

**Table S1.** Comparison between 184 countries and regions displaying a significant association between the variation of number of deaths/million and the variation of the percentage of staying at home, after False Discovery Rate (FDR B-H) analysis. Intercept and the coef. isolation  $\beta_0$  and  $\beta_1$  are from the linear regression formula; Shapiro is the test for normality; white is the test for heteroskedasticity; LM is the Lagrange Multiplier test for autocorrelation, Reset is the Ramsey's RESET test for functional specification (all should have a p-value  $\geq 0.05$  for a valid comparison), Coit=the p-value of the Phillips-Perron test applied to the residual of the regression (for a valid comparison, p-value $<0.05$ ).

Region A	Region B	intercept	coef_isol	P-value (RStudi Shapiro)	White	LM.test (autocor)	Reset	Coit	P-value (by Python)	FDR B-H
Saudi Arabia	Moldova	-0.053	-0.480	0.000	0.841	0.734	0.037	0.680	0.010	0.000
State of Minas Gerais	State of Espírito Santo	-0.272	14.073	0.000	0.358	0.331	0.702	0.013	0.010	0.000
United Arab Emirates	Sweden	0.647	-2.109	0.001	0.035	0.094	0.210	0.002	0.010	0.001
South Korea	Italy	0.125	1.724	0.001	0.002	0.499	0.512	0.031	0.021	0.001
Turkey	Kuwait	0.148	0.430	0.001	0.156	0.020	0.100	0.027	0.070	0.001
Turkey	Sweden	-0.096	-1.526	0.002	0.095	0.693	0.429	0.574	0.010	0.002
Qatar	Moldova	-0.241	-0.515	0.002	0.726	0.734	0.901	0.488	0.010	0.002
Sweden	Saudi Arabia	-0.524	-1.539	0.002	0.037	0.835	0.477	0.226	0.010	0.002
Kuwait	Australia	-0.030	0.311	0.002	0.412	0.002	0.334	0.006	0.010	0.002
Japan	Italy	-0.270	1.340	0.003	0.026	0.411	0.467	0.319	0.017	0.003
Kuwait	Greece	-0.076	0.302	0.003	0.821	0.011	0.090	0.011	0.010	0.003
Tokyo - JP	Italy	-0.437	1.345	0.004	0.011	0.752	0.314	0.471	0.025	0.004
Kuwait	Israel	-0.591	0.369	0.004	0.085	0.957	0.943	0.074	0.021	0.004
Saudi Arabia	Oman	-0.095	0.327	0.004	0.093	0.215	0.926	0.181	0.010	0.004
Belarus	Australia	0.023	0.117	0.004	0.185	0.661	0.154	0.923	0.010	0.004
Ukraine	Libya	-0.045	0.144	0.004	0.020	0.000	0.392	0.002	0.010	0.004
Turkey	Oman	-0.190	0.372	0.005	0.620	0.353	0.206	0.225	0.010	0.005
Sweden	Australia	-1.036	-2.432	0.005	0.073	0.852	0.477	0.197	0.010	0.005
Sweden	Macedonia	-0.326	-2.268	0.005	0.332	0.893	0.322	0.174	0.010	0.005
Saudi Arabia	Qatar	0.198	-0.490	0.005	0.968	0.757	0.014	0.730	0.010	0.005
Switzerland	Colombia	-2.257	-1.030	0.005	0.016	0.899	0.083	0.103	0.082	0.005
Libya	Israel	-0.322	0.262	0.005	0.005	0.542	0.022	0.779	0.010	0.005
State of Pará	Kuwait	-0.228	-2.315	0.005	0.966	0.374	0.091	0.619	0.087	0.005
Oman	Kuwait	0.318	0.437	0.005	0.671	0.076	0.002	0.248	0.010	0.005
State of Roraima	State of Amapá	-0.628	-4.023	0.005	0.230	0.078	0.137	0.784	0.010	0.005
Sweden	Romania	-0.509	-1.922	0.005	0.002	0.526	0.940	0.578	0.010	0.005
State of Minas Gerais	Kuwait	1.037	0.451	0.006	0.080	0.871	0.285	0.084	0.010	0.006
State of Roraima	State of Maranhão	-0.310	-3.548	0.006	0.026	0.356	0.288	0.919	0.010	0.006
Sweden	Qatar	-0.499	-1.910	0.006	0.028	0.692	0.830	0.437	0.010	0.006
Romania	Finland	0.664	-0.684	0.006	0.090	0.062	0.074	0.931	0.010	0.006
Libya	Kuwait	0.238	0.261	0.006	0.251	0.012	0.674	0.001	0.010	0.006
State of Amapá	New York	0.451	18.260	0.006	0.038	0.075	0.070	0.237	0.052	0.006
Netherlands	Colombia	-2.247	-1.247	0.007	0.000	0.937	0.095	0.795	0.060	0.007
Kuwait	Japan	0.067	0.198	0.007	0.526	0.001	0.876	0.001	0.010	0.007
State of Mato Grosso do Sul	State of Mato Grosso	-0.974	5.249	0.007	0.118	0.932	0.039	0.139	0.010	0.007
Tokyo - JP	Japan	0.013	0.221	0.007	0.309	0.757	0.852	0.679	0.010	0.007
Sweden	State of Roraima	-1.016	-3.702	0.007	0.255	0.726	0.872	0.257	0.010	0.007
Serbia	Kuwait	0.187	0.330	0.008	0.741	0.708	0.784	0.134	0.010	0.008
Serbia	Netherlands	-0.201	-1.445	0.008	0.001	0.935	0.023	0.179	0.184	0.008
Netherlands	Australia	-0.548	-1.714	0.008	0.000	0.000	0.001	0.000	0.338	0.008
Ukraine	Sweden	-0.123	-2.475	0.008	0.001	0.550	0.816	0.391	0.010	0.008
United Kingdom	State of Alagoas	-0.730	4.025	0.008	0.157	0.802	0.171	0.132	0.031	0.008
Ukraine	Kuwait	0.197	0.304	0.008	0.178	0.045	0.255	0.009	0.010	0.008
Greece	Belarus	-0.064	0.115	0.008	0.868	0.440	0.039	0.478	0.010	0.008
State of Roraima	Bahrain	-0.852	-3.800	0.009	0.060	0.691	0.497	0.153	0.010	0.009
Slovenia	Luxembourg	0.148	0.886	0.009	0.384	0.338	0.257	0.867	0.037	0.009
Kuwait	Bulgaria	-0.232	0.308	0.009	0.266	0.028	0.022	0.009	0.010	0.009
Germany	Australia	-0.349	-0.595	0.010	0.261	0.018	0.002	0.299	0.352	0.010
State of Tocantins	New York	-0.806	15.596	0.010	0.068	0.008	0.023	0.033	0.083	0.010
State of Rio Grande do Sul	State of Paraná	0.208	-2.941	0.010	0.002	0.242	0.064	0.064	0.010	0.010
State of Mato Grosso	Belarus	1.627	0.918	0.010	0.286	0.683	0.467	0.290	0.024	0.010
State of Pará	Serbia	-0.295	2.095	0.011	0.438	0.349	0.117	0.063	0.038	0.011
South Korea	Belarus	-0.118	0.093	0.011	0.778	0.675	0.160	0.432	0.010	0.011
Sweden	Costa Rica	-1.394	-1.514	0.011	0.233	0.684	0.973	0.215	0.010	0.011
State of Goiás	Belarus	2.455	-0.502	0.011	0.150	0.000	0.975	0.021	0.010	0.011
Lebanon	Belarus	-0.010	0.105	0.011	0.984	0.204	0.817	0.931	0.010	0.012
Kuwait	Belarus	-0.083	0.200	0.011	0.082	0.056	0.457	0.398	0.010	0.012
Sweden	Canada	-0.328	-2.068	0.012	0.543	0.664	0.222	0.035	0.010	0.012
United Kingdom	State of Mato Grosso do Sul	-1.233	2.951	0.012	0.008	0.422	0.217	0.132	0.022	0.012
State of Roraima	State of Pará	-0.295	-3.512	0.013	0.166	0.318	0.855	0.839	0.010	0.013
State of Rio Grande do Sul	Belarus	1.367	-0.276	0.013	0.783	0.169	0.128	0.874	0.029	0.013
United Kingdom	State of Amapá	-0.826	4.568	0.013	0.162	0.663	0.160	0.678	0.010	0.013
State of Paraná	Belarus	0.689	0.336	0.014	0.484	0.004	0.834	0.050	0.018	0.014
South Korea	Kuwait	-0.023	0.223	0.014	0.104	0.007	0.800	0.480	0.010	0.014
Russia	Netherlands	-0.178	-1.179	0.015	0.004	0.011	0.000	0.009	0.545	0.015
United Kingdom	State of Mato Grosso	-1.937	3.284	0.015	0.030	0.938	0.701	0.440	0.010	0.015
United Kingdom	State of Tocantins	-1.269	2.838	0.015	0.010	0.962	0.257	0.211	0.022	0.015
State of Roraima	South Korea	1.380	-3.696	0.015	0.028	0.884	0.353	0.177	0.010	0.015
Netherlands	Canada	-0.115	-2.739	0.016	0.082	0.432	0.047	0.195	0.079	0.015
State of Alagoas	Greece	0.467	0.698	0.016	0.167	0.492	0.079	0.166	0.021	0.016
State of São Paulo	Belo Horizonte	0.026	4.021	0.016	0.000	0.055	0.598	0.026	0.010	0.016
Romania	Netherlands	0.325	-1.587	0.017	0.001	0.848	0.003	0.180	0.247	0.017
Ukraine	Finland	0.191	-0.715	0.017	0.009	0.139	0.258	0.695	0.010	0.017
Italy	Belarus	-0.181	1.199	0.017	0.002	0.916	0.094	0.142	0.125	0.017
Netherlands	Croatia	0.253	-1.575	0.017	0.000	0.808	0.110	0.344	0.054	0.017
Poland	Kuwait	0.077	0.267	0.017	0.162	0.016	0.762	0.002	0.010	0.017
State of Roraima	Finland	1.330	-2.812	0.018	0.019	0.904	0.460	0.245	0.010	0.018
State of Acre	New York	-0.538	14.125	0.018	0.052	0.104	0.016	0.299	0.125	0.018
State of Alagoas	Bosnia and Herzegovina	-0.302	1.364	0.018	0.526	0.902	0.318	0.145	0.010	0.018
Turkey	State of Ceará	0.043	1.897	0.018	0.868	0.391	0.261	0.018	0.010	0.018
United Kingdom	State of Piauí	-0.577	3.626	0.019	0.046	0.631	0.064	0.151	0.053	0.018
Kuwait	Argentina	-0.788	0.326	0.019	1.000	0.192	0.782	0.012	0.010	0.019
Libya	Australia	0.135	0.146	0.019	0.057	0.211	0.015	0.826	0.010	0.019
Portugal	Netherlands	0.206	-1.001	0.019	0.000	0.887	0.050	0.372	0.126	0.019
Sweden	Moldova	-0.339	-1.947	0.019	0.004	0.357	0.668	0.747	0.010	0.019
State of Santa Catarina	Belarus	1.094	0.382	0.019	0.335	0.027	0.548	0.051	0.018	0.019
State of Roraima	State of Acre	-1.022	-3.392	0.019	0.844	0.113	0.056	0.945	0.010	0.019
State of Mato Grosso do Sul	Kuwait	1.604	0.498	0.019	0.173	0.109	0.771	0.096	0.010	0.019
Costa Rica	Austria	0.665	-0.334	0.019	0.836	0.402	0.126	0.174	0.040	0.020
State of Alagoas	Croatia	0.445	0.904	0.020	0.167	0.756	0.261	0.173	0.011	0.020
State of Sergipe	Hungary	0.890	1.841	0.020	0.798	0.988	0.931	0.671	0.010	0.020
United Kingdom	State of Pará	-0.567	4.336	0.021	0.744	0.285	0.014	0.159	0.159	0.021
Libya	Japan	0.199	0.073	0.021	0.000	0.144	0.711	0.245	0.010	0.021
State of Roraima	Chile	-1.408	-2.313	0.022	0.169	0.220	0.076	0.412	0.010	0.022

Slovenia	Czech Republic	-0.017	0.352	0.022	0.025	0.921	0.017	0.455	0.010	0.022	0.022
United Kingdom	State of Sergipe	-0.853	3.689	0.022	0.350	0.925	0.191	0.186	0.042	0.022	0.023
Netherlands	Israel	-0.703	-1.480	0.023	0.000	0.639	0.129	0.769	0.046	0.023	0.023
Netherlands	Argentina	-1.550	-1.418	0.023	0.000	0.442	0.044	0.395	0.092	0.023	0.023
State of Alagoas	Romania	-0.092	1.056	0.023	0.043	0.481	0.051	0.518	0.032	0.023	0.024
United Kingdom	State of Paraíba	-1.209	3.576	0.023	0.128	0.919	0.264	0.210	0.023	0.023	0.024
Romania	Kuwait	0.577	0.299	0.025	0.925	0.422	0.727	0.042	0.010	0.025	0.025
State of Mato Grosso do Sul	State of Alagoas	0.587	2.396	0.025	0.895	0.263	0.005	0.838	0.260	0.025	0.026
Kuwait	Hungary	0.034	0.318	0.025	0.071	0.000	0.978	0.001	0.010	0.025	0.026
United Arab Emirates	Netherlands	0.205	-1.126	0.025	0.009	0.491	0.002	0.032	0.312	0.025	0.026
State of Paraná	State of Goiás	-1.006	-3.485	0.025	0.004	0.001	0.001	0.000	0.010	0.025	0.026
State of Roraima	Kuwait	-0.383	-2.374	0.025	0.012	0.926	0.268	0.588	0.010	0.025	0.026
New York	Lebanon	-2.565	15.343	0.025	0.039	0.158	0.016	0.233	0.233	0.025	0.026
Turkey	State of Tocantins	-1.335	0.554	0.026	0.201	0.396	0.834	0.345	0.010	0.026	0.027
State of Santa Catarina	Belo Horizonte	0.092	1.512	0.026	0.049	0.223	0.084	0.203	0.010	0.026	0.027
State of Tocantins	Serbia	1.194	0.644	0.026	0.411	0.467	0.483	0.831	0.010	0.026	0.027
State of Amazonas	Serbia	0.158	2.444	0.026	0.061	0.003	0.787	0.357	0.010	0.026	0.027
State of Roraima	State of Pernambuco	-0.774	-2.903	0.026	0.084	0.308	0.069	0.891	0.010	0.026	0.027
United Arab Emirates	Kuwait	-0.041	0.357	0.026	0.005	0.001	0.187	0.000	0.010	0.026	0.027
State of Rondônia	Oman	0.697	1.559	0.026	0.101	0.801	0.086	0.179	0.010	0.026	0.027
New York	Czech Republic	-4.305	15.358	0.027	0.005	0.213	0.017	0.198	0.214	0.027	0.028
United Kingdom	State of Santa Catarina	-1.114	1.976	0.027	0.027	0.354	0.052	0.067	0.081	0.027	0.028
New York	Netherlands	-1.370	13.971	0.027	0.001	0.407	0.079	0.726	0.080	0.027	0.028
State of Paraná	Federal District	-2.985	-2.389	0.028	0.602	0.002	0.023	0.050	0.010	0.028	0.029
State of Sergipe	State of Roraima	1.198	-2.502	0.028	0.009	0.791	0.052	0.860	0.010	0.028	0.029
State of Santa Catarina	State of Espírito Santo	-0.005	2.089	0.029	0.779	0.052	0.862	0.614	0.010	0.029	0.030
Turkey	Libya	-0.164	0.182	0.029	0.239	0.468	0.007	0.467	0.191	0.029	0.030
Switzerland	Serbia	-0.030	-0.992	0.029	0.385	0.424	0.061	0.816	0.103	0.029	0.030
State of Alagoas	Serbia	0.367	0.724	0.029	0.458	0.979	0.040	0.120	0.055	0.029	0.030
State of Pernambuco	Serbia	0.105	1.465	0.029	0.482	0.777	0.114	0.585	0.010	0.029	0.030
State of Pará	Romania	-0.678	2.584	0.029	0.503	0.602	0.033	0.013	0.085	0.029	0.030
Sweden	Russia	0.081	-1.412	0.030	0.006	0.239	0.433	0.239	0.010	0.030	0.031
State of Sergipe	State of Amapá	-0.154	5.339	0.030	0.328	0.524	0.004	0.782	0.010	0.030	0.031
Oman	Chile	0.581	2.481	0.031	0.000	0.590	0.077	0.025	0.010	0.031	0.032
South Korea	Greece	-0.054	0.067	0.031	0.157	0.951	0.063	0.324	0.010	0.031	0.032
Lebanon	Kuwait	0.093	0.283	0.031	0.054	0.021	0.096	0.167	0.010	0.031	0.032
State of Roraima	State of Paraíba	-1.248	-2.424	0.032	0.015	0.732	0.209	0.870	0.010	0.032	0.033
State of Roraima	State of Alagoas	-0.470	-2.616	0.032	0.030	0.572	0.076	0.753	0.010	0.032	0.033
United Kingdom	State of Bahia	-0.943	3.032	0.032	0.002	0.470	0.036	0.112	0.088	0.032	0.033
State of São Paulo	State of Paraná	0.330	1.946	0.032	0.832	0.151	0.621	0.676	0.010	0.032	0.034
State of Mato Grosso	Qatar	2.049	1.034	0.032	0.135	0.728	0.764	0.557	0.010	0.032	0.034
New York	Bulgaria	-3.601	13.029	0.032	0.005	0.252	0.005	0.387	0.343	0.032	0.034
United States	Netherlands	1.421	-1.872	0.032	0.041	0.840	0.918	0.607	0.010	0.032	0.034
Ukraine	State of Amapá	0.520	3.410	0.033	0.318	0.251	0.001	0.865	0.010	0.033	0.034
State of Mato Grosso	Hungary	1.924	1.276	0.033	0.256	0.949	0.264	0.417	0.010	0.033	0.034
State of Alagoas	Israel	0.094	0.593	0.033	0.161	0.918	0.024	0.280	0.046	0.033	0.034
Sweden	Serbia	0.038	-1.383	0.033	0.197	0.921	0.565	0.598	0.010	0.033	0.034
Kuwait	Czech Republic	-0.061	0.279	0.033	0.714	0.001	0.833	0.011	0.010	0.033	0.034
Turkey	State of Alagoas	-0.514	0.583	0.034	0.261	0.341	0.006	0.638	0.127	0.034	0.035
Moldova	Luxembourg	0.504	0.884	0.034	0.546	0.658	0.861	0.480	0.010	0.034	0.036
State of Pará	State of Mato Grosso	-1.303	4.673	0.035	0.673	0.620	0.506	0.245	0.023	0.035	0.037
State of Sergipe	New York	-0.696	14.131	0.036	0.011	0.219	0.007	0.228	0.191	0.036	0.037
State of Paraná	Belo Horizonte	-0.378	2.345	0.036	0.021	0.517	0.016	0.589	0.010	0.036	0.037
Romania	Berlin	0.599	0.504	0.037	0.772	0.124	0.203	0.433	0.010	0.037	0.038
State of Pará	Bosnia and Herzegovina	-0.876	2.634	0.037	0.631	0.647	0.100	0.103	0.049	0.037	0.039
United Kingdom	Bosnia and Herzegovina	-1.447	2.753	0.037	0.030	0.019	0.004	0.095	0.352	0.037	0.039
Sweden	Greece	0.151	-1.426	0.037	0.007	0.744	0.671	0.307	0.010	0.037	0.039
State of Pernambuco	Romania	-0.308	1.766	0.038	0.978	0.839	0.167	0.129	0.010	0.038	0.039
Italy	Bahrain	0.390	1.342	0.038	0.001	0.885	0.087	0.808	0.081	0.038	0.040
Libya	Belarus	0.091	0.102	0.038	0.000	0.149	0.154	0.423	0.010	0.038	0.040
State of Roraima	State of Piauí	-1.309	-2.237	0.039	0.030	0.684	0.178	0.707	0.010	0.039	0.040
State of Roraima	State of Bahia	-1.277	-2.719	0.040	0.046	0.659	0.180	0.983	0.010	0.040	0.042
State of Tocantins	State of Mato Grosso	-0.678	2.702	0.040	0.019	0.871	0.051	0.198	0.010	0.040	0.042
State of Mato Grosso	Kuwait	2.146	0.989	0.040	0.033	0.285	0.344	0.677	0.010	0.040	0.042
Greece	Finland	0.066	-0.433	0.040	0.020	0.111	0.743	0.867	0.010	0.040	0.042
State of Pará	New York	0.284	11.976	0.041	0.020	0.715	0.009	0.109	0.213	0.041	0.042
Luxembourg	Czech Republic	-0.127	0.692	0.041	0.955	0.384	0.500	0.518	0.018	0.041	0.042
Spain	Luxembourg	-0.143	-3.740	0.042	0.773	0.394	0.842	0.061	0.010	0.042	0.043
State of Tocantins	Qatar	1.554	0.469	0.042	0.251	0.569	0.567	0.308	0.010	0.042	0.044
Moldova	Berlin	0.463	0.871	0.043	0.229	0.554	0.204	0.500	0.010	0.043	0.045
State of Roraima	Lebanon	0.675	-2.501	0.043	0.047	0.615	0.419	0.804	0.010	0.043	0.045
State of Roraima	State of Rondônia	-0.846	-2.539	0.043	0.174	0.577	0.045	0.465	0.010	0.043	0.045
Israel	Austria	0.715	-0.452	0.043	0.464	0.793	0.423	0.363	0.038	0.043	0.045
Saudi Arabia	Austria	0.304	-0.257	0.044	0.213	0.192	0.149	0.163	0.056	0.044	0.046
Tokyo - JP	Kuwait	-0.056	0.158	0.044	0.195	0.003	0.980	0.006	0.015	0.044	0.046
Japan	Belarus	-0.108	0.056	0.045	0.591	0.717	0.040	0.448	0.010	0.045	0.047
Kuwait	Croatia	-0.021	0.226	0.045	0.239	0.001	0.768	0.004	0.010	0.045	0.047
State of Paraíba	State of Ceará	0.934	-5.814	0.045	0.109	0.375	0.547	0.242	0.010	0.045	0.047
State of Tocantins	Romania	0.799	0.683	0.045	0.660	0.542	0.861	0.285	0.010	0.045	0.047
Qatar	Belarus	-0.159	0.215	0.045	0.296	0.588	0.070	0.926	0.010	0.045	0.048
Tokyo - JP	Manaus	-0.734	-2.300	0.045	0.018	0.667	0.737	0.301	0.010	0.045	0.048
Kuwait	Bosnia and Herzegovina	-0.666	0.305	0.046	0.765	0.295	0.447	0.176	0.027	0.046	0.048
United Kingdom	Berlin	-0.521	2.451	0.046	0.002	0.208	0.112	0.019	0.088	0.046	0.048
Serbia	Manaus	-0.315	2.802	0.046	0.090	0.042	0.491	0.026	0.010	0.046	0.048
State of Mato Grosso	State of Alagoas	1.188	3.714	0.046	0.587	0.386	0.182	0.579	0.010	0.046	0.049
State of Roraima	State of Rio Grande do Norte	-1.045	-2.342	0.046	0.743	0.660	0.037	0.854	0.010	0.046	0.049
Kuwait	Costa Rica	-0.270	0.207	0.046	0.320	0.047	0.945	0.079	0.010	0.046	0.049
State of Pará	Greece	-0.102	1.738	0.047	0.864	0.395	0.052	0.008	0.067	0.047	0.049
State of Sergipe	State of Pernambuco	0.204	5.696	0.047	0.038	0.450	0.532	0.309	0.010	0.047	0.050
United Arab Emirates	Oman	-0.344	0.368	0.047	0.998	0.112	0.292	0.132	0.010	0.047	0.050