAAGGTT	0	0	0	0	0	0	0	2.372353	1.174575	0	2.164428	5.976216	0.665145	0	0	0	0	1.322851	0	0	0.683778	-1.2297	1.183852	0.298932	NaN	Low	0.958743	0.408814
42 CTGTCCTAAGGTT	1.035827	0	0	2.594514	3.479177	0	1.039688	1.186176	0	0.885362	7.5755	6.972252	0.665145	0.376742	1.478038	0.594486	1.191446	0	0	0	1.453718	-2.35336	1.166539	0.043655	NaN	Low	2.431596	0.475839
42 TGTCACTCGGCTC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17.58145	0	0.879073	3.990574	1.719578	0.020305	NaN	Low	0.104058	1.654087
42 TTTCGTTCGGCTC	0	0	0	0	0	0	0	2.372353	0	0	0	0	0.332572	0	0	0	0	0	5.494204	0	0.409956	1.695629	1.090482	0.119961	NaN	Low	0.193413	0.6265
42 TTTCGTTCGGCTC	14.50158	15.09442	22.27971	16.86434	0	0	37.42876	52.19176	5.872875	11.50971	9.739928	1.992072	11.97261	5.651124	4.926795	2.972429	7.148676	10.5828	156.0354	20.39759	20.35813	2.393511	0.845161	0.004626	0.024131	OK	6.510076	34.20618
42 TTTCGTTCGGCTC	6.214963	3.018884	1.485314	0	0	0	0	2.372353	0	0.885362	2.164428	0	0.665145	0.376742	1.478038	0.594486	0	1.322851	15.38377	1.999764	1.898105	2.33363	0.957812	0.014834	NaN	Low	0.628436	3.167774
42 TTTCGTTCGGCTC	0	1.509442	0	1.297257	0	2.569832	5.198438	8.303235	0	0	1.082214	0	2.328007	0.753483	0.492679	0	0	1.322851	8.790727	0.799905	1.722404	1.276224	1.085144	0.23956	NaN	Low	1.006652	2.438155
42 TTTCGTTCGGCTC	7.25079	4.528326	1.485314	9.080798	3.479177	2.569832	17.67469	14.23412	1.174575	4.426812	1.082214	0	5.653732	2.637191	2.463397	1.188971	1.191446	0	65.93045	9.198913	7.762537	2.603126	0.88459	0.003253	NaN	Low	2.194042	13.33103
43 AATAATACATGGT	3.107481	0	0	0	0	0	0	0	0	0.885362	1.082214	0	0.332572	1.130225	0.492679	0	0	1.322851	62.63393	0	3.549366	4.326805	1.380443	0.001722	NaN	Low	0.336948	6.761783
43 AATCACACAAAGG	0	0	0	1.297257	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.494204	0	0.339573	1.882908	1.681681	0.26286	NaN	Low	0.144864	0.534283
43 ACTGCATTATGAG	5.179136	1.509442	0	1.297257	0	0	0	0	0	1.770725	1.082214	0.996036	1.662862	4.89764	2.463397	1.783457	1.191446	0	1.098841	5.199386	1.506592	0.927196	0.944647	0.326333	NaN	Low	1.038464	1.97472
43 ATCATGGAGGAA	0	0	0	0	0	0	0	0	0	0	0	1.992072	0.332572	0.753483	0	0	0	0	37.36059	0	2.021936	3.998721	1.612423	0.01314	NaN	Low	0.238073	3.805798
43 CGGGGCTGCGCG	13.46575	4.528326	8.911883	3.891771	3.479177	5.139665	12.47625	3.558529	2.34915	0	5.411071	0	1.662862	1.883708	5.419474	6.539343	3.574338	10.5828	2.197682	0.399953	4.773587	-1.7718	0.909248	0.051338	NaN	Low	7.384635	2.162539
43 CTGGACTTGGAG	14.50158	4.528326	4.455941	2.594514	3.479177	10.27933	2.079375	26.09588	14.0949	10.62435	7.5755	28.88504	10.64232	1.883708	1.970718	2.972429	16.68024	5.291402	6.593045	0.399953	8.781387	-1.30578	0.861591	0.129635	NaN	Low	12.50462	5.058153
43 CTGGACTTGGAG	49.7197	28.6794	46.04473	15.56708	83.50024	28.26816	23.91282	215.8841	175.0117	92.96306	47.61743	103.5877	79.15224	18.0836	51.73134	23.77943	133.442	103.1823	14.28493	2.399716	66.84058	-2.79206	0.756348	0.000223	0.002714	OK	116.8154	16.8658
43 TAATACTGCCGGG	53.86301	4.528326	185.6642	10.37806	38.27094	0	4.158751	9.489411	9.396599	3.54145	1.082214	7.968287	2.66058	0.753483	1.970718	38.64157	2.382892	11.90566	2.197682	2.799669	19.58268	-2.02132	1.074006	NaN	NaN	Outlier	31.42449	7.740863
43 TAATACTGCCGGG	19.68072	19.62275	10.3972	0	10.43753	5.139665	19.75407	21.35117	19.96777	17.70725	21.64428	53.78594	12.63775	18.83708	36.95096	80.25557	19.06314	35.71697	31.86638	13.99835	23.44073	-0.06403	0.730191	0.930129	0.958314	OK	23.96078	22.92067
43 TAATACTGCCGGG	16.57323	30.18884	4.455941	6.486284	6.958353	5.139665	11.43656	7.117058	10.57117	11.50971	8.657714	16.93261	6.984021	9.418539	9.853589	42.80297	10.72301	9.259954	2.197682	10.79872	11.90328	-0.80007	0.673743	0.235031	0.383043	OK	15.12179	8.684775
43 TAATACTGCCGGG	2.071654	3.018884	0	0	0	0	1.039688	5.930882	0	0	0	5.976216	1.33029	3.013933	0.985359	8.3228	0	1.322851	0	1.199858	1.710621	-0.96441	1.117771	0.388249	NaN	Low	2.261996	1.159246
43 TAATACTGCCGGG	8.286617	28.6794	2.970628	9.080798	24.35424	5.139665	20.79375	45.0747	10.57117	25.67551	25.97314	57.77008	18.62406	58.0182	50.74598	176.5623	70.29532	54.23687	20.87798	26.79683	37.02636	-0.60363	0.814652	0.458714	0.605348	OK	44.66129	29.39143
43 TAATACTGCCGGG	69.40042	108.6798	25.25033	42.80948	142.6462	56.53631	109.1672	272.8206	81.04567	197.4358	150.4278	481.0854	106.4232	342.4581	412.8654	884.0003	300.2444	490.7776	154.9366	184.3782	230.6694	-0.42539	0.786983	0.588834	0.710636	OK	264.4322	196.9067
43 TAATACTGCCGGG	20.71654	15.09442	8.911883	5.189028	52.18765	25.69832	33.27001	75.91529	17.61862	13.28044	18.39764	36.85333	16.96119	53.87405	118.7357	140.2986	55.99796	83.33959	65.93045	57.19324	45.7732	0.422101	0.764126	0.580676	0.705107	OK	39.12445	52.42195
43 TAATACTGCCGGG	1.035827	1.509442	0	2.594514	3.479177	2.569832	1.039688	11.86176	2.34915	0	0	0	2.993152	6.781348	18.72182	24.9684	4.765784	5.291402	15.38377	6.399244	5.587216	0.819111	1.019893	0.421897	NaN	Low	4.042382	7.13205
43 TAATACTGCCGGG	24.85985	24.15107	14.85314	11.67531	31.31259	38.54749	69.65907	53.37794	28.1898	14.1658	58.43957	135.4609	25.60808	58.39494	101.9846	109.9799	67.91242	111.1194	89.00611	39.59532	55.41467	0.206593	0.682922	0.76226	0.843534	OK	51.45376	59.37558
43 TAATACTGCCGGG	0	4.528326	4.455941	0	0	0	7.277814	0	0	0	2.164428	12.94847	1.995435	2.637191	7.882871	3.566914	3.574338	6.614253	1.098841	1.199858	2.997234	-1.09524	1.04206	0.293245	NaN	Low	4.083259	1.911209
43 TAATACTGCCGGG	21.75237	46.79271	7.426569	6.486284	38.27094	30.83799	80.05595	72.35676	36.41182	98.27524	79.00164	215.1438	46.22757	168.0267	159.1355	362.0418	142.9735	104.5052	86.80843	47.59438	92.50626	-0.44209	0.816352	0.588136	0.710636	OK	106.5698	78.44273
43 TAATACTGCCGGG	0	7.547211	1.485314	0	6.958353	5.139665	6.238126	4.744705	2.34915	11.50971	21.64428	57.77008	6.984021	21.09753	23.64861	41.614	4.765784	10.5828	5.494204	4.799433	12.21865	-1.07359	0.955681	0.261276	0.408631	OK	16.56616	7.871144
43 TATGTAACATGGT	0	0	0	2.594514	0	0	0	0	0	0	0	0	0	0	0.492679	1.188971	0	1.322851	23.07566	0	1.433734	3.103313	1.617856	0.05509	NaN	Low	0.298884	2.568583
43 TCAGTGCACTACA	44.54057	0	10.3972	1.297257	20.87506	2.569832	0	0	0	1.770725	0	17.92865	0.997717	0.376742	1.478038	11.88971	1.191446	1.322851	1.098841	0.399953	5.906729	-1.68762	1.149357	0.142019	NaN	Low	9.014884	2.798575
43 TCAGTGCACTACA	74.57956	9.056653	13.36782	10.37806	13.91671	0	24.9525	5.930882	14.0949	18.59261	5.411071	85.65909	12.63775	3.390674	4.434115	33.88569	2.382892	3.968552	2.197682	3.199622	17.10184	-2.16815	0.941157	0.021239	0.073222	OK	27.97858	6.225106
43 TCAGTGCACTACA	45.57639	10.56609	11.88251	16.86434	24.35424	0	23.91282	5.930882	18.7932	46.03885	6.493285	74.7027	17.29377	3.390674	15.27306	67.17689	5.95723	10.5828	2.197682	3.199622	20.50935	-2.48959	0.87506	0.00444	0.023288	OK	34.81896	6.199739
43 TCAGTGCACTACA	12.42993	1.509442	4.455941	1.297257	6.958353	2.569832	3.119063	4.744705	1.174575	13.28044	4.328857	10.9564	6.651449	1.506966	6.404833	16.6456	0	3.968552	1.098841	0.399953	5.175049	-2.4024	0.948721	0.011333	NaN	Low	8.703784	1.646314
43 TCAGTGCACTACA	8992.016	2046.804	1433.328	4465.158	12817.29	783.7989	5855.521	1037.904	1712.53	10789.91	2191.484	14607.86	5221.055	2490.262	9487.528	25076	6884.175	6489.905	1937.256	382.7548	6235.127	-2.17643	0.814192	0.007515	0.035454	OK	10211.29	2258.968
43 TCAGTGCACTACA	2002.254	827.1743	521.3451	1951.074	4578.597	447.1508	2807.157	468.5397	540.3045	2702.126	1283.506	12025.14	2441.082	880.0683	3521.18	4973.468	1342.76	1713.091	293.3905	43.59485	2268.15	-3.27505	0.821559	6.71E-05	0.001216	OK	4111.563	424.737
43 TCAGTGCACTACA	98.40358	27.16996	8.911883	68.75462	205.2714	7.709497	59.2622	23.72353	12.92032	55.77784	47.61743	227.0962	85.80369	30.51607	218.7497	381.6598	28.59471	43.65407	13.18609	1.199858	82.29912	-2.91661	0.909642	0.001344	0.009651	OK	145.3486	19.24965
43 TCAGTGCACTACA	694.0042	365.285	179.723	692.7352	1756.984	244.1341	1078.156	142.3412	153.8693	888.0186	766.2077	5459.273	1106.136	330.0256	1174.055	1779.89	300.2444	448.4463	99.99451	12.39853	883.5961	-3.37261	0.859311	8.68E-05	0.001401	OK	1611.596	155.5963
43 TCAGTGCACTACA	21.75237	27.16996	8.911883	40.21496	111.3337	33.40782	75.8972	13.04794	7.04745	38.07059	94.15264	418.3351	70.17279	17.70685	70.45316	85.60595	7.148676	18.51991	6.593045	0.399953	58.29709	-3.23704	0.940492	0.000578	0.005423	OK	105.4139	11.18027
43 TCGTGCATCCCTT	0	0	0	19.45885	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.972943	-0.04338	0.382272	0.909643	NaN	Low	0.98757	0.958315
43 TGAAGCGCCTGTC	2.071654	4.528326	2.970628	2.594514	13.91671	0	0	1.186176	0	3.54145	2.164428	0.996036	3.325724	1.130225	1.478038	5.944857	3.574338	1.322851	1.098841	13.59839	3.272159	1.378991	0.823611	0.094067	NaN	Low	1.81743	4.726888
43 TGAAGCGCCTGTC	2.071654	0	4.455941	0	10.43753	0	0	2.372353	0	2.656087	3.246643	0	2.66058	1.506966	1.970718	15.45663	3.574338	3.968552	3.296522	6.799197	3.223686	0.626916	0.972367	0.519101	NaN	Low	2.534085	3.913286
43 TGGCTCAGTTCAG	6.214963	10.56609	19.30908	10.37806	3.479177	10.27933	21.83344	4.744705	5.872875	12.39507	4.328857	8.964323	8.979456	6.027865	5.912153	6.539343	8.340122	14.55136	8.790727	11.19868	9.435284	0.123311	0.518463	0.812006	NaN	Low	9.032301	9.838267
43 TGGCTCAGTTCAG	1.035827	4.528326	1.485314	2.594514	3.479177	2.569832	4.158751	5.930882	0	4.426812	2.164428	4.98018	4.656014	3.013933	3.941436	2.377943	5.95723	5.291402	4.395363	6.799197	3.689328	0.681924	0.572916	0.233941	NaN	Low	2.833283	4.545373
43_TTAGTGCACTACA	5.179136	1.509442	1.485314	0	0	0	1.039688	0	0	1.770725	0	1.992072	0.332572	0	0	1.783457	0	0	0	0	0.75462	-1.62407	1.193207	0.173483	NaN	Low	1.139549	0.369691
43 TTAGTGCACTACA	2990.433	837.7404	378.755	1027.427	1475.171	156.7598	1201.879	179.1126	321.8335	868.5406	207.7851	1511.983	507.173	158.2315	490.2161	1901.76	204.9287	183.8762	67.02929	9.598866	734.0117	-3.67511	0.829433	9.39E-06	0.000331	OK	1361.442	106.5814
43 TTAGTGCACTACA	38.3256	37.73605	10.3972	25.94514	73.06271	12.84916	38.46844	3.558529	9.396599	9.738987	11.90436	98.60756	20.95206	8.288315	6.897512	27.34634	2.382892	2.645701	0	0	21.92516	-4.76876	1.023695	3.19E-06	0.000185	OK	42.29869	1.551625
43_TTCGTTCGGCTCG	0	0	1.485314	1.297257	3.479177	2.569832	3.119063	2.372353	0	0	0	0	1.995435	0	0.492679	0	0	1.322851	13.18609	0	1.566003	1.960372	1.136655	0.084584	NaN	Low	0.640279	2.491726
43 TTCGTTCGGCTCG	0	0	2.970628	1.297257	0	0	0	3.558529	0	0	0	0	0.997717	0	0	0	0	0	9.889567	0	0.935685	1.709357	1.178248	0.146846	NaN	Low	0.438245	1.433125
44 AGTCATACACGGC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.322851	28.56986	0	1.494636	3.922569	1.703741	0.021317	NaN	Low	0.184935	2.804336
44 ATCACACAAAGGC	0	0	0	0	0	2.569832	0	0	0	0	0	0	0	0.376742	0	0	0	0	7.691886	0	0.531923	2.314664	1.718607	0.178036	NaN	Low	0.178053	0.885793
44 ATCACATTGCCAG	2.071654	1.509442	25.25033	2.594514	0	5.139665	2.079375	0	1.174575	0.885362	0	1.992072	2.328007	0.376742	0	2.972429	1.191446	1.322851	1.098841	1.599811	2.679356	-0.69523	1.064505	0.513692	NaN	Low	3.31273	2.045982
44 ATCACATTGCCAG	3.107481	3.018884	7.426569	2.594514	3.479177	0	2.079375	0	5.872875	2.656087	1.082214	1.992072	2.66058	0.376742	0.985359	3.566914	0	0	4.395363	3.199622	2.424691	0.649051	0.817763	0.427376	NaN	Low	1.888289	2.961094
44 ATCACATTGCCAG	1.035827	15.09442	4.455941	7.783541	0	10.27933	13.51594	4.744705	3.523725	7.0829	4.328857	6.972252	8.646884	4.144157	4.926795	5.944857	7.148676	1.322851	4.395363	4.39948	5.987325	-0.45911	0.632736	0.468083	NaN	Low	6.932051	5.042599
44 ATCACATTGCCAG	4.143309	24.15107	8.911883	15.56708	3.479177	25.69832	12.47625	14.23412	9.396599	14.1658	8.657714	14.94054	18.29148	6.404607	8.86823	11.29523	20.25458	11.90566	9.889567	6.399244	12.45652	-0.66879	0.51671	0.195557	0.332446	OK	15.29312	9.619926
44 ATCACATTGCCAG	11.3941	107.1704	13.36782	24.64788	90.45859	141.3408	44.70657	66.42588	30.53895	58.43392	33.54864	56.77405	87.46655	58.39494	69.4678	26.15737	181.0998	83.33959	30.76754	43.59485	62.9548	-0.74206	0.663265	0.263228	0.409374	OK	78.79758	47.11202
44_ATCACATTGCCAG	0	16.60386	4.455941	6.486284	13.91671	5.139665	10.39688	3.558529	3.523725	7.968262	3.246643	4.98018	9.977173	7.911573	5.419474	4.755886	22.63747	13.22851	0	3.599575	7.390317	-1.62891	0.789607	0.039119	NaN	Low	11.16925	3.611384
44 ATCACATTGCCAG	0	10.56609	2.970628	3.891771	3.479177	10.27933	4.158751	3.558529	3.523725	2.656087	0	2.988108	5.321159	1.883708	2.956077	1.783457	7.148676	3.968552	1.098841	2.399716	3.731619	-0.84175	0.781426	0.281395	NaN	Low	4.790367	2.672872
44 ATCACATTGCCAG	0	6.037769	1.485314	0	0	10.27933	2.079375	3.558529	2.34915	2.656087	0	4.98018	3.990869	3.013933	2.463397	2.972429	10.72301	0	2.197682	0	2.939353	-1.36044	0.99737	0.17256	NaN	Low	4.230915	1.647791
44_ATCACATTGTCAG	52.82718	342.6434	152.9873	156.9681	76.54189	156.7598	37.42876	41.51617	82.22024	23.01942	28.13757	30.87711	55.87217	22.60449	13.79502	19.02354	25.02037	6.614253	3.296522	6.799197	66.74762	-3.13453	0.864062	0.000286	0.003318	OK	119.848	13.64721
44 ATCACATTGTCAG	4.143309	15.09442	5.941255	9.080798	0	10.27933	7.277814	3.558529	3.523725	0.885362	1.082214	2.988108	1.995435	1.130225	0.985359	0.594486	2.382892	1.322851	0	0	3.613306	-3.28601	1.108622	0.003036	NaN	Low	6.554627	0.671985
44 ATTACATTGCCAG	3.107481	15.09442	11.88251	2.594514	3.479177	2.569832	2.079375	3.558529	2.34915	0	1.082214	0.996036	2.328007	1.883708	0	0.594486	0	1.322851	0	0	2.746115	-2.81183	1.140331	0.013671	NaN	Low	4.80756	0.684669
44_ATTACATTGCCAG	1.035827	13.58498	0	2.594514	3.479177	7.709497	2.079375	3.558529	4.6983	0	0	1.992072	1.662862	0.376742	0.492679	1.188971	0	1.322851	0	0	2.288819	-2.6221	1.151683	0.022801	NaN	Low	3.937987	0.63965
44 CAAGCTCGTGTCT	3.107481	1.509442	2.970628	1.297257	3.479177	0	0	0	0	1.770725	2.164428	0	1.662862	0.376742	0	1.783457	0	1.322851	13.18609	2.799669	1.87154	2.336635	0.903092	0.009671	NaN	Low	0.618565	3.124516
44 CAAGCTCGTGTCT	0	3.018884	5.941255	1.297257	6.958353	0	1.039688	0	0	1.770725	1.082214	0.996036	0.997717	0	0	2.972429	0	0	6.593045	5.599338	1.913347	1.78161	1.008397	0.077266	NaN	Low	0.862238	2.964456
44 CAAGCTCGTGTCT	5.179136	3.018884	1.485314	1.297257	3.479177	0	2.079375	1.186176	0	0.885362	0	0	1.33029	1.130225	1.970718	2.972429	4.765784	5.291402	4.395363	1.599811	2.103335	0.435276	0.827162	0.598729	NaN	Low	1.788421	2.418249
44 CAAGCTCGTGTCT	2.071654	1.509442	1.485314	0	10.43753	0	0	3.558529	3.523725	1.770725	1.082214	0	0.997717	1.506966	2.956077	2.377943	5.95723	6.614253	12.08725	4.39948	3.116802	1.57374	0.785431	0.045106	NaN	Low	1.567511	4.666094
44 CAAGCTCGTGTCT	1.035827	0	2.970628	0	3.479177	2.569832	2.079375	1.186176	0	1.770725	4.328857	0	0.332572	0.753483	1.478038	2.972429	3.574338	0	10.98841	2.799669	2.115977	1.848919	0.846208	0.028893	NaN	Low	0.91953	3.312424
44_CAAGCTCGTGTCT	0	0	0	0	6.958353	2.569832	2.079375	1.186176	0	0.885362	0	0	1.662862	0	1.478038	1.188971	0	1.322851	4.395363	3.199622	1.34634	1.663047	0.976583	0.088582	NaN	Low	0.646215	2.046465
44 CAAGCTCGTGTCT	2.071654	1.509442	1.485314	0	3.479177	0	1.039688	0	1.174575	0.885362	0	0	1.33029	0	0.492679	3.566914	1.191446	0	4.395363	1.599811	1.211086	1.235824	0.961842	0.198844	NaN	Low	0.721925	1.700247
44 CAGTGCAATATTA	0	0	0	0	0	0	0	0	0	0	0	0	0.665145	0.376742	0	0	0	0	1.098841	3.599575	0.287015	2.581733	1.191751	0.030286	NaN	Low	0.082162	0.491868
44_CAGTGCAATGATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0	0	0	0	0	2.799669	0.158821	1.726832	1.638715	0.291987	NaN	Low	0.073699	0.243942
44 TACTAGACTGAAG	10.35827	9.056653	10.3972	6.486284	10.43753	5.139665	3.119063	3.558529	1.174575	7.968262	8.657714	9.960359	9.312028	3.390674	3.448756	5.944857	2.382892	0	5.494204	2.399716	5.934362	-0.65915	0.67832	0.331178	NaN	Low	7.266936	4.601787
44 TACTAGACTGAAG	81.83035	57.3588	60.89787	29.83691	62.62518	69.38548	31.19063	40.33	29.36437	58.43392	88.74157	57.77008	68.17735	48.22292	49.76063	111.1688	57.18941	58.20542	72.52349	30.79636	58.19048	-0.20929	0.417906	0.616501	0.732373	OK	62.40398	53.97698
44_TACTAGACTGAAG	32.11064	34.71717	16.33845	25.94514	55.66683	41.11732	12.47625	33.21294	27.01522	18.59261	44.37078	25.89693	59.53047	37.67416	72.91656	108.1964	46.4664	41.00837	39.55827	26.39688	39.96039	-0.30504	0.545679	0.576149	0.701337	OK	44.16935	35.75143
44 TACTAGACTGAAG	70.43625	72.45322	106.9426	37.62045	163.5213	107.933	47.82563	78.28764	57.55417	65.51682	109.3036	62.75026	89.46199	73.84135	78.33603	159.9167	95.31568	137.5765	128.5644	51.5939	89.73757	0.001808	0.438499	0.99671	0.997722	OK	89.68133	89.79381
44 TACTAGACTGAAG	15.53741	13.58498	1.485314	1.297257	27.83341	15.41899	0	11.86176	9.396599	7.968262	8.657714	4.98018	15.96348	11.67899	15.27306	14.86214	11.91446	9.259954	27.47102	11.99858	11.82218	0.783505	0.662408	0.236883	0.384789	OK	8.688603	14.95575
44 TACTAGACTGAAG	0	1.509442	0	0	0	0	1.039688	1.186176	0	0	0	0	1.662862	0	0.985359	3.566914	2.382892	0	4.395363	0.799905	0.87643	1.177437	1.12017	0.293202	NaN	Low	0.537399	1.215461
44_TACTAGACTGAAG	8.286617	24.15107	14.85314	11.67531	31.31259	33.40782	15.59531	23.72353	7.04745	7.0829	24.89093	11.95243	23.94522	6.781348	7.882871	28.53532	10.72301	23.81131	41.75595	6.799197	18.21067	0.429081	0.607069	0.479686	0.620914	OK	15.52238	20.89895
44 TACTAGACTGAAG	0	3.018884	0	0	3.479177	0	1.039688	1.186176	0	0	2.164428	0	2.66058	0.376742	0	1.188971	1.191446	0	6.593045	1.599811	1.224947	1.689054	1.022871	0.09868	NaN	Low	0.579932	1.869963
44_TACTAGACTGAAG	9.322444	22.64163	4.455941	12.97257	24.35424	12.84916	14.55563	10.67559	11.74575	12.39507	33.54864	21.91279	30.26409	18.46034	18.22914	22.59046	26.21181	9.259954	26.37218	9.198913	17.60082	-0.05136	0.516339	0.92076	0.951645	OK	17.9141	17.28753
44_TACTAGACTGAAG	16.57323	3.018884	2.970628	2.594514	10.43753	2.569832	1.039688	5.930882	3.523725	0.885362	1.082214	0.996036	2.328007	1.130225	0	2.377943	0	1.322851	0	0	2.939078	-2.94479	1.13152	0.009255	NaN	Low	5.202476	0.67568
44 TATTAGACTGAAG	3.107481	1.509442	1.485314	6.486284	6.958353	0	0	2.372353	3.523725	0.885362	0	1.992072	0.997717	0.753483	0	2.972429	0	0	1.098841	0.399953	1.72714	-0.94789	1.046653	0.365127	NaN	Low	2.274963	1.179318
44_TCCCCCAGGTGTG	0	3.018884	4.455941	0	10.43753	0	0	2.372353	1.174575	1.770725	1.082214	0	0.997717	0.376742	1.478038	3.566914	0	0	1.098841	0.799905	1.631519	-0.493	1.0439	0.636736	NaN	Low	1.9076	1.355438
44_TCCCCCAGGTGTG	4.143309	16.60386	16.33845	2.594514	6.958353	10.27933	5.198438	10.67559	8.222024	5.312175	1.082214	0.996036	5.653732	2.260449	8.375551	19.02354	10.72301	6.614253	3.296522	7.599102	7.597523	-0.39912	0.725446	0.582199	NaN	Low	8.641802	6.553244
44 TCCCCCAGGTGTG	1.035827	3.018884	2.970628	0	0	2.569832	0	4.744705	1.174575	1.770725	0	0	1.662862	1.506966	3.941436	2.377943	4.765784	0	0	0.399953	1.597006	-1.82362	1.075304	0.089902	NaN	Low	2.490438	0.703574
44_TCCCCCAGGTGTG	19.68072	43.77382	37.13284	31.13417	10.43753	10.27933	16.635	36.77147	24.66607	26.56087	12.98657	18.92468	36.58297	16.19989	33.00952	51.72026	63.14664	34.39411	20.87798	18.79778	28.18561	-0.54992	0.509573	0.280508	0.428143	OK	33.49334	22.87788
44_TCCCCCAGGTGTG	7.25079	7.547211	7.426569	3.891771	6.958353	7.709497	2.079375	9.489411	7.04745	7.0829	2.164428	0.996036	6.651449	1.506966	6.404833	6.539343	28.59471	29.10271	30.76754	9.998818	9.460508	1.159426	0.761513	0.127876	NaN	Low	5.851223	13.06979
44 TCCCCCAGGTGTG	1.035827	1.509442	4.455941	0	0	2.569832	0	4.744705	0	0.885362	0	0	1.995435	2.260449	3.941436	1.188971	0	0	9.889567	3.599575	1.903827	1.798969	0.947347	0.05757	NaN	Low	0.849977	2.957677
44 TCCCCCAGGTGTG	2.071654	0	0	0	0	2.569832	0	1.186176	2.34915	0.885362	0	0	2.993152	0.376742	0.985359	1.188971	9.531568	1.322851	8.790727	1.999764	1.812565	1.4638	1.000877	0.1436	NaN	Low	0.964557	2.660574
44_TGCCCTGTGGACT	1.035827	1.509442	1.485314	6.486284	13.91671	28.26816	1.039688	2.372353	4.6983	7.968262	1.082214	1.992072	1.995435	1.130225	0	4.1614	2.382892	3.968552	0	2.399716	4.394642	-1.23837	0.994419	0.213013	NaN	Low	6.1729	2.616383
45 ACTAGACTGAAGC	9.322444	7.547211	5.941255	6.486284	6.958353	15.41899	1.039688	2.372353	3.523725	3.54145	12.98657	7.968287	5.321159	3.013933	2.463397	11.88971	3.574338	3.968552	18.68029	4.799433	6.840872	0.814404	0.649014	0.209539	NaN	Low	4.95972	8.722024
45 AGTGCACTACAGA	339.7513	73.96266	114.3692	162.1571	104.3753	7.709497	214.1757	24.9097	62.25247	156.7092	36.79528	267.9337	86.46884	20.72079	66.51173	244.9281	28.59471	59.52828	13.18609	2.799669	104.392	-3.26932	0.820664	6.78E-05	0.001216	OK	189.1649	19.61902
45_AGTGCACTACAGA	58.00632	13.58498	19.30908	27.24239	31.31259	5.139665	54.06376	3.558529	11.74575	37.18522	7.5755	34.86126	13.63547	6.027865	13.79502	38.64157	10.72301	6.614253	15.38377	1.199858	20.48029	-1.27113	0.795237	0.109949	0.227025	OK	28.961	11.99959
45 AGTGCACTACAGA	15.53741	7.547211	0	12.97257	13.91671	0	22.87313	4.744705	4.6983	10.62435	4.328857	45.81765	8.314311	1.883708	7.390192	8.917286	0	1.322851	0	0	8.544462	-3.75592	1.083387	0.000527	NaN	Low	15.91116	1.17776
45 AGTGCACTACAGA	10.35827	4.528326	2.970628	3.891771	3.479177	5.139665	3.119063	0	0	5.312175	5.411071	12.94847	3.325724	1.130225	0.492679	7.728315	1.191446	3.968552	1.098841	0.799905	3.844715	-1.71169	0.941031	0.068918	NaN	Low	5.890922	1.798508
45_AGTGCACTACAGA	5.179136	0	4.455941	3.891771	0	0	5.198438	0	2.34915	3.54145	4.328857	10.9564	3.658297	0.376742	0.985359	1.188971	0	0	0	0	2.305525	-2.74685	1.144224	0.016367	NaN	Low	4.013185	0.597866
45 CAACACCAGTCGA	6.214963	0	2.970628	6.486284	0	15.41899	1.039688	1.186176	1.174575	1.770725	4.328857	1.992072	3.990869	2.637191	0	1.188971	2.382892	1.322851	2.197682	0.399953	2.835169	-1.04771	0.958483	0.274353	NaN	Low	3.821664	1.848673
45 CAACACCAGTCGA	1.035827	0	0	0	0	0	1.039688	1.186176	0	2.656087	0	0	1.662862	0.753483	9.36091	0.594486	2.382892	1.322851	0	0.399953	1.119761	-1.37268	1.15579	0.234971	NaN	Low	1.615613	0.623908
45_CAACACCAGTCGA	0	0	0	1.297257	0	2.569832	0	0	0	1.770725	1.082214	0.996036	0	0.753483	3.941436	4.1614	1.191446	0	0	0	0.888191	-1.84789	1.188983	0.120142	NaN	Low	1.390191	0.386192
45 CAACACCAGTCGA	0	1.509442	0	0	0	2.569832	1.039688	1.186176	0	0	4.328857	0	1.662862	0.376742	1.970718	1.783457	2.382892	1.322851	0	0.399953	1.026673	-1.33823	1.113715	0.229521	NaN	Low	1.471401	0.581946
45 CAACACCAGTCGA	8.286617	6.037769	14.85314	14.26983	6.958353	12.84916	11.43656	9.489411	5.872875	14.1658	9.739928	3.984144	6.984021	9.418539	14.78038	8.3228	8.340122	1.322851	4.395363	2.399716	8.695369	-1.47558	0.585236	0.011691	NaN	Low	12.79117	4.599571
45_CAATGTTTCCACA	2.071654	0	0	2.594514	0	0	1.039688	0	0	0	0	0	1.662862	0	0.985359	0	0	1.322851	2.197682	0.799905	0.633726	0.852479	1.150175	0.458588	NaN	Low	0.451758	0.815694
45 CAATGTTTCCACA	0	0	0	0	0	0	0	0	0	0.885362	1.082214	1.992072	2.328007	1.130225	0.492679	0	0	0	1.098841	0	0.45047	-0.10595	1.191176	0.929125	NaN	Low	0.467004	0.433936
45 CCCCCAGGTGTGA	1.035827	3.018884	0	0	0	0	0	1.186176	0	0	0	0	1.995435	1.506966	1.970718	1.783457	1.191446	1.322851	0	1.599811	0.830579	0.004109	1.071171	0.99694	NaN	Low	0.829396	0.831761
45_CCCCCAGGTGTGA	2.071654	0	1.485314	0	10.43753	0	0	3.558529	1.174575	0.885362	1.082214	2.988108	2.328007	1.883708	4.434115	5.350372	2.382892	5.291402	9.889567	1.999764	2.862156	1.045643	0.811345	0.197476	NaN	Low	1.868073	3.856238
45 CCCCCAGGTGTGA	12.42993	1.509442	4.455941	7.783541	13.91671	2.569832	1.039688	8.303235	2.34915	3.54145	2.164428	6.972252	6.651449	3.390674	12.31699	7.133829	13.10591	27.77986	14.28493	19.99764	8.584843	1.081238	0.708762	0.127127	NaN	Low	5.510431	11.65926
45 CCCCCAGGTGTGA	2.071654	0	1.485314	2.594514	0	0	1.039688	1.186176	1.174575	0	0	3.984144	0.997717	1.130225	0.492679	1.188971	1.191446	0	2.197682	1.999764	1.136727	0.794122	0.875291	0.364266	NaN	Low	0.831542	1.441912
45_CCCCCAGGTGTGA	2.071654	3.018884	0	2.594514	0	0	2.079375	0	0	0	0	0	2.328007	0.753483	2.956077	0	5.95723	2.645701	0	0.799905	1.260242	-0.97143	1.130176	0.390046	NaN	Low	1.669192	0.851291
45 CGAATGTTGCTCG	0	0	0	0	0	0	0	0	0	0	0	0	0.332572	0	0	0	0	0	10.98841	0	0.566049	3.24788	1.720743	0.059095	NaN	Low	0.107822	1.024276
45 CGAATGTTGCTCG	10.35827	4.528326	0	6.486284	3.479177	20.55866	2.079375	3.558529	5.872875	0	2.164428	3.984144	5.986304	13.18596	15.76574	12.4842	8.340122	23.81131	1134.004	1.199858	63.89236	5.146123	0.962732	NaN	NaN	Outlier	3.509515	124.2752
45_CGGGGCAGCTCA	0	0	0	0	0	0	1.039688	0	0	0	0	0	0.332572	0	0	0.594486	0	0	2.197682	2.799669	0.348205	2.669843	1.180672	0.023741	NaN	Low	0.094575	0.601835
45 CGGGGCAGCTCA	0	0	0	0	0	2.569832	2.079375	3.558529	0	0	0	0	0	0.376742	1.478038	1.188971	0	0	0	4.799433	0.802546	1.248682	1.184322	0.291726	NaN	Low	0.475408	1.129684
45 CTTTCAGTCAGAT	2.071654	1.509442	1.485314	0	0	0	1.039688	0	1.174575	4.426812	4.328857	3.984144	4.988587	1.883708	0.492679	7.728315	1.191446	0	0	1.999764	1.915249	-0.70522	1.001715	0.481427	NaN	Low	2.374251	1.456247
45_CTTTCAGTCAGAT	2.071654	1.509442	1.485314	3.891771	0	0	0	2.372353	0	5.312175	2.164428	1.992072	6.651449	1.506966	2.463397	5.350372	3.574338	0	1.098841	1.199858	2.132222	-0.89938	0.918752	0.327619	NaN	Low	2.776122	1.488321
45 CTTTCAGTCAGAT	7.25079	27.16996	7.426569	9.080798	20.87506	7.709497	13.51594	14.23412	11.74575	15.05116	29.21978	23.90486	39.90869	19.21382	18.72182	23.18494	11.91446	7.937103	4.395363	3.199622	15.78301	-2.07858	0.621674	0.000827	0.006971	OK	25.52342	6.042593
45 CTTTCAGTCAGAT	0	4.528326	1.485314	2.594514	0	0	2.079375	0	1.174575	1.770725	3.246643	1.992072	5.653732	1.130225	0.492679	3.566914	0	0	0	2.399716	1.605741	-0.27934	0.9954	0.77899	NaN	Low	1.760714	1.450767
45_CTTTCAGTCAGAT	0	3.018884	4.455941	2.594514	0	0	4.158751	2.372353	2.34915	4.426812	2.164428	3.984144	4.656014	2.260449	2.463397	2.377943	0	0	1.098841	0	2.119081	-2.06712	0.995127	0.037779	NaN	Low	3.421639	0.816524
45 GCCCTGTGGACTC	2.071654	7.547211	23.76502	11.67531	17.39588	12.84916	3.119063	16.60647	8.222024	6.197537	2.164428	2.988108	1.33029	1.130225	1.478038	4.755886	3.574338	5.291402	3.296522	10.39877	7.292867	0.036932	0.815929	0.963897	NaN	Low	7.199525	7.38621
45 GGAGACTGATGA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12.08725	1.599811	0.684353	4.661969	1.611708	0.003821	NaN	Low	0.052011	1.316695
45_GGAGACTGATGA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.494204	0.799905	0.314705	3.527049	1.706242	0.038721	NaN	Low	0.050241	0.57917
45 GTACAGTACTGTG	9.322444	0	1.485314	0	3.479177	0	2.079375	0	0	4.426812	2.164428	6.972252	3.658297	1.506966	0.985359	0.594486	0	0	1.098841	1.199858	1.94868	-0.6138	1.055444	0.560865	NaN	Low	2.357077	1.540284
45 GTACAGTACTGTG	79.75869	30.18884	20.79439	15.56708	6.958353	10.27933	34.30969	5.930882	14.0949	112.441	42.20635	65.73837	63.85391	35.41371	17.73646	23.18494	13.10591	10.5828	19.77913	39.19537	33.05601	-0.16847	0.746848	0.821531	0.8849	OK	34.98388	31.12814
45_GTACAGTACTGTG	81.83035	30.18884	14.85314	28.53965	6.958353	2.569832	39.50813	8.303235	11.74575	80.56799	45.453	55.77801	67.51221	59.14843	31.03881	28.53532	4.765784	22.48846	29.6687	42.79494	34.61245	0.052081	0.746547	0.944383	0.967944	OK	33.98777	35.23712
45 GTACAGTACTGTG	215.452	76.98155	93.57477	71.34913	52.18765	51.39665	138.2785	36.77147	62.25247	335.5524	193.7163	202.1953	180.2543	181.5894	135.4869	113.5468	97.69858	103.1823	80.21538	175.5793	129.8631	-0.02521	0.579996	0.965331	0.974224	OK	130.9976	128.7285
45 GTACAGTACTGTG	163.6607	46.79271	66.83912	29.83691	69.58353	35.97765	94.61158	37.95764	41.11012	214.2577	108.2214	76.69477	121.3889	136.0037	105.9261	88.57837	77.44399	83.33959	96.69799	139.5835	91.7253	0.383906	0.536241	0.474041	0.617443	OK	79.59262	103.858
45_GTACAGTACTGTG	33.14647	16.60386	16.33845	6.486284	10.43753	7.709497	14.55563	7.117058	7.04745	15.05116	17.31543	12.94847	23.28007	26.74865	24.63397	23.18494	5.95723	14.55136	17.58145	27.59674	16.41459	0.465631	0.517481	0.368225	0.514264	OK	13.78843	19.04074
45 GTACAGTACTGTG	16.57323	15.09442	5.941255	9.080798	6.958353	7.709497	10.39688	4.744705	4.6983	12.39507	10.82214	16.93261	10.64232	7.15809	9.36091	2.972429	2.382892	1.322851	7.691886	6.399244	8.463894	-0.30065	0.599039	0.615745	NaN	Low	9.342636	7.585153
45 GTACAGTACTGTG	15.53741	1.509442	11.88251	3.891771	3.479177	7.709497	11.43656	4.744705	7.04745	28.3316	10.82214	2.988108	8.314311	7.911573	6.897512	2.377943	16.68024	7.937103	2.197682	21.9974	9.184707	0.442954	0.716472	0.536415	NaN	Low	7.78568	10.58373
45_GTACAGTACTGTG	13.46575	4.528326	4.455941	1.297257	3.479177	2.569832	4.158751	2.372353	4.6983	7.968262	4.328857	9.960359	11.30746	5.651124	6.404833	5.944857	14.29735	0	4.395363	6.399244	5.88417	-0.1554	0.667987	0.816045	NaN	Low	6.200765	5.567576
45 GTACAGTACTGTG	0	0	0	0	0	0	0	0	1.174575	2.656087	1.082214	0	2.328007	1.506966	0	0	2.382892	0	0	1.199858	0.61653	-0.01671	1.188836	0.988783	NaN	Low	0.620101	0.612959
45 TAAAAACTGCAAT	0	0	0	0	0	0	0	0	0	0	0	0	0	2.260449	0	0	0	0	0	0	0.113022	-0.14519	0.657256	0.825173	NaN	Low	0.118705	0.10734
45 TACAGTAGTCTGC	2.071654	1.509442	2.970628	14.26983	3.479177	5.139665	2.079375	2.372353	9.396599	7.968262	2.164428	2.988108	2.993152	4.89764	3.448756	0.594486	1.191446	5.291402	0	1.599811	3.821311	-1.66244	0.877762	0.058231	NaN	Low	5.807886	1.834735
45 TACAGTAGTCTGC	2.071654	1.509442	4.455941	7.783541	3.479177	0	3.119063	0	4.6983	9.738987	4.328857	3.984144	0.665145	4.144157	2.956077	1.783457	2.382892	2.645701	1.098841	2.399716	3.162255	-0.70824	0.810337	0.382114	NaN	Low	3.923232	2.401277
45 TACAGTAGTCTGC	54.89884	27.16996	66.83912	89.51073	38.27094	87.3743	20.79375	21.35117	66.95077	61.09001	42.20635	49.8018	44.56471	51.6136	48.77527	43.39746	27.40326	41.00837	30.76754	21.59745	46.76927	-0.88474	0.443422	0.046014	0.124986	OK	60.67691	32.86163
45 TACAGTAGTCTGC	3.107481	0	2.970628	10.37806	3.479177	5.139665	1.039688	7.117058	8.222024	5.312175	5.411071	0.996036	3.325724	6.027865	3.941436	4.1614	3.574338	9.259954	1.098841	1.999764	4.328119	-1.29576	0.746539	0.082618	NaN	Low	6.150861	2.505377
45 TACTGCCCTAAAT	2.071654	0	1.485314	0	0	0	0	1.186176	0	0	0	0.996036	0.332572	0	0	2.972429	0	0	0	0	0.452209	-1.19627	1.181926	0.311475	NaN	Low	0.629641	0.274777
45 TATAGTAGTCTGC	6.214963	1.509442	2.970628	2.594514	3.479177	2.569832	0	1.186176	3.523725	0	0	0.996036	0.665145	1.130225	0.985359	0.594486	2.382892	0	0	0.399953	1.560128	-1.67075	1.08183	0.122497	NaN	Low	2.374462	0.745793
45 TCTGCACTACAGA	11.3941	1.509442	0	5.189028	3.479177	0	2.079375	0	0	6.197537	1.082214	11.95243	0.665145	0	4.434115	5.350372	1.191446	0	1.098841	0	2.781161	-1.61149	1.125061	0.152042	NaN	Low	4.190829	1.371493
45 TCTGCACTACAGA	3.107481	0	0	0	0	0	1.039688	1.186176	1.174575	3.54145	1.082214	1.992072	0.332572	1.130225	0.985359	4.1614	0	1.322851	1.098841	0	1.107745	-1.17029	1.079191	0.278181	NaN	Low	1.533921	0.68157
46 AAACATTCGCGGT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.889567	0	0.494478	3.224236	1.713588	0.059894	NaN	Low	0.095595	0.893362
46 AACACCAGTCGAT	0	1.509442	7.426569	5.189028	0	2.569832	0	2.372353	1.174575	1.770725	2.164428	2.988108	0.997717	1.506966	4.926795	1.783457	1.191446	1.322851	3.296522	0	2.109541	-0.58642	0.931892	0.529165	NaN	Low	2.532473	1.686608
46 AATCATTCACGGA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19.77913	0	0.988957	4.146037	1.716741	0.015733	NaN	Low	0.105746	1.872168
46 ACAGTAGTCTGCA	8.286617	3.018884	14.85314	18.1616	3.479177	10.27933	2.079375	1.186176	12.92032	7.968262	7.5755	7.968287	6.984021	7.15809	7.390192	5.350372	5.95723	3.968552	6.593045	4.39948	7.278882	-0.45574	0.598288	0.446211	NaN	Low	8.419109	6.138656
46 ACAGTAGTCTGCA	182.3056	83.01932	279.239	256.8569	66.10436	203.0168	69.65907	73.54293	212.5981	152.2823	108.2214	166.338	125.7124	161.6221	152.238	98.68463	58.38086	125.6708	84.61074	71.99149	136.6047	-0.83528	0.481119	0.082544	0.188398	OK	175.0809	98.12853
46 ACAGTAGTCTGCA	7.25079	12.07554	19.30908	22.05337	6.958353	25.69832	10.39688	21.35117	28.1898	20.36334	17.31543	14.94054	18.95663	33.53	31.53149	17.83457	25.02037	22.48846	9.889567	13.99835	18.9576	-0.69417	0.453112	0.125523	0.24671	OK	23.43242	14.48278
46 ACAGTAGTCTGCA	3.107481	0	1.485314	10.37806	3.479177	7.709497	2.079375	8.303235	5.872875	3.54145	3.246643	2.988108	2.328007	8.665056	5.912153	4.1614	9.531568	9.259954	2.197682	3.199622	4.872333	-0.77936	0.702565	0.267298	NaN	Low	6.15728	3.587385

46 ACTGCCCTAAGTG	5.179136	1.509442	4.455941	5.189028	6.958353	0	0	1.186176	3.523725	0.885362	2.164428	0.996036	0.332572	3.767416	0.985359	2.972429	2.382892	0	7.691886	7.999055	2.908962	1.618041	0.766288	0.034727	NaN	Low	1.429613	4.38831
46 ACTGCCCTAAGTG	2.071654	3.018884	0	1.297257	0	0	1.039688	2.372353	1.174575	1.770725	0	0	0.997717	1.130225	0.985359	4.1614	0	0	0	3.199622	1.160973	0.483063	0.975974	0.620632	NaN	Low	0.968402	1.353544
46 ATAGTAGTCTGCA	18.64489	10.56609	35.64753	12.97257	0	12.84916	5.198438	2.372353	8.222024	2.656087	2.164428	2.988108	1.662862	4.144157	2.463397	1.783457	1.191446	0	0	0	6.27635	-3.53836	1.095849	0.001243	NaN	Low	11.55792	0.994783
46 ATAGTAGTCTGCA	5.179136	7.547211	10.3972	9.080798	0	2.569832	1.039688	0	10.57117	1.770725	1.082214	0.996036	1.995435	1.883708	0.492679	1.188971	1.191446	2.645701	0	0.399953	3.001595	-2.36589	1.062702	0.025995	NaN	Low	5.027806	0.975385
46 ATAGTAGTCTGCA	1.035827	3.018884	0	6.486284	0	0	1.039688	1.186176	2.34915	0.885362	2.164428	2.988108	0.997717	0.376742	0	0.594486	0	0	0	0	1.156143	-2.2437	1.171865	0.055538	NaN	Low	1.909175	0.403111
46 CAATTTAGTGTGT	2.071654	0	0	1.297257	3.479177	0	1.039688	0	0	3.54145	1.082214	1.992072	0.665145	1.130225	0.492679	0	0	1.322851	6.593045	1.599811	1.315363	1.658367	0.915055	0.069938	NaN	Low	0.632905	1.997822
46 CACCCGGCTGTGT	2.071654	6.037769	2.970628	3.891771	13.91671	7.709497	4.158751	8.303235	7.04745	4.426812	3.246643	17.92865	4.323442	4.89764	9.853589	5.350372	3.574338	5.291402	2.197682	2.799669	5.999885	-1.14986	0.672672	0.08738	NaN	Low	8.271879	3.727891
46 CACCCGGCTGTGT	3.107481	9.056653	5.941255	1.297257	13.91671	5.139665	0	9.489411	5.872875	4.426812	5.411071	17.92865	4.988587	7.15809	10.83895	4.1614	5.95723	1.322851	6.593045	1.199858	6.190392	-0.75536	0.757417	0.318626	NaN	Low	7.774929	4.605855
46 CACCCGGCTGTGT	3.107481	16.60386	4.455941	5.189028	10.43753	5.139665	2.079375	7.117058	3.523725	0.885362	6.493285	17.92865	3.325724	4.89764	7.882871	5.350372	4.765784	7.937103	1.098841	2.799669	6.050948	-1.37996	0.748223	0.065138	NaN	Low	8.74269	3.359207
46 CACCCGGCTGTGT	3.107481	9.056653	4.455941	6.486284	17.39588	5.139665	3.119063	9.489411	7.04745	1.770725	3.246643	15.93657	6.651449	10.54876	7.390192	3.566914	10.72301	3.968552	5.494204	2.799669	6.869727	-0.77395	0.644399	0.229737	NaN	Low	8.669435	5.070018
46 CACCCGGCTGTGT	6.214963	6.037769	7.426569	0	10.43753	7.709497	1.039688	11.86176	4.6983	3.54145	1.082214	21.91279	6.318876	6.404607	11.33163	3.566914	4.765784	6.614253	3.296522	1.199858	6.273049	-1.46403	0.804659	0.068844	NaN	Low	9.208284	3.337813
46 CACCCGGCTGTGT	0	3.018884	0	0	0	2.569832	0	0	1.174575	0.885362	0	0	0.665145	2.260449	2.463397	0.594486	7.148676	0	1.098841	0.399953	1.11398	-0.49737	1.122759	0.657771	NaN	Low	1.304125	0.923835
46 CACCCGGCTGTGT	0	7.547211	0	1.297257	0	0	0	1.186176	0	0	0	0	0.997717	1.130225	3.448756	1.188971	2.382892	2.645701	0	0.399953	1.111243	-1.29777	1.154227	0.260859	NaN	Low	1.579868	0.642618
46 CACCCGGCTGTGT	4.143309	9.056653	2.970628	2.594514	3.479177	2.569832	2.079375	7.117058	2.34915	0	3.246643	7.968287	2.66058	4.144157	2.956077	5.944857	5.95723	1.322851	3.296522	0.399953	3.712843	-1.23528	0.793869	0.119703	NaN	Low	5.211882	2.213803
46 CACCCGGCTGTGT	0	15.09442	4.455941	3.891771	0	2.569832	2.079375	4.744705	2.34915	1.770725	3.246643	3.984144	3.990869	3.390674	6.897512	5.944857	7.148676	5.291402	1.098841	3.599575	4.077456	-0.65662	0.738671	0.374048	NaN	Low	4.989654	3.165257
46 CACCCGGCTGTGT	2.071654	9.056653	1.485314	0	0	0	1.039688	3.558529	3.523725	2.656087	3.246643	10.9564	1.995435	3.390674	4.926795	7.133829	5.95723	1.322851	0	1.599811	3.196066	-1.51549	0.902558	0.093131	NaN	Low	4.735694	1.656437
46 CACCCGGCTGTGT	1.035827	13.58498	4.455941	2.594514	0	2.569832	1.039688	4.744705	2.34915	3.54145	2.164428	9.960359	4.323442	1.506966	3.448756	2.972429	7.148676	3.968552	4.395363	1.199858	3.850246	-0.59134	0.771189	0.443205	NaN	Low	4.628463	3.072029
46 CACCCGGCTGTGT	1.035827	16.60386	2.970628	2.594514	3.479177	12.84916	0	5.930882	2.34915	1.770725	1.082214	6.972252	2.993152	3.390674	3.448756	5.350372	1.191446	2.645701	2.197682	0.399953	3.962806	-1.52755	0.903769	0.09099	NaN	Low	5.884483	2.04113
46 CCTGTTCTCCATT/	15.53741	10.56609	10.3972	7.783541	3.479177	2.569832	4.158751	4.744705	4.6983	7.968262	5.411071	3.984144	5.321159	11.30225	5.912153	6.539343	14.29735	3.968552	5.494204	4.799433	6.946646	-0.4974	0.562024	0.376144	NaN	Low	8.132436	5.760857
46 CCTGTTCTCCATT/	0	0	1.485314	2.594514	0	0	0	1.186176	2.34915	0	2.164428	0.996036	1.33029	1.506966	2.463397	0.594486	0	0	0	0	0.833538	-2.12888	1.177201	0.07054	NaN	Low	1.356852	0.310224
46 CCTGTTCTCCATT/	5.179136	6.037769	8.911883	2.594514	3.479177	0	2.079375	5.930882	2.34915	6.197537	6.493285	4.98018	4.656014	10.92551	16.7511	2.377943	3.574338	1.322851	4.395363	1.199858	4.971793	-1.00282	0.772469	0.19422	NaN	Low	6.63337	3.310217
46 CTAGACTGAAGCT	14.50158	6.037769	16.33845	14.26983	0	12.84916	6.238126	1.186176	3.523725	7.0829	8.657714	13.9445	14.30062	3.013933	0.985359	9.511772	4.765784	1.322851	19.77913	6.399244	8.235431	0.643334	0.74625	0.388639	NaN	Low	6.429072	10.04179
46 CTAGACTGAAGCT	6.214963	3.018884	4.455941	1.297257	0	0	2.079375	1.186176	0	2.656087	7.5755	2.988108	1.995435	0.376742	3.448756	2.972429	1.191446	1.322851	0	1.999764	2.238986	-0.82304	0.904143	0.362668	NaN	Low	2.860864	1.617108
46 CTAGACTGAAGCT	79.75869	36.22661	66.83912	54.48479	17.39588	71.95531	33.27001	24.9097	21.14235	36.29986	64.93285	42.82955	59.1979	20.34405	24.14129	46.36989	34.55194	34.39411	68.12813	29.99646	43.35842	0.174074	0.483251	0.718686	0.814511	OK	40.7458	45.97105
46 CTAGACTGAAGCT	177.1264	108.6798	111.3985	85.61895	86.97942	64.24581	64.46064	81.84617	50.50672	139.0019	141.7701	88.6472	190.8966	82.5064	184.2621	357.8804	101.2729	121.7023	110.9829	99.18828	122.4487	-0.23985	0.510417	0.638417	0.752034	OK	132.604	112.2934
46 CTAGACTGAAGCT	36.25395	22.64163	13.36782	16.86434	34.79177	15.41899	17.67469	27.28206	19.96777	46.92421	33.54864	11.95243	48.55558	31.26955	51.73134	99.27912	21.44603	13.22851	20.87798	38.79542	31.09359	-0.06848	0.598069	0.908842	0.944276	OK	31.83139	30.35579
46 CTAGACTGAAGCT	6.214963	7.547211	1.485314	9.080798	3.479177	2.569832	2.079375	4.744705	2.34915	2.656087	5.411071	3.984144	8.314311	9.795281	20.69254	30.91326	3.574338	2.645701	4.395363	7.199149	6.956588	-0.29394	0.802433	0.714136	NaN	Low	7.662819	6.250358
46 CTAGACTGAAGCT	0	0	0	1.297257	3.479177	2.569832	1.039688	3.558529	0	0.885362	0	0	0	2.637191	0.985359	0.594486	0	1.322851	0	1.199858	0.978479	-0.259	1.110962	0.815656	NaN	Low	1.066077	0.890882
46 CTAGACTGAAGCT	627.7113	537.3614	352.0194	321.7197	661.0436	488.2682	429.391	400.9276	489.7977	677.3023	894.9912	691.2489	739.9737	605.047	992.2564	1250.203	854.2668	877.0499	893.3576	387.1542	658.5546	-0.04661	0.418314	0.911285	0.945818	OK	669.1912	647.9179
46 CTAGACTGAAGCT	154.3382	96.6043	62.38318	35.02594	149.6046	61.67598	50.9447	129.2932	66.95077	87.65089	160.1677	96.61549	163.9582	132.9898	266.5396	334.6955	122.7189	165.3563	115.3783	61.59272	125.7242	-0.529	0.569566	0.353001	0.498651	OK	148.5195	102.9289
46 CTAGACTGAAGCT	23.82402	12.07554	17.82377	10.37806	24.35424	20.55866	3.119063	15.42029	12.92032	12.39507	18.39764	11.95243	32.92467	18.0836	61.58493	65.98792	9.531568	21.16561	17.58145	13.19844	21.16386	-0.48685	0.669377	0.46703	0.610732	OK	24.70133	17.6264
46 CTAGACTGAAGCT	25.89568	13.58498	11.88251	2.594514	13.91671	38.54749	10.39688	33.21294	14.0949	14.1658	42.20635	17.92865	34.25496	15.82315	47.29723	47.55886	3.574338	33.07126	30.76754	12.39853	23.15866	-0.13284	0.674926	0.843965	0.899923	OK	24.22412	22.0932
46 CTAGACTGAAGCT	0	0	0	1.297257	3.479177	0	1.039688	0	1.174575	0	1.082214	0	1.995435	1.883708	3.941436	1.188971	0	1.322851	0	0	0.920266	-2.09384	1.1792	0.075792	NaN	Low	1.491207	0.349325
46 CTAGACTGAAGCT	2.071654	1.509442	0	0	0	0	0	1.186176	0	1.770725	2.164428	0.996036	2.993152	2.260449	3.941436	3.566914	2.382892	1.322851	2.197682	1.199858	1.478185	-0.09667	0.88269	0.912789	NaN	Low	1.527692	1.428678
46 CTAGACTGAAGCT	155.3741	175.0953	72.78038	63.56559	184.3964	190.1676	99.81002	129.2932	64.60162	162.0213	326.8287	270.9218	273.7071	149.5664	254.7153	291.8925	158.4623	146.8364	231.8554	84.78998	174.3341	-0.15372	0.514584	0.765145	0.845181	OK	183.6132	165.055
46 CTAGACTGAAGCT	9.322444	19.62275	4.455941	11.67531	17.39588	33.40782	20.79375	8.303235	7.04745	12.39507	34.63086	39.84144	26.6058	6.404607	17.24378	29.72429	9.531568	10.5828	16.48261	5.999291	17.07334	-0.64921	0.640798	0.310999	0.460822	OK	20.85128	13.29539
46 CTAGACTGAAGCT	263.1001	313.964	218.3411	191.994	274.855	249.2737	274.4775	162.5062	119.8066	267.3795	335.4864	358.5729	342.8822	173.3011	199.5352	391.7661	313.3503	239.436	299.9835	86.78974	253.8401	-0.42824	0.394552	0.277747	0.425908	OK	291.2404	216.4397
46 CTAGACTGAAGCT	12.42993	19.62275	4.455941	10.37806	17.39588	12.84916	13.51594	27.28206	5.872875	21.2487	22.7265	27.88901	27.60351	25.99517	30.54613	37.4526	27.40326	13.22851	14.28493	7.599102	18.989	-0.89183	0.54808	0.103698	0.219583	OK	24.67817	13.29983
46 CTAGACTGAAGCT	0	1.509442	0	1.297257	3.479177	7.709497	1.039688	2.372353	1.174575	0	5.411071	0.996036	2.66058	3.767416	3.941436	5.350372	2.382892	2.645701	4.395363	0.399953	2.52664	-0.24059	0.88064	0.7847	NaN	Low	2.73683	2.316451
46 CTAGACTGAAGCT	0	0	0	0	3.479177	0	0	0	0	0	0	2.988108	1.662862	0.376742	0	0.594486	0	0	0	0	0.455069	-1.04123	1.167326	0.372403	NaN	Low	0.612511	0.297627
46 CTAGACTGAAGCT	2.071654	6.037769	0	0	0	5.139665	3.119063	0	2.34915	0.885362	1.082214	6.972252	5.321159	8.665056	5.419474	8.917286	0	1.322851	1.098841	2.399716	3.040076	-0.69848	0.962203	0.467889	NaN	Low	3.761956	2.318195
46 CTAGACTGAAGCT	89.08114	86.0382	47.53004	72.64639	73.06271	66.81564	75.8972	24.9097	46.983	73.48509	126.6191	90.63927	119.7261	40.68809	41.87775	124.2475	65.52953	37.03982	83.5119	33.59603	70.99621	-0.31224	0.482186	0.51727	0.650249	OK	78.64925	63.34317
46 CTAGACTGAAGTT	24.85985	9.056653	14.85314	5.189028	3.479177	10.27933	2.079375	2.372353	1.174575	2.656087	2.164428	0.996036	4.323442	1.130225	1.970718	5.350372	2.382892	0	1.098841	1.599811	4.850817	-1.47638	0.946974	0.118984	NaN	Low	7.136757	2.564876
46 CTAGACTGAAGTT	35.21812	39.2455	37.13284	27.24239	31.31259	17.98883	12.47625	10.67559	27.01522	6.197537	15.151	8.964323	10.30975	4.520899	3.941436	20.807	4.765784	3.968552	14.28493	3.199622	16.72091	-0.92201	0.744841	0.215766	0.361197	OK	21.88927	11.55254
46 CTAGACTGAAGTT	9.322444	7.547211	0	9.080798	3.479177	2.569832	1.039688	0	1.174575	1.770725	3.246643	0	2.328007	1.130225	0.492679	0.594486	0	0	0	0.399953	2.208822	-1.90435	1.118233	0.088568	NaN	Low	3.486322	0.931322
46 CTGCCCTGGCCCG	0	3.018884	1.485314	1.297257	0	2.569832	1.039688	7.117058	4.6983	6.197537	2.164428	0.996036	2.328007	3.767416	0.492679	4.1614	4.765784	5.291402	30.76754	17.99787	5.007822	2.807388	0.658134	1.99E-05	NaN	Low	1.25193	8.763714
46_CTGCCCTGGCCCG	0	0	0	0	0	0	0	0	0	0.885362	0	0.996036	0	0.376742	1.478038	1.188971	0	1.322851	2.197682	1.999764	0.522272	1.683708	1.106011	0.127928	NaN	Low	0.247962	0.796583
46 CTGCCCTGGCCCG	0	0	1.485314	1.297257	0	0	1.039688	7.117058	1.174575	7.968262	0	0	4.323442	3.767416	1.478038	0.594486	4.765784	7.937103	19.77913	8.399007	3.556328	2.043663	0.939879	0.029676	NaN	Low	1.388402	5.724255
46 CTGCCCTGGCCCG	0	4.528326	0	0	0	0	0	1.186176	1.174575	1.770725	1.082214	0	0.665145	1.883708	0	0	1.191446	1.322851	4.395363	4.39948	1.18	1.936724	0.974033	0.046772	NaN	Low	0.48878	1.871221
46_CTGGGAGAAGGC	0	3.018884	0	0	0	0	1.039688	4.744705	3.523725	3.54145	0	1.992072	0.332572	3.390674	0	0.594486	4.765784	1.322851	1.098841	2.399716	1.588272	0.138063	1.024604	0.892812	NaN	Low	1.512333	1.664211
46 CTGGGAGAAGGC	0	0	0	0	0	0	0	1.186176	1.174575	1.770725	0	0	0.332572	1.883708	0	0.594486	0	0	0	0.399953	0.36711	-0.42648	1.193083	0.72075	NaN	Low	0.420979	0.313241
46 CTTTCAGTCGGAT	0	0	0	1.297257	0	2.079375	0	1.174575	7.968262	0	1.992072	0.332572	1.130225	0.492679	0	1.191446	0	0	0	1.199858	0.942916	-0.36552	1.153375	0.751308	NaN	Low	1.06173	0.824102
46 CTTTCAGTCGGAT	2.071654	12.07554	7.426569	3.891771	6.958353	15.41899	9.357189	10.67559	7.04745	21.2487	10.82214	3.984144	4.988587	22.22775	12.80967	1.783457	23.82892	11.90566	1.098841	10.79872	10.02098	-0.64176	0.731997	0.380636	0.528712	OK	12.21378	7.828188
46 CTTTCAGTCGGAT	1.035827	4.528326	1.485314	0	0	0	0	3.558529	0	1.770725	0	0.996036	0.665145	3.390674	5.419474	2.377943	4.765784	0	0	1.599811	1.579679	-0.67213	1.051613	0.522728	NaN	Low	1.941142	1.218217
46 CTTTCAGTCGGAT	4.143309	4.528326	2.970628	2.594514	0	12.84916	19.75407	9.489411	4.6983	32.75841	10.82214	0.996036	3.325724	22.98124	7.882871	0.594486	17.87169	14.55136	2.197682	7.199149	9.110425	-0.83155	0.880684	0.345063	NaN	Low	11.66563	6.555215
46 CTTTCAGTTGGAT	3.107481	13.58498	0	2.594514	3.479177	2.569832	1.039688	0	1.174575	2.656087	0	0	0.997717	0.376742	0.985359	0	3.574338	0	0	0	1.807024	-2.30072	1.170223	0.049293	NaN	Low	3.004291	0.609758
46 GAATGTTGCTCGC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12.08725	0	0.604362	3.491531	1.7202	0.042385	NaN	Low	0.098692	1.110033
46 GAATGTTGCTCGC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14.28493	0	0.714247	3.714263	1.72174	0.030984	NaN	Low	0.101131	1.327362
46_GAATGTTGCTCGC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28.56986	0	1.428493	4.625719	1.702589	0.00659	NaN	Low	0.11122	2.745766
46 GAATGTTGCTCGC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29.6687	0	1.483435	4.674247	1.700818	0.005992	NaN	Low	0.111821	2.855049
46 GAATGTTGCTCGC	0	0	0	0	0	0	0	0	0	0	0	0	0	0.753483	0	0	0	0	54.94204	0	2.784776	4.748323	1.680484	0.00472	NaN	Low	0.199787	5.369765
46_GAATGTTGCTCGC	2.071654	0	0	0	0	2.569832	0	0	0	0	0	0	0.332572	0	0	0	0	0	42.85479	0	2.391443	3.83466	1.644151	0.019685	NaN	Low	0.313273	4.469613
46 GAATGTTGCTCGC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.494204	0	0.27471	2.460333	1.655656	0.137275	NaN	Low	0.084482	0.464939
46 GAGACTGATGAG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.296522	1.999764	0.264814	3.415688	1.708411	0.045572	NaN	Low	0.045378	0.484251
46_GAGACTGATGAG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31.86638	14.3983	2.313234	6.745054	1.324761	3.55E-07	NaN	Low	0.042732	4.583736
46 GAGACTGATGAG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.889567	6.799197	0.834438	5.20484	1.518865	0.000611	NaN	Low	0.044055	1.624822
46 GAGACTGATGAG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.691886	2.399716	0.50458	4.330275	1.634081	0.00805	NaN	Low	0.047791	0.961369
46 GAGACTGATGAG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.790727	4.799433	0.679508	4.858973	1.5661	0.001918	NaN	Low	0.04527	1.313746
46 GAGACTGATGAG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12.08725	3.999527	0.804339	5.059035	1.547751	0.001081	NaN	Low	0.04685	1.561827
46 GAGACTGATGAG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.395363	2.399716	0.339754	3.782243	1.683504	0.024662	NaN	Low	0.046042	0.633466
46_GTGCACTACAGA/	56.97049	12.07554	25.25033	45.40399	24.35424	0	28.07157	1.186176	9.396599	15.93652	5.411071	58.76612	12.30518	1.883708	13.79502	33.88569	3.574338	13.22851	2.197682	1.199858	18.24463	-2.81154	0.926565	0.00241	0.014492	OK	31.93968	4.549583
46 GTGCACTACAGA/	8.286617	0	1.485314	12.97257	10.43753	0	4.158751	0	0	4.426812	1.082214	3.984144	1.662862	0	3.941436	8.3228	0	1.322851	0	0	3.104195	-2.68253	1.149767	0.019643	NaN	Low	5.371658	0.836732
46 GTGCACTACAGA/	1.035827	1.509442	0	5.189028	0	0	0	0	0	0	0	0.996036	0	0.376742	0.492679	4.1614	0	0	0	0	0.688058	-1.3941	1.191157	0.24185	NaN	Low	0.996837	0.379278
46_GTGCACTACAGA/	0	0	0	0	0	0	2.079375	0	0	0	0	4.98018	0.997717	0	0.492679	0	0	0	0	0	0.427498	-0.80441	1.126271	0.475088	NaN	Low	0.543684	0.311311
46 TACAGTACTGTGA	15.53741	1.509442	4.455941	0	0	0	1.039688	0	0	4.426812	2.164428	5.976216	1.33029	0.376742	0.492679	0.594486	0	0	0	0	1.895207	-2.1971	1.176085	0.061742	NaN	Low	3.111804	0.678609
46 TACAGTACTGTGA	14.50158	0	11.88251	2.594514	0	0	12.47625	0	2.34915	22.13406	10.82214	21.91279	7.649166	2.260449	3.941436	1.783457	1.191446	0	0	1.999764	5.874936	-1.73742	1.067337	0.103566	NaN	Low	9.039017	2.710855
46_TACAGTACTGTGA	25.89568	13.58498	20.79439	3.891771	0	2.569832	17.67469	1.186176	8.222024	29.21696	8.657714	42.82955	14.63319	10.17202	11.82431	2.377943	2.382892	1.322851	5.494204	5.599338	11.41653	-0.95738	0.869489	0.27086	0.419259	OK	15.07141	7.761639
46 TACAGTACTGTGA	72.5079	10.56609	31.19159	19.45885	17.39588	17.98883	49.90501	10.67559	14.0949	87.65089	31.38421	73.70666	44.89728	32.77652	33.5022	14.26766	9.531568	14.55136	15.38377	21.59745	31.15171	-0.74782	0.677996	0.27003	0.418632	OK	39.04944	23.25398
46 TACAGTACTGTGA	53.86301	25.66052	51.98598	19.45885	10.43753	7.709497	29.11125	22.53735	25.84065	75.25581	34.63086	51.79387	42.2367	42.94854	56.16546	35.66914	11.91446	15.87421	8.790727	20.39759	32.1141	-1.13259	0.587251	0.053777	0.141022	OK	44.10984	20.11836
46 TACAGTACTGTGA	1.035827	0	0	2.594514	0	2.569832	0	0	0	4.426812	3.246643	1.992072	0.997717	3.013933	0.985359	0.594486	0	1.322851	0	0	1.139002	-2.31109	1.168222	0.047895	NaN	Low	1.895955	0.382049
46_TACAGTACTGTGA	218.5595	98.11374	111.3985	118.0504	73.06271	59.10615	146.596	67.61205	59.90332	217.7992	135.2768	195.223	148.9925	123.948	114.3016	92.73977	78.63544	91.27669	51.64552	97.18851	114.9715	-0.65531	0.445479	0.141282	0.264837	OK	140.6433	89.29967
46 TACAGTACTGTGA	13.46575	15.09442	10.3972	6.486284	13.91671	17.98883	31.19063	13.04794	10.57117	31.87305	32.46643	61.75423	28.9338	22.98124	28.57541	21.40149	17.87169	3.968552	7.691886	13.19844	20.14376	-0.94081	0.622736	0.130848	0.251004	OK	26.48855	13.79896
46_TACAGTACTGTGA	230.9895	70.94378	71.29506	81.72718	38.27094	33.40782	173.6278	30.84059	43.45927	282.4306	167.7432	258.9693	176.596	219.6403	174.9012	48.74783	70.29532	37.03982	18.68029	53.59367	114.16	-1.57892	0.710501	0.026265	0.08547	OK	171.0606	57.25934
46_TACAGTACTGTGA	8.286617	1.509442	14.85314	5.189028	3.479177	0	8.317501	1.186176	8.222024	15.93652	2.164428	1.992072	1.662862	1.883708	5.419474	1.188971	7.148676	2.645701	4.395363	4.799433	5.014016	-0.1167	0.809438	0.885359	NaN	Low	5.216704	4.811327
46 TACAGTACTGTGA	37.28978	4.528326	25.25033	11.67531	6.958353	10.27933	17.67469	2.372353	9.396599	79.68262	17.31543	9.960359	8.646884	13.5627	12.31699	2.377943	17.87169	6.614253	3.296522	15.99811	15.65343	-0.62946	0.812254	0.43837	0.584888	OK	19.01511	12.29175
46_TACAGTACTGTGA	167.804	36.22661	103.972	54.48479	31.31259	56.53631	129.961	14.23412	75.17279	406.3814	86.57714	65.73837	77.15681	82.12966	77.84335	46.36989	79.82689	52.91402	20.87798	87.1897	87.63547	-0.67792	0.706189	0.337072	0.486607	OK	107.8546	67.41631
46_TACAGTACTGTGA	8.286617	0	1.485314	2.594514	3.479177	0	6.238126	1.186176	0	12.39507	4.328857	14.94054	7.981739	2.637191	7.882871	2.972429	3.574338	0	3.296522	2.399716	4.28396	-0.59956	0.90749	0.508819	NaN	Low	5.161536	3.406385
46 TACAGTACTGTGA	0	0	0	1.297257	0	0	2.079375	0	1.174575	4.426812	3.246643	21.91279	3.658297	3.013933	3.448756	2.377943	1.191446	0	2.197682	0	2.501275	-0.95444	1.121523	0.394759	NaN	Low	3.299742	1.702809
46_TATAGTACTGTGA	12.42993	3.018884	4.455941	2.594514	0	2.569832	0	3.558529	2.34915	1.770725	5.411071	1.992072	2.66058	1.130225	0.985359	1.188971	0	0	0	0	2.305789	-2.90865	1.132698	0.010232	NaN	Low	4.069623	0.541955
46_TATAGTACTGTGA	22.7882	4.528326	11.88251	15.56708	6.958353	7.709497	7.277814	4.744705	5.872875	4.426812	4.328857	5.976216	8.979456	3.390674	1.478038	2.377943	0	0	0	0	5.914368	-3.80441	1.076044	0.000407	NaN	Low	11.03865	0.790086
46 TCTGTTCTCCATT/	5.179136	1.509442	2.970628	6.486284	3.479177	0	2.079375	0	1.174575	1.770725	1.082214	0.996036	0	0.376742	0.985359	0.594486	1.191446	0	0	0	1.493781	-2.41775	1.162481	0.037542	NaN	Low	2.516589	0.470974
46 TTAGACTGAAGCT	66.29294	27.16996	35.64753	20.75611	31.31259	38.54749	14.55563	17.79265	29.36437	9.738987	5.411071	10.9564	13.96804	7.15809	7.882871	15.45663	3.574338	10.5828	6.593045	1.999764	18.73806	-2.02969	0.750994	0.006878	0.033084	OK	30.10354	7.372592
46_TTTCAGTCAGATG	4.143309	0	0	0	0	0	0	0	0	1.770725	0	0	1.662862	0.376742	0	1.783457	0	0	0	0	0.486855	-1.09663	1.173233	0.349937	NaN	Low	0.663468	0.310242
46 TTTCAGTCAGATG	22.7882	15.09442	29.70628	36.32319	10.43753	7.709497	16.635	10.67559	9.396599	16.82189	27.05536	39.84144	52.54645	15.4464	26.11201	29.72429	10.72301	7.937103	5.494204	8.79896	19.96337	-1.46292	0.61287	0.016986	0.060683	OK	29.2985	10.62824
46 TTTCAGTCAGATG	12.42993	24.15107	22.27971	37.62045	6.958353	7.709497	21.83344	14.23412	11.74575	26.56087	36.79528	46.81369	81.48025	26.37191	23.15593	37.4526	10.72301	14.55136	10.98841	3.199622	23.85276	-1.79099	0.672352	0.007727	0.035769	OK	37.01049	10.69504
47_AAAAGCTGGGTT(	0	0	0	0	0	2.569832	1.039688	2.372353	0	0	0	0	1.662862	0	0	0.594486	0	0	2.197682	5.599338	0.801812	2.153148	1.152518	0.061732	NaN	Low	0.294352	1.309272
47 AAAAGCTGGGTT(	53.86301	10.56609	8.911883	9.080798	10.43753	17.98883	31.19063	67.61205	5.872875	6.197537	11.90436	21.91279	14.30062	11.67899	1.478038	21.99597	8.340122	11.90566	29.6687	53.59367	20.42501	1.076648	0.753015	0.152779	0.279481	OK	13.13873	27.71129
47 AAAAGCTGGGTT(	105.6544	9.056653	10.3972	24.64788	34.79177	46.25698	66.54001	141.155	21.14235	22.13406	8.657714	36.85333	28.9338	26.74865	8.86823	46.96437	17.87169	35.71697	57.13972	81.19041	41.53606	0.76275	0.730689	0.296542	0.446397	OK	30.80485	52.26727
47_AAAAGCTGGGTT(	35.21812	7.547211	1.485314	24.64788	90.45859	30.83799	30.15094	176.7403	50.50672	23.90479	24.89093	44.82162	36.91554	34.28348	23.15593	49.34232	11.91446	56.88257	27.47102	47.99433	41.4585	-0.12208	0.752974	0.871202	0.917741	OK	43.21156	39.70544
47 AAAAGCTGGGTT(	12.42993	4.528326	0	3.891771	38.27094	12.84916	7.277814	43.88853	8.222024	10.62435	7.5755	5.976216	7.649166	9.041798	11.82431	22.59046	10.72301	18.51991	8.790727	15.99811	13.0336	-0.02089	0.724103	0.976986	0.981966	OK	13.12796	12.93925
47 AAAAGCTGGGTT(	3.107481	0	0	0	3.479177	5.139665	1.039688	1.186176	1.174575	1.770725	1.082214	2.988108	0.665145	1.130225	2.956077	2.972429	3.574338	0	4.395363	1.199858	1.893062	0.474848	0.825406	0.565095	NaN	Low	1.584304	2.20182
47_AAAAGCTGGGTT(	1.035827	0	0	0	0	0	0	7.117058	0	0	0	0	0	0.376742	0.492679	0	0	0	1.098841	0	0.506057	0.000683	1.142165	0.999523	NaN	Low	0.505938	0.506177
47 AAAAGCTGGGTT(	1.035827	0	0	1.297257	0	2.569832	2.079375	16.60647	1.174575	1.770725	2.164428	3.984144	5.986304	3.390674	5.419474	6.539343	5.95723	6.614253	5.494204	5.199386	3.864175	0.394812	0.814901	0.628038	NaN	Low	3.33871	4.38964
47 AAAAGCTGGGTT(	2.071654	0	0	0	0	0	1.039688	0	0	0	2.164428	0	0	1.130225	0.985359	0.594486	1.191446	1.322851	2.197682	2.399716	0.754877	1.452259	1.02063	0.154764	NaN	Low	0.404071	1.105683
47_AAAAGCTGGGTT(	32.11064	15.09442	2.970628	6.486284	41.75012	33.40782	40.54782	135.2241	22.31692	14.1658	18.39764	50.79783	29.59895	25.99517	29.56077	33.2912	16.68024	31.74841	24.1745	34.39594	31.93576	-0.11796	0.694864	0.865196	0.913365	OK	33.24066	30.63086
47 AAAAGCTGGGTT(	4.143309	0	0	1.297257	0	7.709497	4.158751	8.303235	0	0.885362	6.493285	10.9564	5.986304	1.506966	3.448756	2.972429	0	3.968552	3.296522	4.799433	3.496303	0.196819	0.884145	0.823839	NaN	Low	3.258181	3.734424
47 AAAAGCTGGGTT(	35.21812	10.56609	10.3972	12.97257	31.31259	20.55866	63.42095	147.0859	28.1898	15.93652	16.23321	40.83747	23.94522	21.47427	17.73646	36.26363	17.87169	29.10271	40.65711	55.19348	33.74868	0.527126	0.675364	0.435092	0.582091	OK	27.65089	39.84648
47_AAAAGCTGGGTT(	7.25079	0	0	0	3.479177	0	4.158751	5.930882	2.34915	0.885362	0	1.992072	2.328007	2.637191	1.970718	6.539343	1.191446	3.968552	2.197682	2.399716	2.463942	-0.13227	0.872172	0.879455	NaN	Low	2.576816	2.351067
47 AAAAGCTGGGTT(	1.035827	0	0	1.297257	3.479177	0	0	2.372353	0	0.885362	0	0.996036	1.33029	1.130225	1.970718	3.566914	1.191446	1.322851	1.098841	1.199858	1.143858	-0.03283	0.937518	0.972067	NaN	Low	1.156871	1.130844
47 AAAAGCTGGGTT(	31.07481	6.037769	4.455941	10.37806	34.79177	20.55866	34.30969	84.21852	4.6983	14.1658	4.328857	20.91675	13.63547	18.0836	12.80967	32.69672	8.340122	11.90566	8.790727	22.39735	19.92971	-0.31917	0.749317	0.670145	0.775544	OK	22.12531	17.73411
47_AAAAGCTGGGTT(	25.89568	7.547211	1.485314	5.189028	17.39588	5.139665	32.23032	43.88853	12.92032	6.197537	4.328857	7.968287	4.323442	4.89764	3.448756	17.24009	7.148676	11.90566	23.07566	17.19797	12.97123	0.647163	0.759175	0.393961	0.542522	OK	10.10974	15.83271
47 AAAAGCTGGGTT(	8.286617	0	1.485314	1.297257	10.43753	5.139665	13.51594	10.67559	2.34915	3.54145	2.164428	2.988108	2.66058	4.89764	3.941436	13.07869	7.148676	5.291402	10.98841	5.199386	5.754363	0.474361	0.711948	0.505229	NaN	Low	4.816773	6.691953
47 AAAAGTTGGGTT(	15.53741	0	2.970628	0	0	2.569832	1.039688	5.930882	0	0	0	0	0.332572	0.753483	0.492679	0	0	0	0	0	1.481359	-1.5254	1.193201	0.201106	NaN	Low	2.198866	0.763851
47_AAAAGTTGGGTT(	11.3941	1.509442	7.426569	0	17.39588	7.709497	8.317501	24.9097	7.04745	0.885362	0	2.988108	1.995435	1.506966	0	5.944857	0	3.968552	0	1.199858	5.209964	-1.96915	1.076875	0.067463	NaN	Low	8.300061	2.119867
47 AAAAGTTGGGTT(	3.107481	0	0	0	0	0	0	5.930882	0	0	0	0.996036	0	0	0	0.594486	0	1.322851	0	0	0.597587	-0.97513	1.158202	0.399826	NaN	Low	0.79219	0.402983
47 AATGTTGCTCGGT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10.98841	0	0.54942	3.364583	1.717769	0.050149	NaN	Low	0.097242	1.001599
47_AATGTTGCTCGGT	0	0	0	1.297257	0	0	0	0	0	0.885362	0	0	0.332572	0	0	0	0	0	24.1745	0.399953	1.354482	4.243298	1.47781	0.004087	NaN	Low	0.135862	2.573103
47 AATGTTGCTCGGT	1.035827	0	0	0	3.479177	0	0	0	0	0	0	0.996036	1.33029	0.376742	1.478038	2.972429	0	1.322851	195.5937	0	10.42925	5.330956	1.344286	7.32E-05	0.001289	OK	0.505647	20.35286
47 AGCAGCATTGTAC	22.7882	6.037769	22.27971	6.486284	0	2.569832	8.317501	4.744705	4.6983	5.312175	2.164428	6.972252	1.995435	0	0	5.350372	2.382892	3.968552	16.48261	6.799197	6.46751	0.795998	0.924177	0.38907	NaN	Low	4.727232	8.207789
47_AGCAGCATTGTAC	20.71654	7.547211	22.27971	10.37806	0	0	6.238126	2.372353	8.222024	1.770725	2.164428	4.98018	1.662862	1.506966	0.492679	5.944857	5.95723	2.645701	14.28493	3.599575	6.138208	0.487679	0.881377	0.580048	NaN	Low	5.110515	7.165901
47 AGCAGCATTGTAC	71.47207	1.509442	53.4713	15.56708	17.39588	7.709497	10.39688	20.165	17.61862	7.968262	14.06878	7.968287	24.27779	6.404607	2.463397	18.42906	8.340122	35.71697	56.04088	53.19371	22.50888	1.355842	0.771253	0.078752	0.181849	OK	12.64734	32.37042
47 AGCAGCATTGTAC	68.36459	10.56609	32.6769	20.75611	13.91671	12.84916	17.67469	16.60647	27.01522	6.197537	10.82214	8.964323	20.61949	4.520899	3.448756	18.42906	7.148676	38.36267	47.25016	59.193	22.26913	1.368671	0.695656	0.049131	0.130912	OK	12.43278	32.10549
47_AGCAGCATTGTAC	5.179136	0	2.970628	3.891771	6.958353	2.569832	0	3.558529	3.523725	1.770725	3.246643	0.996036	4.988587	4.144157	5.419474	8.917286	1.191446	10.5828	8.790727	7.199149	4.29495	0.915646	0.68764	0.182999	NaN	Low	2.975977	5.613923
47 AGCAGCATTGTAC	7.25079	3.018884	4.455941	3.891771	0	5.139665	1.039688	5.930882	4.6983	3.54145	1.082214	1.992072	4.656014	1.506966	1.478038	5.944857	5.95723	2.645701	10.98841	7.999055	4.160896	1.287115	0.593172	0.030016	NaN	Low	2.418848	5.902945
47 AGCAGCATTGTAC	30.03899	15.09442	13.36782	16.86434	17.39588	10.27933	36.38907	22.53735	18.7932	26.56087	23.80871	11.95243	18.62406	13.18596	10.34627	33.2912	41.70061	31.74841	65.93045	51.99386	25.49516	1.371257	0.443674	0.001997	0.012622	OK	14.21548	36.77485
47_AGCAGCATTGTAC	22.7882	12.07554	14.85314	16.86434	13.91671	15.41899	39.50813	21.35117	18.7932	33.64377	15.151	12.94847	14.63319	11.67899	9.36091	36.26363	46.4664	29.10271	71.42465	57.59319	25.69182	1.512775	0.491656	0.002092	0.013136	OK	13.33399	38.04965
47 AGCAGCATTGTAC	96.33193	80.00043	41.58879	64.86284	76.54189	53.96648	114.3656	112.6868	97.48972	105.3581	64.93285	54.78198	98.77402	90.04124	60.10689	133.1648	231.1405	239.436	274.7102	193.9771	114.2129	1.158358	0.492211	0.018604	0.065047	OK	70.67561	157.7502
47 AGCAGCATTGTAC	95.2961	67.9249	65.35381	55.78205	45.2293	46.25698	108.1275	79.47382	101.0134	131.0336	72.50835	56.77405	92.45514	91.92494	66.01905	137.3262	201.3544	230.176	263.7218	209.5752	110.8663	1.227554	0.478787	0.010351	0.042882	OK	66.35332	155.3793
47_AGCAGCATTGTAC	2.071654	0	0	6.486284	10.43753	7.709497	3.119063	13.04794	5.872875	2.656087	7.5755	0	2.993152	7.534831	13.30235	11.29523	9.531568	10.5828	5.494204	7.999055	6.385481	0.098443	0.785531	0.90027	NaN	Low	6.167707	6.603255
47 AGCAGCATTGTAC	1.035827	3.018884	1.485314	1.297257	3.479177	15.41899	0	8.303235	4.6983	1.770725	3.246643	0.996036	5.653732	3.390674	5.419474	3.566914	1.191446	13.22851	16.48261	5.999291	4.984152	1.251851	0.76962	0.103826	NaN	Low	2.947923	7.020381
47 AGCAGCATTGTAC	0	1.509442	0	0	6.958353	2.569832	0	0	1.174575	0	2.164428	0	2.993152	1.130225	0.985359	0.594486	0	2.645701	2.197682	1.599811	1.326152	0.587025	0.999234	0.556885	NaN	Low	1.060012	1.592293
47_AGCAGCATTGTAC	22.7882	64.90601	29.70628	28.53965	93.93777	64.24581	45.74626	83.03235	39.93555	31.87305	73.59057	58.76612	87.79913	71.20416	57.6435	59.44857	58.38086	111.1194	114.2794	113.1866	65.50647	0.892777	0.437017	0.041063	0.115352	OK	45.86089	85.15205
47 AGCAGCATTGTAC	16.57323	61.88713	14.85314	22.05337	86.97942	61.67598	53.02407	71.17058	52.85587	33.64377	76.83721	51.79387	81.81282	63.66933	52.22402	61.23203	52.42363	121.7023	112.0818	112.3867	63.04401	0.923143	0.500742	0.065249	0.157685	OK	43.53505	82.55297
47 AGCAGCATTGTAC	1.035827	12.07554	1.485314	1.297257	3.479177	12.84916	3.119063	7.117058	1.174575	1.770725	12.98657	7.968287	11.64004	8.288315	11.82431	5.350372	7.148676	14.55136	20.87798	9.998818	7.80192	1.008906	0.700205	0.149621	NaN	Low	5.179896	10.42394
47 AGCAGCATTGTAC	0	7.547211	1.485314	1.297257	3.479177	23.12849	6.238126	11.86176	4.6983	6.197537	8.657714	8.964323	10.64232	12.80921	7.390192	8.917286	4.765784	5.291402	15.38377	12.79849	8.077683	0.846604	0.634983	0.182443	NaN	Low	5.773355	10.38201
47 AGCAGCATTGTAC	5.179136	13.58498	0	2.594514	13.91671	7.709497	7.277814	5.930882	9.396599	10.62435	1.082214	2.988108	8.314311	10.17202	12.31699	9.511772	11.91446	3.968552	6.593045	9.998818	7.653738	0.148785	0.613464	0.808367	NaN	Low	7.259422	8.048054
47 AGCAGCATTGTAC	7.25079	7.547211	1.485314	2.594514	6.958353	2.569832	3.119063	3.558529	2.34915	2.656087	4.328857	4.98018	8.314311	6.027865	11.82431	7.133829	11.91446	9.259954	3.296522	11.59863	5.938388	0.386068	0.60627	0.52426	NaN	Low	5.148534	6.728242
47 AGCAGCATTGTAC	18.64489	111.6987	22.27971	28.53965	55.66683	79.66481	54.06376	60.49499	22.31692	54.89247	75.755	90.63927	129.7033	93.43191	67.98977	81.44455	83.40122	44.97692	59.3374	95.5887	66.52654	0.232567	0.536449	0.664629	0.770063	OK	61.17597	71.87711
47 AGCAGCATTGTAC	24.85985	107.1704	25.25033	37.62045	27.83341	61.67598	47.82563	66.42588	17.61862	54.89247	76.83721	104.5838	118.0632	88.91101	66.01905	78.47212	69.10387	56.88257	52.74436	97.58847	64.01893	0.242973	0.52393	0.642827	0.752764	OK	58.64073	69.39714
47 ATATACAAGGGC/	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.594486	0	0	7.691886	0	0.414319	2.585625	1.715174	0.131682	NaN	Low	0.11833	0.710307
47 ATATGCAAGGGC/	0	0	0	0	0	0	1.039688	0	0	0	0	0	0	0.376742	0	1.783457	0	0	7.691886	0	0.544589	2.107336	1.167789	0.071145	NaN	Low	0.205159	0.884018
47 ATCAACAGACATT	19.68072	15.09442	13.36782	15.56708	6.958353	66.81564	8.317501	5.930882	21.14235	6.197537	40.04193	2.988108	23.61264	4.520899	2.956077	57.66512	11.91446	25.13416	99.99451	157.9813	30.29408	2.444651	0.774947	0.001607	0.010854	OK	9.402346	51.18581
47 ATCAACAGACATT	8.286617	12.07554	7.426569	9.080798	10.43753	12.84916	2.079375	13.04794	12.92032	9.738987	17.31543	8.964323	11.30746	6.781348	6.897512	65.39343	29.78615	55.55972	72.52349	92.78903	23.26304	2.071038	0.737323	0.004972	0.025269	OK	8.944072	37.582
47 ATCAACAGACATT	5.179136	4.528326	1.485314	1.297257	3.479177	10.27933	0	3.558529	7.04745	0.885362	2.164428	1.992072	3.658297	1.883708	3.941436	26.15737	8.340122	11.90566	6.593045	21.9974	6.318671	1.210399	0.852467	0.155643	NaN	Low	3.8133	8.824041
47 ATCAACAGACATT	26.93151	55.84936	11.88251	15.56708	20.87506	35.97765	8.317501	29.65441	18.7932	17.70725	50.86407	10.9564	48.223	13.18596	12.31699	184.2906	30.9776	62.17398	65.93045	144.3829	43.24287	1.360194	0.75921	0.073198	0.171434	OK	24.24474	62.24101
47 CAAAACGTGAGG(	0	0	1.485314	2.594514	0	0	1.039688	0	1.174575	0	1.082214	2.988108	0.665145	1.883708	0.492679	1.783457	0	3.968552	1.098841	0.799905	1.052835	-0.22259	1.00184	0.824173	NaN	Low	1.133894	0.971776
47 CAAAACGTGAGG(	0	0	0	1.297257	0	0	0	0	0	0	0	0.996036	0.332572	1.883708	0.985359	0	0	1.322851	0	0	0.340889	-1.20962	1.183083	0.306575	NaN	Low	0.475975	0.205803
47 CAGTAGTCTGCAC	14.50158	7.547211	44.55941	28.53965	3.479177	10.27933	8.317501	11.86176	21.14235	13.28044	5.411071	18.92468	6.318876	12.80921	13.30235	5.944857	3.574338	13.22851	9.889567	10.39877	13.16553	-0.37564	0.639884	0.557175	0.684153	OK	14.86989	11.46118
47 CAGTAGTCTGCAC	4.143309	1.509442	8.911883	7.783541	3.479177	7.709497	2.079375	1.186176	7.04745	6.197537	4.328857	1.992072	2.993152	5.274382	11.33163	2.972429	4.765784	6.614253	4.395363	1.999764	4.835754	-0.70851	0.678505	0.29638	NaN	Low	5.99988	3.671627

47 CAGTAGTCTGCAC	1.035827	1.509442	1.485314	3.891771	0	7.709497	1.039688	0	4.6983	7.968262	0	0.996036	2.66058	3.013933	4.926795	1.783457	1.191446	2.645701	0	2.399716	2.447788	-0.70631	0.90339	0.434304	NaN	Low	3.035293	1.860283
47 CAGTAGTCTGCAC	1.035827	1.509442	1.485314	2.594514	0	2.569832	0	0	2.34915	0	0	1.992072	0.997717	1.883708	0.985359	0	0	1.322851	0	0.399953	0.956287	-1.24394	1.108436	0.261757	NaN	Low	1.344782	0.567792
47 CTGGCCCTCTCTG	0	0	0	1.297257	0	0	0	1.186176	0	0	0	0	0.332572	0	0	1.783457	1.191446	1.322851	0	2.799669	0.495671	1.173075	1.181701	0.320856	NaN	Low	0.304568	0.686775
47 CTGGCCCTCTCTG	0	0	1.485314	2.594514	3.479177	0	2.079375	5.930882	1.174575	3.54145	1.082214	0	0	1.130225	0	4.1614	5.95723	3.968552	3.296522	3.599575	2.17405	0.637464	0.984585	0.517344	NaN	Low	1.701406	2.646695
47 CTGGCCCTCTCTG	1.035827	1.509442	8.911883	2.594514	0	0	0	7.117058	2.34915	1.770725	1.082214	0	0	1.130225	0	4.755886	8.340122	2.645701	2.197682	1.999764	2.37201	-0.1433	1.043242	0.890744	NaN	Low	2.489719	2.2543
47 CTGGCCCTCTCTG	1.035827	4.528326	4.455941	7.783541	3.479177	0	0	8.303235	8.222024	0.885362	3.246643	0	1.33029	1.506966	1.478038	7.133829	7.148676	5.291402	4.395363	4.799433	3.751204	0.309958	0.838059	0.711493	NaN	Low	3.34978	4.152627
47 CTGGCCCTCTCTG	1.035827	0	0	1.297257	0	0	0	0	0	0	1.082214	0.996036	0.665145	1.130225	0	3.566914	3.574338	0	1.098841	1.599811	0.80233	0.537713	1.093981	0.623059	NaN	Low	0.654518	0.950143
47 CTGGCCCTCTCTG	2.071654	24.15107	22.27971	23.35062	0	10.27933	4.158751	26.09588	10.57117	9.738987	10.82214	2.988108	4.656014	6.027865	1.478038	27.94083	44.0835	10.5828	9.889567	23.19726	13.71817	0.275259	0.821434	0.737553	0.827335	OK	12.41344	15.02289
47 CTGGCCCTCTCTG	0	7.547211	5.941255	1.297257	0	2.569832	4.158751	7.117058	4.6983	9.738987	3.246643	0	1.995435	1.506966	0	8.917286	11.91446	1.322851	3.296522	1.599811	3.843431	-0.61449	0.953011	0.519066	NaN	Low	4.649794	3.037068
47 GATACTGTAAACG	0	4.528326	1.485314	2.594514	0	0	0	1.186176	1.174575	0.885362	0	0	0.665145	0.376742	0.985359	3.566914	0	1.322851	0	0	0.938564	-2.09748	1.17891	0.075212	NaN	Low	1.521585	0.355543
47 GCCTGCTGGGGT	0	0	0	0	0	0	0	1.186176	0	0	0	0.996036	0	0	0	0	0	0	26.37218	0	1.42772	3.704515	1.67992	0.027442	NaN	Low	0.203426	2.652014
47 GCCTGCTGGGGT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.790727	0	0.439536	3.067856	1.706877	0.07228	NaN	Low	0.093665	0.785407
47 GCCTGCTGGGGT	0	0	0	0	0	0	0	0	0	0	0	0	0.332572	0	0	0.594486	0	0	51.64552	0	2.628629	5.056249	1.600439	0.001582	NaN	Low	0.153397	5.103861
47 GCCTGCTGGGGT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14.28493	0	0.714247	3.714263	1.72174	0.030984	NaN	Low	0.101131	1.327362
47 GCCTGCTGGGGT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16.48261	0	0.824131	3.904851	1.720676	0.023246	NaN	Low	0.103153	1.545108
47 GCCTGCTGGGGT	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0	0	0	1.322851	27.47102	0	1.458531	4.034732	1.655211	0.014785	NaN	Low	0.167745	2.749316
47 GCCTGCTGGGGT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36.26175	0	1.813087	4.929657	1.690822	0.003551	NaN	Low	0.1152	3.510975
47 GTACAGTACTGTG	12.42993	1.509442	7.426569	1.297257	0	2.569832	2.079375	0	0	8.853625	4.328857	8.964323	2.328007	4.89764	1.970718	0.594486	0	1.322851	1.098841	0.399953	3.103585	-1.68268	1.027114	0.101367	NaN	Low	4.732869	1.474302
47 GTACAGTACTGTG	82.86617	31.69828	28.22096	24.64788	10.43753	25.69832	43.66688	8.303235	18.7932	109.7849	62.76842	46.81369	54.87445	25.99517	22.66326	17.24009	13.10591	11.90566	25.27334	40.79518	35.27763	-0.10035	0.673351	0.881535	0.923691	OK	36.50399	34.05127
47 GTACAGTACTGTG	84.93783	22.64163	14.85314	23.35062	17.39588	20.55866	38.46844	5.930882	10.57117	98.27524	48.69964	69.72252	59.1979	59.90191	33.99488	24.37392	20.25458	23.81131	23.07566	40.39523	37.02055	-0.23004	0.672819	0.732418	0.824331	OK	39.96586	34.07525
47 GTACAGTACTGTG	243.4194	78.49099	66.83912	83.02444	69.58353	48.82682	150.7547	32.02676	46.983	303.6793	222.9361	212.1557	170.6097	180.4592	142.3844	101.0626	110.8045	89.95384	108.7852	191.5774	132.7178	0.183261	0.595416	0.758244	0.840033	OK	124.2998	141.1359
47 GTACAGTACTGTG	135.6934	66.41545	51.98598	36.32319	62.62518	20.55866	91.49251	35.58529	62.25247	189.4676	138.5234	89.64323	114.0723	128.8456	107.4041	84.41697	81.01833	78.04818	71.42465	147.9825	89.68895	0.305912	0.524838	0.559982	0.686744	OK	80.21552	99.16238
47 GTACAGTACTGTG	30.03899	6.037769	22.27971	7.783541	13.91671	10.27933	15.59531	10.67559	8.222024	26.56087	21.64428	15.93657	20.95206	21.09753	28.08273	17.83457	7.148676	14.55136	13.18609	28.39664	17.01102	0.308497	0.494918	0.533068	0.66404	OK	15.19915	18.82289
47 GTACAGTACTGTG	1.035827	1.509442	0	0	6.958353	0	0	2.372353	0	0.885362	2.164428	1.992072	2.328007	1.506966	0.492679	0.594486	0	1.322851	3.296522	1.999764	1.422956	0.940152	0.870406	0.280084	NaN	Low	0.975051	1.87086
47 GTACAGTACTGTG	17.60906	7.547211	5.941255	5.189028	10.43753	5.139665	6.238126	2.372353	11.74575	36.29986	10.82214	0.996036	5.986304	9.795281	4.926795	5.944857	10.72301	10.5828	5.494204	20.79754	9.729441	0.477741	0.704339	0.497592	NaN	Low	8.133076	11.32581
47 GTACAGTACTGTG	9.322444	4.528326	1.485314	1.297257	3.479177	2.569832	3.119063	2.372353	7.04745	7.0829	6.493285	3.984144	10.30975	5.274382	4.434115	6.539343	11.91446	3.968552	5.494204	8.399007	5.455768	0.335847	0.575558	0.559546	NaN	Low	4.823591	6.087944
47 GTGAACGGGCGC	0	1.509442	0	0	0	0	0	0	0	1.770725	0	0	0.332572	0.376742	0	0	1.191446	1.322851	5.494204	2.399716	0.719885	2.568928	1.071363	0.016493	NaN	Low	0.207649	1.232121
47 GTGAACGGGCGC	0	3.018884	0	0	6.958353	0	3.119063	2.372353	0	9.738987	3.246643	0	0.332572	3.390674	2.463397	0.594486	13.10591	13.22851	29.6687	19.19773	5.521813	2.256448	1.01605	0.026364	NaN	Low	1.911279	9.132347
47 GTGAACGGGCGC	0	0	1.485314	0	0	0	0	1.186176	0	1.770725	1.082214	0	0	0	0	0.594486	1.191446	5.291402	7.691886	5.199386	1.274652	2.368098	1.107478	0.032494	NaN	Low	0.413673	2.13563
47 TATTGCACTCGTC	0	7.547211	4.455941	6.486284	3.479177	5.139665	2.079375	2.372353	0	0	1.082214	0.996036	3.325724	2.637191	1.478038	1.188971	0	0	7.691886	8.79896	2.937951	1.659444	0.833274	0.046429	NaN	Low	1.412834	4.463068
47 TATTGCACTCGTC	0	6.037769	2.970628	6.486284	13.91671	20.55866	4.158751	2.372353	1.174575	0	0	0.996036	6.984021	2.260449	2.463397	0.594486	0	2.645701	9.889567	13.59839	4.855389	1.369387	0.949485	0.149234	NaN	Low	2.709777	7.001001
47 TATTGCACTTGTC	26.93151	0	10.3972	37.62045	3.479177	12.84916	1.039688	1.186176	1.174575	0.885362	5.411071	11.95243	5.653732	2.260449	0.985359	0.594486	0	1.322851	12.08725	3.599575	6.971525	0.13692	1.03699	0.894956	NaN	Low	6.640953	7.302096
47 TATTGCACTTGTC	24.85985	1.509442	5.941255	10.37806	0	0	2.079375	1.186176	2.34915	1.770725	3.246643	10.9564	3.658297	1.883708	0.985359	4.1614	3.574338	2.645701	5.494204	2.799669	4.473987	-0.16138	0.884982	0.855306	NaN	Low	4.723955	4.224019
47 TATTGCACTTGTC	58.00632	12.07554	46.04473	70.05187	10.43753	10.27933	5.198438	23.72353	12.92032	10.62435	5.411071	21.91279	15.29833	12.43247	7.882871	16.05111	5.95723	14.55136	25.27334	11.99858	19.80656	-0.10113	0.736287	0.890749	0.931366	OK	20.5005	19.11261
47 TATTGCACTTGTC	53.86301	3.018884	40.10347	71.34913	3.479177	7.709497	7.277814	35.58529	11.74575	1.770725	4.328857	25.89693	12.97033	10.17202	9.36091	16.05111	2.382892	14.55136	20.87798	7.599102	18.00471	-0.3324	0.861236	0.699528	0.797382	OK	20.06975	15.93968
47 TATTGCACTTGTC	30.03899	0	14.85314	51.89028	0	20.55866	4.158751	15.42029	7.04745	0.885362	11.90436	28.88504	16.29605	13.5627	1.970718	13.07869	7.148676	13.22851	19.77913	17.59792	14.41524	0.354372	0.85321	0.677893	0.781905	OK	12.65366	16.17681
47 TATTGCACTTGTC	533.451	138.8687	369.8431	1026.13	76.54189	185.0279	68.61939	418.7203	138.5998	74.37045	158.0033	439.2518	226.4818	287.4538	66.51173	290.7035	126.2933	164.0335	274.7102	209.1753	263.6396	-0.12438	0.714773	0.861853	0.913365	OK	274.9974	252.2817
47 TATTGCACTTGTC	564.5258	152.4537	368.3578	982.0235	62.62518	187.5978	83.17501	425.8373	158.5676	82.33871	135.2768	417.3391	246.1036	272.3842	81.29211	294.2704	125.1018	112.4423	267.0183	198.3766	260.8554	-0.16545	0.707596	0.81513	0.881593	OK	275.7962	245.9145
47 TATTGCACTTGTC	1229.527	664.1545	607.4933	832.8389	372.2719	221.0056	184.0247	883.7014	395.8317	409.9228	366.8706	939.2619	555.396	1522.789	1413.005	919.0749	409.8574	640.2597	246.1403	429.1493	662.1288	-0.98229	0.574744	0.087434	0.195488	OK	879.2184	445.0392
47 TATTGCACTTGTC	1217.097	676.2301	555.5074	874.3511	354.876	177.3184	175.7072	868.2811	393.4826	428.5154	351.7196	918.3451	581.6692	1574.78	1388.371	900.6459	425.3462	634.9683	251.6345	443.9475	659.6397	-0.93101	0.590565	0.114916	0.233623	OK	865.3905	453.8888
47 TATTGCACTTGTC	1653.18	854.3442	738.201	1002.78	647.1269	375.1955	212.0963	1416.295	818.6787	362.9986	541.1071	1191.259	946.1686	2373.095	3517.239	1714.497	661.2526	757.9934	362.6175	967.0857	1055.661	-0.664	0.658723	0.313446	0.461281	OK	1294.396	816.9248
47 TATTGCACTTGTC	1607.604	884.5331	782.7604	1036.508	692.3562	421.4525	243.2869	1468.486	775.2194	326.6988	574.6558	1120.54	999.3802	2307.165	3464.029	1710.335	654.1039	722.2764	331.8499	968.6855	1054.596	-0.69589	0.648398	0.283163	0.430862	OK	1304.121	805.0722
47 TATTGCACTTGTC	91.15279	66.41545	54.95661	89.51073	73.06271	17.98883	34.30969	79.47382	64.60162	22.13406	44.37078	51.79387	50.21844	139.3944	353.7439	143.8655	45.27495	44.97692	37.36059	51.99386	77.82997	-0.79147	0.685495	0.248257	0.396086	OK	98.65909	57.00086
47 TATTGCACTTGTC	99.43941	67.9249	49.01536	59.67382	55.66683	35.97765	21.83344	98.45264	48.15757	29.21696	54.11071	66.73441	51.21616	134.8735	377.3925	143.2711	47.65784	44.97692	32.96522	45.99456	78.22757	-0.96946	0.6854	0.157232	0.286563	OK	103.5649	52.89028
47 TATTGCACTTGTC	11.3941	12.07554	4.455941	3.891771	13.91671	0	0	8.303235	3.523725	1.770725	3.246643	1.992072	2.993152	12.05573	56.16546	15.45663	8.340122	5.291402	3.296522	1.599811	8.488464	-1.5371	0.957582	0.108452	NaN	Low	12.62622	4.350704
47 TATTGCACTTGTC	164.6965	105.6609	83.17757	133.6175	69.58353	61.67598	27.03188	164.8785	78.69652	32.75841	60.604	129.4847	93.45286	250.9099	259.1494	127.8144	55.99796	137.5765	31.86638	100.3881	108.4511	-0.71622	0.607245	0.238213	0.385046	OK	134.8317	82.07048
47_TATTGCACTTGTC	219.5954	102.6421	83.17757	134.9147	59.146	25.69832	18.71438	158.9476	76.34737	30.10232	56.27514	93.62738	80.48253	239.2309	230.574	120.6806	63.14664	150.805	32.96522	89.98937	103.3531	-0.74154	0.660989	0.261922	0.408631	OK	129.3449	77.36139
47 TATTGCACTTGTC	17.60906	9.056653	2.970628	5.189028	20.87506	5.139665	0	15.42029	10.57117	4.426812	11.90436	7.968287	6.984021	19.9673	36.95096	12.4842	5.95723	7.937103	4.395363	14.3983	11.01027	-0.19834	0.748381	0.790986	0.864647	OK	11.76594	10.25461
47 TATTGCACTTGTC	21.75237	6.037769	10.3972	5.189028	0	5.139665	4.158751	21.35117	7.04745	4.426812	7.5755	14.94054	8.979456	23.73472	40.8924	17.83457	9.531568	9.259954	3.296522	12.39853	11.6972	-0.55873	0.733196	0.446029	0.591108	OK	13.93438	9.460018
47_TATTGCACTTGTC	0	1.509442	0	1.297257	0	2.569832	0	1.186176	1.174575	0.885362	0	0.996036	0	1.130225	4.434115	0.594486	0	0	0	0.399953	0.808873	-1.06154	1.155532	0.358272	NaN	Low	1.093723	0.524023
47 TATTGCACTTGTC	35.21812	30.18884	10.3972	31.13417	24.35424	7.709497	5.198438	43.88853	22.31692	5.312175	18.39764	34.86126	24.27779	73.46461	65.52637	24.9684	10.72301	33.07126	8.790727	21.1975	26.54983	-0.80173	0.690204	0.245407	0.39345	OK	33.74273	19.35694
47 TATTGCACTTGTC	40.39726	34.71717	16.33845	32.43142	17.39588	17.98883	10.39688	39.14382	27.01522	7.0829	30.302	31.87315	28.60123	61.40888	70.94584	26.15737	9.531568	29.10271	10.98841	16.39806	27.91085	-1.03454	0.597152	0.083192	0.189362	OK	37.51027	18.31143
47 TATTGCACTTGTC	2743.906	3195.489	1460.063	2969.421	1141.17	822.3464	446.026	2613.147	1173.4	646.3146	1643.883	4206.26	2729.755	5122.555	4973.599	2376.754	743.4623	1164.108	458.2166	855.4989	2074.269	-1.61335	0.656212	0.013948	0.052526	OK	3126.636	1021.902
47 TATTGCACTTGTC	2794.662	3130.583	1409.563	3000.555	1158.566	876.3129	456.4229	2595.354	1151.083	693.2388	1581.115	4205.264	2806.246	5214.48	4927.287	2383.888	752.9939	1145.589	496.6761	797.9057	2078.889	-1.63953	0.650237	0.011688	0.046282	OK	3147.541	1010.238
47 TATTGCACTTGTC	2.071654	3.018884	1.485314	3.891771	3.479177	2.569832	0	3.558529	1.174575	0	0	1.992072	2.993152	5.651124	12.31699	4.755886	0	1.322851	1.098841	0.399953	2.58903	-1.54341	1.021426	0.13078	NaN	Low	3.85538	1.32268
47 TATTGCACTTGTC	1.035827	4.528326	1.485314	0	3.479177	7.709497	0	5.930882	2.34915	0.885362	6.493285	0.996036	3.658297	6.027865	8.86823	3.566914	1.191446	1.322851	0	0.399953	2.996421	-2.48553	1.036447	0.016479	NaN	Low	5.084891	0.90795
47 TATTGCACTTGTC	4057.335	3565.302	3183.027	5037.249	981.1278	1369.721	770.4086	3616.652	1341.365	1338.668	1596.266	4001.076	2586.748	4059.014	2719.098	2830.347	643.3809	2559.716	960.3869	746.7118	2398.18	-1.49051	0.57245	0.009221	0.040409	OK	3537.437	1258.923
47 TATTGCACTTGTC	469.2297	475.4743	353.5047	483.8768	146.1254	136.2011	72.77814	379.5764	246.6607	92.0777	219.6895	551.8039	325.5884	568.503	652.8003	549.3048	98.89002	207.6875	60.43625	71.59154	308.09	-2.16299	0.623516	0.000522	0.005151	OK	503.7057	112.4743
47_TATTGCACTTGTC	120.156	70.94378	49.01536	93.4025	45.2293	25.69832	17.67469	103.1973	75.17279	7.0829	69.26171	94.62341	84.4734	148.0594	310.3881	139.7041	21.44603	50.26832	14.28493	23.99716	78.20398	-1.89636	0.743983	0.010805	0.044025	OK	123.2898	33.11811
47 TATTGCACTTGTC	7.25079	10.56609	5.941255	3.891771	6.958353	0	1.039688	3.558529	7.04745	1.770725	3.246643	2.988108	3.658297	7.15809	24.63397	18.42906	2.382892	0	1.098841	0.399953	5.601025	-2.41599	0.97374	0.013096	NaN	Low	9.434285	1.767766
47 TATTGCACTTGTC	17.60906	4.528326	5.941255	10.37806	6.958353	5.139665	4.158751	11.86176	9.396599	0	9.739928	4.98018	9.977173	14.69292	40.8924	9.511772	2.382892	6.614253	4.395363	2.799669	9.097919	-1.3042	0.807351	0.106222	NaN	Low	12.95129	5.244552
47_TATTGCACTTGTC	1.035827	3.018884	0	1.297257	0	2.569832	0	0	0	0	0	0	1.995435	0.376742	3.448756	1.188971	0	0	0	0	0.746585	-1.71433	1.192045	0.150394	NaN	Low	1.144416	0.348755
47 TATTGCACTTGTC	395.686	626.4185	338.6515	560.415	208.7506	331.5084	96.69095	410.417	324.1827	64.63146	371.1995	626.5066	542.7582	629.1584	944.9592	375.1205	78.63544	247.3731	70.32581	59.59296	365.1491	-2.40709	0.635708	0.000153	0.001957	OK	614.4522	115.846
47 TATTGCACTTGTC	5.179136	3.018884	0	2.594514	3.479177	2.569832	0	2.372353	2.34915	0	1.082214	4.98018	2.328007	9.041798	7.882871	9.511772	0	7.937103	2.197682	1.199858	3.386227	-0.9528	0.945704	0.31369	NaN	Low	4.46547	2.306983
47_TATTGCACTTGTC	2665.183	6072.486	2808.728	5818.197	1061.149	2073.855	520.8835	3598.859	1249.748	1080.142	1990.192	5735.175	3769.044	4869.008	3465.507	2902.874	453.9409	1505.404	519.7517	443.9475	2630.204	-2.34022	0.667953	0.000459	0.004679	OK	4392.895	867.5127
47 TATTGCACTTGTC	126.3709	353.2095	154.4726	258.1541	45.2293	110.5028	17.67469	189.7882	70.4745	46.92421	104.9748	294.8266	168.2817	227.5519	165.5403	128.4089	17.87169	85.98529	26.37218	21.9974	130.7306	-2.29717	0.707917	0.001175	0.008833	OK	217.2577	44.2035
47 TATTGCACTTGTC	7.25079	16.60386	5.941255	10.37806	3.479177	2.569832	2.079375	9.489411	16.44405	1.770725	5.411071	16.93261	5.986304	7.911573	34.98024	16.6456	1.191446	3.968552	0	0.399953	8.471694	-3.59933	0.988467	0.000271	NaN	Low	15.65198	1.291406
47 TATTGCACTTGTC	1.035827	1.509442	0	1.297257	0	0	0	3.558529	1.174575	0.885362	2.164428	0.996036	1.33029	5.651124	7.390192	1.783457	0	0	0	0	1.438826	-2.48006	1.159516	0.032446	NaN	Low	2.440266	0.437386
47 TATTGCACTTGTC	17.60906	57.3588	19.30908	37.62045	17.39588	17.98883	1.039688	33.21294	16.44405	3.54145	11.90436	38.8454	25.27551	41.81831	73.90192	13.67317	5.95723	10.5828	2.197682	1.199858	22.34382	-3.23518	0.851915	0.000146	0.001896	OK	40.39755	4.290102
47 TATTGCACTTGTC	2.071654	4.528326	1.485314	0	3.479177	0	0	3.558529	2.34915	0	1.082214	1.992072	1.995435	4.144157	11.82431	1.188971	0	0	1.098841	0	2.039907	-1.53095	1.099605	0.16384	NaN	Low	3.030954	1.048861
47_TATTGCACTTGTC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.463397	0.594486	0	0	0	0	0.152894	-0.30657	0.874606	0.72595	NaN	Low	0.169078	0.13671
47 TATTGCACTTGTC	243.4194	1076.232	301.5187	748.5172	205.2714	552.514	70.69876	461.4226	217.2964	108.8996	334.4042	798.8208	555.396	667.2093	549.3376	258.6013	38.12627	136.2536	41.75595	36.79565	370.1245	-2.99022	0.726987	0.000039	0.000836	OK	657.5022	82.74693
47 TATTGCACTTGTC	3.107481	0	4.455941	7.783541	0	0	0	0	1.174575	0	0	0	0	0	0	0.594486	0	0	0	0.399953	0.875799	-0.66525	1.172269	0.570384	NaN	Low	1.074217	0.677381
47_TATTGCACTTGTC	5.179136	0	10.3972	3.891771	3.479177	2.569832	1.039688	1.186176	0	0.885362	2.164428	0.996036	0.997717	1.130225	0	1.188971	1.191446	0	0	0	1.814858	-2.54778	1.155249	0.027427	NaN	Low	3.099623	0.530093
47 TATTGCACTTGTT	7.25079	0	1.485314	2.594514	0	0	1.039688	2.372353	0	0	0	0.996036	0	0	0	0	0	0	1.098841	0	0.841877	-0.34462	1.189374	0.772009	NaN	Low	0.941952	0.741802
47 TATTGCACTTGTT	7.25079	1.509442	2.970628	1.297257	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.098841	0	0.706348	-0.15355	1.133573	0.892253	NaN	Low	0.743901	0.668795
47_TATTGCATTTGTC	6.214963	0	1.485314	1.297257	0	0	0	0	0	0	1.082214	0.996036	0.332572	0.376742	0	0	0	0	0	0	0.589255	-1.33211	1.189199	0.26264	NaN	Low	0.843487	0.335022
47 TGAAACATACACG	0	0	0	0	0	0	0	0	1.174575	0	0	0	0	0	0	0	0	1.322851	53.8432	0	2.817031	4.479286	1.650777	0.006659	NaN	Low	0.241755	5.392308
47 TGCACTACAGAAC	64.22128	1.509442	17.82377	38.91771	6.958353	12.84916	33.27001	2.372353	5.872875	31.87305	2.164428	75.69873	20.61949	1.130225	19.2145	43.39746	3.574338	3.968552	1.098841	0	19.32673	-3.59094	1.016536	0.000412	0.004406	OK	35.69146	2.961998
47 TTCACCACCTTCT	1.035827	0	0	0	0	5.139665	0	3.558529	1.174575	0	0	12.94847	1.995435	1.883708	0	8.917286	7.148676	1.322851	5.494204	1.599811	2.610952	0.303079	1.111238	0.785053	NaN	Low	2.337704	2.8842
47_TTCACCACCTTCT	4.143309	4.528326	4.455941	2.594514	13.91671	5.139665	1.039688	18.97882	14.0949	15.93652	6.493285	62.75026	18.29148	14.69292	20.19986	38.64157	21.44603	23.81131	46.15131	28.39664	18.28515	1.039536	0.784952	0.185393	0.321201	OK	11.96842	24.60189
47 TTCACCACCTTCT	0	1.509442	0	0	3.479177	2.569832	1.039688	5.930882	0	1.770725	1.082214	10.9564	3.325724	1.883708	7.882871	5.350372	2.382892	3.968552	7.691886	3.599575	3.221197	0.715264	0.882718	0.41777	NaN	Low	2.438653	4.00374
47 TTCACCACCTTCT	0	0	0	0	0	0	0	1.186176	0	0	0	3.984144	0	0.753483	2.463397	1.188971	0	1.322851	0	0	0.544951	-1.29622	1.187639	0.275085	NaN	Low	0.774523	0.315379
47_TTCACCACCTTCT	0	1.509442	1.485314	0	10.43753	2.569832	2.079375	3.558529	1.174575	1.770725	1.082214	24.9009	3.658297	1.883708	7.882871	8.917286	7.148676	3.968552	5.494204	5.999291	4.776066	0.254219	0.909016	0.779736	NaN	Low	4.356354	5.195778
47 TTCAGTCAGATGT	7.25079	1.509442	10.3972	2.594514	0	0	0	0	0	4.426812	3.246643	2.988108	1.995435	1.130225	6.897512	8.917286	2.382892	1.322851	1.098841	1.599811	2.887918	-0.94398	0.966602	0.328769	NaN	Low	3.8004	1.975436
47_TTGCAGCTGCCTG	1.035827	1.509442	0	0	0	2.569832	0	1.186176	1.174575	2.656087	1.082214	0.996036	0.332572	0.753483	0.492679	3.566914	2.382892	6.614253	6.593045	6.399244	1.967264	1.885994	0.834651	0.023845	NaN	Low	0.837833	3.096694
47_TTGCAGCTGCCTG	0	1.509442	0	1.297257	0	0	0	0	1.174575	0	1.082214	0	0	0	0	2.972429	0	0	2.197682	1.999764	0.611668	1.337996	1.18277	0.257954	NaN	Low	0.346751	0.876586
47 TTGCAGCTGCCTG	1.035827	3.018884	0	0	10.43753	0	0	0	2.34915	0.885362	0	0	0.332572	0.376742	0	1.783457	1.191446	5.291402	5.494204	2.399716	1.729815	1.250879	1.055995	0.236195	NaN	Low	1.0236	2.436029
47_TTGTGCAAATCTA	1.035827	1.509442	0	0	0	0	0	0	0	1.770725	3.246643	1.992072	2.993152	2.260449	1.478038	0.594486	0	2.645701	0	0.799905	1.016322	-0.9022	1.074448	0.401084	NaN	Low	1.324137	0.708507
47_TTTACCACCTTCT	1.035827	0	1.485314	0	3.479177	0	0	5.930882	0	0	0	4.98018	0	0.376742	2.463397	0	1.191446	0	2.197682	0.399953	1.17703	0.073206	1.162815	0.949802	NaN	Low	1.147174	1.206886
47 TTTCAGTCGGATG	1.035827	3.018884	2.970628	1.297257	0	2.569832	0	2.372353	0	4.426812	2.164428	0.996036	1.33029	1.506966	1.970718	0	1.191446	1.322851	0	0.799905	1.448712	-1.17483	0.993908	0.237194	NaN	Low	2.008005	0.889418
47 TTTCAGTCGGATG	12.42993	13.58498	10.3972	6.486284	3.479177	2.569832	14.55563	7.117058	9.396599	35.4145	11.90436	8.964323	3.658297	17.70685	7.882871	0.594486	29.78615	11.90566	2.197682	5.199386	10.76156	-1.39458	0.775202	0.07202	0.169076	OK	15.59245	5.930673
47_TTTCAGTCGGATG	4.143309	13.58498	2.970628	1.297257	0	7.709497	10.39688	5.930882	2.34915	16.82189	8.657714	6.972252	2.993152	13.18596	5.912153	0	9.531568	3.968552	0	3.999527	6.021267	-1.27563	0.867079	0.141241	NaN	Low	8.522409	3.520125
47 TTTCAGTCGGATG	0	1.509442	0	1.297257	0	0	1.039688	0	1.174575	0.885362	2.164428	0	1.33029	3.767416	1.478038	0.594486	0	1.322851	0	0	0.828192	-2.16	1.175739	0.066188	NaN	Low	1.353525	0.302859
47 TTTCAGTCGGATG	1.035827	3.018884	2.970628	0	0	5.139665	7.277814	5.930882	4.6983	13.28044	5.411071	3.984144	1.662862	7.534831	3.448756	1.188971	9.531568	3.968552	1.098841	1.199858	4.119095	-1.63777	0.865674	0.058504	NaN	Low	6.234664	2.003525
47_TTTCAGTCGGATG	1.035827	0	0	0	0	2.569832	1.039688	2.372353	1.174575	1.770725	0	0.996036	0.332572	3.767416	1.970718	0.594486	3.574338	1.322851	0	2.399716	1.246057	0.083277	0.973403	0.931822	NaN	Low	1.210103	1.28201
48 AAAGCTGGGTTG	7.25079	0	1.485314	1.297257	0	2.569832	5.198438	11.86176	1.174575	0.885362	0	0	0.665145	1.130225	0	0.594486	0	2.645701	12.08725	2.399716	2.562293	1.376662	1.042221	0.186537	NaN	Low	1.424814	3.699771
48 AAAGCTGGGTTG	4.143309	0	0	1.297257	3.479177	2.569832	4.158751	23.72353	4.6983	0.885362	1.082214	3.984144	1.33029	1.883708	1.478038	2.972429	1.191446	6.614253	2.197682	2.799669	3.524469	-0.40618	0.928705	0.66185	NaN	Low	4.017361	3.031578
48_AAAGCTGGGTTG	4.143309	1.509442	0	0	6.958353	0	1.039688	22.53735	0	0	0	0	0.997717	2.637191	0.985359	5.944857	0	2.645701	1.098841	1.599811	2.604881	-0.6111	1.141363	0.592363	NaN	Low	3.14847	2.061292
48 AAAGCTGGGTTG	11.3941	0	0	0	10.43753	0	6.238126	26.09588	4.6983	0.885362	1.082214	4.98018	1.662862	1.506966	1.970718	7.133829	0	1.322851	1.098841	3.599575	4.205367	-0.60827	1.049505	0.562197	NaN	Low	5.079003	3.33173
48 AAAGCTGGGTTG	0	0	0	0	0	0	2.079375	11.86176	0	0	0	2.988108	0.332572	0.376742	0	1.188971	0	0	1.098841	0.399953	1.016316	-0.27397	1.193261	0.818404	NaN	Low	1.112528	0.920105
48_AAAGCTGGGTTG	2.071654	1.509442	0	0	0	0	0	15.42029	1.174575	0.885362	0	0.996036	0	0.376742	0	0	0	0	2.197682	0.399953	1.251587	-0.00152	1.192177	0.998982	NaN	Low	1.252247	1.250927
48 AAGCCCTTACCCC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.799669	0.139983	1.763912	1.524861	0.247367	NaN	Low	0.063684	0.216283
48 AGACTGAAGCTCC	1.035827	1.509442	0	0	3.479177	0	0	1.186176	1.174575	2.656087	1.082214	0	2.993152	0.753483	0.985359	4.755886	0	0	0	0.399953	1.100567	-1.41563	1.120231	0.206341	NaN	Low	1.601002	0.600131
48_AGACTGAAGCTCC	2.071654	1.509442	0	0	3.479177	0	1.039688	0	2.34915	0.885362	1.082214	0.996036	1.662862	0.376742	0.492679	2.377943	0	1.322851	1.098841	0	1.037232	-1.06702	1.066937	0.317273	NaN	Low	1.404223	0.670241
48 AGTAGTCTGCACA	2.071654	0	7.426569	0	0	0	0	0	2.34915	0.885362	2.164428	0	0.332572	0.376742	0.492679	0	0	0	1.098841	0	0.8599	-0.49313	1.181041	0.676284	NaN	Low	1.005448	0.714352
48 ATACTGTAAACGC	0	7.547211	8.911883	5.189028	3.479177	2.569832	4.158751	2.372353	2.34915	0.885362	2.164428	0.996036	2.328007	3.390674	1.478038	0.594486	2.382892	0	1.098841	0.799905	2.634803	-1.2519	0.913233	0.170423	NaN	Low	3.711265	1.558341
48_ATCATACAAGGAC	1.035827	0	0	0	0	0	0	0	1.174575	0.885362	1.082214	0	0	0.376742	0	0	0	0	9.889567	0	0.722214	2.613868	1.187287	0.027697	NaN	Low	0.202829	1.2416
48 ATCATACAAGGAC	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0	0	0	0	5.494204	0	0.293547	2.350812	1.702562	0.167356	NaN	Low	0.096227	0.490867
48 ATCATACAAGGAC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.494204	0	0.27471	2.460333	1.655656	0.137275	NaN	Low	0.084482	0.464939
48_ATTGCACTTGTCC	7.25079	21.13219	25.25033	25.94514	3.479177	15.41899	2.079375	28.46823	7.04745	11.50971	8.657714	22.90883	13.3029	17.70685	25.61933	14.26766	0	18.51991	2.197682	0.799905	13.57811	-2.92982	0.821679	0.000363	0.004021	OK	24.0059	3.150313
48 CACTCCTCTCCTC	3.107481	0	0	9.080798	0	0	0	0	0	0.885362	0	1.992072	0	0	2.463397	1.188971	0	0	0	0	0.935904	-1.26749	1.185861	0.285142	NaN	Low	1.322477	0.549331
48 CATATGTCTGCTG	1.035827	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.593045	0	0.381444	2.175734	1.699582	0.20049	NaN	Low	0.13825	0.624637
48_CATATGTCTGCTG	1.035827	0	1.485314	2.594514	0	0	0	1.174575	0.885362	0	0.996036	1.33029	0.753483	1.478038	0.594486	1.191446	2.645701	314.2685	0		16.52168	6.016493	1.009221	2.5E-09	8.21E-07	OK	0.502669	32.54069
48 CATATGTCTGCTG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.492679	0.594486	0	0	39.55827	0	2.032272	4.635671	1.624036	0.004312	NaN	Low	0.157184	3.90736
48 CGGCTCTGGGTCT	0	0	0	0	0	0	0	0	2.34915	0.885362	0	0	0	0	0	0	1.191446	0	3.296522	2.399716	0.50611	2.085215	1.193209	0.080539	NaN	Low	0.193047	0.819173
48_GCACTACAGAACT	22.7882	3.018884	4.455941	9.080798	3.479177	0	14.55563	0	0	12.39507	1.082214	37.84937	6.651449	0.376742	5.912153	22.59046	0	1.322851	0	0.399953	7.297944	-2.69857	1.113893	0.015408	NaN	Low	12.64758	1.948305
48 TACAGTACTGTGA	9.322444	1.509442	8.911883	2.594514	0	2.569832	1.039688	0	0	2.656087	0	4.98018	0.997717	1.883708	1.478038	0.594486	0	1.322851	0	0.399953	2.013041	-1.92067	1.101185	0.081127	NaN	Low	3.184859	0.841223
48 TACAGTACTGTGA	19.68072	4.528326	8.911883	5.189028	0	5.139665	6.238126	1.186176	3.523725	21.2487	5.411071	22.90883	7.316594	3.013933	2.956077	0	1.191446	1.322851	3.296522	1.599811	6.233174	-1.20762	0.937426	0.197666	NaN	Low	8.699584	3.766763
48_TACAGTACTGTGA	13.46575	3.018884	17.82377	11.67531	0	0	18.71438	1.186176	4.6983	47.80957	20.56207	35.85729	19.95435	14.69292	12.31699	2.972429	1.191446	2.645701	2.197682	3.999527	11.73913	-1.61045	0.934921	0.08497	0.192116	OK	17.68612	5.792138
48 TACAGTACTGTGA	71.47207	16.60386	35.64753	24.64788	13.91671	7.709497	47.82563	14.23412	14.0949	97.38987	48.69964	83.66702	43.23442	33.53	33.5022	11.29523	16.68024	15.87421	5.494204	19.19773	32.73585	-1.33075	0.708396	0.060307	0.152079	OK	46.8471	18.6246
48 TACAGTACTGTGA	50.75553	27.16996	57.92724	19.45885	17.39588	15.41899	35.34938	22.53735	21.14235	76.14117	41.12414	52.7899	45.895	44.83225	43.35579	29.72429	13.10591	5.291402	10.98841	23.59721	32.70005	-0.91812	0.591167	0.120406	0.241793	OK	42.76763	22.63247
48_TACAGTACTGTGA	5.179136	1.509442	7.426569	2.594514	0	0	4.158751	4.744705	2.34915	10.62435	3.246643	0	2.66058	3.767416	3.941436	2.972429	3.574338	1.322851	3.296522	3.599575	3.34842	-0.02094	0.706974	0.976371	NaN	Low	3.37272	3.32412
48 TACAGTACTGTGA	212.3446	73.96266	98.03071	90.80798	45.2293	64.24581	164.2707	77.10146	59.90332	208.0602	141.7701	173.3103	137.685	140.1479	126.1259	80.85006	66.72098	97.89094	79.11654	91.18922	111.4382	-0.4165	0.459896	0.365127	0.511385	OK	127.4132	95.46312
48 TACAGTACTGTGA	22.7882	10.56609	32.6769	3.891771	10.43753	5.139665	28.07157	18.97882	7.04745	55.77784	30.302	38.8454	36.91554	32.77652	38.92168	24.9684	23.82892	15.87421	9.889567	27.99669	23.78474	-0.33422	0.631995	0.596925	0.714583	OK	26.52748	21.04199
48_TACAGTACTGTGA	23.82402	4.528326	13.36782	18.1616	20.87506	7.709497	23.91282	11.86176	7.04745	40.72667	44.37078	81.67495	21.94978	34.28348	28.08273	13.07869	8.340122	7.937103	7.691886	11.19868	21.53116	-1.14659	0.712091	0.10736	0.2238	OK	29.66354	13.39878
48 TACAGTACTGTGA	230.9895	66.41545	92.08945	80.42993	41.75012	59.10615	173.6278	35.58529	64.60162	269.1502	158.0033	256.9773	187.9034	196.2824	156.6721	54.69269	61.95519	43.65407	20.87798	51.99386	115.1379	-1.61157	0.651096	0.013318	0.051274	OK	173.4994	56.77638
48 TACAGTACTGTGA	18.64489	3.018884	25.25033	5.189028	10.43753	17.98883	14.55563	4.744705	14.0949	53.12175	10.82214	6.972252	9.977173	13.18596	13.79502	2.377943	26.21181	5.291402	4.395363	15.59816	13.78368	-0.4142	0.739299	0.575303	0.701337	OK	15.74886	11.81851
48_TACAGTACTGTGA	175.0548	55.84936	123.281	59.67382	55.66683	48.82682	126.8419	18.97882	65.7762	421.4325	87.65935	51.79387	77.48938	86.65056	79.32139	43.99194	83.40122	43.65407	26.37218	77.99078	90.48534	-0.77655	0.682882	0.25547	0.402073	OK	114.2663	66.70435
48 TACAGTACTGTGA	10.35827	3.018884	2.970628	2.594514	0	0	4.158751	1.186176	4.6983	11.50971	3.246643	7.968287	9.644601	6.404607	6.897512	2.972429	4.765784	1.322851	1.098841	1.599811	4.32083	-1.58979	0.803991	0.047999	NaN	Low	6.486668	2.154992
48 TACAGTACTGTGA	7.25079	1.509442	14.85314	3.891771	3.479177	7.709497	15.59531	2.372353	3.523725	14.1658	3.246643	11.95243	13.63547	7.15809	5.419474	1.783457	4.765784	0	2.197682	1.999764	6.32549	-1.48922	0.814162	0.067379	NaN	Low	9.328213	3.322767
48_TACAGTACTGTGA	3.107481	0	5.941255	1.297257	0	2.569832	4.158751	0	0	7.0829	4.328857	18.92468	2.993152	3.013933	2.463397	2.377943	0	0	0	0.399953	2.93297	-2.23719	1.101573	0.042265	NaN	Low	4.839489	1.02645
48 TACAGTACTGTGA	19.68072	9.056653	1.485314	6.486284	3.479177	5.139665	10.39688	1.186176	5.872875	5.312175	5.411071	11.95243	3.325724	3.390674	1.478038	4.1614	1.191446	1.322851	0	1.599811	5.096468	-2.01855	0.894893	0.024094	NaN	Low	8.175236	2.0177
48 TATACAAGGGCA	0	1.509442	1.485314	2.594514	3.479177	0	0	0	0	0.885362	0	1.992072	0.332572	1.506966	0.985359	2.377943	0	2.645701	75.82002	0	4.780722	4.057802	1.043912	0.000101	NaN	Low	0.5416	9.019844
48 TATAGTACTGTGA	16.57323	6.037769	2.970628	12.97257	6.958353	5.139665	14.55563	2.372353	5.872875	4.426812	6.493285	6.972252	6.318876	2.260449	2.956077	2.377943	1.191446	1.322851	2.197682	0.799905	5.538533	-1.81695	0.833	0.029168	NaN	Low	8.628204	2.448861
48 TATAGTACTGTGA	20.71654	7.547211	4.455941	9.080798	0	0	9.357189	2.372353	3.523725	4.426812	4.328857	8.964323	4.323442	5.274382	1.970718	0.594486	2.382892	0	0	0.399953	4.485981	-2.87808	1.028469	0.005135	NaN	Low	7.897699	1.074264
48 TATGCAAGGGCA	0	0	1.485314	1.297257	0	0	1.039688	0	0	1.770725	1.082214	0	0.332572	1.883708	0.492679	0	0	0	58.23856	0.799905	3.421131	4.45654	1.041266	1.87E-05	NaN	Low	0.298061	6.544202
48 TATGCAGGGGCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0.492679	0	0	0	5.494204	0	0.318181	2.375648	1.719871	0.167188	NaN	Low	0.10281	0.533552
48 TATTCATTTATCC	0	1.509442	0	0	0	2.569832	6.238126	1.186176	0	6.197537	0	0.996036	1.33029	0.376742	0.985359	0.594486	1.191446	2.645701	0	1.999764	1.391047	-0.23565	1.05958	0.824003	NaN	Low	1.504402	1.277692
48 TATTCATTTATCC	1.035827	0	0	0	0	2.569832	1.039688	1.186176	0	0.885362	1.082214	0.996036	0.997717	0.376742	1.970718	0.594486	1.191446	0	2.197682	1.999764	0.906185	1.144667	0.883593	0.195159	NaN	Low	0.564434	1.247935
48 TATTCATTTATCC	0	0	0	0	0	0	1.039688	1.186176	0	5.312175	2.164428	3.984144	0.332572	1.130225	0.985359	0.594486	1.191446	0	0	0	0.896035	-2.02012	1.182583	0.087595	NaN	Low	1.437638	0.354432
48 TCAACAGACATTA	1.035827	0	5.941255	1.297257	0	0	1.039688	1.186176	0	0	8.657714	0	0.332572	0	0	3.566914	1.191446	7.937103	7.691886	5.999291	2.293857	1.396124	1.101948	0.20517	NaN	Low	1.263159	3.324554
48 TCTAATACTGTCT	1.035827	1.509442	1.485314	1.297257	0	0	1.039688	0	1.174575	0.885362	0	0.996036	1.662862	0	0	2.377943	4.765784	1.322851	5.494204	4.799433	1.492329	1.866179	0.884977	0.034968	NaN	Low	0.642462	2.342196
48 TGTGCAAATCTAT	4.143309	9.056653	1.485314	2.594514	0	0	2.079375	0	0	0	4.328857	1.992072	2.328007	3.390674	1.478038	4.1614	3.574338	1.322851	1.098841	3.999527	2.351688	0.161906	0.845633	0.848164	NaN	Low	2.219868	2.483509
48 TGTGCAAATCTAT	8.286617	4.528326	0	2.594514	10.43753	5.139665	0	2.372353	5.872875	3.54145	3.246643	8.964323	5.986304	27.50213	4.434115	5.944857	3.574338	0	5.494204	2.399716	5.515998	-0.50953	0.887802	0.56602	NaN	Low	6.480066	4.55193
48 TGTGCAAATCTAT	178.1623	111.6987	11.88251	75.2409	233.1048	53.96648	31.19063	30.84059	39.93555	116.8678	99.56371	79.68287	118.3958	465.2758	119.2284	97.49566	63.14664	66.14253	39.55827	107.9872	106.9684	-0.51782	0.739277	0.483649	0.621745	OK	125.9618	87.9749
48 TGTGCAAATCTAT	15.53741	15.09442	1.485314	2.594514	24.35424	15.41899	4.158751	3.558529	1.174575	14.1658	18.39764	24.9009	28.60123	84.39011	24.63397	13.67317	10.72301	13.22851	3.296522	8.399007	16.38933	-1.3175	0.857345	0.124361	0.246224	OK	23.3928	9.385863
48 TGTGCAAATCTAT	20.71654	6.037769	2.970628	6.486284	10.43753	5.139665	0	5.930882	2.34915	4.426812	2.164428	5.976216	5.986304	10.54876	2.956077	1.188971	0	0	0	1.999764	4.765789	-1.65096	0.963302	0.086556	NaN	Low	7.229498	2.302081
48 TGTGCAAATCTAT	16.57323	7.547211	2.970628	9.080798	10.43753	0	3.119063	4.744705	2.34915	2.656087	0	4.98018	3.990869	13.18596	2.463397	5.944857	1.191446	0	0	1.599811	4.641746	-1.86891	0.952852	0.049834	NaN	Low	7.28814	1.995353

48 TGTGCAAATCTAT	20.71654	10.56609	2.970628	7.783541	55.66683	10.27933	4.158751	2.372353	12.92032	5.312175	7.5755	13.9445	6.984021	15.06966	4.434115	3.566914	2.382892	1.322851	4.395363	7.599102	10.00107	-0.5911	0.798657	0.45923	0.605348	OK	12.0217	7.98045
48 TGTGTAAATCTAT	7.25079	1.509442	4.455941	3.891771	31.31259	7.709497	2.079375	1.186176	2.34915	0	0	0	1.662862	8.288315	0.985359	1.188971	1.191446	1.322851	0	1.599811	3.899217	-1.41722	1.060912	0.1816	NaN	Low	5.673923	2.124512
48 TTCAACGGGTATT	0	1.509442	1.485314	0	0	0	3.119063	0	0	1.770725	0	0	0	0.753483	0.492679	2.377943	1.191446	0	108.7852	64.39239	9.293886	6.007766	0.824889	3.26E-13	NaN	Low	0.284454	18.30332
48 TTCAACGGGTATT	0	0	0	0	0	2.569832	0	0	0	0	0	0	0	0.376742	0	1.188971	1.191446	1.322851	10.98841	10.39877	1.401851	3.98232	1.030362	0.000111	NaN	Low	0.166836	2.636866
48 TTCAACGGGTATT	1.035827	0	0	0	0	0	0	0	0	0.885362	0	0	0	0	0	0	1.191446	0	3.296522	3.199622	0.480439	2.698253	1.181735	0.022413	NaN	Low	0.128285	0.832593
48 TTCAACGGGTATT	0	0	0	0	0	0	0	1.186176	0	0	0	0	0	0.376742	0	0	0	0	17.58145	8.399007	1.377169	5.086274	1.097722	3.6E-06	NaN	Low	0.078758	2.675579
49 AAAAGCTGGGTT(	2.071654	0	0	0	0	0	0	1.186176	0	0	1.082214	0.996036	2.328007	0.376742	0	0	0	1.322851	5.494204	3.199622	0.902875	2.159802	1.064717	0.042507	NaN	Low	0.330207	1.475543
49 AAAAGCTGGGTT(	1.035827	0	0	0	0	0	0	0	0	0	1.082214	0.996036	0	1.506966	0	0.594486	0	1.322851	1.098841	3.599575	0.56184	1.824858	1.125554	0.104954	NaN	Low	0.247358	0.876321
49 AAAAGCTGGGTT(	7.25079	0	0	0	0	2.569832	2.079375	2.372353	0	0	0	0.996036	0	0	0.492679	0	0	0	1.098841	0	0.842995	-0.33776	1.189893	0.776518	NaN	Low	0.941228	0.744763
49 AAACAAACATGG1	1.035827	0	0	0	0	0	0	0	0	0	0	0	0	0	0.492679	0	0	0	6.593045	0	0.406078	2.316501	1.720292	0.178118	NaN	Low	0.135784	0.676371
49 AAACAAACATGG1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.970718	0	0	1.322851	18.68029	0	1.098693	2.675228	1.719307	0.11971	NaN	Low	0.297451	1.899936
49 AACACACCTGGTT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.593045	0	0.329652	2.692449	1.680537	0.109125	NaN	Low	0.08833	0.570974
49 AAGCTGGGTTGA(	6.214963	0	0	3.891771	0	0	5.198438	17.79265	1.174575	0.885362	0	2.988108	0.332572	0	0.492679	3.566914	0	1.322851	5.494204	0.399953	2.487752	0.126693	1.123138	0.910187	NaN	Low	2.378588	2.596915
49 AAGCTGGGTTGA(	3.107481	0	1.485314	0	3.479177	0	3.119063	18.97882	1.174575	0	1.082214	0	0.332572	0	0.492679	0.594486	0	1.322851	0	0.799905	1.798457	-1.10838	1.169676	0.343337	NaN	Low	2.457218	1.139696
49 AAGCTGGGTTGA(	4.143309	1.509442	2.970628	0	3.479177	0	1.039688	16.60647	3.523725	0	2.164428	0	0.665145	1.506966	0	2.972429	0	0	0	1.199858	2.089063	-1.04873	1.134293	0.35519	NaN	Low	2.816602	1.361525
49 AAGCTGGGTTGA(	0	0	0	0	0	2.569832	1.039688	8.303235	2.34915	0	1.082214	0.996036	0.665145	0.753483	0.492679	0	0	0	0	0	0.912573	-1.75925	1.191236	0.139722	NaN	Low	1.408942	0.416204
49 AAGCTGGGTTGA(	2.071654	1.509442	0	1.297257	0	0	3.119063	15.42029	3.523725	0	1.082214	0.996036	0.332572	0.376742	0	1.783457	0	0	1.098841	0.799905	1.67056	-0.59378	1.124031	0.59732	NaN	Low	2.009569	1.331551
49 AATATAACACAGA	0	0	0	0	0	0	0	1.186176	0	0	0	0	0	0	0	0	0	0	7.691886	0	0.443903	2.299907	1.707183	0.177918	NaN	Low	0.149859	0.737947
49 AATTGCACGGTAT	2.071654	0	7.426569	0	0	0	0	0	0	0	1.082214	0	0	0	0	0	0	0	0	0	0.529022	-0.55714	1.043887	0.593539	NaN	Low	0.62992	0.428124
49 AATTGCACGGTAT	5.179136	0	4.455941	9.080798	3.479177	0	1.039688	1.186176	1.174575	3.54145	0	1.992072	0.997717	0.753483	2.956077	4.1614	0	1.322851	1.098841	0	2.120969	-1.74442	1.048185	0.096066	NaN	Low	3.266917	0.975022
49 AATTGCACGGTAT	140.8725	37.73605	86.1482	110.2668	3.479177	33.40782	35.34938	48.63323	15.26947	33.64377	20.56207	98.60756	26.6058	18.0836	31.53149	80.85006	4.765784	59.52828	10.98841	0.399953	44.83647	-2.67513	0.835517	0.001366	0.009651	OK	77.53357	12.13937
49 AATTGCACGGTAT	1124.908	454.3421	803.5548	1141.586	93.93777	187.5978	491.7723	423.465	283.0726	346.1767	225.1006	621.5264	268.7185	247.5192	487.7527	548.7103	26.21181	781.8047	90.10495	12.79849	433.033	-2.83113	0.744753	0.000144	0.001891	OK	759.3594	106.7067
49 AATTGCACGGTAT	284.8525	202.2652	331.225	420.3112	48.70847	115.6425	114.3656	238.4214	146.8219	81.45335	101.7281	75.69873	117.7306	155.2175	277.3785	400.0889	7.148676	338.6497	27.47102	3.999527	174.4589	-3.17563	0.757942	2.79E-05	0.000655	OK	314.15	34.76788
49 AATTGCACGGTAT	248.5985	226.4163	212.3999	452.7427	62.62518	223.5754	220.4138	219.4426	130.3778	138.1165	149.3456	297.8147	188.9011	178.1988	321.227	274.0579	13.10591	337.3269	32.96522	2.799669	196.5226	-3.28636	0.678399	1.27E-06	0.000104	OK	356.5049	36.54025
49 AATTGCACGGTAT	29.00316	19.62275	20.79439	28.53965	0	10.27933	14.55563	13.04794	15.26947	7.968262	2.164428	2.988108	2.66058	5.274382	5.419474	7.133829	0	6.614253	0	0	9.566782	-4.16919	1.055405	0.000078	NaN	Low	18.12604	1.007519
49 AATTGCACGGTAT	32.11064	39.2455	37.13284	42.80948	0	25.69832	23.91282	20.165	28.1898	7.0829	3.246643	1.992072	4.656014	6.027865	7.390192	11.29523	0	10.5828	0	0	15.07691	-4.3524	1.047568	3.26E-05	0.000747	OK	28.74652	1.407288
49 AATTGTACGGTAT	208.2013	105.6609	155.9579	250.3706	13.91671	77.09497	41.58751	55.75029	96.31514	24.79015	17.31543	24.9009	9.977173	21.09753	25.12665	46.96437	0	22.48846	2.197682	0	59.98568	-4.14151	0.978036	NaN	NaN	Outlier	113.5382	6.433148
49 AATTGTACGGTAT	31.07481	24.15107	25.25033	37.62045	13.91671	5.139665	6.238126	21.35117	3.523725	1.770725	4.328857	1.992072	2.993152	3.767416	7.882871	14.86214	0	1.322851	0	0	10.35931	-3.97255	1.069928	0.000205	0.002525	OK	19.47787	1.240747
49 ACTGCTGAGCTA(	2.071654	3.018884	5.941255	2.594514	13.91671	2.569832	4.158751	3.558529	16.44405	4.426812	8.657714	7.968287	6.651449	6.404607	21.18522	20.807	5.95723	5.291402	21.97682	19.99764	9.179917	1.269122	0.659875	0.054445	NaN	Low	5.38388	12.97595
49 ACTGCTGAGCTA(	0	0	0	0	0	2.569832	0	0	0	0	1.082214	0	0.665145	0	2.956077	0.594486	0	0	2.197682	1.199858	0.563265	1.156224	1.17688	0.325879	NaN	Low	0.348908	0.777622
49 ACTGCTGAGCTA(	0	0	0	0	0	0	0	0	0	1.770725	0	0	0.332572	0	1.970718	1.783457	1.191446	0	1.098841	1.999764	0.507376	1.120225	1.17361	0.339825	NaN	Low	0.319727	0.695025
49 ACTGTTGAGCTA(	5.179136	0	0	0	3.479177	0	0	1.186176	1.174575	0	1.082214	0	0.332572	0	0.492679	1.783457	0	0	0	0	0.735499	-1.55759	1.193416	0.19184	NaN	Low	1.097992	0.373007
49 AGCAGCATTGTA(	23.82402	1.509442	10.3972	9.080798	17.39588	0	8.317501	2.372353	7.04745	5.312175	9.739928	2.988108	1.995435	0.753483	0.492679	2.972429	1.191446	7.937103	17.58145	4.799433	6.785416	0.719812	0.869816	0.407928	NaN	Low	5.126936	8.443896
49 AGCAGCATTGTA(	73.54373	9.056653	40.10347	14.26983	0	25.69832	17.67469	9.489411	24.66607	7.0829	7.5755	7.968287	28.60123	4.520899	2.956077	11.88971	9.531568	43.65407	50.54668	52.79376	22.08114	1.282541	0.790805	0.104843	0.220887	OK	12.86529	31.297
49 AGCAGCATTGTA(	8.286617	3.018884	4.455941	7.783541	0	0	4.158751	5.930882	4.6983	1.770725	3.246643	0.996036	5.321159	3.767416	4.926795	5.944857	4.765784	14.55136	10.98841	12.39853	5.350532	1.209952	0.566271	0.032622	NaN	Low	3.229731	7.471332
49 AGCAGCATTGTA(	32.11064	16.60386	11.88251	10.37806	10.43753	5.139665	32.23032	32.02676	22.31692	28.3316	10.82214	14.94054	19.95435	11.30225	11.33163	43.39746	33.36049	42.33122	70.32581	54.39357	25.68087	1.425806	0.537076	0.007937	0.036062	OK	13.93184	37.4299
49 AGCAGCATTGTA(	15.53741	27.16996	29.70628	32.43142	69.58353	10.27933	41.58751	22.53735	10.57117	16.82189	15.151	47.80972	27.27094	19.9673	21.18522	104.6295	5.95723	59.52828	189.0006	95.98866	43.13572	1.978865	0.66316	0.002845	0.016698	OK	17.45739	68.81404
49 AGCAGCATTGTA(	0	0	1.485314	1.297257	3.479177	0	0	0	0	0	0	0	0.997717	0	1.970718	1.188971	0	0	2.197682	2.799669	0.770825	1.584834	1.113422	0.154623	NaN	Low	0.385438	1.156212
49 AGCAGCATTGTA(	1.035827	0	0	0	0	5.139665	0	0	0	0	1.082214	0.996036	1.33029	0.376742	0	2.972429	0	0	1.098841	1.199858	0.761595	0.494483	1.136653	0.663538	NaN	Low	0.63234	0.89085
49 AGCAGCATTGTA(	3.107481	4.528326	5.941255	6.486284	6.958353	7.709497	8.317501	10.67559	4.6983	5.312175	12.98657	5.976216	14.30062	9.418539	3.941436	7.133829	7.148676	15.87421	15.38377	11.19868	8.354865	0.684229	0.497969	0.169429	NaN	Low	6.409949	10.29978
49 AGCAGCATTGTA(	0	1.509442	0	0	0	0	0	1.186176	0	0.885362	1.082214	1.992072	0.665145	1.130225	1.970718	0.594486	2.382892	1.322851	1.098841	3.199622	0.951002	1.149987	0.899738	0.201201	NaN	Low	0.590846	1.311158
49 ATCATGGAGGAA/	2.071654	0	0	0	0	0	0	0	0	0	1.082214	0	0.332572	0.376742	0	0	0	0	30.76754	0	1.731536	3.862163	1.555534	0.013033	NaN	Low	0.222819	3.240254
49 ATCATGGAGGAA/	0	0	0	0	0	0	0	0	0	0.885362	1.082214	0	0	0	0	0	0	0	5.494204	0	0.373089	1.94969	1.107953	0.078455	NaN	Low	0.153443	0.592736
49 ATGATCATGTATG	4.143309	3.018884	0	15.56708	13.91671	33.40782	4.158751	9.489411	2.34915	1.770725	1.082214	1.992072	0.997717	1.883708	6.404833	1.783457	3.574338	5.291402	0	0.799905	5.581574	-2.47776	1.018756	0.01501	NaN	Low	9.464123	1.699026
49 CAAGCTCGCTTCT	1.035827	0	0	0	0	10.27933	1.039688	0	14.0949	0.885362	9.739928	5.976216	0	0.376742	0.985359	0	0	0	2.197682	0.799905	2.370547	-0.40959	1.174843	0.727362	NaN	Low	2.704814	2.036279
49 CAAGCTCGCTTCT	1.035827	0	1.485314	1.297257	0	64.24581	1.039688	0	52.85587	3.54145	56.27514	44.82162	1.662862	2.260449	6.404833	0	4.765784	7.937103	3.296522	3.199622	12.80626	-1.24708	1.13662	0.272562	0.420572	OK	18.02049	7.59203
49_CAAGCTCGCTTCT	0	0	0	0	0	17.98883	0	0	4.6983	0	7.5755	6.972252	1.33029	0	1.478038	0	0	1.322851	0	0.399953	2.0883	-1.17265	1.193225	0.325728	NaN	Low	2.893172	1.283429
49 CAGCATTGTACAG	1.035827	0	0	0	0	0	0	0	0	0.885362	0	0.996036	0	0	0	1.188971	0	0	1.098841	1.999764	0.36024	1.604835	1.187818	0.17667	NaN	Low	0.178266	0.542214
49 CAGCATTGTACAG	7.25079	4.528326	10.3972	6.486284	3.479177	5.139665	6.238126	4.744705	15.26947	3.54145	4.328857	3.984144	5.321159	5.274382	5.912153	10.10626	1.191446	10.5828	10.98841	12.79849	6.878165	0.875107	0.502194	0.081409	NaN	Low	4.853786	8.902543
49_CAGCATTGTACAG	3.107481	1.509442	19.30908	2.594514	0	5.139665	4.158751	9.489411	9.396599	5.312175	6.493285	4.98018	6.318876	1.130225	4.434115	11.88971	4.765784	5.291402	16.48261	15.99811	6.890071	1.344668	0.637925	0.035042	NaN	Low	3.893006	9.887137
49 CAGCATTGTACAG	1.035827	0	0	0	0	0	0	0	0	0	0	0	1.995435	0.376742	0.492679	0.594486	1.191446	2.645701	2.197682	1.199858	0.586493	1.153972	1.096221	0.292487	NaN	Low	0.363687	0.809298
49 CTAATACTGTCTG	6.214963	3.018884	4.455941	2.594514	10.43753	0	1.039688	0	1.174575	4.426812	0	0.996036	5.653732	0.376742	0	11.29523	11.91446	3.968552	2.197682	18.79778	4.428156	1.22649	0.985375	0.213244	NaN	Low	2.651614	6.204697
49 CTAATACTGTCTG	18.64489	52.83047	28.22096	10.37806	31.31259	7.709497	9.357189	0	15.26947	17.70725	1.082214	4.98018	27.27094	0	0	35.07466	57.18941	5.291402	8.790727	76.79093	20.39504	0.974173	1.030273	0.344379	0.49213	OK	13.75945	27.03063
49 CTAGCACCATTTG	1.035827	0	0	1.297257	0	0	5.198438	0	0	3.54145	1.082214	2.988108	1.33029	0.376742	0	0	2.382892	0	0	0.399953	0.981659	-1.18825	1.163635	0.307182	NaN	Low	1.364519	0.598798
49 CTAGCACCATTTG	3.107481	3.018884	0	3.891771	0	0	3.119063	0	0	2.656087	3.246643	0.996036	2.328007	0.753483	0.492679	0.594486	2.382892	3.968552	1.098841	1.199858	1.642738	-0.46552	0.91633	0.611438	NaN	Low	1.905494	1.379982
49 CTAGCACCATTTG	1.035827	0	0	1.297257	0	0	4.158751	2.372353	2.34915	2.656087	1.082214	0.996036	1.995435	0.753483	0.985359	0.594486	0	0	0	0.799905	1.053817	-0.91171	1.031277	0.376665	NaN	Low	1.37614	0.731494
49 CTGCTGGGGTGG.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.494204	0	0.27471	2.460333	1.655656	0.137275	NaN	Low	0.084482	0.464939
49 GCAAAGTGATGA(	10.35827	0	0	1.297257	0	0	0	0	1.174575	0.885362	0	0	0.332572	0	0.985359	1.188971	0	0	0	0.399953	0.831116	-0.86398	1.193353	0.469067	NaN	Low	1.0728	0.589432
49_GCAAAGTGATGA(	1.035827	0	0	1.297257	0	0	0	0	0	1.770725	0	0	0	0.753483	1.478038	0	10.72301	1.322851	0	1.599811	0.99905	-0.1329	1.191061	0.911159	NaN	Low	1.045032	0.953069
49 GCAAAGTGATGA(	6.214963	0	0	0	6.958353	2.569832	1.039688	1.186176	0	2.656087	2.164428	0.996036	0.332572	0.753483	0.985359	2.377943	17.87169	1.322851	3.296522	1.199858	2.596292	-0.1667	1.030558	0.871495	NaN	Low	2.746126	2.446458
49 GCACATTACACG(	0	0	0	0	0	0	0	0	0	0	0	0	0.332572	0	0	0.594486	0	0	303.2801	0	15.21036	7.046987	1.547033	5.23E-06	0.000232	OK	0.22832	30.19239
49_TACCGCACTGTG(	32.11064	13.58498	19.30908	12.97257	31.31259	12.84916	25.99219	28.46823	35.23725	13.28044	12.98657	14.94054	15.96348	13.93944	21.18522	26.75186	27.40326	23.81131	30.76754	15.99811	21.44322	0.104322	0.412416	0.800303	0.87097	OK	20.66827	22.21817
49 TACCGCACTGTG(	1.035827	1.509442	0	0	0	0	0	0	1.174575	0	1.082214	0	0.997717	0.376742	2.463397	0	1.191446	0	0	1.199858	0.551561	0.145065	1.140129	0.898754	NaN	Low	0.523854	0.579268
49 TACTGTAAACGCT	2.071654	1.509442	4.455941	5.189028	0	2.569832	1.039688	2.372353	0	0.885362	1.082214	0.996036	0.665145	1.883708	0.492679	2.972429	0	0	1.098841	0	1.464218	-1.43012	1.048474	0.172567	NaN	Low	2.13583	0.792606
49_TCACAGTGAACC(	4.143309	1.509442	4.455941	1.297257	6.958353	0	0	4.744705	3.523725	1.770725	1.082214	0.996036	0.665145	0.376742	0	2.377943	0	0	6.593045	5.199386	2.284698	1.515597	0.887336	0.087631	NaN	Low	1.184036	3.385361
49 TCACAGTGAACC(	9.322444	1.509442	8.911883	3.891771	3.479177	2.569832	2.079375	4.744705	4.6983	5.312175	1.082214	0	3.325724	1.130225	0.492679	6.539343	7.148676	1.322851	26.37218	19.99764	5.696532	2.392578	0.715446	0.000825	NaN	Low	1.822614	9.57045
49 TCACAGTGAACC(	1.035827	1.509442	0	0	3.479177	0	1.039688	1.186176	1.174575	0.885362	2.164428	0	0.332572	0.753483	0.985359	3.566914	1.191446	0	0	1.599811	1.045213	-0.06046	0.990963	0.951353	NaN	Low	1.06711	1.023316
49 TCACAGTGAACC(	1.035827	7.547211	2.970628	3.891771	3.479177	2.569832	0	4.744705	4.6983	2.656087	1.082214	1.992072	1.995435	2.637191	1.478038	4.755886	3.574338	6.614253	5.494204	7.999055	3.560811	1.098211	0.620772	0.076876	NaN	Low	2.26739	4.854233
49 TCACAGTGAACC(	7.25079	0	2.970628	0	0	0	2.079375	0	4.6983	0	1.082214	0	0.997717	1.130225	0.985359	0	0	1.322851	1.098841	1.999764	1.280803	0.228824	1.086681	0.833222	NaN	Low	1.179442	1.382164
49 TCACAGTGAACC(	2.071654	0	0	1.297257	10.43753	0	2.079375	3.558529	4.6983	0.885362	6.493285	0	4.988587	1.506966	0.985359	4.1614	3.574338	2.645701	4.395363	1.599811	2.768941	0.069799	0.842162	0.933947	NaN	Low	2.701972	2.835909
49_TCACAGTGAACC(	24.85985	18.11331	19.30908	19.45885	27.83341	12.84916	14.55563	20.165	30.53895	26.56087	33.54864	22.90883	20.61949	21.09753	20.19986	26.15737	30.9776	35.71697	62.63393	44.39475	26.62495	1.140205	0.290577	8.71E-05	0.001401	OK	16.61918	36.63073
49 TCACAGTGAACC(	4.143309	1.509442	0	2.594514	6.958353	0	1.039688	0	3.523725	0.885362	2.164428	0.996036	1.33029	2.637191	1.970718	0.594486	4.765784	0	0	0.799905	1.795662	-1.36803	0.988793	0.166501	NaN	Low	2.58849	1.002833
49 TCACAGTGAACC(	1.035827	6.037769	0	1.297257	13.91671	5.139665	1.039688	2.372353	5.872875	3.54145	5.411071	1.992072	5.321159	3.390674	6.404833	3.566914	2.382892	0	0	1.999764	3.536148	-1.28708	0.849718	0.129845	NaN	Low	5.016598	2.055699
49_TCACAGTGAATC(	5.179136	0	2.970628	1.297257	0	0	0	1.186176	0	0	1.082214	0.996036	0	0	0.492679	1.188971	0	0	0	0.399953	0.739653	-0.86588	1.184681	0.464843	NaN	Low	0.955184	0.524121
49 TCAGCACCAGGA1	4.143309	4.528326	0	2.594514	0	0	2.079375	2.372353	0	1.770725	2.164428	1.992072	5.986304	1.130225	7.882871	42.80297	4.765784	1.322851	5.494204	4.799433	4.791487	0.026425	1.022514	0.979383	NaN	Low	4.747608	4.835367
49 TCAGCACCAGGA1	3.107481	0	0	0	0	0	0	2.372353	0	1.770725	0	0	0.332572	0	2.956077	5.944857	4.765784	0	0	1.199858	1.122485	-0.4835	1.186773	0.683707	NaN	Low	1.308838	0.936132
49_TGAGCGCCTCGA(	7.25079	4.528326	7.426569	19.45885	0	0	7.277814	13.04794	9.396599	10.62435	2.164428	17.92865	8.979456	4.520899	6.404833	19.61803	17.87169	3.968552	34.06407	33.99598	11.42639	1.747464	0.624103	0.005111	0.025843	OK	5.244258	17.60852
49 TGAGCGCCTCGA(	4.143309	1.509442	7.426569	10.37806	0	0	18.71438	8.303235	18.7932	7.0829	5.411071	14.94054	8.314311	6.781348	6.897512	17.24009	21.44603	11.90566	25.27334	29.99646	11.22787	1.405761	0.613137	0.021863	0.074851	OK	6.152974	16.30277
49 TGAGCGCCTCGA(	0	0	0	0	0	0	0	0	2.34915	0	0	0.996036	0.332572	0	0.985359	1.188971	4.765784	1.322851	1.098841	3.199622	0.811959	1.199031	1.123402	0.285827	NaN	Low	0.492716	1.131203
49 TGAGCGCCTCGA(	0	3.018884	8.911883	2.594514	3.479177	7.709497	6.238126	5.930882	4.6983	3.54145	2.164428	11.95243	5.653732	3.767416	6.897512	10.10626	8.340122	10.5828	12.08725	19.19773	6.84362	1.347004	0.568345	0.017786	NaN	Low	3.862269	9.824971
49_TGAGCGCCTCGA(	1.035827	1.509442	0	1.297257	0	0	3.119063	4.744705	1.174575	0.885362	2.164428	2.988108	3.325724	0.753483	1.970718	1.783457	0	3.968552	5.494204	4.799433	2.050717	1.323943	0.71905	0.065586	NaN	Low	1.170669	2.930765
49 TGAGCGCCTCGA(	0	6.037769	1.485314	7.783541	3.479177	0	5.198438	7.117058	1.174575	3.54145	4.328857	10.9564	6.651449	5.274382	5.912153	8.3228	9.531568	3.968552	7.691886	6.399244	5.24273	0.366943	0.623227	0.55601	NaN	Low	4.57957	5.905891
49_TGAGCGCCTCGA(	0	1.509442	2.970628	2.594514	0	5.139665	4.158751	1.186176	2.34915	1.770725	1.082214	4.98018	3.325724	1.130225	0.985359	3.566914	7.148676	3.968552	2.197682	2.399716	2.623215	-0.15742	0.76267	0.836469	NaN	Low	2.766193	2.480236
49_TGGCTCAGTTCAG	8.286617	24.15107	7.426569	2.594514	6.958353	5.139665	16.635	7.117058	15.26947	7.968262	4.328857	7.968287	10.30975	6.027865	5.419474	7.728315	7.148676	11.90566	16.48261	15.99811	9.743209	0.816809	0.502893	0.104329	NaN	Low	7.056446	12.42997
49 TGGCTCAGTTCAG	1.035827	4.528326	0	1.297257	0	10.27933	4.158751	2.372353	2.34915	3.54145	1.082214	5.976216	4.988587	3.767416	4.434115	2.377943	10.72301	3.968552	9.889567	7.199149	4.198461	1.082114	0.633361	0.087539	NaN	Low	2.693794	5.703128
5_AAAGTTCTGAGAC/	17.60906	1.509442	5.941255	7.783541	3.479177	0	12.47625	1.186176	4.6983	5.312175	1.082214	27.88901	5.653732	0.753483	9.853589	51.72026	1.191446	3.968552	5.494204	1.199858	8.440086	-1.15984	0.987722	0.24029	NaN	Low	11.66111	5.219058
5_AAAGTTCTGAGAC/	1.035827	0	1.485314	0	0	0	0	0	0	0	0	0.996036	0.997717	0	2.463397	11.88971	0	0	0	0	0.9434	-1.20996	1.182305	0.306123	NaN	Low	1.31734	0.56946
5 AAAGTTCTGAGAC/	8.286617	0	1.485314	5.189028	6.958353	2.569832	3.119063	0	7.04745	4.426812	1.082214	2.988108	0.332572	1.883708	1.478038	10.70074	1.191446	0	1.098841	0	2.991907	-2.00389	1.050545	0.056459	NaN	Low	4.789632	1.194182
5_AACAATATCCTGGT	0	9.056653	0	1.297257	0	0	0	1.186176	0	3.54145	1.082214	0	2.328007	1.130225	6.897512	0.594486	9.531568	13.22851	7.691886	5.599338	3.158264	0.921515	1.060506	0.384881	NaN	Low	2.182551	4.133977
5_AGGTAGTAGGTTG	1.035827	1.509442	2.970628	3.891771	0	0	4.158751	2.372353	5.872875	0.885362	2.164428	0	1.662862	0.753483	1.970718	3.566914	0	0	1.098841	0.799905	1.735708	-0.84376	0.941119	0.369959	NaN	Low	2.229284	1.242132
5 CAAAGTGCTCATA(	14.50158	1.509442	2.970628	6.486284	3.479177	2.569832	2.079375	7.117058	0	1.770725	1.082214	0.996036	2.328007	2.637191	1.970718	6.539343	1.191446	2.645701	0	0.399953	3.113736	-2.528	1.029877	0.014102	NaN	Low	5.307298	0.920173
5 CAAAGTGCTCATA(	12.42993	1.509442	1.485314	5.189028	0	0	1.039688	5.930882	3.523725	3.54145	0	3.984144	1.995435	3.767416	3.448756	7.728315	1.191446	1.322851	0	0.399953	2.924388	-2.52778	1.029256	0.014052	NaN	Low	4.984447	0.864329
5_CAAAGTGCTCATA(	5.179136	4.528326	0	2.594514	6.958353	0	1.039688	7.117058	2.34915	0.885362	1.082214	3.984144	2.993152	2.260449	6.897512	2.972429	0	2.645701	0	0	2.674359	-3.21891	1.111092	0.003767	NaN	Low	4.82997	0.518749
5 CAAAGTGCTCATA(	39.36143	18.11331	16.33845	35.02594	6.958353	33.40782	45.74626	40.33	15.26947	13.28044	12.98657	33.86522	10.97489	10.54876	54.68742	38.04709	1.191446	68.78823	8.790727	0.399953	25.20559	-2.32132	0.800363	0.003728	0.020419	OK	42.00638	8.404797
5 CAAAGTGCTCATA(	6.214963	0	2.970628	0	0	2.569832	1.039688	10.67559	0	0.885362	0	9.960359	3.658297	4.144157	8.86823	9.511772	0	2.645701	0	0	3.157229	-2.83103	1.140513	0.013056	NaN	Low	5.536413	0.778045
5_CAAAGTGCTCATA(	0	3.018884	0	0	0	0	0	2.372353	0	0	0	1.992072	2.328007	0	1.478038	0.594486	0	0	0	0	0.589192	-1.34141	1.189515	0.259449	NaN	Low	0.844941	0.333443
5 CAAAGTGCTCATA(	7.25079	1.509442	0	2.594514	0	5.139665	0	1.186176	0	0	0	0	0.332572	0	0.492679	0.594486	0	0	0	0	0.955016	-1.54272	1.193361	0.196097	NaN	Low	1.421961	0.488071
5 CAAAGTGCTCATA(	6.214963	0	1.485314	2.594514	0	7.709497	0	1.186176	0	0	0	0.996036	0.332572	0	0	0.594486	0	0	0	0	1.055678	-1.54243	1.193353	0.196178	NaN	Low	1.57176	0.539596
5_CAAAGTGCTCATA(	5.179136	7.547211	2.970628	5.189028	3.479177	5.139665	5.198438	7.117058	7.04745	2.656087	1.082214	0	0.665145	1.130225	1.478038	2.972429	0	1.322851	0	0	3.008739	-3.18892	1.113957	0.004201	NaN	Low	5.422824	0.594654
5 CAAAGTGTTCATA(	12.42993	4.528326	8.911883	10.37806	3.479177	7.709497	1.039688	13.04794	7.04745	0.885362	0	2.988108	0.665145	0.753483	0.492679	1.188971	0	1.322851	0	0	3.843427	-3.04205	1.12686	0.006943	NaN	Low	6.854635	0.832219
5 CCCAGTGTTCAGA(	3.107481	0	8.911883	0	0	7.709497	0	0	0	0.885362	0	2.988108	1.662862	0	0	0	0	0	0	0	1.26326	-1.23731	1.183996	0.296011	NaN	Low	1.774037	0.752482
5_CCCAGTGTTCAGA(	1.035827	4.528326	11.88251	11.67531	0	7.709497	2.079375	2.372353	7.04745	2.656087	1.082214	4.98018	3.990869	3.013933	1.478038	2.377943	2.382892	0	0	0.799905	3.554636	-2.18473	0.960404	0.022917	NaN	Low	5.827497	1.281774
5 CCCAGTGTTCAGA(	11.3941	1.509442	60.89787	44.10673	0	12.84916	4.158751	2.372353	14.0949	15.93652	10.82214	13.9445	9.312028	5.651124	6.897512	2.972429	3.574338	5.291402	1.098841	7.199149	11.70416	-1.24343	0.902395	0.168229	0.301589	OK	16.45729	6.951041
5 CCCAGTGTTCAGA(	14.50158	15.09442	69.80975	57.0793	6.958353	48.82682	9.357189	9.489411	49.33215	33.64377	10.82214	17.92865	12.97033	23.35798	8.375551	8.3228	5.95723	22.48846	3.296522	11.19868	21.94055	-1.4467	0.752563	0.054561	0.142169	OK	32.10357	11.77754
5_CCCAGTGTTCAGA(	7.25079	3.018884	10.3972	18.1616	6.958353	12.84916	4.158751	8.303235	12.92032	13.28044	9.739928	6.972252	7.649166	10.17202	13.30235	4.1614	8.340122	9.259954	5.494204	7.599102	8.999461	-0.43053	0.502299	0.391382	NaN	Low	10.33239	7.666534
5 CCCAGTGTTCAGA(	6.214963	3.018884	0	3.891771	0	5.139665	2.079375	2.372353	2.34915	0	2.164428	1.992072	0.997717	2.637191	1.970718	1.783457	2.382892	5.291402	1.098841	2.399716	2.38923	-0.27721	0.778326	0.721724	NaN	Low	2.618064	2.160395
5 CCCAGTGTTCAGA(	12.42993	12.07554	5.941255	18.1616	17.39588	25.69832	5.198438	9.489411	15.26947	4.426812	3.246643	10.9564	8.646884	18.46034	18.72182	5.350372	4.765784	9.259954	2.197682	8.79896	10.82457	-0.83633	0.627359	0.182498	0.318483	OK	13.87708	7.772065
5_CCCAGTGTTCAGA(	11.3941	15.09442	25.25033	24.64788	3.479177	48.82682	3.119063	7.117058	16.44405	10.62435	5.411071	9.960359	4.988587	16.19989	16.7511	8.3228	9.531568	18.51991	4.395363	7.999055	13.40385	-1.01594	0.670959	0.129985	0.250726	OK	17.9375	8.870195
5 CCTAGTGTTCAGA(	12.42993	4.528326	8.911883	19.45885	6.958353	23.12849	4.158751	2.372353	17.61862	3.54145	4.328857	4.98018	1.33029	3.390674	1.478038	2.377943	1.191446	0	0	0.399953	6.12922	-3.07533	1.029402	0.002813	NaN	Low	10.95834	1.300104
5 CTCAGTGTTCAGA(	0	1.509442	4.455941	2.594514	0	12.84916	0	0	1.174575	1.770725	0	0	0.332572	0	0.492679	0	0	0	1.098841	0	1.313923	-0.64179	1.190959	0.589968	NaN	Low	1.601447	1.026398
5_CTCAGTGTTCAGA(	5.179136	3.018884	5.941255	15.56708	3.479177	2.569832	1.039688	3.558529	8.222024	2.656087	2.164428	1.992072	2.993152	4.520899	1.970718	0	0	2.645701	0	0	3.375933	-3.29592	1.10756	0.002922	NaN	Low	6.127925	0.623941
5 CTGTACTGAGCTG(	4.143309	0	0	2.594514	0	0	3.119063	4.744705	1.174575	0.885362	1.082214	0.996036	1.33029	0.376742	1.478038	0.594486	1.191446	9.259954	2.197682	3.199622	1.918402	0.493295	0.898966	0.583187	NaN	Low	1.593585	2.243219
5 CTTCTTGTATAAGC	2.071654	1.509442	0	0	3.479177	7.709497	0	0	3.523725	0	1.082214	0	2.328007	0	0	0	1.191446	0	0	0	1.144758	-1.62132	1.193276	0.174239	NaN	Low	1.727886	0.56163
5_GTGCATTGTAGTT(	0	0	7.426569	1.297257	0	0	1.039688	0	0	0	0	0	0.332572	0	0	0	0	0	0	0	0.504804	-0.74732	1.111735	0.501447	NaN	Low	0.632703	0.376906
5 GTGCATTGTAGTT(	2.071654	0	1.485314	1.297257	0	5.139665	3.119063	0	0	0	0	0.996036	2.66058	0.376742	0	0	0	0	5.494204	1.999764	1.232014	1.469541	1.086819	0.176328	NaN	Low	0.653703	1.810325
5 GTGCATTGTAGTT(	12.42993	4.528326	5.941255	10.37806	6.958353	5.139665	9.357189	2.372353	4.6983	0	5.411071	4.98018	5.321159	0.753483	2.956077	2.377943	0	1.322851	10.98841	13.19844	5.455652	1.258866	0.752317	0.094265	NaN	Low	3.215756	7.695548
5_GTGCATTGTAGTT(	1.035827	0	0	0	0	7.709497	2.079375	0	5.872875	0.885362	1.082214	0.996036	0.332572	0	0	0	0	0	0	0.799905	1.039683	-0.59259	1.185535	0.617178	NaN	Low	1.250258	0.829108
5 GTGCATTGTAGTT(	7.25079	6.037769	16.33845	7.783541	13.91671	7.709497	3.119063	0	5.872875	0.885362	1.082214	2.988108	4.988587	0.753483	0.492679	0.594486	1.191446	1.322851	0	1.999764	4.216384	-1.41379	0.990263	0.15338	NaN	Low	6.131477	2.30129
5 GTGCATTGTAGTT(	8.286617	4.528326	16.33845	14.26983	0	5.139665	6.238126	0	12.92032	0	0	2.988108	3.990869	1.506966	1.478038	1.188971	0	0	2.197682	1.999764	4.153587	-0.75864	1.05197	0.470813	NaN	Low	5.221173	3.086
5_GTGTATTGTAGTT(	20.71654	10.56609	14.85314	14.26983	20.87506	17.98883	16.635	5.930882	24.66607	0.885362	2.164428	7.968287	8.646884	2.637191	1.970718	8.3228	3.574338	0	4.395363	5.999291	9.653306	-0.77144	0.827477	0.351195	NaN	Low	12.17442	7.132189
5 GTGTATTGTAGTT(	2.071654	0	1.485314	1.297257	0	0	0	0	0	0	1.082214	0	1.662862	0	0.492679	0	0	0	0	0	0.404599	-1.20907	1.182939	0.306739	NaN	Low	0.564866	0.244332
5 TAAGGTGCATCTA(	1.035827	0	1.485314	0	0	0	0	1.186176	0	0.885362	0	3.984144	0	2.260449	0.492679	2.972429	1.191446	3.968552	0	3.199622	1.1331	0.453796	1.086366	0.676152	NaN	Low	0.956348	1.309852
5_TAAGGTGCATCTA(	0	0	0	0	3.479177	2.569832	0	0	0	0	0	1.992072	1.662862	3.390674	3.448756	3.566914	0	0	2.197682	2.799669	1.255382	0.779158	1.123295	0.48791	NaN	Low	0.92439	1.586374
5 TAAGGTGCATCTA(	1.035827	0	0	0	0	0	0	0	1.174575	0	0	1.992072	0.332572	1.130225	0.492679	0	0	0	2.197682	2.799669	0.557765	1.959086	1.085383	0.071079	NaN	Low	0.228211	0.887319
5 TAAGGTGCATCTA(	0	0	0	0	0	0	0	0	0	0	0	0.996036	0.332572	0.376742	0	3.566914	0	0	0	0.399953	0.283611	-0.20797	1.153915	0.856973	NaN	Low	0.304017	0.263204
5_TAAGGTGCATCTA(	4.143309	4.528326	10.3972	7.783541	0	0	2.079375	1.186176	7.04745	1.770725	3.246643	3.984144	1.995435	2.260449	0.492679	17.83457	0	18.51991	0	0.399953	4.383494	-2.69974	1.064265	0.01119	NaN	Low	7.597565	1.169423
5 TAAGGTGCATCTA(	0	0	0	0	0	0	0	0	0	0.885362	0	0	0	0	0.985359	1.783457	0	6.614253	0	0	0.513422	-0.79521	1.124022	0.479276	NaN	Low	0.651443	0.3754
5 TATTGCACATTACT.	17.60906	12.07554	4.455941	0	0	12.84916	7.277814	2.372353	1.174575	15.93652	22.7265	8.964323	14.30062	13.93944	6.404833	14.86214	23.82892	2.645701	15.38377	6.799197	10.18032	0.071325	0.781692	0.927298	0.956397	OK	9.928719	10.43192
5_TATTGCACATTACT.	14.50158	6.037769	2.970628	6.486284	0	2.569832	9.357189	4.744705	5.872875	31.87305	19.47986	16.93261	14.96576	13.93944	13.79502	4.1614	15.4888	3.968552	20.87798	5.599338	10.68113	0.223672	0.705563	0.751234	0.836968	OK	9.854799	11.50747
5 TCCAGTGTTCAGA(	2.071654	4.528326	8.911883	9.080798	6.958353	2.569832	1.039688	0	7.04745	0	1.082214	0.996036	0.997717	0.376742	0.985359	0.594486	0	0	0	0	2.362027	-2.59044	1.153939	0.024777	NaN	Low	4.051381	0.672672
5 TCCAGTGTTCAGA(	3.107481	1.509442	0	12.97257	0	7.709497	1.039688	2.372353	4.6983	1.770725	0	0.996036	1.33029	1.506966	1.478038	0	0	0	0	0	2.024569	-2.49589	1.159363	0.031333	NaN	Low	3.439399	0.60974
5_TCCGAGTCACGGC/	59.04215	81.50988	531.7423	307.4499	55.66683	35.97765	99.81002	37.95764	170.3134	53.12175	20.56207	77.6908	35.25268	12.43247	1.478038	16.6456	13.10591	29.10271	20.87798	1.199858	83.04698	-2.306	0.972079	0.017681	0.06271	OK	138.156	27.938
5 TCCGAGTCACGGC/	11.3941	48.30215	130.7076	94.69975	31.31259	2.569832	21.83344	30.84059	122.1558	14.1658	4.328857	8.964323	6.318876	1.130225	5.419474	5.944857	0	14.55136	3.296522	0	27.89681	-2.76336	1.054757	0.008795	0.039241	OK	48.63119	7.162425
5 TCCGAGTCACGGC/	21.75237	33.20773	224.2824	181.616	365.3136	23.12849	21.83344	36.77147	250.1845	6.197537	3.246643	14.94054	7.981739	2.637191	46.80455	20.21251	3.574338	29.10271	28.56986	0	66.06787	-1.59119	1.066323	NaN	NaN	Outlier	99.20871	32.92704
5 TCCGAGTCACGGC/	0	0	0	0	0	0	0	0	0	0	0	0	0.332572	0	4.926795	0	0	0	2.197682	0.399953	0.39285	0.715953	1.104718	0.516929	NaN	Low	0.297324	0.488376
5 TCCTGACTCCAGGT	1.035827	1.509442	1.485314	1.297257	3.479177	0	0	7.117058	1.174575	0	3.246643	0.996036	1.33029	0	1.478038	0.594486	1.191446	3.968552	0	0	1.495207	-2.46097	1.15979	0.033845	NaN	Low	2.530765	0.459649
5 TGAGGTAGGAGGT	0	0	0	0	0	0	0	0	0	0	0	0	1.662862	0	0.492679	0	1.191446	0	1.098841	0	0.222291	0.406007	1.096128	0.711084	NaN	Low	0.191217	0.253366
5 TGAGGTAGTAGGT	2.071654	0	14.85314	0	0	0	0	0	0	0	0	0	0.332572	0	0	0.594486	0	0	0	0	0.892593	-0.72841	1.106337	0.510282	NaN	Low	1.113258	0.671927
5 TGAGGTAGTAGGT	2.071654	0	13.36782	0	3.479177	2.569832	0	0	1.174575	0	0	0.996036	0	0.376742	0	0.594486	0	1.322851	0	0	1.297659	-1.62029	1.193305	0.174521	NaN	Low	1.958333	0.636985
5 TGAGGTAGTAGGT	4.143309	3.018884	10.3972	1.297257	3.479177	2.569832	3.119063	0	4.6983	0.885362	0	0	1.33029	0.753483	0.492679	0	0	0	0	0	1.809242	-2.35093	1.167398	0.044029	NaN	Low	3.025437	0.593047
5 TGAGGTAGTAGGT	1.035827	1.509442	17.82377	2.594514	0	0	2.079375	2.372353	4.6983	1.770725	1.082214	0.996036	0	0.753483	0	1.188971	0	0	4.395363	0	2.115018	-0.00811	1.120822	0.99423	NaN	Low	2.12096	2.109077
5 TGAGGTAGTAGGT	2.071654	1.509442	5.941255	1.297257	0	5.139665	4.158751	1.186176	4.6983	6.197537	1.082214	2.988108	0.332572	1.883708	0	0	1.191446	0	1.098841	0.799905	2.078842	-0.90737	1.006731	0.367426	NaN	Low	2.711847	1.445836
5 TGAGGTAGTAGGT	4.143309	0	10.3972	2.594514	0	10.27933	6.238126	2.372353	7.04745	2.656087	1.082214	4.98018	1.995435	1.506966	2.463397	1.783457	0	0	3.296522	1.999764	3.241815	-0.26862	0.844879	0.750527	NaN	Low	3.542753	2.940877
5 TGAGGTAGTAGGT	4.143309	9.056653	5.941255	1.297257	3.479177	2.569832	6.238126	3.558529	8.222024	14.1658	1.082214	3.984144	3.658297	5.651124	2.956077	10.10626	2.382892	1.322851	3.296522	2.399716	4.775603	-0.79919	0.72641	0.271247	NaN	Low	6.065526	3.48568
5 TGAGGTAGTAGGT	25.89568	73.96266	19.30908	44.10673	3.479177	17.98883	29.11125	37.95764	38.76097	28.3316	21.64428	34.86126	34.58753	47.84618	36.45828	33.2912	41.70061	19.84276	21.97682	30.39641	32.07545	-0.32078	0.447071	0.473055	0.616973	OK	35.6268	28.5241
5 TGAGGTAGTAGGT	273.4584	553.9653	362.4166	396.9606	153.0838	287.8212	489.6929	494.6355	549.7011	409.9228	284.6223	415.347	413.3876	676.2511	538.006	479.1555	618.3605	419.3436	538.432	452.7465	440.3655	0.18188	0.358026	0.611448	0.729005	OK	412.6438	468.0872
5 TGAGGTAGTAGGT	20.71654	236.9824	74.26569	123.2394	69.58353	185.0279	163.231	228.932	193.8049	135.4605	230.5116	494.0338	286.0123	467.913	587.2739	190.8299	238.2892	162.7106	227.4601	133.1843	222.4731	-0.30953	0.660134	0.639153	0.752034	OK	246.2475	198.6988
5 TGAGGTAGTAGGT	0	16.60386	0	11.67531	6.958353	46.25698	15.59531	5.930882	5.872875	1.770725	19.47986	48.80576	24.61036	18.83708	36.95096	6.539343	10.72301	7.937103	9.889567	6.399244	15.04183	-0.80106	0.89226	0.3693	0.515036	OK	19.11374	10.96992
5 TGAGGTAGTAGGT	7.25079	4.528326	23.76502	10.37806	3.479177	2.569832	6.238126	8.303235	23.4915	5.312175	1.082214	4.98018	1.33029	6.027865	1.478038	4.755886	2.382892	9.259954	9.889567	1.599811	6.905147	-0.31342	0.816056	0.700928	NaN	Low	7.65227	6.158023

5 TGAGGTAGTAGGT	0	3.018884	0	2.594514	0	2.569832	0	1.186176	9.396599	0.885362	0	0	1.662862	0.376742	0.492679	0	0	0	3.296522	0	1.274009	0.206838	1.164883	0.859068	NaN	Low	1.182838	1.365179
5 TGAGGTAGTAGGT	0	3.018884	2.970628	7.783541	0	0	3.119063	4.744705	3.523725	0.885362	0	0.996036	0.997717	1.130225	0	0.594486	0	1.322851	2.197682	0.799905	1.704241	-0.21471	1.01138	0.83188	NaN	Low	1.830823	1.577658
5 TGAGGTAGTAGGT	5.179136	10.56609	17.82377	25.94514	3.479177	7.709497	18.71438	5.930882	23.4915	4.426812	1.082214	11.95243	7.316594	4.520899	5.912153	5.350372	4.765784	0	17.58145	4.799433	9.327386	0.228496	0.77043	0.766786	NaN	Low	8.590284	10.06449
5 TGAGGTAGTAGGT	2.071654	3.018884	2.970628	12.97257	0	10.27933	8.317501	5.930882	3.523725	1.770725	2.164428	10.9564	2.66058	1.883708	3.941436	4.755886	4.765784	2.645701	15.38377	6.399244	5.320642	1.096988	0.653052	0.092999	NaN	Low	3.38994	7.251343
5 TGAGGTAGTAGGT	35.21812	73.96266	69.80975	103.7806	6.958353	82.23464	82.13533	77.10146	123.3304	47.80957	24.89093	29.88108	44.56471	78.73899	54.68742	88.57837	94.12424	59.52828	182.4076	87.1897	72.3466	0.981087	0.526371	0.06234	0.154143	OK	48.65352	96.03969
5 TGAGGTAGTAGGT	111.8693	249.058	218.3411	208.8584	62.62518	161.8994	351.4144	289.427	451.0368	244.36	68.1795	119.5243	163.9582	307.0444	223.1838	234.8219	604.0631	293.6728	640.6242	271.9679	263.7965	0.855411	0.566842	0.131277	0.251339	OK	187.804	339.789
5 TGAGGTAGTAGGT	8.286617	21.13219	10.3972	9.080798	17.39588	12.84916	11.43656	27.28206	23.4915	15.93652	5.411071	4.98018	9.312028	27.12539	50.74598	25.56289	29.78615	7.937103	12.08725	20.79754	17.5517	-0.09643	0.635118	0.879325	0.922355	OK	18.13805	16.96536
5 TGAGGTAGTAGGT	10.35827	58.86824	13.36782	18.1616	24.35424	17.98883	32.23032	46.26088	30.53895	54.89247	9.739928	19.92072	24.61036	62.91584	70.45316	29.72429	60.76375	26.45701	19.77913	19.19773	32.52918	-0.76196	0.598674	0.203105	0.341744	OK	40.92511	24.13324
5 TGAGGTAGTAGGT	55.93467	93.58541	62.38318	38.91771	48.70847	48.82682	126.8419	141.155	254.8828	84.10944	60.604	55.77801	65.1842	290.091	395.6216	130.1924	389.6029	228.8531	116.4771	82.79022	138.527	-0.47314	0.709647	0.504947	0.639125	OK	161.0409	116.0131
5 TGAGGTAGTAGGT	8.286617	9.056653	4.455941	9.080798	6.958353	7.709497	11.43656	27.28206	36.41182	12.39507	8.657714	8.964323	8.979456	47.46944	115.7797	19.02354	40.50917	30.42556	15.38377	15.59816	22.19321	-0.51145	0.806796	0.526127	0.658326	OK	26.08639	18.30002
5 TGAGGTAGTAGGT	1.035827	0	0	2.594514	6.958353	0	1.039688	0	0	0.885362	0	0	0.665145	2.260449	11.82431	2.377943	1.191446	3.968552	1.098841	0.399953	1.815019	-0.97298	1.109083	0.380334	NaN	Low	2.404868	1.22517
5 TGAGGTAGTAGGT	23.82402	52.83047	23.76502	16.86434	31.31259	48.82682	73.81782	68.79823	68.12535	23.01942	28.13757	64.74234	55.87217	147.306	331.0806	45.7754	145.3564	96.56809	75.82002	29.5965	72.57196	-0.46253	0.740524	0.532239	0.66404	OK	84.10655	61.03737
5 TGAGGTAGTAGGT	1.035827	9.056653	2.970628	5.189028	0	2.569832	5.198438	5.930882	12.92032	3.54145	6.493285	7.968287	9.644601	9.795281	20.19986	0.594486	5.95723	10.5828	1.098841	1.199858	6.09738	-2.14066	0.860981	0.012908	NaN	Low	9.940494	2.254265
5 TGAGGTAGTAGGT	5.179136	15.09442	4.455941	15.56708	27.83341	7.709497	4.158751	18.97882	28.1898	10.62435	16.23321	8.964323	11.97261	32.02303	39.90704	14.26766	25.02037	22.48846	8.790727	7.199149	16.23289	-1.03445	0.63946	0.105728	0.221755	OK	21.81546	10.65032
5 TGAGGTAGTAGGT	92.18862	481.512	218.3411	255.5596	229.6257	460	623.8126	797.1105	537.9553	605.5879	222.9361	500.01	454.9591	1345.721	1409.063	521.9585	1361.823	701.1108	783.4735	309.1635	595.5956	-0.12833	0.65318	0.844249	0.899923	OK	622.0667	569.1245
5 TGAGGTAGTAGGT	0	1.509442	0	0	0	2.569832	3.119063	11.86176	2.34915	3.54145	7.5755	5.976216	5.986304	10.54876	38.429	4.755886	8.340122	5.291402	13.18609	1.599811	6.33199	0.116737	0.985301	0.905689	NaN	Low	6.075951	6.588028
5 TGAGGTAGTAGGT	0	4.528326	0	0	3.479177	0	5.198438	2.372353	1.174575	1.770725	0	0.996036	3.325724	1.883708	3.448756	0.594486	0	1.322851	2.197682	1.199858	1.674635	-0.08049	0.942825	0.931967	NaN	Low	1.721338	1.627932
5 TGAGGTAGTAGGT	0	7.547211	1.485314	0	3.479177	7.709497	5.198438	5.930882	1.174575	0.885362	0	0.996036	3.325724	3.390674	5.912153	0.594486	3.574338	2.645701	0	0.799905	2.732474	-1.8349	1.009063	0.069001	NaN	Low	4.268451	1.196497
5 TGAGGTAGTAGGT	0	0	1.485314	0	0	5.139665	1.039688	2.372353	0	1.770725	3.246643	2.988108	1.662862	1.506966	4.434115	0.594486	1.191446	2.645701	0	1.999764	1.603892	-0.38294	0.936181	0.682505	NaN	Low	1.815516	1.392268
5 TGAGGTAGTAGGT	13.46575	144.9064	19.30908	51.89028	83.50024	185.0279	95.65127	170.8094	84.56939	108.8996	67.09728	203.1913	164.9559	318.7234	401.0411	112.9523	235.9063	103.1823	141.7505	42.79494	137.4812	-0.5703	0.717595	0.426764	0.574064	OK	164.3062	110.6562
5 TGAGGTAGTAGGT	1.035827	3.018884	0	2.594514	3.479177	2.569832	4.158751	3.558529	0	2.656087	2.164428	2.988108	2.66058	2.260449	11.82431	2.377943	2.382892	1.322851	2.197682	0	2.662542	-1.47467	0.940663	0.116953	NaN	Low	3.916034	1.40905
5 TGAGGTAGTAGGT	1.035827	40.75494	0	12.97257	20.87506	110.5028	38.46844	48.63323	14.0949	15.93652	15.151	51.79387	44.89728	57.26472	103.4627	14.26766	26.21181	14.55136	10.98841	7.199149	32.45311	-1.62643	0.866522	0.060524	0.152235	OK	49.02692	15.8793
5 TGAGGTAGTAGGT	0	1.509442	0	1.297257	0	2.569832	4.158751	2.372353	2.34915	0.885362	1.082214	4.98018	2.328007	1.883708	3.448756	2.377943	1.191446	3.968552	9.889567	0.799905	2.354621	1.038669	0.790107	0.188647	NaN	Low	1.541825	3.167418
5 TGAGGTAGTAGGT	0	3.018884	0	0	0	0	1.039688	0	0	0	0	1.992072	1.995435	0.376742	0.492679	0	0	1.322851	1.098841	0	0.56686	-0.23787	1.181692	0.840465	NaN	Low	0.613486	0.520233
5 TGAGGTAGTAGTT	20.71654	9.056653	10.3972	18.1616	0	2.569832	7.277814	8.303235	14.0949	7.968262	4.328857	5.976216	4.323442	2.637191	3.448756	19.61803	3.574338	5.291402	36.26175	15.99811	10.00021	1.492963	0.665614	0.024898	0.08238	OK	5.243034	14.75738
5 TGAGGTAGTAGTT	50.75553	7.547211	29.70628	28.53965	17.39588	7.709497	12.47625	15.42029	27.01522	13.28044	12.98657	7.968287	12.30518	3.767416	7.390192	39.83054	17.87169	7.937103	61.53509	35.99575	20.8717	1.33565	0.648012	0.039289	0.111961	OK	11.84583	29.89758
5 TGAGGTAGTAGTT	196.8072	70.94378	160.4139	185.5077	80.02106	115.6425	106.0481	99.63881	180.8845	102.702	56.27514	75.69873	96.44601	65.55303	62.07761	271.68	89.35845	109.7966	437.3386	281.5667	142.22	1.537247	0.477078	0.001272	0.009222	OK	72.88848	211.5516
5 TGAGGTAGTAGTT	383.256	212.8313	248.0474	273.7212	278.3341	208.1564	181.9453	251.4694	360.5945	250.5576	186.1408	120.5203	236.459	195.1521	352.2658	806.7171	462.2811	313.5156	491.1818	525.1379	316.9143	0.749974	0.460325	0.103265	0.219583	OK	236.3477	397.4808
5 TGAGGTAGTAGTT	9.322444	7.547211	10.3972	14.26983	38.27094	30.83799	4.158751	11.86176	8.222024	5.312175	9.739928	10.9564	16.62862	8.665056	29.56077	27.34634	25.02037	17.19706	24.1745	27.99669	16.8743	0.715049	0.580213	0.217803	0.363374	OK	12.77612	20.97249
5 TGAGGTAGTAGTT	138.8008	164.5292	118.8251	146.59	292.2508	259.5531	116.445	150.6444	128.0287	160.2506	133.1123	206.1794	241.4476	151.0734	218.257	433.9746	206.1202	161.3878	459.3155	317.1625	210.1974	0.998668	0.398433	0.012194	0.048092	OK	140.2179	280.1769
5 TGAGGTAGTAGTT	0	6.037769	1.485314	1.297257	6.958353	12.84916	0	2.372353	1.174575	0	5.411071	2.988108	2.66058	0.376742	1.970718	1.783457	0	0	5.494204	0.399953	2.662981	0.16894	1.011076	0.8673	NaN	Low	2.507241	2.818721
5 TGAGGTAGTAGTT	1.035827	3.018884	0	1.297257	0	5.139665	7.277814	4.744705	11.74575	2.656087	0	1.992072	0.665145	3.013933	1.970718	0	10.72301	5.291402	3.296522	1.999764	3.293428	-0.29419	0.946054	0.755829	NaN	Low	3.62806	2.958796
5 TGGTAGACTATGG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.593045	0	0.329652	2.692449	1.680537	0.109125	NaN	Low	0.08833	0.570974
5 TGGTAGACTATGG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.790727	0	0.439536	3.067856	1.706877	0.07228	NaN	Low	0.093665	0.785407
5 TGGTAGACTATGG	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0	0	0	0	12.08725	0	0.6232	3.325422	1.719653	0.053141	NaN	Low	0.11306	1.133339
5 TGTAAACATCCCCG	24.85985	25.66052	282.2096	71.34913	31.31259	25.69832	38.46844	69.98441	90.44227	61.09001	69.26171	222.116	87.13398	25.24169	36.45828	102.2515	23.82892	64.81968	71.42465	11.59863	71.76051	-0.7733	0.74668	0.300365	0.45009	OK	90.54511	52.97591
5 TGTAAACATCCCCG	2.071654	12.07554	16.33845	7.783541	3.479177	0	0	3.558529	1.174575	0	4.328857	1.992072	3.325724	2.260449	0	6.539343	0	1.322851	0	0.399953	3.332536	-2.25724	1.108828	0.041781	NaN	Low	5.512095	1.152976
5 TGTAAACATCCCCG	455.7639	819.6271	233.1943	483.8768	257.4591	254.4134	561.4313	601.3914	318.3098	1386.478	1366.837	1846.651	1436.048	748.2088	602.547	958.9055	580.2342	485.4862	281.3033	435.1486	705.6657	-0.98156	0.603366	0.103778	0.219583	OK	936.8703	474.4611
5 TGTAAACATCCCCG	258.9568	618.8713	213.8852	437.1756	139.1671	269.8324	232.89	603.7638	263.1048	662.2511	1078.968	830.694	1417.424	647.9955	475.4357	1190.755	569.5112	371.721	142.8493	257.9695	534.161	-1.39991	0.615054	0.022842	0.077131	OK	774.7337	293.5884
5 TGTAAACATCCCCG	9.322444	21.13219	11.88251	16.86434	3.479177	10.27933	2.079375	20.165	5.872875	4.426812	23.80871	13.9445	38.91098	17.70685	18.72182	55.28717	5.95723	6.614253	5.494204	3.999527	14.79747	-1.57952	0.770415	0.040343	0.113977	OK	22.17525	7.419676
5 TGTAAACATCCCCG	66.29294	286.794	103.972	145.2928	52.18765	38.54749	39.50813	297.7303	63.42705	142.5434	327.9109	188.2508	552.7354	249.4029	240.4276	732.4064	119.1446	100.5366	54.94204	93.18899	194.7621	-1.31649	0.754752	0.081112	0.185561	OK	277.9317	111.5925
5 TGTAAACATCCCCG	5.179136	13.58498	10.3972	20.75611	0	2.569832	1.039688	16.60647	8.222024	15.93652	15.151	10.9564	42.56927	17.33011	14.78038	43.39746	5.95723	6.614253	3.296522	10.39877	13.23717	-0.89341	0.795118	0.261176	0.408631	OK	17.20967	9.264669
5 TGTAAACATCCCCG	985.0716	2348.692	1616.021	1761.675	1871.797	1747.486	1469.079	3750.69	1666.722	2121.329	4764.989	3849.679	5709.936	2650.377	3139.354	5566.17	4035.428	4159.042	1254.876	1311.445	2788.993	-1.14559	0.510453	0.024815	0.08238	OK	3841.576	1736.409
5 TGTAAACATCCCCG	3754.873	6410.601	4461.883	5962.193	8158.669	6478.548	7547.093	11222.41	7688.767	5872.609	13564.47	9211.34	16580.4	7074.83	7764.136	12557.92	18604.43	15890.08	8551.179	7859.071	9260.775	-0.18506	0.468931	0.693107	0.79313	OK	9853.919	8667.632
5 TGTAAACATCCCCG	0	3.018884	0	0	0	0	0	0	0	0.885362	1.082214	0	0.332572	1.883708	0	0.594486	4.765784	0	1.098841	0	0.683093	-0.33083	1.187472	0.780549	NaN	Low	0.761073	0.605112
5 TGTAAACATCCCCG	0	0	0	0	0	2.569832	1.039688	0	0	0	5.411071	0	1.662862	1.130225	0	0	2.382892	0	0	0.799905	0.749824	-0.39095	1.193111	0.743159	NaN	Low	0.850802	0.648845
5_TGTAAACATCCCCG	0	0	0	0	0	0	1.039688	0	0	0	0	0.996036	1.995435	0	2.463397	0	0	0	0	0.799905	0.364723	0.026431	1.165795	0.981912	NaN	Low	0.361382	0.368064
5 TGTAAACATCCCCG	91.15279	543.3992	150.0167	258.1541	184.3964	244.1341	166.35	459.0503	153.8693	276.2331	839.7982	911.3729	983.4167	363.9324	374.9291	646.206	165.611	150.805	116.4771	100.3881	358.9846	-1.67215	0.669705	0.01253	0.049027	OK	546.4892	171.48
5 TGTAAACATCCCCG	0	1.509442	0	1.297257	0	0	0	0	0	0.885362	0	0	2.993152	2.260449	0.492679	1.783457	0	1.322851	0	0.399953	0.64723	-0.94928	1.16946	0.416949	NaN	Low	0.852802	0.441658
5_TGTAAACATCCCCG	1.035827	3.018884	0	0	0	2.569832	1.039688	1.186176	0	1.770725	1.082214	3.984144	1.995435	1.130225	0.985359	0.594486	0	2.645701	1.098841	0.799905	1.246872	-0.41794	0.940747	0.656852	NaN	Low	1.426225	1.067519
5 TGTAAACATCCCTG	44.54057	54.33992	26.73565	28.53965	34.79177	23.12849	25.99219	20.165	14.0949	38.07059	42.20635	36.85333	37.58069	13.93944	10.83895	19.61803	4.765784	1.322851	4.395363	3.999527	24.29595	-2.3904	0.700563	0.000645	0.00594	OK	40.80853	7.78337
5 TGTAAACATCCCTG	48.68388	95.09485	22.27971	58.37656	27.83341	43.68715	30.15094	54.56411	31.71352	44.26812	57.35735	55.77801	73.83108	36.54393	20.19986	49.34232	13.10591	15.87421	5.494204	5.999291	39.50892	-2.71183	0.584012	3.43E-06	0.000188	OK	68.554	10.46384
5 TGTAAACATCCTCG	9.322444	3.018884	22.27971	3.891771	13.91671	12.84916	15.59531	3.558529	10.57117	38.07059	11.90436	10.9564	4.323442	11.30225	4.434115	2.377943	7.148676	10.5828	6.593045	3.599575	10.31484	-1.00348	0.732761	0.170857	0.304217	OK	13.76419	6.865498
5 TGTAAACATCCTCG	6.214963	1.509442	1.485314	5.189028	0	5.139665	3.119063	1.186176	0	4.426812	0	0.996036	0.997717	1.130225	0	0	0	0	0	0.399953	1.58972	-1.58883	1.136899	0.16226	NaN	Low	2.386176	0.793263
5 TGTAAACATCCTCG	1.035827	1.509442	7.426569	0	0	0	1.039688	1.186176	0	4.426812	2.164428	1.992072	0	0	0	0	1.191446	0	0	0.399953	1.118621	-1.15015	1.180454	0.329892	NaN	Low	1.542311	0.69493
5 TGTAAACATCCTCG	441.2624	617.3618	453.0207	416.4195	320.0843	298.1006	626.9317	269.262	264.2794	2803.058	809.4962	562.7603	344.8776	1262.084	357.6853	131.9758	599.2974	398.178	94.50031	313.9629	569.2299	-1.42256	0.696301	0.041051	0.115352	OK	829.1462	309.3136
5 TGTAAACATCCTCG	135.6934	259.624	99.51602	128.4284	86.97942	123.352	193.3819	134.0379	72.82364	966.8158	371.1995	171.3182	151.3205	554.9403	160.6135	51.72026	358.6253	162.7106	35.16291	132.7843	217.5524	-1.30767	0.726476	0.071859	0.169076	OK	309.9094	125.1954
5 TGTAAACATCCTCG	12.42993	45.28326	16.33845	12.97257	27.83341	12.84916	18.71438	26.09588	7.04745	87.65089	34.63086	11.95243	16.96119	81.37618	29.56077	10.10626	28.59471	6.614253	8.790727	21.9974	25.89001	-0.71775	0.725474	0.322489	0.471334	OK	32.20062	19.57939
5_TGTAAACATCCTCG	47.64805	105.6609	29.70628	31.13417	41.75012	87.3743	49.90501	78.28764	28.1898	162.0213	97.39928	46.81369	41.57156	206.8311	85.23355	20.807	137.0163	50.26832	9.889567	51.5939	70.4551	-1.15517	0.667121	0.08335	0.189362	OK	97.24557	43.66462
5 TGTAAACATCCTCG	293.1391	635.4751	155.9579	199.7776	257.4591	519.1062	484.4945	578.8541	250.1845	1204.093	783.5231	289.8465	292.3312	1269.996	612.4006	120.6806	1513.136	906.1526	98.89567	326.7614	539.6132	-1.29819	0.689011	0.059547	0.150935	OK	767.2387	311.9878
5 TGTAAACATCCTCG	1753.655	2585.674	692.1562	821.1636	1708.276	3276.536	3140.896	2704.482	1707.832	4279.842	3174.134	1505.01	1474.294	5192.629	2102.756	492.2342	11318.74	6218.72	774.6828	3251.216	2908.746	-0.51871	0.725983	0.474919	0.617771	OK	3426.097	2391.395
5_TGTAAACATCCTCG	36.25395	144.9064	22.27971	29.83691	24.35424	84.80447	54.06376	86.59087	29.36437	212.487	186.1408	78.68684	59.53047	242.6216	90.16034	15.45663	101.2729	44.97692	6.593045	29.5965	78.99889	-1.96218	0.749615	0.008855	0.039331	OK	125.7303	32.26746
5 TGTAAACATCTCCG	48.68388	69.43434	25.25033	46.70125	0	7.709497	24.9525	28.46823	23.4915	50.46566	41.12414	48.80576	40.57384	13.93944	9.853589	32.69672	9.531568	3.968552	4.395363	3.599575	26.68229	-2.52843	0.76419	0.000938	0.00768	OK	45.48139	7.883182
5 TGTAAACATCTCCG	103.5827	194.718	57.92724	168.6434	48.70847	61.67598	58.22251	124.5485	73.99822	88.53625	159.0855	79.68287	149.9902	53.87405	35.9656	124.842	38.12627	15.87421	9.889567	7.199149	82.75454	-3.15602	0.630653	5.6E-07	6.14E-05	OK	148.8141	16.695
5_TGTAAACATCTCCG	30.03899	72.45322	14.85314	36.32319	6.958353	7.709497	6.238126	39.14382	16.44405	27.44624	32.46643	19.92072	39.57612	20.34405	12.80967	58.2596	3.574338	5.291402	2.197682	4.39948	22.82241	-2.4971	0.77964	0.001361	0.009651	OK	38.77628	6.868534
5 TGTAAACATCTCCG	54.89884	104.1515	25.25033	93.4025	27.83341	38.54749	17.67469	78.28764	31.71352	30.98769	53.0285	52.7899	71.83565	25.61843	21.18522	69.55483	19.06314	18.51991	8.790727	5.999291	42.45666	-2.47	0.625153	7.78E-05	0.001346	OK	71.93048	12.98284
5 TGTAAACATCTCCG	2.071654	9.056653	1.485314	7.783541	6.958353	5.139665	2.079375	7.117058	4.6983	0.885362	1.082214	3.984144	5.653732	2.637191	1.478038	4.1614	2.382892	1.322851	0	0.399953	3.518885	-2.7127	0.985628	0.005919	NaN	Low	6.106291	0.931478
5 TGTAAACATCTCCG	12.42993	48.30215	19.30908	33.72868	10.43753	17.98883	7.277814	29.65441	14.0949	11.50971	36.79528	32.86919	36.58297	9.041798	5.912153	21.99597	3.574338	0	0	1.199858	17.63523	-3.69938	0.901513	4.07E-05	0.000836	OK	32.74942	2.521037
5 TGTAAACATCTTCG	19.68072	28.6794	8.911883	10.37806	24.35424	20.55866	11.43656	17.79265	8.222024	15.05116	8.657714	6.972252	4.656014	13.93944	2.463397	1.783457	5.95723	10.5828	0	1.999764	11.10387	-2.74649	0.812945	0.000729	0.006361	OK	19.32766	2.880081
5 TGTAAACATCTTCG	60.07798	107.1704	32.6769	27.24239	27.83341	74.52514	40.54782	69.98441	54.03045	57.54856	32.46643	14.94054	18.29148	44.83225	28.57541	5.944857	48.84929	18.51991	4.395363	6.799197	38.76261	-2.61731	0.666843	8.68E-05	0.001401	OK	66.66136	10.86386
5_TGTAAACATCTTCG	6.214963	19.62275	1.485314	0	0	7.709497	3.119063	3.558529	2.34915	4.426812	6.493285	2.988108	4.323442	4.144157	1.970718	0.594486	1.191446	1.322851	0	0	3.575728	-3.34355	1.104664	0.002472	NaN	Low	6.510128	0.641329
5 TGTAAACATTCCCG	5.179136	3.018884	8.911883	10.37806	10.43753	7.709497	11.43656	13.04794	15.26947	1.770725	11.90436	1.992072	8.314311	4.89764	1.970718	5.350372	3.574338	2.645701	2.197682	0.799905	6.540339	-2.05997	0.798252	0.009863	NaN	Low	10.55045	2.530227
5 TGTAAACATTCTCG	13.46575	25.66052	7.426569	10.37806	13.91671	7.709497	8.317501	9.489411	14.0949	23.01942	11.90436	3.984144	5.653732	12.80921	4.434115	3.566914	11.91446	2.645701	0	1.999764	9.619537	-2.61929	0.781165	0.000799	NaN	Low	16.54622	2.692852
5_TGTAAACATTCTCG	25.89568	46.79271	16.33845	10.37806	17.39588	15.41899	7.277814	20.165	10.57117	21.2487	9.739928	5.976216	2.993152	14.31618	4.434115	1.188971	10.72301	3.968552	0	1.999764	12.34112	-2.84135	0.868281	0.001066	0.008345	OK	21.66	3.022232
5 TGTAAATATCCCCG	1.035827	1.509442	0	2.594514	6.958353	0	1.039688	5.930882	1.174575	2.656087	2.164428	3.984144	2.993152	0.753483	2.956077	3.566914	1.191446	2.645701	0	0	2.157736	-3.05913	1.120578	0.006334	NaN	Low	3.853166	0.462305
5 TGTAAATATCCCCG	13.46575	9.056653	5.941255	12.97257	17.39588	12.84916	6.238126	20.165	15.26947	0.885362	14.06878	1.992072	13.63547	3.767416	1.970718	7.133829	10.72301	5.291402	2.197682	3.999527	8.950958	-1.34934	0.742647	0.069227	NaN	Low	12.85622	5.045695
5_TTATCAGAATCTCC	6.214963	0	0	1.297257	0	2.569832	0	2.372353	1.174575	0.885362	1.082214	1.992072	0.665145	0.376742	0.492679	1.783457	1.191446	0	10.98841	1.199858	1.714318	1.859237	0.9182	0.042881	NaN	Low	0.740821	2.687815
5 TTATCAGAATCTCC	5.179136	6.037769	2.970628	6.486284	3.479177	2.569832	2.079375	8.303235	1.174575	2.656087	6.493285	5.976216	2.993152	2.637191	5.912153	8.3228	4.765784	7.937103	12.08725	10.39877	5.42299	1.155724	0.518969	0.02595	NaN	Low	3.36001	7.48597
5 TTATCAGAATCTCC	11.3941	4.528326	1.485314	7.783541	0	5.139665	5.198438	13.04794	5.872875	7.0829	4.328857	9.960359	11.64004	8.288315	12.31699	8.3228	14.29735	7.937103	17.58145	17.99787	8.710212	1.069345	0.458942	0.019805	NaN	Low	5.622247	11.79818
5 TTATCAGAATCTCC	9.322444	7.547211	0	1.297257	10.43753	0	2.079375	4.744705	3.523725	6.197537	5.411071	2.988108	4.656014	3.767416	30.05345	10.10626	5.95723	0	8.790727	8.399007	6.263953	0.403253	0.855302	0.637302	NaN	Low	5.394178	7.133728
5_TTATCAGAATCTCC	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	2.463397	0	0	0	0	0	0.142007	-0.30082	0.868905	0.729185	NaN	Low	0.156759	0.127255
5 TTATCAGAATCTCC	10.35827	10.56609	13.36782	10.37806	3.479177	2.569832	7.277814	40.33	1.174575	23.90479	20.56207	16.93261	13.3029	9.418539	34.48756	16.05111	17.87169	19.84276	19.77913	11.59863	15.16267	0.00162	0.656718	0.998032	0.998032	OK	15.15416	15.17118
5_TTATCAGAATCTCC	2.071654	7.547211	5.941255	1.297257	3.479177	10.27933	0	10.67559	4.6983	13.28044	2.164428	3.984144	4.323442	4.144157	11.33163	10.70074	15.4888	5.291402	18.68029	13.59839	7.448882	1.184091	0.677941	0.080707	NaN	Low	4.552825	10.34494
5_TTATCAGAATCTCT	19.68072	7.547211	11.88251	7.783541	10.43753	5.139665	2.079375	10.67559	8.222024	2.656087	5.411071	0	2.66058	2.637191	3.941436	2.972429	0	2.645701	1.098841	1.199858	5.433568	-1.85293	0.902688	0.040104	NaN	Low	8.511026	2.35611
5 TTATCAGAATCTCT	5.179136	6.037769	1.485314	3.891771	0	0	2.079375	7.117058	2.34915	0	1.082214	1.992072	0.665145	0.376742	0.985359	1.783457	0	0	0	0	1.751228	-2.59655	1.152266	0.024232	NaN	Low	3.005539	0.496917
5_TTATCAGAATCTTC	14.50158	4.528326	14.85314	15.56708	3.479177	0	3.119063	17.79265	8.222024	4.426812	3.246643	1.992072	5.321159	2.637191	6.897512	9.511772	1.191446	9.259954	2.197682	5.199386	6.697233	-0.76128	0.759999	0.316493	NaN	Low	8.424347	4.97012
5_TTATCAGAATCTTC	3.107481	0	1.485314	3.891771	0	0	0	5.930882	3.523725	2.656087	0	3.984144	0.665145	1.130225	0.492679	2.377943	1.191446	0	2.197682	0	1.631726	-0.71692	1.034315	0.488226	NaN	Low	2.029011	1.234442
50 AAAAACTGCAGTT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.463397	1.188971	0	0	0	0	0.182618	-0.32678	0.89377	0.714649	NaN	Low	0.203213	0.162024
50_AAAGTGCATCCTT	0	0	0	7.783541	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.389177	-0.05589	0.430495	0.896708	NaN	Low	0.396714	0.38164
50_AACAAACATGGT	1.035827	0	0	0	0	0	0	0	0	0	0	0	0	1.130225	0	0	0	1.322851	15.38377	0	0.943634	2.84795	1.67295	0.088689	NaN	Low	0.230161	1.657106
50 AACGCCATTATCA	0	0	0	0	0	0	0	0	0	0	0	19.92072	0	1.883708	0	1.783457	0	5.291402	0	0	1.443964	-0.75685	1.114134	0.496935	NaN	Low	1.81427	1.073658
50 AACTGGCCCTCAA	0	0	2.970628	11.67531	0	0	0	4.744705	0	0	1.082214	0.996036	0	0.376742	0.492679	11.29523	0	1.322851	0	3.199622	1.907801	-0.13113	1.18228	0.911684	NaN	Low	1.994445	1.821157
50_AACTGGCCCTCAA	2.071654	0	0	7.783541	6.958353	2.569832	1.039688	2.372353	1.174575	4.426812	6.493285	8.964323	1.33029	1.506966	0.492679	9.511772	0	5.291402	1.098841	7.599102	3.534274	0.362231	0.914171	0.691928	NaN	Low	3.092899	3.975648
50 AACTGGCCCTCAA	6.214963	25.66052	31.19159	58.37656	41.75012	20.55866	8.317501	36.77147	11.74575	49.5803	79.00164	88.6472	21.94978	27.87888	17.73646	303.1877	2.382892	67.46538	3.296522	37.59556	46.96547	-1.04136	0.904861	0.249793	0.396964	OK	63.21617	30.71477
50 AACTGGCCCTCAA	4.143309	19.62275	22.27971	53.18753	38.27094	48.82682	2.079375	24.9097	7.04745	23.90479	55.19293	74.7027	21.28464	16.95337	10.83895	140.8931	0	27.77986	3.296522	15.59816	30.54063	-1.43526	0.910145	0.114805	0.233623	OK	44.59202	16.48924
50_AACTGGCCCTCAA	0	9.056653	5.941255	15.56708	6.958353	33.40782	0	5.930882	0	3.54145	16.23321	21.91279	7.649166	6.027865	4.434115	25.56289	0	10.5828	0	2.399716	8.760303	-2.01923	1.02839	0.04959	NaN	Low	14.0537	3.466904
50 AACTGGCCCTCAA	1.035827	0	0	3.891771	0	0	0	1.186176	0	2.656087	0	0	0.332572	0	0	3.566914	0	0	0	0.399953	0.653465	-0.70419	1.192859	0.554962	NaN	Low	0.809854	0.497076
50 AACTGGTCCTCAA	0	1.509442	1.485314	6.486284	0	0	0	2.372353	1.174575	1.770725	3.246643	0.996036	0	0.376742	0	2.972429	0	1.322851	0	0	1.18567	-2.10459	1.179254	0.074313	NaN	Low	1.923982	0.447358
50_AAGTGCTGTCATA	0	0	0	652.5202	0	0	1.039688	0	0	0	9.739928	0	0	0	0	0	0	0	0	0	33.16499	-0.15767	0.681532	NaN	NaN	Outlier	34.97549	31.35449
50 AATCGTACAGGGT	0	0	0	1.297257	0	0	0	1.186176	2.34915	0	0	0	0	0.376742	0.985359	2.377943	0	2.645701	158.2331	0	8.47257	5.022586	1.415515	0.000388	NaN	Low	0.505751	16.43939
50 AATGCACCCGGG	5.179136	0	0	0	0	0	2.079375	1.186176	2.34915	2.656087	1.082214	0.996036	0	3.013933	0	1.783457	4.765784	5.291402	2.197682	7.199149	1.988979	1.181639	0.978654	0.227274	NaN	Low	1.217118	2.76084
50_AATGCACCCGGG	13.46575	3.018884	11.88251	3.891771	6.958353	5.139665	7.277814	9.489411	14.0949	3.54145	0	0	0.997717	3.013933	0.492679	2.972429	3.574338	7.937103	5.494204	61.99267	8.261779	2.303344	0.870113	0.008117	NaN	Low	2.783616	13.73994
50 AATGCACCCGGG	2.071654	1.509442	1.485314	0	3.479177	2.569832	2.079375	0	3.523725	0.885362	0	0	0	0.753483	0.492679	0.594486	4.765784	0	6.593045	16.39806	2.360071	2.805015	0.900195	0.001833	NaN	Low	0.590856	4.129287
50 AATGCACCCGGG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.999764	0.099988	1.411663	1.419114	0.319858	NaN	Low	0.054632	0.145345
50_AATGCACCTGGG	16.57323	3.018884	5.941255	1.297257	0	5.139665	7.277814	2.372353	5.872875	4.426812	5.411071	4.98018	0.665145	7.15809	2.463397	1.783457	4.765784	0	6.593045	14.79825	5.026928	1.151484	0.756457	0.127957	NaN	Low	3.120936	6.932921
50 AATGCACCTGGG	3.107481	0	0	0	0	2.569832	2.079375	0	2.34915	2.656087	0	0.996036	0.665145	2.260449	0.492679	0	4.765784	1.322851	0	0.799905	1.203239	-0.94945	1.081904	0.380173	NaN	Low	1.585474	0.821003
50 AATGCACCTGGG	6.214963	1.509442	4.455941	0	0	2.569832	2.079375	1.186176	0	0	0	0	0.997717	1.883708	0.492679	1.188971	1.191446	5.291402	0	8.399007	1.873033	1.16641	1.012135	0.249147	NaN	Low	1.154581	2.591485
50_AATGCACTCGGG	4.143309	0	0	1.297257	6.958353	0	1.039688	5.930882	3.523725	0.885362	0	0.996036	0	0.376742	0	0	2.382892	0	0	1.199858	1.436705	-0.62006	1.150553	0.589939	NaN	Low	1.740782	1.132628
50 ACTGCAGTGAAG	6.214963	1.509442	2.970628	1.297257	0	0	1.039688	0	1.174575	3.54145	1.082214	6.972252	2.993152	5.274382	2.463397	1.188971	1.191446	0	1.098841	3.599575	2.180612	0.078163	0.862665	0.927805	NaN	Low	2.121555	2.239668
50 ACTGCAGTGAAG	10.35827	13.58498	0	3.891771	3.479177	0	2.079375	1.186176	5.872875	7.0829	1.082214	11.95243	9.312028	16.19989	6.404833	11.29523	14.29735	9.259954	7.691886	12.79849	7.391491	0.442794	0.748278	0.554018	NaN	Low	6.26601	8.516973
50_ACTGCAGTGAAG	1.035827	1.509442	0	0	0	0	0	0	0	0	1.082214	0.996036	0.997717	3.767416	2.463397	0.594486	1.191446	0	0	2.399716	0.801885	0.422278	1.097036	0.700292	NaN	Low	0.685359	0.91841
50 ACTGCAGTGAAG	14.50158	3.018884	10.3972	9.080798	6.958353	0	6.238126	5.930882	11.74575	4.426812	7.5755	6.972252	10.30975	19.59056	10.34627	8.917286	1.191446	10.5828	16.48261	16.79801	9.053244	0.893099	0.556677	0.108639	NaN	Low	6.337231	11.76926
50 ACTGCAGTGAAG	4.143309	0	0	1.297257	0	0	0	2.372353	5.872875	7.0829	2.164428	7.968287	4.988587	11.30225	6.404833	1.783457	0	0	4.395363	5.999291	3.288759	0.516044	0.980211	0.598567	NaN	Low	2.706765	3.870753
50_ACTGCAGTGAAG	4.143309	4.528326	0	1.297257	6.958353	0	2.079375	0	2.34915	0	5.411071	0.996036	3.990869	4.89764	2.956077	1.783457	0	0	1.098841	1.199858	2.184481	-0.78944	0.96026	0.411012	NaN	Low	2.767675	1.601287
50 ACTGCAGTGAAG	0	0	0	0	0	0	0	0	1.174575	0	0	0.996036	1.33029	1.883708	0.492679	1.783457	1.191446	0	1.098841	0.399953	0.517549	0.088749	1.133084	0.93757	NaN	Low	0.501635	0.533463
50 AGCATTGTACAG	0	0	7.426569	1.297257	0	0	0	1.186176	0	0	0	0	0	0	0	0	0	0	0	0	0.4955	-0.54638	1.038887	0.598935	NaN	Low	0.588224	0.402777
50_AGCATTGTACAG	5.179136	3.018884	19.30908	14.26983	0	0	3.119063	1.186176	8.222024	0	0	0	1.33029	0.753483	0	3.566914	0	2.645701	5.494204	1.199858	3.464732	-0.06029	1.107229	0.956575	NaN	Low	3.537118	3.392346
50 AGCATTGTACAG	3.107481	6.037769	17.82377	18.1616	0	2.569832	0	3.558529	7.04745	0.885362	0	0	2.328007	0.376742	0	0.594486	0	5.291402	5.494204	1.599811	3.743822	-0.06664	1.103453	0.951843	NaN	Low	3.830274	3.65737
50 AGCATTGTACAG	37.28978	19.62275	127.737	50.59302	6.958353	10.27933	22.87313	23.72353	38.76097	9.738987	10.82214	4.98018	15.6309	10.17202	3.448756	16.05111	7.148676	15.87421	34.06407	11.59863	23.86838	-0.07003	0.814235	0.931459	0.958683	OK	24.44757	23.28918
50_AGCATTGTACAG	22.7882	21.13219	108.4279	49.29576	17.39588	10.27933	19.75407	16.60647	38.76097	9.738987	9.739928	4.98018	13.63547	10.17202	1.970718	10.70074	9.531568	33.07126	38.45943	15.99811	23.12196	0.231917	0.789912	0.769065	0.846315	OK	21.2675	24.97642
50 AGCATTGTACAG	5.179136	3.018884	7.426569	5.189028	3.479177	0	0	2.372353	1.174575	0	1.082214	0.996036	2.993152	1.130225	0.492679	1.188971	0	1.322851	2.197682	3.199622	2.122158	0.415782	0.889763	0.640289	NaN	Low	1.818456	2.425859
50 AGCATTGTACAG	0	6.037769	4.455941	1.297257	0	0	3.119063	2.372353	4.6983	0	4.328857	0	1.33029	0	0.492679	0.594486	0	3.968552	0	2.799669	1.774761	-0.13887	1.082405	0.897914	NaN	Low	1.860111	1.689411
50_ATTGCACGGTATC	27.96733	16.60386	31.19159	33.72868	0	7.709497	17.67469	11.86176	21.14235	15.93652	6.493285	7.968287	5.321159	8.665056	15.76574	18.42906	1.191446	15.87421	2.197682	0	13.28611	-3.37352	0.865528	NaN	NaN	Outlier	24.23395	2.338267
50 ATTGCACGGTATC	92.18862	39.2455	102.4867	80.42993	6.958353	35.97765	17.67469	48.63323	24.66607	22.13406	17.31543	22.90883	25.60808	32.02303	60.10689	101.6571	1.191446	56.88257	4.395363	0.799905	39.66417	-3.50946	0.825152	2.11E-05	0.000611	OK	72.92475	6.403586
50 ATTGCACGGTATC	1.035827	0	0	3.891771	3.479177	2.569832	3.119063	3.558529	0	1.770725	0	2.988108	0.997717	1.130225	7.390192	3.566914	0	0	0	0	1.774904	-2.60888	1.151744	0.023503	NaN	Low	3.049855	0.499953
50_ATTGCACGGTATC	68.36459	54.33992	74.26569	92.10524	10.43753	35.97765	35.34938	78.28764	27.01522	35.4145	51.94628	80.67891	50.55101	45.58573	76.858	70.14932	0	80.69388	6.593045	1.199858	48.79067	-3.41517	0.750883	5.41E-06	0.000232	OK	89.21791	8.363434
50 ATTGCACGGTATC	22.7882	36.22661	41.58879	66.1601	0	20.55866	31.19063	33.21294	8.222024	21.2487	7.5755	28.88504	20.28692	20.72079	25.61933	21.40149	0	25.13416	2.197682	0.399953	21.67088	-3.59628	0.856843	0.000027	0.000655	OK	40.03183	3.309925
50 ATTGCACGGTATC	5.179136	0	1.485314	5.189028	0	0	1.039688	0	1.174575	0	0	0	0	0.753483	0	0.594486	0	0	0	0	0.770785	-1.40516	1.191415	0.238237	NaN	Low	1.119046	0.422525
50_ATTGCAGTGAAG	6.214963	7.547211	1.485314	1.297257	3.479177	2.569832	1.039688	1.186176	2.34915	0	2.164428	2.988108	0.997717	2.637191	0.985359	1.188971	0	1.322851	0	1.599811	2.05266	-0.83181	0.926435	0.369259	NaN	Low	2.628543	1.476777
50 ATTGTACGGTATC	20.71654	6.037769	16.33845	22.05337	0	0	7.277814	1.186176	2.34915	0	1.082214	0	1.662862	2.637191	1.478038	4.1614	0	1.322851	0	0	4.415191	-2.79496	1.144252	0.014582	NaN	Low	7.718259	1.112123
50 ATTGTACGGTATC	9.322444	0	2.970628	0	0	0	0	3.558529	2.34915	0.885362	0	0.996036	0.997717	0.753483	0.985359	3.566914	0	0	0	0	1.319281	-2.17281	1.176366	0.064739	NaN	Low	2.159609	0.478953
50_CAAAGCGCTCCCC	0	0	0	58.37656	0	0	0	0	0	0	2.164428	0	0	0	0	0	0	0	0	0	3.027049	-0.13221	0.633175	NaN	NaN	Low	3.165648	2.88845
50 CAAAGCGCTCCCC	0	0	0	22.05337	0	0	0	0	0	0	1.082214	0	0	0	0	0	0	0	0	0	1.156779	-0.16832	0.699737	NaN	NaN	Low	1.224182	1.089376
50 CAAAGTGATGAG	14.50158	1.509442	0	0	3.479177	12.84916	5.198438	1.186176	0	2.656087	6.493285	0	0.997717	1.506966	0	2.972429	30.9776	6.614253	2.197682	0.799905	4.696995	-1.17323	1.097601	0.285113	NaN	Low	6.508114	2.885876
50 CAAAGTGATGAG	30.03899	1.509442	0	1.297257	10.43753	5.139665	10.39688	5.930882	1.174575	4.426812	25.97314	1.992072	0.997717	2.260449	3.448756	5.944857	84.59267	5.291402	14.28493	3.599575	10.93688	-0.25391	1.022568	0.803897	0.873917	OK	11.89683	9.976925
50 CAGTGCAATAGT	3.107481	0	0	0	10.43753	2.569832	1.039688	1.186176	1.174575	0	0	0	1.995435	0.376742	1.970718	1.783457	2.382892	3.968552	16.48261	27.99669	3.823619	3.437691	0.804583	1.93E-05	NaN	Low	0.646128	7.00111
50 CAGTGCAATAGT	1.035827	6.037769	0	0	3.479177	2.569832	1.039688	5.930882	3.523725	0	2.164428	0	0.997717	1.883708	1.970718	5.944857	4.765784	1.322851	14.28493	38.79542	4.787365	3.143605	0.781534	5.76E-05	NaN	Low	0.973309	8.601421
50 CAGTGCAATAGT	14.50158	6.037769	2.970628	2.594514	20.87506	20.55866	2.079375	4.744705	7.04745	0.885362	12.98657	1.992072	17.62634	7.911573	11.33163	16.05111	17.87169	9.259954	18.68029	61.19277	12.85996	1.866206	0.711103	0.008681	0.038905	OK	5.536253	20.18366
50 CAGTGCAATGAT	3.107481	4.528326	1.485314	0	6.958353	7.709497	1.039688	5.930882	2.34915	1.770725	3.246643	2.988108	3.990869	1.130225	0.492679	1.188971	4.765784	1.322851	30.76754	61.99267	7.338288	3.835584	0.63024	1.16E-09	NaN	Low	0.960721	13.71586
50 CAGTGCAATGAT	1.035827	3.018884	1.485314	2.594514	3.479177	7.709497	9.357189	11.86176	2.34915	2.656087	6.493285	8.964323	9.644601	3.767416	1.970718	6.539343	25.02037	2.645701	32.96522	72.7914	10.81749	2.815662	0.71563	8.34E-05	0.001401	OK	2.690775	18.9442
50 CAGTGCAATGAT	2.071654	4.528326	0	0	0	2.569832	4.158751	5.930882	0	2.656087	2.164428	2.988108	1.662862	1.883708	4.434115	1.188971	19.06314	2.645701	14.28493	22.79731	4.75144	2.190236	0.831357	0.008425	NaN	Low	1.707983	7.794897
50 CAGTGCAATGAT	7.25079	15.09442	10.3972	6.486284	17.39588	25.69832	24.9525	36.77147	11.74575	6.197537	23.80871	25.89693	38.24583	9.795281	17.73646	7.133829	32.16904	11.90566	83.5119	76.39097	24.42924	2.003375	0.571931	0.00046	0.004679	OK	9.753422	39.10506
50 CATACAAGGACA	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0.492679	0.594486	0	0	19.77913	0	1.062152	3.855648	1.599027	0.015898	NaN	Low	0.137259	1.987045
50 CCACTGCCCCAG	6.214963	0	13.36782	3.891771	0	0	0	0	0	0.885362	2.164428	2.988108	0.332572	0	0.985359	2.972429	1.191446	0	3.296522	8.399007	2.33449	1.17884	1.088904	0.278989	NaN	Low	1.43047	3.238509
50 CCACTGCCCCAG	2.071654	0	0	0	0	0	1.039688	3.558529	0	0.885362	1.082214	0	0	0.376742	0.492679	1.188971	0	1.322851	1.098841	4.39948	0.875851	1.618418	1.02541	0.114494	NaN	Low	0.430353	1.321348
50 CCACTGCCCCAG	10.35827	7.547211	16.33845	12.97257	6.958353	0	7.277814	5.930882	9.396599	1.770725	1.082214	0	8.314311	0.753483	1.478038	13.07869	8.340122	0	14.28493	20.79754	7.33401	1.28674	0.866315	0.137464	NaN	Low	4.264254	10.40377
50 CCACTGCCCCAG	2.071654	0	0	0	0	0	1.039688	4.744705	0	2.656087	2.164428	0	0.997717	1.506966	3.448756	2.972429	3.574338	3.968552	4.395363	5.599338	1.957001	1.328055	0.814143	0.102842	NaN	Low	1.114897	2.799105
50 CCACTGCCCCAG	2.071654	3.018884	0	1.297257	0	0	0	0	1.174575	0	1.082214	0	0.665145	0	0.985359	2.972429	0	1.322851	3.296522	0.799905	0.93434	0.874245	1.045794	0.403176	NaN	Low	0.6596	1.209079
50 CCCAATACACGGT	0	0	0	0	0	0	0	0	0	0	0	0.996036	0.332572	0.753483	0	0	1.191446	1.322851	376.9024	0	19.07494	6.79788	1.433145	2.1E-06	0.00013	OK	0.339814	37.81006

50_CGTCAACACTTGC	0	0	0	0	0	0	1.039688	0	0	0.885362	0	0	0.665145	0.376742	0	4.755886	0	3.968552	1.098841	5.599338	0.919478	1.496514	1.166336	0.199461	NaN	Low	0.4812	1.357755
50_CGTCAACACTTGC	0	0	1.485314	1.297257	6.958353	2.569832	0	2.372353	0	0	0	0	1.33029	0.753483	0.492679	1.783457	0	1.322851	2.197682	10.79872	1.668114	2.393797	0.933492	0.010337	NaN	Low	0.533337	2.802891
50_CGTCAACACTTGC	2.071654	0	2.970628	2.594514	3.479177	0	1.039688	16.60647	0	6.197537	3.246643	1.992072	2.66058	2.637191	3.941436	9.511772	1.191446	5.291402	12.08725	21.59745	4.955845	1.923645	0.793688	0.015364	NaN	Low	2.067605	7.844085
50_CTACAGTATAGAT	16.57323	0	2.970628	7.783541	3.479177	0	8.317501	0	0	0.885362	0	3.984144	3.990869	2.260449	0.985359	2.377943	2.382892	3.968552	4.395363	1.199858	3.277744	-0.26704	0.984613	0.78623	NaN	Low	3.580229	2.975259
50_CTAGCACCATTTG	3.107481	3.018884	0	0	0	0	1.039688	0	2.34915	2.656087	0	0	0.332572	1.883708	0.985359	0	0	0	0	0.799905	0.808642	-0.55582	1.152073	0.629482	NaN	Low	0.962515	0.654768
50_CTAGCACCATTTG	2.071654	6.037769	0	1.297257	3.479177	0	7.277814	1.186176	1.174575	4.426812	2.164428	1.992072	1.995435	1.506966	0.492679	1.188971	5.95723	1.322851	0	1.599811	2.258584	-1.00062	0.916736	0.27505	NaN	Low	3.01188	1.505288
50_CTCGTACCGTGAG	3.107481	9.056653	4.455941	6.486284	0	5.139665	5.198438	0	3.523725	1.770725	3.246643	2.988108	6.651449	7.15809	4.434115	1.188971	1.191446	3.968552	3.296522	2.399716	3.763126	-0.48662	0.720665	0.499526	NaN	Low	4.391825	3.134428
50_CTCGTACCGTGAG	8.286617	16.60386	8.911883	24.64788	24.35421	10.27933	16.635	10.67559	8.222024	12.39507	5.411071	13.9445	21.61721	15.82315	10.34627	8.3228	5.95723	10.5828	20.87798	10.39877	13.21466	0.222903	0.47943	0.641979	0.752665	OK	12.19582	14.2335
50_CTGCTGAGCTAGC	0	0	0	0	3.479177	0	0	1.186176	0	0	0	0.996036	0	0.753483	0.492679	1.188971	0	0	2.197682	1.999764	0.614698	1.762141	1.095112	0.107595	NaN	Low	0.279917	0.94948
50_GAAAGCGCTTCCC	0	0	0	0.980798	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.45404	-0.05326	0.420947	0.899318	NaN	Low	0.46242	0.44566
50_GAGTGCCTTCTTT	0	0	0	11.67531	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.583766	-0.04949	0.406722	0.903159	NaN	Low	0.593777	0.573755
50_GAGTGCCTTCTTT	0	0	0	7.783541	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.389177	-0.05589	0.430495	0.896708	NaN	Low	0.396714	0.38164
50_GTTTTTCATTATTC	3.107481	0	8.911883	5.189028	6.958353	10.27933	0	5.930882	2.34915	3.54145	2.164428	1.992072	1.662862	1.506966	1.478038	4.755886	0	1.322851	4.395363	3.199622	3.437282	2.246535	0.786995	0.754082	NaN	Low	3.144304	3.73026
50_GTTTTTCATTATTC	16.57323	4.528326	8.911883	9.080798	17.39588	2.569832	0	16.60647	14.0949	6.197537	4.328857	2.988108	3.658297	4.520899	9.853589	7.728315	2.382892	2.645701	4.395363	6.399244	7.243006	-0.35759	0.725922	0.622299	NaN	Low	8.136061	6.349951
50_GTTTTTCATTATTC	5.179136	0	2.970628	5.189028	3.479177	5.139665	1.039688	4.744705	8.222024	0.885362	3.246643	0.996036	3.658297	2.260449	5.912153	2.972429	1.191446	2.645701	1.098841	0.399953	3.061568	-1.92981	0.900432	0.032097	NaN	Low	4.850148	1.272988
50_TAATACTGTCTGG	5.179136	3.018884	1.485314	0	3.479177	2.569832	1.039688	0	1.174575	0.885362	0	1.992072	2.66058	0	0	2.972429	2.382892	0	3.296522	3.999527	1.8068	1.03611	0.94875	0.274799	NaN	Low	1.184518	2.429081
50_TAATACTGTCTGG	45.57639	34.71717	19.30908	19.45885	20.87506	17.98883	2.079375	0	19.96777	16.82189	4.328857	9.960359	29.26638	0	0.492679	30.31877	57.18941	18.51991	24.1745	67.19206	21.91187	1.015493	0.955641	0.28795	0.436797	OK	14.50552	29.32022
50_TAATACTGTCTGG	435.0474	739.6266	148.5314	149.1845	236.584	118.2123	94.61158	0	203.2015	239.0479	27.05536	112.5521	283.0192	1.506966	3.448756	431.0022	679.1242	181.2305	249.4369	987.0834	265.9753	1.132371	1.008561	0.26154	0.408631	OK	166.6415	365.3092
50_TAATACTGTCTGG	51.79136	69.43434	35.64753	22.05337	73.06271	7.709497	18.71438	0	50.50672	14.1658	1.082214	7.968287	12.97033	0	0.492679	5.350372	8.340122	5.291402	13.18609	17.59792	20.76826	-0.33817	1.028725	0.742365	0.831786	OK	23.1912	18.34531
50_TAATACTGTCTGG	2.071654	3.018884	1.485314	3.891771	0	5.139665	1.039688	0	0	0.885362	0	0.996036	1.33029	0	0	1.783457	1.191446	2.645701	0	1.999764	1.373952	-0.09844	1.024871	0.923476	NaN	Low	1.42081	1.327093
50_TAGCACCATTTGA	0	0	1.485314	0	0	0	2.079375	3.558529	0	4.426812	1.082214	1.992072	0	0.753483	0.492679	0	1.191446	0	0	0.799905	0.947202	-0.67962	1.148272	0.55394	NaN	Low	1.166269	0.728135
50_TAGCACCATTTGA	0	0	1.485314	12.97257	3.479177	2.569832	3.119063	1.186176	0	7.968262	5.411071	5.976216	3.325724	1.506966	4.434115	2.972429	3.574338	0	0	0.799905	3.039058	-1.97302	1.018267	0.052668	NaN	Low	4.844207	1.233909
50_TATGTAACACGGT	0	0	1.485314	0	3.479177	0	0	0	0	0	0	0.996036	0	0.376742	0	0	0	1.322851	41.75595	0	2.470803	3.930053	1.53278	0.010347	NaN	Low	0.304234	4.637373
50_TATGTAACACGGT	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0	0.594486	0	0	7.691886	0	0.433156	2.715674	1.712087	0.112699	NaN	Low	0.114455	0.751856
50_TATGTAACACGGT	0	0	0	1.297257	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.494204	0	0.339573	1.882908	1.681681	0.26286	NaN	Low	0.144864	0.534283
50_TATGTCTGCTGAC	20.71654	0	4.455941	20.75611	0	5.139665	2.079375	4.744705	1.174575	0	1.082214	3.984144	1.995435	4.144157	2.956077	7.728315	1.191446	7.937103	1032.91	0.799905	56.1898	5.432417	1.020198	NaN	NaN	Outlier	2.543459	109.8361
50_TATGTCTGCTGAC	17.60906	6.037769	2.970628	9.080798	6.958353	0	1.039688	7.117058	3.523725	1.770725	5.411071	10.9564	0.997717	6.027865	7.390192	6.539343	2.382892	9.259954	1013.131	0	55.91022	5.401465	0.954294	NaN	NaN	Outlier	2.584419	109.236
50_TCTCTCGGCTCCT	1.035827	0	1.485314	7.783541	3.479177	0	0	8.303235	1.174575	0.885362	0	0	2.328007	0	0	0.594486	0	0	0	0	1.353476	-1.75942	1.191516	0.139777	NaN	Low	2.089718	0.617235
50_TCTCTCGGCTCCT	1.035827	4.528326	16.33845	19.45885	0	3.119063	16.60647	3.523725	3.312175	2.164428	2.988108	2.66058	1.506966	1.970718	5.944857	2.382892	1.322851	6.593045	0.799905	0	4.912862	-0.4567	0.90865	0.615234	NaN	Low	5.684046	4.141678
50_TCTCTCGGCTCCT	2.071654	4.528326	4.455941	5.189028	3.479177	0	0	2.372353	1.174575	0	0	1.33029	1.883708	3.448756	4.755886	1.191446	0	0	0	1.199811	1.794057	-2.64722	1.149052	0.021232	NaN	Low	3.094195	0.493919
50_TCTCTCGGCTCCT	0	4.528326	13.36782	7.783541	13.91671	2.569832	1.039688	14.23412	3.523725	0.885362	1.082214	1.992072	0.997717	1.506966	1.970718	2.972429	4.765784	1.322851	1.098841	1.599811	4.057926	-1.20983	0.941918	0.19899	NaN	Low	5.666232	2.44962
50_TCTCTCGGCTCCT	1.035827	3.018884	7.426569	3.891771	3.479177	0	1.039688	26.09588	2.34915	2.656087	4.328857	0	4.988587	1.130225	3.448756	1.783457	0	5.291402	4.395363	2.399716	3.937797	-2.12437	0.941337	0.818953	NaN	Low	4.230009	3.64593
50_TCTCTCGGCTCCT	1.035827	3.018884	5.941255	10.37806	0	2.569832	4.158751	21.35117	0	2.656087	0	0.996036	3.990869	1.130225	2.463397	5.350372	4.765784	2.645701	3.296522	2.799669	3.927422	-0.34476	0.911789	0.705349	NaN	Low	4.394464	3.46038
50_TCTCTCGGCTCCT	0	0	2.970628	1.297257	0	0	1.039688	4.744705	0	0	0	0.996036	1.662862	0.753483	0	0.594486	0	1.322851	0	0.399953	0.789097	-1.01581	1.158971	0.380773	NaN	Low	1.055965	0.522229
50_TCTCTTGGCTCCT	0	0	1.485314	3.891771	6.958353	0	0	7.117058	0	0.885362	1.082214	0	0.332572	0	0	0.594486	0	0	0	0	1.117357	-1.53876	1.193333	0.197236	NaN	Low	1.66251	0.572203
50_TCTGGGCAACAAA	4.143309	3.018884	0	3.891771	0	0	2.079375	0	0	0.885362	1.082214	4.98018	0.665145	0.376742	0.492679	1.783457	0	0	0	0	1.169956	-2.22871	1.172911	0.057414	NaN	Low	1.928472	0.41144
50_TCTGGGCAACAAA	0	0	0	0	0	0	0	1.186176	1.174575	0	0	0	0.997717	1.130225	0.492679	3.566914	0	0	0	1.599811	0.507405	0.389242	1.183619	0.742264	NaN	Low	0.439368	0.575442
50_TCTGGGCAACAAA	1.035827	0	0	0	0	0	2.079375	0	0	1.770725	0	4.98018	1.995435	1.130225	0	2.377943	2.382892	0	2.197682	1.199858	1.057507	0.421975	1.067494	0.692625	NaN	Low	0.903945	1.21107
50_TGATCATGTATGA	6.214963	3.018884	0	11.67531	10.43753	12.84916	4.158751	7.117058	2.34915	5.312175	2.164428	4.98018	1.33029	2.260449	2.956077	2.377943	8.340122	1.322851	0	1.999764	4.543254	-1.56188	0.8492	0.06588	NaN	Low	6.787513	2.298996
50_TGACATTGCTCCG	1.035827	0	2.970628	9.080798	0	0	0	1.186176	3.523725	0.885362	0	0.996036	0	1.883708	1.478038	4.1614	0	0	1.098841	0.799905	1.455022	-0.50812	1.098548	0.643696	NaN	Low	1.708637	1.201408
50_TTCACAGTGGCTA	2.071654	3.018884	26.73565	7.783541	0	5.139665	1.039688	0	4.6983	4.426812	1.082214	3.984144	0.997717	0.376742	0.492679	1.783457	1.191446	0	0	0.799905	3.281125	-1.84929	1.089006	0.08948	NaN	Low	5.136674	1.425576
50_TTCACAGTGGCTA	24.85985	3.018884	108.4279	7.783541	0	2.569832	4.158751	0	11.74575	0.885362	3.246643	1.992072	2.66058	0.753483	1.478038	3.566914	0	1.322851	3.296522	1.599811	9.16834	-1.27624	1.116615	NaN	NaN	Low	12.97831	5.358371
50_TTCACAGTGGCTA	4.143309	4.528326	14.85314	5.189028	0	5.139665	1.039688	1.186176	1.174575	1.770725	0	1.992072	2.993152	0	0	0	1.191446	1.322851	1.098841	0.799905	2.421145	-0.9771	1.074439	0.363134	NaN	Low	3.211071	1.631218
50_TTCACAGTGGCTA	9.322444	7.547211	23.76502	25.94514	10.43753	25.6832	25.99219	11.86176	16.44405	21.2487	15.151	14.94054	16.29605	3.013933	3.941436	15.45663	14.29735	5.291402	16.48261	9.198913	14.61661	-0.2038	0.597894	0.733204	0.824331	OK	15.64731	13.58592
50_TTCACAGTGGCTA	40.39726	134.3403	141.1048	136.212	24.35424	174.7486	61.34157	40.33	70.4745	46.92421	50.86407	87.65116	159.9673	62.5391	32.02416	42.80297	60.76375	21.16561	41.75595	34.79589	73.22788	-0.93791	0.613732	0.126463	0.246915	OK	96.22647	50.22928
50_TTCACAGTGGCTA	114.9768	466.4176	310.4306	334.6923	173.9588	316.0894	186.1041	138.7826	142.1236	182.3847	121.208	188.2508	323.593	143.5385	147.8038	138.5152	277.6069	152.1278	104.3899	115.1864	203.909	-0.92533	0.453796	0.041442	0.116085	OK	267.1481	140.67
50_TTCACAGTGGCTA	0	4.528326	2.970628	1.297257	3.479177	0	5.198438	8.303235	3.523725	5.312175	2.164428	2.988108	3.990869	3.390674	3.448756	2.377943	11.91446	0	0	1.999764	3.344398	-1.30206	0.863717	0.13168	NaN	Low	4.758858	1.929938
50_TTCACAGTGGCTA	9.322444	86.0382	40.10347	23.35062	13.91671	48.82682	33.27001	16.60647	8.222024	49.5803	15.151	28.88504	68.8425	27.12539	27.09737	16.05111	60.76375	17.19706	12.08725	16.39806	30.94178	-1.09588	0.648553	0.091078	0.201804	OK	42.15935	19.72421
50_TTCACAGTGGCTA	1.035827	12.07554	0	2.594514	0	5.139665	0	2.372353	2.34915	1.770725	0	1.992072	4.988587	1.130225	0.985359	0	2.382892	0	0	1.199858	2.000838	-1.08633	1.072646	0.311174	NaN	Low	2.720459	1.281217
50_TTCACAGTGGCTA	1.035827	9.056653	2.970628	5.189028	3.479177	10.27933	4.158751	3.558529	1.174575	9.738987	4.328857	1.992072	11.97261	3.390674	6.404833	1.783457	8.340122	3.968552	3.296522	4.39948	5.025933	-0.35922	0.702352	0.609035	NaN	Low	5.648428	4.403438
50_TTCACAGTGGCTA	14.50158	37.73605	22.2971	12.97257	13.91671	20.55866	25.99219	13.04794	19.96777	17.70725	23.80871	18.92468	15.6309	14.31618	11.33163	34.48017	21.44603	17.19706	31.86638	21.59745	20.46398	0.403431	0.396273	0.308648	0.459015	OK	17.62124	23.30672
50_TTCACAGTGGCTA	2.071654	6.037769	5.941255	0	3.479177	5.139665	7.277814	1.186176	4.6983	1.770725	2.246643	4.98018	4.656014	1.883708	0.985359	10.70074	1.191446	1.322851	5.494204	4.39948	3.823158	0.356016	0.744312	0.632426	NaN	Low	3.353815	4.292501
50_TTCACAGTGGCTA	3.107481	45.28326	19.30908	16.86434	6.958353	12.84916	18.71438	10.67559	23.4915	4.426812	4.328857	3.984144	8.646884	1.506966	2.956077	1.188971	8.340122	1.322851	2.197682	2.399716	9.927611	-1.78431	0.896061	0.04645	NaN	Low	15.38789	4.467331
50_TTCACAGTGGCTA	1.035827	27.16996	11.88251	7.783541	6.958353	10.27933	2.079375	2.372353	14.0949	3.54145	0	1.992072	8.314311	2.260449	1.478038	1.188971	10.72301	2.645701	0	0.399953	5.810005	-2.98787	1.041333	0.004114	NaN	Low	10.31921	1.300796
50_TTCACAGTGGCTA	3.107481	24.15107	5.941255	9.080798	6.958353	10.27933	4.158751	2.372353	7.04745	0.885362	3.246643	0.996036	2.66058	0.376742	1.970718	0.594486	3.574338	0	0	0.399953	4.390085	-2.66151	1.058928	0.011957	NaN	Low	7.581829	0.198341
50_TTCATAGTGGCTA	3.107481	19.62275	1.485314	7.783541	3.479177	7.709497	4.158751	4.744705	4.6983	0	0	0.996036	1.33029	0.753483	0	0.594486	0	0	0	0.399953	3.043188	-2.04127	1.132506	0.071477	NaN	Low	4.896717	1.189659
50_TTTACAGTGGCTA	3.107481	15.09442	5.941255	3.891771	3.479177	5.139665	0	0	7.04745	0	0	5.976216	3.658297	2.637191	0	0.594486	0	0	0	0	2.82837	-2.42827	1.164721	0.037083	NaN	Low	4.770448	0.886293
50_TTTACAGTGGCTA	1.035827	7.547211	7.426569	0	0	2.569832	1.039688	0	0	0	0	0	0.332572	0.376742	0	0.594486	0	0	0	0	1.046146	-1.51435	1.193174	0.204379	NaN	Low	1.549783	0.54251
51_AAAGCGCTTCCCT	0	0	0	16.86434	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.843217	-0.04495	0.388736	0.907944	NaN	Low	0.856352	0.830082
51_AACACACCTGGTT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12.08725	0	0.604362	3.491531	1.7202	0.042385	NaN	Low	0.098692	1.110033
51_AAGCTCGGCTGTA	5.179136	0	1.485314	0	6.958353	0	0	0	0	0	2.164428	1.992072	1.33029	0	0.492679	1.783457	2.382892	0	3.296522	0.399953	1.373255	0.352137	1.099176	0.748692	NaN	Low	1.206488	1.540022
51_AAGCTCGGCTGTA	4.143309	1.509442	5.941255	1.297257	0	5.139665	0	2.372353	0	1.770725	2.164428	0	0.332572	0	0	2.972429	1.191446	0	4.395363	0.399953	1.68151	0.40214	1.067842	0.706478	NaN	Low	1.448662	1.914358
51_AAGCTCGGTCGTA	1.035827	0	8.911883	0	0	5.139665	1.039688	3.558529	0	1.770725	1.082214	2.988108	1.995435	0.376742	0	5.350372	0	2.645701	9.889567	1.199858	2.349216	1.134658	0.998352	0.255734	NaN	Low	1.470252	3.22818
51_AAGCTCGGTCGTA	2.071654	4.528326	0	1.297257	0	5.139665	1.039688	2.372353	0	0.885362	0	1.992072	1.33029	0.376742	0	1.783457	0	1.322851	1.098841	1.199622	1.421909	0.749162	0.926548	0.418773	NaN	Low	1.060803	1.783015
51_AAGCTCGGTCGTA	7.25079	3.018884	7.426569	5.189028	0	12.84916	1.039688	5.930882	2.34915	2.656087	2.164428	4.98018	5.986304	2.260449	0.985359	16.6456	10.72301	6.614253	14.28493	9.198913	6.077684	0.982341	0.718793	0.171734	NaN	Low	4.084919	8.070448
51_AAGCTCGGTCGTA	6.214963	4.528326	2.970628	2.594514	0	0	3.119063	1.186176	5.872875	0.885362	1.082214	5.976216	2.66058	1.883708	3.448756	2.377943	3.574338	7.937103	5.494204	5.599338	3.370315	0.740241	0.631605	0.241198	NaN	Low	2.524151	4.216479
51_AAGCTCGGTCGTA	52.82718	58.86824	71.29506	64.86284	86.97942	61.67598	53.02407	111.5006	73.99822	55.77784	51.94628	49.8018	94.78315	71.95764	62.57029	145.0545	148.9308	71.43393	131.8609	138.7836	82.89661	0.788577	0.383469	0.039741	0.112599	OK	60.78868	105.0045
51_AATAACACAGATC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18.68029	0	0.934015	4.070549	1.718251	0.017836	NaN	Low	0.104935	1.763095
51_AATGCACCTGGGC	15.53741	6.037769	7.426569	2.594514	0	0	8.317501	2.372353	2.34915	3.54145	3.246643	2.988108	4.988587	3.390674	2.956077	3.566914	1.191446	3.968552	4.395363	15.1982	4.703364	1.144814	0.673209	0.089031	NaN	Low	2.929371	6.477357
51_AATGCACCTGGGC	6.214963	0	0	1.297257	3.479177	0	2.079375	0	1.174575	0.885362	3.246643	0	0.665145	1.883708	0.492679	0	1.191446	3.968552	4.395363	4.799433	1.786884	1.414842	0.915308	0.122164	NaN	Low	0.975742	2.601626
51_AATGCACCTGGGC	0	1.509442	0	0	0	0	2.079375	1.186176	0	0.885362	0	2.988108	0.997717	1.130225	0	1.188971	0	1.322851	3.296522	3.999527	1.029214	1.819248	0.925444	0.04932	NaN	Low	0.454502	1.603926
51_ACCAATATTACTG	25.89568	1.509442	10.3972	3.891771	0	0	2.079375	1.186176	2.34915	0	0	0	2.328007	0	0	1.188971	0	0	5.494204	1.199858	2.875992	0.123422	1.172647	0.916177	NaN	Low	2.753046	2.998937
51_ACCAATATTACTG	11.3941	4.528326	16.33845	10.37806	3.479177	2.569832	4.158751	3.558529	4.6983	3.54145	1.082214	5.976216	3.325724	1.130225	3.448756	4.1614	2.382892	3.968552	9.889567	10.39877	5.520464	0.977247	0.65244	0.134176	NaN	Low	3.719106	7.321823
51_ACCAATATTACTG	3.107481	4.528326	11.88251	6.486284	6.958353	5.139665	4.158751	2.372353	19.96777	4.426812	4.328857	1.992072	5.986304	3.390674	2.956077	2.972429	9.531568	7.937103	29.6687	11.99858	7.489534	1.688395	0.612833	0.005868	NaN	Low	3.547037	11.43203
51_ACCAATATTACTG	0	0	0	0	0	0	0	0	0	0	0	1.992072	0.997717	1.130225	0.492679	0	1.191446	1.322851	2.197682	1.199622	0.626215	1.906985	1.075924	0.076326	NaN	Low	0.263656	0.988774
51_ACCAATATTACTG	1.035827	4.528326	5.941255	6.486284	0	2.569832	1.039688	0	10.57117	0	0	0	0	0.376742	0	0.594486	0	0	2.197682	0	1.767065	-0.4296	1.185274	0.717017	NaN	Low	2.028233	1.505897
51_ACTGGCCCTCAAA	0	0	0	5.189028	0	2.569832	1.039688	1.186176	1.174575	0.885362	2.164428	5.976216	2.328007	1.130225	0.985359	5.944857	0	7.937103	2.197682	0.799905	2.075422	-0.5207	0.979066	0.594838	NaN	Low	2.445944	1.7049
51_ACTGGCCCTCAAA	0	0	0	5.189028	3.479177	5.139665	1.039688	2.372353	2.34915	3.54145	1.082214	1.968287	2.993152	1.506966	0.492679	3.426766	0	5.291402	0	0.399953	2.855641	-2.25589	1.08905	0.038319	NaN	Low	4.722536	0.988746
51_ACTGGCCCTCAAA	0	0	0	1.297257	0	2.569832	0	1.186176	0	0.885362	3.246643	8.964323	2.328007	0.376742	0	3.566914	0	1.322851	0	0	1.287205	-2.02696	1.183028	0.086646	NaN	Low	2.067182	0.507229
51_AGCGCCTCGACGA	0	0	0	0	0	2.569832	2.079375	0	0	0.885362	0	0	0.665145	0	0	0.594486	0	0	3.296522	2.399716	0.624522	2.111699	1.130417	0.061752	NaN	Low	0.234695	1.014349
51_AGCGCCTCGACGA	0	0	0	0	0	0	1.039688	0	1.174575	0	1.082214	1.992072	0.997717	0.753483	2.956077	3.566914	1.191446	3.968552	5.494204	3.199622	1.370828	1.536499	0.921123	0.095301	NaN	Low	0.702827	2.038829
51_AGTGCAATAGTAT	0	0	0	0	0	0	0	0	2.34915	0	0	0	0	0	0.492679	0.594486	1.191446	0	1.098841	4.39948	0.506304	2.188438	1.180004	0.063653	NaN	Low	0.182185	0.830423
51_ATACAAGACAAAT	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0.492679	0.594486	0	0	9.889567	0	0.567674	3.030256	1.646252	0.065666	NaN	Low	0.123817	1.01153
51_ATACAAGACAAAT	0	0	0	1.297257	0	0	0	0	0	0	0	0	0	0.753483	0	0	0	0	25.27334	0	1.366204	3.643189	1.680675	0.030182	NaN	Low	0.202487	2.529921
51_ATCGTACAGGGTC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.889567	0	0.494478	3.224236	1.713588	0.059894	NaN	Low	0.095595	0.893362
51_ATGCACCCGGGCA	0	0	0	0	0	0	0	0	0	0.885362	0	0

51 TGTAGTGTTTCCT.	4.143309	3.018884	1.485314	2.594514	6.958353	5.139665	2.079375	4.744705	2.34915	1.770725	0	0.996036	0	0	0	7.133829	4.765784	0	1.098841	0	2.413924	-1.56249	1.101876	0.156184	NaN	Low	3.606728	1.22112
51_TTGAAAGGCTATT	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0	0	0	0	17.58145	0	0.89791	3.803106	1.707703	0.025945	NaN	Low	0.120051	1.675769
51 TTTGTGACCTGGT	0	0	0	1.297257	0	0	0	0	1.174575	0	0	0	0	0.376742	0.492679	0	0	0	42.85479	0	2.309802	4.472597	1.518225	0.00322	NaN	Low	0.199106	4.420498
51 TTTGTGACCTGGT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18.68029	0	0.934015	4.070549	1.718251	0.017836	NaN	Low	0.104935	1.763095
51 TTTGTGACCTGGT	0	0	0	0	0	0	0	0	0	0	0	0.332572	0.376742	0.492679	0	0	0	0	86.80843	0	4.400521	5.719028	1.511205	0.000154	NaN	Low	0.163971	8.637071
51_TTTTTCATTATTGC	2.071654	0	0	6.486284	0	0	0	1.186176	0	1.770725	2.164428	0.996036	0.332572	1.506966	0.492679	0.594486	0	0	1.199858	0	0.940093	-0.33809	1.100264	0.75863	NaN	Low	1.049745	0.830441
51 TTTTTCATTATTGC	33.14647	1.509442	23.76502	32.43142	10.43753	15.41899	3.119063	18.97882	7.04745	7.0829	11.90436	8.964323	6.984021	9.418539	4.434115	6.539343	3.574338	5.291402	4.395363	8.399007	11.1421	-0.7207	0.742056	0.331435	0.480581	OK	13.86867	8.415522
51_TTTTTCATTATTGC	23.82402	1.509442	8.911883	14.26983	3.479177	17.98884	2.079375	13.04794	16.44405	7.968262	3.246643	2.988108	5.986304	3.390674	5.419474	4.755886	2.382892	2.645701	1.098841	1.199858	7.131859	-2.24827	0.863827	0.00925	NaN	Low	11.78356	2.480159
51 TTTTTCATTATTGC	4.143309	1.509442	8.911883	5.189028	3.479177	2.569832	1.039688	0	3.523725	0.885362	1.082214	1.992072	0.332572	0.753483	0.985359	1.188971	0	0	0	0.399953	1.899093	-1.84936	1.083099	0.087735	NaN	Low	2.973431	0.825176
51 TTTTTCATTATTGC	17.60906	4.528326	11.88251	19.45885	6.958353	10.27933	2.079375	5.930882	15.26947	0	1.082214	0	1.33029	1.506966	0.985359	1.188971	0	0	1.098841	0.399953	5.079438	-1.89338	1.083826	0.080647	NaN	Low	8.004311	2.154565
51 TTTTTCATTATTGT	23.82402	0	5.941255	14.26983	3.479177	0	2.079375	5.930882	2.34915	0	3.246643	0	1.33029	0.753483	1.478038	0.594486	1.191446	0	0	0	3.323404	-2.60143	1.155155	0.024321	NaN	Low	5.706517	0.940291
52_AAAAACTGAGACT	0	1.509442	0	1.297257	3.479177	2.569832	1.039688	1.186176	2.34915	0.885362	1.082214	0.996036	0.997717	1.130225	1.970718	2.377943	0	3.968552	0	2.799669	1.481958	0.262042	0.853088	0.758715	NaN	Low	1.34774	1.616176
52 AAAAACTGAGACT	0	0	0	0	3.479177	0	1.039688	1.186176	0	0.885362	0	0	0.332572	0	0.492679	2.972429	0	0	1.098841	1.999764	0.674334	1.088286	1.126169	0.333863	NaN	Low	0.431406	0.917262
52 AAAGTGCATCCTT	0	0	0	14.26983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.713491	-0.04686	0.396417	0.905911	NaN	Low	0.725077	0.701906
52 AAAGTGCTTCCCT	0	0	0	53.18753	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.659377	-0.03508	0.345505	NaN	NaN	Low	2.691705	2.627049
52 ACAAAAAAAAAAC	0	0	0	0	0	0	0	0	0	1.770725	1.082214	0	0.665145	0	0	1.188971	5.95723	2.645701	0	1.999764	0.765488	0.228382	1.192232	0.811835	NaN	Low	0.690433	0.840542
52 ACTGCCCCAGGTC	5.179136	0	0.455941	0	3.479177	0	3.119063	1.186176	0	0	1.082214	0	0.997717	0.376742	0	2.377943	0	0	4.395363	1.199858	1.392467	0.857266	1.080546	0.427566	NaN	Low	0.990514	1.794419
52_ACTGCCCCAGGTC	3.107481	1.509442	0	1.297257	3.479177	0	2.079375	0	1.174575	2.656087	0	0.996036	0.997717	1.506966	1.970718	1.783457	0	6.614253	1.098841	0.799905	1.553564	-0.65118	0.938998	0.488009	NaN	Low	1.89834	1.208789
52 AGAAATGCTGGAG	0	0.318884	0	1.297257	0	0	0	2.372353	9.396599	0.885362	4.328857	0	1.995435	0.376742	0	0	2.382892	10.5828	0	0	1.831859	-2.06654	1.181965	0.080396	NaN	Low	2.957636	0.706082
52 AGCATTGTACAGC	2.071654	1.509442	14.85314	3.891771	0	0	2.079375	0	2.34915	0	0	0	0	0.376742	0	0.594486	0	1.322851	4.395363	0.399953	1.692196	0.343493	1.162648	0.767657	NaN	Low	1.491694	1.892699
52 AGCTCGGTCTGAC	21.75237	0.318884	16.33845	5.189028	6.958353	7.709497	5.198438	4.744705	2.34915	2.656087	1.082214	1.992072	1.33029	0.753483	0.492679	17.24009	1.191446	6.614253	12.08725	2.799669	6.07492	0.257192	0.90044	0.775162	NaN	Low	5.534857	6.614984
52 AGCTCGGTCTGAC	9.322444	0.318884	28.22096	1.297257	6.958353	0	5.198438	7.117058	0	0	6.972252	3.325724	0.753483	0.492679	5.944857	1.191446	1.322851	16.48261	2.399716	0	5.000951	0.816889	1.024826	0.425393	NaN	Low	3.621774	6.380127
52 AGCTCGGTCTGAC	11.3941	1.509442	10.3972	3.891771	0	7.709497	3.119063	4.744705	0	1.770725	3.246643	7.968287	4.656014	1.130225	0	3.566914	0	2.645701	14.28493	5.599338	4.381728	1.181217	0.867105	0.173118	NaN	Low	2.681858	6.081597
52 AGCTCGGTCTGAC	4.143309	0	7.426569	3.891771	3.479177	0	3.119063	4.744705	1.174575	0.885362	1.082214	0.996036	2.993152	1.130225	0	3.566914	0	5.494204	1.999764	0	2.306352	0.62734	0.903716	0.485929	NaN	Low	1.812661	2.800043
52 AGCTCGGTCTGAC	12.42993	1.509442	11.88251	7.783541	3.479177	5.139665	4.158751	7.117058	3.523725	3.54145	7.5755	6.972252	11.97261	3.767416	1.970718	19.02354	7.148676	10.5828	26.37218	15.1982	8.557457	1.372499	0.614766	0.025578	NaN	Low	4.768467	12.34645
52 AGCTCGGTCTGAC	1.035827	0	8.911883	1.297257	0	0	2.079375	1.186176	1.174575	0.885362	1.082214	0	1.662862	0	0.492679	2.377943	0	2.645701	2.197682	0.799905	1.391472	0.014392	1.014868	0.988685	NaN	Low	1.384532	1.398413
52 AGCTCGGTCTGAC	0	0.318884	0	0	6.958353	2.569832	1.039688	1.186176	0	0	0	0.996036	2.66058	0.753483	1.970718	2.972429	0	0	0	0.399953	1.226307	-1.35149	1.132748	0.232829	NaN	Low	1.762076	0.690537
52 ATATACAGGGGGA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.494204	0	0.27471	2.460333	1.655656	0.137275	NaN	Low	0.084482	0.464939
52 ATATACAGGGGGA	0	0	0	0	0	0	0	0	0	0	0	0	0.332572	0.376742	0.985359	0	0	1.322851	19.77913	0	1.139833	3.569624	1.548913	0.021189	NaN	Low	0.177088	2.102578
52 ATCACAAGTCAGG	0	0	0	0	0	20.5866	0	19.96777	0.885362	22.7265	1.992072	0.997717	0.376742	1.478038	0	0	0	1.322851	1.098841	1.999764	3.670216	-0.65548	1.187001	0.580803	NaN	Low	4.489929	2.850503
52 ATCACAAGTCAGG	0	0	0	0	0	15.41899	0	11.74575	2.656087	22.7265	1.992072	1.662862	0.753483	1.478038	0	0	0	0	2.197682	0.399953	3.051571	-0.67554	1.187637	0.569485	NaN	Low	3.753244	2.349898
52 ATCATGTATGATA	0	0.318884	0	7.783541	0	5.139665	1.039688	1.186176	1.174575	0	1.082214	0	0.332572	0.376742	0.985359	2.377943	0	2.645701	2.197682	0	1.467037	-0.41842	1.0905	0.701201	NaN	Low	1.678301	1.255774
52 ATGCACCTGGGCA	0	0	0	0	3.479177	0	2.079375	0	1.174575	0	0	1.992072	0.665145	0	0	1.188971	0	0	0	2.799669	0.668949	0.929449	1.181297	0.431397	NaN	Low	0.460622	0.877277
52 ATTGCACTTGTCT	5.179136	0	0	0	0	0	0	1.186176	0	0	0	0	0	0	0	0.594486	0	0	0	0	0.34799	-0.54196	1.036692	0.601131	NaN	Low	0.412594	0.283386
52 ATTGCACTTGTCT	9.322444	0	0	1.297257	0	0	1.039688	2.372353	0	0	0	0.997717	0.753483	0	0	0	0	0	0	0.399953	0.809145	-0.78471	1.191736	0.510243	NaN	Low	1.02393	0.594359
52_CCAATATTGGCTG	8.286617	1.509442	0	2.594514	3.479177	5.139665	0	2.372353	1.174575	0.885362	1.082214	1.992072	3.658297	1.506966	0.492679	8.917286	1.191446	0	0	1.999764	2.314121	-0.81887	0.991339	0.408789	NaN	Low	2.953786	1.674457
52 CCAATATTGGCTG	14.50158	1.509442	0	1.297257	0	2.569832	1.039688	0	0	2.656087	1.082214	0	3.658297	0.753483	0	1.783457	1.191446	0	0	1.599811	1.68213	-0.65641	1.128855	0.560916	NaN	Low	2.058336	1.305923
52 CCAATATTGGCTG	1.035827	1.509442	1.485314	5.189028	10.43753	2.569832	0	0	2.34915	1.770725	3.246643	3.984144	3.325724	1.130225	2.463397	2.377943	1.191446	2.645701	0	1.599811	2.415594	-0.98627	0.867329	0.255484	NaN	Low	3.210555	1.620633
52 CCAATATTGGCTG	9.322444	7.547211	2.970628	9.080798	6.958353	2.569832	5.198438	2.372353	4.6983	2.656087	1.082214	4.98018	11.30746	5.651124	3.448756	8.3228	7.148676	2.645701	1.098841	2.799669	5.092993	-1.23277	0.702558	0.079314	NaN	Low	7.145551	3.040436
52 CCAATATTGGCTG	5.179136	3.018884	0	5.189028	3.479177	0	1.039688	2.372353	3.523725	0.885362	1.082214	3.984144	6.651449	1.883708	2.463397	1.783457	3.574338	0	0	0.799905	2.345498	-1.80298	0.961456	0.600757	NaN	Low	3.646093	1.014904
52 CCAATATTGGCTG	3.107481	3.018884	2.970628	1.297257	0	0	0	0	3.523725	0.885362	0	1.992072	5.653732	3.390674	3.448756	2.377943	4.765784	2.645701	0	0	1.9539	-2.97067	1.127522	0.008421	NaN	Low	3.465691	0.442109
52 CCAATATTGGCTG	0	0	0	0	0	0	0	1.186176	0	0	0	0.996036	1.995435	0.376742	0	0.594486	0	0	0	0	0.257444	-0.95656	1.15598	0.407959	NaN	Low	0.339796	0.175091
52 CCAATATTGGCTG	1.035827	1.509442	0	0	0	0	1.039688	0	1.174575	0.885362	0	0.996036	4.656014	1.506966	0.492679	1.188971	0	0	0	0.799905	0.764273	-0.65183	1.114697	0.558706	NaN	Low	0.934051	0.594496
52 CCAATATTGGCTG	5.179136	0	0	0	0	2.569832	1.039688	2.372353	0	0.885362	0	0	1.33029	0.376742	0.985359	0.594486	0	0	0	0	0.766662	-1.82335	1.189429	0.125285	NaN	Low	1.195515	0.33781
52 CGTACCGTGAGTA	1.035827	4.528326	11.88251	12.97257	17.39588	20.55866	17.67469	9.489411	5.872875	7.968262	7.5755	3.984144	9.644601	10.92551	2.956077	5.350372	2.382892	10.5828	5.494204	1.199858	8.473749	-1.38697	0.718179	0.053455	NaN	Low	12.25976	4.687741
52 CGTACCGTGAGTA	0	0	0	0	0	0	1.039688	0	0	2.656087	0	0.996036	0.665145	1.506966	0.492679	0	0	0	2.399716	0	0.487816	0.910869	1.174312	0.437949	NaN	Low	0.33874	0.636892
52 CGTACCGTGAGTA	40.39726	69.43434	59.41255	79.13267	114.8128	79.66481	96.69095	53.37794	81.04567	95.61915	38.95971	52.7899	86.46884	100.2133	57.15082	39.83054	44.0835	96.56809	104.3899	52.39381	72.12183	0.124242	0.944221	0.752641	0.837589	OK	69.01825	75.22541
52 CGTACCGTGAGTA	2.071654	10.56609	5.941255	6.486284	17.39588	20.55866	9.357189	7.117058	1.174575	10.62435	3.246643	8.964323	8.314311	16.19989	4.926795	2.972429	8.340122	7.937103	1.098841	7.199149	8.02463	-0.74574	0.683735	0.275412	NaN	Low	10.05365	5.995614
52 CGTACCGTGAGTA	14.50158	15.09442	16.33845	25.94514	3.479177	15.41899	30.15094	24.9097	25.84065	13.28044	22.7265	7.968287	24.61036	35.03697	19.2145	10.10626	11.91446	26.45701	30.76754	21.9974	19.78794	0.399469	0.461394	0.386606	0.536138	OK	17.06576	22.51012
52 CGTACTGTGAGTA	22.7882	25.66052	13.36782	25.94514	34.79177	12.84916	20.79375	17.79265	16.44405	9.738987	4.328857	5.976216	9.312028	6.781348	2.463397	3.566914	2.382892	5.291402	0	0.799905	12.05375	-3.5819	0.914541	8.98E-05	0.001401	OK	22.24944	1.858061
52 CGTATCGTGAGTA	4.143309	10.56609	5.941255	3.891771	0	5.139665	7.277814	3.558529	3.523725	1.770725	0	0	1.995435	2.637191	0.492679	0.594486	0	0	0	0.399953	2.596632	-2.16135	1.085785	0.046526	NaN	Low	4.244435	0.948828
52 CTATACGGCCTCC	2.071654	0	7.426569	2.594514	3.479177	0	2.079375	1.186176	0	0	2.164428	0	2.66058	2.260449	2.463397	0	1.191446	1.322851	3.296522	1.599811	1.789848	0.376802	0.917075	0.681165	NaN	Low	1.557432	2.022263
52 GAAAGCGCTTCCC	0	0	0	9.080798	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.45404	-0.05326	0.420947	0.899318	NaN	Low	0.46242	0.44566
52 GAAAGCGCTTCCC	0	0	0	6.486284	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.324314	-0.21221	0.766097	0.781782	NaN	Low	0.348123	0.300505
52 GAAAGCGCTTCTC	0	0	0	6.486284	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.324314	-0.21221	0.766097	0.781782	NaN	Low	0.348123	0.300505
52 GAAGGCGCTTCCC	0	0	0	7.783541	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.389177	-0.05589	0.430495	0.896708	NaN	Low	0.396714	0.38164
52 GTAGTGTTTCCTA	1.035827	0	0	0	0	0	0	1.186176	3.523725	0	2.164428	0	0	0	0	4.1614	0	0	0	0	0.603578	-1.00931	1.162933	0.38545	NaN	Low	0.8065	0.400656
52 GTAGTGTTTCCTA	6.214963	7.547211	5.941255	6.486284	6.958353	12.84916	8.317501	5.930882	5.872875	2.656087	4.328857	3.984144	2.993152	1.883708	1.970718	33.2912	1.191446	2.645701	2.197682	2.399716	6.283045	-1.29476	0.844259	0.125126	NaN	Low	8.927294	3.638796
52 GTAGTGTTTCCTA	0	0	0	0	0	0	0	1.186176	0	0	0	0.996036	0	0.376742	0	4.755886	0	0	0	0	0.365742	-0.7526	1.113223	0.499006	NaN	Low	0.459033	0.272451
52 GTAGTGTTTCCTA	4.143309	1.509442	2.970628	1.297257	3.479177	2.569832	2.079375	1.186176	7.04745	0	0	0	0	1.130225	1.970718	8.3228	0	0	1.098841	2.799669	2.080245	-0.0159	1.044145	0.987849	NaN	Low	2.091709	2.06878
52 GTAGTGTTTCCTA	1.035827	0	1.485314	0	0	2.569832	0	0	1.174575	0	0	1.992072	0.332572	0.753483	0.492679	2.972429	0	0	0	0.799905	0.680434	-0.35429	1.133262	0.754564	NaN	Low	0.763566	0.597303
52 GTAGTGTTTCCTA	0	0	0	0	0	0	0	1.186176	0	0	0	0	0	0	0	4.1614	0	1.322851	0	0	0.335521	-0.5426	1.036999	0.600805	NaN	Low	0.395512	0.271531
52 TAACTGGTTGAAC	0	1.509442	1.485314	1.297257	0	0	0	1.186176	0	0	2.164428	5.976216	33.92239	3.767416	1.970718	2.377943	15.4888	1.322851	0	0	3.623447	-2.39468	1.167442	0.040246	NaN	Low	0.088985	1.15791
52 TAACTGGTTGAAC	2.071654	12.07554	8.911883	3.891771	31.31259	0	1.039688	3.558529	7.04745	13.28044	7.5755	11.95243	112.7421	8.665056	21.18522	5.350372	51.23218	3.968552	5.494204	0	15.56776	-1.93523	1.026397	0.059368	0.150935	OK	24.68174	6.453775
52 TAACTGGTTGAAC	0	3.018884	1.485314	0	3.479177	0	0	0	1.174575	5.312175	0	6.972252	42.56927	6.404607	5.912153	0.594486	10.72301	0	0	0	4.382295	-2.22928	1.176065	0.058021	NaN	Low	7.223971	1.54062
52 TATACAATCTACT	2.071654	6.037769	14.85314	3.891771	6.958353	2.569832	2.079375	0	4.6983	1.770725	1.082214	0.996036	2.66058	3.767416	1.970718	3.566914	11.91446	1.322851	8.790727	2.799669	4.190125	0.46554	0.786031	0.553672	NaN	Low	3.519881	4.86037
52 TCGTACAGGGTCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14.28493	0	0.714247	3.714263	1.72174	0.030984	NaN	Low	0.101131	1.327362
52 TCGTACAGGGTCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.188971	0	0	10.98841	0	0.608869	2.487916	1.71138	0.146016	NaN	Low	0.184236	1.033502
52 TCGTACAGGGTCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.494204	0	0.27471	2.460333	1.655656	0.137275	NaN	Low	0.084482	0.464939
52 TCGTACAGGGTCT	1.035827	0	0	0	0	0	0	0	0	0	0.1082214	0	0.376742	0	0	0	0	0	49.44784	0	2.597131	4.653834	1.573403	0.003098	NaN	Low	0.198455	4.995807
52 TCGTACAGGGTCC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.494204	0	0.27471	2.460333	1.655656	0.137275	NaN	Low	0.084482	0.464939
52 TCTCACGTAGCAA	0.143309	0	5.941255	1.297257	6.958353	10.27933	0	1.186176	2.34915	0	3.246643	4.98018	1.33029	0.753483	3.390192	1.783457	3.574338	1.322851	1.098841	0.399953	2.901753	-1.6029	0.988513	0.104904	NaN	Low	4.36612	1.437386
52 TCTCACGTAGCAA	2.071654	1.509442	7.426569	2.594514	13.91671	0	8.303235	7.04745	3.54145	1.082214	1.992072	4.988587	0.376742	10.34627	1.783457	3.574338	3.968552	0	1.599811	0	3.806153	-1.5943	0.953693	0.094581	NaN	Low	5.718451	1.893856
52_TCTCACGTAGCAA	2.071654	0	1.485314	0	3.479177	2.569832	1.039688	0	2.34915	0.885362	0	2.988108	1.662862	0.376742	1.478038	0	0	0	0.399953	0	1.039294	-1.24941	1.116858	0.263274	NaN	Low	1.463156	0.615432
52 TGTAAACGCTTTC	2.071654	1.509442	7.426569	3.891771	0	0	1.039688	1.186176	0	0.885362	2.164428	0	0.665145	0	0	0	0	0	0.399953	0	1.062009	-1.13319	1.175258	0.334942	NaN	Low	1.458899	0.66512
52 TTGCATAGTCACA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.191446	0	0	3.599575	0.239551	1.585657	1.651762	0.337066	NaN	Low	0.119732	0.35937
52 TTGCATAGTCACA	0	0	0	0	0	0	0	1.186176	0	1.968262	2.164428	0	0.332572	0.376742	0	1.188971	3.574338	1.322851	1.098841	14.3983	1.680574	2.060924	1.13181	0.06862	NaN	Low	0.649807	2.711341
52 TTGCATAGTCACA	1.035827	0	1.485314	1.297257	0	0	0	1.186176	0	1.770725	0	0	1.33029	0	0	0.594486	0	0	6.593045	18.39783	1.684547	3.761713	0.972179	0.000109	NaN	Low	0.23133	3.137765
52 TTTGGTCCCCTTC	2.071654	1.509442	14.85314	0	3.479177	5.139665	0	1.186176	1.174575	0	0.1082214	1.992072	0.665145	2.260449	4.434115	1.188971	3.574338	2.645701	2.197682	12.39853	3.092652	1.355663	0.901762	0.132749	NaN	Low	1.737862	4.447443
53 AAAATGGTTCCCT	0	0	0	53.18753	0	0	0	0	0	0	1.082214	0	0	0	0	0	0	0	0	0	2.713487	-0.13381	0.636412	NaN	NaN	Low	2.839236	2.587739
53 AAAGCGCTTCCCT	0	0	0	6.486284	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.324314	-0.21221	0.766097	0.781782	NaN	Low	0.348123	0.300505
53 AAAGCGCTTCCCT	0	0	0	14.26983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.713491	-0.04686	0.396417	0.905911	NaN	Low	0.725077	0.701906
53 AAAGCGTTTCCCT	0	0	0	9.080798	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.45404	-0.05326	0.420947	0.899318	NaN	Low	0.46242	0.44566
53 AAAGTGCATCTTT	0	0	0	50.59302	0	0	0	0	0	0	2.164428	0	0	0	0	0	0	0	0	0	2.637872	-0.13659	0.641952	NaN	NaN	Low	2.76265	2.513095
53 AAAGTGCATTTTT	0	0	0	57.0793	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.853965	-0.03463	0.343403	NaN	NaN	Low	2.888219	2.819711
53 AAAGTGCTTCCTT	0	0	0	12.97257	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.648628	-0.04806	0.401162	0.904648	NaN	Low	0.65943	0.637827
53 AAAGTGCTTCTCT	0	0	0	11.67531	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.583766	-0.04949	0.406722	0.903159	NaN	Low	0.593777	0.573755
53 AAAGTGTATCCTT	0	0	0	6.486284	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.324314	-0.21221	0.766097	0.781782	NaN	Low	0.348123	0.300505
53 AACTGGTTGAACA	0	0	1.485314	0	0	0	0	0	0	1.770725	1.082214	0.996036	8.979456	2.637191	2.463397	0.594486	2.382892	0	1.098841	0	1.174528	-0.91364	1.161885	0.431668	NaN	Low	1.534483	0.814572
53 AACTGGTTGAACA	0	0	0	0	0	0	0	0	0	0	0	0	4.988587	0	0	0	0	1.322851	0	0	0.315572	-0.35823	0.921351	0.697414	NaN	Low	0.354551	0.276592
53 AAGGCGCTTCCCT	0

53	TAGCATCATTTGA	17.60906	39.2455	10.3972	53.18753	10.43753	17.98883	66.54001	8.303235	10.57117	15.05116	15.151	20.91675	15.96348	7.15809	8.86823	4.1614	7.148676	0	2.197682	1.599811	16.62482	-2.698	0.867588	0.001872	0.012146	OK	28.80984	4.439799
53	TAGCATCATTTGA	1.035827	4.528326	0	15.56708	0	0	8.317501	1.186176	1.174575	1.770725	4.328857	8.964323	3.990869	1.883708	1.478038	0	1.191446	2.645701	1.098841	0	2.9581	-1.93932	1.067144	0.069171	NaN	Low	4.692646	1.223554
53	TAGTGTTTCCTAC	1.035827	0	1.485314	0	3.479177	0	0	0	5.872875	0	0	0	0	0	0	1.783457	0	0	0	0.799905	0.722828	-0.27035	1.179447	0.818697	NaN	Low	0.790357	0.655298
53	TATACGGCCTCCT	1.035827	3.018884	7.426569	1.297257	0	2.569832	1.039688	0	0	0	1.082214	0	1.33029	0.376742	1.478038	0	0	2.645701	0	0.799905	1.205047	-0.85258	1.109431	0.4422	NaN	Low	1.551103	0.858992
53	TCACAAGTCAGGC	1.035827	0	0	0	0	30.83799	0	0	34.06267	0	51.94628	11.95243	0.332572	0.753483	0.985359	0	1.191446	3.968552	1.098841	0.799905	6.948268	-1.25832	1.190195	0.290404	NaN	Low	9.79988	4.096656
53	TCAGTGCATGACA	0	0	1.485314	1.297257	0	5.139665	1.039688	1.186176	0	2.656087	0	0	0.997717	3.767416	4.434115	1.188971	0	1.322851	0	1.599811	1.305753	-0.43044	1.054666	0.683181	NaN	Low	1.499111	1.112396
53	TCAGTGCATGACA	4.143309	1.509442	0	1.297257	0	5.139665	5.198438	8.303235	3.523725	0.885362	1.082214	1.992072	0.997717	5.651124	3.941436	1.188971	7.148676	7.937103	1.098841	1.199858	3.111922	-1.26224	0.885002	0.153793	NaN	Low	4.392593	1.831251
53	TCAGTGCATGACA	15.53741	10.56609	10.3972	33.72868	17.39588	33.40782	17.67469	28.46823	15.26947	25.67551	10.82214	15.93657	10.64232	30.89281	35.9656	17.24009	30.9776	27.77986	13.18609	18.39783	20.99809	-0.41028	0.479297	0.391994	0.542016	OK	23.96391	18.03228
53	TCAGTGCATGACA	7.25079	1.509442	1.485314	3.891771	3.479177	17.98883	5.198438	8.303235	4.6983	5.312175	3.246643	2.988108	2.993152	10.92551	4.926795	4.1614	3.574338	6.614253	2.197682	3.199622	5.197248	-0.84629	0.672062	0.20794	NaN	Low	6.67936	3.715136
53	TCAGTGCATGACA	2.071654	0	1.485314	3.891771	0	5.139665	2.079375	3.558529	5.872875	0.885362	1.082214	0	0.665145	5.651124	0.985359	2.972429	0	6.614253	2.197682	0.399953	2.277635	-0.86684	0.959478	0.366289	NaN	Low	2.94202	1.61325
53	TCAGTGCATGACA	0	0	0	1.297257	0	2.569832	0	0	1.174575	0	0	1.992072	0	3.390674	1.970718	1.188971	0	0	0	0.399953	0.699203	-0.85368	1.187491	0.472208	NaN	Low	0.900238	0.498167
53	TCAGTGCATGACA	0	3.018884	0	0	0	0	1.039688	0	0	0	0	1.992072	0	1.883708	0.985359	0	0	1.322851	0	0.399953	0.532126	-0.60996	1.193188	0.609209	NaN	Low	0.642969	0.421282
53	TCATGTATGATAC	6.214963	1.509442	0	2.594514	0	2.569832	1.039688	4.744705	0	0	5.411071	0.996036	0.997717	0.753483	2.463397	0	0	1.322851	1.098841	0.399953	1.605825	-0.94258	1.057477	0.372741	NaN	Low	2.112509	1.09914
53	TGTGCAAATCCAT	27.96733	22.64163	14.85314	22.05337	10.43753	12.84916	7.277814	3.558529	4.6983	12.39507	15.151	11.95243	16.29605	50.10663	10.34627	10.70074	8.340122	14.55136	4.395363	11.19868	14.58853	-0.8662	0.655641	0.186453	0.321967	OK	18.84103	10.33602
53	TGTGCAAATCCAT	9.322444	10.56609	4.455941	6.486284	20.87506	0	2.079375	5.930882	7.04745	5.312175	1.082214	2.988108	4.323442	8.665056	5.419474	3.566914	5.95723	5.291402	5.494204	10.39877	6.263126	0.495113	0.580812	0.393965	NaN	Low	5.198843	7.327409
53	TGTGCAAATCCAT	560.3825	514.7198	95.06008	367.1237	487.0847	300.6704	181.9453	155.3891	118.6321	465.7007	334.4042	388.454	413.7201	1150.946	569.5375	365.6087	238.2892	470.9348	157.1342	369.5563	385.2646	-0.55805	0.590626	0.34474	0.49213	OK	458.8612	311.6681
53	TGTGCAAATCCAT	27.96733	40.75494	7.426569	18.1616	52.18765	33.40782	20.79375	14.23412	2.34915	30.10232	31.38421	82.67098	72.16822	159.3617	80.79943	27.94083	29.78615	42.33122	15.38377	22.79731	40.60045	-1.03549	0.758247	0.172053	0.305665	OK	54.576	26.6249
53	TGTGCAAATCCAT	24.85985	7.547211	1.485314	10.37806	17.39588	7.709497	3.119063	2.372353	3.523725	7.968262	6.493285	6.972252	7.981739	18.46034	3.941436	4.755886	3.574338	0	0	1.599811	7.006915	-2.38635	0.895559	0.007707	NaN	Low	11.76381	2.250017
53	TGTGCAAATCCAT	153.3024	140.3781	26.73565	83.02444	86.97942	53.96648	18.71438	27.28206	25.84065	25.67551	29.21978	39.84144	38.91098	91.17146	57.15082	47.55886	19.06314	15.87421	6.593045	15.99811	50.16405	-2.01618	0.691616	0.003555	0.019796	OK	80.4419	19.88619
53	TGTGCAAATCCAT	15.53741	1.509442	0	2.594514	24.35424	10.27933	8.317501	4.744705	1.174575	2.656087	4.328857	0.996036	5.321159	6.404607	7.390192	2.972429	4.765784	3.968552	2.197682	4.39948	5.695629	-0.60324	0.793226	0.446965	NaN	Low	6.869338	4.521919
53	TGTGTAAATCCAT	11.3941	1.509442	0	2.594514	10.43753	2.569832	4.158751	1.186176	2.34915	0.885362	1.082214	1.992072	2.993152	2.637191	3.941436	1.188971	0	1.322851	2.197682	1.199858	2.782014	-0.65594	0.87518	0.45356	NaN	Low	3.403781	2.160248
53	TTGCATAGTCACA	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0	0.594486	0	0	0	3.599575	0.22854	2.027751	1.721705	0.238893	NaN	Low	0.090017	0.367063
53	TTGCATAGTCACA	0	0	0	0	3.479177	0	0	3.558529	0	1.770725	0	0	0.332572	0.376742	0	0.594486	1.191446	1.322851	6.593045	19.59768	1.940863	3.646129	0.973453	0.00018	NaN	Low	0.287116	3.59461
53	TTGGTCCCCTTCA	0	1.509442	2.970628	1.297257	0	5.139665	2.079375	0	1.174575	0	0	0	1.33029	0.753483	3.941436	0	2.382892	2.645701	2.197682	1.599811	1.451112	0.370706	0.975657	0.703979	NaN	Low	1.265697	1.636527
54	AACTGGCCTACAA	0	0	1.485314	0	0	0	1.039688	1.186176	0	1.770725	1.082214	7.968287	0.997717	0.376742	0.492679	0	2.382892	2.645701	2.197682	0.399953	0.839975	-1.03955	1.173227	0.375584	NaN	Low	1.130154	0.549795
54	AACTGGCCTACAA	0	0	0	0	0	2.569832	0	2.372353	0	0	1.082214	6.972252	0.665145	0.376742	0.492679	0	0	0	0	0	0.726561	-1.40132	1.191351	0.239498	NaN	Low	1.054069	0.399053
54	AAGATGTGGAAAA	1.035827	0	0	0	6.958353	2.569832	2.079375	0	1.174575	0	2.164428	0	0.332572	0.753483	1.970718	0	2.382892	6.614253	1.098841	0.799905	1.496753	-0.3842	1.065715	0.718464	NaN	Low	1.694883	1.298623
54	ACAAAGTGCTTCC	0	0	0	19.45885	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.972943	-0.04338	0.382272	0.909643	NaN	Low	0.98757	0.958315
54	ACACTTGTTGGGA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.399716	0.119986	1.59701	1.478747	0.280153	NaN	Low	0.059618	0.180354
54	ACGGGTTAGGCTC	1.035827	0	0	0	0	0	1.039688	2.372353	0	1.770725	0	0	0.997717	0	0	0.594486	0	0	7.691886	0.399953	0.795132	2.101303	1.138298	0.064892	NaN	Low	0.300562	1.289701
54	ACGGGTTAGGCTC	1.035827	1.509442	0	0	0	2.569832	0	1.186176	0	0	0	0	0.665145	0	0	0	0	1.322851	8.790727	0.799905	0.893995	2.549857	1.119902	0.022795	NaN	Low	0.260801	1.527189
54	ACGGGTTAGGCTC	4.143309	3.018884	0	1.297257	0	0	0	3.558529	4.6983	0	0	0	0.665145	0.376742	1.478038	0.594486	0	1.322851	14.28493	1.199858	1.831916	2.086104	1.019321	0.040701	NaN	Low	0.698405	2.965428
54	ACTAGATTGTGAG	10.35827	45.28326	20.79439	3.891771	20.87506	12.84916	25.99219	17.79265	17.61862	23.01942	25.97314	11.95243	8.646884	12.80921	22.66326	9.511772	104.8473	27.77986	9.889567	9.598866	22.10735	-1.13501	0.711755	0.110787	0.228049	OK	30.38121	13.8335
54	ACTAGATTGTGAG	4.143309	18.11331	20.79439	10.37806	13.91671	7.709497	6.238126	1.186176	14.0949	11.50971	9.739928	6.972252	5.321159	9.418539	19.2145	13.07869	46.4664	22.48846	2.197682	3.999527	12.34907	-1.8046	0.741475	0.014942	0.05564	OK	19.20149	5.496643
54	ACTAGATTGTGAG	4.143309	21.13219	11.88251	10.37806	13.91671	10.27933	9.357189	10.67559	7.04745	17.70725	21.64428	11.95243	6.984021	10.17202	19.2145	10.70074	33.36049	21.16561	7.691886	2.399716	13.09026	-1.49222	0.606373	0.013859	0.052526	OK	19.31478	6.865745
54	AGTGTTTCCTACT	14.50158	9.056653	10.3972	9.080798	20.87506	17.98883	14.55563	5.930882	16.44405	12.39507	9.739928	7.968287	4.656014	4.144157	3.941436	96.90117	5.95723	1.322851	2.197682	7.599102	13.78268	-1.28926	0.868752	0.137799	0.261682	OK	19.56155	8.003812
54	AGTGTTTCCTACT	1.035827	0	2.970628	0	0	0	4.158751	0	1.174575	0	0	0	0	0	0	10.70074	0	0	0	0	1.002026	-0.95769	1.155299	0.40713	NaN	Low	1.322911	0.681141
54	ATATAGGGATTGC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.199622	0.159981	1.915538	1.561214	0.21984	NaN	Low	0.067042	0.25292
54	ATATAGGGATTGC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10.79872	0.539936	3.490446	1.720803	0.042521	NaN	Low	0.088232	0.991641
54	ATCGGGAATGTCC	0	0	0	2.594514	0	0	0	2.372353	0	0	0	0.996036	0.665145	0.376742	0.492679	0.594486	1.191446	1.322851	6.593045	1.199858	0.919958	2.079911	0.980665	0.033929	NaN	Low	0.351948	1.487968
54	ATCGGGAATGTCC	3.107481	0	1.485314	1.297257	0	0	0	1.186176	7.04745	0.885362	2.164428	0	0.997717	2.260449	1.478038	2.972429	1.191446	3.968552	13.18609	11.59863	2.741341	2.531515	0.730975	0.000534	NaN	Low	0.808443	4.674239
54	ATCGGGAATGTCC	0	1.509442	1.485314	0	3.479177	0	0	0	0	0.885362	0	0	0	0.376742	0	2.377943	1.191446	1.322851	5.494204	0.799905	0.946119	1.66802	1.091639	0.126513	NaN	Low	0.452929	1.43931
54	CAGTGCAATGTTA	42.46891	18.11331	56.44192	57.0793	27.83341	59.10615	20.79375	34.39911	73.99822	41.61204	21.64428	47.80972	39.90869	55.38101	22.17058	9.511772	38.12627	29.10271	125.2679	107.5873	46.41782	1.525432	0.488486	0.001792	0.011855	OK	23.93455	68.90108
54	CAGTGCAATGTTA	22.7882	7.547211	19.30908	31.13417	24.35424	48.82682	20.79375	26.09588	52.85587	37.18522	12.98657	36.85333	30.26409	44.83225	32.51684	11.29523	28.59471	37.03982	76.91886	55.59343	32.88928	1.1297	0.469132	0.016037	0.058566	OK	20.63232	45.14623
54	CAGTGCAATGTTA	0	1.509442	1.485314	1.297257	0	2.569832	1.039688	1.186176	0	7.0829	2.164428	0.996036	0.665145	0	3.448756	0	0	0	2.197682	1.999764	1.382121	0.49479	1.045459	0.636017	NaN	Low	1.147409	1.616833
54	CAGTGCAATGTTA	0	0	1.485314	1.297257	0	2.569832	1.039688	2.372353	8.222024	4.426812	0	4.98018	2.328007	4.144157	3.448756	1.783457	3.574338	1.322851	8.790727	3.199622	2.749269	1.035241	0.778734	0.183719	NaN	Low	1.80312	3.695417
54_	CAGTGCAATGTTA	4.143309	3.018884	5.941255	1.297257	0	7.709497	7.277814	3.558529	15.26947	12.39507	5.411071	2.988108	8.646884	10.17202	29.06809	2.972429	9.531568	7.937103	9.889567	10.79872	7.901333	0.340084	0.71714	0.635341	NaN	Low	6.974337	8.828329
54	CAGTGCAATGTTA	16.57323	13.58498	14.85314	23.35062	20.87506	15.41899	14.55563	13.04794	43.45927	20.36334	12.98657	16.93261	33.92239	29.76258	88.6823	11.88971	10.72301	50.26832	71.42465	33.19608	27.79352	0.956875	0.624732	0.125607	0.24671	OK	18.90008	36.68697
54	CATCGGATCCGTC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15.38377	0	0.769189	3.813036	1.721438	0.026758	NaN	Low	0.102182	1.436195
54_	CATGTATGATACT	3.107481	0	0	6.486284	0	7.709497	0	4.744705	1.174575	4.426812	5.411071	2.988108	0.997717	1.130225	6.404833	1.783457	2.382892	1.322851	0	0.799905	2.543521	-1.80106	0.998883	0.071377	NaN	Low	3.952746	1.134295
54	GTAATTTTATGTA	1.035827	1.509442	1.485314	0	0	0	1.039688	0	0	0	0	0.996036	0	2.260449	0.492679	1.188971	3.574338	1.322851	2.197682	0	0.855164	0.050549	1.106276	0.963555	NaN	Low	0.840184	0.870144
55	ACAAGTCAGGCTC	3.107481	1.509442	4.455941	1.297257	0	174.7486	3.119063	2.372353	75.17279	0.885362	83.33049	60.75819	3.658297	6.027865	4.926795	0	2.382892	7.937103	12.08725	8.399007	22.80881	-0.78785	1.124655	0.483598	0.621745	OK	28.88643	16.73119
55	ACAAGTCAGGCTC	3.107481	0	0	1.297257	3.479177	100.2235	1.039688	1.186176	65.7762	2.656087	79.00164	37.84937	5.653732	7.534831	6.404833	0	2.382892	2.645701	8.790727	10.39877	16.9714	-0.56583	1.12785	0.615884	0.732373	OK	20.25752	13.68528
55	ACAAGTCAGGCTC	4.143309	1.509442	1.485314	2.594514	6.958353	118.2123	4.158751	4.744705	224.3438	9.738987	182.8942	71.71459	6.651449	19.9673	17.24378	4.755886	2.382892	9.259954	17.58145	13.99835	36.21697	-0.89658	1.071465	0.402716	0.549209	OK	47.12197	25.31196
55	ACAAGTCAGGCTC	0	0	0	0	0	5.139665	0	1.186176	16.44405	0	4.328857	4.98018	0.332572	0	2.463397	0	1.191446	0	0	1.199858	1.86331	-0.76481	1.1913	0.520877	NaN	Low	2.345952	1.380668
55	ACAAGTCAGGCTC	0	0	0	0	0	0	0	0	5.872875	0	3.246643	0.996036	0	0	0.985359	0	0	0	0	0	0.555046	-0.78628	1.12182	0.483366	NaN	Low	0.702662	0.407429
55	ACAAGTCAGGCTC	1.035827	0	1.485314	2.594514	3.479177	82.23464	3.119063	2.372353	61.0779	6.197537	64.93285	27.88901	3.325724	6.404607	5.419474	2.377943	0	3.968552	3.296522	3.999527	14.26053	-1.37774	1.084396	0.203902	0.3425	OK	20.59548	7.925577
55	ACAAGTCAGGCTC	1.035827	1.509442	0	0	0	38.54749	0	0	24.66607	2.656087	41.12414	28.88504	1.995435	2.637191	1.970718	0.594486	0	0	3.296522	2.399716	7.565908	-0.82949	1.170025	0.478354	NaN	Low	9.682955	5.448862
55_	ACAAGTCAGGCTC	2.071654	0	0	0	3.479177	125.9218	0	1.186176	98.66429	6.197537	111.4681	83.66702	7.981739	3.767416	11.82431	1.188971	0	5.291402	6.593045	2.799669	23.60511	-1.27538	1.169642	0.275535	0.423834	OK	33.40861	13.80162
55	ATGTATGATACTG	12.42993	6.037769	1.485314	11.67531	0	7.709497	17.67469	1.186176	8.222024	8.853625	3.246643	2.988108	0.332572	2.260449	5.912153	3.566914	4.765784	3.968552	1.098841	0	5.170718	-2.75896	0.990127	0.005328	NaN	Low	9.010337	1.331098
55	ATTCCTGGAAATA	1.035827	0	11.88251	2.594514	3.479177	2.569832	3.119063	0	3.523725	1.770725	0	0.996036	1.33029	0	0.492679	1.188971	0	1.322851	0	0.799905	1.805305	-1.24949	1.093993	0.253396	NaN	Low	2.541617	1.068994
55_	ATTCCTGGAAATA	7.25079	3.018884	13.36782	9.080798	0	0	4.158751	3.558529	2.34915	3.54145	1.082214	2.988108	1.995435	1.883708	1.478038	1.188971	3.574338	1.322851	1.098841	1.999764	3.246922	-0.88644	0.839851	0.29121	NaN	Low	4.214188	2.279657
55	ATTCCTGGAAATA	12.42993	12.07554	32.6769	20.75611	6.958353	25.69832	16.635	2.372353	12.92032	9.738987	11.90436	6.972252	11.64004	11.67899	9.36091	4.1614	9.531568	0	6.593045	9.998818	11.70516	-0.44954	0.664633	0.498805	0.633791	OK	13.51419	9.896133
55	CAAAGTGCTTCCC	0	0	0	19.45885	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.972943	-0.04338	0.382272	0.909643	NaN	Low	0.98757	0.958315
55_	CAAAGTGCTTCCC	0	0	0	31.13417	0	0	0	0	0	0	1.082214	0	0	0	0	0	0	0	0	0.399953	1.630817	-0.17931	0.761474	NaN	NaN	Low	1.732033	1.5296
55	CAAAGTGCTTCTC	0	0	0	6.486284	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.324314	-0.21221	0.766097	0.781782	NaN	Low	0.348123	0.300505
55	CTAGATTGTGAGC	11.3941	21.13219	16.33845	9.080798	0	5.139665	3.119063	4.744705	3.523725	3.54145	5.411071	4.98018	2.66058	2.260449	1.478038	3.566914	16.68024	1.322851	0	0.799905	5.858719	-2.73268	0.960665	0.004447	NaN	Low	10.18513	1.532313
55	CTAGATTGTGAGC	2.071654	9.056653	5.941255	2.594514	6.958353	2.569832	1.039688	1.186176	10.57117	6.197537	5.411071	0.996036	1.995435	2.637191	9.853589	3.566914	26.21181	5.291402	0	0.799905	5.24751	-2.59846	0.972713	0.007555	NaN	Low	9.007714	1.487306
55	CTAGATTGTGAGC	4.143309	0	0	0	0	2.569832	2.079375	0	0	0.885362	1.082214	0	1.662862	1.130225	1.478038	0.594486	9.531568	0	1.098841	1.599811	1.392796	-0.02832	1.063596	0.978759	NaN	Low	1.406465	1.379127
55	CTAGATTGTGAGC	4.143309	16.60386	13.36782	7.783541	17.39588	12.84916	8.317501	2.372353	4.6983	13.28044	10.82214	4.98018	6.984021	10.17202	12.80967	4.755886	38.12627	11.90566	6.593045	1.599811	10.47804	-1.40167	0.706319	0.047204	0.127515	OK	15.20219	5.753899
55_	CTGGGAGAGGGT	0	0	1.485314	0	0	0	3.119063	0	0	0	0	0	0.997717	1.883708	1.478038	0.594486	0	0	0	0.399953	0.497914	-0.65556	1.190727	0.581937	NaN	Low	0.609133	0.386694
55	GCACCATTTGAAA	0	0	0	0	3.479177	0	1.039688	1.186176	0	4.426812	2.164428	0.996036	0.332572	0.376742	0.492679	0.594486	1.191446	0	0	0	0.814012	-1.92023	1.186093	0.105457	NaN	Low	1.287778	0.340247
55	GCACCATTTGAAA	2.071654	0	1.485314	1.297257	0	0	5.198438	1.186176	1.174575	2.656087	1.082214	0	0	0.376742	0.985359	2.377943	1.191446	0	0	0.399953	1.074158	-1.38678	1.116433	0.214181	NaN	Low	1.554028	0.594288
55_	TAAAGCTAGATAA	0	0	0	0	0	0	0	0	0	0	0	0	3.658297	0	0	0	0	0	0	0.399953	0.202912	-0.01564	0.810556	0.98461	NaN	Low	0.204012	0.201813
55	TAAAGCTAGATAA	0	0	0	0	0	0	0	0	0	0	0	0	4.323442	0	0	0	0	0	0	0.799905	0.256167	0.103263	0.830553	0.901053	NaN	Low	0.247003	0.265331
55	TAAAGCTAGATAA	0	0	0	0	0	0	0	0	0	0	0	0	5.321159	0	0	0	0	0	0	0.399953	0.286056	-0.07937	0.832885	0.924084	NaN	Low	0.293922	0.278189
55_	TAAAGCTAGATAA	0	0	0	0	0	0	0	0	0	0	0	0	4.988587	0	0	0	0	0	0	1.199858	0.309422	0.18342	0.84482	0.828122	NaN	Low	0.289779	0.329065
55	TAAAGCTAGATAA	0	0	0	0	0	0	0	0	0	0	0	0	1.662862	0	0	0	0	0	0	0	0.083143	-0.12312	0.612755	0.840749	NaN	Low	0.086689	0.079597
55	TAAAGCTAGATAA	0	0	0	0	0	0	0	0	0	0	0	0	3.325724	0	0	0	0	0	0	0	0.166286	-0.17228	0.705388	0.807047	NaN	Low	0.176203	0.156369
55	TAAAGCTAGATAA	0	0	0	0	0	0	0	0	0	0	0	0	1.662862	0	0	0	0	0	0	0	0.083143	-0.12312	0.612755	0.840749	NaN	Low	0.086689	0.079597
55	TAAAGCTAGATAA	0	0	0	0	0	0	0	0	0	0	0	0	1.995435	0	0	0	0	0	0	0	0.099772	-0.1363	0.639972	0.83135	NaN	Low	0.104481	0.095062
55	TAAAGCTAGATAA	0	0	0	0	0	0	0	0	0	0	0	0	1.662862	0	0	0	0	0	0	0	0.083143	-0.12312	0.612755	0.840749	NaN	Low	0.086689	0.079597
55_	TAATGCCCCTAAA	0	0	0	1.297257	3.479177	0	0	0	1.174575	0.885362	0	5.976216	0.665145	1.883708	0.492679	7.133829	2.382892	1.322851	0	1.199858	1.394677	-0.73916	1.109426	0.505247	NaN	Low	1.744342	1.045013
55_	TAATGCCCCTAAA	0	1.509442	1.485314	3.891771	3.479177	10.27933	0	0	0	1.770725	6.493285	16.93261	5.653732	2.260449	0.492679	2.972429	0	6.614253	0	0	3.19176	-2.76627	1.144498	0.015648	NaN	Low	5.565485	0.818034
55	TAATTTTATGTAT	2.071654	1.509442	1.485314	1.297257	3.479177	0	0	0	2.34915	1.770725	2.164428	5.976216	3.658297	1.883708	2.956077	4.755886	4.765784	1.322851	1.098841	2.799669	2.267224	-0.16566	0.788103	0.833514	NaN	Low	2.397247	2.1372
55_	TCACCATTTGAAA	1.035827	1.509442	0	3.891771	0	0	6.238126	0	1.174575	0.885362	0	0.996036	1.662862	0.376742	0	0.594486	0	0	0	0	0.918261	-1.93222	1.186113	0.103305	NaN	Low	1.455219	0.381304
55_	TGAGTATTACATG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.492679	0	0	0	5.494204	0	0.299344	2.254511	1.698375	0.184359	NaN	Low	0.103728	0.494961
55	TGCAAATCCATGC	3.107481	9.056653	2.970628	3.891771	0	0	0	3.558529	1.174575	0.885362	2.164428	2.988108	2.66058	4.520899	0.492679	2.377943	1.191446	2.645701	3.296522	1.599811	2.429156	-0.11254	0.806445	0.889011	NaN	Low	2.523857	2.334455
56_	AAGTGCTGTCATA	0	0	0	7.783541	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.389177	-0.05589	0.430495	0.896708	NaN	Low	0.396714	0.38164
56_	AAGTGCTGTCATA	0	0	0	24.64788	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.232394	-0.04095	0.371942	NaN	NaN	Low	1.249882	1.214906
56	AAGTGCTGTCATA	0	0	0	591.5491	0	0	0	0	2.34915	0	10.82214	0	0	0.376742	0	0	1.191446	0	0	0.799905	30.35443	-0.3469	0.91776	NaN	NaN	Outlier	33.9863	26.72255
56	ATCGTGCATCCTT	0	0	0	28.53965	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.426983	-0.03963	0.366223	NaN	NaN	Low	1.446582	1.407383
56_	CAACTAGACTGTG	1.035827	0	0	0	0	5.139665	0	0	0	0	1.082214	0	2.993152	0	0	0	13.10591	0	2.197682	0	1.277722	-0.10467	1.164738	0.928394	NaN	Low	1.324052	1.231392
56	CAACTAGACTGTG	0	1.509442	0	0	0	0	0	0	0	0.885362	0	0	1.33029	0	0	0	14.29735	0	0	0	0.901122	-0.74224	1.110226	0.503783	NaN	Low	1.127947	0.674298
56	CAACTAGACTGTG	2.071654	7.547211	0	1.297257	3.479177	2.569832	0	1.186176	0	0.885362	0	0.996036	9.644601	0.376742	0	1.188971	106.0387	1.322851	7.691886	1.599811	7.394813	-0.42081	1.175471	NaN	NaN	Low	8.465691	6.323935
56_	CAACTAGACTGTG	0	6.037769	0	0	0	0	0	0	0	0	0	0	4.323442	0.753483	0	0	42.89206	1.322851	4.395363	1.199858	3.046241	-0.06036	1.169924	NaN	NaN	Low	3.109955	2.982527
56	CCTCCCACACCCA	7.25079	0	1.485314	1.297257	0	0	0	1.186176	3.523725	1.770725	0	0.996036	0.997717	0.753483	0	0	1.191446	0	0	3.199622	1.182615	0.42334	1.10176	0.700801	NaN	Low	1.010338	1.354892
56	CCTCCCACACCCA	12.42993	1.509442	4.455941	1.297257	6.958353	5.139665	15.59531	3.558529	4.6983	6.197537	6.493285	6.972252	2.328007	3.767416	0.492679	2.972429	2.382892	11.90566	4.395363	10.39877	5.697451	0.452491	0.735602	0.538469	NaN	Low	4.811222	6.58368
56_	CCTCCCACACCCA	0	0	1.485314	0	0	0	3.119063	4.744705	1.174575	0	3.246643	4.98018	1.33029	1.883708	0	0.594486	0	0	1.098841	4.39948	1.402864	0.846235	1.061033	0.425127	NaN	Low	1.002833	1.802896
56	CTATACAATCTAC	1.035827	3.018884	8.911883	5.189028	0	2.569832	0	0	5.872875	3.54145	1.082214	0.996036	1.995435	5.651124	10.34627	1.188971	11.91446	1.322851	4.395363	6.399244	3.771587	0.47723	0.876628	0.586171	NaN	Low	3.153411	4.389764
56	CTATACAATCTAC	0	3.018884	1.485314	1.297257	0	0	2.079375	0	2.34915	2.656087	0	0.996036	1.33029	1.506966	3.448756	0	3.574338	1.322851	0	0.799905	1.29326	-1.10495	1.030382	0.283554	NaN	Low	1.765642	0.820879
56_	CTATACAATCTAC	8.286617	13.58498	10.3972	10.37806	10.43753	2.569832	13.51594	2.372353	8.222024	10.62435	10.82214	6.972252	10.30975	18.83708	12.80967	7.728315	10.72301	2.645701	10.98841	11.59863	9.691191	0.19092	0.48744	0.695295	NaN	Low	9.05088	10.3315
56	TAATACTGCCTGG	15.53741	13.58498	11.88251	7.783541	3.479177	2.569832	12.47625	0	5.872875	8.853625	0	12.94847	8.314311	0	0	4.1614	10.72301	0	6.593045	4.799433	6.478993	-0.16398	1.010487	0.871088	NaN	Low	6.846803	6.111184
56	TAATACTGCCTGG	3.107481	15.09442	0	2.594514	3.479177	0	10.39688	0	2.34915	7.968262	2.164428	9.960359	9.977173	0	0	9.511772	15.4888	6.614253	12.08725	14.3983	6.259611	0.997108	0.990697	0.314189	NaN	Low	4.178652	8.34057
56_	TAATACTGCCTGG	0	0	0	1.297257	0	0	1.039688	0	0	0.885362	0	0.996036	0.665145	0	0	4.1614	2.382892	0	1.098841	4.39948	0.846305	1.415589	1.130667	0.210572	NaN	Low	0.461493	1.231118
56	TAATACTGCCTGG	8.286617	6.037769	17.82377	7.783541	3.479177	0	0	0	5.872875	0.885362	0	2.988108	1.662862	0	0	2.377943	4.765784	3.968552	2.197682	12.79849	4.046426	0.819974	1.055835	0.437388	NaN	Low	2.926494	5.166358
56	TAATACTGCCTGG	5.179136	7.547211	0	2.594514	3.479177	0	3.119063	0	3.523725	9.738987	0	7.968287	4.988587	0	0	4.1614	4.765784	1.322851	7.691886	11.19868	3.863964	1.23346	0.974244	0.205489	NaN	Low	2.305948	5.42198
56_	TAATACTGCCTGG	33.14647	43.77382	16.33845	18.1616	20.87506	20.55866	13.51594	0	21.14235	32.75841	0	43.82558	31.59438	0.376742	0.985359	30.31877	36.93483	23.81131	38.45943	66.79211	24.66846	1.067579	0.922645	0.247237	0.39574	OK	15.93615	33.40078
56	TAATACTGCCTGG	711.6133	1568.31	1121.412	735.5447	1409.067	521.676	676.8367	4.744705	2472.48	615.3269	111.4681	769.9358	1242.823	5.651124	22.17058	1212.156	2378.126	1273.905	1843.855	4281.494	1148.93	1.385855	0.961266	0.149388	0.27532	OK	635.9507	1661.909
56	TAATACTGCCTGG	42.46891	78.49099	54.95661	63.56559	114.8128	33.40782	37.42876	0	153.8693	30.98769	9.739928	52.7899	102.4323	0.376742	3.941436	115.9247	187.057	95.24524	257.1288	387.1542	91.08894	1.896141	0.942422	0.044221	0.121455	OK	38.57934	143.5985
56_	TAATACTGCCTGG	371.8619	1488.31	472.3298	559.1177	932.4194	701.5643	671.6382	0	1239.177	465.7007	124.4546	1795.853	1722.393	3.767416	21.18522	705.0601	1498.839	604.5427	832.9213	1306.246	775.869	0.410702	0.99458	0.679651	0.782869	OK	666.1729	885.5651
56	TCGGATCCGTCTG	1.035827	0	0	0	0	0	0	0	0	0	0	0	0	0.753483	0	0	0	0	13.18609	0	0.74877	2.927228	1.706837	0.086345	NaN	Low	0.174002	1.323538
56	TCGGATCCGTCTG	0	0	0	0	0	0	0	1.186176	0	0	0	0.996036	0	0	0	0	0	0	36.26175	0	1.922198	4.096768	1.66309	0.013765	NaN	Low	0.21228	3.632116
56_	TCGGATCCGTCTG	0	0	0	1.297257	0	0	0	0	0	0	0	0	0.332572	0.753483	0	0	0	0	42.85479	0	2.261905	4.475471	1.575485	0.004502	NaN	Low	0.194606	4.329204
56	TCGGATCCGTCTG	9.322444	1.509442	8.911883	20.75611	6.958353	12.84916	4.158751	9.489411	7.04745	2.656087	14.06878	9.960359	10.64232	36.54393	12.80967	11.88971	4.765784	30.42556	1653.755	2.799669	93.56602	5.302681	0.869118	NaN	NaN	Outlier	4.623981	182.5081
56	TCGGATCCGTCTG	46.61222	4.528326	11.88251	25.94514	0	7.709497	6.238126	8.303235	12.92032	6.197537	12.98657	14.94054	12.63775	22.60449	20.69254	19.02354	4.765784	34.39411	3243.778	5.599338	176.088	5.841614	0.878367	NaN	NaN	Outlier	6.036021	346.1399
56_	TGAAGGTCTACTG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.985359	0	0	0	6.593045	0	0.37892	2.025071	1.685899	0.229681	NaN	Low	0.149472	0.608368
56_	TGAAGGTCTACTG	0	0	0	0	0	0	0	0	0	0.885362	0	0	0	0	0	0	0	0	24.1745	0	1.252993	3.883898	1.704594	0.022697	NaN	Low	0.158981	2.347005
56	TGAAGGTCTACTG	3.107481	0	0	0	0	5.139665	0	0	1.174575	0	0	0	1.662862	0.753483	0	1.783457	0	0	36.26175	0	2.494164	3.039867	1.18104	0.010056	NaN	Low	0.54079	4.447537
56_	TGTATGATACTGC	6.214963	1.509442	7.426569	11.67531	6.958353	2.569832	2.079375	0	3.523725	0.885362	0	1.992072	0.665145	0.376742	0.492679	0	0	5.291402	1.098841	0	2.637991	-1.62116	1.102817	0.141557	NaN	Low	3.98165	1.294332
57	AACTAGACTGTGA	1.035827	0	1.485314	0	0	0	0	1.186176	0	0.885362	0	0	4.323442	0.376742	0	0	45.27495	0	4.395363	1.999764	3.048147	0.027918	1.191287	NaN	NaN	Low	3.018656	3.077639
57	AACTAGACTGTGA	0	6.037769	0	0	0	2.569832	4.158751	0	0	0.885362	3.246643	0	5.321159	0	0	0	48.84929	1.322851	6.593045	1.199858	4.009228	-0.03358	1.19311	NaN	NaN	Low	4.055889	3.962566
57_	AACTAGACTGTGA	0	0	0	0	0	0	0	0	0	0	0	0	0.665145	0	0	0	5.95723	0	1.098841	0.799905	0.426056	0.484229	1.104954	0.661216	NaN	Low	0.355219	0.496893
57	AATACTGCCTGGT	69.40042	336.6056	95.06008	84.3217	118.292	51.39665	131.0006	0	226.693	124.8361	31.38421	346.6205	312.9507	0.753483	6.897512	189.6409	294.2872	71.43393	114.2794	176.7791	139.1317	0.057503	0.966988	0.952581	0.96999	OK	136.3593	141.904
57	AATACTGCTTGGT	10.35827	13.58498	4.455941	2.594514	3.479177	2.569832	1.039688	0	3.523725	0.885362	0	0.996036	3.658297	0	0	1.783457	3.574338	2.645701	1.098841	0.399953	2.832406	-1.43838	1.065608	0.177074	NaN	Low	4.137974	1.526837
57_	AGTATTACATGGC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.593045	0	0.329652	2.692449	1.680537	0.109125	NaN	Low	0.08833	0.570974
57	ATCACATTGCCAG	7.25079	1.509442	10.3972	1.297257	0	0	1.039688	0	2.34915	1.770725	0	0.996036	0.997717	0.753483	0.985359	0.594486	0	0	2.197682	1.199858	1.666943	-0.00957	1.025281	0.992552	NaN	Low	1.672473	1.661414
57	ATCACATTGCCAG	1.035827	1.509442	8.911883	3.891771	0	2.569832	0	3.558529	2.34915	3.54145	1.082214	2.988108	3.325724	0.753483	0.985359	1.188971	1.191446	3.968552	7.691886	2.399716	2.647167	0.905671	0.766302	0.237257	NaN	Low	1.842523	3.451811
57_	ATCACATTGCCAG	3.107481	0	1.485314	2.594514	0	0	1.039688	0	0	0.885362	1.082214	0.996036	1.33029	1.883708	0.492679	2.972429	0	1.322851	1.098841	1.199858	1.074563	-0.0336	0.93803	0.971424	NaN	Low	1.087077	1.06205
57	ATCACATTGCCAG	5.179136	7.547211	10.3972	6.486284	6.958353	15.41899	5.198438	5.930882	3.523725	5.312175	15.151	10.9564	3.990869	6.781348	4.926795	19.02354	4.765784	9.259954	10.98841	14.3983	8.60974	0.645965	0.540044	0.231644	NaN	Low	6.713807	10.50567
57	ATCACATTGCCAG	10.35827	22.64163	10.3972	5.189028	24.35424	46.25698	33.27001	37.95764	22.31692	50.46566	67.09728	65.73837	41.90413	73.08787	51.23866	80.85006	79.82689	115.088	117.576	140.7834	54.81991	1.34554	0.662812	0.042352	0.117631	OK	30.96074	78.67908
57_	ATCACATTGCCAG	5.179136	12.07554	7.426569	12.97257	13.91671	35.97765	31.19063	14.23412	19.96777	13.28044	42.20635	25.89693	13.63547	29.38584	23.15593	34.48017	26.21181	58.20542	53.8432	86.78974	28.0016	1.502911	0.566117	0.007936	0.036062	OK	14.60646	41.39674
57	ATCACATTGCCAG	22.7882	43.77382	19.30908	36.32319	76.54189	161.8994	131.0006	62.86735	34.06267	64.63146	119.0436	142.4331	55.87217	101.7202	99.02857	70.7438	126.2933	232.8217	237.3496	152.382	99.54429	1.050655	0.621048	0.090694	0.201407	OK	64.81866	134.2699
57	ATCACATTGCCAG	2.071654	1.509442	1.485314	1.297257	0	12.84916	2.079375	2.372353	2.34915	5.312175	3.246643	2.988108	0.997717	3.767416	5.912153	2.972429	2.382892	13.22851	15.38377	14.3983	4.830191	1.876233	0.669324	0.00506	NaN	Low	2.068094	7.592287
57	ATCACATTGCCAG	1.035827	12.07554	0	0	0	5.139665	2.079375	1.186176	2.34915	2.656087	5.411071	2.988108	3.990869	1.883708	1.970718	2.377943	1.191446	1.322851	2.197682	5.199386	2.75278	0.500348	0.779446	0.52092	NaN	Low	2.280156	3.225404
57	ATCACATTGCCAG	0	4.528326	1.485314	1.297257	3.479177	2.569832	2.079375	3.558529	0	1.770725	9.739928	3.984144	1.995435	1.506966	0.492679	2.377943	0	1.322851	0	1.999764	2.209412	-0.72066	0.943974	0.445206	NaN	Low	2.750044	1.668781
57	ATCACATTGCTAG	0	7.547211	7.426569	5.189028	3.479177	12.84916	3.119063	3.558529	5.872875	0.885362	1.082214	1.992072	1.995435	1.130225	0	2.972429	3.574338	0	0	0.399953	3.153682	-2.36523	1.058576	0.02546	NaN	Low	5.282167	1.025197
57	ATCACATTGTCAG	34.1823	101.1326	71.29506	51.89028	41.75012	71.95531	29.11125	26.09588	36.41182	9.738987	36.79528	22.90883	11.64004	12.05573	6.404833	24.37392	4.765784	2.645701	10.98841	9.198913	30.76705	-1.47661	0.785595	0.060162	0.152079	OK	45.26786	16.26624
57	ATCACATTGTCAG	5.179136	10.56609	4.455941	2.594514	6.958353	5.139665	3.119063	1.186176	1.174575	2.656087	0	0.996036	0.665145	1.130225	0.492679	1.783457	1.191446	0	0	0.799905	2.504425	-1.63751	1.015436	0.106828	NaN	Low	3.79053	1.21832
57	ATCACATTGTCAG	0	3.018884	7.426569	0	0	0	0	1.186176	1.174575	0	0	0	0.332572	0	0	0	0	0	0	0	0.656939	-0.95986	1.15589	0.40631	NaN	Low	0.867757	0.446121
57	ATCACATTGTCAG	2.071654	12.07554	1.485314	6.486284	13.91671	12.84916	7.277814	3.558529	7.04745	1.770725	6.493285	3.984144	2.66058	2.260449	0.985359	4.755886	0	1.322851	3.296522	1.199858	4.774905	-0.98506	0.825085	0.232523	NaN	Low	6.344522	3.205289
57	ATCATATTGTCAG	5.179136	3.018884	1.485314	0	0	0	0	0	1.174575	0	0	0	0	0	0	0	0	0	0	0	0.542895	-0.75895	1.114842	0.49602	NaN	Low	0.682489	0.403302
57	ATTACATTGCCAG	4.143309	6.037769	7.426569	3.891771	0	12.84916	2.079375	1.186176	2.34915	1.770725	1.082214	0	0.997717	2.260449	0.985359	0.594486	0	0	1.098841	0.399953	2.457651	-1.35788	1.014987	0.180953	NaN	Low	3.535793	1.379509
57	CAAAGCACACGGC	0	0	0	0	0	0	0	0	0	0.885362	0	0.996036	0	0	0.492679	1.188971	0	0	1.098841	2.799669	0.373078	1.958182	1.18029	0.097102	NaN	Low	0.152722	0.593434
57	CAAAGCACACGGC	0	0	0	0	0	0	0	1.186176	1.174575	0	1.082214	0	0	0	0	0	0	0	0	2.799669	0.312132	1.362579	1.148946	0.235647	NaN	Low	0.174793	0.44947
57	CAAAGCACACGGC	0	0	1.485314	0	0	0	0	0	0	0	0	0	0.332572	0	0.985359	0	0	2.645701	1.098841	2.799669	0.467373	1.685699	1.185884	0.15518	NaN	Low	0.221663	0.713082
57	CAAAGCACACGGC	2.071654	0	2.970628	0	6.958353	0	1.039688	7.117058	0	0	0	0	0.665145	1.130225	1.478038	1.188971	0	3.968552	3.296522	5.199386	1.854211	1.263615	0.990696	0.202139	NaN	Low	1.090403	2.61802
57	CGAATCATTATTT	4.143309	0	7.426569	3.891771	0	0	6.238126	4.744705	3.523725	8.853625	5.411071	1.992072	9.977173	2.637191	1.970718	4.1614	8.340122	14.55136	26.37218	23.19726	6.871619	2.107953	0.642822	0.001041	NaN	Low	2.587795	11.15544
57	CGAATCATTATTT	0	0	1.485314	0	0	0	1.039688	0	0	0	1.082214	0	0.665145	0.376742	0.985359	0	0	0	1.098841	2.799669	0.476649	1.832101	1.097914	0.095175	NaN	Low	0.209031	0.744266

57 CGAATCATTATTT	0	0	2.970628	0	0	0	0	0	0	0.885362	0	0	0.996036	1.662862	2.260449	2.463397	1.188971	2.382892	0	2.197682	3.599575	1.030393	1.28313	0.994144	0.196812	NaN	Low	0.600171	1.460614
57_CTATACAGTCTAC	22.7882	13.58498	71.29506	59.67382	6.958353	12.84916	22.87313	4.744705	7.04745	26.56087	9.739928	9.960359	21.28464	18.0836	7.390192	8.917286	34.55194	5.291402	15.38377	15.59816	19.72885	-0.34212	0.734156	0.641212	0.752665	OK	22.0572	17.4005
57 GACGGCTCGTTGC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.883708	0	0	0	0	0	0.094185	-0.13214	0.631591	0.834279	NaN	Low	0.098496	0.089875
57 TATACAATCTACT	2.071654	7.547211	14.85314	9.080798	3.479177	7.709497	3.119063	0	4.6983	3.54145	3.246643	0.996036	1.662862	3.390674	4.434115	1.783457	7.148676	0	4.395363	1.999764	4.257894	-0.39988	0.803497	0.618711	NaN	Low	4.844241	3.671547
57 TCCGTCTCAGTTA	3.107481	6.037769	20.79439	7.783541	3.479177	0	3.119063	2.372353	10.57117	2.656087	4.328857	1.992072	6.651449	4.144157	4.434115	4.1614	8.340122	3.968552	10.98841	21.59745	6.526381	1.501393	0.618879	0.015267	NaN	Low	3.407001	9.645761
57_TCGTGCATCCTTT	0	0	0	7.783541	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.389177	-0.05589	0.430495	0.896708	NaN	Low	0.396714	0.38164
58 ATACTGCCTGGTA	6.214963	31.69828	4.455941	3.891771	3.479177	7.709497	7.277814	0	14.0949	7.0829	3.246643	41.83351	25.27551	0	0	11.88971	19.06314	1.322851	2.197682	3.599527	9.736691	-1.26871	1.029138	0.217654	NaN	Low	13.76181	5.711567
58_ATACTGCCTGGTA	0	12.07554	0	6.486284	3.479177	5.139665	10.39688	0	7.04745	1.770725	0	13.9445	7.649166	0	0	2.377943	2.382892	1.322851	0	1.999764	3.803642	-1.20856	1.11655	0.279071	NaN	Low	5.309757	2.297526
58 CACAGTGGTCTCT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.889567	1.599811	0.574469	4.432453	1.632025	0.006609	NaN	Low	0.058455	0.598083
58 CTGCGCTTGGATT	0	0	8.911883	1.297257	0	0	0	0	0	0	0	0	1.33029	0	0.492679	1.188971	0	2.645701	5.494204	3.599575	1.248028	1.56102	1.166636	0.180879	NaN	Low	0.631813	1.864243
58 CTGCGCTTGGATT	0	0	5.941255	0	0	0	1.039688	0	1.174575	0	2.164428	0	1.662862	0	0.492679	0.594486	0	1.322851	13.18609	5.199386	1.638915	2.743608	1.029884	0.007722	NaN	Low	0.425834	2.851996
58_CTGCGCTTGGATT	1.035827	0	19.30908	0	3.479177	0	2.079375	3.558529	2.34915	0.885362	1.082214	0	2.66058	0.376742	2.463397	3.566914	1.191446	2.645701	4.395363	7.999055	2.953896	1.077331	0.94651	0.255031	NaN	Low	1.899532	4.008259
58 CTTTCAGTCGGAT	4.143309	1.509442	4.455941	2.594514	0	0	2.079375	1.186176	1.174575	5.312175	2.164428	0.996036	2.993152	3.390674	0.985359	3.566914	2.382892	0	4.395363	3.199622	2.326497	0.573993	0.696914	0.410155	NaN	Low	1.869695	2.783299
58_CTTTCAGTCGGAT	0	0	2.970628	1.297257	3.479177	0	0	0	0	3.54145	1.082214	0.996036	3.325724	3.390674	0.985359	0.594486	5.95723	5.291402	5.494204	4.799433	2.160264	1.229456	0.898715	0.171307	NaN	Low	1.29172	3.028807
58 CTTTCAGTCGGAT	2.071654	0	4.455941	0	3.479177	0	8.317501	5.930882	4.6983	7.0829	5.411071	6.972252	5.986304	9.418539	5.912153	8.3228	7.148676	14.55136	6.593045	12.79849	5.957552	0.714133	0.633542	0.259655	NaN	Low	4.512448	7.402656
58 CTTTCAGTCGGAT	25.89568	28.6794	28.22096	16.86434	24.35424	12.84916	57.18204	15.42029	27.01522	59.31929	22.7265	20.91675	19.2892	24.4882	23.15593	13.07869	50.04073	48.94547	38.45943	31.59627	29.42493	0.260622	0.494144	0.597901	0.714583	OK	26.74734	32.07552
58 CTTTCAGTCGGAT	6.214963	10.56609	8.911883	3.891771	6.958353	2.569832	17.67469	7.117058	3.523725	12.98657	9.960359	16.29605	9.795281	6.404833	6.539343	20.52458	6.614253	6.593045	4.799433	9.00336	-0.75368	0.572352	0.187903	NaN	Low	11.30301	6.703705
58_CTTTCAGTCGGAT	0	0	0	0	0	0	1.039688	1.186176	0	0.885362	1.082214	0	0	2.637191	1.478038	0	3.574338	0	0.799905	0	0.634146	-0.35185	1.181732	0.765899	NaN	Low	0.711094	0.557197
58 CTTTCAGTTGGAT	2.071654	6.037769	8.911883	6.486284	10.43753	2.569832	2.079375	0	11.74575	2.656087	2.164428	1.992072	2.328007	2.260449	0.492679	1.188971	1.191446	1.322851	0	1.199858	3.356846	-1.67173	0.957337	0.080771	NaN	Low	5.109836	1.603857
58 GGATCCGTCTGAC	0	0	0	0	0	0	0	1.186176	0	0	0	0	0	0	0	0	0	0	8.790727	0	0.498845	2.459751	1.713511	0.151144	NaN	Low	0.153462	0.844228
58 TAACACTGTCTGG	14.50158	0	43.0741	5.189028	6.958353	0	1.039688	0	4.6983	0.885362	0	1.992072	0	0	0	5.944857	0	1.322851	0	0.399953	4.300307	-1.61004	1.188979	0.175694	NaN	Low	6.478366	2.122249
58 TAACACTGTCTGG	4.143309	1.509442	11.88251	3.891771	0	0	4.158751	0	1.174575	3.54145	1.082214	4.98018	0.332572	0.376742	0.985359	0	0	0	0	0	1.902944	-2.38592	1.165841	0.040705	NaN	Low	3.194675	0.611212
58 TAACACTGTCTGG	130.5142	81.50988	101.0013	53.18753	13.91671	17.88883	108.1275	13.04794	59.90332	84.9948	30.302	95.61945	50.55101	22.98124	36.95096	71.93277	21.44603	18.51991	28.56986	14.79825	52.79318	-1.26836	0.67814	0.061436	0.152583	OK	74.61237	30.97398
58 TAACACTGTCTGG	99.43941	96.6043	51.98598	38.91771	17.39588	5.139665	90.45283	9.489411	48.15757	101.8187	56.27514	107.5719	80.14996	53.4973	67.49709	184.8851	55.99796	18.51991	28.56986	11.19631	62.178	-1.03491	0.700201	0.139401	0.262309	OK	83.57005	40.78594
58 TAACACTGTCTGG	1.035827	3.018884	1.485314	0	0	0	3.119063	0	0	4.426812	1.082214	1.992072	5.321159	2.260449	5.912153	10.70074	2.382892	0	1.098841	3.599575	2.3718	-0.06975	0.972626	0.942832	NaN	Low	2.429122	2.314478
58 TAACACTGTCTGG	7.25079	45.28326	2.970628	6.486284	6.958353	2.569832	4.158751	5.930882	4.6983	29.21696	9.739928	6.972252	32.25953	23.73472	37.44364	73.12175	8.340122	1.322851	9.889567	9.198913	16.37737	-0.72503	0.886425	0.413402	0.559909	OK	20.40811	12.34662
58 TAACACTGTCTGG	5443.272	8816.652	2770.11	3134.173	1986.61	1665.251	4418.673	1329.704	3149.035	7522.04	3861.34	6471.245	4425.542	7051.849	6483.662	20694.05	7072.424	2173.443	2255.92	2565.297	5164.514	-1.08378	0.652445	0.096693	0.210927	OK	7017.999	3311.03
58 TAACACTGTCTGG	41.4309	28.6794	7.426569	9.080798	13.91671	5.139665	36.38907	10.67559	37.5864	22.13406	15.151	20.91675	21.94978	49.35315	83.75551	70.7438	26.21181	21.16561	17.58145	25.59698	28.24436	-0.40444	0.67647	0.549923	0.677678	OK	32.17764	24.31108
58 TAACACTGTCTGG	586.2782	772.8344	686.215	337.2868	901.1068	254.4134	1481.555	315.5229	1207.463	429.4008	501.0652	400.4064	336.8959	605.8005	786.3164	1159.247	842.3524	780.4818	527.4436	521.9383	671.7012	-0.37252	0.506155	0.461743	0.60623	OK	757.9429	585.4595
58 TAACACTGTCTGG	2.071654	0	7.426569	0	3.479177	0	4.158751	0	3.523725	0	2.164428	1.992072	1.33029	2.637191	7.390192	3.566914	1.191446	0	10.98841	4.39948	2.816015	1.415561	0.879294	0.107423	NaN	Low	1.535603	4.096427
58 TAACACTGTCTGG	96.33193	158.4914	103.972	89.51073	180.9172	61.67598	465.7801	56.93647	214.9472	89.42161	91.98821	146.4173	113.4072	112.6457	163.0769	165.8615	164.4196	111.1194	85.70958	67.19206	136.9911	-0.86649	0.527423	0.10041	0.215695	OK	176.9362	97.04605
58 TAACACTGTCTGG	6.214963	13.58498	13.36782	6.486284	20.87506	7.709497	33.27001	4.744705	24.66607	7.0829	6.493285	17.92865	10.30975	8.665056	13.79502	11.88971	8.340122	9.259954	13.18609	5.999291	12.19346	-0.39805	0.579202	0.491937	0.628303	OK	13.86498	10.52194
58 TAACACTGTCTGG	0	0	2.970628	0	0	0	1.039688	0	5.872875	0.885362	1.082214	1.992072	2.993152	0	3.941436	0	2.382892	0	3.296522	0	1.322842	0.098804	1.145868	0.931286	NaN	Low	1.277562	1.368122
58 TAACACTGTTTGG	7.25079	6.037769	0	1.297257	3.479177	0	1.039688	2.372353	2.34915	0.885362	1.082214	1.992072	0	1.130225	3.941436	1.783457	1.191446	1.322851	0	0.799905	1.897758	-1.44032	1.02602	0.16038	NaN	Low	2.773516	1.021999
58 TAACACTGTTTGG	72.5079	73.96266	26.73565	31.13417	104.3753	25.69832	103.9688	45.0747	98.66429	15.93652	25.97314	12.94847	12.63775	22.60449	31.03881	45.7754	26.21181	19.84276	7.691886	7.599102	40.5191	-2.26807	0.691993	0.001047	0.008345	OK	67.10638	13.93182
58_TAACACTGTTTGG	34.1823	58.86824	23.76502	23.35062	80.02106	33.40782	75.8972	37.95764	58.72875	5.312175	19.47986	25.89693	11.97261	8.665056	14.78038	28.53532	17.87169	14.55136	3.296522	5.599575	29.00701	-2.80327	0.733714	0.000133	0.001814	OK	50.74427	7.26974
58 TAACACTGTTTGG	7.25079	7.547211	2.970628	1.297257	3.479177	0	5.198438	1.186176	2.34915	1.770725	2.164428	1.992072	1.995435	1.506966	2.463397	6.539343	0	0	0	0	2.48556	-3.12929	1.117174	0.005093	NaN	Low	4.461264	0.509855
58 TAACAGTCTACAG	2.071654	0	13.36782	3.891771	3.479177	0	8.317501	3.558529	5.872875	0.885362	1.082214	2.988108	1.33029	1.883708	5.912153	2.972429	1.191446	2.645701	9.889567	2.799669	3.706999	0.7286	0.788828	0.355669	NaN	Low	2.790333	4.623665
58 TAACAGTCTACAG	6.214963	7.547211	16.33845	9.080798	6.958353	12.84916	33.27018	15.42029	8.222024	10.62435	9.739928	13.9445	7.649166	15.82315	44.83383	11.29523	10.72301	7.937103	26.37218	6.399244	14.06215	0.154291	0.632477	0.807272	0.876619	OK	13.31092	14.81338
58 TAACAGTCTACAG	0	1.509442	0	0	0	0	7.277814	3.558529	1.174575	0	0	0.996036	0.332572	2.260449	4.434115	1.188971	1.191446	1.322851	4.395363	0.999953	1.502106	0.409422	1.048704	0.962232	NaN	Low	1.290384	1.213828
58 TAACAGTCTACAG	0	4.528326	4.455941	0	3.479177	0	2.079375	1.186176	5.872875	0	1.082214	0	1.33029	0.376742	2.463397	0	0	0	1.098841	0.399953	1.417665	-0.68463	1.108169	0.536706	NaN	Low	1.747867	1.087464
58 TAACATTGTCTGG	4.143309	7.547211	5.941255	1.297257	3.479177	0	3.119063	3.558529	8.222024	0.885362	3.246643	0	1.33029	0.376742	0.985359	2.972429	0	0	0	0	2.355232	-2.84502	1.13707	0.012347	NaN	Low	4.134978	0.575487
58 TAACATTGTCTGG	55.93467	98.11374	17.82377	41.51222	34.79177	20.55866	24.9525	13.04794	36.41182	11.50971	14.06878	20.91675	11.97261	19.59056	14.2877	61.23203	21.44603	6.614253	2.197682	5.999291	26.64912	-2.43962	0.729235	0.000821	0.006971	OK	45.0028	8.295453
58 TAACATTGTCTGG	185.4131	176.6047	114.3692	72.64639	205.2714	84.80447	148.6753	86.59087	190.2811	43.38276	36.79528	35.85729	30.26409	50.10663	57.15082	115.3302	55.99796	47.62262	20.87798	18.7977	88.842	-2.10087	0.624227	0.000764	0.00655	OK	144.0932	33.59076
58 TAACATTGTCTGG	40.39726	34.71717	20.79439	24.64788	24.35424	28.26816	50.9447	22.53735	32.8881	11.50971	10.82214	9.960359	7.649166	12.43247	8.375551	17.24009	5.95723	3.968552	2.197682	3.199622	18.64309	-2.52728	0.73256	0.000561	0.005339	OK	31.7744	5.511777
58 TAACATTGTCTGG	6.214963	7.547211	4.455941	2.594514	17.39588	7.709497	7.277814	3.558529	9.396599	1.770725	3.246643	9.960359	3.325724	1.506966	0.985359	4.1614	0	0	0	0.799905	4.445744	-2.28519	1.007657	0.02334	NaN	Low	7.377862	1.513626
58 TAATACTGTCTGG	7.25079	9.056653	5.941255	2.594514	13.91671	0	5.198438	5.930882	4.6983	0	0	0.996036	0.997717	2.637191	2.463397	0	0	1.322851	0	0	3.150237	-2.86964	1.13718	0.01162	NaN	Low	5.542188	0.752885
58_TCACATTGCCAGG	0	1.509442	0	1.297257	3.479177	23.12849	13.51594	0	9.396599	8.853625	8.657714	11.95243	7.316594	13.93944	5.912153	5.350372	10.72301	26.45701	10.98841	11.59863	8.703815	0.363983	0.873073	0.676753	NaN	Low	7.611643	9.795987
58 TCACATTGCCAGG	0	0	0	0	0	0	0	0	0	0.885362	0	0.996036	0.332572	1.883708	0	0	0	1.322851	0	0	0.271026	-0.96031	1.15656	0.406363	NaN	Low	0.358039	0.184014
58_TTATTGCTTAAGA	0	0	0	0	0	0	0	0	0	0	0	0	1.995435	0	0	0	0	0	0	0	0.099772	-0.1363	0.639972	0.83135	NaN	Low	0.104481	0.095062
58 TTATTGCTTAAGA	0	0	0	0	0	0	0	0	0	0	0	0	1.662862	0	0	0	0	0	0	0	0.083143	-0.12312	0.612755	0.840749	NaN	Low	0.086689	0.079597
58 TTTCCTCATATTCA	0	0	0	1.297257	0	0	0	0	0	0	1.082214	0	0	0	0	0	0	0	25.27334	5.599338	1.662607	4.955994	1.371397	0.000302	NaN	Low	0.103788	3.221427
58 TTTGGTCCCCTTC	0	3.018884	4.455941	0	0	5.139665	0	1.186176	4.6983	0	0	0.996036	0.332572	1.506966	2.956077	0.594486	3.574338	2.645701	2.197682	8.79896	2.105089	1.494695	0.931035	0.108403	NaN	Low	1.102705	3.107474
59 AAGGCAGGGCCCT	1.035827	0	0	0	0	0	0	0	0	0.885362	0	0	0.332572	0	0	1.783457	1.191446	1.322851	5.494204	0.399953	0.622284	1.920486	1.144177	0.093252	NaN	Low	0.26000	0.984497
59 AAGGCAGGGCCCT	2.071654	1.509442	2.970628	2.594514	0	4.158751	1.186176	2.34915	0.885362	0	0	1.995435	0.376742	0.492679	4.1614	0	3.968552	2.197682	2.354369	0.999953	1.565906	-0.44895	0.972255	0.644255	NaN	Low	1.807603	1.324209
59 CCTCTGGGCCCTT	2.071654	4.528326	2.970628	3.891771	6.958353	0	2.079375	2.372353	2.34915	7.968262	2.164428	4.98018	0.997717	0.753483	1.970718	2.377943	10.72301	5.291402	6.593045	7.599102	3.932045	0.976373	0.702591	0.164628	NaN	Low	2.650062	5.214029
59 CCTCTGGGCCCTT	0	0	4.455941	0	3.479177	2.569832	2.079375	2.372353	1.174575	0.885362	1.082214	5.976216	0.997717	1.130225	2.956077	0	9.531568	7.937103	2.197682	1.199858	2.501264	-0.47853	0.97403	0.623225	NaN	Low	2.912323	2.090205
59 CTATACAAACTAC	2.071654	1.509442	0	3.891771	0	2.569832	4.158751	4.744705	0	1.770725	0	4.98018	3.321159	8.665056	3.448756	5.350372	27.40326	1.322851	3.296522	1.599811	4.105242	-0.71189	0.967452	0.461831	NaN	Low	5.098028	3.112457
59 CTATACAAACTAC	3.107481	21.13219	14.85314	16.86434	27.83341	20.55866	21.83344	16.60647	38.76097	22.13406	6.493285	20.91675	21.28464	44.45551	43.84847	13.07869	128.6762	11.90566	24.1745	17.59792	26.80579	-0.36231	0.729133	0.619251	0.733872	OK	30.15418	23.4574
59 CTATACAACCTAC	0	0	0	0	0	0	0	0	1.174575	3.54145	1.082214	0	0.332572	0.753483	0	0	5.95723	0	0	0.399953	0.662074	-0.69486	1.192611	0.560137	NaN	Low	0.818502	0.505645
59 TACTGCCTGGTAA	3.107481	1.509442	11.88251	1.297257	0	2.569832	1.039688	0	10.57117	0	0	0.996036	0	0	0	0.594486	1.191446	0	4.395363	1.999764	2.057724	0.491075	1.146821	0.668501	NaN	Low	1.710855	2.404593
59 TCGAGGAGCTCAC	1.035827	1.509442	7.426569	3.891771	0	2.569832	2.079375	1.186176	2.34915	1.770725	1.082214	2.988108	2.328007	1.506966	0.985359	1.188971	1.191446	0	1.098841	0	1.809439	-1.80366	1.004642	0.072602	NaN	Low	2.81308	0.805798
59 TCGAGGAGCTCAC	8.286617	4.528326	4.455941	3.891771	3.479177	10.27933	3.119063	4.744705	0	4.426812	11.90436	6.972252	7.649166	4.144157	4.434115	13.07869	2.382892	7.937103	14.28493	3.599575	6.179949	0.458328	0.639858	0.473808	NaN	Low	5.206471	7.153426
59 TCGAGGAGCTCAC	3.107481	3.018884	1.485314	1.297257	3.479177	5.139665	4.158751	0	1.174575	4.426812	7.5755	9.960359	4.656014	6.027865	8.375551	6.539343	0	3.968552	3.296522	3.999527	4.084357	-0.20422	0.736121	0.781454	NaN	Low	4.372953	3.795762
59 TTGCAGGTCGTCT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71.42465	0.799905	3.611228	6.520049	1.509622	1.57E-05	NaN	Low	0.077848	7.144608
59 TTGCAGGTCGTCT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28.56986	0	1.428493	4.625719	1.702589	0.00659	NaN	Low	0.11122	2.745766
59 TTGCAGGTCGTCT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15.38377	0	0.769189	3.813036	1.721438	0.026758	NaN	Low	0.102182	1.436195
59 TTGCAGGTCGTCT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14.28493	0	0.714247	3.714263	1.72174	0.030984	NaN	Low	0.101131	1.327362
59 TTGGTCCCCTTCA	3.107481	1.509442	11.88251	3.891771	0	2.079375	1.186176	0	0	1.082214	0	0.997717	1.506966	2.956077	0.594486	0	1.322851	2.197682	1.199764	0	1.815726	0.184836	0.986305	0.851346	NaN	Low	1.699571	1.931881
59 TTTCAGTCGGATG	12.4993	4.528326	1.485314	1.297257	0	0	5.198438	1.186176	1.174575	2.656087	3.246643	0.996036	2.328007	2.637191	2.463397	4.755886	5.95723	2.645701	5.494204	0.799905	3.004706	-0.13755	1.83665	0.869408	NaN	Low	3.14784	2.861573
59 TTTCAGTCGGATG	3.107481	3.018884	0	1.297257	0	0	1.039688	1.186176	0	1.770725	0	0.996036	3.325724	2.637191	1.970718	1.188971	1.191446	1.322851	0	0.399953	1.222655	-1.71468	1.057309	0.10486	NaN	Low	1.874273	0.571037
6 AGAGGAAGTAGAT	1.035827	1.509442	1.485314	0	0	2.569832	0	0	0	0.885362	0	1.082214	0	1.33029	0.753483	0	2.972429	4.765784	1.322851	2.197682	0.991253	0.318182	1.043655	0.760463	NaN	Low	0.971402	1.211103
6 AGAGGTTGCCCTTC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.594486	0	0	17.58145	0	0.908797	3.634426	1.712483	0.033811	NaN	Low	0.135454	1.68214
6_AGGTAGTAGGTTG	1.035827	1.509442	0	2.594514	3.479177	2.569832	5.198438	2.372353	4.6983	0	0	0.996036	0.997717	0.753483	1.478038	1.188971	0	0	4.395363	0.399953	1.683372	0.398913	0.943071	0.6723	NaN	Low	1.452113	1.914631
6 CACCCGTAGAACC	5.179136	7.547211	16.33845	3.891771	0	0	4.158751	3.558529	2.34915	4.426812	7.5755	0	4.323442	1.130225	1.478038	1.188971	2.382892	2.645701	9.889567	1.199858	3.9632	0.391471	0.847873	0.644289	NaN	Low	3.428773	4.497627
6 CACCCGTAGAACC	10.35827	6.037769	13.36782	5.189028	6.958353	0	2.079375	2.372353	2.34915	0.885362	4.328857	1.992072	6.318876	2.637191	1.970718	2.377943	1.191446	7.937103	8.790727	5.599338	4.637088	0.665174	0.708562	0.347851	NaN	Low	3.586635	5.687541
6 CACCCGTAGAACC	31.07481	52.83047	53.4713	24.64788	27.83341	33.40782	19.75407	24.9097	27.01522	36.29986	31.38421	10.9564	24.27779	18.83708	15.76574	45.18092	21.44603	27.77986	51.64552	27.59674	30.30574	0.414935	0.438345	0.343845	0.49213	OK	25.97741	34.63408
6 CACCCGTAGAACC	317.9989	416.606	551.0514	194.5885	393.147	262.1229	220.4138	206.3947	136.2507	228.4235	411.2414	47.80972	234.7961	168.7802	195.1071	209.259	173.9511	297.6414	668.0052	254.3699	279.4021	0.790843	0.522463	0.130105	0.250726	OK	279.4021	354.1204
6 CACCCGTAGAACC	101.5111	203.7747	150.0167	60.97107	281.8133	146.4804	70.69876	81.84617	95.14057	69.94364	156.9211	28.88504	102.7649	132.613	145.3404	94.5223	92.93279	186.5219	246.1403	202.776	132.5808	0.844032	0.500514	0.091732	0.202799	OK	94.86794	170.2936
6 CACCCGTAGAACC	2.071654	3.018884	4.455941	2.594514	34.79177	2.569832	2.079375	1.186176	1.174575	1.770725	1.082214	0	4.656014	3.390674	5.912153	4.1614	2.382892	2.645701	8.790727	5.599338	4.716728	0.776129	0.819271	0.343465	NaN	Low	3.477734	5.955722
6 CACCCGTAGAACC	50.75553	134.3403	74.26569	14.26983	191.3547	77.09497	29.11125	34.39911	8.222024	32.75841	112.5503	0.996036	46.89271	33.90674	39.41436	27.34634	21.44603	39.68552	87.90727	27.99669	54.23569	0.100794	0.808012	0.900727	0.937821	OK	52.34187	56.12952
6 CACCCGTAGAACT	44.54057	84.52876	71.29506	31.13417	90.45859	35.97765	27.03188	35.58529	24.66607	8.853625	23.80871	2.988108	12.63775	5.651124	10.34627	13.67317	10.72301	5.291402	17.58145	4.39948	28.05861	-1.24212	0.819555	0.129621	0.250726	OK	39.44272	16.6745
6 CACCCGTAGAACTC	10.35827	22.64163	11.88251	9.080798	31.31259	7.709497	6.238126	13.04794	2.34915	4.426812	6.493285	0.996036	3.658297	4.89764	4.434115	4.1614	5.95723	1.322851	3.296522	1.599811	7.793226	-1.51207	0.79772	0.058028	NaN	Low	11.54032	4.046129
6 CACCCGTAGAACTA	4.143309	16.60386	1.485314	2.594514	10.43753	0	2.079375	0	1.174575	0	1.082214	0	1.662862	0.

60	GCCCCTGGGCCTA	0	1.509442	0	0	0	2.569832	1.039688	1.186176	0	0	1.082214	0.996036	0.997717	2.637191	3.448756	2.972429	0	0	4.395363	5.999291	1.441707	1.814571	0.919169	0.048366	NaN	Low	0.638269	2.245144
60	GCCCCCTGGGCCTA	1.035827	1.509442	0	1.297257	0	0	0	2.372353	0	0	1.082214	0	0.997717	1.130225	2.463397	1.783457	1.191446	0	1.098841	4.39948	1.018083	1.370001	0.923048	0.137752	NaN	Low	0.568014	1.468151
60	GCCCCTGGGCCTA	0	0	0	0	0	0	0	0	0	0	0	0	1.662862	0.376742	0.492679	0	0	1.322851	0	0.799905	0.232752	0.339864	1.16938	0.771329	NaN	Low	0.205463	0.260041
60	GCCCCTGGGCCTA	2.071654	6.037769	0	1.297257	3.479177	7.709497	13.51594	18.97882	8.222024	17.70725	3.246643	27.88901	17.95891	19.21382	17.24378	10.10626	34.55194	51.59117	68.12813	25.59698	17.7273	1.446949	0.828824	0.080848	0.185387	OK	9.514671	25.93993
60	GCCCCTGGGCCTA	0	0	0	0	6.958353	5.139665	1.039688	3.558529	0	2.656087	2.164428	5.976216	2.66058	2.260449	0.492679	0.594486	2.382892	2.645701	8.790727	1.599811	2.446015	1.106196	0.884599	0.211115	NaN	Low	1.551659	3.34037
60	GCCCCTGGGCCTA	7.25079	7.547211	8.911883	1.297257	6.958353	5.139665	2.079375	1.186176	7.04745	6.197537	1.082214	0.996036	3.990869	4.89764	1.970718	8.3228	15.4888	5.291402	6.593045	18.79778	6.05235	1.214118	0.681855	0.074976	NaN	Low	3.646007	8.458693
60	GCCCCTGGGCCTA	2.071654	10.56609	5.941255	10.37806	3.479177	2.569832	10.39688	5.930882	15.26947	16.82189	3.246643	5.976216	10.30975	8.665056	3.448756	13.07869	34.55194	14.55136	15.38377	17.59792	10.51176	0.668234	0.652225	0.305578	0.455824	OK	8.11993	12.9036
60	GCCCCTGGGCCTA	2.071654	0	0	0	0	2.569832	0	0	0	1.770725	0	4.98018	0.665145	0	0.985359	0.594486	0	1.322851	1.098841	1.999764	0.902942	0.675549	1.100575	0.539338	NaN	Low	0.695318	1.110565
60	GCGACCCATCATCT	0	0	0	0	0	0	0	0	0	0	0	0	0.665145	0	0	0.594486	0	0	2.747107	1.99858	0.992563	4.381463	1.142545	0.000125	NaN	Low	0.090883	1.894243
60	TAACTGTCTGGCTA	2.071654	3.018884	0	5.189028	0	0	0	1.186176	2.34915	1.770725	2.164428	1.992072	0.665145	1.130225	0.985359	2.972429	0	2.645701	0	0.399953	1.427046	-1.74732	1.055683	0.097893	NaN	Low	2.199085	0.655008
60	TAACTGTCTGGCTA	2.071654	3.018884	7.426569	1.297257	10.43753	0	8.317501	5.930882	2.34915	1.770725	0	0	0.332572	0.753483	0.985359	1.783457	2.382892	0	2.197682	1.199858	2.612773	-0.46745	0.974609	0.631491	NaN	Low	3.032393	2.193153
60	TACGTCATCGTTG	7.25079	0	0	0	0	0	3.119063	0	0	0	1.082214	0	0.997717	0.376742	0.985359	1.188971	3.574338	1.322851	6.593045	5.199386	1.584524	1.829032	1.018837	0.072619	NaN	Low	0.696037	2.47301
60	TACGTCATCGTTG	21.75237	1.509442	0	0	0	7.709497	12.47625	0	1.174575	6.197537	3.246643	0	1.662862	1.883708	1.970718	1.188971	2.382892	6.614253	8.790727	11.59863	4.507954	1.105939	0.99268	0.265239	NaN	Low	2.860023	6.155884
60	TACGTCATCGTTG	7.25079	3.018884	0	0	0	0	4.158751	1.186176	0	0	2.164428	0	0.332572	3.767416	3.941436	2.972429	5.95723	5.291402	9.889567	17.79849	3.136478	1.894492	0.932866	0.042272	NaN	Low	1.329605	4.943352
60	TACGTCATCGTTG	3.107481	0	0	0	0	0	4.158751	3.558529	0	0.885362	4.328857	0	0.665145	0.376742	3.448756	2.377943	0	2.645701	2.197682	2.399716	1.507533	0.4775	0.995487	0.631466	NaN	Low	1.260306	1.754761
60	TACGTCATCGTTG	3.107481	1.509442	1.485314	1.297257	0	2.569832	3.119063	2.372353	0	0	1.082214	0	0.332572	2.260449	1.970718	0	2.377943	0	1.322851	2.197682	1.654941	1.608499	0.864772	0.062882	NaN	Low	0.817387	2.492494
60	TAGGATGGGTGTA	14.50158	4.528326	13.36782	11.67531	0	0	7.277814	8.303235	4.6983	4.426812	5.411071	0.996036	1.662862	1.130225	0	1.783457	0	0	3.296522	0	4.152969	-1.10126	1.061881	0.299695	NaN	Low	5.665298	2.640639
60	TAGGATGGGTGTA	149.1591	22.64163	60.89787	45.40399	6.958353	15.41899	22.87313	32.02676	23.4915	22.13406	12.98657	4.98018	5.986304	3.767416	4.926795	5.350372	3.574338	11.90566	5.494204	0	22.99886	-2.48969	0.963211	0.009744	0.041955	OK	39.04583	6.951893
60	TATTGCACTCGTC	1.035827	0	8.911883	3.891771	0	10.27933	7.277814	3.558529	0	0	0	0.996036	1.662862	0.376742	0.492679	0	0	0	29.6687	20.79754	4.447486	2.780577	1.071276	0.009443	NaN	Low	1.130055	7.764916
60	TATTGCACTCGTC	2.071654	0	19.30908	54.48479	0	33.40782	4.158751	3.558529	12.92032	0.885362	3.246643	2.988108	8.314311	1.883708	1.478038	0.594486	2.382892	1.322851	162.6284	82.79022	19.9213	3.103875	1.01105	0.002141	0.013276	OK	4.15146	35.69114
60	TATTGCACTCGTC	7.25079	6.037769	35.64753	85.61895	17.39588	33.40782	30.15094	14.23412	11.74575	2.656087	2.164428	12.94847	15.29833	5.274382	0.492679	1.188971	13.10591	1.322851	308.7743	166.3803	38.55481	3.256697	0.920244	0.000402	0.004353	OK	7.303484	69.80614
60	TATTGCACTCGTC	8.286617	6.037769	72.78038	85.61895	3.479177	30.83799	49.90501	22.53735	22.31692	4.426812	5.411071	11.95243	22.61493	10.92551	7.390192	6.539343	14.29735	3.968552	286.7975	238.7718	45.74478	3.158742	0.823731	0.000126	0.001797	OK	9.212979	82.27658
60	TATTGCACTCGTC	20.71654	15.09442	129.2223	271.1267	62.62518	95.0838	144.5166	80.65999	79.87109	12.39507	28.13757	28.88504	67.51221	56.51124	17.24378	13.07869	70.29532	26.45701	1092.248	1255.052	178.3366	3.680096	1.777152	1.82E-06	0.00012	OK	25.81226	330.8609
60	TATTGCACTCGTC	3.107481	1.509442	10.3972	5.189028	10.43753	7.709497	9.357189	1.186176	8.222024	1.770725	1.082214	0.996036	2.328007	1.883708	2.956077	1.566924	4.765784	3.968552	24.1148	58.79305	1.688236	1.512756	0.811978	0.015389	NaN	Low	1.685838	6.45428
60	TATTGCACTCGTC	1.035827	3.018884	14.85314	11.67531	3.479177	7.709497	9.357189	9.489411	4.6983	0.885362	1.082214	2.988108	7.316594	7.15809	9.853589	6.539343	7.148676	3.968552	21.97682	111.1869	12.27105	3.152977	0.659542	1.75E-06	0.00012	OK	2.48028	22.06181
60	TATTGCACTCGTC	2.071654	1.509442	0	0	0	0	0	1.186176	0	0	0	0	0.997717	0.753483	1.478038	0.594486	0	0	0	13.19844	1.089472	2.685988	1.105281	0.015093	NaN	Low	0.293057	1.885887
60	TATTGCACTCGTC	1.035827	0	1.485314	1.297257	0	0	1.039688	1.186176	1.174575	0	0	0	0.997717	0	0.492679	0	0	0	2.197682	13.19844	1.205268	3.244595	0.983702	0.000973	NaN	Low	0.230055	2.180481
60	TATTGCACTCGTC	1.035827	3.018884	7.426569	16.86434	6.958353	20.55866	7.277814	8.303235	9.396599	0.885362	1.082214	0	5.321159	4.89764	6.897512	1.783457	3.574338	0	23.07566	57.19324	9.277543	2.487116	0.823901	0.002539	NaN	Low	2.808584	15.7465
60	TATTGCACTCGTC	16.57323	46.79271	316.3718	383.988	156.563	92.51397	298.3904	117.4315	176.1862	14.1658	57.35735	72.71062	131.3661	96.44584	46.31187	24.37392	73.86966	54.23687	1669.139	1986.565	291.5677	3.494317	0.777375	6.96E-06	0.000272	OK	47.52829	535.607
60	TATTGCACTCGTC	5.179136	25.66052	68.32443	44.10673	59.146	30.83799	43.66688	30.84059	58.72875	7.0829	18.39764	22.90883	34.58753	36.92067	34.98024	11.29523	53.61507	10.5828	167.0238	549.935	65.69104	3.198403	0.637774	5.3E-07	6.14E-05	OK	12.90664	118.4754
60	TATTGCACTCGTC	2.071654	9.056653	22.27971	19.45885	10.43753	5.139665	5.198438	5.930882	7.04745	2.656087	5.411071	1.992072	7.649166	15.82315	16.25842	1.783457	7.148676	5.291402	18.68029	108.3872	13.88509	2.668302	0.710499	0.000173	0.002187	OK	3.774761	23.99542
60	TATTGCACTCGTC	2.071654	10.56609	17.82377	22.05337	13.91671	2.569832	8.317501	8.303235	21.14235	0	3.246643	3.984144	11.30746	10.54876	7.882871	4.755886	4.765784	1.322851	27.47102	77.19088	12.96204	2.360081	0.740506	0.001547	0.010592	OK	4.226298	21.69778
60	TATTGCACTCGTC	4.143309	12.07554	38.61816	14.26983	34.79177	10.27933	22.87313	11.86176	32.8881	5.312175	5.411071	13.9445	14.96576	21.47427	25.12665	2.972429	28.59471	17.19706	68.12813	271.5679	32.82478	3.038956	0.656475	3.67E-06	0.00019	OK	7.121147	58.52841
60	TATTGCACTCGTC	2.071654	0	5.941255	3.891771	6.958353	2.569832	4.158751	2.372353	5.872875	0.885362	0	0.996036	1.662862	3.390674	6.404833	0.594486	3.574338	1.322851	8.790727	34.79589	4.812745	2.691619	0.726124	0.00021	NaN	Low	1.290214	8.335276
60	TATTGCACTCGTC	0	1.485314	0	3.479177	0	0.279375	0	0	0	0	0	0	0.332572	0.753483	0	0	0	1.322851	1.098841	10.79872	1.067517	2.823714	1.106494	0.010712	NaN	Low	0.264242	1.870791
60	TATTGCACTCGTC	2.071654	6.037769	19.30908	10.37806	27.83341	2.569832	10.39688	5.930882	14.0949	6.197537	1.082214	9.960359	6.984021	8.288315	13.30235	1.783457	10.72301	3.968552	27.47102	87.1897	13.77865	2.530199	0.661373	0.00013	0.001811	OK	4.066589	23.49071
60	TATTGCACTCGTC	3.107481	13.58498	53.4713	72.64639	86.97942	17.98883	73.81782	17.79265	39.93555	1.770725	5.411071	9.960359	27.93609	27.87888	23.15593	4.1614	19.06314	18.51991	283.5009	379.1552	58.99919	3.112807	0.815971	0.000136	0.001816	OK	12.22549	105.7583
60	TATTGCACTCGTC	0	3.018884	1.485314	9.080798	0	2.569832	4.158751	0	1.174575	0.885362	2.164428	1.992072	0.997717	5.274382	6.404833	0	1.191446	0	9.889567	19.59768	3.494282	2.253114	0.901221	0.012417	NaN	Low	1.211797	5.776768
60	TATTGCACTCGTC	0	1.509442	0	0	0	17.39588	0	2.079375	0	0	0	0	0.665145	1.130225	0.492679	0	0	0	1.098841	5.999291	1.518544	1.098941	1.188269	0.355057	NaN	Low	0.966618	2.07047
60	TATTGCACTCGTC	2.071654	1.509442	16.33845	27.24239	3.479177	10.27933	16.6267	2.372353	15.26947	1.770725	3.246643	10.9564	9.644601	10.92551	6.404833	1.783457	7.148676	2.645701	42.85479	82.39026	13.74844	2.623745	0.739589	0.000389	0.004259	OK	3.838482	23.65684
60	TATTGCACTCGTC	9.322444	25.66052	83.17757	114.1586	93.93777	69.38548	125.8022	53.37794	72.82364	12.39507	12.98657	35.85729	54.87445	36.92067	24.14129	14.86214	34.55194	30.42556	447.2282	568.3328	96.01111	3.067263	0.683308	7.16E-06	0.000272	OK	20.46749	171.5547
60	TATTGCACTCGTC	0	0	0	2.594514	13.91671	2.569832	2.079375	3.558529	2.34915	0	1.082214	0.996036	1.33029	2.260449	2.956077	0.594486	4.765784	0	2.197682	17.99787	3.06245	2.026158	0.896435	0.023806	NaN	Low	1.207308	4.917592
60	TATTGCACTCGTC	1.035827	6.037769	22.27971	33.72868	13.91671	10.27933	19.75407	3.558529	17.61862	3.54145	1.082214	0.996359	11.97261	9.795281	6.404833	1.783457	4.765784	6.614253	49.44784	59.193	14.63852	2.17935	0.748973	0.003617	0.019923	OK	5.294704	23.98233
60	TATTGCACTCGTC	2.071654	4.528326	8.911883	7.783541	0	0	4.158751	2.372353	3.52725	0.885362	1.082214	4.98018	2.328007	3.013933	1.970718	1.188971	1.191446	2.645701	4.395363	3.199622	3.011588	0.306916	0.703566	0.662671	NaN	Low	2.692451	3.330724
60	TATTGCACTCGTC	1.035827	6.037769	26.73565	45.40399	10.43753	35.97765	22.87313	14.23412	10.57117	2.656087	5.411071	4.98018	9.644601	9.795281	4.926795	2.377943	13.10591	11.90566	110.9829	162.3808	25.5737	3.047335	0.759449	6.01E-05	0.00113	OK	5.519405	45.628
60	TATTGCACTCGTC	3.107481	15.09442	10.3972	35.02594	10.43753	23.12849	19.75407	3.558529	5.872875	0	3.246643	2.988108	16.96119	8.665056	3.448756	4.755886	5.95723	2.645701	68.12813	75.99102	15.95821	2.582068	0.78904	0.001066	0.008345	OK	4.567335	27.34909
60	TCCGGACCTGGGT	0.214963	0	0	5.189028	0	0	1.039688	8.303235	2.34915	0.885362	1.082214	0	1.33029	0	0.985359	1.188971	2.382892	0	8.790727	0.399953	2.007092	0.990429	1.055893	0.348146	NaN	Low	1.343861	2.670322
60	TCCGGACCTGGGT	20.71654	1.509442	1.485314	15.56708	0	7.709497	31.19063	40.33	28.1898	3.54145	7.5755	3.984144	6.651449	1.506966	6.897512	7.728315	19.06314	11.90566	31.86638	7.599102	12.7509	0.59079	0.854941	0.489546	0.627689	OK	10.176	15.32579
60	TCCGAGCCTGGGT	0	0	0	2.594514	0	0	2.079375	2.372353	1.174575	0	1.082214	0.996036	1.662862	0.376742	0	0	1.191446	0	0	1.599811	0.756496	0.185811	1.108412	0.866869	NaN	Low	0.707847	0.805145
60	TCCGAGCCTGGGT	3.107481	0	1.485314	1.297257	0	0	5.198438	2.372353	3.52725	0	2.164428	2.988108	1.662862	0.753483	2.463397	0.594486	2.382892	0	0	0.399953	1.519709	-1.83283	1.05707	0.08294	NaN	Low	2.373222	0.666196
60	TCCGAGCCTGGGT	1.035827	0	0	0	0	0	3.119063	0	2.34915	0	1.082214	0	0	0.376742	3.448756	0	0	0	0	0.399953	0.590585	-0.66742	1.193133	0.575899	NaN	Low	0.724808	0.456362
60	TCCGAGCCTGGGT	2.071654	1.509442	0	0	0	2.569832	4.158751	3.558529	0	0	0	1.992072	3.325724	0	0.985359	1.783457	2.382892	0	3.296522	0.799905	1.421707	0.336583	1.025238	0.742686	NaN	Low	1.256612	1.586802
60	TCGGCAACAAGAG	0	0	1.485314	0	0	0	4.158751	0	0	0	1.082214	0	5.986304	0	0	0	0	0	8.790727	1.199858	1.135158	1.448657	1.189742	0.223367	NaN	Low	0.608739	1.661577
60	TCTAGTAAGAGTC	0	0	0	5.189028	0	0	1.039688	3.558529	0	0	0	0	0	0	0.492679	1.188971	0	0	0	9.998818	0.813934	2.137378	1.189991	0.072474	NaN	Low	0.301479	1.32639
60	TCTCACACAGAAA	5.179136	0	1.485314	0	0	2.569832	0	0	0	0	0	1.992072	1.995435	0	0.492679	1.783457	0	1.322851	0	0.799905	0.881034	-0.58074	1.16868	0.619247	NaN	Low	1.056002	0.706066
60	TCTCACACAGAAA	5.179136	0	0	2.594514	0	0	0	2.372353	2.34915	0.885362	0	0	0.665145	1.506966	0	1.188971	0	2.645701	3.296522	1.599811	1.214182	0.831966	1.02354	0.416315	NaN	Low	0.873478	1.554886
60	TCTCACACAGAAA	2.071654	0	0	0	0	0	1.039688	2.372353	1.174575	1.770725	0	0.997717	2.260449	0.492679	4.1614	0	0	0	3.296522	1.199858	1.041881	0.773723	1.011046	0.444111	NaN	Low	0.769008	1.314754
60	TCTCACACAGAAA	16.57323	9.056653	7.426569	9.080798	0	12.84916	7.277814	36.77147	11.74575	9.738987	11.90436	9.960359	15.6309	23.73472	18.72182	37.4526	13.10591	13.22851	16.48261	21.59745	15.11698	0.312812	0.574454	0.586071	0.71027	OK	13.4845	16.74946
60	TCTCACACAGAAA	59.04215	13.58498	38.61816	46.70125	27.83341	43.68715	47.82563	109.1282	62.25247	20.36334	24.89093	37.84937	33.92239	85.1436	79.81407	89.17286	117.9532	141.545	129.6632	108.3872	65.86893	0.917833	0.591987	0.121039	0.242078	OK	45.59546	86.14239
60	TCTCACACAGAAA	4.143309	1.509442	1.485314	3.891771	0	5.139665	0.039688	10.67559	4.6983	3.54145	5.411071	0.996036	2.66058	9.795281	15.27306	8.3228	5.95723	13.22851	12.08725	15.59816	6.277725	1.166172	0.713518	0.102176	NaN	Low	3.867095	8.678355
60	TCTCACACAGAAA	8.286617	6.037769	14.85314	6.486284	0	17.98883	10.39688	46.26088	19.96777	7.0829	9.739928	13.9445	18.95663	25.24169	27.59005	26.15737	28.59471	37.03982	42.85479	33.99598	20.07383	0.984392	0.62288	0.114018	0.232757	OK	13.47924	26.66841
60	TCTCACACAGAAA	5.179136	3.018884	1.485314	9.080798	3.479177	5.139665	0.039688	16.60647	3.523725	2.656087	1.082214	5.976216	6.318876	8.665056	12.80907	9.511772	5.95723	6.614253	4.395363	9.998818	6.12692	0.223767	0.689331	0.726745	NaN	Low	5.623368	4.630473
60	TCTCACACAGAAA	31.07481	4.528326	32.6769	18.1616	3.479177	15.41899	8.317501	23.72353	29.36437	7.962862	6.493285	2.988108	8.314311	7.534831	3.448756	12.4842	1.191446	2.645701	3.296522	2.799669	11.29552	-1.71148	0.824575	0.037932	0.108876	OK	17.30654	5.284488
60	TCTCACACAGAAA	27.96733	10.56609	23.76502	15.56708	3.479177	5.139665	9.357189	18.97882	12.92032	0.885362	2.164428	2.988108	3.990869	6.404607	3.941436	9.511772	3.574338	3.968552	1.098841	1.999858	8.373444	-2.42537	0.880822	0.005896	NaN	Low	14.11855	2.628333
60	TCTCACACAGAAA	5.179136	1.509442	2.970628	2.594514	0	2.569832	3.039688	5.930882	10.57117	0.885362	1.082214	0	0.665145	0.753483	0.492679	1.783457	0	0	1.098841	0	1.956324	-1.5154	1.083738	0.16202	NaN	Low	2.898689	1.013959
60	TCTCACACAGAAA	7.25079	1.509442	13.36782	5.189028	0	5.139665	2.079375	4.744705	7.04745	0	4.328857	0	2.328007	2.260449	1.478038	4.1614	1.191446	0	0	1.199858	3.163817	-1.65948	0.990728	0.093933	NaN	Low	4.806209	1.521424
60	TCTCACACAGAAA	8.286617	3.018884	0	9.080798	0	5.139665	2.079375	5.930882	15.26947	0.885362	1.082214	2.988108	1.33029	2.260449	3.448756	6.539343	3.574338	0	1.098841	0.799905	3.640665	-1.6497	0.94915	0.082197	NaN	Low	5.521566	1.759764
60	TCTCACACAGAAA	1.035827	0	4.455941	2.594514	0	2.569832	1.039688	8.303235	7.04745	0	0	0	2.328007	1.883708	1.478038	2.972429	0	0	2.197682	0.799905	1.935313	-0.38734	1.027218	0.706117	NaN	Low	2.193563	1.677062
60	TCTCACACAGAAA	6.214963	3.018884	7.426569	1.297257	0	2.569832	2.079375	10.67559	4.6983	1.770725	0	1.992072	1.662862	3.013933	1.970718	2.972429	0	0	1.098841	0.799905	2.663113	-3.11073	0.937932	0.162273	NaN	Low	3.795995	1.53023
60	TCTCACACAGAAA	9.322444	1.509442	2.970628	5.189028	0	2.569832	2.079375	9.489411	11.74575	0.885362	0	0.996036	0.332572	1.883708	0.492679	0.594486	0	1.322851	1.098841	0	2.624122	-1.72353	1.009809	0.113697	NaN	Low	4.028414	1.219831
60	TCTGAGCCTGGGT	5.179136	0	1.485314	0	0	0	1.039688	7.117058	1.174575	0	0	0	0	0	0	0.594486	0	0	0	0	0.829513	-1.16056	1.178732	0.32483	NaN	Low	1.146259	0.512767
60	TGAGATGAAGCAC	2516.024	2425.674	4542.09	4056.522	1750.026	4407.263	5518.662	1756.727	3833.813	3282.039	2635.192	2408.415	4071.019	2678.633	4071.503	3272.644	5493.758	3018.745	5611.78	3593.175	3547.185	0.413129	0.376257	0.272207	0.420572	OK	3042.743	4051.627
60	TGAGATGAAGCAC	509.627	707.9284	718.8919	679.7626	323.5634	1053.631	871.2583	580.0402	786.9652	865.8845	713.1792	406.3827	941.8452	768.1761	992.2564	608.7534	2230.387	752.702	952.695	1084.272	827.4101	0.324773	0.444981	0.465477	0.609649	OK	734.6701	920.15
60	TGAGATGAAGCAC	0	0	1.485314	1.297257	0	0	2.079375	0	1.174575	0	1.082214	0	0.332572	0.753483	1.478038	0.594486	5.95723	0	0	1.199858	0.87172	-0.2451	1.10276	0.824111	NaN	Low	0.945591	0.797849
60	TGAGATGAAGCAC	2155.556	2250.578	2888.935	2689.214	935.8985	3831.62	3018.213	1762.658	2699.173	2412.613	2225.032	1307.795	3027.74	2558.452	2829.951	1945.157	5502.098	2517.385	3140.487	3303.21	2650.088	0.307538	0.401181	0.443331	0.590708	OK	2368.695	2931.482
60	TGAGATGAAGCAC	371.8619	313.964	417.3732	505.9302	229.6257	573.0726	499.0501	207.5809	454.5605	245.2454	253.2381	173.3103	364.832	202.687	460.1626	304.3767	523.0448	231.4988	443.9317	274.3676	352.4857	0.027663	0.407424	0.945867	0.968458	OK	349.1064	355.865
60	TGCAGGTCGCTCT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24.1745	0	1.208725	4.409246	1.709825	0.009915	NaN	Low	0.10866	2.30879
60	TGCAGGTCGCTCT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.492679	0	0	0	19.77913	0.399953	1.033588	-4.48989	1.595184	0.004939	NaN	Low	0.088425	1.978751
60	TGCAGGTCGCTCT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.790727	0	0.439536	3.067856	1.706877	0.07228	NaN	Low	0.093665	0.785407
60	TGCAGGTCGCTCT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15.38377	0	0.769189	3.813036	1.721438	0.026758	NaN	Low	0.102182	1.436195
60	TGCCATAGCCCGC	2.071654	3.018884	1.485314	1.297257	3.479177	15.41899	1.039688	4.744705	1.174575	0.885362	4.328857	0	1.662862	0.376742	1.970718	0	0	1.322851	0	0.799905	2.253877	-1.45487	1.05751	0.1689	NaN	Low	3.302895	1.204859
60	TTCACAGTGGCTA	6.214963	1.509442	32.6769	2.594514	0	2.569832	0	1.186176	3.523725	2.656087	0	0	1.662862	0	0.492679	1.188971	1.191446	0	3.296522	1.199858	3.098199	-0.33635	1.125896	0.76514	NaN	Low	3.457727	2.738671
60	TTCACAGTGGCTA	16.57323	6.037769

62	CTATACAAATCTAT	5.179136	3.018884	4.455941	6.486284	3.479177	2.569832	3.119063	1.186176	2.34915	6.197537	4.328857	0.996036	2.328007	2.637191	3.448756	4.1614	3.574338	2.645701	2.197682	0.399953	3.237955	-1.57158	0.790992	0.046939	NaN	Low	4.845643	1.630268
62	GCTACTTCACAAC	0	0	0	0	0	0	0	0	2.34915	0	0	0	0	0	0	0	0	5.494204	0.799905		0.432163	2.102798	1.720232	0.221559	NaN	Low	0.163221	0.701104
62	TATACGACCTGCT	8.286617	7.547211	7.426569	6.486284	17.39588	0	2.079375	3.558529	7.04745	5.312175	6.493285	5.976216	6.984021	1.883708	5.419474	7.133829	3.574338	13.22851	14.28493	5.599338	6.785887	5.581572	5.570917	0.308363	NaN	Low	5.436366	8.135408
62	TCACACAGAAATC	3.107481	0	1.485314	0	0	0	3.558529	1.174575	1.770725	0	0	1.662862	1.883708	0.985359	1.188971	1.191446	1.322851	1.098841	2.799669		1.161517	0.688361	0.892052	0.440316	NaN	Low	0.889556	1.433477
62	TCACACAGAAATC	3.107481	0	1.485314	5.189028	0	5.139665	5.198438	16.60647	3.523725	7.0829	7.5755	2.988108	4.323442	7.534831	12.31699	15.45663	7.148676	18.51991	19.77913	15.99811	7.948717	1.206112	0.68971	0.080339	NaN	Low	4.806989	11.09045
62	TCACACAGAAATC	0	0	0	0	0	0	0	2.372353	0	0	1.082214	0	0	0.376742	2.463397	0	1.191446	0	1.098841	0.799905	0.469245	0.589851	1.188792	0.619769	NaN	Low	0.374633	0.563857
62	TCACACAGAAATC	1.035827	0	2.970628	1.297257	0	0	2.079375	4.744705	2.34915	0	0	0	2.66058	1.506966	0.985359	2.377943	1.191446	0	2.197682	0.799905	1.309841	-0.0386	0.950479	0.967607	NaN	Low	1.327362	1.29232
62	TCAGTGCACAACA	12.42993	4.528326	2.970628	3.891771	17.39588	2.569832	6.238126	0	1.174575	6.197537	2.164428	18.92468	4.656014	1.130225	6.897512	22.59046	2.382892	2.645701	1.098841	0	5.994368	-2.76714	1.00918	0.006107	NaN	Low	10.45321	1.535528
62	TCAGTGCACAACA	1.035827	0	0	2.594514	3.479177	0	1.039688	0	0	0.885362	0	1.992072	0.997717	0	0.492679	5.350372	3.574338	1.322851	1.098841	0	1.193172	-0.9768	1.12345	0.384595	NaN	Low	1.582344	0.804
62	TCAGTGCACCACA	17.60906	1.509442	1.485314	2.594514	0	0	9.357189	1.186176	0	12.39507	3.246643	14.94054	7.316594	2.260449	6.897512	13.07869	1.191446	1.322851	1.098841	0	4.874517	-2.45493	1.04441	0.018746	NaN	Low	8.24522	1.503813
62	TCAGTGCACCACA	6.214963	0	1.485314	1.297257	31.31259	0	6.238126	0	0	7.968262	2.164428	5.976216	1.662862	1.130225	2.463397	8.3228	0	2.645701	2.197682	0	4.053991	-1.37066	1.085684	0.206773	NaN	Low	5.846905	2.261077
62	TCAGTGCATCACA	2.071654	0	1.485314	1.297257	0	2.569832	0	0	0	0.885362	1.082214	1.992072	3.325724	0.376742	0.985359	2.377943	1.191446	1.322851	0	0.799905	1.088184	-0.92584	1.035344	0.371195	NaN	Low	1.425842	0.750525
62	TCAGTGCATCACA	1.035827	0	0	1.297257	0	2.569832	0	0	0	2.656087	1.082214	3.984144	0.665145	1.130225	0	1.783457	2.382892	0	2.197682	3.199622	1.199219	1.130958	0.954497	0.236067	NaN	Low	0.751852	1.646587
62	TCAGTGCATCACA	9.322444	3.018884	2.970628	0	3.479177	10.27933	6.238126	5.930882	1.174575	13.28044	10.82214	15.93657	12.97033	11.30225	10.83895	23.77943	19.06314	9.259954	15.38377	15.99811	10.05246	0.627569	0.679105	0.355428	0.501362	OK	7.899894	12.20502
62	TCAGTGCATCACA	13.46575	3.018884	8.911883	1.297257	24.35424	0	18.71438	5.930882	7.04745	4.426812	12.98657	7.968287	16.29605	19.59056	16.25842	19.02354	33.36049	15.87421	12.08725	14.3983	12.75056	0.049986	0.684464	0.941783	0.966283	OK	12.5297	12.97143
62	TCAGTGCATCACA	235.1328	205.2841	132.1929	216.6419	212.2298	208.1564	230.8107	118.6176	97.48972	185.9261	303.02	337.6562	273.042	322.114	213.8229	375.1205	443.2179	216.9475	350.5302	167.5802	242.2767	0.097684	0.423519	0.817587	0.882958	OK	234.0776	250.4758
62	TCAGTGCATCACA	437.1191	451.3232	271.8124	638.2504	852.3983	778.6592	760.0117	285.8685	227.8675	346.1767	1002.13	936.2738	806.1556	723.7206	410.8947	595.6747	613.5947	337.3269	537.2232	577.9731	562.0282	-0.5808	0.481493	0.227725	0.374623	OK	673.6545	450.4019
62	TCAGTGCATCACA	12.42993	36.22661	8.911883	53.18753	125.2504	74.52514	47.82563	20.165	18.7932	20.36334	99.56371	68.72648	65.1842	55.00427	23.64861	23.77943	20.25458	13.22851	29.6687	9.998818	41.3368	-1.03275	0.706495	0.143799	0.268533	OK	55.53117	27.14242
62	TTAGTGCATCATA	13.46575	4.528326	4.455941	5.189028	3.479177	17.98883	2.079375	2.372353	1.174575	2.656087	2.164428	0.996036	0.997717	1.883708	1.970718	2.377943	2.382892	1.322851	0	0.799905	3.614282	-2.1089	0.978272	0.033104	NaN	Low	5.868182	1.360383
62	TTAGTGCATCACA	18.64489	15.09442	7.426569	10.37806	3.479177	12.84916	17.67469	7.117058	2.34915	3.54145	8.657714	3.984144	4.323442	12.05573	2.956077	6.539343	11.91446	1.322851	6.593045	5.599338	8.125038	-0.41794	0.670845	0.533277	NaN	Low	9.293773	6.956303
62	TTCAGTGGCTAAG	7.25079	18.11331	22.27971	9.080798	0	0	19.75407	2.372353	21.14235	6.197537	3.246643	3.984144	2.66058	0.376742	0.985359	4.755886	0	3.968552	7.691886	4.799433	6.933006	-0.14378	0.951069	0.879837	NaN	Low	7.278192	6.587821
62	TTGTGAAATGTTT	0	1.509442	0	1.297257	0	0	2.079375	1.186176	0	1.770725	1.082214	0	0.332572	1.130225	0	2.972429	0	0	0		0.668021	-1.80848	1.189757	0.1285	NaN	Low	1.039324	0.296718
63	ACAGTGGCTAAGT	0	1.509442	7.426569	2.594514	0	0	1.039688	2.372353	3.523725	0.885362	0	3.984144	1.33029	0.376742	0.492679	0.594486	1.191446	1.322851	4.395363	0.799905	1.691978	0.492801	0.930535	0.596397	NaN	Low	1.405779	1.978177
63	ACAGTGGCTAAGT	2.071654	0	0	1.297257	0	0	4.158751	0	3.523725	0	0	0	1.995435	0.376742	0.492679	0.594486	0	1.098841	0.799905		0.820674	0.062679	1.11968	0.953359	NaN	Low	0.802654	0.838294
63	ACCATCGACCGTT	0	0	4.455941	2.594514	0	0	3.119063	0	3.523725	0	0	2.988108	0	0.753483	0.492679	0.594486	0	1.322851	4.395363	2.399716	1.331996	1.221319	1.050433	0.244959	NaN	Low	0.799614	1.864379
63	ACCATCGACCGTT	0	0.037769	0	0	0	0	0	0	3.523725	0	3.246643	6.972252	0	1.506966	0.985359	0	0	2.645701	1.098841	0.799905	1.340858	-0.32584	1.175383	0.781613	NaN	Low	1.491636	1.19008
63	ACCATCGACCGTT	1.035827	1.509442	0	1.297257	0	0	1.039688	0	0	1.770725	0	2.988108	0.997717	0.376742	2.463397	0.594486	0	0	1.098841	0.399953	0.778609	-0.29644	1.062726	0.78029	NaN	Low	0.858321	0.698897
63	ATCATCGACCGTT	1.035827	3.018884	1.485314	1.297257	0	2.569832	1.039688	0	7.04745	0	0	0	0	0	0	0	0	0	0	0	0.874713	-1.32625	1.188748	0.264565	NaN	Low	1.250657	0.498768
63	ATCATGATGGGCT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.594486	1.191446	0	5.494204	0	0.364007	2.029504	1.721688	0.238483	NaN	Low	0.143235	0.584778
63	ATCATGATGGGCT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.598841	0	0.54942	3.364583	1.717769	0.050149	NaN	Low	0.097242	1.001599
63	ATCATGATGGGCT	1.035827	0	0	1.297257	0	0	0	0	0	0	0	0	0	0.376742	0	0	0	1.322851	12.08725	0	0.741133	2.924055	1.660342	0.078219	NaN	Low	0.172562	1.309705
63	ATCATGATGGGCT	0	0	0	0	0	0	0	0	0	0	0	0	0.332572	0	0	0.594486	0	0	13.18609	0	0.705657	3.393254	1.684745	0.043998	NaN	Low	0.12265	1.288665
63	CCACAGGGTAGAA	3.107481	3.018884	4.455941	1.297257	10.43753	2.569832	3.119063	5.930882	2.34915	5.312175	2.164428	7.968287	6.651449	9.418539	10.83895	6.539343	16.68024	2.645701	7.691886	6.799197	5.949811	0.251708	0.633868	0.691295	NaN	Low	5.432089	6.467533
63	GATGAAGCACTGT	2.071654	3.018884	7.426569	5.189028	3.479177	5.139665	1.039688	1.186176	4.6983	0.885362	2.164428	1.992072	1.662862	1.883708	1.478038	0.594486	3.574338	0	0	0.399953	2.394219	-2.20917	1.014382	0.029417	NaN	Low	3.937024	0.851415
63	TACAGTAGTCTGC	1.035827	0.037769	4.455941	6.486284	0	7.709497	3.119063	3.558529	12.92032	6.197537	5.411071	7.968287	2.993152	4.89764	1.478038	2.972429	0	3.968552	2.197682	1.598811	4.250372	-1.12828	0.77336	0.144583	NaN	Low	5.832574	2.668169
63	TACAGTAGTCTGC	3.107481	3.018884	5.941255	3.891771	0	0	2.372353	7.04745	3.512175	1.082214	3.984144	0.997717	1.883708	4.434115	2.972429	0	0	1.098841	3.599575		2.537206	-0.05062	0.849143	0.952466	NaN	Low	2.581711	2.4927
63	TACAGTAGTCTGC	55.93467	31.69828	71.29506	94.69975	10.43753	95.0838	28.07157	28.46823	73.99822	61.09001	37.8775	42.82955	42.2367	59.52517	53.70206	29.72429	22.63747	48.94547	24.1745	20.39759	46.64137	-1.10147	0.499778	0.02753	0.088419	OK	63.62898	29.65376
63	TACAGTAGTCTGC	4.143309	1.509442	1.485314	10.37806	10.43753	2.569832	4.158751	2.372353	4.6983	3.312175	3.246643	6.972252	4.323442	5.651124	10.34627	1.188971	2.382892	6.614253	1.098841	1.999764	4.544475	-1.35996	0.749809	0.069718	NaN	Low	6.540724	2.548227
63	TACAGTAGTCTGC	2.071654	0	1.485314	0	3.479177	2.569832	0	0	4.6983	9.738987	0	1.992072	1.995435	2.260449	1.970718	0	0	1.322851	0	0	1.679239	-2.35396	1.167215	0.043723	NaN	Low	2.809012	0.549466
63	TAGTGCAATATTG	2.071654	0	0	1.297257	0	5.139665	0	5.930882	2.34915	2.656087	1.082214	0	0.997717	8.288315	3.941436	7.728315	2.382892	0	0	7.599102	2.573234	0.499101	1.024873	0.226267	NaN	Low	2.135515	3.019353
63	TAGTGCAATATTG	30.03899	7.547211	16.33845	18.1616	34.79177	30.83799	9.357189	20.165	31.71352	7.968262	10.82214	6.972252	14.63319	13.5627	12.80967	38.64157	53.61507	31.74841	67.02929	213.9747	33.53645	2.545922	0.60291	2.41E-05	0.000653	OK	9.806246	57.26665
63	TAGTGCAATATTG	3.107481	3.018884	8.911883	5.189028	13.91671	5.139665	2.079375	21.35117	4.6983	5.312175	2.164428	0	3.990869	6.404607	9.36091	16.6456	19.06314	13.22851	40.65711	91.18922	13.77145	2.774793	0.725302	0.00013	0.001811	OK	3.511434	24.03147
63	TAGTGCAATATTG	1.035827	0	2.970628	0	10.43753	0	0	3.558529	1.174575	0.885362	3.246643	0.996036	1.33029	1.130225	1.478038	2.377943	0	0	6.593045	8.79896	2.300682	2.132351	0.777134	0.006072	NaN	Low	0.854587	3.746776
63	TATAGTAGTCTGC	6.214963	0	4.455941	0	0	10.27933	0	1.186176	3.523725	0.885362	0	0	1.33029	0.376742	0	0	0	0	0	0	1.412626	-1.64547	1.193153	0.167866	NaN	Low	2.140923	0.68433
63	TGCAAATCCATGC	5.179136	4.528326	0	6.486284	0	2.569832	1.039688	3.558529	3.523725	1.770725	3.246643	1.992072	3.325724	3.390674	0.985359	1.188971	0	2.645701	0	1.598811	2.35156	-1.09927	0.870149	0.206476	NaN	Low	3.206487	1.496633
64	ACAGTAGTCTGCA	0	0	1.485314	1.297257	0	2.569832	0	0	2.34915	7.0829	1.082214	0	0.665145	0.753483	1.478038	0	0	1.322851	1.098841	0.399953	1.079249	-0.47984	1.107317	0.664771	NaN	Low	1.257091	0.901406
64	ACAGTAGTCTGCA	166.7682	75.47211	277.7537	273.7212	86.97942	218.4358	80.05595	72.35676	182.0591	166.4481	99.56371	177.2944	113.7398	146.5525	155.6867	90.36183	47.65784	120.3794	121.9713	69.59178	137.1425	-0.54454	0.496788	0.273021	0.420624	OK	162.7217	111.5632
64	ACAGTAGTCTGCA	21.75237	13.58498	22.27971	31.13417	27.83341	56.53631	6.238126	18.97882	28.1898	29.21696	30.302	14.94054	22.28235	29.38584	32.51684	15.45663	27.40326	21.16561	5.494204	23.59721	23.91446	-0.64526	0.499498	0.196417	0.333334	OK	29.17508	18.65383
64	ACAGTAGTCTGCA	3.107481	1.509442	5.941255	7.783541	3.479177	2.569832	4.158751	0	3.523725	6.197537	1.082214	3.984144	3.990869	6.781348	12.80967	3.566914	4.765784	10.5828	1.098841	2.799669	4.48665	-1.07036	0.761956	0.160096	NaN	Low	6.078644	2.894656
64	ACTGTGCGTGTGA	0	0	4.455941	1.297257	0	0	1.039688	2.372353	0	0	1.082214	0	1.33029	1.130225	1.478038	9.511772	26.21181	5.291402	18.68029	8.399007	4.114015	1.541291	1.094923	0.159229	NaN	Low	2.10406	6.123969
64	ACTGTGCGTGTGA	0	0	0	0	0	2.569832	0	0	2.34915	0	0	0	0.332572	0	0.985359	0	2.382892	2.645701	0	1.999764	0.663264	0.521527	1.189219	0.66099	NaN	Low	0.544669	0.781858
64	ACTGTGCGTGTGA	1.035827	0.037769	0	0	10.43753	0	0	9.489411	0	0	0	0	2.66058	1.130225	7.882871	11.29523	34.55194	1.322851	12.08725	12.39853	5.516501	0.913062	1.145961	0.425587	NaN	Low	3.826867	7.206134
64	ACTGTGCGTGTGA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.95723	0	0	0		0.297862	-0.2075	0.759475	0.784683	NaN	Low	0.319246	0.276477
64	AGCTACATTTGTC	2.071654	0	2.970628	2.594514	0	0	0	0	3.523725	1.770725	14.06878	0	0.997717	0	0.492679	0.594486	0	0	5.494204	1.598811	1.808946	0.733388	1.130794	0.516622	NaN	Low	1.358813	2.25908
64	AGCTATATTGTCT	6.214963	4.528326	34.16222	5.189028	6.958353	5.139665	4.158751	5.930882	10.57117	7.968262	143.9345	3.984144	4.656014	0.753483	2.463397	4.755886	2.382892	1.322851	28.56986	20.79754	15.22211	0.619456	1.008465	NaN	NaN	Outlier	12.00342	18.4408
64	AGCTACATTTGTC	14.50158	10.56609	46.04473	19.45885	31.31259	23.12849	15.59531	26.09588	29.36437	11.50971	453.4478	11.95243	11.97261	2.260449	5.912153	14.86214	3.574338	13.22851	50.54668	69.59178	43.24632	0.420827	0.997262	NaN	NaN	Outlier	36.98329	49.50935
64	AGCTACATTTGTC	25.89568	42.26438	46.04473	41.51222	76.54189	66.81564	38.46844	36.77147	63.42705	27.44624	1928.506	9.960359	38.91098	10.92551	10.34627	23.77943	33.36049	37.03982	134.0586	181.5785	143.6827	0.110445	1.062715	NaN	NaN	Outlier	138.1856	149.1798
64	AGCTACATTTGTC	7.25079	4.528326	1.485314	1.297257	6.958353	10.27933	3.119063	2.372353	7.04745	0.885362	742.399	0.996036	4.988587	1.130225	2.463397	2.972429	0	10.5828	78.0177	40.39523	46.45845	0.235439	1.174321	NaN	NaN	Outlier	42.67597	50.24093
64	AGCTACATTTGTC	3.107481	0.037769	5.941255	6.486284	0	5.139665	3.119063	7.117058	7.04745	7.968262	349.5552	3.984144	2.993152	3.390674	4.926795	1.188971	5.95723	11.90566	8.790727	25.99693	23.53269	-0.32145	1.107267	NaN	NaN	Outlier	26.14359	20.92179
64	AGCTACATTGTCT	0	0	0	0	0	2.569832	1.039688	1.186176	0	0	66.01507	0	0.332572	0	0	0	0	1.322851	1.098841	4.799433	3.918223	-0.16563	1.166194	NaN	NaN	Low	4.142889	3.693557
64	AGCTACATTTGTC	0	0	0	0	0	0	0	0	0	7.5755	0	0	0	0	0	0	0	0	1.098841	0	0.433717	0.052421	0.846731	0.950634	NaN	Low	0.425838	0.441596
64	AGCTATATTGTCT	3.107481	0	1.485314	1.297257	3.479177	10.27933	0	5.930882	1.174575	0	27.05536	0	0	0	0	0	0.191446	0	1.098841	0.399953	2.824981	-0.93697	1.190123	0.431112	NaN	Low	3.711396	1.938565
64	AGTGCATCACAGA	3.107481	1.509442	1.485314	0	3.479177	0	7.277814	0	1.174575	0.885362	1.082214	0	0.997717	0.376742	0.492679	0.594486	1.191446	0	1.098841	0	1.237665	-1.06036	1.099738	0.334949	NaN	Low	1.673071	0.802258
64	AGTGCATCACAGA	2.071654	0	2.594514	0	5.139665	6.238126	0	2.34915	0	0	0	0.996036	1.33029	0.753483	0.492679	1.188971	1.191446	1.322851	0	0	1.283443	-2.34584	1.166252	0.044279	NaN	Low	2.144948	0.421938
64	AGTTACATTTGTC	0	3.018884	7.426569	6.486284	0	2.569832	1.039688	4.744705	3.523725	0	71.42614	0	0.332572	0.376742	0.492679	0.594486	0	0	1.098841	1.999764	5.256546	-0.98189	1.174751	NaN	NaN	Low	6.979347	3.533744
64	ATAGCCCGGTCGC	3.107481	10.56609	4.455941	5.189028	3.479177	20.55866	6.238126	13.04794	7.04745	7.0829	12.98657	4.98018	4.656014	1.130225	5.912153	3.566914	5.95723	3.968552	5.494204	0.399953	6.49124	-1.25903	0.753076	0.094553	NaN	Low	9.15662	3.82586
64	ATAGTAGTCTGCA	20.71654	9.056653	31.19159	23.35062	6.958353	15.41899	7.277814	4.744705	15.26947	2.656087	2.164428	4.98018	4.323442	3.390674	0.985359	1.188971	1.191446	0	0	0.399953	7.763265	-3.21668	1.041661	0.002015	NaN	Low	14.01858	1.507951
64	ATAGTAGTCTGCA	6.214963	6.037769	4.455941	6.486284	6.958353	2.569832	1.039688	2.372353	5.872875	0	2.164428	0.996036	1.33029	1.883708	1.478038	1.188971	1.191446	0	0	1.199858	2.672042	-1.40817	0.943389	0.135522	NaN	Low	3.881558	1.462526
64	GTGAAAATGTTTAG	90.11696	48.30215	681.759	67.45736	6.958353	10.27933	10.39688	4.744705	30.53895	13.28044	10.82214	6.972252	11.97261	3.013933	6.897512	14.26766	2.382892	3.968552	39.55827	2.399716	53.30448	-0.97236	1.092592	NaN	NaN	Outlier	70.61734	35.99163
64	GTGAAAATGTTTAG	9.322444	1.509442	5.941255	5.189028	0	2.569832	0	0	3.523725	2.656087	0	0.996036	1.995435	0	0	3.566914	0	0	0	0	1.863153	-2.16891	1.77362	0.065449	NaN	Low	3.04899	0.67803
64	GTGAAAATGTTTAG	1.035827	0	0	1.297257	0	0	1.039688	0	1.174575	0	0	0	1.662862	0.376742	0.492679	2.972429	0	0	0	0.399953	0.522601	-0.7689	1.172076	0.511816	NaN	Low	0.658658	0.386544
64	GTGAAAATGTTTAG	36.25395	12.07554	5.941255	14.26983	3.479177	0	20.79375	27.28206	11.74575	32.75841	8.657714	5.976216	47.22529	21.85101	26.60469	229.4715	2.382892	7.937103	3.296522	2.799669	26.04012	-2.41203	0.98256	NaN	NaN	Outlier	43.8426	8.237633
64	GTGAAAATGTTTAG	4.143309	1.509442	0	2.594514	0	0	2.079375	3.558529	3.523725	4.426812	1.082214	3.984144	5.321159	6.404607	4.434115	29.72429	5.95723	1.322851	1.098841	0.399953	4.078255	-2.05051	1.005168	0.041354	NaN	Low	6.570417	1.586094
64	GTGAAAATGTTTAG	39.36143	15.09442	4.455941	19.45885	3.479177	0	18.71438	30.84059	54.03045	13.28044	10.82214	7.968287	55.87217	102.4737	126.1259	260.9792	22.63747	27.77986	0	8.79896	41.10867	-2.41255	1.000909	0.015937	0.058416	OK	69.21677	13.00058
64	TCATGATGGGCTC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13.18609	0	0.659304	3.607751	1.72141	0.036099	NaN	Low	0.099962	1.218647
65	ACCATCGACCGTT	1.035827	1.509442	0	1.297257	0	0	1.039688	1.186176	0	0	2.164428	0	0.997717	2.260449	0.492679	0	0	1.322851	3.296522	21.1975	1.890027	3.347594	0.901052	0.000203	NaN	Low	0.338124	3.44193
65	ACCATCGACCGTT	4.143309	15.09442	0	14.26983	0	5.139665	5.198438	7.117058	7.04745	2.656087	3.246643	0.996036	2.328007	13.93944	5.419474	2.377943	4.765784	7.937103	24.1745	121.1857	12.35184	3.317199	0.734289	6.26E-06	0.000257	OK	2.252491	22.4512
65	ACCATCGACCGTT	0	3.018884	2.970628	1.297257	0	0	1.039688	0	9.396599	0.885362	0	0	1.662862	3.013933	0.492679	0.594486	1.191446	5.291402	6.593045	11.19868	2.432247	1.962526	0.934954	0.035811	NaN	Low	0.993314	3.871381
65	CAACAAATCACAG	0	0	1.485314	0	0	0	2.079375	1.186176	0	0	0	1.992072	1.662862	1.130225	1.970718	1.188971	1.191446	3.968552	1.098841	0.799905	0.987723	-0.20151	0.996836	0.839802	NaN	Low	1.056591	0.918855
65	CAGTAGTCTGCAC	15.53741	3.018884	35.64753	24.64788	3.479177	23.12849	10.39688	8.303235	25.84065	18.59261	5.411071	20.91675	12.30518	16.57663	11.82431	10.10626	3.574338	2.645701	9.889567	5.599338	13.37209	-0.81414	0.674804	0.22763	0.374623	OK	17.04812	9.696065
65	CAGTAGTCTGCAC	1.035827	4.528326	7.426569	7.783541	0	17.98883	2.079375	3.558529	3.523725	4.426812	1.082214	6.972252	2.328007	7.15809	8.375551	4.755886	2.382892	5.291402	3.296522	1.199858	4.75971	-1.14169	0.761346	0.133726	NaN	Low	6.550534	2.968887
65	CAGTAGTCTGCAC	5.179136	3.018884	0	3.891771	0	7.709497	1.039688	1.186176	3.523725	3.312175	1.082214	3.984144	2.993152	3.390674	4.926795	0	1.191446	2.645701	1.098841	1.199858	2.668694	-1.08882	0.865476	0.208368	NaN	Low	3.63052	1.706868
65	CAGTAGTCTGCAC	0	0	1.485314	0	0	2.569832	0	0	1.174575	0.885362	0	0	0	0.753483	2.463397	0.594486	3.574338	0	0	0.399953	0.695037	-0.84214	1.177403	0.474454	NaN	Low	0.892322	0.497752
65	CCTCCGTGTTACC	0	1.509442	7.426569	0	0	2.569832	1.039688	2.372353	0	0	0	0.997717	0.376742	0.

68	AGCTACATCTGGC	5.179136	1.509442	5.941255	3.891771	3.479177	12.84916	2.079375	3.558529	4.6983	0	176.4009	0.996036	1.33029	0.753483	1.970718	0.594486	3.574338	3.968552	9.889567	15.59816	12.91313	-0.01187	1.115347	NaN	NaN	Outlier	12.96625	12.86002
68	AGCTACATCTGGC	10.35827	4.528326	17.82377	9.080798	24.35424	2.569832	15.59531	14.23412	22.31692	7.968262	664.4795	2.988108	7.981739	1.883708	2.956077	7.728315	5.95723	11.90566	58.23856	57.59319	47.5271	0.223111	1.101911	NaN	NaN	Outlier	43.8594	51.1948
68	AGCTACATCTGGC	22.7882	33.20773	28.22096	44.10673	41.75012	43.68715	14.55563	39.14382	62.25247	15.05116	1173.12	9.960359	13.63547	7.15809	7.390192	26.75186	11.91446	27.77986	93.40147	132.3844	92.41302	0.240734	1.051683	NaN	NaN	Outlier	84.72063	100.1054
68	AGCTACATCTGGC	2.071654	10.56609	5.941255	14.26983	17.39588	15.41899	5.198438	9.489411	17.61862	3.54145	523.7917	2.988108	4.988587	3.767416	4.434115	7.728315	2.382892	17.19706	40.65711	51.5939	38.05204	0.219836	1.094489	NaN	NaN	Outlier	35.15848	40.9456
68	AGCTACATCTGGT	1.035827	6.037769	7.426569	0	6.958353	2.569832	2.079375	0	1.174575	0	33.54864	0	1.33029	0	0	0	1.191446	0	0	0.399953	3.187632	-1.52964	1.188761	0.198182	NaN	Low	4.735167	1.640096
68	AGCTATATCTGGC	5.179136	1.509442	0	5.189028	0	0	0	0	3.523725	0	16.23321	0	0	0	0	0	0	0	1.098841	0.399953	1.656667	-0.47266	1.180311	0.688821	NaN	Low	1.925647	1.387686
68	AGTTACATCTGGC	5.179136	1.509442	0	5.189028	6.958353	0	0	2.372353	3.523725	0	49.78185	0	0.997717	0	0	0	0	0	0	1.199858	3.835573	-0.98968	1.191926	NaN	NaN	Low	5.101891	2.569256
68	TACAGTAGTCTGC	0	1.509442	8.911883	3.891771	0	10.27933	2.079375	1.186176	7.04745	9.738987	5.411071	4.98018	3.325724	2.637191	2.463397	1.188971	2.382892	1.322851	2.197682	1.999764	3.627707	-0.7184	0.811315	0.375898	NaN	Low	4.512719	2.742694
68	TACAGTAGTCTGC	2.071654	1.509442	4.455941	5.189028	6.958353	2.569832	2.079375	1.186176	5.872875	9.738987	3.246643	2.988108	1.662862	2.260449	1.970718	2.972429	1.191446	3.968552	3.296522	1.999764	3.359458	-0.3465	0.713037	0.627004	NaN	Low	3.760958	2.957958
68	TACAGTAGTCTGC	66.29294	40.75494	71.29506	93.4025	52.18765	77.09497	15.59531	27.28206	70.4745	54.00711	36.79528	42.82955	39.57612	56.51124	58.62886	34.48017	21.44603	48.94547	25.27334	19.59768	47.62354	-1.12521	0.467876	0.016175	0.058852	OK	65.30771	29.93937
68	TACAGTAGTCTGC	4.143309	4.528326	5.941255	3.891771	6.958353	10.27933	2.079375	1.186176	8.222024	10.62435	2.164428	1.992072	3.658297	9.795281	8.375551	2.377943	1.191446	6.614253	4.395363	2.399716	5.040931	-0.62144	0.706415	0.379013	NaN	Low	6.110146	3.971716
68	TACAGTAGTCTGC	0	0	0	1.297257	3.479177	2.569832	1.039688	1.186176	1.174575	5.312175	0	0	1.33029	0.753483	1.970718	1.783457	2.382892	1.322851	0	2.399716	1.400114	0.05133	0.95179	0.956991	NaN	Low	1.375209	1.425019
68	TCGAATCCCAGCG	6.214963	19.62275	16.33845	20.75611	3.479177	2.569832	18.71438	13.04794	4.6983	1.770725	3.246643	6.972252	4.988587	1.506966	0	2.377943	3.574338	10.5828	5.494204	0	7.297818	-1.28463	0.948077	0.175421	NaN	Low	10.34803	4.247607
69	ACAGTAGTCTGCA	6.214963	3.018884	7.426569	10.37806	0	5.139665	4.158751	8.303235	8.222024	7.0829	5.411071	14.94054	3.990869	5.274382	6.404833	5.350372	2.382892	5.291402	4.395363	4.39948	5.889312	-0.46275	0.561968	0.410252	NaN	Low	6.825813	4.952812
69	ACAGTAGTCTGCA	153.3024	90.56653	243.5915	260.7486	100.8961	200.4469	85.25439	71.17058	185.5828	143.4287	100.6459	146.4173	120.7238	154.8408	161.5989	91.5508	58.38086	137.5765	81.31422	73.99126	133.1014	-0.81438	0.432122	0.059483	0.150935	OK	169.7016	96.50127
69	ACAGTAGTCTGCA	10.35827	21.13219	16.33845	29.83691	17.39588	33.40782	5.198438	18.97882	34.06267	25.67551	24.89093	12.94847	17.29377	29.76258	29.06809	14.26766	38.12627	27.77986	10.98841	16.79801	21.71545	-0.6353	0.487291	0.192326	0.328086	OK	26.42089	17.01001
69	ACAGTAGTCTGCA	3.107481	4.528326	2.970628	5.189028	3.479177	17.98883	6.238126	2.372353	9.396599	7.0829	5.411071	3.984144	4.323442	9.418539	7.882871	2.377943	3.574338	3.968552	2.197682	6.399244	5.594564	-0.24221	0.611344	0.691958	NaN	Low	6.0631	5.126027
69	ACAGTAGTCTGCA	2.071654	4.528326	5.941255	5.189028	0	10.27933	4.158751	4.744705	5.872875	6.197537	2.164428	2.988108	6.318876	12.05573	10.83895	0.594486	2.382892	6.614253	4.395363	5.199386	5.126797	-0.13038	0.689466	0.850015	NaN	Low	5.358296	4.895297
69	ATAGTAGTCTGCA	17.60906	7.547211	26.73565	16.86434	0	5.139665	7.277814	3.558529	16.44405	2.656087	4.328857	3.984144	4.323442	1.506966	1.970718	1.783457	0	1.322851	1.098841	0.399953	6.227582	-2.41029	0.994416	0.015358	NaN	Low	10.4831	1.972062
69	ATAGTAGTCTGCA	5.179136	6.037769	4.455941	7.783541	0	0	0	1.186176	7.04745	3.54145	0	1.992072	1.33029	1.130225	1.478038	0	0	1.322851	0	0	2.124247	-2.65066	1.149905	0.02116	NaN	Low	3.664874	0.583619
69	CGAATCCCAGCGC	7.25079	12.07554	28.22096	12.97257	3.479177	0	14.55563	9.489411	14.0949	5.312175	6.493285	11.95243	1.662862	1.506966	0.492679	2.377943	1.191446	6.614253	5.494204	0.399953	7.281858	-1.21779	0.919181	0.185216	NaN	Low	10.18484	4.378876
69	TACAGCAGGCACA	0	0	0	0	0	2.569832	0	0	0	0	0	0.996036	0	1.883708	0	0	1.191446	0	1.098841	0.399953	0.406991	0.502046	1.1915	0.673495	NaN	Low	0.336882	0.477099
69	TACAGCAGGCACA	0	0	0	0	0	0	0	0	0	1.770725	0	1.992072	0	1.883708	0.492679	0	0	2.645701	1.098841	0	0.494186	-0.05282	1.189478	0.964583	NaN	Low	0.503231	0.485141
69	TACAGCAGGCACA	1.035827	0	1.485314	1.297257	3.479177	0	1.039688	1.186176	7.04745	2.656087	1.082214	0	1.995435	1.506966	4.434115	0	1.191446	7.937103	1.098841	0	1.923655	-1.60134	1.063287	0.13206	NaN	Low	2.893648	0.953661
69	TACAGCAGGCACA	1.035827	1.509442	0	1.297257	0	2.569832	1.039688	5.930882	8.222024	4.426812	2.164428	2.988108	2.328007	4.144157	6.897512	2.972429	2.382892	10.5828	1.098841	1.999764	3.179535	-0.93246	0.82374	0.257643	NaN	Low	4.172713	2.186358
7	AGAATAGGAGGGA	0	0	0	0	0	0	0	1.186176	0	0	0	0	0	2.637191	0	0	0	0	0	0	0.191168	-0.32588	0.892989	0.71516	NaN	Low	0.212668	0.169669
7	AGAGGTAGTAGAT	20.71654	19.62275	14.85314	18.1616	6.958353	7.709497	20.79375	18.97882	17.61862	14.1658	17.31543	13.9445	18.62406	18.83708	7.882871	20.21251	20.25458	9.259954	15.38377	6.799197	15.40464	-0.65536	0.413216	0.112741	0.231108	OK	18.84454	11.96475
7	AGAGGTAGTAGAT	51.79136	61.88713	51.98598	53.18753	52.18765	43.68715	68.61939	54.56411	44.63385	78.79726	69.26171	57.77008	68.8425	91.5482	50.74598	120.6806	78.63544	85.98529	116.4771	55.99338	67.86409	0.34613	0.345303	0.316152	0.463189	OK	59.76196	75.96621
7	AGAGGTAGTAGGT	4.143309	6.037769	7.426569	0	0	0	3.119063	7.117058	8.222024	4.426812	7.5755	3.984144	5.321159	4.144157	2.956077	13.07869	1.191446	11.90566	19.77913	8.399007	5.941379	1.271898	0.66449	0.055608	NaN	Low	3.479791	8.402966
7	AGAGGTAGTAGGT	40.39726	43.77382	26.73565	16.86434	38.27094	33.40782	54.06376	43.88853	32.8881	32.75841	64.93285	37.84937	46.89271	42.94854	35.9656	104.035	33.36049	92.59954	113.1806	74.79116	50.48022	0.987492	0.454609	0.029842	0.094612	OK	33.84827	67.11217
7	AGAGGTAGTAGGT	5.179136	21.13219	2.970628	11.67531	17.39588	17.98883	12.47625	20.165	10.57117	18.59261	44.37078	74.7027	35.91782	36.92067	35.47292	38.64157	7.148676	52.91402	35.16291	22.39735	26.08982	0.122345	0.704026	0.862039	0.913365	OK	24.98424	27.19541
7	AGAGGTAGTAGGT	0	3.018884	0	0	0	2.569832	0	1.186176	0	0	8.657714	3.984144	2.993152	3.013933	3.448756	1.783457	1.191446	5.291402	1.098841	0.799905	1.951882	-0.88934	1.036288	0.390783	NaN	Low	2.535141	1.368623
7	AGAGGTAGTAGGT	19.68072	15.09442	14.85314	18.1616	3.479177	7.709497	22.87313	16.60647	23.4915	7.968262	14.06878	15.93657	16.96119	29.0091	21.18522	19.61803	26.21181	6.614253	16.48261	15.99811	16.60018	-0.0969	0.434014	0.823328	0.88528	OK	17.15746	16.0429
7	AGAGGTAGTAGGT	32.11064	95.09485	75.751	62.26833	24.35424	35.97765	81.09564	81.84617	131.5524	46.03885	46.53521	68.72648	63.52134	114.9062	131.5454	68.36586	129.8676	99.21379	154.9366	79.59059	81.16494	0.561747	0.481138	0.242993	0.390214	OK	65.55987	96.77001
7	AGAGGTAGTAGGT	3.107481	21.13219	0	6.486284	6.958353	10.27933	4.158751	9.489411	14.0949	8.853625	8.657714	22.90883	10.30975	14.31618	20.19986	7.133829	14.29735	7.937103	8.790727	5.999291	10.25555	-0.52647	0.637096	0.408597	0.554163	OK	12.1063	8.404793
7	AGAGGTAGTAGGT	0	0	0	0	0	12.84916	0	1.186176	7.04745	3.54145	5.411071	2.988108	0.332572	0.753483	1.970718	0	0	0	1.098841	2.399716	1.978937	-0.04921	1.136568	0.965465	NaN	Low	2.012684	1.945191
7	AGAGGTAGTAGGT	7.25079	3.018884	1.485314	1.297257	3.479177	51.39665	1.039688	2.372353	102.188	1.770725	41.12414	25.89693	3.990869	6.027865	6.404833	0.594486	0	2.645701	4.395363	5.199386	13.57892	-1.08956	1.077508	0.311929	0.461112	OK	18.47591	8.681932
7	AGAGGTAGTAGGT	1.035827	0	0	1.297257	0	7.709497	0	0	3.523725	0.885362	12.98657	14.94054	0.665145	0	1.970718	0	2.382892	0	0	0	2.369877	-1.9897	1.185348	0.093234	NaN	Low	3.786377	0.953376
7	AGGCAAGATGCTG	0	0	0	0	0	5.139665	0	278.7514	0	2.656087	0	0	0.332572	0	0.492679	0	0	1.322851	0	18.79778	15.37465	-0.15616	1.007421	NaN	NaN	Outlier	16.20596	14.54335
7	AGGCAAGATGCTG	0	1.509442	0	0	0	2.569832	1.039688	83.03235	0	0	0	0	0	0	0	0	0	0	0	5.199386	4.667535	-0.14452	0.935346	NaN	NaN	Low	4.901117	4.433952
7	AGGCAAGATGCTG	0	0	0	0	0	0	0	11.86176	0	0	0	0	0	0	0	0	0	0	0	0	0.593088	-0.04932	0.406075	0.903333	NaN	Low	0.603225	0.582952
7	AGGCAAGATGTTG	0	0	0	0	0	2.569832	0	20.165	0	0	0	0	0	0	0	0	0	0	0	0	1.136742	-0.16935	0.701468	0.809229	NaN	Low	1.203382	1.070101
7	AGGTAAGATGCTG	0	0	0	0	0	0	0	8.303235	0	0	0	0	0	0	0	0	0	0	0	0	0.415162	-0.05481	0.426608	0.897774	NaN	Low	0.423047	0.407277
7	AGGTAGTAGTTTG	3.107481	4.528326	2.970628	2.594514	3.479177	2.569832	0	1.186176	9.396599	0.885362	1.082214	0	0.997717	0.376742	0.492679	2.377943	0	0	7.691886	0.799905	2.226859	0.878361	0.963124	0.361774	NaN	Low	1.569158	2.88456
7	ATGCATTAAATAT	0	0	0	1.297257	0	0	0	1.186176	0	0	0	0	0	0	0	2.972429	0	0	0	0	0.272793	-0.53551	1.033507	0.604352	NaN	Low	0.322849	0.222737
7	CAAGTCACTAGTGC	1.035827	0	1.485314	0	0	0	0	0	1.174575	0	0	0.996036	1.995435	0.376742	0	0	0	1.322851	1.098841	0.799905	0.514276	0.566393	1.139021	0.619003	NaN	Low	0.414602	0.61395
7_	CAAGTCACTAGTGC	0	0	0	2.594514	0	0	0	0	3.523725	0.885362	1.082214	1.992072	1.995435	1.130225	0.492679	0	0	1.322851	2.197682	1.199858	0.920831	0.645628	1.02075	0.527058	NaN	Low	0.718159	1.123503
7	CACCGTAGAACCGA	5.179136	1.509442	4.455941	0	3.479177	0	7.277814	1.186176	5.872875	0.885362	2.164428	0	1.662862	0.376742	0.985359	0.594486	0	2.645701	5.494204	0.399953	2.208483	0.301149	0.970021	0.756214	NaN	Low	1.978817	2.438149
7	CACCGTAGAACCGA	7.25079	18.11331	20.79439	5.189028	6.958353	2.569832	14.55563	3.558529	3.523725	0	7.5755	0.996036	3.658297	1.130225	1.970718	2.972429	1.191446	1.322851	9.889567	2.799669	5.801016	0.115729	0.887572	0.89626	NaN	Low	5.568471	6.033561
7_	CAGTGTTCAGACTA	1.035827	1.509442	1.485314	6.486284	0	0	0	0	0	0.885362	0	0	0.665145	0	0	0	0	0	0	0	0.603369	-1.17749	1.180344	0.318483	NaN	Low	0.83678	0.369958
7	CGAACCCCACTCCT	1.035827	12.07554	4.455941	6.486284	3.479177	0	0	1.186176	5.872875	1.770725	0	2.988108	2.328007	0.376742	2.956077	0.594486	0	6.614253	0	0	2.611011	-2.8287	1.138978	0.013008	NaN	Low	4.577672	0.64435
7	CGAGTCACGGCAC	67.32877	81.50988	562.9339	134.9147	27.83341	66.81564	151.7944	17.79265	169.1388	99.1606	23.80871	46.81369	27.27094	7.15809	8.375551	10.70074	8.340122	25.13416	13.18609	1.999764	77.60053	-2.65604	0.959455	NaN	NaN	Outlier	133.9494	21.25164
7	CGAGTCACGGCAC	5.179136	30.18884	102.4867	29.83691	27.83341	2.569832	33.27001	4.744705	90.44227	8.853625	3.246643	4.98018	1.995435	0.376742	0.985359	1.188971	0	6.614253	3.296522	0.399953	17.92447	-2.17768	1.084883	0.044718	0.122347	OK	29.35959	6.489356
7	CGAGTCACGGCAC	19.68072	18.11331	147.0461	62.26833	135.6879	5.139665	22.87313	14.23412	190.2811	14.1658	1.082214	11.95243	1.662862	0.376742	22.66326	10.10626	1.191446	9.259954	9.889567	0	34.88374	-1.92315	1.082243	0.075567	0.17573	OK	55.20986	14.55762
7	GGTAGTAGGTTGTA	3.107481	6.037769	7.426569	9.080798	0	0	1.039688	3.558529	0	0	0	1.992072	0.997717	0.753483	0.985359	0	1.191446	0	4.395363	0.399953	2.048311	0.131645	1.071451	0.902213	NaN	Low	1.954922	2.1417
7	TAAACATCCCCGAC	0	1.509442	1.485314	1.297257	0	0	1.039688	0	1.174575	0.885362	1.082214	6.972252	0.997717	0.376742	0.492679	1.783457	0	1.322851	0	0.399953	1.040975	-1.36919	1.109497	0.217179	NaN	Low	1.500928	0.581022
7	TAAACATCCCCGAC	0	1.509442	2.970628	3.891771	0	2.569832	1.039688	4.744705	0	0.885362	2.164428	1.992072	2.328007	0.753483	0	1.188971	0	6.614253	0	0	1.632632	-2.56137	1.154004	0.026449	NaN	Low	2.792222	0.473042
7	TAAACATCCCCGAC	0	0	2.970628	0	0	0	0	2.372353	1.174575	0.885362	1.082214	0	2.993152	0.753483	0.492679	2.972429	0	0	1.098841	0	0.839786	-0.73233	1.139733	0.52052	NaN	Low	1.048467	0.631105
7_	TAAACATCCCCGAC	2.071654	1.509442	10.3972	9.080798	3.479177	0	1.039688	2.372353	1.174575	0.885362	0	5.976216	4.323442	2.637191	0.985359	3.566914	0	1.322851	1.098841	0.799905	2.636048	-1.26218	0.961128	0.189105	NaN	Low	3.720833	1.551263
7	TAAACATCCCCGAC	0	1.509442	5.941255	0	0	0	0	3.558529	0	0.885362	0	0	1.995435	0	1.970718	4.1614	0	0	0	0	1.001107	-1.5813	1.193417	0.185164	NaN	Low	1.500708	0.501506
7	TAAACATCCCCGAC	10.35827	18.11331	34.16222	15.56708	6.958353	7.709497	12.47625	23.72353	8.222024	7.0829	14.06878	14.94054	24.61036	8.288315	8.375551	26.15737	4.765784	11.90566	5.494204	2.399716	13.26899	-1.82796	0.641409	0.004373	0.023059	OK	20.70588	5.83209
7_	TAAACATCCCCGAC	32.11064	51.32103	109.9132	101.186	73.06271	56.53631	42.62719	90.1494	55.20502	25.67551	66.01507	48.80576	90.79228	31.64629	27.09737	37.4526	34.55194	56.88257	47.25016	19.99764	54.91394	-0.7478	0.501977	0.1363	0.259444	OK	68.83558	40.9923
7	TAAACATCCCCGAC	0	0	4.455941	3.891771	3.479177	5.139665	3.119063	0	4.6983	0	6.493285	0	3.990869	1.130225	3.448756	1.188971	0	0	1.098841	0	2.106743	-1.50213	1.098964	0.171668	NaN	Low	3.11411	1.099377
7	TAAACATCCCCGAC	0	0	0	1.297257	3.479177	0	1.039688	1.186176	0	0.885362	2.164428	2.988108	7.981739	1.130225	1.970718	1.188971	0	0	0	0	1.265592	-2.26744	1.171349	0.052899	NaN	Low	2.095875	0.43531
7_	TAAACATCCTCGAC	0	0	2.970628	0	3.479177	0	0	0	0	4.426812	2.164428	0.996036	0.665145	1.506966	0	0.594486	0	1.322851	0	0.399953	0.926324	-1.08791	1.159404	0.348071	NaN	Low	1.259927	0.592722
7	TAAACATCCTCGAC	14.50158	9.056653	10.3972	11.67531	13.91671	28.26816	17.67469	10.67559	10.57117	20.36334	7.5755	4.98018	5.321159	16.57663	4.926795	1.188971	30.9776	11.90566	2.197682	11.19868	12.19746	-0.73773	0.693016	0.287092	0.436167	OK	15.24986	9.14506
7	TAAAGTGCTTATAG	19.68072	1.509442	2.970628	16.86434	3.479177	0	0	3.558529	2.34915	4.426812	3.246643	10.9564	14.30062	18.46034	2.956077	8.917286	2.382892	2.645701	2.197682	7.999055	6.445074	-0.31237	0.886005	0.724416	NaN	Low	7.140105	5.750043
7	TAAAGTGCTTATAG	59.04215	57.3588	10.3972	47.99851	80.02106	46.25698	14.55563	39.14382	30.53895	26.56087	55.19293	166.338	80.8151	85.52034	131.5454	55.88166	29.78615	35.71697	49.44784	91.58918	59.68538	0.249733	0.636377	0.694741	0.793759	OK	54.53241	64.83835
7	TAAAGTGCTTATAG	4.143309	0	0	2.594514	3.479177	0	0	1.186176	0	0.885362	1.082214	4.98018	8.314311	3.390674	10.83895	1.783457	0	0	2.197682	3.199622	2.403781	0.07516	1.045355	0.942682	NaN	Low	2.341181	2.466382
7	TAAAGTGCTTATAG	13.46575	0	1.485314	2.594514	0	0	1.039688	0	1.174575	0	0	0.996036	0.665145	0.376742	0.985359	2.972429	0	0	0	0.399953	1.307775	-1.35826	1.168322	0.245003	NaN	Low	1.881619	0.733931
7_	TAAAGTGCTTATAG	14.50158	0	5.941255	3.891771	3.479177	0	0	1.186176	4.6983	1.770725	0	3.984144	3.325724	1.130225	2.463397	1.783457	0	0	0	0.399953	2.427794	-2.06079	1.105605	0.06233	NaN	Low	3.916791	0.938798
7	TAAAGTGTTTATAG	5.179136	0	0	0	0	0	0	0	0	0	0	0	0.665145	0.376742	0	0	0	0	0	0	0.311051	-0.55571	1.043093	0.594207	NaN	Low	0.370228	0.251875
7	TAAAGTGTTTATAG	45.57639	15.09442	11.88251	32.43142	38.27094	10.27933	2.079375	21.35117	11.74575	3.54145	4.328857	6.972252	5.653732	16.95337	5.419474	5.944857	3.574338	1.322851	3.296522	5.199386	12.54592	-1.35722	0.839333	0.105874	0.221755	OK	18.04735	7.044492
7_	TAAAGTGTTTATAG	5.179136	6.037769	0	10.37806	0	0	0	3.558529	1.174575	0	3.246643	3.984144	1.662862	0	0.492679	0.594486	0	1.322851	0	0	1.881586	-2.29384	1.170985	0.050125	NaN	Low	3.125734	0.637438
7	TAGCTTATCAGACT	16.57323	0	22.27971	7.783541	10.43753	23.12849	2.079375	0	4.6983	2.656087	2.164428	0.996036	2.66058	0.376742	1.478038	2.972429	2.382892	0	1.098841	0.399953	5.20831	-1.96875	1.063527	0.064148	NaN	Low	8.296963	2.119658
7	TAGCTTATCAGACT	2.071654	1.509442	4.455941	2.594514	0	0	2.079375	0	0	6.197537	0	1.992072	0	1.130225	0.492679	1.188971	0	0	1.098841	0	1.240563	-0.98574	1.13456	0.384942	NaN	Low	1.648623	0.832502
7	TAGCTTATCAGACT	4.143309	0	13.36782	2.594514	0	0	1.039688	0	1.174575	1.770725	1.082214	0	1.995435	0.376742	0.492679	0	1.191446	0	0	0.399953	1.481455	-1.48436	1.153036	0.197973	NaN	Low	2.182771	0.780139
7	TAGCTTATCAGACT	0	1.509442	7.426569	0	3.479177	0	3.119063	0	4.6983	4.426812	4.328857	3.984144	3.990869	1.506966	1.970718	0	0	1.322851	1.098841	1.199858	2.203123	-0.77343	0.984186	0.431948	NaN	Low	2.779926	1.626321
7	TAGCTTATCAGACT	0	1.509442	1.485314	0	0	0	0	1.174575	2.656087	3.246643	0	3.658297	0.376742	0.492679	0.594486	1.191446	0	0	0.399953		0.839283	-1.15462	1.148522	0.314748	NaN	Low	1.158283	0.520283
7	TAGCTTATCAGACT	8.286617	1.509442	7.426569	5.189028	0	7.709497	7.277814	2.372353	2.34915	5.312175	4.328857	5.976216	1.995435	0.753483	3.448756	1.188971	1.191446	1.322851	0	0	3.381933	-3.43358	1.097064	0.001749	NaN	Low	6.190882	0.572984
7_	TAGCTTATCAGACT	26.93151	25.66052	57.92724	45.40399	13.91671	48.82682	53.02407	20.165	17.61862	51.35102	27.05536	20.91675	31.26181	24.86494	47.78991	25.56289	42.89206	15.87421	12.08725	11.99858	31.05646	-1.40349	0.481139	0.003534	0.019796	OK	45.07424	17.03869
7	TAGCTTATCAGACT	66.29294	72.45322	160.4139	75.2409	13.91671	113.0726	99.81002	26.09588	45.80842	167.3335	81.16607	59.76216	92.78771	53.4973	74.3946	43.39746	78.63544	21.16561	24.1745	42.79494	70.61069	-1.07482	0.582837	0.065165	0.157685	OK	95.76091	45.46048
7_	TAGCTTATCAGACT	423.6533	656.6073	769.3925	472.2015	198.3131	709.2738	585.3442	257.4003	359.4199	1213.832	679.6305	536.8634	589.3184	641.2142	1044.973	495.2066	1049.664	281.7672	257.1288	374.7557	579.798	-0.90503	0.488103	0.063715	0.155888	OK	755.9182	403.6778
7_	TAGCTTATCAGACT	1142.517	2073.973	2842.891	3981.281	2094.464	5707.598	2961.03	2154.096	2174.138	3870.805	4780.14	984.0835	2014.391	2497.797	4332.13	1725.792	7260.672	1656.209	1428.493	1184.66	2843.358	-1.14063	0.536023	0.033342	0.101436	OK	3912.262	1774.455
7_	TAGCTTATCAGACT	90.11696	140.3781	197.5467	236.1008	212.2298	390.6145	162.1913	228.932	137.4253	226.6528	295.4445	67.73044	161.6302	198.9196	552.7864	163.4836	589.7658	125.6708	136.2563	112.7867	221.3331	-0.84499	0.563812	0.133948	0.255955	OK	284.3594	158.3069
7_	TAGCTTATCAGACT	70.43625	60.37769	71.29506	538.3616	208.7506	388.0447	84.2147	75.91529	159.7422	93.84842	192.6341	40.83747	63.18876	63.66933	169.9744	81.44455	214.4603	62.17398	123.0702	33.59603	139.8018	-0.81433	0.7135	0.253739	0.40094	OK	178.2421	101.3615
7_	TAGCTTATCAGACT	788.2645	1664.915	1189.736	2549.11	1628.255	4725.922	2352.813	1399.688	1674.944	1962.849	3743.379	1659.396	2413.478	1558.58	3427.078	1197.889	5407.974	829.4273	1341.685	688.7186	2110.205	-1.07035	0.555781	0.054125	0.141557	OK	2858.959	1361.451
7	TAGCTTATCAGACT	0	1.509442	0	1.297257	0	10.27933	1.039688	1.186176	1.174575	1.770725	9.739928	0	1.33029	4.89764	1.970718	0.594486	19.06314	2.645701	0	0.799905	2.96495	-1.7592	1.094828	0.108092	NaN	Low	4.577619	1.352281
7_	TAGCTTATCAGACT	3.107481	7.547211	13.36782	1.297257	0	46.25698	21.83344	4.744705	1.174575	7.968262	55.19293	0	2.66058	19.59056	0.492679	4.755886	164.4196	7.937103	16.48261	15.99811	19.74139	-0.217	1.081563	NaN	NaN	Outlier	21.2233	18.25948
7_	TAGCTTATCAGACT	0	0	0	0	0	2.569832	2.079375	1.186176	0	0.885362	2.164428	0	0.332572	3.390674	0	0	10.72301	0	3.296522	0.799905	1.371393	0.374941	1.16082	0.746698	NaN	Low	1.194184	1.548602
7	TAGCTTATCAGACT	0	0	0	0	0	2.569832	0	0	0	0.885362	2.164428	0	0	1.883708	0.492679	0	4.765784	0	0	0.799905	0.678085	-0.30306	1.193367	0.79953	NaN	Low	0.749046	0.607124
7	TAGCTTATCAGACT	0	0	0	1.297257	3.479177	2.569832	1.039688	0	1.174575	0	1.082214	0	0.997717	1.506966	0	0	7.148676	2.645701	1.098841	0.799905	1.242028	-0.21531	1.098513	0.844609	NaN	Low	1.334537	1.149518
7	TAGCTTATCAGACT	0	0	0	0	3.479177	7.709497	1.039688	1.186176	0	1.770725	0	0	0.332572	1.130225	0	1.188971	5.95723	0	0	0	1.189713	-1.81452	1.190029	0.127316	NaN	Low	1.852705	0.526721
7	TAGCTTATCAGACT	3.107481	3.018884	0	1.297257	0	17.98883	4.158751	0	0	1.770725	2.164428	0	0.997717	2.637191	0.985359	0	20.25458	3.968552	0	3.199622	3.277469	-0.63324	1.112798	0.569319	NaN	Low	3.98543	2.569508
7	TAGCTTATCAGACT	0	0	0	0	0	28.26816	1.039688	3.558529	4.6983	0	0	0	0.332572	0	0	0	0	0	0	0	1.894862	-0.86359	1.138688	0.448206	NaN	Low	2.445643	1.344082
7_	TCAGGCTCAGTCCC	24.85985	12.07554	43.0741	33.72868	6.958353	0	18.71438	36.77147	11.74575	24.79015	14.06878	11.95243	13.96804	9.041798	6.897512	22.59046	13.10591	10.5828	43.95363	28.39664	19.36381	0.958496	0.602598	0.111699	0.229447	OK	13.15797	25.56966
7	TCAGGCTCAGTCCC	4.143309	3.018884	4.455941	2.594514	0	0	4.158751	8.303235	3.523725	7.0829	2.164428	3.984144	4.323442	2.637191	1.970718	2.972429	5.95723	3.968552	1.098841	4.799433	3.557883	-0.13955	0.635752	0.826253	NaN	Low	3.729829	3.385938
7	TCAGGCTCAGTCCC	6.214963	3.018884	2.970628	6.486284	13.91671	0	2.079375	10.67559	0	9.738987	4.328857	2.988108	2.993152	5.274382	11.33163	7.728315	5.95723	0	0	5.599338	5.065121	-0.64287	0.836263	0.442047	NaN	Low	6.17533	3.954913
7_	TCAGGCTCAGTCCC	0	1.509442	1.485314	0	0	0	0	0	1.174575	4.426812	0	0	0.332572	0	0.492679	0	0	0	0	0.399953	0.491067	-0.51259	1.192534	0.667315	NaN	Low	0.5774	0.404735
7	TCAGGCTCAGTCCC	0	0	0	3.891771	0	0	2.079375	1.186176	1.174575	4.426812	1.082214	1.992072	2.66058	0.376742	2.463397	1.783457	1.191446	0	1.098841	0.799905	1.310368	-0.56631	0.971648	0.560002	NaN	Low	1.564301	1.056435
7	TCAGGCTCAGTCCC	12.42993	13.58498	22.27971	19.45885	6.958353	23.12849	10.39688	22.53735	4.6983	22.13406	16.23321	10.9564	16.96119	21.09753	23.64861	25.56289	13.10591	14.55136	9.889567	10.79872	16.02061	-0.68304	0.444035	0.123988	0.246079	OK	19.74376	12.29747
7_	TCAGGCTCAGTCCC	4.143309	1.509442	0	1.297257	6.958353	0	3.119063	5.930882	4.6983	7.0829	2.164428	0.996036	1.662862	3.013933	9.36091	2.377943	1.191446	1.322851	2.197682	3.999527	3.151356	0.000255	0.782935	0.99974	NaN	Low	3.151077	3.151635
7	TCAGGCTCAGTCCC	2.071654	3.018884	5.941255	0	0	10.27933	1.039688	1.186176	1.174575	6.197537	6.493285	1.992072	3.325724	3.390674	7.882871	2.972429	2.382892	1.322851	1.098841	1.199858	3.14853	-1.3066	0.853584	0.125838	NaN	Low	4.484214	1.812846
7	TCAGGCTCAGTCCC	11.3941	12.07554	31.19159	24.64788	10.43753	5.139665	8.317501	46.26088	9.396599	46.92421	11.90436	9.960359	12.30518	12.43247	11.33163	9.511772	8.340122	7.937103	14.28493	12.39853	15.8096	-0.26104	0.642708	0.684631	0.786767	OK	17.23598	14.38321
7_	TCAGGCTCAGTCCC	0	1.509442	1.485314	0	0	0	0	1.186176	1.174575	4.426812	0	2.988108	1.662862	3.013933	2.463397	1.188971	1.191446	0	2.197682	0.799905	1.264431	-0.0466	0.960088	0.961291	NaN	Low	1.284849	1.244013
7	TCAGGCTCAGTCCC	0	1.509442	0	1.297257	3.479177	2.569832	1.039688	4.744705	0	7.0829	1.082214	0.996036	1.33029	0.753483	1.970718	4.1614	0	1.322851	0	0.799905	1.706995	-1.32999	1.038201	0.200174	NaN	Low	2.442455	0.971535
7	TCAGGCTCAGTCCC	1.035827	0	7.426569	2.594514	0	0	2.079375	2.372353	0	5.312175	2.164428	0.996036	0.997717	0.753483	0	3.566914	7.148676	1.322851	4.395363	4.799433	2.348286	0.941468	0.897672	0.294275	NaN	Low	1.60815	3.088422
7_	TCAGGCTCAGTCCT	4.143309	4.528326	16.33845	1.297257	0	0	0	5.930882	4.6983	0.885362	2.164428	0	0	0.753483	0.492679	0.594486	0	0	0	0.399953	2.111346	-1.65802	1.161495	0.153439	NaN	Low	3.206605	1.016087
7	TCAGGCTCAGTCTC	5.179136	3.018884	8.911883	2.594514	0	0	1.039688	1.186176	0	1.770725	0	0	0.332572	0.376742	0	0	0	0	0	0	1.220516	-1.77918	1.191028	0.135224	NaN	Low	1.890295	0.550737
7	TCAGGCTCAGTCTC	3.107481	1.509442	14.85314	15.56708	0	0	1.039688	2.372353	0	0.885362	2.164428	0	0.665145	0	0	1.783457	0	1.322851	0	0.399953	2.283519	-1.65468	1.168021	0.156583	NaN	Low	3.46616	1.100878
7_	TCAGGCTCAGTTCC	3.107481	1.509442	5.941255	7.783541	0	0	1.039688	0	2.34915	0	0	0.996036	0.997717	0.753483	0	0	0	1.322851	0	0	1.290032	-2.02312	1.183078	0.087258	NaN	Low	2.070634	0.50943
7	TGAGGTAGGAGGT	0	12.07554	1.485314	3.891771	0	2.569832	8.317501	3.558529	3.523725	5.312175	6.493285	2.988108	3.990869	2.637191	3.941436	6.539343	7.148676	3.968552	9.889567	4.799433	4.656542	0.606485	0.620001	0.327976	NaN	Low	3.69194	5.621144
7	TGAGGTAGGAGGT	49.7197	70.94378	47.53004	27.24239	90.45859	48.82682	69.65907	64.05352	32.8881	55.77784	72.50835	25.89693	55.5396	52.36708	56.16546	73.12175	48.84929	100.5366	180.2099	69.99173	64.61433	1.075124	0.404291	0.007831	0.03602	OK	41.59404	87.63462
7_	TGAGGTAGGAGGT	0	1.509442	1.485314	0	3.479177	0	1.039688	0	0	0	0	0.996036	0.665145	1.130225	0.985359	1.188971	2.382892	9.259954	3.296522	0.799905	1.410932	0.460541	1.028614	0.654348	NaN	Low	1.187624	1.634239
7	TGAGGTAGGAGGT	5.179136	18.11331	1.485314	0	10.43753	10.27933	11.43656	16.60647	7.04745	3.54145	10.82214	6.972252	10.30975	19.21382	32.51684	19.61803	11.91446	26.45701	26.37218	17.99787	13.31605	0.738772	0.704638	0.294435	0.444715	OK	9.979219	16.65287
7	TGAGGTAGGAGGT	2.071654	0	0	0	3.479177	0	0	0	0	0	0	0	1.662862	2.637191	5.419474	0.594486	0	2.645701	5.494204	2.799669	1.340221	1.354712	1.116517	0.225001	NaN	Low	0.753471	1.926971
7_	TGAGGTAGGAGGT	1.035827	1.509442	0	0	0	0	2.079375	1.186176	0	0.885362	2.164428	0	0.997717	1.130225	4.434115	1.783457	2.382892	5.291402	8.790727	1.999764	1.783546	1.503323	0.865768	0.082492	NaN	Low	0.930153	2.636938
7	TGAGGTAGGAGGT	10.35827	54.33992	20.79439	0	0	55.66683	38.54749	28.07157	22.53735	9.396599	23.90479	75.755	5.976216	49.88587	34.66022	54.68742	45.18092	30.9776	54.23687	129.6632	35.59579	39.01182	1.13675	0.743169	0.126116	0.246727	OK	24.39114	53.63249
7	TGAGGTAGGAGGT	0	4.528326	0	1.297257	6.958353	7.709497	4.158751	8.303235	1.174575	0.885362	6.493285	1.992072	4.656014	2.637191	3.448756	1.783457	3.574338	1.322851	14.28493	2.799669	3.900396	1.189887	0.748911	0.1121	NaN	Low	2.377312	5.42348
7_	TGAGGTAGTAGAT	3.107481	0	14.85314	1.297257	0	2.569832	0	0	1.174575	3.54145	0	0	0	0	0	0.594486	0	0	0	0	1.356911	-1.31852	1.188188	0.267133	NaN	Low	1.937136	0.776686
7	TGAGGTAGTAGAT	2.071654	1.509442	7.426569	0	3.479177	2.569832	1.039688	0	2.34915	0.885362	1.082214	1.992072	0.332572	0	0	0	0	0	1.098841	0.399953	1.311826	-0.52244	1.113961	0.639078	NaN	Low	1.546786	1.076866
7	TGAGGTAGTAGAT	8.286617	1.509442	4.455941	0	0	2.079375	0	2.34915	0.885362	0	0.996036	1.33029	0.376742	0	0.594486	0	0	1.098841	0.799905		1.238109	-0.3178	1.10559	0.77377	NaN	Low	1.373927	1.102292
7_	TGAGGTAGTAGAT	643.2487	667.1734	542.1395	525.389	243.5424	272.4022	553.1138	421.0926	405.2283	625.9513	584.3957	494.0338	588.9858	533.4661	311.3734	730.0285	401.5173	441.8321	510.961	340.3598	491.8117	-0.23073	0.332055	0.487141	0.625418	OK	531.0563	452.5672
7	TGAGGTAGTAGAT	427.7966	1204.535	436.6823	612.3053	563.6266	866.0335	649.8048	552.7582	401.7046	586.11	1356.014	1366.561	1663.195	1051.109	818.8333	916.697	526.6192	570.1486	605.4613	395.5533	778.5774	-0.66762	0.466708	0.152574	0.279481	OK	955.578	601.5769
7	TGTACATCCCCGAC	5.179136	0	2.970628	3.891771	3.479177	0	2.079375	5.930882	2.34915	0	3.246643	0.996036	2.66058	0.753483	0.985359	1.783457	0	1.322851	0	0.399953	1.901424	-1.99284	1.051004	0.057942	NaN	Low	3.039256	0.763592
7_	TGTGACTGGTTGA	0	0	0	1.297257	0	0	0	0	0	0	0	0.996036	0	1.506966	0.492679	0	0	0	58.23856	0	3.126575	4.388585	1.552808	0.00471	NaN	Low	0.284937	5.968213
7	TGTGACTGGTTGA	1.035827	0	1.485314	0	0	0	0	1.186176	0	0	1.082214	0	0.376742	0	0	0	1.322851	127.4655	0.399953		6.717731	5.66146	1.324223	1.91E-05	NaN	Low	0.260307	13.17515
7	TGTGACTGGTTGA	0	0	0	1.297257	0	2.569832	1.039688	0	0	0	0	0	0.665145	0	0.985359	0.594486	0	0	30.76754	0.399953	1.915963	3.965733	1.102501	0.000322	NaN	Low	0.2305	3.601427
7_	TGTGACTGGTTGA	0	0	0	0	0	0	0	0	0	0	1.082214	0	0.332572	0.376742	1.478038	0.594486	0	0	13.18609	0	0.852507	2.962414	1.179653	0.01203	NaN	Low	0.193878	1.511136
7	TGTGACTGGTTGA	0	0	0	0	6.958353	0	0	0	0	0	0	0	0	0	0	0	0	0	9.889567	0	0.842396	0.505427	0.615448	0.411513	NaN	Low	0.696326	0.988466
7	TGTGACTGGTTGA	1.035827	0	1.485314	0	0	0	0	0	1.174575	0	0	0	0	0	1.970718	0.594486	2.382892	2.645701	38.45943	0.399953	2.507445	3.589681	1.122424	0.001383	NaN	Low	0.384598	4.630292
7_	TGTGACTGGTTGA	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0.492679	1.188971	0	0	17.58145	0.399953	1.00199	3.774128	1.505927	0.012204	NaN	Low	0.136499	1.867481
7	TGTGACTGGTTGA	0	0	0	0	0	0	0	0	0	0	0	0	0.332572	0	0	0.594486	0	1.322851	68.12813	0	3.518902	5.148295	1.544928	0.000861	NaN	Low	0.193005	6.844799
7	TGTGACTGGTTGA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.594486	1.191446	1.322851	51.64552	0	2.737715	4.506319	1.594181	0.004703	NaN	Low	0.23077	5.24466
70	ACAACAAATCCCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.799669	0.139983	1.763912	1.524861	0.247367	NaN	Low	0.063684	0.216283
70	ACAGCAGGCACAC	0	0	0	0	0	0	0	0	0.885362	0	0.996036	0	1.883708	0.492679	0	0	0	0	0	0	0.212889	-0.72817	1.106536	0.5105	NaN	Low	0.265502	0.160276
70	ACAGCAGGCACAC	1.035827	0	1.485314	0	0	5.139665	2.079375	2.372353	2.34915	0	0	3.984144	0.332572	2.260449	3.448756	2.972429	1.191446	2.645701	0	1.599811	1.64485	-0.65271	0.971113	0.501501	NaN	Low	2.010717	1.278982
70	CAGTAGTCTGCAC	0	0	0	2.594514	0	0	1.039688	0	1.174575	0	0	4.98018	0.332572	1.506966	0	0.594486	1.191446	0	0	0	0.670721	-1.6153	1.193246	0.17583	NaN	Low	1.011344	0.330099
70	CAGTAGTCTGCAC	18.64489	9.056653	43.0741	28.53965	6.958353	30.83799	8.317501	5.930882	31.71352	17.70725	8.657714	15.93657	11.97261	13.18596	8.375551	6.539343	2.382892	9.259954	5.494204	3.599575	14.30926	-1.60032	0.7037	0.022957	0.077255	OK	21.52084	7.097676
70	CAGTAGTCTGCAC	7.25079	1.509442	8.911883	9.080798	0	10.27933	5.198438	4.744705	9.396599	1.770725	2.164428	2.988108	6.318876	4.520899	10.83895	4.1614	2.382892	2.645701	8.790727	0.799905	5.18773	-0.3008	0.719108	0.675733	NaN	Low	5.726592	4.648868
70	CAGTAGTCTGCAC	2.071654	1.509442	1.485314	5.189028	0	12.84916	3.119063	2.372353	3.523725	6.197537	1.082214	4.98018	2.66058	4.144157	4.434115	2.972429	0	1.322851	1.098841	1.599811	3.130623	-1.05483	0.790752	0.182218	NaN	Low	4.226704	2.034541
70	CAGTAGTCTGCAC	0	6.037769	0	6.486284	3.479177	2.569832	0	1.186176	2.34915	1.770725	0	0.996036	1.662862	4.89764	1.478038	1.783457	1.191446	2.645701	1.098841	1.999764	2.081645	-0.28891	0.899166	0.747976	NaN	Low	2.289383	1.873907
70	CTACATCTGGCTA	0	0	2.970628	0	0	0	0	0	0	0	5.411071	0	0	0.376742	0	0	0	0	0	0.399953	0.45792	-0.28607	1.085575	0.792153	NaN	Low	0.503171	0.412668
70	TAACAGTCTCCAG	1.035827	0	0	1.297257	0	0	0	0	2.34915	0	0	0	0.332572	0.376742	4.926795	0.594486	0	0	0	0	0.545641	-1.39345	1.191221	0.242095	NaN	Low	0.790411	0.300872
70	TAACAGTCTCCAG	0	1.509442	0	0	0	0	1.039688	0	0	0	1.082214	0	0	0.376742	4.926795	1.188971	0	1.322851	1.098841	0	0.627277	-0.30069	1.190555	0.800607	NaN	Low	0.692411	0.562144
70	TCGTGTCTTGTGT	0	0	1.485314	0	0	0	0	0	0	0	0	0	0.332572	0	0.492679	0	0	1.322851	0	3.199622	0.341652	1.729619	1.192381	0.146903	NaN	Low	0.158304	0.525
70	TTGCATATGTAGG	0	0	0	0	0	0	0	8.222024	0	0	0	0	0	0	0	0	0	0	0	0	0.411101	-0.05499	0.427258	0.897596	NaN	Low	0.418935	0.403268
71	AAAAGCTGGGTTC	1.035827	0	0	1.297257	0	0	0	1.186176	1.174575	0	0	0.996036	0.997717	1.130225	0	1.783457	0	0	1.098841	3.199622	0.694987	1.463711	1.020647	0.151544	NaN	Low	0.369854	1.020119
71	AAAAGCTGGGTTC	55.93467	1.509442	10.3972	9.080798	24.35424	15.41899	27.03188	60.49499	3.523725	6.197537	6.493285	17.92865	13.63547	6.404607	3.448756	23.18494	8.340122	9.259954	50.54668	54.39357	20.37898	1.454514	0.786379	0.064366	0.157092	OK	10.89598	29.86197

71_AAAAGCTGGGTTC	1.035827	3.018884	0	0	6.958353	0	5.198438	7.117058	1.174575	2.656087	2.164428	3.984144	1.662862	1.506966	1.478038	1.783457	0	1.322851	1.098841	1.599811	2.188031	-0.51989	0.868443	0.54941	NaN	Low	2.578058	1.798004
71_AAAAGCTGGGTTC	6.214963	0	0	0	0	0	1.039688	7.117058	0	0	2.164428	0.996036	1.662862	0.376742	0	1.188971	1.191446	3.968552	2.197682	2.399716	1.525907	0.479828	1.061018	0.651101	NaN	Low	1.274469	1.777345
71_AGTAGTCTGCACA	0	0	8.911883	1.297257	0	0	1.039688	2.372353	0	0	0	0	0	0.376742	0.492679	0	0	0	0	0.399953	0.744528	-0.68514	1.189518	0.564628	NaN	Low	0.918068	0.570988
71_CAACAAATCCCAG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.199622	0.159981	1.915538	1.561214	0.21984	NaN	Low	0.067042	0.25292
72_CACCAACCTGGAG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.799669	0.139983	1.763912	1.524861	0.247367	NaN	Low	0.063684	0.216283
72_CACCAACCTGGAC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.296522	2.399716	0	0.284812	3.534392	1.701475	0.037778	NaN	Low	0.045256	0.524368
75_CAACCTGGAGGAG	0	0	0	0	0	0	0	0	0	0	0	0	0	1.130225	1.478038	0	0	0	20.87798	19.19773	2.134199	4.592695	1.424306	0.001262	NaN	Low	0.16986	4.098537
76_ACCACTGACCGTT	0	0	0	1.297257	3.479177	2.569832	1.039688	1.186176	10.57117	4.426812	1.082214	0.996036	1.330329	3.390674	2.956077	1.783457	1.191446	3.968552	14.28493	0.799905	2.817685	1.383416	0.892229	0.121017	NaN	Low	1.56154	4.07383
76_ACCACTGACCGTT	0	1.509442	2.970628	1.297257	13.91671	0	0	1.186176	3.523725	3.54145	2.164428	1.992072	0.332572	3.013933	0	2.377943	3.574338	5.291402	12.08725	1.199858	2.998959	1.201129	0.924536	0.193886	NaN	Low	1.817994	4.179924
79_ACTGGCGCGTGGC	5.179136	0	2.970628	1.297257	0	0	0	1.186176	1.174575	0.885362	0	0.996036	0.332572	0.376742	0	3.566914	0	1.322851	1.098841	1.199858	1.079347	0.05302	1.059085	0.960073	NaN	Low	1.059516	1.099178
79_ACTGGCGCGTGGC	9.322444	0	1.485314	0	0	0	1.039688	2.372353	5.872875	0.885362	1.082214	2.988108	1.662862	1.130225	0.985359	7.728315	1.191446	3.968552	3.296522	5.599338	2.530549	0.754005	0.88086	0.392005	NaN	Low	1.883923	3.177175
79_ACTGGCGCGTGGC	4.143309	1.509442	0	1.297257	3.479177	0	1.039688	0	4.6983	0	0	0	0.332572	0	1.478038	4.755886	0	0	0	1.599811	1.216674	-0.29143	1.154652	0.800736	NaN	Low	1.339144	1.094204
79_ACTGGCGCGTGGC	13.46575	4.528326	7.426569	7.783541	20.87506	0	8.317501	8.303235	12.92032	4.426812	4.328857	1.992072	6.318876	4.520899	8.375551	20.807	16.68024	6.614253	13.18609	16.79801	9.383449	0.749609	0.608417	0.217925	NaN	Low	6.999082	11.76782
79_ACTGGCGCGTGGC	2.071654	0	0	0	0	0	0	1.186176	4.6983	0	1.082214	0	1.33029	1.130225	2.956077	3.566914	0	0	0	3.599575	1.081071	0.56075	1.122524	0.617396	NaN	Low	0.87358	1.288562
79_ACTGGCGCGTGGC	1.035827	0	4.455941	1.297257	0	0	5.198438	1.186176	2.34915	0	0	0.996036	1.995435	1.130225	2.463397	5.350372	3.574338	1.322851	3.296522	4.799433	2.02257	0.952538	0.822916	0.247062	NaN	Low	1.378113	2.667027
79_ACTGGCGCGTGGC	19.68072	6.037769	11.88251	5.189028	6.958353	0	4.158751	10.67559	11.74575	5.312175	1.082214	1.992072	7.649166	4.520899	7.390192	24.9684	11.91446	1.322851	8.790727	5.199386	7.82355	-0.21162	0.757543	0.779978	NaN	Low	8.396312	7.250789
79_ACTGGCGCGTGGC	5.179136	0	1.485314	0	0	0	1.039688	1.186176	0	0	0	0	0.376742	0.492679	1.783457	0	0	0	0	1.599764	0.677148	0.430053	1.179819	0.715479	NaN	Low	0.576963	0.777333
79_CTATACAACTTAC	10.35827	4.528326	17.82377	15.56708	3.479177	5.139665	0	0	1.174575	3.54145	1.082214	0.996036	4.988587	5.274382	1.478038	6.539343	14.29735	0	7.691886	12.39853	5.817934	0.770735	0.917123	0.400693	NaN	Low	4.299804	7.336064
79_TTTTGTGTCTCCC	0	0	1.485314	0	3.479177	0	1.039688	0	0	0	0	0.996036	0	0.376742	0.985359	0.594486	3.574338	0	4.395363	1.999764	0.946313	1.80847	1.044889	0.083492	NaN	Low	0.420331	1.472296
8_AAACATCCCCGACT	1.035827	4.528326	0	0	0	5.139665	5.198438	7.117058	4.6983	2.656087	2.164428	4.98018	6.318876	1.883708	4.926795	2.972429	10.72301	1.322851	2.197682	1.199858	3.453176	-1.07054	0.823675	0.1937	NaN	Low	4.678655	2.227697
8_AGAGGCTGGCCGT	0	0	0	0	0	0	0	0	0	0	1.082214	0	0	0	0.492679	0	0	0	31.86638	0	1.672064	4.199552	1.64926	0.010886	NaN	Low	0.172614	3.171514
8_AGAGGCTGGCCGT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.494204	0	0.27471	2.460333	1.655656	0.137275	NaN	Low	0.084482	0.464939
8_AGATCGACCGTGTT	1.035827	0	0	1.297257	0	0	0	0	1.174575	0	2.164428	0.996036	0.665145	0.753483	4.434115	2.377943	0	2.645701	170.3203	0.399953	9.41324	5.031553	1.037709	1.24E-06	NaN	Low	0.558524	18.26796
8_AGGTAGTAGATTG	1.035827	0	0	0.486284	0	0	3.119063	2.372353	5.872875	0	2.164428	0.996036	0	0.376742	0.985359	0	1.191446	2.645701	0	1.999764	1.462294	-0.27972	1.099268	0.799137	NaN	Low	1.603614	1.320974
8_CCCGTAGAACCGAC	2.071654	3.018884	4.455941	3.891771	3.479177	2.569832	0	0	0	0	2.164428	0	0.665145	1.130225	0.985359	0	0	1.322851	5.494204	0	1.562474	0.714327	1.066801	0.503115	NaN	Low	1.183371	1.941577
8_CCCGTAGAACCGAC	4.143309	1.509442	5.941255	2.594514	0	0	8.317501	1.186176	1.174575	0.885362	2.164428	0.996036	0.997717	0.753483	0.492679	0.594486	1.191446	1.322851	4.395363	0.399953	1.953029	0.122673	0.922572	0.894219	NaN	Low	1.870046	2.036012
8_CGCTTATCAGACTG	1.035827	0	0.980798	0	0	0	0	1.174575	0	0	0.996036	0	0	0	0	0	0	0	0	0	0.614362	-0.7371	1.10885	0.506217	NaN	Low	0.767978	0.460745
8_CTGGACTGAGCCA	1.035827	0	0	0	0	0	0	2.34915	0	0	0	0	0	0	0	0	2.382892	0	0	4.799433	0.528365	1.319296	1.138193	0.24641	NaN	Low	0.302317	0.754414
8_CTGGACTGAGCCA	24.85985	0	0	22.05337	0	23.12849	0	0	3.523725	0	0	0	0	0	0.985359	0	10.72301	9.259954	0	68.79187	8.166282	1.433185	1.184778	0.226407	NaN	Low	4.413702	11.91886
8_CTGGACTGAGCCA	7.25079	0	0	0	0	2.569832	0	0	1.174575	0	0	0	0	0	0	0	8.340122	3.968552	0	25.99693	2.46504	1.740025	1.176708	0.139214	NaN	Low	1.135856	3.794224
8_CTGGACTGAGCCA	13.46575	0	0	2.594514	6.958353	2.569832	0	1.186176	5.872875	0	0	0	0	0	0	0.594486	15.4888	5.291402	0	61.59272	5.780746	2.123627	1.188594	0.073991	NaN	Low	2.157848	9.403643
8_CTGGACTGAGCCA	4.143309	0	0	1.297257	0	2.569832	0	0	3.523725	0	0	0	0	0	0	0	1.191446	1.322851	0	13.19844	1.362243	1.891247	1.192802	0.112842	NaN	Low	0.578544	2.146142
8_CTGGACTGAGCCA	2.071654	0	0	1.297257	0	10.27933	0	0	3.523725	0	0	0	0	0	0	0.594486	16.68024	7.937103	0	75.19111	5.878746	2.362323	1.192501	0.047593	NaN	Low	1.914285	9.843206
8_CTGGACTGAGCCA	0	0	0	0	2.569832	0	0	0	0	0	0	0	0	0	0	0	3.574338	0	0	9.598866	0.787152	1.597727	1.074909	0.137178	NaN	Low	0.39097	1.183334
8_CTGGACTGAGCCA	0	0	0	0	3.479177	0	0	0	1.174575	0	0	0	0	0	0	0	9.531568	0	0	15.99811	1.509171	1.44637	1.104295	0.190275	NaN	Low	0.810247	2.208096
8_CTGGACTGAGCCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.340122	0	0	6.399244	0.736968	0.329384	0.602945	0.584866	NaN	Low	0.653203	0.820734
8_CTGGACTGAGCCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.799669	0.139983	1.763912	1.524861	0.247367	NaN	Low	0.063684	0.216283
8_CTGGACTGAGCCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.999764	0.099988	1.411663	1.419114	0.319858	NaN	Low	0.054632	0.145345
8_CTGGACTGAGCCA	8.286617	0	9.080798	3.479177	7.709497	0	0	2.34915	0	0	0	0	0	0	0	0	3.574338	2.645701	0	27.19679	3.216103	1.596127	1.193354	0.181055	NaN	Low	1.598737	4.83347
8_CTGGACTGAGCCA	0	0	0	0	0	0	0	2.34915	0	0	0	0	0	0	0	0	1.191446	0	0	3.595975	0.357009	1.214253	1.057836	0.251024	NaN	Low	0.215052	0.498965
8_CTGGACTGAGCCG	1.035827	0	0	0	0	0	0	0	0	0.885362	0	0	0	0.376742	0	0	0	0	7.691886	6.799197	0.839451	4.049239	1.111645	0.00027	NaN	Low	0.095634	1.583267
8_CTGGACTGAGCCG	0	0	0	0	0	0	0	0	0	0.885362	0	0	0	0	0	0	0	1.322851	6.593045	2.399716	0.560049	3.218783	1.189365	0.006804	NaN	Low	0.108642	1.011456
8_CTGGACTGAGCCG	0	0	0	0	0	0	0	0	0	0.885362	0	0.996036	0	0	0	0	0	0	2.197682	2.799669	0.343937	2.542056	1.192577	0.033043	NaN	Low	0.1008	0.587075
8_GAATAGAGGGACC	0	0	0	0	0	0	0	0	0	0	0	0	0	1.883708	0	0	0	0	0	0	0.094185	-0.13214	0.631591	0.834279	NaN	Low	0.098496	0.089875
8_GGAGAAATTATCCT	0	0	0	0	0	0	0	0	0	0	0	0	0	0.376742	0.492679	0.594486	0	0	16.48261	0	0.897326	3.637055	1.611374	0.024001	NaN	Low	0.133519	1.661133
8_GGTAGTAGTTTGTC	5.179136	0	11.88251	6.486284	0	0	1.039688	0	2.34915	0	1.082214	0.996036	0	1.130225	0	1.783457	1.191446	1.322851	1.098841	0.799905	1.817087	-0.67058	1.111251	0.546215	NaN	Low	2.231943	1.402232
8_TAAGTGCTTATAGT	0	4.528326	0	1.297257	0	2.569832	2.079375	1.186176	0	2.656087	0	0	0	2.260449	1.478038	0	0	0	1.098841	0.799905	0.997714	-0.06203	1.129102	0.956186	NaN	Low	1.019161	0.976268
8_TGAGAACTGAATTC	4.143309	4.528326	1.485314	3.891771	10.43753	5.139665	3.119063	2.372353	5.523725	6.197537	1.082214	0	2.66058	1.130225	1.478038	0	2.382892	2.645701	1.098841	6.399244	3.185816	0.498362	0.782404	0.524149	NaN	Low	2.640972	3.730661
8_TGAGAACTGAATTC	100.4752	149.4348	216.8558	193.2913	382.7094	256.9832	64.46064	238.4214	250.1845	311.6476	135.2768	95.61945	68.8425	46.71596	78.33603	132.5703	219.2261	100.5366	154.9366	285.5663	174.1045	0.367592	0.576526	0.523736	0.656167	OK	152.0433	196.1658
8_TGAGAACTGAATTC	217.5237	250.5674	297.0628	400.8524	939.3777	655.3073	152.8341	482.7738	367.6419	397.5278	265.1425	153.3895	138.3501	134.4967	165.5403	196.1803	369.3483	255.3102	332.9488	601.9289	338.7052	0.502062	0.566038	0.375092	0.522375	OK	280.3577	397.0527
8_TTGGCACTAGCAC	18.64489	18.11331	4.455941	5.189028	3.479177	0	2.079375	7.117058	2.34915	5.312175	5.411071	2.988108	2.993152	7.911573	0.985359	4.755886	7.148676	5.291402	4.395363	7.599102	5.81099	0.075326	0.735703	0.91845	NaN	Low	5.659322	5.962657
8_TTTGGCACTAGCAC	25.89568	19.62275	14.85314	7.783541	38.27094	2.569832	8.317501	11.86176	17.61862	14.1658	10.82214	8.964323	7.649166	9.795281	6.404833	5.350372	8.340122	11.90566	8.790727	38.39546	13.86888	0.927659	0.577973	0.108489	0.225675	OK	9.557538	18.18023
8_TTTGGCACTAGCAT	17.60906	15.09442	14.85314	9.080798	24.35424	0	1.039688	8.303235	7.04745	1.770725	0	2.988108	1.33029	0.753483	1.478038	1.783457	0	1.322851	1.098841	3.199622	5.655372	-1.0073	1.021652	0.324156	NaN	Low	7.553208	3.757536
8_TTTGGTACTAGCAC	7.25079	0	0	1.297257	0	0	1.186176	1.174575	3.54145	0	0	0	0	0.492679	0.985359	1.783457	0	0	0	0.399953	0.856317	-0.89527	1.193002	0.452994	NaN	Low	1.113801	0.598832
8_TTTGGTACTAGCAC	3.107481	3.018884	5.941255	3.891771	17.39588	2.569832	0	1.186176	3.523725	1.770725	1.082214	0.996036	1.995435	1.883708	0.985359	1.783457	0	0	1.598811	1.599811	2.636588	-0.99716	0.954625	0.296227	NaN	Low	3.513145	1.760031
8_TTTGGTACTAGCAC	19.68072	18.11331	25.25033	18.1616	73.06271	12.84916	3.119063	8.303235	18.7932	0.885362	4.328857	3.984144	7.316594	7.534831	2.463397	3.566914	5.95723	2.645701	7.691886	8.399007	12.60536	-0.52045	0.861132	0.545592	0.675073	OK	14.8547	10.35602
8_TTTGGTACTAGTAC	5.179136	3.018884	4.455941	7.783541	24.35424	0	0	2.372353	1.174575	0	0	0	0.332572	0	0.492679	0	0	0	0	0	2.458196	-1.69009	1.192813	0.156514	NaN	Low	3.753237	1.163155
80_CTCGGCGTGGCGG	8.286617	1.509442	8.911883	5.189028	10.43753	0	1.039688	7.117058	3.523725	0	0	0	3.990869	1.506966	0.985359	8.3228	7.148676	1.322851	4.395363	4.39948	3.904367	0.196943	0.912108	0.829049	NaN	Low	3.638286	4.170447
80_CTCGGCGTGGCGT	9.322444	9.056653	10.3972	6.486284	20.87506	2.569832	7.277814	11.86176	12.92032	4.426812	3.246643	0	4.323442	0.753483	6.404833	17.83457	5.95723	9.259954	5.494204	11.59863	8.003359	0.169416	0.735322	0.817783	NaN	Low	7.533981	8.472737
80_CTCGGCGTGGCGT	0	0	2.970628	0	0	0	2.079375	2.372353	0	0	0	0	0.997717	0.376742	0.985359	2.972429	3.574338	0	1.098841	0.799905	0.911384	-0.03541	1.10041	0.974326	NaN	Low	0.92257	0.900199
9_AACATCCCCGACTG	5.179136	3.018884	8.911883	7.783541	0	2.569832	9.357189	8.303235	5.872875	4.426812	0.739928	3.984144	9.644601	1.883708	3.941436	1.783457	1.191446	5.291402	1.098841	0.399953	4.719115	-2.49483	0.878591	0.004517	NaN	Low	8.016086	1.422144
9_AGCTGGTGTTGTG	0	0	0	0	0	0	0	0	3.523725	0	0	0	0	0.376742	0	0	0	0	58.23856	4.799433	3.346923	4.831653	1.503413	0.00131	NaN	Low	0.227098	0.466748
9_AGGTAGTAGATTG	1.035827	4.528326	7.426569	3.891771	0	0	1.039688	1.186176	2.34915	1.770725	2.164428	0	1.662862	1.130225	0.492679	1.783457	0	0	0	0	1.523094	-2.59458	1.151385	0.024231	NaN	Low	2.6135	0.432688
9_AGGTAGTAGGTTG	2.071654	4.528326	5.941255	1.297257	0	5.139665	0	3.558529	8.222024	0.885362	5.411071	1.992072	1.662862	1.883708	1.478038	2.972429	2.382892	5.291402	6.593045	2.399716	3.185565	0.468938	0.720944	0.515402	NaN	Low	2.672353	3.698778
9_ATCCCACCACTGCC	0	1.509442	5.941255	5.189028	0	0	0	4.744705	5.872875	0.885362	0	0	0	0	0	0.594486	0	2.645701	0	0	1.369143	-1.61327	1.193352	0.176413	NaN	Low	2.06374	0.674546
9_ATCCCACCACTGCC	0	0	4.455941	7.783541	0	2.569832	1.039688	0	4.6983	1.770725	0	0.996036	0.332572	0	0	0	1.191446	0	0	0	1.241904	-1.74567	1.191731	0.14297	NaN	Low	1.913278	0.57053
9_CCGTAGAACCGAC	1.035827	1.509442	5.941255	2.594514	3.479177	2.569832	0	0	1.174575	0	2.164428	0	0.332572	0	0.492679	0	0	2.645701	6.593045	0.799905	1.566648	1.227833	1.051714	0.243025	NaN	Low	0.937509	2.195786
9_CCGTAGAACCGAC	5.179136	6.037769	29.70628	5.189028	6.958353	5.139665	5.198438	7.117058	4.6983	4.426812	4.328857	0	1.662862	0.376742	2.463397	1.188971	2.382892	1.322851	15.38377	3.599575	5.618038	0.761336	0.874387	0.383914	NaN	Low	4.169139	7.066937
9_GCTTATCAGACTGA	0	4.528326	19.30908	3.891771	0	7.709497	6.238126	2.372353	2.34915	4.426812	4.328857	0.996036	2.993152	1.130225	4.434115	2.972429	3.574338	2.645701	0	0	3.694998	-3.42976	1.098359	0.001792	NaN	Low	6.762454	0.627543
9_GCTTATCAGACTGA	0	1.509442	7.426569	6.486284	0	0	1.039688	0	0	0.885362	3.246643	0	0.997717	0.753483	2.463397	0.594486	2.382892	0	0	0.399953	1.409296	-1.54698	1.182778	0.170345	NaN	Low	2.099937	0.718655
9_GCTTATCAGACTGA	0	3.018884	1.485314	6.486284	0	2.569832	4.158751	1.186176	2.34915	0	0	0	1.33029	0	2.463397	0	4.765784	0	0	0	1.490693	-2.13031	1.178608	0.070687	NaN	Low	2.427032	0.554354
9_TAATCCTTGCTACC	0	0	0	0	0	0	0	1.186176	0	0	0	0.996036	0	0.376742	0	0	1.191446	1.322851	0	3.199622	0.413644	1.56702	1.1912	0.188343	NaN	Low	0.208757	0.61853
9_TAGCAGCACGTAAJ	1.035827	0	0	0	0	0	1.039688	2.372353	3.523725	0	0	0	0.332572	0.376742	0.985359	0.594486	0	0	2.197682	3.199622	0.782903	1.706389	1.02445	0.09578	NaN	Low	0.367264	1.198541
9_TAGCAGCACGTAAJ	37.28978	33.20773	10.3972	23.35062	80.02106	28.26816	34.30969	43.88853	79.87109	80.56799	71.42614	140.4411	65.84934	113.3992	101.492	44.58643	83.40122	154.7735	149.4424	133.9842	75.49836	0.979704	0.605966	0.105929	0.221755	OK	50.80541	100.1913
9_TAGCAGCACGTAAJ	1.035827	0	0	0.958353	0	0	1.039688	0	0	0	0	0.996036	0.665145	1.506966	3.941436	1.188971	0	0	2.197682	0.799905	1.0165	0.45041	1.093109	0.680307	NaN	Low	0.859101	1.1739
9_TAGTAGCACGTAAJ	145.0158	67.9249	59.41255	80.42993	100.8961	82.23464	40.54782	56.93647	159.7422	20.36334	21.64428	17.92865	20.61949	23.35798	14.78038	17.83457	16.68024	22.48846	28.56986	17.19797	50.73028	-1.09371	0.738586	0.138657	0.261682	OK	69.08864	32.37192
9_TCAACAAAATCACT	5.179136	1.509442	0	1.297257	0	0	4.158751	3.558529	1.174575	0.885362	1.082214	0	2.66058	0.376742	6.897512	35.66914	3.574338	1.322851	2.197682	2.799669	3.717189	-0.49268	1.068869	0.648447	NaN	Low	4.345796	3.088582
9_TCAACAAAATCACT	3.107481	0	0	0	0	0	2.079375	0	0	0.885362	2.164428	0	0.332572	0.376742	5.419474	1.138829	1.191446	2.645701	0	0.799905	1.255025	-1.00112	1.141752	0.380578	NaN	Low	1.6738	0.836249
9_TCAACAAAATCACT	2.071654	0	0	1.297257	0	2.569832	1.039688	0	0	0.885362	1.082214	0.996036	0.665145	0	3.941436	13.67317	1.191446	1.322851	1.098841	5.599338	1.827445	0.692365	1.099122	0.528743	NaN	Low	1.397167	2.257724
9_TCAACAAAATCACT	7.25079	3.018884	0	2.594514	0	2.569832	1.039688	3.558529	4.6983	0.885362	1.082214	0	5.321159	0.753483	12.31699	21.99597	8.340122	1.322851	9.889567	9.598866	4.811856	0.909966	0.946652	0.336428	NaN	Low	3.342726	6.280986
9_TCAGCTACTACCTC	0	0	0	0	0	0	0	0	0	0	0.885362	2.164428	1.992072	1.662862	0.376742	1.970718	2.377943	0	0	1.199858	0.631499	-0.06568	1.15625	0.9547	NaN	Low	0.645872	0.617127
9_TCAGTTATCACAGT	3.107481	1.509442	0	0	0	0	1.039688	1.186176	0	3.54145	1.082214	7.968287	2.993152	3.767416	2.956077	0.594486	3.574338	1.322851	2.197682	2.799669	1.98202	0.211842	0.874756	0.808647	NaN	Low	1.836764	2.127277
9_TCTTATCAGACTGA	0	1.509442	2.970628	3.891771	3.479177	0	2.079375	1.186176	1.174575	0	2.164428	1.992072	1.662862	2.260449	0.492679	1.783457	3.574338	1.322851	1.098841	6.799197	1.652154	-1.12571	0.941798	0.23198	NaN	Low	2.265897	1.03841
9_TCTTATCAGACTGA	0	1.509442	4.455941	2.594514	0	2.569832	2.079375	2.372353	0	0.885362	1.082214	0	2.66058	0.376742	0.492679	0.594486	2.382892	0	0	0.399953	1.222818	-1.48443	1.094101	0.174858	NaN	Low	1.801721	0.643916
9_TGCAGGAACTTGTC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17.58145	7.599102	1.259028	5.798833	1.446366	6.09E-05	NaN	Low	0.044434	2.473622
9_TGCAGGAACTTGTC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29.6687	11.99858	2.083364	6.563174	1.351115	1.19E-06	NaN	Low	0.043603	4.123126
9_TGCAGGAACTTGTC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20.87798	10.39877	1.563837	6.159641	1.395425	1.01E-05	NaN	Low	0.043147	3.084528
9_TGCAGGAACTTGTC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45.05247	23.19726	3.412487	7.357134	1.068649	5.8E-12	NaN	Low	0.041375	6.783598
9_TGGTAGTAGATTG	2.071654	0	7.426569	2.594514	0	0	2

10	ATCGAGGCTAGA(	3.107481	1.509442	5.941255	10.37806	0	2.569832	2.079375	1.186176	0	0	1.082214	1.992072	0.332572	0	0	0	0	0	0	0.399953	1.528921	-1.36716	1.174512	0.244413	NaN	Low	2.203608	0.854235
10	ATCGAGGCTAGA(	27.96733	9.056653	22.27971	14.26983	3.479177	5.139665	32.23032	3.558529	3.523725	1.770725	0	1.992072	1.662862	0	0.985359	0	0	0	1.098841	0	6.45074	-1.9626	1.146713	0.086989	NaN	Low	10.26725	2.63423
10	ATCGAGGCTAGA(	85.97365	24.15107	29.70628	41.51222	13.91671	15.41899	31.19063	26.09588	11.74575	11.50971	3.246643	6.972252	1.662862	0.753483	2.956077	4.755886	1.191446	1.322851	3.296522	0	15.86895	-2.47375	1.017114	0.01501	0.05564	OK	26.89601	4.84188
10	ATCGAGGCTAGA(	65.25711	31.69828	16.33845	29.83691	3.479177	10.27933	30.15094	20.165	5.872875	10.62435	2.164428	2.988108	2.993152	1.130225	0.985359	4.1614	0	5.291402	3.296522	0	12.33565	-2.19144	1.033203	0.03392	0.10228	OK	20.24009	4.431217
10	ATCGAGGCTAGA(	13.46575	0	10.3972	10.37806	3.479177	5.139665	8.317501	10.67559	2.34915	2.656087	2.164428	0	1.33029	0.376742	0.492679	2.972429	0	1.322851	2.197682	1.199858	3.945757	-0.99454	1.004102	0.32194	NaN	Low	5.254369	2.637144
10	ATCGAGGCTAGA(	6.214963	7.547211	11.88251	14.26983	3.479177	15.41899	13.51594	18.97882	1.174575	12.39507	2.164428	0.996036	1.33029	0	0.492679	1.188971	0	1.322851	2.197682	0	5.728501	-1.77924	1.065449	0.094931	NaN	Low	8.872198	2.584805
10	ATCGAGGCTAGA(	26.93151	28.6794	5.941255	16.86434	17.39588	15.41899	21.83344	23.72353	14.0949	7.968262	6.493285	5.976216	2.993152	2.260449	1.478038	1.783457	1.191446	1.322851	3.296522	0	10.28235	-2.26464	0.947932	0.016893	0.060569	OK	17.02231	3.542382
10	ATCGAGGCTAGA(	4.143309	3.018884	0	3.891771	0	2.569832	8.317501	7.117058	4.6983	4.426812	1.082214	0.996036	0.332572	0.753483	0	0	1.191446	3.968552	0	0	2.325389	-2.72064	1.145727	0.017568	NaN	Low	4.038158	0.612619
10	ATCGAGGCTAGA(	23.82402	13.58498	1.485314	10.37806	20.87506	15.41899	13.51594	2.372353	2.34915	3.54145	5.411071	1.992072	5.321159	2.637191	0	0.594486	2.382892	3.968552	2.197682	1.199858	6.652514	-1.60459	0.95609	0.093292	NaN	Low	10.0126	3.29243
10	ATCGAGGCTAGA(	4.143309	4.528326	1.485314	2.594514	0	10.27933	1.039688	8.303235	2.34915	2.656087	0	1.992072	0.997717	0	0	0.594486	1.191446	0	0	0.799905	2.147729	-1.42339	1.093023	0.192832	NaN	Low	3.128894	1.166564
10	ATCGAGGCTAGA(	3.107481	1.509442	0	6.486284	6.958353	5.139665	4.158751	3.558529	0	5.312175	1.082214	0	0.332572	0	0.492679	1.783457	1.191446	2.645701	0	0	2.187938	-2.63929	1.150255	0.02176	NaN	Low	3.770658	0.605217
10	ATCGAGGCTAGA(	39.36143	28.6794	5.941255	15.56708	27.83341	43.68715	32.23032	32.02676	10.57117	32.75841	10.82214	6.972252	4.656014	1.506966	3.448756	5.350372	2.382892	5.291402	0	0.799905	15.49436	-3.68327	0.964614	0.000134	0.001814	OK	28.75064	2.238066
10	ATCGAGGCTAGA(	109.7977	111.6987	17.82377	40.21496	149.6046	241.5643	67.5797	139.9688	31.71352	56.6632	32.46643	9.960359	44.56471	21.85101	9.36091	15.45663	36.93483	46.29977	8.790727	7.199149	59.97569	-2.58503	0.808233	0.001382	0.009664	OK	102.8162	17.13517
10	ATCGAGGCTAGA(	1.035827	4.528326	0	3.891771	3.479177	30.83799	5.198438	7.117058	3.523725	1.770725	1.082214	0	0.665145	1.883708	0.492679	0.594486	0	0	1.098841	0	3.360005	-1.69936	1.118611	0.128721	NaN	Low	5.137924	1.582087
10	ATCGAGGCTAGA(	0	1.509442	0	9.080798	13.91671	10.27933	6.238126	7.117058	1.174575	6.197537	3.246643	1.992072	0.332572	0.376742	0.492679	1.188971	5.95723	0	0	0.399953	3.475022	-2.28751	1.098026	0.037224	NaN	Low	5.768494	1.18155
10	ATCGAGGCTAGA(	8.286617	4.528326	1.485314	2.594514	0	0	9.357189	1.186176	0	1.770725	2.164428	0	0.997717	0	0	1.188971	1.191446	0	0	0.399953	1.757569	-1.63631	1.14885	0.154359	NaN	Low	2.659602	0.855536
10	ATCGAGGCTAGA(	5.179136	3.018884	0	5.189028	17.39588	12.84916	9.357189	11.86176	0	9.738987	1.082214	0.996036	0.997717	1.130225	0.985359	0.594486	4.765784	2.645701	0	0.399953	4.409375	-2.59947	1.070821	0.015201	NaN	Low	7.569752	1.248999
10	ATCGAGGCTAGA(	1.035827	0	0	0	3.479177	2.569832	0	4.744705	0	0.885362	0	0	0.332572	0	0	0	7.148676	0	0	0	1.009808	-1.33929	1.189203	0.260078	NaN	Low	1.447529	0.572086
10	ATCGAGGCTAGA(	1.035827	0	0	0	10.43753	12.84916	1.039688	1.186176	0	0	2.164428	0.996036	0.997717	0.376742	0	0	4.765784	0	0	0	1.792455	-1.90201	1.187858	0.109331	NaN	Low	2.828173	0.756737
10	ATCGAGGCTAGA(	1.035827	1.509442	0	0	0	12.84916	2.079375	4.744705	1.174575	0	1.082214	0	0.332572	0.753483	0	0.594486	1.191446	1.322851	0	0	1.433507	-2.12176	1.178532	0.071807	NaN	Low	2.331348	0.535666
10	ATCGAGGCTAGA(	3.107481	0	0	0	13.91671	12.84916	2.079375	5.930882	3.523725	0.885362	4.328857	0	0	1.506966	0.985359	0	2.382892	1.322851	0	0	2.640981	-2.44546	1.163148	0.035514	NaN	Low	4.462671	0.819291
10	ATCGAGGCTAGA(	1.035827	0	0	3.891771	17.39588	48.82682	5.198438	15.42029	1.174575	0.885362	1.082214	0.996036	0.665145	0	0.985359	1.188971	0	1.322851	0	0	5.003477	-2.4079	1.167142	0.039106	NaN	Low	8.420311	1.586644
10	ATCGAGGCTAGA(	6.214963	1.509442	0	0	0	0	1.039688	0	0	0	0	0	0	0	0	0	0	0	0	0	0.438205	-0.54494	1.038182	0.599654	NaN	Low	0.519995	0.356415
10	ATCGAGGCTAGA(	7.25079	1.509442	1.485314	2.594514	0	0	0	0	1.174575	0	0	0	0.332572	0	0	0	0	0	0	0	0.71736	-1.15666	1.17852	0.326372	NaN	Low	0.990452	0.444269
10	CATGCACTACCAT	2.071654	1.509442	25.25033	1.297257	0	0	6.238126	5.930882	1.174575	0.885362	2.164428	1.992072	2.328007	0.376742	0.985359	1.188971	0	1.322851	0	0	2.735803	-2.75636	1.14432	0.016008	NaN	Low	4.76622	0.705387
10	CATGCACTACCAT	14.50158	10.56609	50.50067	10.37806	0	5.139665	7.277814	14.23412	5.872875	2.656087	7.5755	5.976216	3.658297	0.753483	1.970718	7.728315	3.574338	2.645701	0	0.399953	7.770474	-3.32677	1.02336	0.001151	NaN	Low	14.13244	1.408509
10	CATGGCTGCTGTA/	2.071654	4.528326	2.970628	2.594514	3.479177	7.709497	7.277814	8.303235	3.523725	3.54145	5.411071	2.988108	0.332572	3.013933	1.970718	1.188971	4.765784	0	1.098841	0.399953	3.358498	-1.9206	0.922059	0.037256	NaN	Low	5.313474	1.403523
10	CATGGCTGCTGTA/	0	0	0	0	0	20.55866	0	1.186176	0	0	1.082214	0	0.665145	0	0.985359	0	1.191446	1.322851	0	0.399953	1.36959	-0.93973	1.191737	0.430381	NaN	Low	1.800518	0.938663
10	CATGTACTACCAT	1.035827	1.509442	11.88251	10.37806	0	0	0	3.558529	3.523725	0	0	0	0.332572	0.753483	0	0.594486	0	0	0	0	1.678431	-1.76087	1.191611	0.139482	NaN	Low	2.592032	0.764831
10	CGGCGGCCCGCC(	16.57323	3.018884	16.33845	7.783541	17.39588	25.69832	129.961	16.60647	9.396599	12.39507	60.604	18.92468	8.646884	18.83708	3.448756	6.539343	11.91446	11.90566	210.9774	5.199386	30.60826	1.940729	0.888355	0.028916	0.092409	OK	12.65067	48.56584
10	CGGCGGCCCGCC(	1.035827	6.037769	13.36782	6.486284	31.31259	2.569832	156.9928	4.744705	3.523725	12.39507	49.78185	18.92468	2.66058	7.534831	0.492679	1.783457	5.95723	2.645701	96.69799	1.599811	21.32726	1.071775	1.056312	NaN	NaN	Outlier	13.75057	28.90396
10	CGGCGGCCCGCC(	0	0	0	0	3.479177	0	2.079375	0	0	1.770725	3.246643	0	0.997717	0.376742	0	0.594486	3.574338	0	6.593045	0.399953	1.15561	1.411806	1.103415	0.200725	NaN	Low	0.63136	1.67986
10	GAGCTTATCAGA(	3.107481	12.07554	2.970628	2.594514	6.958353	7.709497	6.238126	2.372353	2.34915	3.54145	4.328857	2.988108	2.993152	3.767416	6.897512	4.755886	7.148676	3.968552	3.296522	0.799905	4.543084	-1.33302	0.704138	0.058341	NaN	Low	6.504357	2.581811
10	GCCATTGATGATC	1.035827	1.509442	5.941255	1.297257	0	2.569832	2.079375	2.372353	2.34915	0	2.164428	0	0.332572	0	0	0	0	0	8.790727	0	1.522111	1.311628	1.13052	0.245968	NaN	Low	0.87422	2.170002
10	GCCATTGATGATC	3.107481	1.509442	1.485314	2.594514	3.479177	7.709497	1.039688	0	0	0.885362	8.657714	0	0.332572	0.376742	0	0	1.191446	0	5.494204	0	1.893158	0.449289	1.119558	0.688193	NaN	Low	1.60073	2.185585
10	GCCATTGATGATC	1.035827	0	2.970628	1.297257	0	0	2.079375	1.186176	0	0.885362	7.5755	0	0	0.376742	0	0	4.765784	0	5.494204	0.399953	1.40334	0.797765	1.140665	0.484311	NaN	Low	1.024932	1.781748
10	GGATGTGAGGGC	0	0	0	0	0	0	10.39688	0	0	1.770725	3.246643	1.992072	0	1.130225	0	0	3.574338	1.322851	5.494204	0	1.446397	0.550437	1.191939	0.644225	NaN	Low	1.173771	1.719022
10	GGGGATGTAGCT(	4.143309	0	8.911883	0	3.479177	5.139665	0	0	3.523725	2.656087	1.082214	0	0.332572	0	0	0	0	0	0	0	1.463432	-1.59156	1.193412	0.182329	NaN	Low	2.197653	0.72921
10	GGGGATGTAGCT(	5.179136	1.509442	8.911883	0	0	0	0	0	1.174575	1.770725	1.082214	0.996036	0.665145	0	0.492679	0	0	0	1.098841	0	1.144034	-0.72692	1.175458	0.536301	NaN	Low	1.426306	0.861762
10	GGGGATGTAGCT(	5.179136	6.037769	13.36782	9.080798	0	2.569832	5.198438	1.186176	8.222024	2.656087	0	1.992072	0	0.376742	1.478038	0	0	2.645701	2.197682	0	3.109416	-1.15	1.098015	0.294941	NaN	Low	4.287	1.931832
10	GGGGATGTAGCT(	6.214963	0	25.25033	10.37806	6.958353	2.569832	7.277814	2.372353	10.57117	3.54145	0	1.992072	0.997717	0	0.492679	0.594486	0	0	2.197682	0	4.070448	-1.27631	1.12753	0.257656	NaN	Low	5.762033	2.378864
10	GGGGATGTAGCT(	17.60906	1.509442	19.30908	7.783541	10.43753	2.569832	9.357189	2.372353	16.44405	9.738987	2.164428	0.996036	1.33029	1.130225	0.492679	1.188971	0	0	2.197682	0.399953	5.351566	-1.60464	1.033529	0.120523	NaN	Low	8.054628	2.648505
10	GGGGATGTAGCT(	20.71654	3.018884	28.22096	18.1616	0	7.709497	9.357189	4.744705	11.74575	15.05116	1.082214	4.98018	1.662862	1.130225	0.492679	2.972429	0	5.291402	5.494204	0	7.091624	-1.15941	1.013301	0.252546	NaN	Low	9.797115	4.386133
10	GGGGATGTAGCT(	14.50158	6.037769	20.79439	11.67531	6.958353	2.569832	4.158751	7.117058	8.222024	5.312175	0	0.996036	0.665145	0.376742	1.478038	1.188971	0	0	1.098841	0	4.657551	-2.16166	1.083369	0.046009	NaN	Low	7.613497	1.701605
10	GGGGATGTAGCT(	14.50158	6.037769	16.33845	9.080798	6.958353	0	12.47625	4.744705	7.04745	3.54145	0	1.992072	0.665145	0	0	0	1.191446	2.645701	2.197682	0	4.470943	-1.4063	1.113824	0.206738	NaN	Low	6.492433	2.449453
10	GGGGATGTAGCT(	205.0938	134.3403	285.1802	194.5885	567.1058	23.12849	87.33376	180.2988	576.7163	48.69494	33.54864	59.76216	43.89956	21.09753	36.45828	20.807	4.765784	343.9411	19.77913	0.799905	144.367	-2.97127	0.960026	0.001968	0.012602	OK	256.0801	32.65391
10_	GGGGATGTAGCT(	193.6997	131.3215	314.8865	181.616	584.5017	10.27933	110.2069	171.9956	533.257	48.69494	27.05536	51.79387	42.56927	23.73472	29.56077	19.61803	2.382892	302.9328	15.38377	1.199858	139.8345	-3.09434	0.975646	0.001516	0.010454	OK	250.3555	29.3135
10	GGGGATGTAGCT(	354.2529	206.7936	297.0628	169.9407	107.8545	33.40782	223.5328	151.8306	113.9338	65.51682	38.95971	37.84937	32.25953	29.76258	11.33163	14.86214	13.10591	64.81968	24.1745	3.199622	99.72254	-2.47046	0.874364	0.004722	0.024375	OK	168.9591	30.48596
10	GGGGATGTAGCT(	362.5395	176.6047	310.4306	169.9407	100.8961	53.96648	205.8582	153.0168	102.188	54.89247	43.28857	34.86126	32.25953	31.26955	10.34627	19.61803	9.531568	66.14253	31.86638	0.399953	98.49586	-2.20622	0.909954	NaN	NaN	Outlier	161.9065	35.08525
10_	GGGGATGTAGCT(	223.7387	172.0764	163.3845	124.5367	86.97942	30.83799	142.4372	143.5273	61.0779	58.43392	23.80871	16.93261	19.62177	10.92551	10.83895	9.511772	7.148676	43.65407	16.48261	0.399953	68.31773	-2.51151	0.919958	0.006333	0.03076	OK	116.2487	20.38675
10	GGGGATGTAGCT(	259.9926	161.5103	136.6489	119.3476	100.8961	25.69832	159.0722	147.0859	76.34737	47.80957	19.47986	21.91279	21.28464	9.418539	11.33163	6.539343	2.382892	52.91402	13.18609	0	69.64293	-2.66975	0.969018	NaN	NaN	Outlier	120.3693	18.91656
10	GGGGATGTAGCT(	203.0221	160.0009	127.737	121.9421	118.292	38.54749	140.3578	143.5273	63.42705	45.15349	30.302	17.92865	18.62406	8.288315	7.390192	5.944857	2.382892	27.77986	10.98841	1.199858	64.64182	-2.77498	0.932084	0.002909	0.016973	OK	112.8032	16.48045
10	GGGGATGTAGCT(	207.1654	158.4914	123.281	112.8613	76.54189	33.40782	115.4053	134.0379	55.20502	43.38276	27.05536	10.9564	11.64004	10.92551	4.434115	7.728315	15.4888	29.10271	10.98841	0	59.40498	-2.76406	0.946752	NaN	NaN	Outlier	103.5644	15.24559
10	GGGGATGTAGCT(	309.7123	169.0575	95.06008	125.8339	219.1881	84.80447	219.3741	192.1606	77.52194	68.17291	35.71307	23.90486	23.28007	21.85101	14.2877	14.26766	23.82892	87.30814	21.97682	1.199858	91.4252	-2.58886	0.862484	0.002685	0.016047	OK	156.7893	26.06111
10	GGGGATGTAGCT(	303.4974	152.4537	103.972	98.59152	201.7922	102.7933	214.1757	168.437	78.69652	56.6632	22.7265	13.9445	19.95435	19.59056	18.72182	15.45663	26.21181	76.72533	16.48261	2.399716	85.66432	-2.76826	0.853595	0.001183	0.008833	OK	149.3996	21.92905
10	GGGGATGTAGCT(	73.54373	37.73605	16.33845	15.56708	38.27094	20.55866	36.38907	33.21294	15.26947	14.1658	3.246643	0	3.658297	3.013933	7.390192	1.783457	1.191446	21.16561	5.494204	0	17.3998	-2.10755	0.9962	0.03438	0.103201	OK	28.2455	6.554101
10	GGGGATGTAGCT(	73.54373	39.2455	19.30908	33.72868	59.146	7.709497	43.66688	18.97882	19.96777	17.70725	6.493285	4.98018	2.993152	4.89764	3.941436	0	8.340122	17.19706	1.098841	0.399953	19.16724	-3.46659	0.982045	0.000416	0.004406	OK	35.15444	3.180045
10	GGGGATGTAGCT(	2.071654	1.509442	1.485314	0	0	0	5.198438	0	0	0.885362	1.082214	0	0.332572	1.130225	0	0	1.191446	1.322851	2.197682	0	0.92036	0.022007	1.121959	0.984351	NaN	Low	0.913341	0.927379
10_	GGGGATGTAGCT(	1.035827	1.509442	1.485314	1.297257	3.479177	0	12.47625	2.372353	0	0	2.164428	0	0.997717	1.130225	0	0	2.382892	2.645701	0	0.399953	1.668827	-1.61467	1.139209	0.156377	NaN	Low	2.51606	0.821594
10	GGGGATGTAGCT(	3.107481	4.528326	1.485314	1.297257	3.479177	0	1.039688	0	4.6983	2.656087	5.411071	0	0.332572	1.883708	0.492679	1.188971	2.382892	1.322851	2.197682	1.599811	1.955193	-0.00791	0.877922	0.992808	NaN	Low	1.960556	1.949831
10	GGGGATGTAGCT(	6.214963	3.018884	0	0	0	0	0	1.186176	1.174575	3.54145	3.246643	0	0.665145	1.883708	0.985359	0	2.382892	0	1.098841	1.999764	1.36992	0.150455	1.03054	0.883924	NaN	Low	1.298552	1.441288
10_	GGGGATGTAGCT(	13.46575	1.509442	5.941255	2.594514	0	10.27933	2.079375	1.186176	4.6983	4.426812	8.657714	0	5.986304	10.92551	0	0.594486	2.382892	3.968552	1.098841	1.599811	4.069753	-1.2943	0.966991	0.18074	NaN	Low	5.78199	2.357516
10	GGGGATGTAGCT(	11.3941	1.509442	1.485314	0	10.43753	7.709497	2.079375	2.372353	8.222024	2.656087	6.493285	0.996036	5.653732	11.67899	2.463397	1.188971	4.765784	5.291402	0	3.599575	4.499845	-0.98632	0.863493	0.253353	NaN	Low	5.980798	3.018891
10	TAACTTATCAGAC	0	0	2.970628	2.594514	3.479177	15.41899	5.198438	0	1.174575	2.656087	2.164428	0	1.33029	3.767416	2.956077	2.972429	9.531568	3.968552	2.197682	1.999764	3.219031	-0.47445	0.903583	0.599528	NaN	Low	3.743626	2.694436
10_	TACCTTATCAGAC	2.071654	10.56609	0	7.783541	3.479177	7.709497	6.238126	3.558529	5.872875	10.62435	2.164428	3.984144	3.658297	3.390674	8.86823	1.783457	5.95723	2.645701	1.098841	1.599811	4.652733	-1.57642	0.780452	0.043396	NaN	Low	6.968752	2.336714
10	TAGCATATCAGAC	1.035827	6.037769	5.941255	0	0	2.569832	1.039688	1.186176	1.174575	5.312175	2.164428	0.996036	2.328007	2.637191	2.463397	0.594486	1.191446	0	0	1.599811	1.913605	-0.83919	0.926919	0.365281	NaN	Low	2.454978	1.372232
10	TAGCTAATCAGAC	2.071654	4.528326	4.455941	6.486284	0	5.139665	4.158751	2.372353	1.174575	6.197537	3.246643	0	4.988587	3.390674	6.897512	5.350372	14.29735	2.645701	1.098841	2.399716	4.045024	-1.0693	0.772144	0.166101	NaN	Low	5.479018	2.611031
10	TAGCTNATCAGAC	2.071654	0	2.970628	2.594514	3.479177	0	1.039688	0	3.523725	0.885362	2.164428	3.984144	2.328007	4.520899	1.478038	4.1614	9.531568	1.322851	0	0.399953	2.322802	-2.28683	1.027067	0.025977	NaN	Low	3.855511	0.790092
10	TAGCTTAACAGAC	3.107481	3.018884	0	10.37806	0	10.27933	2.079375	2.372353	0	8.853625	8.657714	2.988108	2.66058	4.89764	7.882871	4.755886	7.148676	5.291402	3.296522	1.599811	4.463416	-0.92822	0.775114	0.231099	NaN	Low	5.851724	3.075108
10	TAGCTTATAAGAC	3.107481	4.528326	8.911883	2.594514	3.479177	17.98883	9.357189	1.186176	1.174575	7.968262	4.328857	0.996036	6.318876	1.130225	10.34627	1.783457	15.4888	1.322851	10.98841	1.599811	5.73	0.090865	0.833325	0.913171	NaN	Low	5.549614	5.910386
10_	TAGCTTATCAAAC	0	3.018884	1.485314	1.297257	0	2.569832	0	1.186176	0	1.770725	1.082214	0.996036	0.997717	2.260449	2.956077	0	4.765784	1.322851	1.098841	0.799905	1.380403	-0.52131	0.967138	0.589872	NaN	Low	1.627124	1.133682
10	TAGCTTATCAGAA	0	1.509442	0	1.297257	3.479177	0	0	1.186176	1.174575	0.885362	2.164428	2.988108	2.66058	0	2.463397	1.783457	3.574338	0	1.098841	2.799669	1.45324	0.460832	0.931084	0.620641	NaN	Low	1.223094	1.683387
10	TAGCTTATCAGAC	2.071654	0	8.911883	0	0	0	0	1.186176	2.34915	0	1.082214	0	1.33029	0	0	0	0	0	0	0	0.846568	-1.22823	1.183634	0.299422	NaN	Low	1.186633	0.506504
10_	TAGCTTATCAGAC	0	1.509442	1.485314	1.297257	0	0	1.039688	0	1.174575	1.770725	4.328857	0.996036	1.995435	1.506966	2.956077	0.594486	0	1.322851	2.197682	0.799905	1.248765	-0.0296	0.906091	0.973943	NaN	Low	1.261573	1.235956
10	TAGCTTATCAGAC	4.143309	0	8.911883	2.594514	3.479177	7.709497	2.079375	1.186176	1.174575	0	3.246643	0	1.662862	1.506966	0.985359	0.594486	0	1.322851	1.098841	0.399953	2.104823	-1.19117	1.01057	0.238515	NaN	Low	2.927536	1.282111
10	TAGCTTATCAGAC	0	0	2.970628	1.297257	0	0	1.039688	0	0	1.770725	0	0.996036	1.662862	1.130225	1.478038	0	0	0	0	0.399953	0.637271	-0.91775	1.157562	0.427878	NaN	Low	0.833396	0.441145
10_	TAGCTTATCAGAC	0	3.018884	0	2.594514	6.958353	10.27933	2.079375	1.186176	2.34915	1.770725	0	1.992072	2.66058	1.130225	8.375551	3.566914	5.95723	0	3.296522	0.399953	2.880778	-0.64842	0.942985	0.491691	NaN	Low	3.517476	2.244079
10	TAGCTTATCAGAC	0	1.509442	5.941255	10.37806	3.479177	5.139665	12.47625	3.558529	0	1.770725	5.411071	6.972252	1.33029	0.753483	3.448756	1.188971	1.191446	0	1.098841	0.399953	3.302408	-1.72833	1.01219	0.087727	NaN	Low	5.073596	1.531221
10	TAGCTTATCAGAC	0	0	1.485314	1.297257	0	2.569832	1.039688	0	1.174575	0.885362	5.411071	0	2.328007	2.637191	1.970718	0.594486	3.574338	1.322851	0	0.399953	1.334532	-1.67295	1.078466	0.120846	NaN	Low	2.031853	0.637211
10	TAGCTTATCAGAC	21.75237	21.13219	75.751	29.83691	20.87506	15.41899	49.90501	7.117058	22.31692	36.29986	31.38421	22.90883	36.91554	15.82315	44.34115	27.94083	40.50917	17.19706	20.87798	9.198913	28.37511	-0.98304	0.551477	0.074659	0.174027	OK	37.68492	19.0653
10_	TAGCTTATCAGAC	0	1.509442	2.970628	0	3.479177	2.569832	0	0	0	1.770725	3.246643	0	0.997717	2.637191	3.941436	1.783457	2.382892	1.322851	0	1.199858	1.490592	-0.80613	1.011327	0.42539	NaN	Low	1.896533	1.084651
10	TAGCTTATCAGAC	80.79452	52.83047	166.3551	55.78205	13.91671	125.9218	86.29408	22.53735	49.33215	166.4481	88.74157	54.78198	81.48025	54.62753	63.55565	29.1298	84.59267	19.84276	34.06407	43.1949	68.71118	-0.83203	0.612851	0.174577	0.308482	OK	87.99325	49.42911
10_	TAGCTTATCAGAC	0	0	0	0	0	2.569832	3.119063	0	2.34915	0.885362	2.164428	0.996036	0.332572	0.376742	0.492679	0.594486	3.574338	0	1.098841	2.399716	1.047662	0.792257	0.986514	0.421925	NaN	Low	0.767018	1.328307
10_	TAGCTTATCAGAC	431.9399	664.1545	721.8625	513.7137	219.1881	763.2402	610.2967	231.3044	352.3725	1278.463	679.6305	601.6057	577.0132	625.7678	1050.393	536.8206	987.7088	255.3102	243.9427	377.5554	586.1142	-0.94367	0.493304	0.055754	0.143909	OK	771.2489	400.9794
10_	TAGCTTATCAGAC	90.11696	129.812	187.1495	232.209	219.1881	388.0447	194.4216	243.1662	138.5998	215.1431	286.7868	66.73441	168.2817	208.3381	510.4159	143.2711	610.0204	132.2851	138.4539	104.7876	220.3613	-0.87357	0.560729	0.119254	0.240459	OK	285.1105	155.6121
10_	TAGCTTATCAGAC	71.47207	73.96266	59.41255	494.2549	226.1465	398.324	71.73845	94.89411	136.2507	87.65089	166.661	21.91279	58.86532	62.5391	161.1062	73.71623	195.3972	60.85113	94.50031	38.79542	132.4226	-0.95639	0.720716	0.184509	0.320626	OK	174.7755	90.06967
10_	TAGCTTATCAGAC	766.5121	1717.745	1188.251	2606.189	1656.088	4733.631	2423.512	1407.991	1666.722	2031.907	3773.681	1755.015	2353.948	1523.543	3476.346	1239.503	5303.126	804.2931	1336.19	674.3203	2121.926	-1.09235	0.55552	0.049258	0.130912	OK	2888.944	1354.908
10	TAGCTTATCAGAC	1.035827	0	0	3.891771	0	2.569832	1.039688	0	3.523725	2.656087	4.328857	0	0.997717	4.89764	2.463397	0.594486	11.91446	2.645701	1.098841	1.199858	2.242894	-0.81374	0.992896	0.412468	NaN	Low	2.859181	1.626608
10_	TAGCTTATCAGAC	4.143309	12.07554	10.3972	7.783541	13.91671	61.67598	18.71438	2.372353	1.174575	2.656087	66.01507	0.996036	2.993152	17.33011	0.985359	6.539343	150.1222	6.614253	5.494204	11.19868	20.1599	-0.98662	1.029544	0.337906	0.487099	OK	26.79666	13.52315
10_	TAGCTTATCAGAC	0	0	0	0	0	10.27933	3.119063	1.186176	0	0.885362	3.246643	0	0.997717	4.520899	0	0	3.574338	2.645701	2.197682	0.399953	1.652643	-0.27225	1.130813	0.809744	NaN	Low	1.808117	1.49717
10_	TAGCTTATCAGAC	0	0	0	0	0	0	1.039688	0	0	0	2.164428	0	0	1.883708	0.492679	0	2.382892	1.322851	0	0.799905	0.504308	-0.12882	1.191833	0.913929	NaN	Low	0.526807	0.481808
10	TAGCTTATCAGAC	0	0	0	0	0	5.139665	1.039688	0	0	0	1.082214	0	0.332572	1.130225	0	0	5.95723	2.645701	1.098841	1.999764	1.021295	0.537963	1.161564	0.643266	NaN	Low	0.833057	1.209533
10_	TAGCTTATCAGAC	1.035827	1.509442	0	2.594514	0	10.27933	2.079375	2.372353	3.523725	1.770725	6.493285	0.996036	0.332572	1.883708	0	0	21.44603	2.645701	0	2.399716	3.068117	-0.87054	1.081674	0.420932	NaN	Low	3.966684	2.16955
10	TAGCTTATCAGAC	0	0	0	1.297257	0	28.26816	0	3.558529	2.34915	0	0	0	0.332572	0	0	0	0	0	0	0	1.790283	-0.85856	1.137692	0.450461	NaN	Low	2.307803	1.272763
10	TAGCTTATCAGAC	1.035827	19.62275	4.455941	7.783541	6.958353	48.82682	5.198438	8.303235	7.04745	15.93652	10.82214	5.976216	9.977173	12.80921	23.15593	6.539343	47.65784	5.291402	5.494204	3.999527	12.84459	-1.32662	0.796948	0.095988	0.209854	OK	18.36645	7.322735
10_	TAGCTTATCAGAC	0	3.018884	0	3.891771	0	5.139665	3.119063	0	7.04745	6.197537	1.082214	0.996036	0.665145	1.130225	0.492679	1.783457	2.382892	0	1.098841	0	1.902293	-1.53371	1.072823	0.152831	NaN	Low	2.827874	0.976712
10	TAGCTTATCATAC	1.035827	1.509442	2.970628	1.297257	3.479177	5.139665	0	0	1.174575	0.885362	3.246643	0	1.33029	2.260449	0.985359	0	3.574338	1.322851	0	0	1.510593	-2.53989	1.154265	0.027776	NaN	Low	2.577901	0.443285
10	TAGCTTATCGGAC	1.035827	0	0	0	3.479177	0	4.158751	0	1.174575	3.54145	2.164428	0.996036	0.665145	1.883708	1.970718	0.594486	1.191446	0	0	0.399953	1.162785	-1.49296	1.09021	0.170867	NaN	Low	1.715929	0.609641
10_	TAGCTTATCTGAC	1.035827	1.509442	1.485314	1.297257	0	0	2.079375	0	0	1.770725	0	0	0.665145	0	2.956077	0	3.574338	0	0	0.399953	0.838673	-1.07347	1.160838	0.355103	NaN	Low	1.137048	0.540297
10	TAGCTTATTAGAC	15.53741	28.6794	13.36782	23.35062	17.39588	43.68715	15.59531	8.303235	24.66607	16.82189	16.23321	6.972252	6.318876	9.795281	14.2877	4.755886	9.531568	3.968552	1.098841	2.399716	14.13833	-2.634	0.729385	0.000305	0.003453	OK	24.35341	3.923259
10	TAGTTTATCAGAC	71.47207	93.58541	90.60414	64.86284	45.2293	115.6425	47.82563	24.9097	55.20502	40.72667	40.04193	16.93261	25.60808	22.98124	25.12665	23.18494	32.16904	7.937103	7.691886	3.199622	42.74682	-2.8522	0.680086	2.74E-05	0.000655	OK	75.09422	10.39942
10_	TATCTTATCAGAC	8.286617	13.58498	31.19159	27.24239	6.958353	20.55866	24.9525	9.489411	14.0949	27.44624	19.47986	10.9564	18.62406	12.80921	28.57541	11.88971	36.93483	3.968552	4.395363	5.199386	16.83192	-1.77598	0.603155	0.003235	0.018528	OK	26.05568	7.60816
10	TCCTTCATTCCAC(	0	0	0	6.486284	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.324314	-0.21221	0.766097	0.781782	NaN	Low	0.348123	0.300505
10	TCCTTCATTCCAC(	0	0	0	6.486284	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.324314	-0.21221	0.766097	0.781782	NaN	Low	0.348123	0.300505
10_	TCCTTTATTCCAC(	0	0	0	6.486284	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.324314	-0.21221	0.766097	0.781782	NaN	Low	0.348123	0.300505
10	TCTTTCATTCCAC(	0	0	0	7.783541	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.389177	-0.05589	0.430495	0.896708	NaN	Low	0.396714	0.38164
10	TCTTTGGTTATCT/	0	0	0	0	0	0	0	0	0	0	0	0	2.66058	0	0	0	0	0	0	0	0.133029	-0.15684	0.678747	0.817262	NaN	Low	0.140253	0.125805
10_	TCTTTGGTTATCT/	0	0	0	0	0	0	0	1.186176	0	0	0	0	18.95663	0	0	0	0	1.322851	0	3.999527	1.273259	0.21228	1.062731	NaN	NaN	Low	1.179753	1.366765
10	TCTTTGGTTATCT/	0	0	0	0	0	0	0	0	0	0.885362	0	0	46.56014	0	0	0	0	1.322851	9.889567	15.59816	3.712804	0.85892	1.103481	NaN	NaN	Low	2.639109	4.786499
10	TCTTTGGTTATCT/	0	10.56609	0	3.891771	3.479177	5.139665	10.39688	4.744705	2.34915	1.770725	0	0	603.9516	0.753483	1.478038	0	0	2.645701	27.47102	121.1857	39.99118	0.539364	1.193051	NaN	NaN	Outlier	32.60152	47.38084
10_	TCTTTGGTTATCT/	0	0	0	0	0	0	0	0	0	0	0	0	3.658297	0	0	0	0	0	0	1.999764	0.282903	0.474739	0.856703	0.579479	NaN	Low	0.236772	0.329034
10	TCTTTGGTTATCT/	0	0	0	0	0	0	0	0	1.174575	0	0	0	5.321159	0	0	0	0	0	0	2.399716	0.444773	0.477529	1.00525	0.634762	NaN	Low	0.371828	0.517717
10	TGGCTTATCAGAC	2.071654	6.037769	1.485314	0	6.958353	2.569832	1.039688	0	3.523725	1.770725	1.082214	1.992072	1.662862	1.130225	0.492679	0	0	0	0	0.399953	1.610853	-1.64043	1.088284	0.13172	NaN	Low	2.439281	0.782425
10_	TTAATGCTAATCG	0	0	1.485314	1.297257	0	0	0	3.558529	2.34915	0.885362	0	0	0.332572	0	3.941436	0.594486	1.191446	0	0	0	0.781778	-1.76027	1.191148	0.139463	NaN	Low	1.207199	0.356357
10	TTAATGCTAATCG	2.071654	3.018884	2.970628	0	0	2.569832	5.198438	5.930882	4.6983	0.885362	1.082214	3.984144	0.665145	1.506966	14.78038	1.188971	1.191446	1.322851	0	3.199622	2.813286	-0.60135	0.956032	0.529345	NaN	Low	3.391264	2.235308
10	TTAATGCTAATCG	0	0	2.970628	0	0	0	0	0	2.34915	0	0	0	0.332572	0.376742	6.404833	0.594486	0	0	1.098841	1.999764	0.806351	0.588137	1.183699	0.619285	NaN	Low	0.644229	0.968472
10_	TTAATGCTAATCG	2.071654	1.509442	2.970628	0	3.479177	0	0	9.489411	5.872875	0.885362	0	0.996036	0.332572	2.637191	13.30235	1.188971	0	3.968552	2.197682	0	2.545095	-1.01084	1.095882	0.356319	NaN	Low	3.401951	1.688238
10	TTAATGCTAATCG	0	1.509442	0	0	6.958353	0	0	1.186176	0	2.656087	0	1.992072	0.332572	0	10.34627	0	0	1.322851	0	0.399953	1.335189	-1.12669	1.19158	0.344383	NaN	Low	1.831577	0.8388
10	TTAATGCTAATCG	1.035827	0	0	1.297257	0	0	1.039688	0	1.174575	1.770725	1.082214	0	0.332572	0.753483	4.926795	1.783457	0	1.322851	0	0.799905	0.865967	-0.73374	1.095592	0.503035	NaN	Low	1.081552	0.650383
10_	TTAATGCTAATCG	5.179136	13.58498	25.25033	10.37806	34.79177	23.12849	10.39688	41.51617	15.26947	11.50971	9.739928	15.93657	8.314311	12.43247	47.78991	10.70074	17.87169	19.84276	3.296522	13.19844	17.50642	-0.98412	0.643368	0.126106	0.246727	OK	23.2561	11.75673
10	TTAATGCTAATCG	4.143309	3.018884	0	0	13.91671	7.709497	0	10.67559	0	0.885362	1.082214	0.996036	0	1.506966	15.27306	1.188971	0	1.322851	3.296522	0.399953	3.270796	-0.5924	1.119435	0.596669	NaN	Low	3.933046	2.608546
10	TTAATGCTAATCG	0	0	0	0	0	5.139665	0	1.186176	1.174575	0	0	0	0	0.753483	3.941436	0.594486	1.191446	0	1.098841	0	0.754005	-0.34761	1.18967	0.770143	NaN	Low	0.844404	0.663606
10_	TTAATGCTAATCG	3.107481	3.018884	4.455941	1.297257	0	2.569832	1.039688	7.117058	4.6983	2.656087	0	0	0.332572	0.376742	3.941436	0	1.191446	0	0	1.199858	1.850129	-1.01743	1.065375	0.339581	NaN	Low	2.476751	1.223507
11	AGCTTATCAGACT	9.322444	13.58498	5.941255	0	3.479177	7.709497	6.238126	2.372353	2.34915	5.312175	8.657714	6.972252	5.321159	2.637191	7.882871	3.566914	20.25458	5.291402	5.494204	1.599811	6.199363	-0.89008	0.734392	0.225516	NaN	Low	8.053287	4.345439
11	AGGTAGATAGAA(	25.89568	3.018884	2.970628	15.56708	3.479177	2.569832	6.238126	3.558529	14.0949	7.968262	7.5755	0	6.318876	2.637191	4.434115	5.944857	10.72301	14.55136	4.395363	15.59816	7.876976	0.374484	0.760994	0.62265	NaN	Low	6.860356	8.893597
11_	AGGTAGATAGAA(	62.14963	34.71717	8.911883	23.35062	10.43753	2.569832	19.75407	22.53735	31.71352	21.2487	27.05536	7.968287	31.26181	10.92551	11.33163	30.31877	21.44603	35.71697	8.790727	29.5965	22.59009	-0.22203	0.624096	0.722021	0.816413	OK	24.32496	20.85523
11	AGGTAGATAGAA(	12.42993	9.056653	0	9.080798	3.479177	2.569832	6.238126	4.744705	11.74575	7.968262	8.657714	1.992072	8.979456	4.520899	4.926795	11.88971	27.40326	17.19706	3.296522	9.198913	8.268782	-0.35806	0.70756	0.612819	NaN	Low	9.289664	7.247899
11	AGGTAGATAGAA(	1.035827	1.509442	0	0	0	0	1.039688	0	0	1.770725	0	0	1.662862	1.506966	0.492679	1.783457	1.191446	0	0	0	0.599655	-1.8918	1.187009	0.110991	NaN	Low	0.944732	0.254577
11_	ATGCACTACCATC	1.035827	1.509442	17.82377	3.891771	0	0	5.198438	2.372353	0	0	2.164428	1.992072	1.33029	0	0.492679	0	0	0	0	0	1.890553	-2.00088	1.184642	0.091217	NaN	Low	3.025253	0.755853
11	ATGCACTACCATC	19.68072	1.509442	25.25033	5.189028	3.479177	0	11.43656	9.489411	3.523725	4.426812	8.657714	3.984144	4.323442	1.130225	2.463397	2.972429	3.574338	1.322851	0	0.399953	5.640685	-3.08257	1.020589	0.002525	NaN	Low	10.09025	1.191118
11	ATGCACTACCATC	21.75237	1.509442	10.3972	11.67531	3.479177	5.139665	18.71438	13.04794	5.872875	9.738987	6.493285	9.960359	8.314311	2.260449	3.448756	10.70074	2.382892	2.645701	1.098841	0.799905	7.471629	-2.63907	0.853885	0.001997	NaN	Low	12.87622	2.067037
11_	ATGGCTGCTGTA/	1.035827	0	0	0	0	7.709497	0	7.117058	0	0.885362	2.164428	0	0	0.753483	0	0	0	0	0	0	0.983283	-1.196	1.181393	0.311362	NaN	Low	1.369015	0.597551
11	ATGTACTACCATC	0	0	7.426569	2.594514	0	0	1.039688	1.186176	3.523725	0	0	0.996036	0	0	0	0	0	0	0	0	0.838335	-1.17388	1.179812	0.319748	NaN	Low	1.161752	0.514919
11	CGCTTATCAGACT	0	0	11.88251	2.594514	0	0	0	0	1.174575	0	1.082214	0	0	0	0	0	0	0	0	0	0.836691	-0.73152	1.107232	0.508821	NaN	Low	1.044382	0.628999
11	CTTTGGTTATCTA(	0	0	0	0	0	0	0	0	0	0	2.164428	0	2.328007	0	0.492679	0	0	0	2.197682	1.999764	0.459128	1.427765	1.189704	0.2301	NaN	Low	0.24883	0.669426
11	GGCGGCCCGCCG	0	1.509442	1.485314	1.297257	6.958353	0	35.34938	0	0	3.54145	8.657714	1.992072	1.33029	0.753483	0	0	2.382892	2.645701	30.76754	0	4.933545	1.341	1.157354	0.246588	NaN	Low	2.792624	7.074465
11	GGCGGCCCGCCG	0	0	0	0	0	0	5.198438	0	0	0	0	0	0	0	0	0	1.191446	1.322851	2.197682	0	0.495521	0.440487	1.089763	0.686063	NaN	Low	0.420456	0.570585
12	GCTTATCAGACTG	6.214963	9.056653	17.82377	7.783541	6.958353	5.139665	6.238126	2.372353	4.6983	3.54145	3.246643	2.988108	2.66058	2.260449	4.434115	0.594486	4.765784	0	3.296522	0.799905	4.743688	-1.21204	0.818351	0.138586	NaN	Low	6.626846	2.86053
12	GCTTATCAGACTG	1.035827	4.528326	13.36782	11.67531	6.958353	5.139665	1.039688	3.558529	2.34915	1.770725	0	0	1.33029	0.753483	0	1.188971	2.382892	0	0	0	2.853952	-2.72723	1.146111	0.017334	NaN	Low	4.959014	0.74889
12	GCTTATCAGACTG	2.071654	3.018884	1.485314	6.486284	3.479177	7.709497	3.119063	1.186176	1.174575	0.885362	2.164428	0.996036	1.995435	0	0.492679	0.594486	2.382892	0	2.197682	0.399953	2.091979	-0.63046	0.94987	0.506859	NaN	Low	2.541942	1.642016
12	GGATGTAGCTCA(	2.071654	3.018884	14.85314	7.783541	10.43753	0	0	1.186176	4.6983	0	0	0	0.332572	0	0	0	0	1.322851	0	0	2.285232	-1.70941	1.192562	0.151745	NaN	Low	3.500166	1.070298
12	GGATGTAGCTCA(	1.035827	0	8.911883	3.891771	0	0	0	0	1.174575	0	0	0	0	0	0.492679	0	0	1.322851	0	0	0.841479	-1.14729	1.177641	0.329943	NaN	Low	1.159484	0.523475
12	GGATGTAGCTCA(	2.071654	1.509442	13.36782	1.297257	3.479177	0	0	0	0	1.770725	0	0	0	0	0	0	0	0	0	0	1.174804	-1.11308	1.174362	0.343223	NaN	Low	1.606782	0.742826
12	GGATGTAGCTCA(	0	0	17.82377	0	0	0	0	0	1.174575	0	0	0	0.332572	0	0	0	0	0	1.098841	0	1.021488	-0.2229	1.053666	0.83246	NaN	Low	1.100242	0.942733
12	GGATGTAGCTCA(	3.107481	0	5.941255	7.783541	0	0	1.039688	0	0	0	0	0	0.665145	0	0	0	0	0	0	0	0.926856	-0.99752	1.161125	0.390288	NaN	Low	1.235098	0.618613
12	GGATGTAGCTCA(	0	1.509442	7.426569	1.297257	3.479177	0	2.079375	0	0	0	0	0	0.332572	0	0	0	0	0	0	0	0.80622	-1.15401	1.178294	0.327389	NaN	Low	1.112506	0.499933
12	GGATGTAGCTCA(	10.35827	0	4.455941	5.189028	0	2.569832	1.039688	2.372353	0	0	0	0	0	0.376742	0.492679	0	0	0	1.098841	0	1.397669	-0.73023	1.191694	0.54003	NaN	Low	1.744026	1.051312
12	GGATGTAGCTCA(	4.143309	3.018884	8.911883	7.783541	3.479177	5.139665	1.039688	1.186176	1.174575	0	0	0	0	0	0	0	0	0	0	0	1.793845	-1.7173	1.192377	0.149801	NaN	Low	2.75105	0.83664
12	GGATGTAGCTCA(	4.143309	1.509442	19.30908	9.080798	6.958353	2.569832	3.119063	1.186176	0	0	0	0	0.332572	0	0	0	1.191446	0	0	0	2.470004	-1.83407	1.190161	0.123311	NaN	Low	3.857955	1.082052

12_TCTTATCAGACTG	0	1.509442	1.485314	9.080798	0	2.569832	1.039688	1.186176	2.34915	0	0	0.996036	0.665145	0	1.478038	0	0	1.322851	1.098841	0	1.239066	-0.89973	1.142553	0.431007	NaN	Low	1.613379	0.864752
12_TGCACTACCATCT	1.035827	0	10.3972	3.891771	0	2.569832	2.079375	1.186176	0	1.770725	2.164428	0	0.665145	0.376742	0.985359	1.783457	1.191446	1.322851	1.098841	0	1.625959	-1.38812	1.072299	0.195482	NaN	Low	2.352947	0.89897
12_TGCACTACCATCT	5.179136	6.037769	47.53004	16.86434	0	2.569832	2.079375	10.67559	4.6983	0	2.164428	6.972252	4.988587	0.376742	0.985359	4.1614	1.191446	3.968552	2.197682	0.399953	6.152039	-1.74401	1.035872	0.092256	NaN	Low	9.475324	2.828754
12_TGCACTACCATCT	9.322444	4.528326	32.6769	18.1616	10.43753	2.569832	5.198438	22.53735	2.34915	2.656087	6.493285	10.9564	9.977173	3.013933	3.941436	6.539343	2.382892	9.259954	6.593045	0.399953	8.499753	-1.28895	0.828883	0.119937	NaN	Low	12.0628	4.936704
12_TTTGGTTATCTAG	0	1.509442	0	0	0	0	0	0	0	0	0	0	5.986304	0	0	0	0	0	0	0.799905	0.414783	-0.02317	0.986692	0.981267	NaN	Low	0.418113	0.411452
13_GCACTACCATCTG	2.071654	1.509442	7.426569	1.297257	0	0	2.079375	3.558529	0	0	1.082214	3.984144	0.997717	0.376742	0	2.972429	2.382892	0	1.098841	0	1.54189	-1.29827	1.093957	0.235321	NaN	Low	2.192344	0.891437
13_GCACTACCATCTG	0	3.018884	4.455941	1.297257	0	0	4.158751	3.558529	0	0	3.246643	0.996036	2.66058	0	2.463397	2.377943	0	2.645701	0	0	1.543983	-2.4804	1.159298	0.03239	NaN	Low	2.618707	0.469259
43_GGAGCCCGGCGG	1.035827	1.509442	14.85314	1.297257	0	0	6.238126	2.372353	0	1.770725	5.411071	0.996036	0.332572	0	0	0	1.191446	0	10.98841	0.399953	2.419818	1.000192	1.125945	0.374372	NaN	Low	1.613069	3.226566
44_GAGCCCGGCGGG	0	1.509442	43.0741	3.891771	3.479177	2.569832	18.71438	4.744705	1.174575	0	4.328857	3.984144	1.33029	1.883708	0	0.594486	3.574338	7.937103	71.42465	1.199858	8.770771	2.019701	1.071624	0.059469	NaN	Low	3.470138	14.0714
44_GGATGCCTGGGA	9.322444	3.018884	0	3.891771	20.87506	25.69832	8.317501	18.97882	1.174575	4.426812	12.98657	14.94054	2.993152	10.92551	21.18522	4.755886	42.89206	6.614253	30.76754	11.99858	12.78818	0.749802	0.816418	0.358407	0.504122	OK	9.537855	16.0385
45_AGCCCGGCGGGC	2.071654	1.509442	169.3258	18.1616	34.79177	15.41899	36.38907	24.9097	11.74575	3.54145	22.7265	31.87315	6.318876	3.390674	0.492679	1.783457	9.531568	10.5828	172.518	2.399716	28.97413	1.530575	1.023697	NaN	NaN	Outlier	14.90052	43.04775
45_GATGCCTGGGAG	0	0	1.485314	0	3.479177	0	2.079375	2.372353	0	0	2.164428	0	0.665145	0.753483	0.985359	4.755886	1.191446	0	0	0	0.996598	-2.06681	1.180529	0.079989	NaN	Low	1.609122	0.384075
45_GATGCCTGGGAG	6.214963	3.018884	4.455941	11.67531	34.79177	20.55866	5.198438	15.42029	3.523725	7.968262	9.739928	7.968287	2.993152	9.418539	20.19986	7.728315	21.44603	5.291402	28.56986	6.399244	11.62904	0.636717	0.67955	0.348774	0.495521	OK	9.103727	14.15436
45_GGATAAATTGCAC	0	4.528326	0	6.486284	3.479177	0	2.079375	3.558529	0	0.885362	3.246643	0	0.997717	2.637191	0.985359	2.377943	0	2.645701	2.197682	1.199858	1.865257	-0.15015	0.930411	0.871797	NaN	Low	1.962232	1.768283
46_ATGCCTGGGAGT	13.46575	19.62275	8.911883	22.05337	24.35424	35.97765	9.357189	20.165	5.872875	5.312175	4.328857	10.9564	5.321159	8.288315	19.70718	5.350372	15.4888	5.291402	19.77913	7.599102	13.36018	0.058776	0.628351	0.925474	0.955515	OK	13.08807	13.63229
46_ATGCCTGGGAGT	5.179136	12.07554	1.485314	5.189028	0	5.139665	2.079375	5.930882	3.523725	0.885362	0	0.996036	0.665145	0	1.478038	0	1.191446	0	1.098841	0	2.345876	-1.53047	1.108002	0.167189	NaN	Low	3.485277	1.206476
46_ATGTCTGGGAGTT	6.214963	1.509442	1.485314	1.297257	0	0	0	3.558529	1.174575	0	0	0	0	0	0.985359	0	1.191446	0	0	0	0.870844	-1.56135	1.193413	0.19077	NaN	Low	1.300899	0.440789
46_GCCTGTCAGAGCC	0	0	0	0	0	0	7.277814	0	0	0	0	0	0	0	0	0	0	0	0	0	0.363891	-0.05729	0.435474	0.895338	NaN	Low	0.371115	0.356667
47_ATAAATTGCACAA	3.107481	6.037769	1.485314	3.891771	0	0	5.198438	1.186176	0	0.885362	5.411071	0	1.33029	3.390674	1.478038	1.188971	5.95723	1.322851	1.098841	0.399953	2.168512	-1.43719	0.969563	0.138258	NaN	Low	3.167363	1.16966
47_CTCCGGCGCTGCC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.972429	0	0	0	0	0.148621	-0.16405	0.691405	0.812448	NaN	Low	0.157062	0.140181
47_TCCGGTTCTCAGG	0	0	1.485314	0	3.479177	0	1.039688	0	1.174575	0	0	1.992072	0.665145	1.883708	1.478038	0.594486	0	0	0	0	0.68961	-1.83909	1.188726	0.121838	NaN	Low	1.077938	0.301282
47_TCCGGTTCTCAGG	0	6.037769	0	2.594514	0	0	0	0	0	0	1.082214	3.984144	1.995435	1.506966	0.492679	0	0	0	0	0	0.884686	-1.56993	1.193419	0.188346	NaN	Low	1.323563	0.445809
47_TGCCTGGGAGTTC	9.322444	13.58498	4.455941	15.56708	17.39588	12.84916	6.238126	8.303235	4.6983	4.426812	3.246643	1.992072	3.990869	5.651124	11.33163	8.3228	11.91446	3.968552	16.48261	4.799433	8.427108	0.347979	0.592862	0.557239	NaN	Low	7.415695	9.438521
47_TGCCTGGGAGTTC	11.3941	13.58498	4.455941	15.56708	3.479177	7.709497	4.158751	7.117058	5.872875	0.885362	0	0.996036	0.997717	0	0.985359	0.594486	2.382892	1.322851	0	0	4.075208	-3.06284	1.125814	0.006517	NaN	Low	7.279288	0.871128
48_CTTGGGCTCCTGC	0	0	0	0	0	0	0	0	0	0	1.082214	0	0	0	0	0	0	0	0	2.399716	0.174097	1.248958	0.91821	0.173764	NaN	Low	0.103116	0.245077
48_CTTGGGCTCCTGC	1.035827	0	0	0	0	0	0	0	0	0.885362	0	0	0	0.753483	0.492679	0.594486	0	2.645701	0	1.999764	0.420365	0.964079	1.176888	0.412686	NaN	Low	0.284914	0.555816
48_GCCTGGGAGTTGI	7.25079	12.07554	4.455941	5.189028	3.479177	0	0	10.67559	2.34915	0.885362	0	0	0.665145	0.376742	0	0	0	0	0	0	2.370123	-1.99946	1.184967	0.091534	NaN	Low	3.791915	0.948331
48_GCCTGGGAGTTGI	8.286617	10.56609	0	3.891771	6.958353	5.139665	1.039688	7.117058	0	0	1.082214	0	0.332572	0	0.492679	0.594486	0	0	0	0.399953	2.295058	-1.6202	1.169074	0.165782	NaN	Low	3.463481	1.126635
48_TCTCTCGGCTCCT	0	0	2.970628	5.189028	0	0	0	13.04794	1.174575	0	0	0.996036	0.997717	1.130225	0	0	1.191446	0	0	0.799905	1.374875	-0.84789	1.187692	0.475291	NaN	Low	1.767649	0.9821
48_TCTCTCGGCTCCT	1.035827	0	22.27971	28.53965	3.479177	5.139665	1.039688	23.72353	5.872875	2.656087	1.082214	0.996036	3.658297	1.130225	1.970718	0.594486	1.191446	3.968552	1.098841	1.999764	5.572839	-1.36567	1.033845	0.186514	NaN	Low	8.029711	3.115967
48_TCTCTCGGCTCCT	1.035827	3.018884	5.941255	1.297257	0	2.569832	0	2.372353	4.6983	0.885362	0	0	0.997717	1.506966	3.448756	0	0	3.968552	0	3.199622	1.747034	0.053086	1.011057	0.958126	NaN	Low	1.714895	1.779173
48_TCTCTCGGCTCCT	2.071654	0	7.426569	9.080798	3.479177	0	2.079375	24.9097	1.174575	0.885362	2.164428	1.992072	4.656014	1.130225	3.941436	3.566914	1.191446	3.968552	0	2.399716	3.805901	-1.21096	0.977466	0.215392	NaN	Low	5.315572	2.296229
48_TCTCTCGGCTCCT	1.035827	0	10.3972	12.97257	0	2.569832	1.039688	16.60647	0	1.770725	2.164428	0.996036	4.988587	0.376742	2.463397	9.511772	1.191446	2.645701	0	1.599811	3.616511	-1.48975	1.048893	0.155518	NaN	Low	5.333798	1.899224
48_TCTCTTGGCTCCT	0	0	1.485314	3.891771	0	0	0	7.117058	0	0	0	0	0.665145	0	0	0.594486	0	0	0	0.399953	0.707686	-0.60894	1.177204	0.604964	NaN	Low	0.854859	0.560513
48_TTAGCTCCCTCTTC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.399716	0.119986	1.59701	1.478747	0.280153	NaN	Low	0.059618	0.180354
49_AAATTGCACAACT	1.035827	4.528326	1.485314	0	0	7.709497	15.59531	3.558529	2.34915	0.885362	16.23321	2.988108	2.993152	4.89764	0.492679	1.783457	39.31772	11.90566	23.07566	3.599575	7.221709	0.794723	0.986651	0.420545	NaN	Low	5.281451	9.161967
49_CCTGGGAGTTGCC	8.286617	19.62275	0	7.783541	0	10.27933	4.158751	11.86176	8.222024	2.656087	2.164428	9.960359	7.316594	5.651124	7.390192	5.350372	11.91446	1.322851	5.494204	6.399244	6.791734	-0.18678	0.675071	0.782023	NaN	Low	7.230774	6.352694
50_AATTGCACAACTC	8.286617	10.56609	2.970628	11.67531	0	5.139665	1.039688	1.186176	1.174575	0	6.493285	1.992072	0.665145	1.130225	0.492679	1.188971	1.191446	0	1.098841	0.399953	2.834569	-1.48772	1.046975	0.155325	NaN	Low	4.179006	1.490132
50_CTGGGAGTTGCGG	2.071654	3.018884	5.941255	10.37806	3.479177	2.569832	5.198438	3.558529	2.34915	2.656087	0	6.972252	1.995435	2.260449	3.448756	0.594486	1.191446	2.645701	3.296522	1.199858	3.241298	-0.59273	0.790436	0.453326	NaN	Low	3.897934	2.584663
50_CTGGGAGTTGCGG	1.035827	7.547211	1.485314	0	0	0	0	2.372353	1.174575	0	0	0	0	0.376742	0	0	0	0	0	0	0.699601	-1.15839	1.178717	0.325728	NaN	Low	0.966292	0.432911
51_ATTGCACAACTCT	5.179136	6.037769	7.426569	2.594514	3.479177	2.569832	2.079375	1.186176	0	0.885362	1.082214	0	1.33029	0.753483	0.492679	0.594486	0	0	1.098841	0	1.839495	-1.43703	1.076716	0.181993	NaN	Low	2.686716	0.992274
51_TGGGAGTTGCGA	1.035827	3.018884	1.485314	2.594514	3.479177	2.569832	0	3.558529	0	0.885362	0	0	0.332572	0	2.463397	0	0	0	1.098841	0.399953	1.14611	-0.40422	1.112104	0.716249	NaN	Low	1.30563	0.98659
6_TCCACATGCACTAC	4.143309	3.018884	16.33845	2.594514	0	5.139665	10.39688	8.303235	3.523725	3.54145	0	2.988108	2.328007	1.506966	1.970718	5.350372	1.191446	2.645701	1.098841	0	3.804013	-2.47616	0.993983	0.012733	NaN	Low	6.448999	1.159027
6_TCCACATGCACTAC	4.143309	3.018884	13.36782	14.26983	6.958353	0	6.238126	10.67559	7.04745	4.426812	5.411071	4.98018	4.988587	2.637191	5.419474	5.944857	10.72301	7.937103	0	0.399953	5.92938	-3.40138	0.935341	0.000276	NaN	Low	10.83346	1.025296
7_CCACATGCACTACC	1.035827	3.018884	2.970628	9.080798	3.479177	7.709497	3.119063	4.744705	2.34915	4.426812	0	1.992072	2.66058	1.506966	1.970718	4.1614	5.95723	7.937103	1.098841	0.399953	3.48097	-2.01189	0.897866	0.025042	NaN	Low	5.578711	1.383229
7_CCACATGCACTACC	3.107481	3.018884	8.911883	14.26983	10.43753	17.98883	2.079375	53.37794	4.6983	5.312175	12.98657	10.9564	8.314311	9.041798	11.82431	24.37392	20.25458	9.259954	4.395363	2.399716	11.85046	-1.70625	0.78403	0.029536	0.093945	OK	18.14138	5.559536
7_CTACATGCACTACC	0	0	4.455941	0	0	2.569832	1.039688	5.930882	1.174575	0	0	0	0	0.376742	0.492679	1.188971	0	0	0	0	0.861466	-1.56896	1.193419	0.188619	NaN	Low	1.288605	0.434326
8_CACATGCACTACCA	1.035827	0	1.485314	2.594514	0	2.569832	5.198438	2.372353	1.174575	0	1.082214	1.992072	1.33029	0	0.492679	0.594486	1.191446	0	0	0.399953	1.1757	-1.42703	1.103278	0.195856	NaN	Low	1.713979	0.63742
8_CACATGCACTACCA	9.322444	9.056653	31.19159	9.080798	3.479177	0	20.79375	4.744705	3.523725	5.312175	6.493285	6.972252	3.990869	0.753483	1.970718	2.972429	0	5.291402	2.197682	0.799905	6.397352	-1.81206	0.938387	0.053478	NaN	Low	9.958644	2.83606
8_CACATGCACTACCA	29.00316	34.71717	49.01536	23.35062	10.43753	7.709497	19.75407	33.21294	17.61862	14.1658	10.82214	7.968287	14.63319	8.288315	13.30235	23.77943	11.91446	15.87421	5.494204	1.999764	17.65306	-2.28093	0.64763	0.000428	0.004493	OK	29.28109	6.025024
8_CACATGTACTACCA	11.3941	3.018884	11.88251	5.189028	0	5.139665	2.079375	3.558529	5.872875	0	0	0	0.665145	0.753483	0	0	0	0	0	0	2.47768	-2.11394	1.180394	0.073313	NaN	Low	4.025424	0.929935
9_ACATGCACTACCAT	2.071654	1.509442	11.88251	3.891771	0	0	5.198438	3.558529	0	0.885362	2.164428	2.988108	1.33029	0	0.492679	3.566914	0	0	0	0	1.977006	-2.52411	1.157689	0.029235	NaN	Low	3.368423	0.585589
9_ACATGCACTACCAT	11.3941	13.58498	32.6769	11.67531	0	7.709497	23.91282	13.04794	4.6983	3.54145	4.328857	4.98018	4.323442	1.506966	2.463397	11.88971	2.382892	6.614253	2.197682	0.799905	8.186429	-2.19566	0.883654	0.012964	NaN	Low	13.43917	2.933688
9_ACATGCACTACCAT	18.64489	15.09442	35.64753	16.86434	13.91671	15.41899	16.635	24.9097	21.14235	12.39507	9.739928	5.976216	11.64004	7.534831	7.882871	22.59046	16.68024	13.22851	4.395363	1.999764	14.61686	-2.25329	0.612682	0.000235	0.002821	OK	24.16519	5.068532
9_ACATGTACTACCAT	9.322444	0	5.941255	2.594514	3.479177	2.569832	1.039688	3.558529	0	0	1.082214	0	0.997717	0	0	1.188971	0	0	0	0	1.588717	-1.98858	1.184797	0.093266	NaN	Low	2.537914	0.63952
9_CATCGAGGCTAGAC	5.179136	0	4.455941	2.594514	0	0	1.039688	0	0	0	0	0	0	0	0	0	0	0	0	0	0.663464	-0.77356	1.118589	0.489223	NaN	Low	0.837192	0.489736
9_CATCGAGGCTAGAC	6.214963	3.018884	0	1.297257	0	0	7.277814	0	0	0	0	0.996036	0	0	0	0	0	0	0	0	0.940248	-0.96354	1.156227	0.404651	NaN	Low	1.243057	0.637438
9_GCGGCGGCCCGCC	0	0	0	2.594514	0	0	14.55563	2.372353	0	1.770725	6.493285	1.992072	1.662862	1.883708	0.985359	0	5.95723	0	28.56986	1.999764	3.541868	2.043235	1.07164	0.056567	NaN	Low	1.383086	5.70065
9_GTAGCTTATCAGAC	3.107481	10.56609	2.970628	1.297257	0	2.569832	3.119063	1.186176	3.523725	6.197537	7.5755	0.996036	2.328007	2.260449	6.897512	4.755886	11.91446	5.291402	2.197682	2.799669	4.07772	-0.67124	0.747703	0.369326	NaN	Low	5.009588	3.145852

Sample names	mCRPC-Adeno22	mCRPC-Adeno23	mCRPC-Adeno24	mCRPC-Adeno25	mCRPC-Adeno26	mCRPC-Adeno27	mCRPC-Adeno28	mCRPC-Adeno29	mCRPC-Adeno30	mCRPC-Adeno31	mCRPC-Adeno32	mCRPC-Adeno33	mCRPC-Adeno34	mCRPC-Adeno35
43_TTAGTGCACTACAGAACTTTGTTT_hsa-m	38.3256048	37.73605335	10.39719652	25.94513785	73.06271065	12.84916224	38.46844355	3.558529081	9.396599351	9.738987274	11.90435643	98.60755745	20.9520641	8.288314632
49_AATTGCACGGTATTCATCTGTA_hsa-mi	32.11064186	39.24549548	37.13284471	42.80947746	0	25.69832447	23.91281626	20.16499812	28.18979805	7.082899836	3.246642661	1.992071868	4.656014245	6.027865187
49_AATTGTACGGTATCCATCTGTAA_hsa-mi	31.0748147	24.15107414	25.2503344	37.62044989	13.91670679	5.139664894	6.238125981	21.35117448	3.523724756	1.770724959	4.328856882	1.992071868	2.993152015	3.767415742
5_TGTAAACATCCTCGACTGGAAGT_hsa-mi	12.42992588	48.30214829	19.30907925	33.72867921	10.43753009	17.98882713	7.277813645	29.654409	14.09489903	11.50971223	36.7952835	32.86918582	36.58296907	9.04179778
10_ATCGAGGGCTAGAGTCACGCTTGGGTATC	39.36143195	28.67940054	5.941255153	15.56708271	27.83341358	43.6871516	32.23031757	32.02676172	10.57117427	32.75841174	10.8221422	6.972251537	4.656014245	1.506966297
43_TTAGTGCACTACAGAACTTTGT_hsa-mi	2990.433001	837.7403843	378.755016	1027.427459	1475.17092	156.7597793	1201.878939	179.1126304	321.8335278	868.5405924	207.7851303	1511.982548	507.1729803	158.2314612
50_ATTGCACGGTATCCATCTGTATT_hsa-mi	22.78819745	36.22661121	41.58878607	66.16010153	0	20.55865958	31.19062991	33.21293809	8.222024432	21.24869951	7.575499543	28.88504208	20.28691921	20.72078658
47_TGCACTACAGAACTTTGT_hsa-mir-148	64.22128371	1.509442134	17.82376546	38.91770678	6.958353396	12.84916224	33.27000523	2.37235272	5.872874594	31.87304926	2.164428441	75.69873097	20.61949166	1.130224723
52_CGTACTGTGAGTAATAATGCG_hsa-mir-	22.78819745	25.66051628	13.36782409	25.94513785	34.79176698	12.84916224	20.79375327	17.7926454	16.44404886	9.738987274	4.328856882	5.976215603	9.31202849	6.781348335

SampleGroup	control	control	control	control	control	control	control	control	control	control	control	control	control	control	control	control	control	test	test

Sample name	GSM70-dilu1a30	GSM70-dilu1a15	GSM70-dilu1a60	GSM70-dilu1a30	GSM70-dilu1a7	GSM70-dilu1a60	GSM70-dilu1a30	GSM70-dilu1a60	GSM70-dilu1a30	GSM70-dilu1a7	GSM70-dilu1a7	GSM70-dilu1a7	GSM70-dilu1a7	GSM70-dilu1a60	GSM70-dilu1a60	GSM70-dilu1a60	GSM70-dilu1a30
Vcu.chr8.1004.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1006.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1008.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1009.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1010.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1012.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1014.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1016.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1017.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1018.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1019.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1020.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1021.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1022.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1023.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1024.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1025.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1026.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1027.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1028.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1029.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1030.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1031.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1032.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1033.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1034.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1035.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1036.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1037.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1038.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1039.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1040.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1041.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1042.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1043.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1044.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1045.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1046.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1047.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1048.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1049.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1050.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1051.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1052.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1053.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1054.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1055.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1056.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1057.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1058.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1059.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1060.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0
Vcu.chr8.1061.G	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0000.0000	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0	0.0.0.0.0.0.0.0

mCRPC-Adeno37	mCRPC-Adeno38	mCRPC-Adeno39	mCRPC-NE10	mCRPC-NE11	baseMean	log2FoldChange	lfcSE	pvalue	padj	status	comparison
50.53128724	1.19144605	80.69388404	3.29652247	1.999763682	30.36276121	-3.201649909	0.779548752	0.0000401	0.000835841	OK	5.95342286
10.10625745	4.7657842	39.68551674	5.494204117	0.799905473	32.30527477	-3.159143925	0.768992953	0.0000399	0.000835841	OK	6.50463941
38.04708686	46.46639595	116.4108491	37.36058799	1.999763682	241.3153373	-3.019706489	0.892072217	0.00071166	0.006326971	OK	52.97797062
236.6053214	9.531568399	313.5155823	30.76754305	3.199621892	153.3594781	-2.967500791	0.725189765	0.0000428	0.00086045	OK	34.76829323
236.6053214	32.16904335	66.1425279	0	5.599338311	38.57618054	-2.862119885	0.972551981	0.00325157	0.018528161	OK	9.328249946
0.594485732	22.63747495	9.259953907	1.098840823	0.799905473	11.49961561	-2.82284383	0.962555965	0.003360779	0.018935592	OK	2.848005374
63088.01487	11496.26294	12171.54799	3056.975171	659.5220624	16391.47346	-2.791962519	0.807356513	0.000543892	0.005257623	OK	4136.277532
74.31071652	1.19144605	173.2934231	12.08724906	1.199858209	48.21250967	-2.648418498	0.783766494	0.000727259	0.00636088	OK	13.26378616
270.4910081	2361.446071	1322.850558	196.6925074	52.39380848	928.2972217	-2.626072157	0.780050398	0.000761171	0.006549685	OK	258.8154598
897.6734556	5981.059171	1326.81911	368.1116758	276.3673409	1385.291652	-2.061135393	0.607629854	0.000693616	0.006282812	OK	535.5702907
99.27911727	193.0142601	44.97691898	26.37217976	60.79281594	186.3153244	-1.944484543	0.754019823	0.009913723	0.042214013	OK	76.84686948
27.34634368	9.531568399	7.937103349	4.395363293	4.399480101	18.35382208	-1.922117455	0.731526382	0.008600382	0.038898977	OK	7.663729159
65.98791627	231.1405337	166.6791703	32.9652247	17.19796767	79.26632605	-1.668576428	0.584077024	0.004279696	0.022809622	OK	37.93547904
1856.578942	756.5682417	957.7438041	256.0299118	319.5622364	800.3266359	-1.482282648	0.555871777	0.007662487	0.035660039	OK	421.9013212
25.56288648	45.2749499	42.33121786	19.77913482	18.39782588	49.69332423	-1.406398438	0.486705014	0.003856929	0.021010674	OK	27.22365465
2150.254893	4525.112098	4784.750469	5872.20536	6086.880696	2942.114674	1.162429984	0.412554614	0.004837816	0.024844203	OK	4067.178907
1682.989108	866.1812783	1213.053962	3115.213734	2611.691369	1398.637369	1.183158151	0.366910809	0.001261277	0.009211994	OK	1942.030778
89.17285983	45.2749499	109.7965963	149.442352	146.7826543	71.91831054	1.190591266	0.417378035	0.004337014	0.022990835	OK	100.0168932
1498.698531	2135.071321	3164.258535	2925.114272	2917.25526	1405.268048	1.198085744	0.432659468	0.005620803	0.028132545	OK	1957.39792
416.1400125	189.4399219	542.3687288	712.0488535	333.1606295	225.7527231	1.362640059	0.529368232	0.01005049	0.042316818	OK	325.0883364
45.77540138	85.78411559	39.68551674	132.9597396	92.78903486	47.72934379	1.406216835	0.513447451	0.006166864	0.030101622	OK	69.30857678
78.47211665	126.2932813	136.2536075	241.7449811	203.1759901	93.94914053	1.431412098	0.441682761	0.001191885	0.008836082	OK	137.0752068
1132.49532	893.5845374	1534.506647	1963.628551	1407.43368	678.0335861	1.478312832	0.575992505	0.010271619	0.042733403	OK	997.9092616
7.133828786	13.10590655	54.23687288	73.62233516	57.59319405	25.85768261	1.493391136	0.587888791	0.011076968	0.044761847	OK	38.16134463
3051.495263	2137.454214	1844.053678	5716.169963	3826.34783	1887.435727	1.546356155	0.455920747	0.00069455	0.006282812	OK	2812.08684
215.7983208	197.7800443	383.6266618	835.1190257	268.7682389	211.9121454	1.586346149	0.507984791	0.00179126	0.011855391	OK	317.9444144
101.6570602	101.2729142	59.52827511	73.62233516	297.9647887	68.22538179	1.682475721	0.50683436	0.000901539	0.007469896	OK	104.0379844
193.207863	366.9653834	215.624641	687.8743554	489.5421494	212.6180403	1.696353384	0.5151703	0.000991946	0.008016874	OK	324.9636518
373.3370398	507.5560173	545.0144299	794.4619153	2030.560043	488.2961633	1.769227392	0.560190181	0.001587128	0.010792471	OK	755.078204
68.96034493	48.84928805	78.04818293	263.7217976	189.1776443	70.18489917	2.03601471	0.425424429	0.0000017	0.000119778	OK	112.8523017
4028.235321	13027.27111	9159.417264	10158.78341	32342.57799	6181.68095	2.057529685	0.66249098	0.001897987	0.012231474	OK	9968.628109
6.539343054	10.72301445	6.61425279	9.88956741	115.1863881	16.76554938	2.11343616	0.834522482	0.011324928	0.045537464	OK	27.23678764
18.4290577	25.02036705	13.22850558	53.84320034	82.39026371	18.16213757	2.217160481	0.71682601	0.001981277	0.012603479	OK	29.8949423
23.18494356	30.9775973	11.90565502	47.2501554	104.787617	18.55243741	2.264213469	0.880775785	0.010149215	0.042403078	OK	30.71180837
39.83054406	64.3380867	50.26832121	74.72117599	660.3219679	93.18988895	2.348601093	0.657931285	0.000357424	0.004004772	OK	155.7921267
4.755885857	63.14664065	14.55135614	87.90726587	105.9874752	23.63457429	2.384706826	0.738710951	0.001245718	0.009166251	OK	39.67251106
7542.240484	11994.28738	9790.41698	90597.2282	35999.34586	14239.6371	2.654530059	0.615241188	0.000016	0.00049263	OK	24576.08559
480.9389573	667.209788	328.0669384	809.8456868	3236.817496	414.5373512	2.851591168	0.669149833	0.0000203	0.00060668	OK	728.1889969
57.07063029	141.7820799	181.2305265	3262.458405	5324.970733	717.9598085	3.291868734	0.815306467	0.000054	0.001044085	OK	1302.887727
0	1.19144605	22.48845949	176.9133726	93.1889876	16.96145543	3.685486433	1.411898278	0.009046129	0.039881789	OK	31.4764212
20.21251489	106.0386984	41.0083673	189.0006216	719.9149256	69.0768833	3.772498571	0.696731444	6.14E-08	0.0000121	OK	128.7336384
1.783457197	4.7657842	6.61425279	294.4893407	23.99716419	17.8242119	5.054350495	1.017212804	0.000000674	0.0000664	OK	34.606941
0.594485732	2.3828921	6.61425279	313.1696347	0.799905473	17.26306388	5.238549248	0.999543668	0.00000016	0.0000263	OK	33.63521786
0	1.19144605	2.645701116	216.4716422	0	11.56715481	5.334851824	1.31780096	0.0000516	0.00101738	OK	22.57496852
4.161400125	1.19144605	6.61425279	528.542436	1.199858209	29.5829965	5.372729022	0.889921122	1.57E-09	0.000000773	OK	57.77167333
1.188971464	0	2.645701116	342.8383369	0	18.02581709	5.722747813	1.313413878	0.0000132	0.000419094	OK	35.38165789
1.783457197	3.57433815	0	561.5076607	0.399952736	30.16041702	5.743157061	0.977320612	4.19E-09	0.00000103	OK	59.21530182
1.188971464	0	0	315.3673163	0	16.56166207	5.784384777	1.252859993	0.00000389	0.00019199	OK	32.53305308
0.594485732	0	2.645701116	148.3435112	174.7793458	16.95650887	6.66301013	0.899438945	1.28E-13	1.26E-10	OK	33.58163043
0	0	2.645701116	495.5772113	0	25.02756446	6.72654734	1.521432371	0.00000982	0.000333734	OK	49.5868827
control	control	control	test	test							
mCRPC-Adeno36	mCRPC-Adeno37	mCRPC-Adeno38	mCRPC-NE6	mCRPC-NE7							