

## Supporting Online Material

### Targeted resequencing in epileptic encephalopathies identifies *de novo* mutations in *CHD2* and *SYNGAP1*

Gemma L. Carvill<sup>1</sup>, Sinéad B. Heavin<sup>2</sup>, Simone C. Yendle<sup>2</sup>, Jacinta M. McMahon<sup>2</sup>, Brian J. O’Roak<sup>3</sup>, Joseph Cook<sup>1</sup>, Adiba Khan<sup>1</sup>, Michael O’ Dorschner<sup>4,5</sup>, Molly Weaver<sup>4,5</sup>, Sophie Calvert<sup>6</sup>, Stephen Malone<sup>6</sup>, Geoffrey Wallace<sup>6</sup>, Thorsten Stanley<sup>7</sup>, Ann M. E. Bye<sup>8</sup>, Andrew Bleasel<sup>9</sup>, Katherine B. Howell<sup>10</sup>, Sara Kivity<sup>11</sup>, Mark T. Mackay<sup>10, 12, 13</sup>, Victoria Rodriguez-Casero<sup>14</sup>, Richard Webster<sup>15</sup>, Amos Korczyn<sup>16</sup>, Zaid Afawi<sup>17</sup>, Nathanel Zelnick<sup>18</sup>, Tally Lerman-Sagie<sup>19</sup>, Dorit Lev<sup>19</sup>, Rikke S. Møller<sup>20</sup>, Deepak Gill<sup>15</sup>, Danielle M. Andrade<sup>21</sup>, Jeremy L. Freeman<sup>10, 12</sup>, Lynette G. Sadleir<sup>7</sup>, Jay Shendure<sup>3</sup>, Samuel F. Berkovic<sup>2</sup>, Ingrid E. Scheffer<sup>2,10, 13,22\*</sup>, Heather C. Mefford<sup>1\*</sup>

#### Affiliations

1. Division of Genetic Medicine, Department of Pediatrics, University of Washington, Seattle, Washington, 98195, USA
2. Epilepsy Research Centre, Department of Medicine, University of Melbourne, Austin Health, Melbourne, Victoria, Australia
3. Department of Genome Sciences, University of Washington, Seattle, Washington, 98195, USA
4. Department of Psychiatry & Behavioral Sciences, University of Washington, Seattle, Washington, 98195, USA
5. Veteran Affairs Puget Sound Health Care System, Seattle, WA 98108, USA
6. Neurosciences Children’s Health Queensland, Royal and Mater Children’s Hospitals, Brisbane, Queensland, Australia
7. Department of Paediatrics, School of Medicine and Health Sciences, University of Otago, Wellington, New Zealand
8. Department of Paediatric Neurology, University of New South Wales, Sydney Children’s Hospital, Sydney, New South Wales, Australia
9. Westmead Hospital, University of Sydney, Sydney, New South Wales, Australia
10. Department of Neurology, The Royal Children’s Hospital, Parkville, Melbourne, Victoria, Australia
11. Epilepsy Unit, Schneider Children’s Medical Center of Israel, Petach Tikvah, Israel
12. Critical Care & Neurosciences Theme, Murdoch Childrens Research Institute, Melbourne, Victoria, Australia
13. Department of Paediatrics, The University of Melbourne, The Royal Children’s Hospital, Melbourne, Victoria, Australia
14. Paediatric Neurology, Monash Medical Centre, Melbourne, Victoria, Australia
15. TY Nelson Department of Neurology, The Children’s Hospital at Westmead, Sydney, New South Wales, Australia
16. Department of Neurology, Tel-Aviv University, Tel-Aviv, Israel
17. Tel-Aviv University Medical School, Tel-Aviv, Israel
18. Department of Pediatrics, Carmel Medical Center, Technion Faculty of Medicine, Haifa, Israel

19. Metabolic-Neurogenetic Service, Wolfson Medical Center, Holon, and Sackler School of Medicine, Tel-Aviv University, Tel-Aviv, Israel
20. Danish Epilepsy Centre, Dianalund, Denmark
21. Division of Neurology, Department of Medicine, University of Toronto, Toronto Western Hospital, Krembil Neurosciences Program. Toronto, Canada
22. Florey Institute, Melbourne, Victoria, Australia

\* To whom correspondence should be addressed:

Heather C. Mefford, [hmefford@uw.edu](mailto:hmefford@uw.edu);

Ingrid E. Scheffer, [scheffer@unimelb.edu.au](mailto:scheffer@unimelb.edu.au)

## Table of contents

**Supplementary Figure 1** Targeted resequencing strategy carried out in 500 patients with epileptic encephalopathy.

**Supplementary Figure 2** Percentage of each target gene resequenced at >25X

**Supplementary Figure 3** Microdeletions of the 15q26.1 region encompassing *CHD2*

**Supplementary Figure 4** The p.Y805X *HNRNPU* variant in proband T162

**Supplementary Figure 5** Pedigrees of segregating variants in known epileptic encephalopathy genes

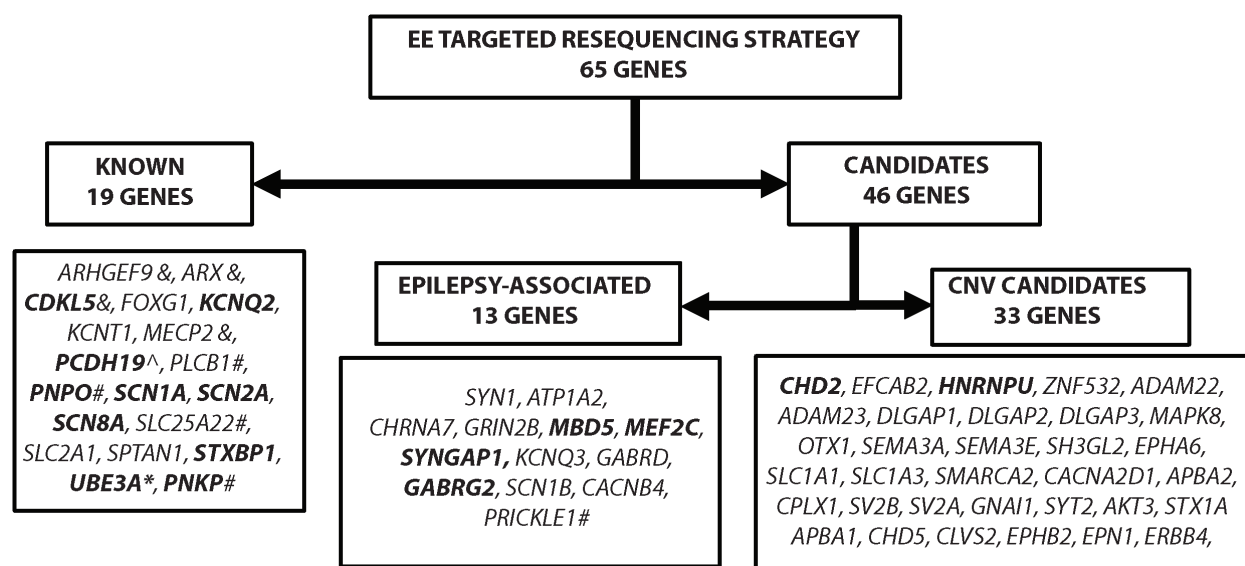
**Supplementary Table 1** Potentially disruptive variants in known epileptic encephalopathy genes

**Supplementary Note:** Candidate gene selection from epilepsy-associated CNVs

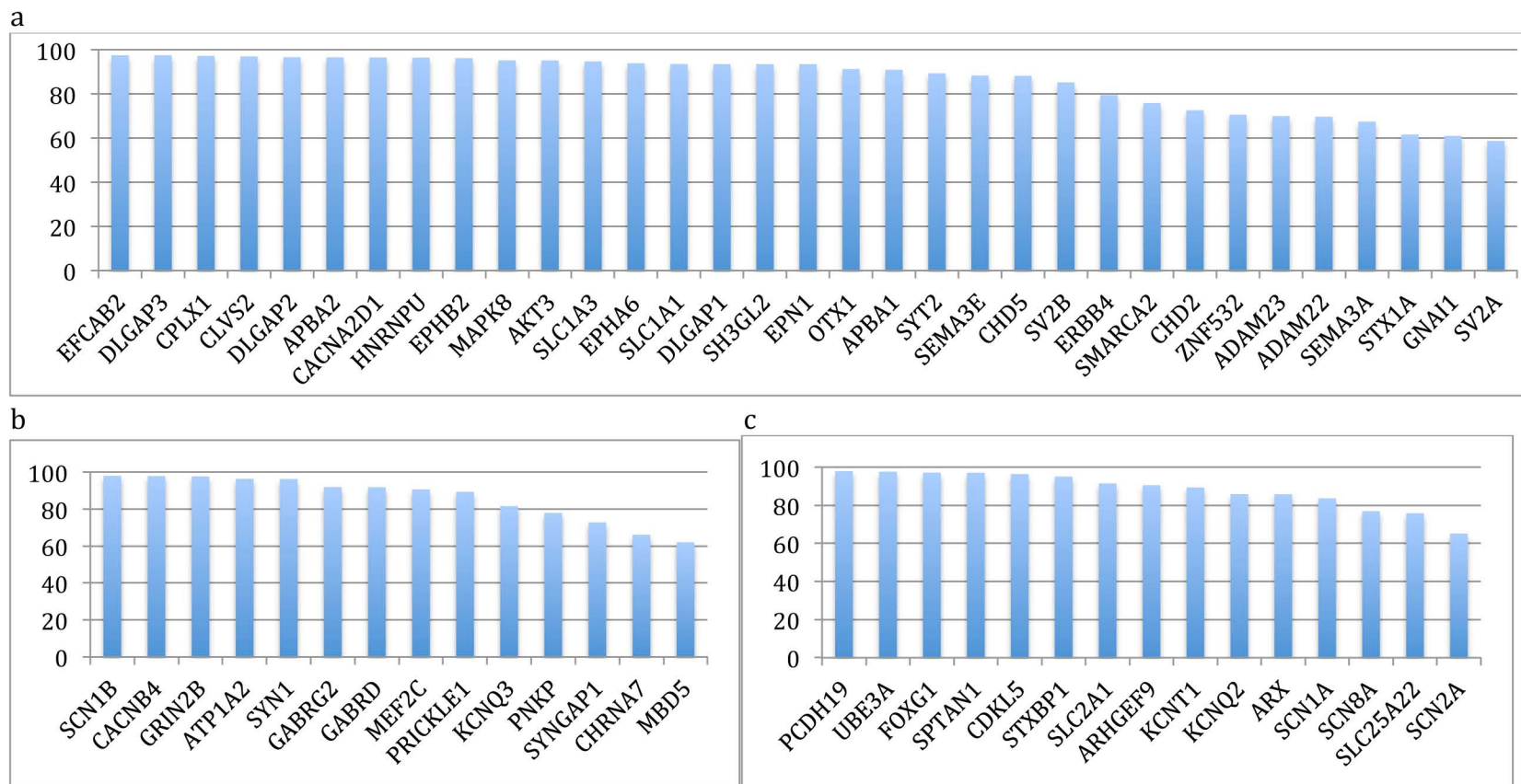
**Supplementary Table 2** Candidate gene selection details

**Supplementary Table 3** Details of molecular inversion probes used to capture 65 target genes

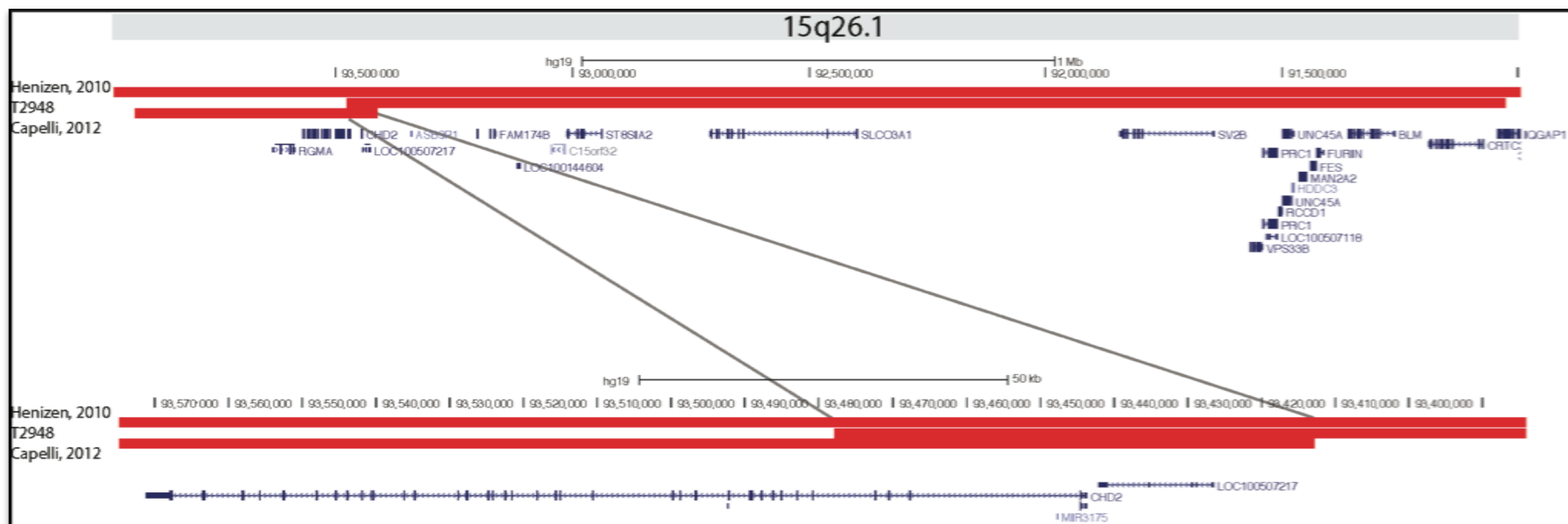
**Supplementary References**



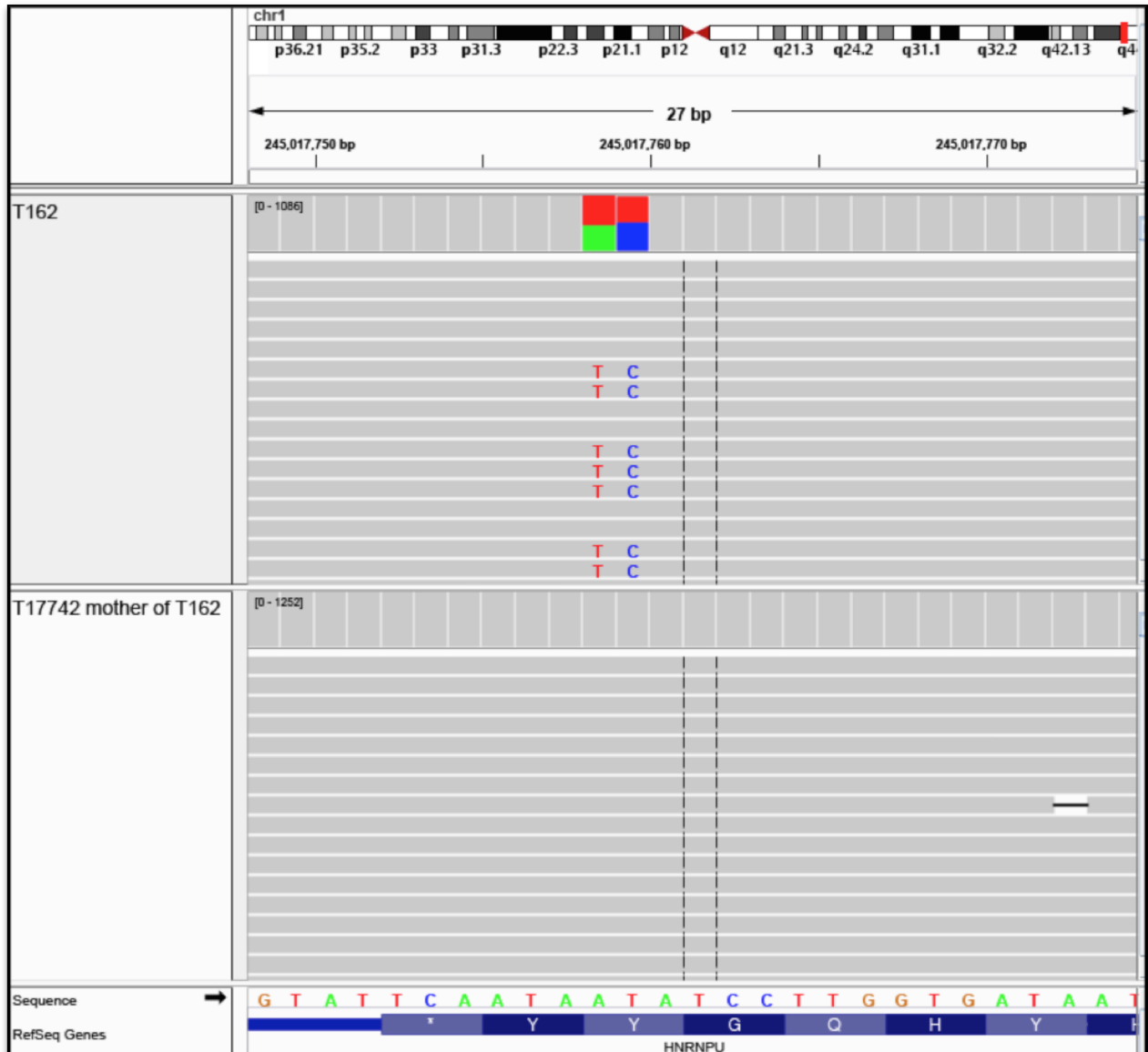
**Supplementary Figure 1 Targeted resequencing strategy carried out in 500 patients with epileptic encephalopathy.** Disease gene identification was conducted under a *de novo*/dominant inheritance model, except for #recessive, &X-linked recessive, ^X-linked but female restricted and \*disruption of maternally expressed (paternally imprinted) genes. Genes in which we identified pathogenic variants appear in bold.



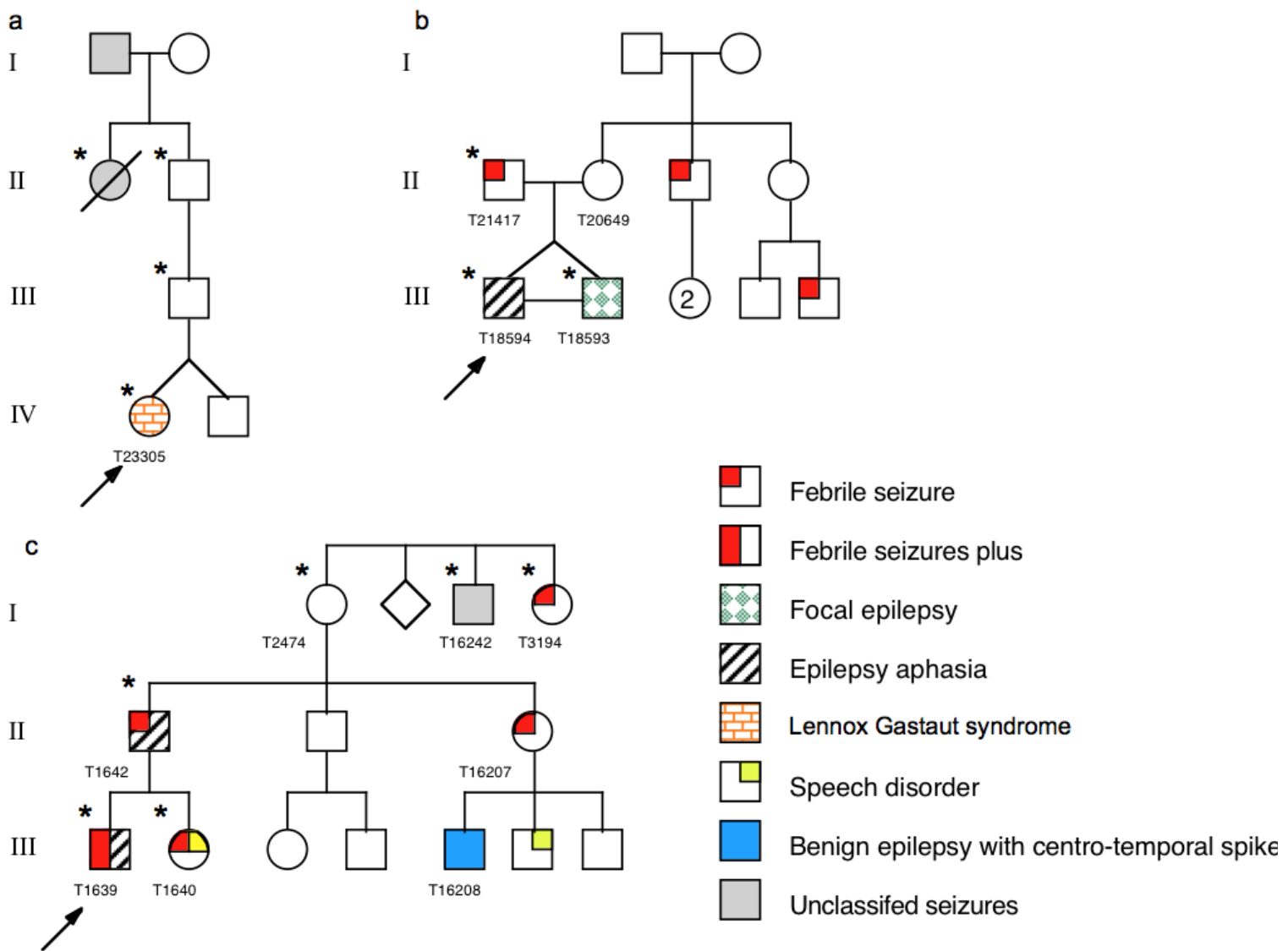
**Supplementary Figure 2** Percentage of target gene resequenced at >25X for a) CNV candidate genes b) epilepsy-associated genes and c) known epileptic encephalopathy genes. GATK Depth of Coverage tool was used to calculate the percentage of exonic bases (and 5bp flanking) covered at >25X in each sample for each gene. The average coverage across all samples is reported.



**Supplementary Figure 3** Microdeletions of the 15q26.1 region encompassing *CHD2*. The *CHD2* gene and a uncharacterized non-coding RNA (LOC100507217) were the only two genes common to the two previously reported 15q26del in probands with EE<sup>1,2</sup>, as well as the unpublished deletion we identified in a proband (T2948) with photosensitive generalized early-onset epilepsy and ID. *CHD2* was selected as a candidate gene for mutation screening in our cohort of 500 epileptic encephalopathy probands.



**Supplementary Figure 4** The p.Y805X *HNRNPU* variant in proband T162. Output from the Integrated Genome Viewer (IGV) shows the c.471T>C and c.472A>T in the proband, T162 (top panel). Neither variant was present in the proband's mother T17742 (bottom panel).



**Supplementary Figure 5** Pedigrees of segregating variants in known EE genes. a) The pedigree showing the *PCDH19* Arg911Gln mutation resulting in the LGS phenotype in the proband and developmental delay and seizures in her paternal great-aunt. Carrier males exhibit no phenotype, as expected for *PCDH19* mutations that cause epilepsy phenotypes in females only. b) The *SCN1A* Asp454Asn variant present in affected monozygotic twins as well as their father with febrile seizures. c) The Arg1988Trp *SCN1A* change in a proband with epilepsy aphasisia and febrile seizures plus; the variant segregates with various types of epilepsy with variable expressivity and incomplete penetrance.



**Supplementary Table 1** Potentially disruptive variants in known epileptic encephalopathy genes.

Proband	Gene	Position	REF/ALT	c.DNA change	Amino acid change	Inheritance
T22652	<i>CDKL5</i>	chrX:18622785	C/T	c.1741C>T	HIS581TYR	Unk*
T17329	<i>CDKL5</i>	chrX:18646566	C/T	c.2572C>T	ARG858CYS	Unk*
T24019	<i>KCNQ2</i>	chr20:62070961	G/A	c.917G>A	ALA306VAL	Unk#
T23039	<i>KCNQ2</i>	chr20:62046399	T/G	c.1298T>G	GLN461PRO	Unk*
T2542	<i>KCNT1</i>	chr9:138678206	G/A	c.3341G>A	ARG1114GLN	Unk*
T16275	<i>KCNT1</i>	chr9:138677157	C/A	c.3158C>A	PRO1053HIS	Unk*
T17135	<i>KCNT1</i>	chr9:138662266	C/T	c.1742C>T	THR581ILE	Unk*
T2509	<i>SCN1A</i>	chr2:166929953	T/C	c.179T>C	ASN60SER	Unk*
T21732	<i>SCN1A</i>	chr2:166848590	G/A	c.519G>A	PRO1732LEU	Unk*
T2529	<i>SCN1A</i>	chr2:166894315	T/C	c.291T>C	MET973VAL	Unk*
T22294	<i>SCN1A</i>	chr2:166909406	G/A	c.650G>A	THR217ILE	Unk*
T21746	<i>SCN1A</i>	chr2:166848407	G/A	c.945G>A	THR1793ILE	Unk*
T23947	<i>SCN1A</i>	chr2:166900370	G/A	c.1852G>A	ARG618CYS	Unk*
T2657	<i>SCN8A</i>	chr12:52115678	C/T	c.1984C>T	ARG662CYS	Unk#
T20187	<i>SCN8A</i>	chr12:52200885	G/A	c.5492G>A	ARG1831GLN	Unk*
T2596	<i>UBE3A</i>	chr15:25601062	G/C	c.2110G>C	PRO704ALA	Unk*

# father or \* neither parent available for segregation analysis

**Supplementary Note:** Candidate gene selection from epilepsy-associated CNVs

We considered all genes encompassed by 138 unique epilepsy-associated CNVs either from published cohorts, case reports or unpublished data<sup>2-4</sup>. These CNVs encompassed 1309 genes, we selected only those that were expressed in the brain (n=705). These 705 'candidate genes' were prioritized based on a number of criteria. Firstly, we compared overlapping CNVs, and defined a critical interval. For a small number of genomic regions, only one or two genes were encompassed by the overlapping intervals, and these were prioritized (n=4) (Sup Table 2) . Over larger genomic intervals that were not amenable to mapping, we performed a thorough literature search of genes in the region and applied bioinformatics tools for candidate gene prioritization, using the bioinformatics tools, ToppGene Suite<sup>5</sup>, Endeavour<sup>6</sup>, String<sup>7</sup> and the Ingenuity Pathway Analysis software (IPA) (see URLs). The ToppGene and Endeavour tools were used to rank candidate genes based on similarity to a training set of known epilepsy genes (n=115, see list below) using default settings. The ToppNet tool, was used to rank candidate genes based on relationships to a protein-protein interaction networks, also generated from the training set of genes. String was used to generate protein-protein interaction networks between the candidate and training set genes, using a high confidence threshold (0.700). Similarly, pathway analysis was conducted using IPA, with both sets of genes. Candidate genes that were consistently ranked as 'high priority' by ranking tools and/or those that were enriched within protein-protein interaction networks and canonical pathways were prioritized. Furthermore, we performed an intersection between candidate genes and those within the Mouse Genome Informatics (MGI) database that were known to generate phenotypes affecting the 'nervous system'. Finally, genes with a high burden of truncating variants in the ESP6500 (see URLs) control dataset were not selected. Using this tiered prioritization strategy, a total of 18 genes were selected for targeted resequencing. We also selected five genes that were members of the same gene family as a CNV candidate gene (homology to CNV candidate). Finally, literature searches resulted in the inclusion of six additional genes that were hypothesized as candidate genes based on function and/or animal models (literature candidate).

ToppGene Suite :<http://toppgene.cchmc.org/>

Endeavour: <http://homes.esat.kuleuven.be/~bioiuser/endeavour/index.php>

String: <http://string-db.org/>

MGI: [http://www.informatics.jax.org/searches/allele\\_form.shtml](http://www.informatics.jax.org/searches/allele_form.shtml)

**List of training set genes:** *ABAT, ABCC8, ABCD1, ACOX1, ADSL, AGTR2, ALDH3A2, ALDH4A1, ALDH5A1, ALDH7A1, ALG12, ALG2, ALG6, AMT, ARG1, ARHGEF9, ARX, ATN1, ATP1A2, ATP6, ATP6AP2, ATP7A, ATRX, BRD2, C3, CACNA1A, CACNA1H, CACNB4, CASR, CDKL5, CHRNA2, CHRNA4, CHRN2, CLCN2, CLN3, CLN8, CRH, CSTB, D2HGDH, DCX, EFHC1, ELP4, EPM2A, FLNA, FMR1, GABRA1, GABRD, GABRG2, GDI1, GFAP, GK, GPR98, GRIA3, GRIN2A, GRIN2B, HCN1, HCN2, IDS, IMPA2, KCNA1, KCNJ11, KCNMA1, KCNQ2, KCNQ3, KCTD7, KDM5C, LGI1, LGI2, MAGI2, ME2, MECP2, MED12, MEF2C, NHLRC1, OPHN1, OTC, PCDH19, PDHA1, PGK1, PHF6, PLCB1, POLG, PRICKLE1, RELN, SCARB2, SCN1A, SCN1B, SCN2A, SCN9A, SERPINI1, SEZ6, SHROOM4, SLC25A22, SLC2A1, SLC6A8, SLC9A9, SMC1A, SMS, SPTAN1, SRPX2, ST3GAL5, STRADA, STXBP1, SYN1, SYP, TBC1D24, TCF4, TRNK, TRNS1, TSC1, TSC2, TUBA1A, UBE3A, YWHAE, ZEB2*

**Supplementary Table 2** Candidate gene selection details

	<b>Gene</b>	<b>Genomic Location</b>	<b>CNV Type</b>	<b>Rationale</b>	<b>References</b>
1.	<i>CHD2</i>	15q26.1	Del	Critical interval	1-3
2.	<i>EFCAB2</i>	1q44	Del	Critical interval	3
3.	<i>HNRNPU</i>	1q44	Del	Critical interval	3, 8
4.	<i>ZNF532</i>	18q21.32	Del	Only gene in interval	Unpublished
5.	<i>ADAM22</i>	7q21.12	Del	ToppNett, IPA, MGI	2
6.	<i>ADAM23</i>	2q33.3	Del	Endeavour, IPA, MGI	3
7.	<i>DLGAP1</i>	18p11.31	Del	ToppNett, String	2
8.	<i>DLGAP2</i>	8p23.3	none	Homology to CNV candidates	
9.	<i>DLGAP3</i>	1p34.3	Dup	ToppNett, String	Unpublished
10.	<i>MAPK8</i>	10q11.22	Del	ToppNett, String, MGI	2
11.	<i>OTX1</i>	2p15	Del	Literature candidate	3
12.	<i>SEMA3A</i>	7q21.11	Del	IPA, MGI	2
13.	<i>SEMA3E</i>	7q21.11	Del	IPA, MGI	2, 3
14.	<i>SH3GL2</i>	9p22.2	Del/Dup	Endeavour, ToppNett, String	Unpublished
15.	<i>EPHA6</i>	1q44	Del/Dup	String, IPA	2, 3
16.	<i>SLC1A1</i>	9q24.2	Del	ToppGene, Endeavour	2, 3
17.	<i>SLC1A3</i>	5p13.2	Del	ToppGene, Endeavour	3
18.	<i>SMARCA2*</i>	9q24.3	Del/Dup	Endeavour, ToppNett, String	2, 3
19.	<i>CACNA2D1</i>	7q21.1	Del	ToppGene, Endeavour, String	2, 3
20.	<i>APBA2</i>	15q13.1	Del	String, TopNett, MGI, Endeavour	3
21.	<i>CPLX1</i>	4p16.3	Del	ToppGene	3
22.	<i>SV2B</i>	15q26.1	Del	ToppGene, Endeavour	2, 3
23.	<i>SV2A</i>	1q21.2	none	Homology to CNV candidates	
24.	<i>GNAI1</i>	7q21.11	Del	ToppNett, String, MGI, IPA, Endeavour	2, 3
25.	<i>SYT2</i>	1q32.1	Dup	MGI	3
26.	<i>AKT3</i>	1q44	Del	Candidate from literature	9
27.	<i>APBA1</i>	9q21.11		Homology to CNV candidates	
28.	<i>CHD5</i>	1p36.31	Del	Homology to CNV candidates	
29.	<i>CLVS2</i>	6p22.31		Literature candidate	10
30.	<i>EPHB2</i>	1p36.12		Homology to CNV candidates	11
31.	<i>EPN1</i>	9q13.42		Literature candidate	12
32.	<i>ERBB4</i>	2q34		Literature candidate	13
33.	<i>STX1A</i>	7q11.23		Literature candidate	14

IPA, Ingenuity Pathway Analysis software; MGI, Mouse Genome Informatics

\*SMARCA2 mutations have since been shown to cause Nicolaides Baraitser syndrome<sup>15</sup>, SMARCA2 was selected as a CNV candidate gene prior to this publication. Similarly mutations in AKT3 have been shown to cause hemimegalencephaly<sup>16</sup>.

## Supplementary Table 3 Details of molecular inversion probes used to capture 65 target genes

MIP_name	70 mer sequence
GABRD_2	cggggctccgcgcaaaacttggctcCTTCAGCTTCCCGATATCCGACGGTAGTGTcaccgccccgacccc
GABRD_1	cgcggggtcggggcggtggCTTCAGCTTCCCGATATCCGACGGTAGTGTtagccaagtgtgcccggacc
GABRD_3	gctacgcccgaacttccggCTTCAGCTTCCCGATATCCGACGGTAGTGTtggaaataaataagtct
GABRD_4	gctatcagccgtccaggttggCTTCAGCTTCCCGATATCCGACGGTAGTGTgcttagagccagcctac
GABRD_5	catggtaggtgccaccagcctctCTTCAGCTTCCCGATATCCGACGGTAGTGTggtccatctgtggctcc
GABRD_6	gcctctgagatgtggtcgatCTTCAGCTTCCCGATATCCGACGGTAGTGTgtgtactcctgtggaggtg
GABRD_7	gtggctgcccgaacactctcCTTCAGCTTCCCGATATCCGACGGTAGTGTcggcccctgtccacctc
GABRD_8	ccagggtctcgttgggtggttCTTCAGCTTCCCGATATCCGACGGTAGTGTgatcacgctgtcgggc
GABRD_9	gaaaagctcgagcggctctgcCTTCAGCTTCCCGATATCCGACGGTAGTGTagaacaagctaccggc
GABRD_11	gaggccagcctcccgaagcCTTCAGCTTCCCGATATCCGACGGTAGTGTacaccactcacagctctc
GABRD_10	ggggcttccagcagtgatgCTTCAGCTTCCCGATATCCGACGGTAGTGTcactgcatctgtctct
GABRD_13	gctctccgaccagtagtagcCTTCAGCTTCCCGATATCCGACGGTAGTGTggcacatgcccgaagg
GABRD_12	gttcaccatcaccagctaccCTTCAGCTTCCCGATATCCGACGGTAGTGTcggggcaggccggctctg
GABRD_14	caatctacatgccctcctcCTTCAGCTTCCCGATATCCGACGGTAGTGTcctgagtcctatggttg
GABRD_15	cagggtgaagtgcaggctgagcCTTCAGCTTCCCGATATCCGACGGTAGTGTgaggccccctacagag
GABRD_16	ggggctcagcactggcctctgCTTCAGCTTCCCGATATCCGACGGTAGTGTgtcctggctctctctg
GABRD_18	atcgtcagaccgtggtgatgCTTCAGCTTCCCGATATCCGACGGTAGTGTgaaatgagcaaggcgt
GABRD_17	aaggcactggaactctctctgCTTCAGCTTCCCGATATCCGACGGTAGTGTgagggggcggctgag
GABRD_19	gccagggacagcactctgaCTTCAGCTTCCCGATATCCGACGGTAGTGTatctgtatgtctctgtt
GABRD_20	gccagggacagcactctgCTTCAGCTTCCCGATATCCGACGGTAGTGTatctgtatgtctctgtt
GABRD_22	cagcagagagggagaagggacaaCTTCAGCTTCCCGATATCCGACGGTAGTGTtctgagcggctgcc
GABRD_21	acctgatgggctcctacaggtcCTTCAGCTTCCCGATATCCGACGGTAGTGTcagccctgtctccc
GABRD_23	gttgcggcgtcaatgtcctcCTTCAGCTTCCCGATATCCGACGGTAGTGTgggtggagacagggaga
GABRD_24	agcgcggcgtaaatgtcaCTTCAGCTTCCCGATATCCGACGGTAGTGTcttctccaggaattct
CHD5_499	cgagactcctctgttgcaCTTCAGCTTCCCGATATCCGACGGTAGTGTatgtgaccgtagtgccc
CHD5_500	gtacatctgggaggagcgaagcCTTCAGCTTCCCGATATCCGACGGTAGTGTcaccctgtgatgc
CHD5_501	gcaacaacttgggccaactctcCTTCAGCTTCCCGATATCCGACGGTAGTGTctcggctgtgtgcc
CHD5_503	ggctcagatgtcggagcgcCTTCAGCTTCCCGATATCCGACGGTAGTGTcatcctgtcctaccatc
CHD5_502	gcagccgggtcacgtggcctcCTTCAGCTTCCCGATATCCGACGGTAGTGTggggcacacagccgagc
CHD5_504	cagggtgtggtgctctcggcCTTCAGCTTCCCGATATCCGACGGTAGTGTccctatctacagcaaga
CHD5_505	ccaaggagtccctgtctgggaCTTCAGCTTCCCGATATCCGACGGTAGTGTgttgctattgaggagcag
CHD5_506	caccagcagccaagctcccCTTCAGCTTCCCGATATCCGACGGTAGTGTgtcatgtcaggtagcggc
CHD5_507	gatcatgtaccgtggctcattctCTTCAGCTTCCCGATATCCGACGGTAGTGTaccgtccctcctg
CHD5_508	ccctcaagtctgaggtccacaaCTTCAGCTTCCCGATATCCGACGGTAGTGTgagctcctcccctac
CHD5_510	gtgactatccttggcaggccCTTCAGCTTCCCGATATCCGACGGTAGTGTcctgtcaccttggctg
CHD5_509	atthccagaggatacagcagcCTTCAGCTTCCCGATATCCGACGGTAGTGTctctcagaggctctc
CHD5_511	gtttcaatgggctcctctcctcCTTCAGCTTCCCGATATCCGACGGTAGTGTctctgcccacccc
CHD5_512	agcaaaatggtgacaaaggaagCTTCAGCTTCCCGATATCCGACGGTAGTGTctcctgggtccccgt
CHD5_513	cctctgcaaaaaagaggttctCTTCAGCTTCCCGATATCCGACGGTAGTGTggaccatggggcacagg
CHD5_514	ggtgtcctctgagaaggagaCTTCAGCTTCCCGATATCCGACGGTAGTGTggcacctgtgactct
CHD5_515	gctgtcctcactctcactctaCTTCAGCTTCCCGATATCCGACGGTAGTGTacatggcactggggtg
CHD5_516	gagaggagcggcagaggagcCTTCAGCTTCCCGATATCCGACGGTAGTGTccctcctctctgtag
CHD5_518	gcctgtggtgtgtggggtCTTCAGCTTCCCGATATCCGACGGTAGTGTgtctcagctcttccctg
CHD5_517	atcaaggaaaagagctgagacaCTTCAGCTTCCCGATATCCGACGGTAGTGTaccacacacaccacag
CHD5_519	ggggtccaggagatcactcCTTCAGCTTCCCGATATCCGACGGTAGTGTgactagggtttctgga
CHD5_520	acctctgcccagcccgtCTTCAGCTTCCCGATATCCGACGGTAGTGTgagttcaggagttgagcat
CHD5_521	aagtgtcacaggcttgggtagCTTCAGCTTCCCGATATCCGACGGTAGTGTggtctgtacttccgtt
CHD5_522	gctcacagaggtgccgatgaCTTCAGCTTCCCGATATCCGACGGTAGTGTccctacagagagttactca
CHD5_523	ggcggtatggtgcagagcctcCTTCAGCTTCCCGATATCCGACGGTAGTGTgaggttccccggggtc
CHD5_524	gttcagaaaggcctccgctgCTTCAGCTTCCCGATATCCGACGGTAGTGTgaggtgtcacacctggg
CHD5_525	ccccgcagagcctcaactCTTCAGCTTCCCGATATCCGACGGTAGTGTcatcccgaatccctcacc
CHD5_527	cctgtcttcccgatctctcCTTCAGCTTCCCGATATCCGACGGTAGTGTcccactgaggaactgt
CHD5_526	cagttcctcaggtgggagcccagCTTCAGCTTCCCGATATCCGACGGTAGTGTgcggaacagacaggc
CHD5_529	cagtttagtggctgggctactCTTCAGCTTCCCGATATCCGACGGTAGTGTcgtgccctctgtctg
CHD5_528	acagaggggacggagtgagctCTTCAGCTTCCCGATATCCGACGGTAGTGTgacctaacactgaga
CHD5_530	gttcgggacaggtcctcctgCTTCAGCTTCCCGATATCCGACGGTAGTGTgacagaatcctccccac
CHD5_531	gcaagcaggtcaactacaacgatCTTCAGCTTCCCGATATCCGACGGTAGTGTgaggtggagcggaaatc
CHD5_532	acctgacctgcccccttctcCTTCAGCTTCCCGATATCCGACGGTAGTGTcccagtagtggggtcc
CHD5_533	gtgtcatctgtagcctcgttctCTTCAGCTTCCCGATATCCGACGGTAGTGTgctgcggatggagg
CHD5_534	cagaacatgaacgagtagctgagCTTCAGCTTCCCGATATCCGACGGTAGTGTcacactgatttgcctg
CHD5_535	cctgagacatgctcgtgagCTTCAGCTTCCCGATATCCGACGGTAGTGTgagaggagctgaggtcgg

CHD5_536	cggtcacacccatccctgatgCTTCAGCTTCCCGATATCCGACGGTAGTGTctgtatctctgcttagga
CHD5_537	caggtgggtgagcatcatcttgcCTTCAGCTTCCCGATATCCGACGGTAGTGTgctccctcggaacagag
CHD5_538	gggtccatgaccaagcaggagCTTCAGCTTCCCGATATCCGACGGTAGTGTgccagaacaagaagtgat
CHD5_539	catgagctcaagagcatggaatCTTCAGCTTCCCGATATCCGACGGTAGTGTagtccagaaagcgtagat
CHD5_540	gtggccaggttgatgccagaCTTCAGCTTCCCGATATCCGACGGTAGTGTgcatgaaggagacaactg
CHD5_541	ggactggaacccgcacaatgacCTTCAGCTTCCCGATATCCGACGGTAGTGTaaacactccatctgctg
CHD5_542	gtccagcatcttggtcatctgcCTTCAGCTTCCCGATATCCGACGGTAGTGTaatcagaaccttgggca
CHD5_543	gactctctggagtacgaaggctaCTTCAGCTTCCCGATATCCGACGGTAGTGTgaggcagctctctct
CHD5_544	agacttgaccaggagcttccaCTTCAGCTTCCCGATATCCGACGGTAGTGTatctctctgtgggtgt
CHD5_545	gaagctcatgctgtacagaagaCTTCAGCTTCCCGATATCCGACGGTAGTGTggcccttggtagcaga
CHD5_546	cagtgctcaaaagtctctgtgCTTCAGCTTCCCGATATCCGACGGTAGTGTagaagctgcatatgagc
CHD5_547	caagggggggggaaccaagatCTTCAGCTTCCCGATATCCGACGGTAGTGTtccagcccactcgag
CHD5_549	ggagctgagccagatgcagaaCTTCAGCTTCCCGATATCCGACGGTAGTGTgagttgtgacatctcca
CHD5_548	gttcttgaacacgtcagccttgaCTTCAGCTTCCCGATATCCGACGGTAGTGTcctggaaatcgaccag
CHD5_550	gagcgcttagccatgtaggCTTCAGCTTCCCGATATCCGACGGTAGTGTcatgagcttctgtatctg
CHD5_551	gtagctgttaagaccctaaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTccactccctagccaga
CHD5_552	agattgattacaagctgctgctCTTCAGCTTCCCGATATCCGACGGTAGTGTgaaacaccagccaaggt
CHD5_553	ggtgagcagcacgtggaattgatCTTCAGCTTCCCGATATCCGACGGTAGTGTggggctggcgccag
CHD5_554	ccatcctgggctccatcgagtCTTCAGCTTCCCGATATCCGACGGTAGTGTgtctctggactgtgat
CHD5_556	gagtttctcttgaggacaacgcCTTCAGCTTCCCGATATCCGACGGTAGTGTccctactggtagcgc
CHD5_555	cacgtagaagtcggggcccaCTTCAGCTTCCCGATATCCGACGGTAGTGTtcttccaagatagcgag
CHD5_560	gcctttgcacatgcaattcttctCTTCAGCTTCCCGATATCCGACGGTAGTGTgtacgggtcagtgctc
CHD5_561	cccagcatcagctccctgggaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTaccaccactgctgctc
CHD5_562	aagacaccaggctgccaaagaggCTTCAGCTTCCCGATATCCGACGGTAGTGTcaggcctactggggcca
CHD5_563	cacttgatcaggtagtgcaatccCTTCAGCTTCCCGATATCCGACGGTAGTGTgctctgtgcttagcag
CHD5_564	gtgcactgggagatcgatgacCTTCAGCTTCCCGATATCCGACGGTAGTGTaggctccctatcaaac
CHD5_565	catcttggcatagagggtctctCTTCAGCTTCCCGATATCCGACGGTAGTGTcaaaagactgacgtgg
CHD5_566	cgcttctaccgctatggcatCTTCAGCTTCCCGATATCCGACGGTAGTGTgtgatgtatgcacactacca
CHD5_567	agaaggagatggggcatggtcCTTCAGCTTCCCGATATCCGACGGTAGTGTctcttggccttctctacc
CHD5_568	ccctcaggggcttaggtggagCTTCAGCTTCCCGATATCCGACGGTAGTGTtccagggctaccaggtc
CHD5_569	ccctgagagagagtcttgtcaCTTCAGCTTCCCGATATCCGACGGTAGTGTcccactgaaggcaaaag
CHD5_570	cctccatcagtgccactgccCTTCAGCTTCCCGATATCCGACGGTAGTGTtccagtgtaaatcgctg
CHD5_571	ccccgtcttgacacgcggcaCTTCAGCTTCCCGATATCCGACGGTAGTGTcggggcgggcggaaca
CHD5_572	cgagctgctctgctgcagcCTTCAGCTTCCCGATATCCGACGGTAGTGTggcctctccccaggaga
CHD5_573	ccccaaatgaggcacagggtCTTCAGCTTCCCGATATCCGACGGTAGTGTcgtctctcgctccac
CHD5_574	cctgctggcacactcacagtaatCTTCAGCTTCCCGATATCCGACGGTAGTGTcgggctctgccaagg
CHD5_575	gggagatcatcctgtgacacCTTCAGCTTCCCGATATCCGACGGTAGTGTcagtgagttgggtgtgt
CHD5_577	gaatgctctgcagccctgggcaaCTTCAGCTTCCCGATATCCGACGGTAGTGTgggccaagcaagccttc
CHD5_577	gaatgctctgcagccctgggcaaCTTCAGCTTCCCGATATCCGACGGTAGTGTgggccaagcaagccttc
CHD5_576	ccttctatcttctcactctgcCTTCAGCTTCCCGATATCCGACGGTAGTGTaactctctggaaggag
CHD5_578	catctttggagcctttagcttCTTCAGCTTCCCGATATCCGACGGTAGTGTatgcatgcaaatgcacac
CHD5_578	catctttggagcctttagcttCTTCAGCTTCCCGATATCCGACGGTAGTGTatgcatgcaaatgcacac
CHD5_579	gaagaaaaaggcaaaaggaaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTattgggtaaccgagagc
CHD5_579	gaagaaaaaggcaaaaggaaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTattgggtaaccgagagc
CHD5_580	gatggtgaccgtctctacagccCTTCAGCTTCCCGATATCCGACGGTAGTGTaaaggacactctccag
CHD5_581	cccctccgtagccgtcagcCTTCAGCTTCCCGATATCCGACGGTAGTGTtcccatgtccaaaatgatg
CHD5_582	gagatgagagccaccgaccCTTCAGCTTCCCGATATCCGACGGTAGTGTtggctgctgaactcc
CHD5_584	acgactggactactgttctctCTTCAGCTTCCCGATATCCGACGGTAGTGTcaaagcctctagcgaga
CHD5_583	ggacttgggctctacagagaccCTTCAGCTTCCCGATATCCGACGGTAGTGTcagccttagtccccg
CHD5_585	ggctttttctcttctgctCTTCAGCTTCCCGATATCCGACGGTAGTGTagaacatacaggcaagagg
CHD5_586	gaaggatgaggatgaggatgaCTTCAGCTTCCCGATATCCGACGGTAGTGTaatgatgagctatcagaga
CHD5_587	cagagtctgggtggcaggaCTTCAGCTTCCCGATATCCGACGGTAGTGTttttatcggggagtgtcac
CHD5_588	acagggaaaaagtcatgaaggctCTTCAGCTTCCCGATATCCGACGGTAGTGTcaaccaccgcccc
CHD5_589	cgtgagccttctaagaagaagaCTTCAGCTTCCCGATATCCGACGGTAGTGTcagggtgctctgtgt
CHD5_591	cggggcgcggtgctcctggggcCTTCAGCTTCCCGATATCCGACGGTAGTGTcggcgaggggggcg
CHD5_590	cgccccctcccggggcgcCTTCAGCTTCCCGATATCCGACGGTAGTGTaggcgaccgccccg
EPHB2_638	cgctccccgggctctggggcgcCTTCAGCTTCCCGATATCCGACGGTAGTGTcggcgccccgtgcc
EPHB2_637	gggcacggggcgcgcgctcCTTCAGCTTCCCGATATCCGACGGTAGTGTcgaagggccccgggaagcg
EPHB2_640	cacctaccaggcctgtcaatCTTCAGCTTCCCGATATCCGACGGTAGTGTgaccaatgcaaggttggg
EPHB2_639	ggtcccaaacctgcatgtgctCTTCAGCTTCCCGATATCCGACGGTAGTGTgattgacagcctggtga
EPHB2_641	actggctacggaccaagtttatcCTTCAGCTTCCCGATATCCGACGGTAGTGTgctgagccttacctc
EPHB2_642	gttctgcttactcaaacacgCTTCAGCTTCCCGATATCCGACGGTAGTGTtagaggtgaaagttctct
EPHB2_644	gagtcaagtgcagcctcatagtaaCTTCAGCTTCCCGATATCCGACGGTAGTGTccgcacctcggtgtt
EPHB2_643	catgggtgaaggtggataccatCTTCAGCTTCCCGATATCCGACGGTAGTGTaagtttctggtgctgac
EPHB2_645	gtgccccgcatcatcagaatgCTTCAGCTTCCCGATATCCGACGGTAGTGTggccgctgatgaaa

EPHB2_646	gcggtagaagacacgcacggcCTTCAGCTTCCCGATATCCGACGGTAGTGTgcttgatgggtacatcca
EPHB2_647	gaggtaaagggccaggggtggggcCTTCAGCTTCCCGATATCCGACGGTAGTGTatcccaatcggaagag
EPHB2_648	gcagacggtgccattctcaacgCTTCAGCTTCCCGATATCCGACGGTAGTGTctggccctagatgctctc
EPHB2_649	caatggctactacagagcagCTTCAGCTTCCCGATATCCGACGGTAGTGTgtgactctctctgtctctc
EPHB2_650	cagacacagttggtggccctCTTCAGCTTCCCGATATCCGACGGTAGTGTcaatctcactctgagctt
EPHB2_652	catgaggaggctcattgacacCTTCAGCTTCCCGATATCCGACGGTAGTGTgctgtggtcgtactgta
EPHB2_651	gtctacaacatcatctgcaagagCTTCAGCTTCCCGATATCCGACGGTAGTGTactgaccaacacctctc
EPHB2_653	accagagcccctctcgcctcCTTCAGCTTCCCGATATCCGACGGTAGTGTcaccgctcgggggacaat
EPHB2_654	agtaacgcccgttcacagcctggCTTCAGCTTCCCGATATCCGACGGTAGTGTgtgaggactcgaggacc
EPHB2_656	ggctgggaccacgacagggtaatCTTCAGCTTCCCGATATCCGACGGTAGTGTagaactcccaggccta
EPHB2_655	gctgcagtactatgagaaggtacCTTCAGCTTCCCGATATCCGACGGTAGTGTctgacctctggcctctc
EPHB2_657	catctatgtctccaggtcggCTTCAGCTTCCCGATATCCGACGGTAGTGTggaccactatgagcca
EPHB2_658	accgtgttggtgggctttttatCTTCAGCTTCCCGATATCCGACGGTAGTGTgctggactctgtcacc
EPHB2_659	ccttctagatgtcagccctcccCTTCAGCTTCCCGATATCCGACGGTAGTGTtactccagaccatgaca
EPHB2_660	acaggtgggtggggtctccagCTTCAGCTTCCCGATATCCGACGGTAGTGTaatgcctaccatgcttctc
EPHB2_661	atggcgtgacaaccacagcaCTTCAGCTTCCCGATATCCGACGGTAGTGTtccctgcgaattgtgagaa
EPHB2_662	acagatgtacacaccaagcgCTTCAGCTTCCCGATATCCGACGGTAGTGTacactgtggtctccag
EPHB2_663	ccactggtgtagtgttcagctCTTCAGCTTCCCGATATCCGACGGTAGTGTcaggaaccacttgatc
EPHB2_664	attgagcaggtgtagcagcaCTTCAGCTTCCCGATATCCGACGGTAGTGTcatatgacagaccctggtc
EPHB2_665	gacacaggagatgtaattctctCTTCAGCTTCCCGATATCCGACGGTAGTGTgctcctgcccacatc
EPHB2_666	gacttctgagcgaagcctcCTTCAGCTTCCCGATATCCGACGGTAGTGTgctctcttgggtttctct
EPHB2_667	gtagcccactgagctctCTTCAGCTTCCCGATATCCGACGGTAGTGTtccatgaactcggatgaga
EPHB2_668	cttcatactgtagcctgaaCTTCAGCTTCCCGATATCCGACGGTAGTGTcaagagcacacctgtgat
EPHB2_669	gttcacctgactggctgcCTTCAGCTTCCCGATATCCGACGGTAGTGTgctctctgtttactctgt
EPHB2_670	gttcatgtctccaggtactctatCTTCAGCTTCCCGATATCCGACGGTAGTGTaggcactggtgtagg
EPHB2_671	caattgggccaagcactgtccCTTCAGCTTCCCGATATCCGACGGTAGTGTtagaggcagataccagac
EPHB2_672	gtgatgtcctatggggagcggCTTCAGCTTCCCGATATCCGACGGTAGTGTccacaaccctctcttctc
EPHB2_673	ccacacatcactggcaggtCTTCAGCTTCCCGATATCCGACGGTAGTGTatcttccctctccatctg
EPHB2_674	gcccgaattcggcacaattgctCTTCAGCTTCCCGATATCCGACGGTAGTGTactgcaactgctgattgt
EPHB2_675	acagccagcatgagttggtcagCTTCAGCTTCCCGATATCCGACGGTAGTGTgccagggtggggcctt
EPHB2_676	aaggacaggactagtgtttatggCTTCAGCTTCCCGATATCCGACGGTAGTGTgcccctctctctggg
EPHB2_677	gtacaaggagagcttcgcaatCTTCAGCTTCCCGATATCCGACGGTAGTGTagtgcctgaccatctc
EPHB2_678	ccactctccaccgtgtaagCTTCAGCTTCCCGATATCCGACGGTAGTGTgggggtgtaaggtagaca
EPHB2_680	gcatcactggatactgttcaggCTTCAGCTTCCCGATATCCGACGGTAGTGTggccctgagtgatag
EPHB2_679	gtttgacattcacctgcctcggCTTCAGCTTCCCGATATCCGACGGTAGTGTcctaacacacgtcttct
ATP1A2_697	ggcagagtggtgagggaccttCTTCAGCTTCCCGATATCCGACGGTAGTGTatcccactcagctctct
ATP1A2_696	gagaggagctgagggatacttCTTCAGCTTCCCGATATCCGACGGTAGTGTtccctcagccactctgc
ATP1A2_698	ggagaaggaaactggatgagctgaCTTCAGCTTCCCGATATCCGACGGTAGTGTggtgggaatggaggcc
ATP1A2_699	cattctctgctggtggcggcagCTTCAGCTTCCCGATATCCGACGGTAGTGTcaatgggctgcaggga
ATP1A2_701	gaaggagggtgagttacttggCTTCAGCTTCCCGATATCCGACGGTAGTGTccacctgtagtgcgat
ATP1A2_700	catgcagcatcaaggtggcagCTTCAGCTTCCCGATATCCGACGGTAGTGTaagtaactcacctcctt
ATP1A2_702	caaccctgagtggtcaagttCTTCAGCTTCCCGATATCCGACGGTAGTGTatggtgactgctgggtt
ATP1A2_703	ggtggtgtagggcgttgggCTTCAGCTTCCCGATATCCGACGGTAGTGTtggatggtcatcctccat
ATP1A2_704	accctgaaccccaacacagtgCTTCAGCTTCCCGATATCCGACGGTAGTGTatcctgctggtggtggg
ATP1A2_705	acctcaggaagatggcaggCTTCAGCTTCCCGATATCCGACGGTAGTGTccttgaactcttctctct
ATP1A2_706	aatcatgatcttggagctctCTTCAGCTTCCCGATATCCGACGGTAGTGTgatctttctgttcatctc
ATP1A2_707	aatcatgatcttggagctctCTTCAGCTTCCCGATATCCGACGGTAGTGTgatctttctgtcctatctc
ATP1A2_708	ggtggaggtgaaagggtggaagacCTTCAGCTTCCCGATATCCGACGGTAGTGTgacaggagaagaaggcag
ATP1A2_709	ccaccactctctgctgttatCTTCAGCTTCCCGATATCCGACGGTAGTGTgacacagccttctctt
ATP1A2_710	actgttgaagggtgagaagcCTTCAGCTTCCCGATATCCGACGGTAGTGTgactatgactccttct
ATP1A2_711	gaaacagatattggggtctccaCTTCAGCTTCCCGATATCCGACGGTAGTGTccaccaatggcagagct
ATP1A2_712	attgaacacttcatcagctgatCTTCAGCTTCCCGATATCCGACGGTAGTGTctgatccccaccatgt
ATP1A2_713	ccgccaacccctcaggcctgaCTTCAGCTTCCCGATATCCGACGGTAGTGTatgaggaagatgactcct
ATP1A2_714	gggtctcactactcttctcaCTTCAGCTTCCCGATATCCGACGGTAGTGTcctctcatctgggcta
ATP1A2_716	gtcaggcacacctgtagagaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTacggtcatcggttctg
ATP1A2_715	gaacctggaggcgtggagacCTTCAGCTTCCCGATATCCGACGGTAGTGTgaccacggtctagggtaa
ATP1A2_717	cagaggggtggataggattagaCTTCAGCTTCCCGATATCCGACGGTAGTGTactccaccatctgctc
ATP1A2_719	cggttgacagaccagcaattCTTCAGCTTCCCGATATCCGACGGTAGTGTccacatcatgtgagaagga
ATP1A2_718	gtctaagtaggggtcaggacCTTCAGCTTCCCGATATCCGACGGTAGTGTtctggtccccctcatt
ATP1A2_720	gcagagattccttcaactctaCTTCAGCTTCCCGATATCCGACGGTAGTGTgctgacactgaattctg
ATP1A2_721	ggggttctgtctctcttttCTTCAGCTTCCCGATATCCGACGGTAGTGTcctctgtagtgatgattc
ATP1A2_722	cctggtgcaggcgaaggagaCTTCAGCTTCCCGATATCCGACGGTAGTGTcaagatggccctctctgta
ATP1A2_723	cggtcagaaatgcctctggcCTTCAGCTTCCCGATATCCGACGGTAGTGTcctctgtttctggcctctc
ATP1A2_725	atgagctgaactttccacggagCTTCAGCTTCCCGATATCCGACGGTAGTGTgtggggactgtggggg
ATP1A2_726	aatttgaagccccaggaaactCTTCAGCTTCCCGATATCCGACGGTAGTGTcagtaactttagtgcctgc

ATP1A2_727	gttcaaggagctgcagtggtcttCAGCTTCCCGATATCCGACGGTAGTGTtggggctcatgtctat
ATP1A2_728	caacattccccatgagtcagtCCTCAGCTTCCCGATATCCGACGGTAGTGTgtgtctctctctctccc
ATP1A2_729	ccacagtctcttaccctctgatCCTCAGCTTCCCGATATCCGACGGTAGTGTactctccaggggacac
ATP1A2_730	aaccacacagagatgctcttgcCCTCAGCTTCCCGATATCCGACGGTAGTGTgggtctgtacaggtgcc
ATP1A2_731	gatctcatcgagctgctccgatCCTCAGCTTCCCGATATCCGACGGTAGTGTctgcctccccgctccctg
ATP1A2_732	gtcttaagcaggcagcagacatCCTCAGCTTCCCGATATCCGACGGTAGTGTttctgtctcaagtgtg
ATP1A2_733	caatgccaatgtcagctctcttCCTCAGCTTCCCGATATCCGACGGTAGTGTctcaaacatcccaacc
ATP1A2_735	gtgtaggcagtggtattcttcaagCCTCAGCTTCCCGATATCCGACGGTAGTGTcactctctgcctcac
ATP1A2_734	ccaacatccccctacctctgggCCTCAGCTTCCCGATATCCGACGGTAGTGTctctgacctccctgatgc
ATP1A2_736	ggcacagcctggaagacaatCCTCAGCTTCCCGATATCCGACGGTAGTGTttagcctgggcacagatat
ATP1A2_737	aatgagaggctcatcagcatggCCTCAGCTTCCCGATATCCGACGGTAGTGTtcccttcaaatgccctcc
ATP1A2_738	ccagcttgctctctgggagCCTCAGCTTCCCGATATCCGACGGTAGTGTtctgtctggaatttggctt
ATP1A2_739	accatgaatgatctggaggacagCCTCAGCTTCCCGATATCCGACGGTAGTGTgctttggccctctacc
ATP1A2_740	ccagtagcctgatggcaggaaaCCTCAGCTTCCCGATATCCGACGGTAGTGTctgcaggcattcagct
ATP1A2_741	accgccgcaactcagctcttCCTCAGCTTCCCGATATCCGACGGTAGTGTgacactctcatctgtctctg
ATP1A2_742	gatgatgagctcagcccactgcCCTCAGCTTCCCGATATCCGACGGTAGTGTccagggctgagttgaa
ATP1A2_743	accgcctcaagtgagtgctcttCCTCAGCTTCCCGATATCCGACGGTAGTGTccccctcactgccac
ATP1A2_744	cccatgcctggcagtaagagCCTCAGCTTCCCGATATCCGACGGTAGTGTggctgtcacataaaggag
ATP1A2_745	gtccgaaagctacctctgcCCTCAGCTTCCCGATATCCGACGGTAGTGTtttgaatgctctttagtg
ATP1A2_746	catcatagatgaagatgaggaggCCTCAGCTTCCCGATATCCGACGGTAGTGTccagtagtgggagtg
ATP1A2_748	gagagattgggagtgagattgCCTCAGCTTCCCGATATCCGACGGTAGTGTaatgcccccgtatttc
ATP1A2_747	aaataacgggtggcattgggtCCTCAGCTTCCCGATATCCGACGGTAGTGTctcactccaatctctct
AKT3_750	gtaagttcaatgctcatgCCTCAGCTTCCCGATATCCGACGGTAGTGTgtgctgtggcatattaag
AKT3_749	gacttaatatgccacaagcaCCTCAGCTTCCCGATATCCGACGGTAGTGTacatgagctattgaaactt
AKT3_751	cagtcataccatcctcatcaCCTCAGCTTCCCGATATCCGACGGTAGTGTgtgatgtccaggaatcatt
AKT3_752	ggacaatgagaggcgccgcCCTCAGCTTCCCGATATCCGACGGTAGTGTtgcctctgtcatctttcc
AKT3_753	gtaaaaagaaagaaaagatttCCTCAGCTTCCCGATATCCGACGGTAGTGTcaattgcttctaatt
AKT3_754	gctgtacctcttttaacctcCCTCAGCTTCCCGATATCCGACGGTAGTGTcttaccagcgactcag
AKT3_756	ggcatagtggtatataatttggCCTCAGCTTCCCGATATCCGACGGTAGTGTacttaatttattctg
AKT3_755	attaagtaagtataaaacatttacCCTCAGCTTCCCGATATCCGACGGTAGTGTtatgccataaagaat
AKT3_758	atttctcgaacactctctcagaCCTCAGCTTCCCGATATCCGACGGTAGTGTgactatggccgagcag
AKT3_757	gtttctcatgctctggttcttCCTCAGCTTCCCGATATCCGACGGTAGTGTaattcactaagcgttattt
AKT3_759	atttttacataaaatgaatcttCCTCAGCTTCCCGATATCCGACGGTAGTGTtgacaaccttaggcc
AKT3_760	ccctcttggcaaaagccaaCCTCAGCTTCCCGATATCCGACGGTAGTGTaatgcttaaatggtttact
AKT3_761	cacagatgcagccacatgaaCCTCAGCTTCCCGATATCCGACGGTAGTGTtggattttcatgttgg
AKT3_762	caccgctctctcgacaaatCCTCAGCTTCCCGATATCCGACGGTAGTGTgcaaaaaaaatttggatt
AKT3_763	gaggaccgcacagtttctatCCTCAGCTTCCCGATATCCGACGGTAGTGTcacaatattgtagagag
AKT3_765	atccagatattgcatgtagtaCCTCAGCTTCCCGATATCCGACGGTAGTGTaatacaggattataatgt
AKT3_764	cattataatcctgtattcttataCCTCAGCTTCCCGATATCCGACGGTAGTGTcatgcaaatatctggatt
AKT3_767	gactagaggacagatgtataatCCTCAGCTTCCCGATATCCGACGGTAGTGTtattattatcagtc
AKT3_766	cactgataataataattcactatCCTCAGCTTCCCGATATCCGACGGTAGTGTatctgtcctctagtca
AKT3_768	ccaaaagtgcctttacctagtaCCTCAGCTTCCCGATATCCGACGGTAGTGTgcacactgcaaaaaaa
AKT3_769	aaagtatttggctcgagagCCTCAGCTTCCCGATATCCGACGGTAGTGTattgcaaacatataat
AKT3_770	gtctgtctctacagcctggCCTCAGCTTCCCGATATCCGACGGTAGTGTgtgctgggaataagtatta
AKT3_771	gcagaggcaagaagaggagaCCTCAGCTTCCCGATATCCGACGGTAGTGTtattttgtattgattcata
AKT3_772	gctttggtcgttctgtttcaCCTCAGCTTCCCGATATCCGACGGTAGTGTctttagattgagttgct
AKT3_773	gatgtctccagtggaactactCCTCAGCTTCCCGATATCCGACGGTAGTGTagaactctgagtctca
AKT3_775	gtggattaccttaccctcCCTCAGCTTCCCGATATCCGACGGTAGTGTctgttcattttttcagca
AKT3_774	gaagatcttggcctcagatCCTCAGCTTCCCGATATCCGACGGTAGTGTaaataaaatacaagatgaat
AKT3_777	gctccgaaacaaaaataataCCTCAGCTTCCCGATATCCGACGGTAGTGTgcagcagagaatccaaac
AKT3_776	gttggattctctgctgctcCCTCAGCTTCCCGATATCCGACGGTAGTGTtattttggttggcggagc
HNRNPU_779	gatacatatttctcaaaaccttCCTCAGCTTCCCGATATCCGACGGTAGTGTcagtttgagtgcttat
HNRNPU_778	caataagccactcaactgttCCTCAGCTTCCCGATATCCGACGGTAGTGTggttttgagaaatagta
HNRNPU_781	gtctttatgtacattaattgtaCCTCAGCTTCCCGATATCCGACGGTAGTGTaatgggctcagagctc
HNRNPU_780	agccaattgctttaggtCCTCAGCTTCCCGATATCCGACGGTAGTGTacataaagacataagaaa
HNRNPU_782	gatagccgattccaccactcCCTCAGCTTCCCGATATCCGACGGTAGTGTcaatcatgctccagggga
HNRNPU_783	cccctgttttctggcctgCCTCAGCTTCCCGATATCCGACGGTAGTGTacaatgaaactaaaacagc
HNRNPU_784	gcttttcttgagccagtgCCTCAGCTTCCCGATATCCGACGGTAGTGTctgaactaaatagacaacac
HNRNPU_785	ggcaagaaccagtttaacagaCCTCAGCTTCCCGATATCCGACGGTAGTGTaacctatgttgaactca
HNRNPU_786	cacaatcctaaagctgacaattCCTCAGCTTCCCGATATCCGACGGTAGTGTttttggctctctcctt
HNRNPU_787	gcttttctggaagcctgcCCTCAGCTTCCCGATATCCGACGGTAGTGTacacagtaacagaatataaa
HNRNPU_788	gtttgccccaaagatgagaCCTCAGCTTCCCGATATCCGACGGTAGTGTtagatagattggttagaat
HNRNPU_789	ggctctctgcaacagtgCCTCAGCTTCCCGATATCCGACGGTAGTGTcattaattctacacaaact
HNRNPU_790	gagattgctgcccgaagaaCCTCAGCTTCCCGATATCCGACGGTAGTGTtaaataatcaacagttcaag
HNRNPU_791	caatcatcatcacaactagtgCCTCAGCTTCCCGATATCCGACGGTAGTGTgatcagggcctaaacatt



HNRNPU_792	ccaggagctggaaaaactaccCTTCAGCTTCCCGATATCCGACGGTAGTGTagtgaaggctatgaaaa
HNRNPU_793	gtatactctcaggtattgaaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTtgtccaggcaagcaa
HNRNPU_794	catccagaactcccccttagCTTCAGCTTCCCGATATCCGACGGTAGTGTcttcaaaatcagtaaggag
HNRNPU_795	gttaaaatctgtctctaaactCTTCAGCTTCCCGATATCCGACGGTAGTGTacagtggccgtccagc
HNRNPU_796	gtctcacagttgatgttttCTTCAGCTTCCCGATATCCGACGGTAGTGTtccagtaagctctttaa
HNRNPU_797	gaagattatggagaaaagtCTTCAGCTTCCCGATATCCGACGGTAGTGTaagttagtaaaatagatgagt
HNRNPU_798	atcttctgttaacctgaaagtCTTCAGCTTCCCGATATCCGACGGTAGTGTtctgaacattcatgagc
HNRNPU_799	gatattgacatacatgaagttcgtCTTCAGCTTCCCGATATCCGACGGTAGTGTgattagccgtggcgc
HNRNPU_800	gaagaagcactgagacgatctCTTCAGCTTCCCGATATCCGACGGTAGTGTtgtctccacaacaaca
HNRNPU_801	agagtttgccttcttgggCTTCAGCTTCCCGATATCCGACGGTAGTGTtttgcctacatagcagat
HNRNPU_803	gaagctgtttcccattatgaCTTCAGCTTCCCGATATCCGACGGTAGTGTtctgtctgtatcgga
HNRNPU_805	acattgaagagacaagtagctCTTCAGCTTCCCGATATCCGACGGTAGTGTttagaggctggcc
HNRNPU_804	gtctttaaaccctcttcttCTTCAGCTTCCCGATATCCGACGGTAGTGTattgtctctgatacagc
HNRNPU_807	gggaggtagaagaaggcggaggCTTCAGCTTCCCGATATCCGACGGTAGTGTacgcagcagcaacagc
HNRNPU_806	gcgaacagcaggtggggcggctCTTCAGCTTCCCGATATCCGACGGTAGTGTaagcaaacgcagca
HNRNPU_808	gatcgtcgcgttctgtctcctCTTCAGCTTCCCGATATCCGACGGTAGTGTcccgcgtctgttgg
HNRNPU_809	gggttccaggaaagggaagatCTTCAGCTTCCCGATATCCGACGGTAGTGTggaaggaatctcgctc
HNRNPU_810	cccaggtctaggctgccttctCTTCAGCTTCCCGATATCCGACGGTAGTGTtagctccatctgttgc
HNRNPU_811	gctcgggagcaggctcagCTTCAGCTTCCCGATATCCGACGGTAGTGTtctgacaaggctccaag
HNRNPU_813	ggagctgaaagaggagctcaagaaCTTCAGCTTCCCGATATCCGACGGTAGTGTtaggagcagccagca
HNRNPU_812	gaggaactcatggtgagggccccCTTCAGCTTCCCGATATCCGACGGTAGTGTgctctctgtctccag
MBD5_885	gctttatgtcaggttaagtcttaCTTCAGCTTCCCGATATCCGACGGTAGTGTttggagagctcctagc
MBD5_886	atccacacagcctccaacCTTCAGCTTCCCGATATCCGACGGTAGTGTggtcacttttccatttat
MBD5_888	acaaagaccactgggactgCTTCAGCTTCCCGATATCCGACGGTAGTGTacctaaaaataaacactg
MBD5_887	gaacatgcaagtgtggcttCTTCAGCTTCCCGATATCCGACGGTAGTGTaaattatgctttttcata
MBD5_889	aattattgcagtgccacacCTTCAGCTTCCCGATATCCGACGGTAGTGTgacatattcaaaaaggc
MBD5_890	gctttgtgacatcttctctcCTTCAGCTTCCCGATATCCGACGGTAGTGTtctgaaccttccaca
MBD5_892	gagttgctgcccagaaggtaCTTCAGCTTCCCGATATCCGACGGTAGTGTtccaggcagttctgtaca
MBD5_891	caaattctgtaatgctcaagtgCTTCAGCTTCCCGATATCCGACGGTAGTGTcccacaacaagagtt
MBD5_893	aatctccattcctgtgctcCTTCAGCTTCCCGATATCCGACGGTAGTGTtctcaagtaattatgga
MBD5_894	gtccatgttactgctgcccCTTCAGCTTCCCGATATCCGACGGTAGTGTtacttctgtgaaacatca
MBD5_895	cctgtacagtcactgtgcaaCTTCAGCTTCCCGATATCCGACGGTAGTGTgactgaccacttggag
MBD5_896	gaacatgtagcattactgaagCTTCAGCTTCCCGATATCCGACGGTAGTGTtctctgtgatttccat
MBD5_897	cagaaaaagccattaacatctgCTTCAGCTTCCCGATATCCGACGGTAGTGTgactcaaaaggtccagt
MBD5_898	agaaggtggaggaggaggagCTTCAGCTTCCCGATATCCGACGGTAGTGTgagtggaacttgaatgga
MBD5_899	cctggtcacatgaatcatgggCTTCAGCTTCCCGATATCCGACGGTAGTGTatcagaacctgttatcat
MBD5_900	caatgggagattacttggcaaCTTCAGCTTCCCGATATCCGACGGTAGTGTatccttcaattccagctc
MBD5_901	gtggtattaaggttccaccaggCTTCAGCTTCCCGATATCCGACGGTAGTGTccccgtgcacatgatg
MBD5_902	agggtgcatgaaatttctCTTCAGCTTCCCGATATCCGACGGTAGTGTtcttctgactgagttatc
MBD5_903	gtaagagtcagcctgttctCTTCAGCTTCCCGATATCCGACGGTAGTGTccttctcaagctccga
MBD5_904	gatgcagtaggaaaagctgactCTTCAGCTTCCCGATATCCGACGGTAGTGTtagctgtcttggctgc
MBD5_905	gcactttaaaccatgttcccCTTCAGCTTCCCGATATCCGACGGTAGTGTccagcaagtagttactc
MBD5_906	ccggcaacagctcagaattgCTTCAGCTTCCCGATATCCGACGGTAGTGTcttttctgagacatcag
MBD5_907	cctgactgctaaggagcagCTTCAGCTTCCCGATATCCGACGGTAGTGTgagcagcactaagagataa
MBD5_908	ccatttgactgtctgagcCTTCAGCTTCCCGATATCCGACGGTAGTGTtactattgtactcaagtga
MBD5_909	gaacatacctttaaaggggaaCTTCAGCTTCCCGATATCCGACGGTAGTGTtctatgagttgcaagct
MBD5_910	gaagaactagagttcatactCTTCAGCTTCCCGATATCCGACGGTAGTGTagtccccctagcctga
MBD5_912	ggaatttcaaaagccatctcCTTCAGCTTCCCGATATCCGACGGTAGTGTtcttgggtactttttcta
MBD5_911	ccagtgataccaaacagcattCTTCAGCTTCCCGATATCCGACGGTAGTGTaccatctgcaggttaat
MBD5_913	atagtcaccactgagctgCTTCAGCTTCCCGATATCCGACGGTAGTGTgattaataactgggtttg
MBD5_914	gccatcttgaagaacagatgCTTCAGCTTCCCGATATCCGACGGTAGTGTtgggaagatgggtttg
MBD5_915	atatctccagccttccagcCTTCAGCTTCCCGATATCCGACGGTAGTGTcgcacttattttccatcc
MBD5_916	gattctggttaggagatgctgCTTCAGCTTCCCGATATCCGACGGTAGTGTaataacctgcccctcatg
MBD5_917	caaatcagcaacagcagcaaCTTCAGCTTCCCGATATCCGACGGTAGTGTcgaagaatcacattatt
MBD5_918	attgttgttaaacgcagctCTTCAGCTTCCCGATATCCGACGGTAGTGTagtctgaaacagacaag
MBD5_919	gttactgccccttccactCTTCAGCTTCCCGATATCCGACGGTAGTGTcagtaacaataaacctatg
MBD5_920	ataccttgtgagttgcaacCTTCAGCTTCCCGATATCCGACGGTAGTGTactgcttctgtctatttc
MBD5_921	aagtgtagtgttggattccaCTTCAGCTTCCCGATATCCGACGGTAGTGTcaactgttgaatagg
MBD5_922	actcagatcagccccattcagCTTCAGCTTCCCGATATCCGACGGTAGTGTcaacaggtgaaggatgg
MBD5_923	gtactgttactgagctggtgaCTTCAGCTTCCCGATATCCGACGGTAGTGTatgatcaaacctccat
MBD5_924	atattcaagtcaagttgctCTTCAGCTTCCCGATATCCGACGGTAGTGTtactgctgcttcatg
MBD5_925	caaacctctctctgtcaCTTCAGCTTCCCGATATCCGACGGTAGTGTtaggactactgtgatatgg
MBD5_926	actgtccagggataaaattctCTTCAGCTTCCCGATATCCGACGGTAGTGTggaagtacaggaattt
MBD5_927	gggtgctgttcccaggcagCTTCAGCTTCCCGATATCCGACGGTAGTGTatgtgtgacatcttccac
MBD5_928	cagttccaagtctcaaatCTTCAGCTTCCCGATATCCGACGGTAGTGTgatgagtttaaggagag

MBD5_929	cagtgccttagcagctctccaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTctaggcacacaccatta
MBD5_930	gttcaattgtggcacttggtCTTCAGCTTCCCGATATCCGACGGTAGTGTgactttaatgccccaaagcg
MBD5_931	gtatcaattcatttgaagagggggCTTCAGCTTCCCGATATCCGACGGTAGTGTtctctggggctttgt
MBD5_932	gctttttgtatcatcactttggCTTCAGCTTCCCGATATCCGACGGTAGTGTtctctggcctggaaaaat
MBD5_933	gtccggaaaaggaaacagaaagCTTCAGCTTCCCGATATCCGACGGTAGTGTaccgagcagaaagtaaaaa
MBD5_934	gtaggcttccaaacctctgttagCTTCAGCTTCCCGATATCCGACGGTAGTGTccacagcgtggacaga
MBD5_935	actggacaaaatgtctgggaCTTCAGCTTCCCGATATCCGACGGTAGTGTgttttctgattaggaat
MBD5_936	cactcatggcctcatgaatagCTTCAGCTTCCCGATATCCGACGGTAGTGTtagtattgctatgtgagttg
MBD5_938	aaaaaacacaacaacagaggaCTTCAGCTTCCCGATATCCGACGGTAGTGTccttataaacactgcg
MBD5_937	gcgcagtgtttataaaggaaCTTCAGCTTCCCGATATCCGACGGTAGTGTctctgtgtgtgttttt
CACNB4_939	gtcagggtaatcttctccacaCTTCAGCTTCCCGATATCCGACGGTAGTGTactgctatggcaattgt
CACNB4_940	cataccaggacacttacaaccCTTCAGCTTCCCGATATCCGACGGTAGTGTtagacgaagtctaagacc
CACNB4_941	ataatgtcagcttcattcatctaCTTCAGCTTCCCGATATCCGACGGTAGTGTgagcctttcattgtga
CACNB4_942	gtgtgggtggcacgccagtaCTTCAGCTTCCCGATATCCGACGGTAGTGTatgtaaggtgtaaaaagca
CACNB4_943	accagtagcacacctgaccCTTCAGCTTCCCGATATCCGACGGTAGTGTaatggaagttaaaggatt
CACNB4_944	aaccgtgtaaaaacctgatagCTTCAGCTTCCCGATATCCGACGGTAGTGTctcttctaactagtaaga
CACNB4_945	gtcacaagtaaacacttgaatCTTCAGCTTCCCGATATCCGACGGTAGTGTatactcaggccaagca
CACNB4_946	atcttgccaactcaagattcttCTTCAGCTTCCCGATATCCGACGGTAGTGTaaggcagaaggagcta
CACNB4_947	gcagacaccatcaatcaccctCTTCAGCTTCCCGATATCCGACGGTAGTGTcttcttaagttaagaacta
CACNB4_948	agagaaatgtcagctgtcactctCTTCAGCTTCCCGATATCCGACGGTAGTGTgtcagccggctgta
CACNB4_949	ataatccagcaagagagcaCTTCAGCTTCCCGATATCCGACGGTAGTGTactgtggttataactact
CACNB4_951	cctttaaaccaaactgtgtgatCTTCAGCTTCCCGATATCCGACGGTAGTGTgttttgcctcattcttt
CACNB4_950	gaggcaaacacatgcagagaCTTCAGCTTCCCGATATCCGACGGTAGTGTtttggtaaaaggaataa
CACNB4_953	catctgttactctcagttctgaCTTCAGCTTCCCGATATCCGACGGTAGTGTcctcacttctcagc
CACNB4_952	gacaaggtagggtgagcatCTTCAGCTTCCCGATATCCGACGGTAGTGTgaagagtaacagatgat
CACNB4_955	caatgctccattcagtgaccCTTCAGCTTCCCGATATCCGACGGTAGTGTctgctattgcagagttt
CACNB4_954	gatggaagaatgtaccattgCTTCAGCTTCCCGATATCCGACGGTAGTGTtagaaccttaacagtaga
CACNB4_957	cacacatgcaagtagtttgcCTTCAGCTTCCCGATATCCGACGGTAGTGTcaagtggaaattctcttc
CACNB4_956	actaaagactcactcccccaCTTCAGCTTCCCGATATCCGACGGTAGTGTacagtgatgaaaagagt
CACNB4_958	gcctctctatcaccaatcaCTTCAGCTTCCCGATATCCGACGGTAGTGTaaaaaaagtgcatagaaaag
CACNB4_959	gggctgtgaaattggcttcaCTTCAGCTTCCCGATATCCGACGGTAGTGTtagcattttattcttctgt
CACNB4_960	atgctacagtttggactaggCTTCAGCTTCCCGATATCCGACGGTAGTGTggatgcagtagttctaca
CACNB4_961	ccgtgaaacaaatgtgagctaCTTCAGCTTCCCGATATCCGACGGTAGTGTatcctcttggaaagt
CACNB4_962	aatccgctgaaacctggcaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTccaagagaaggaaagaga
CACNB4_963	cacaagcaggcgtctgaactCTTCAGCTTCCCGATATCCGACGGTAGTGTtagtgtgcatcaaattta
CACNB4_965	gatagctaattccctctcccctCTTCAGCTTCCCGATATCCGACGGTAGTGTctgtagctgtggttct
CACNB4_964	gaaaccacagctacagcttaaCTTCAGCTTCCCGATATCCGACGGTAGTGTgagagcaaatgcatatct
CACNB4_967	agaaggaggcgggagaccaggaCTTCAGCTTCCCGATATCCGACGGTAGTGTtctcaccctctctctc
CACNB4_966	acacagggggccagagagaagCTTCAGCTTCCCGATATCCGACGGTAGTGTctctccccatctggctc
CACNB4_969	gctcttctcagcatctttcaCTTCAGCTTCCCGATATCCGACGGTAGTGTtctcctcacctctctc
CACNB4_968	cagagaccgaaaggagggtgaCTTCAGCTTCCCGATATCCGACGGTAGTGTgactgctgaaaagatgctc
CACNB4_971	ccttctctctcacactctctCTTCAGCTTCCCGATATCCGACGGTAGTGTcacacggctggccat
CACNB4_970	catggccagcccgtgctggCTTCAGCTTCCCGATATCCGACGGTAGTGTgaggtgtgaggaaggaagag
ERBB4_1052	atccgccattctgttataaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTccacctaataaacccaaa
ERBB4_1053	cggcctattgtggcagagaatcCTTCAGCTTCCCGATATCCGACGGTAGTGTgaaggccaagaaagcgtt
ERBB4_1054	catactcatctcggccttggCTTCAGCTTCCCGATATCCGACGGTAGTGTgctgtggttccagtagtca
ERBB4_1055	gaatgagcactgtacctcaaCTTCAGCTTCCCGATATCCGACGGTAGTGTttagaatactgaaatccag
ERBB4_1056	aaaaaacccacagattgtttcCTTCAGCTTCCCGATATCCGACGGTAGTGTcaaaagggttctctccc
ERBB4_1058	aggagagctggatgaggaaggCTTCAGCTTCCCGATATCCGACGGTAGTGTgctgagatttttagtact
ERBB4_1057	gtaccttgggtgctactgtccCTTCAGCTTCCCGATATCCGACGGTAGTGTaatggcagctgttctga
ERBB4_1059	actccttgtcagcagcaaaaccCTTCAGCTTCCCGATATCCGACGGTAGTGTggacatgggtgccac
ERBB4_1060	gtgccctacagagcccaactCTTCAGCTTCCCGATATCCGACGGTAGTGTatccttgtgctattaac
ERBB4_1062	cggcttcttaccatgttCTTCAGCTTCCCGATATCCGACGGTAGTGTattgcctctattatattcca
ERBB4_1061	ggaagaaaaatggaatgatggaCTTCAGCTTCCCGATATCCGACGGTAGTGTcagagacagagaggaa
ERBB4_1063	cctcagcatccatcatcttCTTCAGCTTCCCGATATCCGACGGTAGTGTattacatgatttatatct
ERBB4_1064	gtacttggctcctcaggcttCTTCAGCTTCCCGATATCCGACGGTAGTGTcatattgtgtctgatgggc
ERBB4_1065	caacctggaaatttacacagtgCTTCAGCTTCCCGATATCCGACGGTAGTGTggcctagtctaaaggca
ERBB4_1066	atthaaggaaactggctgctgCTTCAGCTTCCCGATATCCGACGGTAGTGTaacacacattttcaaacctt
ERBB4_1067	ggatttctcgcgttggaatCTTCAGCTTCCCGATATCCGACGGTAGTGTctgctattactttactaaga
ERBB4_1068	aacgtttgcctcagctcccCTTCAGCTTCCCGATATCCGACGGTAGTGTgtttgtaaatgcttaagt
ERBB4_1070	gcttgaagcaaaaatacatCTTCAGCTTCCCGATATCCGACGGTAGTGTaaaactttactcttact
ERBB4_1069	agtaagaagtaaaagttaCTTCAGCTTCCCGATATCCGACGGTAGTGTgtatttttcttacaagc
ERBB4_1071	gctgcaaatccgatgaacCTTCAGCTTCCCGATATCCGACGGTAGTGTaagattgctctcaaaaagat
ERBB4_1072	gtgaaaatcacagatttgggcCTTCAGCTTCCCGATATCCGACGGTAGTGTaaaacctgggcattaact
ERBB4_1073	gctggatggtgggctcagacCTTCAGCTTCCCGATATCCGACGGTAGTGTcataagaattgacaggca

ERBB4_1074	gcctgttgagatgtccacCTTCAGCTCCCGATATCCGACGGTAGTGTcatggtattgcatTTTTTC
ERBB4_1076	acagacaccaggcaatcacCTTCAGCTCCCGATATCCGACGGTAGTGTatataatgtaattTTTTTC
ERBB4_1075	aaaaaatttacataaatgaCTTCAGCTCCCGATATCCGACGGTAGTGTttcctgggtgtctgta
ERBB4_1078	gagctgaagagggtaaaagtcCTTCAGCTCCCGATATCCGACGGTAGTGTgacagagagagaggactg
ERBB4_1077	ccactgggagttaatggttccaCTTCAGCTCCCGATATCCGACGGTAGTGTttaaactaacgatatgcg
ERBB4_1079	attactccagctgcaatcaggCTTCAGCTCCCGATATCCGACGGTAGTGTgaagaggagaagaata
ERBB4_1080	ggtaggctcttcttctggtCTTCAGCTCCCGATATCCGACGGTAGTGTatttggaaatggtgataat
ERBB4_1082	ctttcctagtatcatgaacaaCTTCAGCTCCCGATATCCGACGGTAGTGTtctgtaattgctgca
ERBB4_1081	attctccatccacagtacatCTTCAGCTCCCGATATCCGACGGTAGTGTacaaaatggaacatgta
ERBB4_1083	gttgggcatctttaaataCTTCAGCTCCCGATATCCGACGGTAGTGTccttggccagcaagaatg
ERBB4_1084	aatgtccagatggcttacaggCTTCAGCTCCCGATATCCGACGGTAGTGTaacacatgaatactcc
ERBB4_1086	cctgaagacatctgtgtgtCTTCAGCTCCCGATATCCGACGGTAGTGTacacctctcatgtggct
ERBB4_1085	agccatgaggagggtgaagcCTTCAGCTCCCGATATCCGACGGTAGTGTaccacagatgcttcagg
ERBB4_1087	cagatggtgacacacattcctCTTCAGCTCCCGATATCCGACGGTAGTGTgaaggcaacctagaaga
ERBB4_1088	ggggacctggccagaccaaCTTCAGCTCCCGATATCCGACGGTAGTGTctttagaatagcattacct
ERBB4_1089	gtgtgtccagttaatggtatCTTCAGCTCCCGATATCCGACGGTAGTGTgtttggtccaaagaaga
ERBB4_1090	cagcacaatcaaccagagaatCTTCAGCTCCCGATATCCGACGGTAGTGTcttatctcaagcaacagg
ERBB4_1091	ataaggctgtcacattttatCTTCAGCTCCCGATATCCGACGGTAGTGTgctgctgattctcttc
ERBB4_1092	cctacaagtgaagagtgaaaaaCTTCAGCTCCCGATATCCGACGGTAGTGTaatctgtgagccctgc
ERBB4_1093	cctgaacatacagctatggccaCTTCAGCTCCCGATATCCGACGGTAGTGTagaanaattctactacccc
ERBB4_1095	caactgtgcctatgaacaCTTCAGCTCCCGATATCCGACGGTAGTGTgtaaaaaatataattggct
ERBB4_1094	gcaaaatataatttactaaaggCTTCAGCTCCCGATATCCGACGGTAGTGTatagcgcaacagttgc
ERBB4_1096	cctgtccaatgcatcacaCTTCAGCTCCCGATATCCGACGGTAGTGTtaactgacaaaaatata
ERBB4_1097	cagctcagactgtggattccCTTCAGCTCCCGATATCCGACGGTAGTGTacaataaaaaatactctgct
ERBB4_1098	aactggaatctaccacaagttaCTTCAGCTCCCGATATCCGACGGTAGTGTaggccagttctaacta
ERBB4_1099	gtgtgctgctgctccatgctCTTCAGCTCCCGATATCCGACGGTAGTGTatcaatgatgtaactatt
ERBB4_1100	acacatgctcactgtcattCTTCAGCTCCCGATATCCGACGGTAGTGTggttattcttattctgtta
ERBB4_1101	agtgccccaaacctttgtcCTTCAGCTCCCGATATCCGACGGTAGTGTatagaaaaaacctctctc
ERBB4_1102	gttctgcacacacagctctgCTTCAGCTCCCGATATCCGACGGTAGTGTgagcagataataaagag
ERBB4_1103	atgtgacggcagatgctacggCTTCAGCTCCCGATATCCGACGGTAGTGTctgaattgagcaagaca
ERBB4_1105	acacaggttgatgtggtcaagCTTCAGCTCCCGATATCCGACGGTAGTGTattataactgcatgtcc
ERBB4_1104	ggacatgcacgttataatcttCTTCAGCTCCCGATATCCGACGGTAGTGTaccacatcaacctgtgt
ERBB4_1106	gtctgcataacaaaggaattgCTTCAGCTCCCGATATCCGACGGTAGTGTgccacatagggtagaaca
ERBB4_1107	atattgttggaaacctggcCTTCAGCTCCCGATATCCGACGGTAGTGTtaccttttcatcaacaag
ERBB4_1108	cccacgaataatgctaaattCTTCAGCTCCCGATATCCGACGGTAGTGTgcatattgccattttgga
ERBB4_1109	gatcgatatgcttggcaataCTTCAGCTCCCGATATCCGACGGTAGTGTaacacaggcaactgtttgt
ERBB4_1110	ccaggtcagagagagagctcaCTTCAGCTCCCGATATCCGACGGTAGTGTgagaaaaagaagccacagc
ERBB4_1111	acagcagtagcagccttgcCTTCAGCTCCCGATATCCGACGGTAGTGTgaaatagagattttgagaaa
ERBB4_1113	ccttctggcaactcggctgcCTTCAGCTCCCGATATCCGACGGTAGTGTtggacatgaattgtcagc
ERBB4_1112	gtgacaattacatgtccaaatggCTTCAGCTCCCGATATCCGACGGTAGTGTccggagtgccagaagg
MEF2C_1154	gtggaattcgttccggtgatCTTCAGCTCCCGATATCCGACGGTAGTGTactctgcaagaaaaaa
MEF2C_1155	cattggactcaccagacctcCTTCAGCTCCCGATATCCGACGGTAGTGTccacccttcgagatacc
MEF2C_1156	actctgagataaatgagtctagtCTTCAGCTCCCGATATCCGACGGTAGTGTggagatctccccgct
MEF2C_1157	caaatctctcctgcttctacCTTCAGCTCCCGATATCCGACGGTAGTGTgtctatgagcttttaa
MEF2C_1159	gccctcagtcagttgggtaCTTCAGCTCCCGATATCCGACGGTAGTGTtcttaactagagactc
MEF2C_1158	gaagagcctggtggttgaCTTCAGCTCCCGATATCCGACGGTAGTGTgtcattgttttcaaaat
MEF2C_1160	attatcgttattatagatattttCTTCAGCTCCCGATATCCGACGGTAGTGTgacaggtctgcactac
MEF2C_1161	gttgctacggaaccatggCTTCAGCTCCCGATATCCGACGGTAGTGTacttttctatctgtatttc
MEF2C_1162	cctactttaccaggacaaggaaCTTCAGCTCCCGATATCCGACGGTAGTGTgaaatctaatttttaa
MEF2C_1164	ggtagagcgtctccctcaaaCTTCAGCTCCCGATATCCGACGGTAGTGTgtgtctatcggaagatgc
MEF2C_1163	catcttccgatagacacaacagttCTTCAGCTCCCGATATCCGACGGTAGTGTggaagcgtctcacca
MEF2C_1165	atttgctgcatattctgttCTTCAGCTCCCGATATCCGACGGTAGTGTcattatcaatatttatt
MEF2C_1166	cgtaaaccagatctccagctCTTCAGCTCCCGATATCCGACGGTAGTGTattgtttttgtaacagg
MEF2C_1167	aagcttaatggtaagacgtacattCTTCAGCTCCCGATATCCGACGGTAGTGTccagcagacctggta
MEF2C_1169	cccagactccatactgcatatCTTCAGCTCCCGATATCCGACGGTAGTGTgaggtgtggaagtaaa
MEF2C_1168	actttacctcagcaacctcagctCTTCAGCTCCCGATATCCGACGGTAGTGTctgcagatggagctg
MEF2C_1170	acaggttgctgtacaccaaCTTCAGCTCCCGATATCCGACGGTAGTGTgattacatccttaggaga
MEF2C_1171	gaaacccaacctattccaCTTCAGCTCCCGATATCCGACGGTAGTGTattctttctttacctttg
MEF2C_1172	cacagcctttgttttcttcttCTTCAGCTCCCGATATCCGACGGTAGTGTgacctactaccttggtta
MEF2C_1173	atcccgactccttattgcaCTTCAGCTCCCGATATCCGACGGTAGTGTattgatcaatgatcagcag
MEF2C_1174	ggctgtcacagcattaaggCTTCAGCTCCCGATATCCGACGGTAGTGTaatgaaggtgttctgagta
MEF2C_1175	gacccgatcggacgattcCTTCAGCTCCCGATATCCGACGGTAGTGTctgaaatactggacagcttg
MEF2C_1176	gttggtgctgtggaagatgatcagCTTCAGCTCCCGATATCCGACGGTAGTGTggggctcaccagcat
MEF2C_1177	agctgttccagatgcccagcaCTTCAGCTCCCGATATCCGACGGTAGTGTaaaacttggctgcttct
MEF2C_1179	ccacatattgtaagggtacagaCTTCAGCTCCCGATATCCGACGGTAGTGTcgagagagagaagaaaa

MEF2C_1178	gtttttcttctctctctcgtcCTTCAGCTTCCCGATATCCGACGGTAGTGTgtacccttaacatatgtg
SYNGAP1_1219	gggggagaagaagagagaagagCTTCAGCTTCCCGATATCCGACGGTAGTGTccatgatggccctcccc
SYNGAP1_1218	gggggaggccatattgggggCTTCAGCTTCCCGATATCCGACGGTAGTGTtttctctcttcttctcccc
SYNGAP1_1220	gctggatgaggatgagtggaCTTCAGCTTCCCGATATCCGACGGTAGTGTtttctgtgtgtctctgtc
SYNGAP1_1221	gagcagctggtccccgagaCTTCAGCTTCCCGATATCCGACGGTAGTGTccatttgcaaatgtttcttc
SYNGAP1_1222	gtacggcggccgagcaggtcCTTCAGCTTCCCGATATCCGACGGTAGTGTtctgacacacccccacctc
SYNGAP1_1223	gctccctggggggcccccCTTCAGCTTCCCGATATCCGACGGTAGTGTgtctccgcttctccccgcc
SYNGAP1_1225	ggaggaaatggcagaagggaaCTTCAGCTTCCCGATATCCGACGGTAGTGTaactgagccacatctggt
SYNGAP1_1224	gcctaccagatgtggctcagtCTTCAGCTTCCCGATATCCGACGGTAGTGTcttccctctggccatttc
SYNGAP1_1226	gtgctgacctgaccggtacagCTTCAGCTTCCCGATATCCGACGGTAGTGTaccctatccccatttccc
SYNGAP1_1227	cgaagctgctggctcggctCTTCAGCTTCCCGATATCCGACGGTAGTGTaacctttgacacagataac
SYNGAP1_1228	cattatcaagccagtgacagcCTTCAGCTTCCCGATATCCGACGGTAGTGTtctctctctgacctcc
SYNGAP1_1229	aatcttcatcaagttagctcCTTCAGCTTCCCGATATCCGACGGTAGTGTcttctctagacctctct
SYNGAP1_1231	aaggagtgtggagttgaggCTTCAGCTTCCCGATATCCGACGGTAGTGTagggtgtgtcccccttattc
SYNGAP1_1230	gaataaaggggacacaacctgtCTTCAGCTTCCCGATATCCGACGGTAGTGTtcaactccacactcctt
SYNGAP1_1232	catgctgtatgacgaccacCTTCAGCTTCCCGATATCCGACGGTAGTGTttaaactcatgccccccc
SYNGAP1_1233	catccaggcagagctcacagtaCTTCAGCTTCCCGATATCCGACGGTAGTGTgagtcacggtcacagatgc
SYNGAP1_1234	acttcacagagcagtggtaccCTTCAGCTTCCCGATATCCGACGGTAGTGTttaaacaactgcccggct
SYNGAP1_1235	ccagggtggccactggcacagtCTTCAGCTTCCCGATATCCGACGGTAGTGTcaactcctttgcccttg
SYNGAP1_1236	cagagtatgtaccaacattatcCTTCAGCTTCCCGATATCCGACGGTAGTGTtccggagggggaggg
SYNGAP1_1237	aactcttatatagctccatgggCTTCAGCTTCCCGATATCCGACGGTAGTGTacctggccttgctgt
SYNGAP1_1238	aggctgacctggatttctcCTTCAGCTTCCCGATATCCGACGGTAGTGTagtccacatctgcagag
SYNGAP1_1239	ctgcacaaccaatctcCTTCAGCTTCCCGATATCCGACGGTAGTGTactcttctatgctttagtggtc
SYNGAP1_1240	acctccagatgtccaccCTTCAGCTTCCCGATATCCGACGGTAGTGTggaacgggagcacctcatattc
SYNGAP1_1241	gaatgtgctgtgagttggccctCTTCAGCTTCCCGATATCCGACGGTAGTGTgaccacacctcttgtgc
SYNGAP1_1242	caggttggctggctctgCTTCAGCTTCCCGATATCCGACGGTAGTGTctctttgaggatggacagat
SYNGAP1_1244	gaagcaaacacctctcagctCTTCAGCTTCCCGATATCCGACGGTAGTGTtactctgcataagccc
SYNGAP1_1243	cagacaggttatcagcctcCTTCAGCTTCCCGATATCCGACGGTAGTGTcggtctctcttctctct
SYNGAP1_1245	actttccaagtggaggagctcCTTCAGCTTCCCGATATCCGACGGTAGTGTactctcttaagctccttc
SYNGAP1_1246	ggccaggttctggatgacctgCTTCAGCTTCCCGATATCCGACGGTAGTGTcatagcctccccatctc
SYNGAP1_1247	ccaacagcagtagcttggaggCTTCAGCTTCCCGATATCCGACGGTAGTGTtttatcttctgacttctg
SYNGAP1_1248	gtgtccagattggagatctcataCTTCAGCTTCCCGATATCCGACGGTAGTGTgggatagggcaagagg
SYNGAP1_1249	catccaaaggcagccaagccCTTCAGCTTCCCGATATCCGACGGTAGTGTcctcagaggccctctaga
SYNGAP1_1250	agagctgtgctgatgtcgtgaCTTCAGCTTCCCGATATCCGACGGTAGTGTgggtgctcactctgtgag
SYNGAP1_1251	ggaggaaaagcaccagttctcCTTCAGCTTCCCGATATCCGACGGTAGTGTgctacatgatgcccga
SYNGAP1_1253	agcacagacagagaaggagagaCTTCAGCTTCCCGATATCCGACGGTAGTGTggtgagtgaggagggaa
SYNGAP1_1252	gtctgttccctcccactcCTTCAGCTTCCCGATATCCGACGGTAGTGTatctctctctctctgtct
SYNGAP1_1254	gttctatgtaagcgtccaccCTTCAGCTTCCCGATATCCGACGGTAGTGTcaggagccctgacctta
SYNGAP1_1255	ggtctttaccaccaggcctCTTCAGCTTCCCGATATCCGACGGTAGTGTaccctgtaagtccagcatg
SYNGAP1_1256	cagccttggggctacggcctgCTTCAGCTTCCCGATATCCGACGGTAGTGTgagtgtcaacaagagtgtg
SYNGAP1_1257	ggcttgagtgcagcaggtccccCTTCAGCTTCCCGATATCCGACGGTAGTGTgggacaccgtctgtggtg
SYNGAP1_1258	cggtggccatggcccactctcCTTCAGCTTCCCGATATCCGACGGTAGTGTctcagccagatgggtg
SYNGAP1_1259	gacctggccatcagcagccCTTCAGCTTCCCGATATCCGACGGTAGTGTtcttgctatagccatggaat
SYNGAP1_1260	cagtgatgagttggaccctctgCTTCAGCTTCCCGATATCCGACGGTAGTGTaccaccaccgaggtg
SYNGAP1_1261	gtggctatgaaggatggaggcagcCTTCAGCTTCCCGATATCCGACGGTAGTGTgaggggctggcctct
SYNGAP1_1263	ccccaccgtcccactccagCTTCAGCTTCCCGATATCCGACGGTAGTGTataacttggctctggggac
SYNGAP1_1262	caagtctcagcagtgacagtaCTTCAGCTTCCCGATATCCGACGGTAGTGTgagcagcatgctgtccc
SYNGAP1_1264	aagcctcctaccacgaagcagCTTCAGCTTCCCGATATCCGACGGTAGTGTcatccagcgggaatctatt
SYNGAP1_1265	ccccccaccctccgccaCTTCAGCTTCCCGATATCCGACGGTAGTGTgcaagaagattgtaacttca
SYNGAP1_1266	acatgctcactgtcggctCTTCAGCTTCCCGATATCCGACGGTAGTGTaatgtacctgctttttccc
SYNGAP1_1267	ggcattgtggggttaagtggcCTTCAGCTTCCCGATATCCGACGGTAGTGTgagcggctctcatccat
SYNGAP1_1268	cttccagggtcagttatgtggCTTCAGCTTCCCGATATCCGACGGTAGTGTacaagctcaaggagtact
SYNGAP1_1269	aacaaaccagcaaatcctgatcCTTCAGCTTCCCGATATCCGACGGTAGTGTagtgcgggctgctgtg
SYNGAP1_1270	ccgctcactcttccagctCTTCAGCTTCCCGATATCCGACGGTAGTGTctgccaatgatgctcttga
SYNGAP1_1271	actcaggagcccaccaggagagCTTCAGCTTCCCGATATCCGACGGTAGTGTggcagagaaggattccca
SYNGAP1_1273	gggacgggctcagtggggtCTTCAGCTTCCCGATATCCGACGGTAGTGTggacacggagaagataaatg
SYNGAP1_1272	catttatcttccgtgtccaccCTTCAGCTTCCCGATATCCGACGGTAGTGTcaactgaaacccgtccc
SYNGAP1_1274	attacggagaacggcaggttccCTTCAGCTTCCCGATATCCGACGGTAGTGTcgtcctcttttgggtg
SYNGAP1_1275	cgggtgggggtggtggggcCTTCAGCTTCCCGATATCCGACGGTAGTGTggtgatgctcaatcctggtg
CLVS2_1276	atatggtcatcaccaggccggCTTCAGCTTCCCGATATCCGACGGTAGTGTggaagctcagagataggc
CLVS2_1277	cagcgtgtctgggtttcattgaCTTCAGCTTCCCGATATCCGACGGTAGTGTgcggaaggcctcaagat
CLVS2_1278	caagcagcactgaaggatggCTTCAGCTTCCCGATATCCGACGGTAGTGTtcatcttacccttctg
CLVS2_1279	gccagggtcggctgcttaaCTTCAGCTTCCCGATATCCGACGGTAGTGTagaatacaagttggattta
CLVS2_1280	acttcacttcaagcaagccCTTCAGCTTCCCGATATCCGACGGTAGTGTtttagtactttctgtcgc
CLVS2_1281	gatcaaaacaacccattcactCTTCAGCTTCCCGATATCCGACGGTAGTGTagaagtcaaacacaagag

CLVS2_1282	cggaaaagggtattctttctCCTCAGCTTCCCGATATCCGACGGTAGTGTgattgtttttctccat
CLVS2_1283	atcacggtgtacagggcatgCCTCAGCTTCCCGATATCCGACGGTAGTGTgaagtacattttactatagc
CLVS2_1284	ggcaagaacactgctagaccatCCTCAGCTTCCCGATATCCGACGGTAGTGTtccccctctctgcat
CLVS2_1285	gtccccatgtcataaggaggcCCTCAGCTTCCCGATATCCGACGGTAGTGTtacctccagcatacctctt
CLVS2_1286	gttttctgtatacattttctggCCTCAGCTTCCCGATATCCGACGGTAGTGTgcatgcctggaagga
CLVS2_1288	aaggataaagccaacgtcagCCTCAGCTTCCCGATATCCGACGGTAGTGTttccatttctaatacctga
CLVS2_1287	cccttcattggattagaatggaCCTCAGCTTCCCGATATCCGACGGTAGTGTcactgacgttggcttat
STX1A_1304	cagatgatgatcatgattttctcCCTCAGCTTCCCGATATCCGACGGTAGTGTcccagccaggtggcag
STX1A_1305	gtcatcgctccactgttggggcCCTCAGCTTCCCGATATCCGACGGTAGTGTgactgtccagctccag
STX1A_1306	cgtgttccacattgtactcgaCCTCAGCTTCCCGATATCCGACGGTAGTGTatggttgggggtcctaata
STX1A_1307	ggtagactatgtggagaggccCCTCAGCTTCCCGATATCCGACGGTAGTGTcaggggtcttctctgaa
STX1A_1308	gcttgatgatctcactgtccgCCTCAGCTTCCCGATATCCGACGGTAGTGTgaggttagtgcagccctg
STX1A_1309	cgtgagctacacgacatgttcatCCTCAGCTTCCCGATATCCGACGGTAGTGTcagcaagcctctgggt
STX1A_1311	gacccctagtgtgggtctggacCCTCAGCTTCCCGATATCCGACGGTAGTGTgagggaccagaccagt
STX1A_1310	gtcacactgagcccagccctctCCTCAGCTTCCCGATATCCGACGGTAGTGTggtgagggggtcatggca
STX1A_1312	ccacaaacttctggacagctggCCTCAGCTTCCCGATATCCGACGGTAGTGTgccctccaggtctcca
STX1A_1313	ggtcatgtcggagtacaaccaCCTCAGCTTCCCGATATCCGACGGTAGTGTgacacaggtgcggccac
STX1A_1314	gtggctgctaagtataaccaggCCTCAGCTTCCCGATATCCGACGGTAGTGTcagagaccaggtgcc
STX1A_1317	ggggcattctagccctgtctcCCTCAGCTTCCCGATATCCGACGGTAGTGTtaccaccctttctac
STX1A_1316	aggtagaagggtggggtaggCCTCAGCTTCCCGATATCCGACGGTAGTGTaagcaggctagaatgcc
STX1A_1318	atctctccactcgggaccaaCCTCAGCTTCCCGATATCCGACGGTAGTGTcttggggcctgaaacc
STX1A_1319	cgaggcttcattgacaagatcgcaCCTCAGCTTCCCGATATCCGACGGTAGTGTgctggccctctc
STX1A_1321	gcctctgagccaggttcagtCCTCAGCTTCCCGATATCCGACGGTAGTGTgacagcagatgatgatg
STX1A_1320	gtggacgtatgtacaggaccacCCTCAGCTTCCCGATATCCGACGGTAGTGTgaaaggggtgggtgtgc
STX1A_1323	ccggcccagcgcggccgccCCTCAGCTTCCCGATATCCGACGGTAGTGTgcccggccggctggcgc
STX1A_1322	cgccagcccggcccggcccCCTCAGCTTCCCGATATCCGACGGTAGTGTggccgcgctggggccgga
SEMA3E_1385	cattttaagcttttctctCCTCAGCTTCCCGATATCCGACGGTAGTGTaaattcttaaaagacagt
SEMA3E_1386	caccctcaagtggaaagtatgcCCTCAGCTTCCCGATATCCGACGGTAGTGTatctcgcaggagcaaaa
SEMA3E_1387	caaggtgattttacggacctCCTCAGCTTCCCGATATCCGACGGTAGTGTaagaattcctgtaccatg
SEMA3E_1388	aggtagtggaaaggagaaagtCCTCAGCTTCCCGATATCCGACGGTAGTGTacagatgacagatggtt
SEMA3E_1389	cccttccactacatctctgCCTCAGCTTCCCGATATCCGACGGTAGTGTcatctgatttgttaacct
SEMA3E_1390	gccagatgttctcagtcttaCCTCAGCTTCCCGATATCCGACGGTAGTGTtttgaatagcagctatg
SEMA3E_1391	acagtactttgtggaatgtaccCCTCAGCTTCCCGATATCCGACGGTAGTGTgacttaataatgttt
SEMA3E_1392	gtctccgaaacgcctgaaaCCTCAGCTTCCCGATATCCGACGGTAGTGTactcttttaagaagtgtg
SEMA3E_1393	gttcgacatggaatgcagcCCTCAGCTTCCCGATATCCGACGGTAGTGTgatcatttttctagtagc
SEMA3E_1394	cagtcagcacaagcacttccCCTCAGCTTCCCGATATCCGACGGTAGTGTattagggtttccaaagcaa
SEMA3E_1395	gcctggctcgagacccttaccCCTCAGCTTCCCGATATCCGACGGTAGTGTgattttgtccattctgcta
SEMA3E_1397	ggtgtgtgtgtctatatgtgagCCTCAGCTTCCCGATATCCGACGGTAGTGTatattaaggttaagtgt
SEMA3E_1396	acatttaccataatgtgtaCCTCAGCTTCCCGATATCCGACGGTAGTGTatagaacacacacct
SEMA3E_1399	actacaagtgagatgtaaataggCCTCAGCTTCCCGATATCCGACGGTAGTGTggaattgtctgaaag
SEMA3E_1398	acaagaataaactagaatctaCCTCAGCTTCCCGATATCCGACGGTAGTGTtctgtatttttgcctta
SEMA3E_1400	gtttttatgggcaggttttaCCTCAGCTTCCCGATATCCGACGGTAGTGTatctctgagctatttctc
SEMA3E_1401	acctgaaacaaatagcagtagaCCTCAGCTTCCCGATATCCGACGGTAGTGTgggagatcggaaacc
SEMA3E_1402	gctttacaccaaagagaaaatCCTCAGCTTCCCGATATCCGACGGTAGTGTgctgtacattagtgga
SEMA3E_1404	ccaagcctggttctgtaagtCCTCAGCTTCCCGATATCCGACGGTAGTGTaatattttctagggca
SEMA3E_1403	aggtccttctatgtcataCCTCAGCTTCCCGATATCCGACGGTAGTGTtctatgaaacagtgaaaca
SEMA3E_1405	cctacaaagataagagtcaagtCCTCAGCTTCCCGATATCCGACGGTAGTGTaaggtgcccaatgc
SEMA3E_1407	caatatagaacaagatgctcCCTCAGCTTCCCGATATCCGACGGTAGTGTactaagcagtggaatgg
SEMA3E_1406	ggccattccatcgcttagtatCCTCAGCTTCCCGATATCCGACGGTAGTGTggcattctgtctatata
SEMA3E_1408	ccctctacatcattctgtaCCTCAGCTTCCCGATATCCGACGGTAGTGTgagcaaatataacct
SEMA3E_1409	ataagtgaggcactttcctaaaCCTCAGCTTCCCGATATCCGACGGTAGTGTaaagtcataactctggc
SEMA3E_1411	atgctcagcaattacaccCCTCAGCTTCCCGATATCCGACGGTAGTGTcatttttctctattttt
SEMA3E_1410	catctctgtcttattgtcaggCCTCAGCTTCCCGATATCCGACGGTAGTGTgtgagataagcaagcat
SEMA3E_1412	aacaattcactactacacggCCTCAGCTTCCCGATATCCGACGGTAGTGTacatactctttctctatc
SEMA3E_1413	gctggactctacagtactctCCTCAGCTTCCCGATATCCGACGGTAGTGTatagatataatgtcata
SEMA3E_1414	cctctctcagatctgggtgaCCTCAGCTTCCCGATATCCGACGGTAGTGTaaagaatgtaactgaattg
SEMA3E_1415	gatgtccttttgacccagcCCTCAGCTTCCCGATATCCGACGGTAGTGTgaagtttcatatgtttacc
SEMA3E_1416	cccgaacataattgacattCCTCAGCTTCCCGATATCCGACGGTAGTGTtgtttttattgacagcaa
SEMA3E_1417	cactataacaggacacaccttCCTCAGCTTCCCGATATCCGACGGTAGTGTaaacatgacttctagg
SEMA3E_1419	gattcattgtaaataaacaaatCCTCAGCTTCCCGATATCCGACGGTAGTGTtttcagtgtggtttat
SEMA3E_1418	ataaacacactgaaaccatttCCTCAGCTTCCCGATATCCGACGGTAGTGTtaattacaatgaatc
SEMA3E_1420	gcagcattgtatggagatcaaCCTCAGCTTCCCGATATCCGACGGTAGTGTccttttctactctactga
SEMA3E_1421	caagagaggctcttctgggaCCTCAGCTTCCCGATATCCGACGGTAGTGTattacattttctctgttg
SEMA3E_1422	gtccagtaagtaacccacCCTCAGCTTCCCGATATCCGACGGTAGTGTacgacttttttcttttt
SEMA3E_1423	ggacaggaggtcatacagctCCTCAGCTTCCCGATATCCGACGGTAGTGTgaggggaagtctaagtaaa

KCNQ3_1534	gtcgtccacaggggatgggattCTTCAGCTTCCCGATATCCGACGGTAGTGTcccagagacagatgatt
KCNQ3_1533	gtctgtgtcgtctcacctcCTTCAGCTTCCCGATATCCGACGGTAGTGTctacattacaaggggggt
KCNQ3_1535	gtctcgtgatgctactctctCTTCAGCTTCCCGATATCCGACGGTAGTGTctcatccagctcgacc
KCNQ3_1536	gtccctgatgtcgtcaaccaCTTCAGCTTCCCGATATCCGACGGTAGTGTgctctgctacttgactc
KCNQ3_1538	cagcaacaacgatgtgagagCTTCAGCTTCCCGATATCCGACGGTAGTGTgaaccacctacagcttc
KCNQ3_1537	ggggcaggttcacaggggtcaCTTCAGCTTCCCGATATCCGACGGTAGTGTggtcagcctgggagtgccag
KCNQ3_1539	gcccttggttgggtaatactcCTTCAGCTTCCCGATATCCGACGGTAGTGTgtcaatggctcacctggt
KCNQ3_1540	cgccagctgaagcagagaagCTTCAGCTTCCCGATATCCGACGGTAGTGTtcacagctctttgatttc
KCNQ3_1541	gtctcagtctgtcaccaggcCTTCAGCTTCCCGATATCCGACGGTAGTGTtctcccatgtcctgaac
KCNQ3_1543	gatctgtacatttatttcaCTTCAGCTTCCCGATATCCGACGGTAGTGTtctgctctcttaggaat
KCNQ3_1542	cgaacacttctataagatcattaCTTCAGCTTCCCGATATCCGACGGTAGTGTccagtttttggtgaga
KCNQ3_1544	catatctattctgaaagaacaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTgcaccctggcccat
KCNQ3_1545	ggacctccctcacgcaaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTtctatattccaacct
KCNQ3_1546	cctcaaagtctcttgaattttCTTCAGCTTCCCGATATCCGACGGTAGTGTtagggctttaggggag
KCNQ3_1547	gatgtgattgagcagatctctCTTCAGCTTCCCGATATCCGACGGTAGTGTgctctctgttatagctcc
KCNQ3_1548	catctgggagggagacacatatCTTCAGCTTCCCGATATCCGACGGTAGTGTggcacaggtgggaccg
KCNQ3_1549	cggaagacaggggctatgggaCTTCAGCTTCCCGATATCCGACGGTAGTGTggggattgacacatccag
KCNQ3_1550	gactttctctatggcatctacaCTTCAGCTTCCCGATATCCGACGGTAGTGTgaagagacaggggga
KCNQ3_1551	gaaccaaagcctgttggcttaCTTCAGCTTCCCGATATCCGACGGTAGTGTtttgcctattttgtagcca
KCNQ3_1552	cggtcatttcacagtgctgaatCTTCAGCTTCCCGATATCCGACGGTAGTGTtccaagagaccagctt
KCNQ3_1554	gaattcccttctcacatctctCTTCAGCTTCCCGATATCCGACGGTAGTGTgagaagcttgcagcaa
KCNQ3_1553	gcttctctgaagatgatggCTTCAGCTTCCCGATATCCGACGGTAGTGTtaggaaatcataacagaa
KCNQ3_1556	ggggactcacctgaatgctcagCTTCAGCTTCCCGATATCCGACGGTAGTGTcattgttgcctctttt
KCNQ3_1555	aaagaggggcaacaatgagtgCTTCAGCTTCCCGATATCCGACGGTAGTGTcattcagtgagtcccca
KCNQ3_1558	atgaaactggaatgggattaagatCTTCAGCTTCCCGATATCCGACGGTAGTGTcctgctctccctccag
KCNQ3_1557	gaggcaggcaggcagtcaccCTTCAGCTTCCCGATATCCGACGGTAGTGTtccagttcatccaggca
KCNQ3_1559	cagtgtgatctgaagagagaaCTTCAGCTTCCCGATATCCGACGGTAGTGTggggatgcatatatcaa
KCNQ3_1560	acaagacacccaaaactgtggaaCTTCAGCTTCCCGATATCCGACGGTAGTGTtggccaagctgatgga
KCNQ3_1561	aaccaggtagacaagaatgaaCTTCAGCTTCCCGATATCCGACGGTAGTGTgacagctcaatctcacaga
KCNQ3_1562	aggtaggtgcacaagagagaaCTTCAGCTTCCCGATATCCGACGGTAGTGTgactccccagtgaccact
KCNQ3_1563	atctgcaggaagcgaggcttcCTTCAGCTTCCCGATATCCGACGGTAGTGTggcataggtgggtggaa
KCNQ3_1564	gcacctggaagcttctgggcCTTCAGCTTCCCGATATCCGACGGTAGTGTcagacatctttgtgctgatt
KCNQ3_1565	agcatgtccaagcagtgaggacaCTTCAGCTTCCCGATATCCGACGGTAGTGTaaccactggcacagagg
KCNQ3_1566	atgaaaatagcaaatgtctcctCTTCAGCTTCCCGATATCCGACGGTAGTGTgaggctcagggtcagga
KCNQ3_1567	ggagccgagtttctttaggCTTCAGCTTCCCGATATCCGACGGTAGTGTgacaacagcacaatgga
KCNQ3_1569	attgattctgggtaaatgctCTTCAGCTTCCCGATATCCGACGGTAGTGTtaggttctttagtccattt
KCNQ3_1568	aaatggactaaggaacttgaCTTCAGCTTCCCGATATCCGACGGTAGTGTttaccagaatgcaat
KCNQ3_1571	ggattctcatttggggatgataCTTCAGCTTCCCGATATCCGACGGTAGTGTgaccttgtctgccat
KCNQ3_1570	gcagacaaggtcaagataaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTtcaaaatgagaatccaaag
KCNQ3_1572	gtacttggcgttcttctgacCTTCAGCTTCCCGATATCCGACGGTAGTGTccaagtccccagcgc
KCNQ3_1573	ggcgcatacaactttgatctaCTTCAGCTTCCCGATATCCGACGGTAGTGTgacaaagcgggacctg
KCNQ3_1574	ccctcggctgggttagccgCTTCAGCTTCCCGATATCCGACGGTAGTGTtcggcgcgcccctcca
KCNQ3_1575	acgcggcggcggcggcagcCTTCAGCTTCCCGATATCCGACGGTAGTGTgagcggagaaggcgaagcgg
APBA1_1577	aggactctcctctggttCTTCAGCTTCCCGATATCCGACGGTAGTGTccccactaaagtgtgtt
APBA1_1576	gtaaaagaacaccttagtggCTTCAGCTTCCCGATATCCGACGGTAGTGTcacaaccaggaaggag
APBA1_1579	cacgagaagatgtccacattCTTCAGCTTCCCGATATCCGACGGTAGTGTaatgagggtaactgtcct
APBA1_1578	acgctcctctcagctattcCTTCAGCTTCCCGATATCCGACGGTAGTGTcagcaccacctcagcc
APBA1_1580	actcgggactgattcttaagCTTCAGCTTCCCGATATCCGACGGTAGTGTtgtggaaaaggggtgga
APBA1_1581	aagctgaatatcgtgagatgctCTTCAGCTTCCCGATATCCGACGGTAGTGTtccggaagcagtgca
APBA1_1582	caccatgcatcatgttggcaCTTCAGCTTCCCGATATCCGACGGTAGTGTactgattttcccatattca
APBA1_1583	gagaaatctgggaagctgaataCTTCAGCTTCCCGATATCCGACGGTAGTGTtttttctctccaggt
APBA1_1584	gggacaccaaccagatgagCTTCAGCTTCCCGATATCCGACGGTAGTGTcctttctgctctctatgaa
APBA1_1585	gttaatccattggccctgaggCTTCAGCTTCCCGATATCCGACGGTAGTGTggagaacagctccaggt
APBA1_1586	gatctcagcagaaggatagatCTTCAGCTTCCCGATATCCGACGGTAGTGTgactgcctctgctgac
APBA1_1587	gagttggagcaggcatccgCTTCAGCTTCCCGATATCCGACGGTAGTGTgcaagagaaactaaccaa
APBA1_1588	ccacctatccaggatgggaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTgctccaggagacaatga
APBA1_1589	catgcagggtgggctccaggCTTCAGCTTCCCGATATCCGACGGTAGTGTtaggaaatggctccagag
APBA1_1591	agctggctccaccttccaCTTCAGCTTCCCGATATCCGACGGTAGTGTtgtgtcaaaccttctctt
APBA1_1590	caagagaaaattgaccacactaCTTCAGCTTCCCGATATCCGACGGTAGTGTgaaaggtggaagccagc
APBA1_1593	gcctgttctttcattcgttCTTCAGCTTCCCGATATCCGACGGTAGTGTtctttagtctctacacatt
APBA1_1592	agactcaaagtcaaaaagggaaCTTCAGCTTCCCGATATCCGACGGTAGTGTagaacaggcatacacca
APBA1_1594	attccatgatcaagtctcggCTTCAGCTTCCCGATATCCGACGGTAGTGTtggagcaccagatgt
APBA1_1595	gccaattacctggctcactcCTTCAGCTTCCCGATATCCGACGGTAGTGTgagagggagatgtgcca
APBA1_1597	aaagaaaatactgagcactgagCTTCAGCTTCCCGATATCCGACGGTAGTGTtcatgttcatggatgat
APBA1_1596	cacaatcatcatgcaacatgCTTCAGCTTCCCGATATCCGACGGTAGTGTactcagtgctcagatattt

APBA1_1599	gtgctgtttttgttaccaaagccCTTCAGCTTCCCGATATCCGACGGTAGTGTtactgtgtttctcttg
APBA1_1598	caagaggaaacacagtgagaacCTTCAGCTTCCCGATATCCGACGGTAGTGTtggtaacaaacagcac
APBA1_1601	gggtcatgcccaggacattagCTTCAGCTTCCCGATATCCGACGGTAGTGTcagggtacagcaaggag
APBA1_1600	ggatggctctgttttccctccCTTCAGCTTCCCGATATCCGACGGTAGTGTgaagccaaacccgcac
APBA1_1602	gtaggggagcgtccaggctctCTTCAGCTTCCCGATATCCGACGGTAGTGTtagcagatggcatcgcg
APBA1_1603	cggccgggggtcggccgacCTTCAGCTTCCCGATATCCGACGGTAGTGTacagctacagcaggaggag
APBA1_1604	cagggcctcctggcggtagCTTCAGCTTCCCGATATCCGACGGTAGTGTggcactatctgtgctgct
APBA1_1605	gcgcgcgctgcaccattacCTTCAGCTTCCCGATATCCGACGGTAGTGTccgactacggcggcctccag
APBA1_1606	gtgtccagcagtggaagtgCTTCAGCTTCCCGATATCCGACGGTAGTGTtctctctgtacagctgct
APBA1_1607	aggaagcatgaatgctgctctCTTCAGCTTCCCGATATCCGACGGTAGTGTtagagcgcctatgctgtg
APBA1_1608	gtgtggttgggaagcgcctctCTTCAGCTTCCCGATATCCGACGGTAGTGTctgctcgtgtactctc
APBA1_1609	gacaccgaggggcagctgCTTCAGCTTCCCGATATCCGACGGTAGTGTactatgtggccgcccacca
APBA1_1610	caccgactgttccctccacCTTCAGCTTCCCGATATCCGACGGTAGTGTtctctctgcccagct
APBA1_1611	acccgaggtggaagaggaacCTTCAGCTTCCCGATATCCGACGGTAGTGTcggccagcttctctc
KCNT1_862	accggacttctgagtttgacacCTTCAGCTTCCCGATATCCGACGGTAGTGTaagaaggtggcgctcc
KCNT1_863	ggtgtagccccgcccgcCTTCAGCTTCCCGATATCCGACGGTAGTGTtctcggagggtgcccggagc
KCNT1_864	cctgctgctggcggaccctctCTTCAGCTTCCCGATATCCGACGGTAGTGTggggcgtggcgtgtg
KCNT1_865	cccgaagcggtagcggcCTTCAGCTTCCCGATATCCGACGGTAGTGTcggcggaccggcctcagca
KCNT1_867	gaagcagagggggcatggaggCTTCAGCTTCCCGATATCCGACGGTAGTGTcaacacctcctgctgg
KCNT1_866	ccaggcagggaggttggaggCTTCAGCTTCCCGATATCCGACGGTAGTGTcatgcccctctgctctc
KCNT1_869	gcacaatgtagagcaggcagtgCTTCAGCTTCCCGATATCCGACGGTAGTGTcccaggagcctatca
KCNT1_868	gccacgtgcccggcggcCTTCAGCTTCCCGATATCCGACGGTAGTGTtagcctgaggccgctgcct
KCNT1_871	ccccttagcaccactgcaaggaCTTCAGCTTCCCGATATCCGACGGTAGTGTctgagcctgctgctatt
KCNT1_870	caggggtgggtgggatgctctCTTCAGCTTCCCGATATCCGACGGTAGTGTccagcgtgtgtctctc
KCNT1_873	actagtgtccccagccaccctggCTTCAGCTTCCCGATATCCGACGGTAGTGTcactcagctgggag
KCNT1_872	ccccctcccagctcagtgCTTCAGCTTCCCGATATCCGACGGTAGTGTccaggggtggggggacac
KCNT1_875	ggagctctgagcaggcccggcctCTTCAGCTTCCCGATATCCGACGGTAGTGTgggagggggggacc
KCNT1_874	gggggtccccaccctcccaCTTCAGCTTCCCGATATCCGACGGTAGTGTccccggctgctcagagct
KCNT1_877	actctgccctcatcatcaCTTCAGCTTCCCGATATCCGACGGTAGTGTtccccaccctcccctccc
KCNT1_876	gcaaacggggggtatCTTCAGCTTCCCGATATCCGACGGTAGTGTacaggtcaggcctggggctccagg
KCNT1_879	gggatgaacaggttccgagcCTTCAGCTTCCCGATATCCGACGGTAGTGTactgcacagtgctctc
KCNT1_878	cgctggaaaacatgattgaagcCTTCAGCTTCCCGATATCCGACGGTAGTGTgagccccagctccag
KCNT1_880	ccttctgacacctgctgtCTTCAGCTTCCCGATATCCGACGGTAGTGTtctagtctctattattggc
KCNT1_881	gaggacctggtgaacatggcCTTCAGCTTCCCGATATCCGACGGTAGTGTgagacataggcatctgtatc
KCNT1_882	gtcacgccaagatctggcCTTCAGCTTCCCGATATCCGACGGTAGTGTaggcccccctcactgccag
KCNT1_883	atgcagaagtagaaggagctcCTTCAGCTTCCCGATATCCGACGGTAGTGTctggtcccagaggacc
KCNT1_884	gcacagtggggggcactcCTTCAGCTTCCCGATATCCGACGGTAGTGTtgggtcatcatgatctgc
KCNT1_886	caggtggcggctgtagttgccccCTTCAGCTTCCCGATATCCGACGGTAGTGTcgtctgctggccacg
KCNT1_885	gtcagctccctcaagctcagctCTTCAGCTTCCCGATATCCGACGGTAGTGTgctcgtgtgctcacc
KCNT1_887	actcaagaccaggacctcatcgCTTCAGCTTCCCGATATCCGACGGTAGTGTgacctccgctggcc
KCNT1_888	cagagccctggagtagatgacctCTTCAGCTTCCCGATATCCGACGGTAGTGTtggccaggagagcga
KCNT1_890	gcaccagggcctgagcgtggcCTTCAGCTTCCCGATATCCGACGGTAGTGTccccgctccccgcccc
KCNT1_889	gggcccgggagcggggctcctCTTCAGCTTCCCGATATCCGACGGTAGTGTctcaggccctggtgat
KCNT1_892	ggcagttggggcgaagtctctCTTCAGCTTCCCGATATCCGACGGTAGTGTcagatgacacatccca
KCNT1_891	acaagttcacgtcaagtttctCTTCAGCTTCCCGATATCCGACGGTAGTGTtagagccagccgctct
KCNT1_893	gacctccacctcatccctCTTCAGCTTCCCGATATCCGACGGTAGTGTtagtactgtggggaggga
KCNT1_894	ggcagatgagttcagcggcCTTCAGCTTCCCGATATCCGACGGTAGTGTcccggcagcaggcc
KCNT1_895	gcatgggtgacagcaagttctcCTTCAGCTTCCCGATATCCGACGGTAGTGTgaaggggagcagctggc
KCNT1_896	gatgtgtacacctggttggcCTTCAGCTTCCCGATATCCGACGGTAGTGTcagagcagagcagcct
KCNT1_897	aacatcaccaaggaggagaactCTTCAGCTTCCCGATATCCGACGGTAGTGTaagttgcccgtcctct
KCNT1_898	atgtagaagcaggtgtcagaggCTTCAGCTTCCCGATATCCGACGGTAGTGTggaggcagatgctgtg
KCNT1_899	gtgaccaggtgggatgggagaccaCTTCAGCTTCCCGATATCCGACGGTAGTGTggggctgcagcagggt
KCNT1_900	cggcggcccagcatcgcccCTTCAGCTTCCCGATATCCGACGGTAGTGTcaaagcagaggctctct
KCNT1_901	gcccagccgttctcgtggcaCTTCAGCTTCCCGATATCCGACGGTAGTGTtaccagggagaccct
KCNT1_902	ccttgggtgtccccatgctctCTTCAGCTTCCCGATATCCGACGGTAGTGTccagtcggaggatgaggt
KCNT1_903	acaaggttaaggctggcgtctCTTCAGCTTCCCGATATCCGACGGTAGTGTgtgctgagggtcctgtc
KCNT1_904	ggccttccacaggcaggagctCTTCAGCTTCCCGATATCCGACGGTAGTGTcaatggtatgaaatgtaa
KCNT1_905	atgggtgtacaactctctgCTTCAGCTTCCCGATATCCGACGGTAGTGTaccagaccctgactcc
KCNT1_906	gcttgttctgaaccctaggcCTTCAGCTTCCCGATATCCGACGGTAGTGTcaggagcctcacttgtg
KCNT1_907	gcaggggaaatggggcctctCTTCAGCTTCCCGATATCCGACGGTAGTGTctaaccctcgtgctg
KCNT1_909	cagggcagtgggccctaccCTTCAGCTTCCCGATATCCGACGGTAGTGTcttactgtccacagagcc
KCNT1_908	acaccaccctcccctctctCTTCAGCTTCCCGATATCCGACGGTAGTGTtccaggaccctgtccc
KCNT1_911	gcaggctgtccagcgtggtggcCTTCAGCTTCCCGATATCCGACGGTAGTGTggagcaccggaaatg
KCNT1_910	gtggacaaggagagcaccatgaCTTCAGCTTCCCGATATCCGACGGTAGTGTctctgacaaatcccgg
KCNT1_912	agacccccacagccagaccacCTTCAGCTTCCCGATATCCGACGGTAGTGTccatctgaacgtcaga

KCNT1_914	gtgggtgagctccgtggtgatCTTCAGCTTCCCGATATCCGACGGTAGTGTttctccactctttctgg
KCNT1_913	ctactctctggctcttccaacCTTCAGCTTCCCGATATCCGACGGTAGTGTtctcaacaaccatg
KCNT1_915	gcatgttgacacactgctctacCTTCAGCTTCCCGATATCCGACGGTAGTGTgccactggaggacctc
KCNT1_916	gatgctgaagacgcccggCTTCAGCTTCCCGATATCCGACGGTAGTGTtcagaggagctctatcatt
KCNT1_918	ccgggtgatggtgatcatgtagtCTTCAGCTTCCCGATATCCGACGGTAGTGTcctggaatcaggggcag
KCNT1_917	gtacctctgtgccgtaagtccCTTCAGCTTCCCGATATCCGACGGTAGTGTactgtggctccctccctc
KCNT1_920	ggaggagcagagcttctggaagCTTCAGCTTCCCGATATCCGACGGTAGTGTaaggtggggatgctgtgg
KCNT1_919	ccagctcttccacctcggagCTTCAGCTTCCCGATATCCGACGGTAGTGTaactcagggttcccacc
KCNT1_922	aaggaaacagcgagctcgggaCTTCAGCTTCCCGATATCCGACGGTAGTGTcctgtgggtgggtgggt
KCNT1_921	ggagcaccagaacatcgagcttCTTCAGCTTCCCGATATCCGACGGTAGTGTtagaccaggctgaggc
KCNT1_924	cccttcacttcccgtgtctcaCTTCAGCTTCCCGATATCCGACGGTAGTGTccttgcggctcagctt
KCNT1_923	gccccacacggggcgggtCTTCAGCTTCCCGATATCCGACGGTAGTGTcaccctcccgcctcc
KCNT1_925	gagctggtgaagaaccgatgaaCTTCAGCTTCCCGATATCCGACGGTAGTGTaagagcctgcagtgggc
KCNT1_926	gagagctctggcgtcagagCTTCAGCTTCCCGATATCCGACGGTAGTGTggccgactgtcttggct
KCNT1_928	cagcctgccctccagctCTTCAGCTTCCCGATATCCGACGGTAGTGTggtgactcacacaatgct
KCNT1_927	gcacctgtgggctgtgtggagacCTTCAGCTTCCCGATATCCGACGGTAGTGTgggggggtgactctg
KCNT1_929	gagacacagctctgagccaccCTTCAGCTTCCCGATATCCGACGGTAGTGTaggctctctgtccctc
KCNT1_930	gggttgacagacagcctgtgCTTCAGCTTCCCGATATCCGACGGTAGTGTcatccccagggtcacgc
SLC25A2_1706	aagtagaccactgtgctgctgCTTCAGCTTCCCGATATCCGACGGTAGTGTtcccaggctgagct
SLC25A2_1707	gggatcgcggagctccctgctgggCTTCAGCTTCCCGATATCCGACGGTAGTGTacccttctgctctcc
SLC25A2_1708	gtcttcaccactgcaagggcgCTTCAGCTTCCCGATATCCGACGGTAGTGTaaggacgaagggctcagc
SLC25A2_1709	cgtcaacgaggacacctactctCTTCAGCTTCCCGATATCCGACGGTAGTGTcctgtgatgctcagctc
SLC25A2_1710	gtagaaggcactctctcctggaCTTCAGCTTCCCGATATCCGACGGTAGTGTgtgagcctggccaag
SLC25A2_1711	gtccttctggcggcgtgtgCTTCAGCTTCCCGATATCCGACGGTAGTGTccacctctgtcccacg
SLC25A2_1712	cactgaggcctgggacacccccCTTCAGCTTCCCGATATCCGACGGTAGTGTcccactgctctgctt
SLC25A2_1713	cggccacggccaccagctgaCTTCAGCTTCCCGATATCCGACGGTAGTGTcccagttccacagaaga
SLC25A2_1715	cacgcccagagatgctgaagaCTTCAGCTTCCCGATATCCGACGGTAGTGTcccagggtggcaggta
SLC25A2_1714	cagcccgcagcatctcttaagCTTCAGCTTCCCGATATCCGACGGTAGTGTaccctcttcccaccta
SLC25A2_1716	gttcacagcagctctgtgggCTTCAGCTTCCCGATATCCGACGGTAGTGTatcctttatctgaagccaa
SLC25A2_1717	gagaaggccatcaagctggcagCTTCAGCTTCCCGATATCCGACGGTAGTGTgggacagggttttgcca
SLC25A2_1719	gtttggctcggtgggctcagCTTCAGCTTCCCGATATCCGACGGTAGTGTacagtcaggaccctgg
SLC25A2_1718	ccagggtccctgactgtctagCTTCAGCTTCCCGATATCCGACGGTAGTGTgcccagcggaccaaac
SLC25A2_1721	cgtgtacacgagcatgtgagtgCTTCAGCTTCCCGATATCCGACGGTAGTGTgacacccctgtccacaca
SLC25A2_1720	aacacgaggtgacaccgatcagCTTCAGCTTCCCGATATCCGACGGTAGTGTgacccccacctctctg
SLC25A2_1724	gtgcctcaccaccctgaccCTTCAGCTTCCCGATATCCGACGGTAGTGTtccctcaaggcctctc
SLC25A2_1722	actcattgaccaccagtaggaCTTCAGCTTCCCGATATCCGACGGTAGTGTattgatgagcttggctgg
PRICKLE1_1778	gtcatctgtatagtaggcaaatCTTCAGCTTCCCGATATCCGACGGTAGTGTcaatgctctgcatcac
PRICKLE1_1779	gtccacctctgacttccaCTTCAGCTTCCCGATATCCGACGGTAGTGTcaggatgatgattctctgg
PRICKLE1_1780	gtagagatcagcattctgtagtCTTCAGCTTCCCGATATCCGACGGTAGTGTtcttccgagtcggaag
PRICKLE1_1781	gacagtacgcccactcactCTTCAGCTTCCCGATATCCGACGGTAGTGTatcttgttcagaaagaaaa
PRICKLE1_1782	ccgagctcttactcatcggaCTTCAGCTTCCCGATATCCGACGGTAGTGTgtctgcttgggagagt
PRICKLE1_1783	gacgctctacaatttgaagagCTTCAGCTTCCCGATATCCGACGGTAGTGTatctcagctgctcaga
PRICKLE1_1784	caaagtcccattatgctcatctCTTCAGCTTCCCGATATCCGACGGTAGTGTgagattgagactggacc
PRICKLE1_1785	acttctcatgctgcacaggaCTTCAGCTTCCCGATATCCGACGGTAGTGTgtttggcctctcttcta
PRICKLE1_1786	atatttgattaaaaccataggaCTTCAGCTTCCCGATATCCGACGGTAGTGTtctccatccaccgaa
PRICKLE1_1787	atgattatacctgaagcccaCTTCAGCTTCCCGATATCCGACGGTAGTGTcccataatccctagatt
PRICKLE1_1788	atgaaacacagtgatgaagaCTTCAGCTTCCCGATATCCGACGGTAGTGTtctgatgatgactgggca
PRICKLE1_1789	aatatccatctcattggctgCTTCAGCTTCCCGATATCCGACGGTAGTGTcccagtcactctgtgact
PRICKLE1_1790	gagccagtgagcactggatcCTTCAGCTTCCCGATATCCGACGGTAGTGTggcagagtagagcaggaa
PRICKLE1_1791	gaggccaggaaactgtagttcCTTCAGCTTCCCGATATCCGACGGTAGTGTtctcagggtcttctggag
PRICKLE1_1792	caatgctgatgacaccttctcCTTCAGCTTCCCGATATCCGACGGTAGTGTtcagtcagctcagatcaa
PRICKLE1_1793	catccaacaagaggctttacaCTTCAGCTTCCCGATATCCGACGGTAGTGTacactcttccggagtc
PRICKLE1_1794	acagggtcagattactgctcCTTCAGCTTCCCGATATCCGACGGTAGTGTtctatcttccaacacag
PRICKLE1_1795	gggtgacacagatataattaatccCTTCAGCTTCCCGATATCCGACGGTAGTGTctgtgatggtccaca
PRICKLE1_1797	agtactgtgaaacctgtgggaaCTTCAGCTTCCCGATATCCGACGGTAGTGTctgagggtcgccattgg
PRICKLE1_1796	cttcatgatatacctctgtccCTTCAGCTTCCCGATATCCGACGGTAGTGTccaagacagactaatgg
PRICKLE1_1798	gccaagtaactgcatgtttctcCTTCAGCTTCCCGATATCCGACGGTAGTGTtcaaggcagcagaagtg
PRICKLE1_1799	acgtgaaacagacaaacaggCTTCAGCTTCCCGATATCCGACGGTAGTGTgtgaaggatgaaactttt
PRICKLE1_1800	gagctgctgtgcacctcctcCTTCAGCTTCCCGATATCCGACGGTAGTGTcttttcaatcaaacctat
PRICKLE1_1801	aacacctgcaactcttttctCTTCAGCTTCCCGATATCCGACGGTAGTGTccacatcactgccacaag
PRICKLE1_1802	gaagaaagaagcactgggaagCTTCAGCTTCCCGATATCCGACGGTAGTGTgaagtagagaactggtgag
PRICKLE1_1803	gcaagcaaatagagctggaCTTCAGCTTCCCGATATCCGACGGTAGTGTtcttcttttctaatagc
PRICKLE1_1804	cagaggaaaagttccttactgtaCTTCAGCTTCCCGATATCCGACGGTAGTGTtagaggcaaacctctg
PRICKLE1_1805	aaggccagtttctcatctCTTCAGCTTCCCGATATCCGACGGTAGTGTctgaaaaacaaagatgaaat
PRICKLE1_1806	ggctgtcagagaagttccacCTTCAGCTTCCCGATATCCGACGGTAGTGTtcagggttttagatgtctttg



SCN8A_1807	caagaaaccaccaaggccgatCTTCAGCTTCCCGATATCCGACGGTAGTGTaactaacgaagctgctgc
SCN8A_1808	gcgctctcaatgtttgccagCTTCAGCTTCCCGATATCCGACGGTAGTGTatgtccccgtagatgaaag
SCN8A_1809	atacctgtttcctaacaggcttCTTCAGCTTCCCGATATCCGACGGTAGTGTggaagcagggaaagatt
SCN8A_1810	acctgataaagaatagctattCTTCAGCTTCCCGATATCCGACGGTAGTGTgactcataccatgctc
SCN8A_1811	aatgtacaaggcaggcgtggcCTTCAGCTTCCCGATATCCGACGGTAGTGTccagttgtcaaatattgga
SCN8A_1813	gaagagtcaaggggcaatattCTTCAGCTTCCCGATATCCGACGGTAGTGTaaacaacaagcacacac
SCN8A_1812	gtgtgtctgtttgttttaaatCTTCAGCTTCCCGATATCCGACGGTAGTGTtggcccttgactcttc
SCN8A_1814	ggaactggttagattcagtgCTTCAGCTTCCCGATATCCGACGGTAGTGTcagaaattacctcaagct
SCN8A_1815	cccgtaaaaaggtaaagccatCTTCAGCTTCCCGATATCCGACGGTAGTGTccacaatgcacacctaca
SCN8A_1817	caaaccaagttaactgtaatggCTTCAGCTTCCCGATATCCGACGGTAGTGTcctaaccaaccctcg
SCN8A_1816	ggttgggttaggtgtgggCTTCAGCTTCCCGATATCCGACGGTAGTGTaagtaactttggttgatt
SCN8A_1818	gtgttttgccttgatcggactCTTCAGCTTCCCGATATCCGACGGTAGTGTggggagggttgaggt
SCN8A_1819	caggcagaactgtcaggaCTTCAGCTTCCCGATATCCGACGGTAGTGTgataactcttccaatcaa
SCN8A_1820	aaaagtagttggaggccgggcCTTCAGCTTCCCGATATCCGACGGTAGTGTtgaaaatggcaccaaagg
SCN8A_1822	aaagttgaagaggcaggaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTaccctactaataacaggta
SCN8A_1821	gtacctgttattagtagggtcaaCTTCAGCTTCCCGATATCCGACGGTAGTGTcctgctcttcaaactt
SCN8A_1823	ccttatgaccaggactattCTTCAGCTTCCCGATATCCGACGGTAGTGTaagctgaactcccttt
SCN8A_1824	gaaataatgccaagaaggcccCTTCAGCTTCCCGATATCCGACGGTAGTGTtcttcaataatgtctctc
SCN8A_1825	gcttatgaagaacagaatcaggCTTCAGCTTCCCGATATCCGACGGTAGTGTactcagaatggccttt
SCN8A_1826	acagccaagatcaagttcaccCTTCAGCTTCCCGATATCCGACGGTAGTGTagaattcataccaactg
SCN8A_1827	gccattggctgatgaaaataaCTTCAGCTTCCCGATATCCGACGGTAGTGTgaagcaacaggaaagaggc
SCN8A_1828	cagctcaaagagtcaaaggaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTcctgctgtggctcttt
SCN8A_1829	gttagagattcagaagagctCTTCAGCTTCCCGATATCCGACGGTAGTGTtcttcatgccatcttct
SCN8A_1830	ccatcatgaatcaggtaaacCTTCAGCTTCCCGATATCCGACGGTAGTGTtaggaagaaaaggaaactc
SCN8A_1831	aattcctccctattctgttCTTCAGCTTCCCGATATCCGACGGTAGTGTttaaactgaacgggtac
SCN8A_1832	agaatgagttcgggatgacgCTTCAGCTTCCCGATATCCGACGGTAGTGTctctcttccctgtctg
SCN8A_1833	ggaaccgcccaggtcccctgaaCTTCAGCTTCCCGATATCCGACGGTAGTGTctgtagccgtgtagctg
SCN8A_1834	ggactgcaacggcgtgtgtcCTTCAGCTTCCCGATATCCGACGGTAGTGTtccctcttaccctatcc
SCN8A_1835	ccgtgctgttgccctcagCTTCAGCTTCCCGATATCCGACGGTAGTGTgctccgatctattgtgttc
SCN8A_1836	cctacgggcggaaggacagaCTTCAGCTTCCCGATATCCGACGGTAGTGTgccagattacctttatag
SCN8A_1837	atcagggccttctcttaaCTTCAGCTTCCCGATATCCGACGGTAGTGTatatctcagcggttggact
SCN8A_1838	aagagatttgaactgatagtaCTTCAGCTTCCCGATATCCGACGGTAGTGTtagggggccatcttg
SCN8A_1839	ccagtagggtggcactcccCTTCAGCTTCCCGATATCCGACGGTAGTGTatgttcaaatgtgtgtca
SCN8A_1840	actgaaagctggagtttcttgaCTTCAGCTTCCCGATATCCGACGGTAGTGTcaatggagaccatcct
SCN8A_1841	gttggaaacttttgacgattCTTCAGCTTCCCGATATCCGACGGTAGTGTtagcattctcttctact
SCN8A_1842	atccatggctatgacttcaCTTCAGCTTCCCGATATCCGACGGTAGTGTaatatggaataccaatcggga
SCN8A_1843	gtattttactccaattccagttCTTCAGCTTCCCGATATCCGACGGTAGTGTgctttcagtgctcgat
SCN8A_1844	ccctgggcaactgacactCTTCAGCTTCCCGATATCCGACGGTAGTGTtagaaaaatgattgagat
SCN8A_1845	accactgaatttccaataatctCTTCAGCTTCCCGATATCCGACGGTAGTGTgaggaggattcacagt
SCN8A_1846	gactgcatggaagtggcaggCTTCAGCTTCCCGATATCCGACGGTAGTGTaaaagctacaagagtgtgt
SCN8A_1847	cacatggctcaatccactccCTTCAGCTTCCCGATATCCGACGGTAGTGTccagggttagaatattcag
SCN8A_1848	gtatcaagaagggtgtggcctCTTCAGCTTCCCGATATCCGACGGTAGTGTctttttccaatgctactg
SCN8A_1849	gatcactgagatctggagggtCTTCAGCTTCCCGATATCCGACGGTAGTGTcgatacagttggccttct
SCN8A_1850	acatcattgatgaggaccacaCTTCAGCTTCCCGATATCCGACGGTAGTGTtctggatgagttgatgaa
SCN8A_1851	ccaatgccgctggtgtgccCTTCAGCTTCCCGATATCCGACGGTAGTGTctgtaaacctcctgtgtt
SCN8A_1852	gtgtgagagcaaacagggtgctCTTCAGCTTCCCGATATCCGACGGTAGTGTgactgtacgggtaccat
SCN8A_1853	gcttcacagaaggtgaaagggCTTCAGCTTCCCGATATCCGACGGTAGTGTtctctcttctcttgcgt
SCN8A_1854	atccaagtattcctcaggctgtCTTCAGCTTCCCGATATCCGACGGTAGTGTcttgaagatagccactga
SCN8A_1855	caactggtttgagaccttcatctCTTCAGCTTCCCGATATCCGACGGTAGTGTtctgaccgcctcttc
SCN8A_1856	cacgatgaggaagcagggtttcCTTCAGCTTCCCGATATCCGACGGTAGTGTgcttttccaactggcct
SCN8A_1857	gttctcaagtggacagcctatgCTTCAGCTTCCCGATATCCGACGGTAGTGTgactgtcataggcagc
SCN8A_1858	ggtgaagactttgtcagcatatCTTCAGCTTCCCGATATCCGACGGTAGTGTtaggggtgggaaacagaaa
SCN8A_1859	atttgaaggatgagggttaagataCTTCAGCTTCCCGATATCCGACGGTAGTGTtctctctgtttctg
SCN8A_1860	gggtctcaaagctttaggtCTTCAGCTTCCCGATATCCGACGGTAGTGTtctgtttgaatgatctt
SCN8A_1861	gggaaagtaccactactgctttaaCTTCAGCTTCCCGATATCCGACGGTAGTGTcaacctccccctcaa
SCN8A_1862	caacaagttaactccatgatgCTTCAGCTTCCCGATATCCGACGGTAGTGTcagttcttccatctg
SCN8A_1863	aggcagctagcacaataccaCTTCAGCTTCCCGATATCCGACGGTAGTGTgaggggaacaatacacagaga
SCN8A_1865	gtgcctataaaggagtgaggCTTCAGCTTCCCGATATCCGACGGTAGTGTctttccagcatctgag
SCN8A_1864	cagcatggtataaccagcccaCTTCAGCTTCCCGATATCCGACGGTAGTGTtctaataactgactctgtt
SCN8A_1866	cctgttcattgggtcatcattCTTCAGCTTCCCGATATCCGACGGTAGTGTctaggagctgattctctt
SCN8A_1867	cagggtgaagaaggagccgaCTTCAGCTTCCCGATATCCGACGGTAGTGTtttcttctagataggg
SCN8A_1869	agcccagcttttcatgcaCTTCAGCTTCCCGATATCCGACGGTAGTGTgcaatcactaccttttct
SCN8A_1868	gtaagtgcattgtcaggctgaCTTCAGCTTCCCGATATCCGACGGTAGTGTtctgttttcttctcct
SCN8A_1870	acactcaaagcaagcagatgCTTCAGCTTCCCGATATCCGACGGTAGTGTtatcttctcctccctcct
SCN8A_1871	gtctccacatcattgtcacaCTTCAGCTTCCCGATATCCGACGGTAGTGTgtccagccaatggtgaa

SCN8A_1872	atgagattcccaggagaggaatCTTCAGCTTCCCGATATCCGACGGTAGTGTgctgtgaggcactact
SCN8A_1873	caaagggattcgtaccctgcCTTCAGCTTCCCGATATCCGACGGTAGGTataacttctctattctct
SCN8A_1874	cgctttgatcagacgcaagCTTCAGCTTCCCGATATCCGACGGTAGTGTgcttcacatagcaaaattg
SCN8A_1875	gttgggatggcctgctgctCTTCAGCTTCCCGATATCCGACGGTAGTGTgttcatctctccatttt
SCN8A_1876	gctgaggtgtgatttgaaacCTTCAGCTTCCCGATATCCGACGGTAGTGTtagcttcaaaagaagaagat
SCN8A_1877	cctctgagtggaggatgacttgaCTTCAGCTTCCCGATATCCGACGGTAGTGTgttgggaaccctcagt
SCN8A_1878	cactttctctgtggctactactCTTCAGCTTCCCGATATCCGACGGTAGTGTggagaggatgctccaag
SCN8A_1879	ccttttgccttcaccaagcCTTCAGCTTCCCGATATCCGACGGTAGTGTgagactgttaagctggcag
SCN8A_1880	atccccctcaccattggcaCTTCAGCTTCCCGATATCCGACGGTAGTGTctcgtaaacactttggaaag
SCN8A_1881	gcttcatctgcaaaaagacaactCTTCAGCTTCCCGATATCCGACGGTAGTGTgctggtctgtgcatcc
SCN8A_1882	gccttgcaaatgtccccggCTTCAGCTTCCCGATATCCGACGGTAGTGTtctcctttcaggttagtt
SCN8A_1883	gaggagaacaaaaattcagtattaCTTCAGCTTCCCGATATCCGACGGTAGTGTtccatctacagctccc
SCN8A_1884	acacttgattctctgacctCTTCAGCTTCCCGATATCCGACGGTAGTGTgacgtttggtatagatctt
FOXG1_1885	ccacggccaccacaacagcaCTTCAGCTTCCCGATATCCGACGGTAGTGTccgtttcccccgagcact
FOXG1_1886	gtcgttctggaccgctcggcCTTCAGCTTCCCGATATCCGACGGTAGTGTgctggtgctgctgctgcg
FOXG1_1887	cgccgccaccgccaccgcCTTCAGCTTCCCGATATCCGACGGTAGTGTccccgcaaccgcccggccg
FOXG1_1888	cgggagcagcagctgctggggcCTTCAGCTTCCCGATATCCGACGGTAGTGTgcttctctctctctg
FOXG1_1889	agaagccgctttagctacaacCTTCAGCTTCCCGATATCCGACGGTAGTGTggcccccctggggccg
FOXG1_1890	gtacttccgttcttctctcCTTCAGCTTCCCGATATCCGACGGTAGTGTtcttctcctcggtagt
FOXG1_1892	aagcacttcttgagggacagattCTTCAGCTTCCCGATATCCGACGGTAGTGTccccgaggtggtgga
FOXG1_1891	actactggatgctggaccctCTTCAGCTTCCCGATATCCGACGGTAGTGTtctcatgaaagaacttc
FOXG1_1893	gtccctctactggcccctctCTTCAGCTTCCCGATATCCGACGGTAGTGTgctgacgactgttctatc
FOXG1_1894	gctgctcctgcaaggtgagcCTTCAGCTTCCCGATATCCGACGGTAGTGTgagcaaacggagctgta
FOXG1_1895	cggctgtcaacggggagatCTTCAGCTTCCCGATATCCGACGGTAGTGTgacagcactttagttcaaa
FOXG1_1896	cgggtggagaaggagtggttCTTCAGCTTCCCGATATCCGACGGTAGTGTgaggagtaggtcccagag
FOXG1_1898	cagggcaccgacaggccgagggcCTTCAGCTTCCCGATATCCGACGGTAGTGTccccctgggctcat
FOXG1_1897	gttactttttccccacgtcccCTTCAGCTTCCCGATATCCGACGGTAGTGTcccctacgccacgcac
FOXG1_1899	gactgtctgattattcacacatCTTCAGCTTCCCGATATCCGACGGTAGTGTtctcagagcagcagc
FOXG1_1900	ccgtctgtaaaacttgcaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTtatcatttcaaatg
UBE3A_1917	agagattgttgaagccatcaCTTCAGCTTCCCGATATCCGACGGTAGTGTtctaagtatttccatg
UBE3A_1916	cacattaaagcaagatgagaCTTCAGCTTCCCGATATCCGACGGTAGTGTtttctctctttttttg
UBE3A_1918	agagcttttctgttcatctgtCTTCAGCTTCCCGATATCCGACGGTAGTGTcggtaggtatacagtcac
UBE3A_1919	gcagtttacaacgggcacagCTTCAGCTTCCCGATATCCGACGGTAGTGTatgcaaatataagcttatg
UBE3A_1920	gcttggaaatctagattctgcaCTTCAGCTTCCCGATATCCGACGGTAGTGTgataaaggctgaaagcaa
UBE3A_1921	gaagaaactcagaatagcaggtCTTCAGCTTCCCGATATCCGACGGTAGTGTgacccggtaagaagaagc
UBE3A_1922	gccttgaactgttttctactCTTCAGCTTCCCGATATCCGACGGTAGTGTcagatagactttttgc
UBE3A_1923	gaggttttcatatggtagcaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTactgtgtttgtttgca
UBE3A_1924	gatctgtctgatatctggaaCTTCAGCTTCCCGATATCCGACGGTAGTGTacatgcttggaaagtgtt
UBE3A_1925	ggtaaccaatgatgtatgactCTTCAGCTTCCCGATATCCGACGGTAGTGTtggtagctcaaatctac
UBE3A_1926	gaccagctactgccaatcaCTTCAGCTTCCCGATATCCGACGGTAGTGTtataaaaaatgacaaagaa
UBE3A_1927	gtacatttccatggtgtctCTTCAGCTTCCCGATATCCGACGGTAGTGTgagtagttcacatacga
UBE3A_1928	catataaaacatttaaaataCTTCAGCTTCCCGATATCCGACGGTAGTGTattaacaaaacaattttg
UBE3A_1929	ccttcaaattccacatacaactCTTCAGCTTCCCGATATCCGACGGTAGTGTctaactcaaaagatgata
UBE3A_1930	aggagttgatgaggaggctCTTCAGCTTCCCGATATCCGACGGTAGTGTttgttttttctgatact
UBE3A_1931	cactgtacatgcaattctattCTTCAGCTTCCCGATATCCGACGGTAGTGTttaaactagcagcccaa
UBE3A_1932	acgaagaatcactgttctctacaCTTCAGCTTCCCGATATCCGACGGTAGTGTaaagattatactttt
UBE3A_1933	gtttccaggggtccactcgaCTTCAGCTTCCCGATATCCGACGGTAGTGTgttctctgtttctacttt
UBE3A_1934	gaacttggtgttaaaacctggCTTCAGCTTCCCGATATCCGACGGTAGTGTgtaggacacaaatcacia
UBE3A_1935	actagattcgactgttaattcaCTTCAGCTTCCCGATATCCGACGGTAGTGTtggactcaggagtggg
UBE3A_1936	aatgatgatgaccattgttgcCTTCAGCTTCCCGATATCCGACGGTAGTGTgccaaggaactgat
UBE3A_1937	gatattcaggactgtggagattCTTCAGCTTCCCGATATCCGACGGTAGTGTgctgaaatgtctccatc
UBE3A_1938	ggctttgccatttttgcacCTTCAGCTTCCCGATATCCGACGGTAGTGTgtatattgtcacctaacg
UBE3A_1939	cagggcctaattttgcaaatCTTCAGCTTCCCGATATCCGACGGTAGTGTtacgtcaagtacattcc
UBE3A_1940	gtgtctgtgattatgctcCTTCAGCTTCCCGATATCCGACGGTAGTGTaagatgaagatgaaaagga
UBE3A_1941	agcactagaaaaactcttccaCTTCAGCTTCCCGATATCCGACGGTAGTGTtccatagcagcagaac
UBE3A_1942	ggtacagagctccgaaagCTTCAGCTTCCCGATATCCGACGGTAGTGTctctgattttctagatgta
UBE3A_1943	cattctaggctcaatatcatthaCTTCAGCTTCCCGATATCCGACGGTAGTGTgaatttcatatacttc
UBE3A_1944	cctttctggaggatgaggCTTCAGCTTCCCGATATCCGACGGTAGTGTgcaacaattctcaattgaaa
UBE3A_1945	gcaagctcagcttactctgagCTTCAGCTTCCCGATATCCGACGGTAGTGTcctgacgaatgagtttg
UBE3A_1946	gcttctgtaccaaacatcaCTTCAGCTTCCCGATATCCGACGGTAGTGTgactgctgattattatcc
UBE3A_1947	agcagctgcaagcatctaaCTTCAGCTTCCCGATATCCGACGGTAGTGTcttctcatcttatacacag
UBE3A_1949	gccctagactgttaattacCTTCAGCTTCCCGATATCCGACGGTAGTGTgaaatggaatattttg
UBE3A_1948	gtagcaaaatattccatatCTTCAGCTTCCCGATATCCGACGGTAGTGTgacgtaattaaagcagctt
UBE3A_1951	ccaccattgaaattgtagctcCTTCAGCTTCCCGATATCCGACGGTAGTGTaaacatttctcagaag
UBE3A_1950	acttctagagaaattgttagttaCTTCAGCTTCCCGATATCCGACGGTAGTGTgacaaattcaaatggtg

UBE3A_1953	cagcctttaaaggctgtcattCTTCAGCTTCCCGATATCCGACGGTAGTGTgcctacgctcagatcaag
UBE3A_1952	gctaccttgatctgagcgtactTCAGCTTCCCGATATCCGACGGTAGTGTtacaatgacagcctttaa
APBA2_1954	gtcctgtccctcacagccaggCTTCAGCTTCCCGATATCCGACGGTAGTGTctctgtcctccaatgtt
APBA2_1955	caccctatggtccaacatgcCTTCAGCTTCCCGATATCCGACGGTAGTGTctctgttctctggcgcg
APBA2_1956	cctctgaggaggagactatgaCTTCAGCTTCCCGATATCCGACGGTAGTGTcccttggaggcctatgtg
APBA2_1957	gtagtgcagctggagctccatcCTTCAGCTTCCCGATATCCGACGGTAGTGTtcccgttgcagtcca
APBA2_1958	ggagtggagcactcggcggCTTCAGCTTCCCGATATCCGACGGTAGTGTgggcatcacactacatcc
APBA2_1959	ccaccgctctggcactcatcCTTCAGCTTCCCGATATCCGACGGTAGTGTtcttctggctatgggcc
APBA2_1960	cgaggaggccaacgggaacaccCTTCAGCTTCCCGATATCCGACGGTAGTGTaaggcagccaggactacc
APBA2_1961	ggtagtagtctggtagccctctCTTCAGCTTCCCGATATCCGACGGTAGTGTggctcatgctcagactc
APBA2_1962	catcaaggccagctgcagcccCTTCAGCTTCCCGATATCCGACGGTAGTGTgaggacattgaccagatcg
APBA2_1963	caggcctctacagagtctcagCTTCAGCTTCCCGATATCCGACGGTAGTGTtcttggggtctctgtctt
APBA2_1964	agggacctcagggtacagccttCTTCAGCTTCCCGATATCCGACGGTAGTGTaagcaccggagagacc
APBA2_1966	aacggggaagttaaagatcgtgCTTCAGCTTCCCGATATCCGACGGTAGTGTgatgagtgtccagccca
APBA2_1965	gttctgggctggaacactcatcCTTCAGCTTCCCGATATCCGACGGTAGTGTcagcatcttaactccc
APBA2_1968	gtagtagcccaacaggtgaCTTCAGCTTCCCGATATCCGACGGTAGTGTtttgatgaaaatgcaactg
APBA2_1967	gcagttgcatctatcaaaatCTTCAGCTTCCCGATATCCGACGGTAGTGTaccttggggctactca
APBA2_1969	ctgctatcagaacggaaccctcCTTCAGCTTCCCGATATCCGACGGTAGTGTtcttggcaggcactt
APBA2_1970	ggtaggacccaggtaatggcaCTTCAGCTTCCCGATATCCGACGGTAGTGTctagtcccccaagtg
APBA2_1972	gagaaggaaggtgctgaggttCTTCAGCTTCCCGATATCCGACGGTAGTGTccagggaaacacaagca
APBA2_1971	gttttccgtggcttctcctCTTCAGCTTCCCGATATCCGACGGTAGTGTcacctctctctctctgtg
APBA2_1973	gcgttaagacagttgtcaaCTTCAGCTTCCCGATATCCGACGGTAGTGTtgggttttggacttaac
APBA2_1974	atcctctgggtggaatgaagaCTTCAGCTTCCCGATATCCGACGGTAGTGTgagcagagagagaagct
APBA2_1975	gtcagcctctcaggactgcacCTTCAGCTTCCCGATATCCGACGGTAGTGTtagtgttccctgacgtgg
APBA2_1976	ggccatcagcactacaatgttCTTCAGCTTCCCGATATCCGACGGTAGTGTctggcaaggcttactta
APBA2_1977	gctgttactgatgtttccagtggCTTCAGCTTCCCGATATCCGACGGTAGTGTctgcatgtgttcgagt
APBA2_1978	gcgacatcatcaaccaggagaCTTCAGCTTCCCGATATCCGACGGTAGTGTtagctggcctccctct
APBA2_1979	cttctggctcaagtctcggggCTTCAGCTTCCCGATATCCGACGGTAGTGTgcagaagctggcaaatg
APBA2_1980	gctccatctgcccaggtgactCTTCAGCTTCCCGATATCCGACGGTAGTGTccttgggctcttggcag
APBA2_1981	gatctccctctgtgcttctCTTCAGCTTCCCGATATCCGACGGTAGTGTttgatggacatgatggt
APBA2_1982	cctgcctcactcatccccactCTTCAGCTTCCCGATATCCGACGGTAGTGTggaagctgagatcggg
APBA2_1983	gtgcagaatggaattgtgagttccCTTCAGCTTCCCGATATCCGACGGTAGTGTactcctgtccccgtgc
APBA2_1984	gaagcccagctggtactgaggtcCTTCAGCTTCCCGATATCCGACGGTAGTGTccaggtctaccaggc
APBA2_1985	gatagccaagctctgtccaactCTTCAGCTTCCCGATATCCGACGGTAGTGTgacctggcatgtctg
APBA2_1986	gctctgcccgtgatctcgatgaCTTCAGCTTCCCGATATCCGACGGTAGTGTggaggctatggagggc
APBA2_1987	acatctaggccacccagcctCTTCAGCTTCCCGATATCCGACGGTAGTGTgctttcacctgattgtgg
APBA2_1988	cagcgggctcctgaccctgaCTTCAGCTTCCCGATATCCGACGGTAGTGTggagccagcctcctgtg
CHRNA7_1989	cccgggacatcccggcgCTTCAGCTTCCCGATATCCGACGGTAGTGTggagcgcctcctcctgctc
CHRNA7_1990	ccacggaggagtggaggcggggaCTTCAGCTTCCCGATATCCGACGGTAGTGTgccccaccggtgcag
CHRNA7_1991	gtctacttccctgagcctcctCTTCAGCTTCCCGATATCCGACGGTAGTGTcccttcccgggtctt
CHRNA7_1992	gagtggtgagcattggccacCTTCAGCTTCCCGATATCCGACGGTAGTGTcaccgctggcggccc
CHRNA7_1994	ggttacaagaagaagaatgagacCTTCAGCTTCCCGATATCCGACGGTAGTGTaagatcttgagccca
CHRNA7_1993	gctgcaagatcttgacccaCTTCAGCTTCCCGATATCCGACGGTAGTGTtcttcttttgaaccata
CHRNA7_1995	acatttctctataacagtaagCTTCAGCTTCCCGATATCCGACGGTAGTGTggaagtgaagtctgc
CHRNA7_1996	aatctggccatctgggaaacCTTCAGCTTCCCGATATCCGACGGTAGTGTcatagataacatccagca
CHRNA7_1998	aacaggaaaaggactgcatgaCTTCAGCTTCCCGATATCCGACGGTAGTGTgcttctcatttctaactg
CHRNA7_1997	cagttagaaaactgaagcgagttCTTCAGCTTCCCGATATCCGACGGTAGTGTgagctctttctgctt
CHRNA7_1999	atctgcagatgcaggaggcagCTTCAGCTTCCCGATATCCGACGGTAGTGTgtcttctgtttccatcacc
CHRNA7_2000	caaggaccagcctcctaagaCTTCAGCTTCCCGATATCCGACGGTAGTGTcccaaacctttaaagcttg
CHRNA7_2001	ccttcacagtaccatgctcCTTCAGCTTCCCGATATCCGACGGTAGTGTcacattgaaataaacagggt
CHRNA7_2002	ggctcttgcagcactatagaaCTTCAGCTTCCCGATATCCGACGGTAGTGTccggaatctgcaggag
CHRNA7_2003	actggagacctctgctgagatCTTCAGCTTCCCGATATCCGACGGTAGTGTctatggcctcaactgct
CHRNA7_2004	cggtagcattgataggttaaggCTTCAGCTTCCCGATATCCGACGGTAGTGTagaattgagccttctgt
CHRNA7_2005	ccacgagcagcatgaagacCTTCAGCTTCCCGATATCCGACGGTAGTGTattcttctagttcatctg
CHRNA7_2006	caagtggtacgttctcccacCTTCAGCTTCCCGATATCCGACGGTAGTGTtccacctgcatctgttc
CHRNA7_2007	gtcggggtctggtggtggtCTTCAGCTTCCCGATATCCGACGGTAGTGTaagcatttctttagaat
CHRNA7_2009	gcctctcattgcaggaaccacCTTCAGCTTCCCGATATCCGACGGTAGTGTcgcggaagccagatgac
CHRNA7_2008	cctgccaagtggagatgagCTTCAGCTTCCCGATATCCGACGGTAGTGTctcttaactgtctgttgt
CHRNA7_2010	gatgagcacctcctgcaggCTTCAGCTTCCCGATATCCGACGGTAGTGTgcccgtggcgccgcccgc
CHRNA7_2011	gctgggggagcaggccatgctCTTCAGCTTCCCGATATCCGACGGTAGTGTtctgctgacagccctcg
CHRNA7_2012	atctgaccatcgcatcctgatCTTCAGCTTCCCGATATCCGACGGTAGTGTtaggagctccgctacat
CHRNA7_2013	gcacagcggtcaccacacCTTCAGCTTCCCGATATCCGACGGTAGTGTtctgtgattttccatgt
CHD2_2015	gtgttcttgaagctctgCTTCAGCTTCCCGATATCCGACGGTAGTGTtagacaaaaggagaaggt
CHD2_2014	gggagaacctcagcttacaCTTCAGCTTCCCGATATCCGACGGTAGTGTtcccccttaataatgaaga
CHD2_2016	gcagctgcaatctctgagCTTCAGCTTCCCGATATCCGACGGTAGTGTatttttaactctctctct

CHD2_2017	gttcgactcgtgcatgtcCTTCAGCTTCCCGATATCCGACGGTAGTGTctttccacatcagtatcc
CHD2_2018	gttgtcatgaaaactcattagtaCTTCAGCTTCCCGATATCCGACGGTAGTGTgccagctcccagaa
CHD2_2020	attaagagaccaccgattaatcCTTCAGCTTCCCGATATCCGACGGTAGTGTttaaagatgatccctt
CHD2_2019	gggcatgcatttaactccctaCTTCAGCTTCCCGATATCCGACGGTAGTGTgctgtgctcttaattt
CHD2_2022	gtgtgtgaggggggaaaaatCTTCAGCTTCCCGATATCCGACGGTAGTGTgctcagaagtctgacaaa
CHD2_2021	acttgtagcatttctaggactCTTCAGCTTCCCGATATCCGACGGTAGTGTattttccccctcacac
CHD2_2023	gggtgactgttgccttaagatCTTCAGCTTCCCGATATCCGACGGTAGTGTactttgtttgctttgat
CHD2_2024	ggggacaggtctctggcttCTTCAGCTTCCCGATATCCGACGGTAGTGTatctaaaacgcagaatca
CHD2_2025	aaggcagactcgtcgaagagCTTCAGCTTCCCGATATCCGACGGTAGTGTgactttgtttctctctc
CHD2_2026	gggagcttcgtcatcatcaCTTCAGCTTCCCGATATCCGACGGTAGTGTtaaagtgcaaacccgg
CHD2_2027	gagttgatgaacagcaagataatCTTCAGCTTCCCGATATCCGACGGTAGTGTggttatgtgtgagctt
CHD2_2028	gagtcagctcaaaagtcacatCTTCAGCTTCCCGATATCCGACGGTAGTGTaatgtaattgtctccca
CHD2_2029	caagtgaagggttgcttCTTCAGCTTCCCGATATCCGACGGTAGTGTctctcttcaagtgactta
CHD2_2030	gaggactgatttcaccttcaCTTCAGCTTCCCGATATCCGACGGTAGTGTaccattgttgatttct
CHD2_2031	ggagatcacagctatctagaatCTTCAGCTTCCCGATATCCGACGGTAGTGTgaaggccttaaaaaac
CHD2_2033	ggcagacagacagaaaagtaCTTCAGCTTCCCGATATCCGACGGTAGTGTgaagtgaattaccatgta
CHD2_2032	acatgtaactcactcagccaCTTCAGCTTCCCGATATCCGACGGTAGTGTtttctgtctgtctgcca
CHD2_2035	aataaaaaaagacagaaaagtCTTCAGCTTCCCGATATCCGACGGTAGTGTgcaaaaaaataatct
CHD2_2034	attattttgtttccacatgCTTCAGCTTCCCGATATCCGACGGTAGTGTctgtcttattttatttg
CHD2_2036	aagccctcattggaaaagaaatCTTCAGCTTCCCGATATCCGACGGTAGTGTtgacagtgtaactctat
CHD2_2037	atctcccagctacactctgaCTTCAGCTTCCCGATATCCGACGGTAGTGTatcttctccctgaaaaaa
CHD2_2038	gctagctcattctggtgcaaCTTCAGCTTCCCGATATCCGACGGTAGTGTtctcagactggcctttg
CHD2_2039	acctctagctgataatctcgtCTTCAGCTTCCCGATATCCGACGGTAGTGTgatacaataagggtgtaa
CHD2_2040	caccagctgtatggccccttCTTCAGCTTCCCGATATCCGACGGTAGTGTggtgaactaatgattttt
CHD2_2041	ggtggaacaggtaggagaggCTTCAGCTTCCCGATATCCGACGGTAGTGTtatttctgctcatcaggtca
CHD2_2042	gatcatcagtaaaattgtggttCTTCAGCTTCCCGATATCCGACGGTAGTGTgcaccagagattaact
CHD2_2044	gcgtgaactcaatctttgCTTCAGCTTCCCGATATCCGACGGTAGTGTatttcaaatgctccac
CHD2_2043	gtaataatctaaaaggctaaCTTCAGCTTCCCGATATCCGACGGTAGTGTagaattatgtcttaat
CHD2_2046	gagtcactcttcaaccagatCTTCAGCTTCCCGATATCCGACGGTAGTGTggagcttcttctccgg
CHD2_2045	ccataggctcctgattacgggCTTCAGCTTCCCGATATCCGACGGTAGTGTcgtctgtttttttac
CHD2_2047	gggaaagcaaaagctcaaatCTTCAGCTTCCCGATATCCGACGGTAGTGTctctgtcactttattat
CHD2_2048	cggagagcaaaaaagatgtCTTCAGCTTCCCGATATCCGACGGTAGTGTaatgtggctaaataact
CHD2_2049	agaaggaaaagcttagcactCTTCAGCTTCCCGATATCCGACGGTAGTGTaacccctcaggcctaac
CHD2_2050	aaatgttgcaaccactgctaCTTCAGCTTCCCGATATCCGACGGTAGTGTgtttttttgtatctagtag
CHD2_2051	cagatgtgctccttcttCTTCAGCTTCCCGATATCCGACGGTAGTGTgagaaaagtaattatgaggaa
CHD2_2052	acttcgaaaaaggggaaatCTTCAGCTTCCCGATATCCGACGGTAGTGTaaatatgatttttagagat
CHD2_2053	atcaactcccactgctccttCTTCAGCTTCCCGATATCCGACGGTAGTGTacttacctggaaggata
CHD2_2054	gctttgctgttaaagtaggaaCTTCAGCTTCCCGATATCCGACGGTAGTGTggatctcctgctgaata
CHD2_2056	aaataaaccaagaaaaactgtaaCTTCAGCTTCCCGATATCCGACGGTAGTGTctgtatgcagagccca
CHD2_2055	gggctctgcatcaaggggaaCTTCAGCTTCCCGATATCCGACGGTAGTGTttttctgtgtttttt
CHD2_2057	gaatgacttgaggcacaagCTTCAGCTTCCCGATATCCGACGGTAGTGTcactgcataaagtagtatat
CHD2_2058	gggggtccagtcagagcaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTtaacatcctgaaagggc
CHD2_2060	ccgtctatgatctcctctcCTTCAGCTTCCCGATATCCGACGGTAGTGTttgattctgctcactc
CHD2_2059	cagcgcagtgacaccactggCTTCAGCTTCCCGATATCCGACGGTAGTGTggttcaggcataagcata
CHD2_2062	gaagtaaatgtagtttagaaCTTCAGCTTCCCGATATCCGACGGTAGTGTaatttccctctctcat
CHD2_2061	caatgaggagagggaatttCTTCAGCTTCCCGATATCCGACGGTAGTGTtcaaaactacatttact
CHD2_2064	gaacaaaagcacaacgaataCTTCAGCTTCCCGATATCCGACGGTAGTGTctgagaactctcccaca
CHD2_2063	gtgggagagagttctcagcatCTTCAGCTTCCCGATATCCGACGGTAGTGTctgtgtggctttgtct
CHD2_2065	agagcggcagaaggagctagCTTCAGCTTCCCGATATCCGACGGTAGTGTcagacaatgggtgtctgt
CHD2_2066	cctttgtccttggaaatgatCTTCAGCTTCCCGATATCCGACGGTAGTGTgattcacaacataagaaa
CHD2_2067	agaagccaaagcgcagagggCTTCAGCTTCCCGATATCCGACGGTAGTGTttgtacagtgtgactttgc
CHD2_2068	cagagtcttcttctcactctcCTTCAGCTTCCCGATATCCGACGGTAGTGTgactttcaaaccaagctc
CHD2_2070	gttgatctagcatatcctgtCTTCAGCTTCCCGATATCCGACGGTAGTGTaagaggaagaaaggact
CHD2_2069	gtcccttatcttctcttttCTTCAGCTTCCCGATATCCGACGGTAGTGTgatgtgtagcatcaaca
CHD2_2071	caatgcaggaatatgaagagcaCTTCAGCTTCCCGATATCCGACGGTAGTGTggtcctaaagtgtcccca
CHD2_2072	caatgcaggaatacgaagagcaCTTCAGCTTCCCGATATCCGACGGTAGTGTggtcctaaagtgtcccca
CHD2_2073	gatcagttcaccaggcctCTTCAGCTTCCCGATATCCGACGGTAGTGTcttttagcaacagaaatccag
CHD2_2074	ccaacatgaagaggagttgaCTTCAGCTTCCCGATATCCGACGGTAGTGTttttctgtggaactctgc
CHD2_2075	caattaacctgaactcggCTTCAGCTTCCCGATATCCGACGGTAGTGTcaaatctatttctcaggt
CHD2_2076	ggctatggaaactggagattCTTCAGCTTCCCGATATCCGACGGTAGTGTcctcttctaatgtctctcg
CHD2_2077	cgagaatcatcttccccctCTTCAGCTTCCCGATATCCGACGGTAGTGTattacacaacaaatcttct
CHD2_2078	gacaggtgggaagaggtgaCTTCAGCTTCCCGATATCCGACGGTAGTGTgcttctcttcttctgt
CHD2_2079	cagccccttcttctccagacCTTCAGCTTCCCGATATCCGACGGTAGTGTcatgagaaggtgacattct
CHD2_2080	catcagaagaggagaagtgaCTTCAGCTTCCCGATATCCGACGGTAGTGTatcatcatttctctctt
CHD2_2081	gtcaattcatgctctctCTTCAGCTTCCCGATATCCGACGGTAGTGTttcagatgattttattcca

CHD2_2083	gttctcctgttctcttctcttCCTCAGCTTCCCGATATCCGACGGTAGTGTggcgaattgcaaggct
CHD2_2082	aaggggacaaggaagaagaCCTCAGCTTCCCGATATCCGACGGTAGTGTtagcaaaattcatagccc
CHD2_2084	atgatctggaccaggagacatCCTCAGCTTCCCGATATCCGACGGTAGTGTactccttgaactctttt
CHD2_2085	atcctcatctctcaatgggCCTCAGCTTCCCGATATCCGACGGTAGTGTattgcttagctcaactgaa
CHD2_2086	acgtgcaagaacagctggaaCCTCAGCTTCCCGATATCCGACGGTAGTGTaagcaaaagacaagactta
CHD2_2087	agccccctgtcaggtttgtcgCCTCAGCTTCCCGATATCCGACGGTAGTGTgaggcgaagtggttacct
CHD2_2088	gcacaactcatctattggcaataCCTCAGCTTCCCGATATCCGACGGTAGTGTgacatcaaaactctgga
CHD2_2089	cataagttatacaagatggctcaCCTCAGCTTCCCGATATCCGACGGTAGTGTcttggccatcatgaaga
CHD2_2090	gttttcgagcatcaaattctgCCTCAGCTTCCCGATATCCGACGGTAGTGTccatggaaaaacaaaatt
CHD2_2091	ccttcaccctcagaagcctcaCCTCAGCTTCCCGATATCCGACGGTAGTGTcttggttccttttact
CHD2_2092	gtgtgaggtatgggactgagaCCTCAGCTTCCCGATATCCGACGGTAGTGTaaaactccacttaatgacc
CHD2_2093	ggctagactctgtgctttatCCTCAGCTTCCCGATATCCGACGGTAGTGTaccgaagagataactaciaa
CHD2_2094	gaccaccattatggggaccgCCTCAGCTTCCCGATATCCGACGGTAGTGTcagatcattcttcttttcc
CHD2_2095	gtaccagtgtctcactactgatCCTCAGCTTCCCGATATCCGACGGTAGTGTtctgtgtcccgggtgt
CHD2_2096	gtttctaggagaaagtgcgCCTCAGCTTCCCGATATCCGACGGTAGTGTccaacaacatgtccagaa
CHD2_2098	cggaaatcctgtggtggaattCCTCAGCTTCCCGATATCCGACGGTAGTGTgagactgcaggggtcaa
CHD2_2097	catggccaggaccctcagacCCTCAGCTTCCCGATATCCGACGGTAGTGTactaatcctgtcactctca
CHD2_2100	atccaggggtgactggaatCCTCAGCTTCCCGATATCCGACGGTAGTGTtagaccaaaaatcacctgtg
CHD2_2099	aaacaaccagattataactggaatCCTCAGCTTCCCGATATCCGACGGTAGTGTaaacagcctctacccc
PNPO_2132	agtcaactgtgtggtcgagCCTCAGCTTCCCGATATCCGACGGTAGTGTtggttcgaactcaaaagg
PNPO_2133	aggtagcctggcactcggcaggCCTCAGCTTCCCGATATCCGACGGTAGTGTctccggggaccctttt
PNPO_2134	cctgacataggggaagccaaCCTCAGCTTCCCGATATCCGACGGTAGTGTtccatagtagcactatata
PNPO_2135	cactgaacagcctctcaaacCCTCAGCTTCCCGATATCCGACGGTAGTGTaattggcatccagagtag
PNPO_2137	agcaaaagagcagagcactgtCCTCAGCTTCCCGATATCCGACGGTAGTGTgaaagattactagctctttt
PNPO_2136	aaaagagctagtaattcttccaCCTCAGCTTCCCGATATCCGACGGTAGTGTgtctgtcttttct
PNPO_2139	agtaaaagagaatccacagccaCCTCAGCTTCCCGATATCCGACGGTAGTGTctagacgtagccataaac
PNPO_2138	gtttatggctacgtctagcgtCCTCAGCTTCCCGATATCCGACGGTAGTGTgtctgtgattctcttttact
PNPO_2140	agccaccagagttctgtatCCTCAGCTTCCCGATATCCGACGGTAGTGTatttaagcattcacccag
PNPO_2141	gggagtggaagtagcactcagCCTCAGCTTCCCGATATCCGACGGTAGTGTggacagctctggggata
PNPO_2143	cagggggaagagtagaagaaggCCTCAGCTTCCCGATATCCGACGGTAGTGTgtaaacacaggggctg
PNPO_2142	caggccctgtgttactttaaCCTCAGCTTCCCGATATCCGACGGTAGTGTttctaactcttccccctg
PNPO_2144	gcctaccacaggagattccccCCTCAGCTTCCCGATATCCGACGGTAGTGTtagaaaactccacagagc
PNPO_2145	ggttggttgacctgccagaacCCTCAGCTTCCCGATATCCGACGGTAGTGTccagcaggtcccagagt
PNPO_2146	cccttatcttcagactcttcaCCTCAGCTTCCCGATATCCGACGGTAGTGTtctatgagagactgtcac
ZNF532_2238	ccatgaaagccacatgaagcagCCTCAGCTTCCCGATATCCGACGGTAGTGTaaacagaacatctgtctca
ZNF532_2239	gtccagactcaatagctgttttagCCTCAGCTTCCCGATATCCGACGGTAGTGTgccctcggaagagtca
ZNF532_2240	gagcaaaagtccttgaaggagCCTCAGCTTCCCGATATCCGACGGTAGTGTcgttatctgcaagaatggt
ZNF532_2241	gtaactgtcaagggaggatctgCCTCAGCTTCCCGATATCCGACGGTAGTGTctcaactcttctctgt
ZNF532_2242	aggcactcgaggggaaactCCTCAGCTTCCCGATATCCGACGGTAGTGTcagtgtagaagttttagt
ZNF532_2243	gcttatctgtatctgtctgCCTCAGCTTCCCGATATCCGACGGTAGTGTctttaaagggttcataaaca
ZNF532_2244	atgacaccagcctcccagcCCTCAGCTTCCCGATATCCGACGGTAGTGTcagaagcagttctataaac
ZNF532_2245	cggagctcagcttccatctcaCCTCAGCTTCCCGATATCCGACGGTAGTGTggttcttgcaggagtct
ZNF532_2246	atctcatcgacgggacaaaaaCCTCAGCTTCCCGATATCCGACGGTAGTGTctctcagcgtcaaaaag
ZNF532_2247	gcggctctcgactgtcatttacCCTCAGCTTCCCGATATCCGACGGTAGTGTgacctcgggagagga
ZNF532_2248	cagggtattgccaagaagtgaCCTCAGCTTCCCGATATCCGACGGTAGTGTcccagaagcatctcaagtg
ZNF532_2249	gttctctgatttcccagaagaCCTCAGCTTCCCGATATCCGACGGTAGTGTggagaggaaagacggc
ZNF532_2250	aagcctgtggctactgtcttCCTCAGCTTCCCGATATCCGACGGTAGTGTctgtgacatccttctgtc
ZNF532_2251	acctgttgggggtgagctctCCTCAGCTTCCCGATATCCGACGGTAGTGTggacagaggcagagatat
ZNF532_2252	caaaactgtccaagaactgtCCTCAGCTTCCCGATATCCGACGGTAGTGTaaacaaccacaggtgaaag
ZNF532_2253	atgccgcaccacagactgtCCTCAGCTTCCCGATATCCGACGGTAGTGTcctgctttattgttctga
ZNF532_2254	caacaaggtgctgagcagtgCCTCAGCTTCCCGATATCCGACGGTAGTGTccaagtgtcaacaaac
ZNF532_2255	aagcttccaccacagaactctgCCTCAGCTTCCCGATATCCGACGGTAGTGTagtcaaaaggatcccca
ZNF532_2256	atgacgctcttccatgCCTCAGCTTCCCGATATCCGACGGTAGTGTgggtacaaggtcttggagt
ZNF532_2257	gtaaaaaacagaggtcttttacCCTCAGCTTCCCGATATCCGACGGTAGTGTggaagtattgttgacg
ZNF532_2258	ccttcaagcactccatcacCCTCAGCTTCCCGATATCCGACGGTAGTGTgcagatcaaatgatagtttc
ZNF532_2259	gccgatatgactgtcccagtaCCTCAGCTTCCCGATATCCGACGGTAGTGTgaaatgtgtgaccagtga
ZNF532_2260	gtaggcatgagtgcttgataaCCTCAGCTTCCCGATATCCGACGGTAGTGTagtctaaaatggttggagt
ZNF532_2261	catctgcaggtcgtgcaactCCTCAGCTTCCCGATATCCGACGGTAGTGTgtttcccccttggttg
ZNF532_2262	acactcagggcaggttagggCCTCAGCTTCCCGATATCCGACGGTAGTGTcggttgtagtgaacagagt
ZNF532_2263	gtttaaagctgtcccacagcCCTCAGCTTCCCGATATCCGACGGTAGTGTgacctgtgtttatttt
ZNF532_2264	actgtagaagacttcacagtgCCTCAGCTTCCCGATATCCGACGGTAGTGTaaagcagtgaggataaac
ZNF532_2265	gtccagactgttcttttataCCTCAGCTTCCCGATATCCGACGGTAGTGTtctgctcactcttctat
ZNF532_2266	gaaaaacagacacttctggtCCTCAGCTTCCCGATATCCGACGGTAGTGTgctcagccttgattatga
ZNF532_2267	cctgcaactcaaaattcagcaCCTCAGCTTCCCGATATCCGACGGTAGTGTgtgcttcttttagtgtt
ZNF532_2268	gctcaaaaggcaagttatacccCCTCAGCTTCCCGATATCCGACGGTAGTGTggccacttcttggttt

ZNF532_2269	gtcagtaaaagatgaaagctgcCTTCAGCTTCCCGATATCCGACGGTAGTGTtccatctctgtgaaaaa
ZNF532_2270	cccgtgctccttctcacgtCTTCAGCTTCCCGATATCCGACGGTAGTGTcaccaagtgttttaaggt
ZNF532_2272	cacaggctgtgggacgagctCTTCAGCTTCCCGATATCCGACGGTAGTGTagttaatgttactactaa
ZNF532_2271	cctgctcgtaaagtctgtttcCTTCAGCTTCCCGATATCCGACGGTAGTGTgtaacttctctcttc
ZNF532_2273	ccaccaatgaggaggaacagaaCTTCAGCTTCCCGATATCCGACGGTAGTGTtctctgctttcacc
ZNF532_2274	gtcatttcttcaggtcaggCTTCAGCTTCCCGATATCCGACGGTAGTGTcaacaaaaactgaaagga
ZNF532_2275	gttcacaagtgtccgtgtgtCTTCAGCTTCCCGATATCCGACGGTAGTGTgtcatttgccttcttc
ZNF532_2276	aaacattgatttccagcttttcaCTTCAGCTTCCCGATATCCGACGGTAGTGTcgtgtagcagaggcca
ZNF532_2277	ataaccaacaggagaacaaaccCTTCAGCTTCCCGATATCCGACGGTAGTGTggttctctaccagctgc
ZNF532_2278	ccccagccccatttgcctgCTTCAGCTTCCCGATATCCGACGGTAGTGTgtcccatgtgagttatt
ZNF532_2279	gtccacattggaataaaaaagacCTTCAGCTTCCCGATATCCGACGGTAGTGTgcgaaaaactttgaa
PNKP_2333	gttggggcctgaactcttcCTTCAGCTTCCCGATATCCGACGGTAGTGTacagcgtttatgtggagg
PNKP_2334	atcccgttccggctatgggtggCTTCAGCTTCCCGATATCCGACGGTAGTGTgttggggatagcaggggg
PNKP_2335	actgtggggaaactcagagggCTTCAGCTTCCCGATATCCGACGGTAGTGTaacagttagggacagcct
PNKP_2336	ccttcatatccccgtgtcagacCTTCAGCTTCCCGATATCCGACGGTAGTGTccacaacaaccgggtga
PNKP_2337	gcacactggagctactctgtCTTCAGCTTCCCGATATCCGACGGTAGTGTaggggaggagggggctcagg
PNKP_2338	cgagccgaggcctccctgCTTCAGCTTCCCGATATCCGACGGTAGTGTtcatcgacaacacaacca
PNKP_2340	gacccgagagcgcgagcCTTCAGCTTCCCGATATCCGACGGTAGTGTctctgggtctgagctctgt
PNKP_2339	gtctcacaggtgtcacacagcCTTCAGCTTCCCGATATCCGACGGTAGTGTagtctgtgtcagggcc
PNKP_2342	ccccaaatcttataaagttcccCTTCAGCTTCCCGATATCCGACGGTAGTGTccccgctgggtccta
PNKP_2341	gggtggcctaggaccaggcCTTCAGCTTCCCGATATCCGACGGTAGTGTtagtgggaacttataatag
PNKP_2344	gttctgtgcgctgccctgCTTCAGCTTCCCGATATCCGACGGTAGTGTacgctgtccccgcccctc
PNKP_2343	ggggcggggacacgcctgaCTTCAGCTTCCCGATATCCGACGGTAGTGTgggcacgcgacaggaacag
PNKP_2345	gttgagggcaaacatagggttagCTTCAGCTTCCCGATATCCGACGGTAGTGTcggggagcctcccat
PNKP_2346	cccttcgaccgctgaggaCTTCAGCTTCCCGATATCCGACGGTAGTGTgcggaagaagaactctt
PNKP_2347	gtctggaacacagggacaccCTTCAGCTTCCCGATATCCGACGGTAGTGTgacgaacatcagacacagg
PNKP_2348	cgcccggccaactggggcccCTTCAGCTTCCCGATATCCGACGGTAGTGTgcacgccatcatcctcg
PNKP_2349	ggccctccacaatgtccccCTTCAGCTTCCCGATATCCGACGGTAGTGTtcccaccagctcggagg
PNKP_2352	gccccggccccctcttcccCTTCAGCTTCCCGATATCCGACGGTAGTGTgcttggggagctaaag
PNKP_2351	cagcttagctcccccaagcaCTTCAGCTTCCCGATATCCGACGGTAGTGTgaaagggaggggcgg
PNKP_2354	gaggagttaagggcaaggtggagCTTCAGCTTCCCGATATCCGACGGTAGTGTgtgcacgtggcggtcc
PNKP_2353	agatcaccagctggggagcaagCTTCAGCTTCCCGATATCCGACGGTAGTGTacatagctcccagcctc
PNKP_2355	actccaggcctcactcactcctCTTCAGCTTCCCGATATCCGACGGTAGTGTcatgcagacagcgct
PNKP_2357	ctggcccgggtcaccCTTCAGCTTCCCGATATCCGACGGTAGTGTgacaccaggtggctgcttgat
PNKP_2358	ttactcctcctcagcCTTCAGCTTCCCGATATCCGACGGTAGTGTtggatgagcgtcccgtcc
PNKP_2359	gcccgggttactcgcataCTTCAGCTTCCCGATATCCGACGGTAGTGTgagcacgcaacaactgt
PNKP_2360	ggagaactggagaagtgtctagtCTTCAGCTTCCCGATATCCGACGGTAGTGTcgtgggaagagacc
PNKP_2361	cccgtagttaggggttaactcCTTCAGCTTCCCGATATCCGACGGTAGTGTtagtacttggctgggatt
PNKP_2362	gaggcctctctgggggtggcCTTCAGCTTCCCGATATCCGACGGTAGTGTgattttccgctggattt
PNKP_2364	gcaaggcctggggatgggattCTTCAGCTTCCCGATATCCGACGGTAGTGTgaaatcaggaccatca
PNKP_2363	attgggtccctcatttctggggaCTTCAGCTTCCCGATATCCGACGGTAGTGTatcccaggccttctgt
PNKP_2365	ccgagggcaggaagtggggCTTCAGCTTCCCGATATCCGACGGTAGTGTtctggattgtcccgtt
PNKP_2366	gcagggaccctgaccaggctCTTCAGCTTCCCGATATCCGACGGTAGTGTttactctctcccagg
EPN1_2368	ccaagaagccacagagggagaCTTCAGCTTCCCGATATCCGACGGTAGTGTccatgattcatagccacc
EPN1_2367	gtgaggtggctatgaatcatCTTCAGCTTCCCGATATCCGACGGTAGTGTaatcccctctgtggcttc
EPN1_2370	cagcacaagaggacattacccttCTTCAGCTTCCCGATATCCGACGGTAGTGTgcccaggaagaaccg
EPN1_2369	gtgggctgttagttcttctcCTTCAGCTTCCCGATATCCGACGGTAGTGTcattctgtgtgtga
EPN1_2371	cccctctgcttgttccagaggCTTCAGCTTCCCGATATCCGACGGTAGTGTgacgcttggctctctgg
EPN1_2372	cagcatcggggccctgtgCTTCAGCTTCCCGATATCCGACGGTAGTGTactcatctttgacctgagg
EPN1_2373	cggcaggtctggcaggtcaCTTCAGCTTCCCGATATCCGACGGTAGTGTctctgagtgttggacga
EPN1_2374	gttctccttctcggagatcatCTTCAGCTTCCCGATATCCGACGGTAGTGTaggccagatgaagaa
EPN1_2375	gtaggtgaggtcggcaatctctgCTTCAGCTTCCCGATATCCGACGGTAGTGTactgagcccctgacc
EPN1_2376	ggagaacatgtacgctgagcaCTTCAGCTTCCCGATATCCGACGGTAGTGTcgcagcagctctctgg
EPN1_2377	ccggtctgatgaggtactcctCTTCAGCTTCCCGATATCCGACGGTAGTGTaccagctgcttagctt
EPN1_2378	caaggaaaagctggcacagaccCTTCAGCTTCCCGATATCCGACGGTAGTGTaggacttccagtctgg
EPN1_2379	gagcgcgtgcccctcttCTTCAGCTTCCCGATATCCGACGGTAGTGTcctggctgggagagaaagca
EPN1_2380	gctggcctggccatgagcaCTTCAGCTTCCCGATATCCGACGGTAGTGTtctccctggctgggtctc
EPN1_2381	ggagctgcagctctctctcCTTCAGCTTCCCGATATCCGACGGTAGTGTagtggagccagggccacgc
EPN1_2382	catgaaggtcagagacccctCTTCAGCTTCCCGATATCCGACGGTAGTGTgctctgcctctgactct
EPN1_2383	cggctcaaaactaaggccagctCTTCAGCTTCCCGATATCCGACGGTAGTGTgagcctgtggcttcgg
EPN1_2385	gcacgaccagggagatgagaaCTTCAGCTTCCCGATATCCGACGGTAGTGTggccagggaggcagaa
EPN1_2384	gcttctctcctcctggccCTTCAGCTTCCCGATATCCGACGGTAGTGTtctcatgtctcctggt
EPN1_2386	ccccacctcggaccctggCTTCAGCTTCCCGATATCCGACGGTAGTGTctctctctctctctccc
EPN1_2387	gccgtgggacggcagcagcatCTTCAGCTTCCCGATATCCGACGGTAGTGTcaactgaggtctctgc
EPN1_2389	caggggtggggctcccccccCTTCAGCTTCCCGATATCCGACGGTAGTGTcagctgtcccgtccaag

EPN1_2388	ggaagtccgatggtagtgcgtCTTCAGCTTCCCGATATCCGACGGTAGTGTggaggtccagccccac
EPN1_2391	ccggggccggtgtccaggaCTTCAGCTTCCCGATATCCGACGGTAGTGTcccttaggacactcaacac
EPN1_2390	acaggtactggaatgggggtggCTTCAGCTTCCCGATATCCGACGGTAGTGTcatgctctctgctca
EPN1_2393	atgttctgctcagcccctcctgCTTCAGCTTCCCGATATCCGACGGTAGTGTccactgggcagggagg
EPN1_2392	ctccccctgccagtgccagCTTCAGCTTCCCGATATCCGACGGTAGTGTgaggggctgagcagaacat
EPN1_2394	gacatgagtggggtcagggCTTCAGCTTCCCGATATCCGACGGTAGTGTatgatggctatactgctc
EPN1_2395	cagggcttcggggccacctCTTCAGCTTCCCGATATCCGACGGTAGTGTggctgattggccccagg
EPN1_2396	ggtgagtggtggccatcacctgCTTCAGCTTCCCGATATCCGACGGTAGTGTccccaccgggaagac
EPN1_2397	caggaaggggtggaggcctgCTTCAGCTTCCCGATATCCGACGGTAGTGTcgcagcccactgtgtc
EPN1_2398	gcgccaccacgtacatctCTTCAGCTTCCCGATATCCGACGGTAGTGTgtctctggttactcttc
EPN1_2399	actgagacggagctggtcagCTTCAGCTTCCCGATATCCGACGGTAGTGTgcctggattataggagga
EPN1_2400	cagtgccctccccctcctgCTTCAGCTTCCCGATATCCGACGGTAGTGTggccccaacactaatcc
PLCB1_2401	ccaaattcgtcaagtgggatgatCTTCAGCTTCCCGATATCCGACGGTAGTGTccccagctcctgccgc
PLCB1_2402	gctgtcggacacgcacacgggctCTTCAGCTTCCCGATATCCGACGGTAGTGTattgataaacgcgcc
PLCB1_2404	aatgtaagaagaacatgaatCTTCAGCTTCCCGATATCCGACGGTAGTGTtagtagtaaacgactgaaa
PLCB1_2403	cattttcagctgttactCTTCAGCTTCCCGATATCCGACGGTAGTGTattcatgtttctctac
PLCB1_2406	gtgaaatcgttaagcaacgacCTTCAGCTTCCCGATATCCGACGGTAGTGTcaatcaaggcagcatct
PLCB1_2405	cagatgtgcttattgttCTTCAGCTTCCCGATATCCGACGGTAGTGTcgttctaacgatttca
PLCB1_2407	cctcgtgaacatctccattCTTCAGCTTCCCGATATCCGACGGTAGTGTgttgaatctctagtatag
PLCB1_2408	gtgatcagcctgctccagCTTCAGCTTCCCGATATCCGACGGTAGTGTatgatagctcaaggattcag
PLCB1_2409	aagcgttaagcactctaatCTTCAGCTTCCCGATATCCGACGGTAGTGTgtctaagactgtgcagt
PLCB1_2410	ccagaaatgcatcctggacCTTCAGCTTCCCGATATCCGACGGTAGTGTcгааaggaaattgtgttt
PLCB1_2412	gagaagcagaaaaaagggtCTTCAGCTTCCCGATATCCGACGGTAGTGTtagacatggcatggatt
PLCB1_2411	atctgaatccatgcatgctCTTCAGCTTCCCGATATCCGACGGTAGTGTcaaaccttgttttctgc
PLCB1_2414	aagtgaacacaaaggagagCTTCAGCTTCCCGATATCCGACGGTAGTGTttggagggtgaac
PLCB1_2413	gttcagcccccaaaactCTTCAGCTTCCCGATATCCGACGGTAGTGTcctttgtgttctact
PLCB1_2415	gtaaggtacacatttaagccaCTTCAGCTTCCCGATATCCGACGGTAGTGTttgctgactcctgtgtt
PLCB1_2416	gatgttcaatttcagctgaCTTCAGCTTCCCGATATCCGACGGTAGTGTgtctttagacacagtg
PLCB1_2417	caagagcaagccaagattCTTCAGCTTCCCGATATCCGACGGTAGTGTttgtgttctctgattg
PLCB1_2418	agggtgataaagtattcattaagCTTCAGCTTCCCGATATCCGACGGTAGTGTgctgtgactcccc
PLCB1_2419	gcccccttctactattctCTTCAGCTTCCCGATATCCGACGGTAGTGTgattcacatcttctaa
PLCB1_2420	cattcaaatccagtttctcaggCTTCAGCTTCCCGATATCCGACGGTAGTGTcagaagtagagttgtt
PLCB1_2421	gaacctgtacaccatggCTTCAGCTTCCCGATATCCGACGGTAGTGTggttgtttttgtgtgtt
PLCB1_2422	gcagtcctccctccagcaCTTCAGCTTCCCGATATCCGACGGTAGTGTtaccttaggagccttaacc
PLCB1_2423	gcagtcctccctccagcaCTTCAGCTTCCCGATATCCGACGGTAGTGTtaccttaggagccttaacc
PLCB1_2425	atgagaacacatgtatattcagCTTCAGCTTCCCGATATCCGACGGTAGTGTcgggaaaagactcat
PLCB1_2424	ggaatgagcttttccgaCTTCAGCTTCCCGATATCCGACGGTAGTGTactgaatatacatgtgtct
PLCB1_2427	ggagaacaagaacagaagaaggCTTCAGCTTCCCGATATCCGACGGTAGTGTgcatcattcctcaag
PLCB1_2426	gtccttgaaggaaatgatgcaCTTCAGCTTCCCGATATCCGACGGTAGTGTccttctctgttcttct
PLCB1_2428	gctctcagaacaagcctcaCTTCAGCTTCCCGATATCCGACGGTAGTGTagaatgctttcatttct
PLCB1_2429	ccgcttctctgatgactCTTCAGCTTCCCGATATCCGACGGTAGTGTcaattctaaacacacaa
PLCB1_2431	acagatcatatgtaccattcaCTTCAGCTTCCCGATATCCGACGGTAGTGTagggtggggaatgcc
PLCB1_2430	cattccaccacctgactctCTTCAGCTTCCCGATATCCGACGGTAGTGTgtgacatgatgatctgta
PLCB1_2432	gccagtcaagtttgactcattCTTCAGCTTCCCGATATCCGACGGTAGTGTtctcgggaaaataactga
PLCB1_2433	gattagacatttctgtggcCTTCAGCTTCCCGATATCCGACGGTAGTGTtcttgttccattact
PLCB1_2435	gggaaggtgagaatacaatCTTCAGCTTCCCGATATCCGACGGTAGTGTcgtcaaatcaagatactc
PLCB1_2434	actgcagaatgaacacagctCTTCAGCTTCCCGATATCCGACGGTAGTGTttttgtttgttcttca
PLCB1_2436	actatatgctcagctctctCTTCAGCTTCCCGATATCCGACGGTAGTGTggtagcttcttagtacta
PLCB1_2437	ggatgaatccacagctgttccCTTCAGCTTCCCGATATCCGACGGTAGTGTagaatggtttggacact
PLCB1_2438	catttactgaaggcatgtagCTTCAGCTTCCCGATATCCGACGGTAGTGTacaataaggcttgtgttt
PLCB1_2439	atcaaatgctgtcaggccCTTCAGCTTCCCGATATCCGACGGTAGTGTgactaagccattcttatg
PLCB1_2441	aaccaacatatctactccagctCTTCAGCTTCCCGATATCCGACGGTAGTGTataactcatatcaag
PLCB1_2440	aacatccaaggaatgctgCTTCAGCTTCCCGATATCCGACGGTAGTGTggattgattgattattga
PLCB1_2443	aaggacatgaagacacacctCTTCAGCTTCCCGATATCCGACGGTAGTGTaaggttctcagcacacta
PLCB1_2442	gtagtgctgagaaaccttCTTCAGCTTCCCGATATCCGACGGTAGTGTggtgtgcttctaatgtct
PLCB1_2444	aagactatgtgcagacacatCTTCAGCTTCCCGATATCCGACGGTAGTGTaactaacattggaaggaa
PLCB1_2445	gtagacaagacagcaggcagCTTCAGCTTCCCGATATCCGACGGTAGTGTggttcagtttcttctca
PLCB1_2446	aagaagaagtaagaagaaggctCTTCAGCTTCCCGATATCCGACGGTAGTGTtccaggacctttagct
PLCB1_2447	atcttcagtgtaagaagcagcCTTCAGCTTCCCGATATCCGACGGTAGTGTccaatgtgctattcctct
PLCB1_2448	actacaacctgacaccaagCTTCAGCTTCCCGATATCCGACGGTAGTGTaggcaagaaagaataaaa
PLCB1_2449	gattccccatttctgctggaCTTCAGCTTCCCGATATCCGACGGTAGTGTcctcctgactggcact
PLCB1_2451	cctgtaaacaaacaatattgCTTCAGCTTCCCGATATCCGACGGTAGTGTgggaaagggtgactt
PLCB1_2450	ccttcccccatggaattaCTTCAGCTTCCCGATATCCGACGGTAGTGTttgtttacaggaagaataa
PLCB1_2452	cacaagaaaaccactgacctCTTCAGCTTCCCGATATCCGACGGTAGTGTtcccttagcttcatattc
PLCB1_2453	catttctttagtgtttcttctCTTCAGCTTCCCGATATCCGACGGTAGTGTtcttcttggcggact

PLCB1_2454	ggacctgtaccatggcaagaaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTggagagccctttggaa
PLCB1_2455	agcagcagctgcttaattcttCTTCAGCTTCCCGATATCCGACGGTAGTGTgagtaaacctctgtgtctt
PLCB1_2456	ccttcaagtctattaacttttggCTTCAGCTTCCCGATATCCGACGGTAGTGTaggaggttccagttgca
PLCB1_2457	ctcaaaagaatctgtgagaagtCTTCAGCTTCCCGATATCCGACGGTAGTGTtgtttgaggaggtggga
PLCB1_2458	attgttctgacactctctctgCTTCAGCTTCCCGATATCCGACGGTAGTGTacaatggaagttaaagaga
PLCB1_2459	ccctctccaaacagttcatCTTCAGCTTCCCGATATCCGACGGTAGTGTctctttactctcattgtga
PLCB1_2462	catccagaattgacaaatggCTTCAGCTTCCCGATATCCGACGGTAGTGTatgttttcaaaggagagag
PLCB1_2461	cgctctctctttgcaaaacatCTTCAGCTTCCCGATATCCGACGGTAGTGTcacttttaaatgtttagat
PLCB1_2463	cccaaggtaaacggaactgaCTTCAGCTTCCCGATATCCGACGGTAGTGTgcacttttaaatgtttagat
PLCB1_2464	ccttgtgttctctacagttCTTCAGCTTCCCGATATCCGACGGTAGTGTctgtgtacaaggtacttat
PLCB1_2466	ggaaaaaaaggagggtctcattCTTCAGCTTCCCGATATCCGACGGTAGTGTctactctgccggaagg
PLCB1_2465	gtccttccggccaggtaggaCTTCAGCTTCCCGATATCCGACGGTAGTGTatgacagctccctttttt
PLCB1_2467	acagcaatcacggttctgccCTTCAGCTTCCCGATATCCGACGGTAGTGTaagcatctccctctgat
PLCB1_2468	actgatcttcttctatggctCTTCAGCTTCCCGATATCCGACGGTAGTGTtcacagaggagatcaa
PLCB1_2469	aagatcactgccaggaccatcCTTCAGCTTCCCGATATCCGACGGTAGTGTgactccctccagtgagga
SYN1_2503	gttgaaggcattgtcagagaCTTCAGCTTCCCGATATCCGACGGTAGTGTgattttggggttctcagag
SYN1_2504	cccagccttagccaggacgaCTTCAGCTTCCCGATATCCGACGGTAGTGTgtaacctgtgttctctcc
SYN1_2506	caccccagctcaagtaaggggacCTTCAGCTTCCCGATATCCGACGGTAGTGTggcaccaccacgca
SYN1_2505	gtttctggccagctgtgttctCTTCAGCTTCCCGATATCCGACGGTAGTGTctctactctggccagcgg
SYN1_2507	ggtagggcccagaggcctttggcCTTCAGCTTCCCGATATCCGACGGTAGTGTcgtctggccgagcgtg
SYN1_2508	ggcgggcagcagcggcccttCTTCAGCTTCCCGATATCCGACGGTAGTGTccccggggcgctccagc
SYN1_2509	aggcgtggggcaggggctctCTTCAGCTTCCCGATATCCGACGGTAGTGTgagggcggggcgggc
SYN1_2510	ccaagtcccactcagcggcccCTTCAGCTTCCCGATATCCGACGGTAGTGTggcctccacagcggg
SYN1_2511	gcttaccctgtgtggggctctCTTCAGCTTCCCGATATCCGACGGTAGTGTcctggcgtggggcctg
SYN1_2513	gagaggctggcggctcagctCTTCAGCTTCCCGATATCCGACGGTAGTGTtatttttaacctctctgc
SYN1_2514	gtcttcatctgtgtgtcaccacCTTCAGCTTCCCGATATCCGACGGTAGTGTaagccactagctcagc
SYN1_2515	catctgtagctgtgtgtcaacCTTCAGCTTCCCGATATCCGACGGTAGTGTctgaagcagctgttac
SYN1_2516	gtatctccaagacaaagggtggCTTCAGCTTCCCGATATCCGACGGTAGTGTtctaccaccactcccc
SYN1_2517	gtgggtggacagctcagaCTTCAGCTTCCCGATATCCGACGGTAGTGTggagcaaatctcagctct
SYN1_2518	gttcctgacactgacgtccttCTTCAGCTTCCCGATATCCGACGGTAGTGTaagcctgtcagctctca
SYN1_2519	ggaagaccaatactggctctCTTCAGCTTCCCGATATCCGACGGTAGTGTaactacaaggctacatgt
SYN1_2520	gatgtctggaagctagctgtctCTTCAGCTTCCCGATATCCGACGGTAGTGTggccttggctctcca
SYN1_2521	caagtgtctgtgactgaccaCTTCAGCTTCCCGATATCCGACGGTAGTGTctgtgtctatgtatacat
SYN1_2523	gctggcgtgtgcataggtagatCTTCAGCTTCCCGATATCCGACGGTAGTGTcctggagggtacacctt
SYN1_2522	cagaaagggtgacctcaggcCTTCAGCTTCCCGATATCCGACGGTAGTGTatctacctatgcacagccc
SYN1_2525	ggggaaaatagatggggcaggaCTTCAGCTTCCCGATATCCGACGGTAGTGTactcactgaccagctct
SYN1_2524	gctgggtcagtgagctcttCTTCAGCTTCCCGATATCCGACGGTAGTGTcccactctattttcccaaa
SYN1_2526	catactgcagcccaatgacaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTgggttcaagctccaca
SYN1_2527	cccaggttaactccttctcattCTTCAGCTTCCCGATATCCGACGGTAGTGTcaactcctaccctg
SYN1_2529	gaagggtacctgtgtttatCTTCAGCTTCCCGATATCCGACGGTAGTGTgaatcaccagttttttc
SYN1_2528	aaaactgtgtattcacctacatCTTCAGCTTCCCGATATCCGACGGTAGTGTcaaggtaccctcttat
SYN1_2531	gggacattggacctgggggtcCTTCAGCTTCCCGATATCCGACGGTAGTGTggcctgtgtttgtctc
SYN1_2530	agacaaaacacaggcccttgacCTTCAGCTTCCCGATATCCGACGGTAGTGTcaggtccaaatgtccaa
SYN1_2532	cgcccgctgtctgctgacCTTCAGCTTCCCGATATCCGACGGTAGTGTgagacgtccggcagtg
SYN1_2533	cagcgagcaggtggcgggcCTTCAGCTTCCCGATATCCGACGGTAGTGTgagaggtcctccggggtc
SYN1_2534	gacgctgcagctctgtatgaccCTTCAGCTTCCCGATATCCGACGGTAGTGTggaccggggtaggg
SYN1_2535	gcagccgccccaccggcCTTCAGCTTCCCGATATCCGACGGTAGTGTcggctctggccagaccacc
ARHGEF9_2536	ccaggtactggcgtgttctCTTCAGCTTCCCGATATCCGACGGTAGTGTaaaataatctgtcctcctg
ARHGEF9_2537	catcgtcagctgcaggtctCTTCAGCTTCCCGATATCCGACGGTAGTGTgtttacataactataccct
ARHGEF9_2539	actcagctctgtgaaagactaCTTCAGCTTCCCGATATCCGACGGTAGTGTaagggtgtgtttctca
ARHGEF9_2538	attttttaaatgagaacacacacCTTCAGCTTCCCGATATCCGACGGTAGTGTtccatagctttcaca
ARHGEF9_2540	gtctccttgtgtgaagcttaaCTTCAGCTTCCCGATATCCGACGGTAGTGTcttcttctactctcagg
ARHGEF9_2541	agaagctggaggaaaaaatagCTTCAGCTTCCCGATATCCGACGGTAGTGTgcattgacatggataaa
ARHGEF9_2542	gtgcacggcagtagtagaaCTTCAGCTTCCCGATATCCGACGGTAGTGTattgaagtcatcatctctgc
ARHGEF9_2543	gagctcgtctagatgtctctCTTCAGCTTCCCGATATCCGACGGTAGTGTagggaagaaggggcag
ARHGEF9_2544	gagctgatctacactggggagatCTTCAGCTTCCCGATATCCGACGGTAGTGTcctctctatcccagt
ARHGEF9_2545	catttctcatgacagccaagCTTCAGCTTCCCGATATCCGACGGTAGTGTcaagctattcagatttccc
ARHGEF9_2546	gactcagcagatcaacgaacCTTCAGCTTCCCGATATCCGACGGTAGTGTaggagagtggtgttaaga
ARHGEF9_2547	atcatctgctcaagaggcgaCTTCAGCTTCCCGATATCCGACGGTAGTGTattcactcctgactcctc
ARHGEF9_2548	cctttgactccagtgcagaaCTTCAGCTTCCCGATATCCGACGGTAGTGTctgagtattgaaacaacc
ARHGEF9_2549	gacagatcatattcttaggcagaaCTTCAGCTTCCCGATATCCGACGGTAGTGTcatgcaagcatccagg
ARHGEF9_2550	aagccatctgaaatctgtagCTTCAGCTTCCCGATATCCGACGGTAGTGTtccattgtttcctaacac
ARHGEF9_2551	gtgagagacctggagaaacagCTTCAGCTTCCCGATATCCGACGGTAGTGTgacctaggcttttctttg
ARHGEF9_2552	agaggcagctgaattggggtCTTCAGCTTCCCGATATCCGACGGTAGTGTctccacatgaaccaccatg
ARHGEF9_2553	ggggcggcactcagaaccCTTCAGCTTCCCGATATCCGACGGTAGTGTgaaggaagctaaccttat



ARHGEF9_2554	ctttaaataccaactcccgggtCTTCAGCTTCCCGATATCCGACGGTAGTGTaataggagaggagagtgga
ARHGEF9_2555	gacgtcatcaaaagtctggatgcCTTCAGCTTCCCGATATCCGACGGTAGTGTgtagctgtggactga
ARHGEF9_2557	atctttgtctgtcttctctCTTCAGCTTCCCGATATCCGACGGTAGTGTaaaaaatcacagacagag
ARHGEF9_2556	cctgtctctgtctgtatttttCTTCAGCTTCCCGATATCCGACGGTAGTGTaaagacaagacagacaa
ARHGEF9_2559	gcatgtaaccttggcttcccttCTTCAGCTTCCCGATATCCGACGGTAGTGTggctctcgtcttctca
ARHGEF9_2558	gaagcaagcagagagcccagcCTTCAGCTTCCCGATATCCGACGGTAGTGTgaagccaaggttacatgca
MECP2_2580	ccctcggtgttgtacttttCTTCAGCTTCCCGATATCCGACGGTAGTGTtggtttggcttggcaatcc
MECP2_2581	agggagagcgaagacattgtCTTCAGCTTCCCGATATCCGACGGTAGTGTgctgcaagaggagagaag
MECP2_2582	gctcaggtaggaggtggggcaCTTCAGCTTCCCGATATCCGACGGTAGTGTactcttagctgctccttg
MECP2_2583	ccccctgagcccaggacttgaCTTCAGCTTCCCGATATCCGACGGTAGTGTctctcaccaccaagaa
MECP2_2584	gctcttacaggcttctcagctcttCTTCAGCTTCCCGATATCCGACGGTAGTGTgggagcagtgccacgg
MECP2_2585	gcggaaaagcaaggagagcagCTTCAGCTTCCCGATATCCGACGGTAGTGTactccccatcaagaagc
MECP2_2587	gccaaaaaagaagcctggaaggCTTCAGCTTCCCGATATCCGACGGTAGTGTcaccacatcccccaggt
MECP2_2586	cccgtttcttgggaatggcctgaCTTCAGCTTCCCGATATCCGACGGTAGTGTcctctcccgggtcttg
MECP2_2588	actttctccaggaccttttctcCTTCAGCTTCCCGATATCCGACGGTAGTGTgctcagcttttctgct
MECP2_2589	gggaagctccttgaagatgcCTTCAGCTTCCCGATATCCGACGGTAGTGTgaagccaaatctccaa
MECP2_2590	atcattagggtccaggatgtctCTTCAGCTTCCCGATATCCGACGGTAGTGTggtgcccctctctt
MECP2_2591	gacttcacgtaactgggagagCTTCAGCTTCCCGATATCCGACGGTAGTGTgctcttaattgttctt
MECP2_2592	ggtagggtcatcatacatggctCTTCAGCTTCCCGATATCCGACGGTAGTGTtctctgcccctct
MECP2_2593	ggacacggaagcttaagcaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTcaagcagagacatcagaa
MECP2_2594	cctcttctcttcttcttcttCTTCAGCTTCCCGATATCCGACGGTAGTGTctgtttggggaggca
MECP2_2595	catgagccctgcagccatcCTTCAGCTTCCCGATATCCGACGGTAGTGTgtgatactacatactgt
MECP2_2597	gtatatgtctggttggccaCTTCAGCTTCCCGATATCCGACGGTAGTGTaccagttctcttggatg
MECP2_2596	catcaagcaggaactggctgaCTTCAGCTTCCCGATATCCGACGGTAGTGTgcaaacaggacatatac
MECP2_2599	gggaccctggtggccgctggcCTTCAGCTTCCCGATATCCGACGGTAGTGTcgtggcggcgcgcgc
MECP2_2598	cgcgccgcccagcagccggCTTCAGCTTCCCGATATCCGACGGTAGTGTggcccacggcggctcca
DLGAP3_MIP_1	gcccgttgcgcttctctcCTTCAGCTTCCCGATATCCGACGGTAGTGTggcccggccggctggcg
DLGAP3_MIP_2	cctggcggccaagcgcgcttCTTCAGCTTCCCGATATCCGACGGTAGTGTgccccaggaggaga
DLGAP3_MIP_3	cgaacgcgatggcgcctcagaaCTTCAGCTTCCCGATATCCGACGGTAGTGTatcctcaggaggactc
DLGAP3_MIP_4	gtaggaggtcccagaaccctCTTCAGCTTCCCGATATCCGACGGTAGTGTgaatttccagagctgctggc
DLGAP3_MIP_5	aggatgtgacctcaagttctctCTTCAGCTTCCCGATATCCGACGGTAGTGTgctgggctcagacctc
DLGAP3_MIP_6	actagaaagcagaagaaattCTTCAGCTTCCCGATATCCGACGGTAGTGTacatgtatctgtagga
DLGAP3_MIP_7	gtgctgtggcagcacacaCTTCAGCTTCCCGATATCCGACGGTAGTGTatggatacacagtccaag
DLGAP3_MIP_8	catcttgatgaaccactcgcctCTTCAGCTTCCCGATATCCGACGGTAGTGTgaggccatggtcccca
DLGAP3_MIP_9	gcagatggagcgtgaggcgaCTTCAGCTTCCCGATATCCGACGGTAGTGTcgtactctgtagagc
DLGAP3_MIP_10	ggtagggccactggccctcctCTTCAGCTTCCCGATATCCGACGGTAGTGTggggagctcagtaaccg
DLGAP3_MIP_11	cgagggtaccactcctctCTTCAGCTTCCCGATATCCGACGGTAGTGTggccacagaagacaagccc
DLGAP3_MIP_12	cctggggagagggtggctctCTTCAGCTTCCCGATATCCGACGGTAGTGTtctggaaggagctcaa
DLGAP3_MIP_13	gagcaaggtcaagcgtctcCTTCAGCTTCCCGATATCCGACGGTAGTGTaagtgcaggttaattctc
DLGAP3_MIP_14	atctgagatcgtctccactggCTTCAGCTTCCCGATATCCGACGGTAGTGTctatgcagccctctctc
DLGAP3_MIP_15	ccggaggaggttccactctattggCTTCAGCTTCCCGATATCCGACGGTAGTGTcttggggcagccat
DLGAP3_MIP_16	gtcttgatgatgagtgtggggcCTTCAGCTTCCCGATATCCGACGGTAGTGTcaccacgccccgacc
DLGAP3_MIP_17	ccattggggtgcaggtatggaacCTTCAGCTTCCCGATATCCGACGGTAGTGTgctgacactggag
DLGAP3_MIP_18	gtctggcgggtgatggagatCTTCAGCTTCCCGATATCCGACGGTAGTGTcccggggcggcaccggcg
DLGAP3_MIP_19	gcaccgactccgcagcagCTTCAGCTTCCCGATATCCGACGGTAGTGTaggcaggccgcagcctca
DLGAP3_MIP_20	gctccgatgccaagaccctCTTCAGCTTCCCGATATCCGACGGTAGTGTggccggccaggggcagga
DLGAP3_MIP_21	ccatcaggccgctgctctCTTCAGCTTCCCGATATCCGACGGTAGTGTgctcagcagatgagtgaa
DLGAP3_MIP_22	aagacctctatctcagaggCTTCAGCTTCCCGATATCCGACGGTAGTGTacaccgaccgcacac
DLGAP3_MIP_23	aacagtggactcctagaggtCTTCAGCTTCCCGATATCCGACGGTAGTGTctctcaggcactagg
DLGAP3_MIP_24	cccagatgctgaggaaagaCTTCAGCTTCCCGATATCCGACGGTAGTGTctctcagctcactgtt
DLGAP3_MIP_25	actgcttgggagatgctctCTTCAGCTTCCCGATATCCGACGGTAGTGTccactctacacatctcc
DLGAP3_MIP_26	gatcaagtaaggacaggaggcCTTCAGCTTCCCGATATCCGACGGTAGTGTgagcggcagctacatca
DLGAP3_MIP_27	gtctctcagacatgacctagtCTTCAGCTTCCCGATATCCGACGGTAGTGTctctctcatccccatg
DLGAP3_MIP_28	ggtatccatcccgccttggCTTCAGCTTCCCGATATCCGACGGTAGTGTagtgcagaagactggtgaag
DLGAP3_MIP_29	ccaagccaaagcaggacttaCTTCAGCTTCCCGATATCCGACGGTAGTGTgactcggcatgctcatg
DLGAP3_MIP_30	aaggaccaccaggtccccagCTTCAGCTTCCCGATATCCGACGGTAGTGTactcgttgaccagctg
DLGAP3_MIP_31	cctggagggtccagatggctctCTTCAGCTTCCCGATATCCGACGGTAGTGTggaccgaaggagatg
DLGAP3_MIP_32	ggtagtgatggaggtgctgCTTCAGCTTCCCGATATCCGACGGTAGTGTacttcaagttgcatcg
DLGAP3_MIP_33	accagtcccggcagcgaagaCTTCAGCTTCCCGATATCCGACGGTAGTGTgggggaagcgggactataat
DLGAP3_MIP_34	ggcagtgcccctcctggcctgCTTCAGCTTCCCGATATCCGACGGTAGTGTcctcagccttggcc
DLGAP3_MIP_35	gcatccggcactggtcattCTTCAGCTTCCCGATATCCGACGGTAGTGTgaaaagcagttgccagtt
DLGAP3_MIP_36	cagggtacatcctgggaaggCTTCAGCTTCCCGATATCCGACGGTAGTGTgtgtggaagcactctgt
DLGAP3_MIP_37	gacacctgtaagactgtgCTTCAGCTTCCCGATATCCGACGGTAGTGTcatttctctgaaggcc
DLGAP3_MIP_38	ggccctggcagcaggcccCTTCAGCTTCCCGATATCCGACGGTAGTGTctctcaggcctaccgac
DLGAP3_MIP_39	aggccttcccaccagcccCTTCAGCTTCCCGATATCCGACGGTAGTGTgagccttctgtaggacctg

DLGAP3_MIP_40	catcttttattaggcatccttgtaCTTCAGCTTCCCGATATCCGACGGTAGTGTggctccatggtaacc
SV2A_MIP_1	gaggatgggtgcagccttggcttCCTCAGCTTCCCGATATCCGACGGTAGTGTggagtgttggctcacag
SV2A_MIP_2	cccttgccttggcagctctctCCTCAGCTTCCCGATATCCGACGGTAGTGTctctgagcaggaccaca
SV2A_MIP_3	caagagggagagagaaggttgCCTCAGCTTCCCGATATCCGACGGTAGTGTggcattcaggaagccaaaa
SV2A_MIP_4	ggcggactcactgttcccaaaCCTCAGCTTCCCGATATCCGACGGTAGTGTaatcactgcctgcctc
SV2A_MIP_5	ggacgtgtgactgttgaactctaCCTCAGCTTCCCGATATCCGACGGTAGTGTgctccagctggctcca
SV2A_MIP_6	gcccaggatgagactgttccCCTCAGCTTCCCGATATCCGACGGTAGTGTcaggaagaagcaggagaca
SV2A_MIP_7	catgtaggcaccttgcctcCCTCAGCTTCCCGATATCCGACGGTAGTGTtactatcagatctgactca
SV2A_MIP_8	gggacactggcagtgcttccCCTCAGCTTCCCGATATCCGACGGTAGTGTgacctgttcgagtaagtt
SV2A_MIP_9	gttagtagggggctctcaaaCCTCAGCTTCCCGATATCCGACGGTAGTGTcagacggctgtccac
SV2A_MIP_10	gaatcctcaaaggacactgacCCTCAGCTTCCCGATATCCGACGGTAGTGTaacctttgtctgacacc
SV2A_MIP_11	gttattttgaggatgtcacatccCCTCAGCTTCCCGATATCCGACGGTAGTGTtctcctaaagtgagt
SV2A_MIP_12	gtccactgcctggagatggcCCTCAGCTTCCCGATATCCGACGGTAGTGTgtgaagttttaaagtcccca
SV2A_MIP_13	cgcatcccgcaccaagtgCCTCAGCTTCCCGATATCCGACGGTAGTGTctctgctgattctaattct
SV2A_MIP_14	ggaccagacaaagtccagactCCTCAGCTTCCCGATATCCGACGGTAGTGTcaccacacatcaccagc
SV2A_MIP_15	gtggctgggtgatgtggCCTCAGCTTCCCGATATCCGACGGTAGTGTcaaggtctgactttgtctg
SV2A_MIP_16	gttacctgggtcaagagaaggCCTCAGCTTCCCGATATCCGACGGTAGTGTtctaccaccccctcac
SV2A_MIP_17	gacgattcatcaggagatgaaCCTCAGCTTCCCGATATCCGACGGTAGTGTgggtatcatatccacct
SV2A_MIP_18	gacacaatccccacatccaagtCCTCAGCTTCCCGATATCCGACGGTAGTGTggctgagtcggaggg
SV2A_MIP_19	cctcccgaactcagactccacCCTCAGCTTCCCGATATCCGACGGTAGTGTggatgtgggattgtct
SV2A_MIP_20	gcagaacctctgaaaactccaCCTCAGCTTCCCGATATCCGACGGTAGTGTatgcagctcagccccat
SV2A_MIP_21	agctggagggtctctgctcCCTCAGCTTCCCGATATCCGACGGTAGTGTtattcctctcctcctct
SV2A_MIP_22	gggccagaactcggagaatagCCTCAGCTTCCCGATATCCGACGGTAGTGTactcgggtggatttcc
SV2A_MIP_23	ctggctctgcatgtttggatgaCCTCAGCTTCCCGATATCCGACGGTAGTGTgatcaggatcatggcca
SV2A_MIP_24	gttgactgagagcagatgagcCCTCAGCTTCCCGATATCCGACGGTAGTGTcagtaccaggcacagt
SV2A_MIP_25	cgcttctgccttctctatctCCTCAGCTTCCCGATATCCGACGGTAGTGTgctgtttctcctccc
SV2A_MIP_26	cacaaaatacagtgccactggaCCTCAGCTTCCCGATATCCGACGGTAGTGTggagccccatgtct
SV2A_MIP_27	gacggtgtggaggtcttggCCTCAGCTTCCCGATATCCGACGGTAGTGTggggggagggcacaacg
SV2A_MIP_28	gccccgggaatgcctcCCTCAGCTTCCCGATATCCGACGGTAGTGTgtctctctgcttctccc
SV2A_MIP_29	agtctggggcacaaggcagCCTCAGCTTCCCGATATCCGACGGTAGTGTccagatggttattaccga
SV2A_MIP_30	atattctctgactctgtcCCTCAGCTTCCCGATATCCGACGGTAGTGTtcatgtagcatcactggatg
SV2A_MIP_31	gaagatcgtactcccgttCCTCAGCTTCCCGATATCCGACGGTAGTGTcatcatggaagggcttc
SV2A_MIP_32	gctcaaggactgtagatcaCCTCAGCTTCCCGATATCCGACGGTAGTGTttttgacttcttagcaa
SYT2_MIP_1	gaccagtccgcagctctgtCCTCAGCTTCCCGATATCCGACGGTAGTGTgtgtccgtaaaaggtgg
SYT2_MIP_2	caagcctgaggaggaggtggaCCTCAGCTTCCCGATATCCGACGGTAGTGTtatgacaagctggcaaga
SYT2_MIP_3	aatttatcctcatcaacctcaCCTCAGCTTCCCGATATCCGACGGTAGTGTcagaatcttgcctatg
SYT2_MIP_4	gttgtcttcttcttgaccCCTCAGCTTCCCGATATCCGACGGTAGTGTatacatgttgcctcccc
SYT2_MIP_5	gtgaagaagaagaccctgaaccCCTCAGCTTCCCGATATCCGACGGTAGTGTgtacattcggcaggaa
SYT2_MIP_6	cagatgtgccagcttctCCTCAGCTTCCCGATATCCGACGGTAGTGTgggtgccaccactggcagcc
SYT2_MIP_7	gcccggaaagctactgtctCCTCAGCTTCCCGATATCCGACGGTAGTGTtcaatttggcaagaagag
SYT2_MIP_8	cggtcaaagtcagatggccatCCTCAGCTTCCCGATATCCGACGGTAGTGTggctcatctctgctct
SYT2_MIP_9	ccaaacatgacatcattggagagCCTCAGCTTCCCGATATCCGACGGTAGTGTccatagaccctgga
SYT2_MIP_10	gacataagggtctgaggtgctcCCTCAGCTTCCCGATATCCGACGGTAGTGTgggagctggagtcacc
SYT2_MIP_11	aggcttctcctcctgacaagCCTCAGCTTCCCGATATCCGACGGTAGTGTgtgtattggagcagt
SYT2_MIP_12	gctcttctcctcctcccctCCTCAGCTTCCCGATATCCGACGGTAGTGTgttctatccccctccac
SYT2_MIP_13	gcagtttccctggactatgatCCTCAGCTTCCCGATATCCGACGGTAGTGTgttctcccctttaa
SYT2_MIP_14	gttcttcttcttctgacgagCCTCAGCTTCCCGATATCCGACGGTAGTGTccttccagcatcaggaa
SYT2_MIP_15	gagaaggcacaagcctgaagaaCCTCAGCTTCCCGATATCCGACGGTAGTGTatcttctctgtgtggc
SYT2_MIP_16	actctcagtgagttgtccagCCTCAGCTTCCCGATATCCGACGGTAGTGTtctccaccactagcct
SYT2_MIP_17	caggaggacatgttgcacaactCCTCAGCTTCCCGATATCCGACGGTAGTGTtctctccaccatgag
SYT2_MIP_18	agaagctcttatagatcaagaCCTCAGCTTCCCGATATCCGACGGTAGTGTggctctgttctctt
MAPK8_MIP_1	gctcaggagctcaaggaataCCTCAGCTTCCCGATATCCGACGGTAGTGTtttggatgaagccattaat
MAPK8_MIP_2	atatcgtttcaggactgtgaaCCTCAGCTTCCCGATATCCGACGGTAGTGTaaatattgccaaagatc
MAPK8_MIP_3	gcctacagagagctagtctCCTCAGCTTCCCGATATCCGACGGTAGTGTattttgctgaagttttt
MAPK8_MIP_4	cgcttggcatgagctgattCCTCAGCTTCCCGATATCCGACGGTAGTGTcccaaatattgatcttga
MAPK8_MIP_5	aagtcgagagacagaaaaatagCCTCAGCTTCCCGATATCCGACGGTAGTGTgtccagcagcaatcta
MAPK8_MIP_6	ctagatcatgaaagtgtctacCCTCAGCTTCCCGATATCCGACGGTAGTGTttttgtaagttagta
MAPK8_MIP_7	ccatctgaatcacttggcaaaCCTCAGCTTCCCGATATCCGACGGTAGTGTcctcaatgagaaacaaga
MAPK8_MIP_8	atgacgccttatgtagctCCTCAGCTTCCCGATATCCGACGGTAGTGTtatcatggcagctatttt
MAPK8_MIP_9	gttctctgagctctggccagCCTCAGCTTCCCGATATCCGACGGTAGTGTgaaaaaaagctaaatcaga
MAPK8_MIP_10	gcgatgaactcttatgttctCCTCAGCTTCCCGATATCCGACGGTAGTGTctttgtgctgcaaca
MAPK8_MIP_11	gtttgcagcacaagaaggaCCTCAGCTTCCCGATATCCGACGGTAGTGTcataaagaagttcatgcc
MAPK8_MIP_12	gtagtttcaaaagtcataatCCTCAGCTTCCCGATATCCGACGGTAGTGTatctttatgtaatgtcat
MAPK8_MIP_13	caatgacattaacataaagattCCTCAGCTTCCCGATATCCGACGGTAGTGTtttgactttagaatc
MAPK8_MIP_14	atatgctggatagcttgaCCTCAGCTTCCCGATATCCGACGGTAGTGTattttcttagctactga

MAPK8_MIP_15	caacgtaagtcttactgttggCTTCAGCTTCCCGATATCCGACGGTAGTGTaccccaatgggattaaa
MAPK8_MIP_16	atccttctgaagcagaagctCTTCAGCTTCCCGATATCCGACGGTAGTGTgtacattaacaccattatg
MAPK8_MIP_17	ggagagcttcatctacagagaCTTCAGCTTCCCGATATCCGACGGTAGTGTaataaaaaggtctctcca
MAPK8_MIP_18	cttctggttttatagtgaCTTCAGCTTCCCGATATCCGACGGTAGTGTggttattattgcttctg
MAPK8_MIP_19	aggcaataataaccaagtcagtCTTCAGCTTCCCGATATCCGACGGTAGTGTaataaaaccagaagctcc
MAPK8_MIP_20	ccttccttaggttggttacaCTTCAGCTTCCCGATATCCGACGGTAGTGTacatgctgttgagatt
MAPK8_MIP_21	gccccgtataactcattctCTTCAGCTTCCCGATATCCGACGGTAGTGTaagcctggaataaatga
MAPK8_MIP_22	cagtctagaagcagcagctgCTTCAGCTTCCCGATATCCGACGGTAGTGTgatttctgtttgttctc
MAPK8_MIP_23	gtctgtatcagaggccaaagtCTTCAGCTTCCCGATATCCGACGGTAGTGTaataagaccactgaattg
SV2B_MIP_1	agaagatgcacagatgatgtcCTTCAGCTTCCCGATATCCGACGGTAGTGTcgaggatataagctcaag
SV2B_MIP_2	ggtaatagccatcactgggagcaCTTCAGCTTCCCGATATCCGACGGTAGTGTcctgcttggccttgaca
SV2B_MIP_3	cgagaccatcatgatgagtgCTTCAGCTTCCCGATATCCGACGGTAGTGTgtatccctcaccagatg
SV2B_MIP_4	catcttccagctctcagccaCTTCAGCTTCCCGATATCCGACGGTAGTGTaaaactcaccagaact
SV2B_MIP_5	aagggaaggagaagtaaaattatCTTCAGCTTCCCGATATCCGACGGTAGTGTgatggcagtggggtg
SV2B_MIP_6	cagcatgtctctggcctcaCTTCAGCTTCCCGATATCCGACGGTAGTGTaatctttgtctttctctc
SV2B_MIP_7	gcttcttcccagcttatcagcCTTCAGCTTCCCGATATCCGACGGTAGTGTgctccacctccctaaga
SV2B_MIP_8	catcttctggatgactggggCTTCAGCTTCCCGATATCCGACGGTAGTGTtagtgtatgacttattctt
SV2B_MIP_9	cccagacaagaattcagaaaaatCTTCAGCTTCCCGATATCCGACGGTAGTGTggcccccttagctgtt
SV2B_MIP_10	cagagagcccaaggttctgcCTTCAGCTTCCCGATATCCGACGGTAGTGTtttgactcagctcttt
SV2B_MIP_11	catgaacttcagggccacatgCTTCAGCTTCCCGATATCCGACGGTAGTGTaaagcagcagagtggtg
SV2B_MIP_12	ccaataagaaggggttctccCTTCAGCTTCCCGATATCCGACGGTAGTGTgtcttcttggtttccac
SV2B_MIP_13	gtgaaaccaaggaagacacagCTTCAGCTTCCCGATATCCGACGGTAGTGTgaaaccccttctattgg
SV2B_MIP_14	caagaccatttcaagcaggtCTTCAGCTTCCCGATATCCGACGGTAGTGTgggggttcaaatctctat
SV2B_MIP_15	accaggttctgttgaacttggCTTCAGCTTCCCGATATCCGACGGTAGTGTggatgttcaggagctgc
SV2B_MIP_16	atttctgaattcctgtgctcCTTCAGCTTCCCGATATCCGACGGTAGTGTtcttctggtatgggtg
SV2B_MIP_17	caaccataccagagaaggattCTTCAGCTTCCCGATATCCGACGGTAGTGTcagaggaattcagaat
SV2B_MIP_18	atcaactcagatggaaaatcaCTTCAGCTTCCCGATATCCGACGGTAGTGTtctgcttctccactc
SV2B_MIP_19	cttctatttagactgtattctCTTCAGCTTCCCGATATCCGACGGTAGTGTgtcacctctggtgag
SV2B_MIP_20	gaaatcaaccttttacaacacCTTCAGCTTCCCGATATCCGACGGTAGTGTgggtcaccctcttcca
SV2B_MIP_21	caaatagcactcgtcaagaCTTCAGCTTCCCGATATCCGACGGTAGTGTtcttggacaacacaagttg
SV2B_MIP_22	atttacctcgtcagcttctggCTTCAGCTTCCCGATATCCGACGGTAGTGTaacgaaggttcttctt
SV2B_MIP_23	aggaagtattatctgtccaCTTCAGCTTCCCGATATCCGACGGTAGTGTggaaccaggaatgacc
SV2B_MIP_24	cctgttctgtggacaagcattCTTCAGCTTCCCGATATCCGACGGTAGTGTcaagacacaggcctcatg
SV2B_MIP_25	attgagactcactgttccaCTTCAGCTTCCCGATATCCGACGGTAGTGTcaaaaagtcctcaggaa
SV2B_MIP_26	gctgcttctctggttggCTTCAGCTTCCCGATATCCGACGGTAGTGTtatttccattccttcta
SV2B_MIP_27	gaagatggggaccacttgggtCTTCAGCTTCCCGATATCCGACGGTAGTGTtttcagtgctctggaca
DLGAP1_MIP_1	ggcgttggggcctctggcCTTCAGCTTCCCGATATCCGACGGTAGTGTtcttggcggcgccggg
DLGAP1_MIP_2	atggccgccaagcgcgcgctCTTCAGCTTCCCGATATCCGACGGTAGTGTaaccttctgctttgatca
DLGAP1_MIP_3	gttctgatctcacactgcatatCTTCAGCTTCCCGATATCCGACGGTAGTGTgaggagggcccttctc
DLGAP1_MIP_4	ccaaaaccccgcaaatccCTTCAGCTTCCCGATATCCGACGGTAGTGTaatgaaccatacaaatcta
DLGAP1_MIP_5	catgctgcagttgtccatagCTTCAGCTTCCCGATATCCGACGGTAGTGTtattgaaaatgcctttttg
DLGAP1_MIP_6	cctagaactggaagagcaacaCTTCAGCTTCCCGATATCCGACGGTAGTGTcatggcactagcagg
DLGAP1_MIP_7	cagtgggcagtgcccaactcCTTCAGCTTCCCGATATCCGACGGTAGTGTgtgtccattttccta
DLGAP1_MIP_8	ccaccctcatgctgtctcCTTCAGCTTCCCGATATCCGACGGTAGTGTcagagaagaaaacaaggg
DLGAP1_MIP_9	ggaagaacgggaaaacaaccCTTCAGCTTCCCGATATCCGACGGTAGTGTgattgacttactcagga
DLGAP1_MIP_10	gtttctgagccctgaatgctgCTTCAGCTTCCCGATATCCGACGGTAGTGTggcacactgaccttggca
DLGAP1_MIP_11	cctgtgcccgatgatgacCTTCAGCTTCCCGATATCCGACGGTAGTGTtccatgataatctggaaa
DLGAP1_MIP_12	cttgggagatagaaaaaagaaatCTTCAGCTTCCCGATATCCGACGGTAGTGTgtctggccatggggcc
DLGAP1_MIP_13	ccacctggagaatcatcaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTtcaaaaacatcaagacaaa
DLGAP1_MIP_14	caaaacaggggagaataaagcCTTCAGCTTCCCGATATCCGACGGTAGTGTcaaaaacatccagtcata
DLGAP1_MIP_15	gcagtgatttgccatgtgCTTCAGCTTCCCGATATCCGACGGTAGTGTtcttatttcaaaggataga
DLGAP1_MIP_16	gtcaccaccagactaccatagCTTCAGCTTCCCGATATCCGACGGTAGTGTcagccagctctgactcag
DLGAP1_MIP_17	gtttctgttagtcttgggtggCTTCAGCTTCCCGATATCCGACGGTAGTGTatctgtccaggctctg
DLGAP1_MIP_18	cacagcccagatgacacagaCTTCAGCTTCCCGATATCCGACGGTAGTGTaaatataaacccacgcaga
DLGAP1_MIP_19	ggagcagcttctcaatggcccCTTCAGCTTCCCGATATCCGACGGTAGTGTccatagccagcaggg
DLGAP1_MIP_20	acgagtgctgtcctgaggtcCTTCAGCTTCCCGATATCCGACGGTAGTGTgtgtgctgagctgttct
DLGAP1_MIP_21	cctctcaagcatctgcaactcCTTCAGCTTCCCGATATCCGACGGTAGTGTggcctcgactccagc
DLGAP1_MIP_22	ggttgatggagacttcaactcCTTCAGCTTCCCGATATCCGACGGTAGTGTcctgaccaccctgccc
DLGAP1_MIP_23	gagcctggacagcctggaccCTTCAGCTTCCCGATATCCGACGGTAGTGTcctgcaatttgggaatgga
DLGAP1_MIP_24	agtctcaactgtctcatccccCTTCAGCTTCCCGATATCCGACGGTAGTGTgactatcgaaagtcagg
DLGAP1_MIP_25	agtctaaagccttctcaaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTaataggttccacaagatga
DLGAP1_MIP_26	gatttaacattctatttttCTTCAGCTTCCCGATATCCGACGGTAGTGTatggaatttcatcatctt
DLGAP1_MIP_27	gatttaacattctatttttCTTCAGCTTCCCGATATCCGACGGTAGTGTatggaatttcatcatctt
DLGAP1_MIP_28	cttctctatgattgccgaCTTCAGCTTCCCGATATCCGACGGTAGTGTcctttccatagcccaga
DLGAP1_MIP_29	gcaattctggcctatggaaggCTTCAGCTTCCCGATATCCGACGGTAGTGTcggcaatcatagagag

DLGAP1_MIP_30	ccatggcctggctcatgttcacCTTCAGCTTCCCGATATCCGACGGTAGTGTgccaagactagaaccag
DLGAP1_MIP_31	gccagctacctgcaggtaccatttCTTCAGCTTCCCGATATCCGACGGTAGTGTcgctgctgaagaagagc
DLGAP1_MIP_32	gtaggcctccaggaagtactgtgaCTTCAGCTTCCCGATATCCGACGGTAGTGTgctggtgaggaccagg
DLGAP1_MIP_33	ggagcaacaacacagctcaagtCTTCAGCTTCCCGATATCCGACGGTAGTGTggatggtgacatgtgcatc
DLGAP1_MIP_34	gcgcccgcctcgcctcgtcaggCTTCAGCTTCCCGATATCCGACGGTAGTGTcccagggggcgtggt
DLGAP1_MIP_35	ggcaaacgcagcaagagcaagCTTCAGCTTCCCGATATCCGACGGTAGTGTcggccgcatccgccact
DLGAP1_MIP_36	gaactggtccagcaggtggcCTTCAGCTTCCCGATATCCGACGGTAGTGTtggtaagagcttctgga
DLGAP1_MIP_37	gatggctatcacacctgcagtaCTTCAGCTTCCCGATATCCGACGGTAGTGTaggcactacacctgca
DLGAP1_MIP_38	gggtggtgctccactgggctcaCTTCAGCTTCCCGATATCCGACGGTAGTGTctcgtccttcagctcttg
DLGAP1_MIP_39	caccagcggaaactcctccagCTTCAGCTTCCCGATATCCGACGGTAGTGTtatcaggcagccgagcc
DLGAP1_MIP_40	aagaaaaggcgaagtctaacCTTCAGCTTCCCGATATCCGACGGTAGTGTaggtagcccggtgga
SCN1B_MIP_1	gtggcgtcgggacacgggCTTCAGCTTCCCGATATCCGACGGTAGTGTgagggggcgcagcacgcgc
SCN1B_MIP_2	gcgctgctgccccctcCTTCAGCTTCCCGATATCCGACGGTAGTGTccccgtgccgagccac
SCN1B_MIP_3	gatgacctcaaaattcttgcCTTCAGCTTCCCGATATCCGACGGTAGTGTggtttgtaggggtctgg
SCN1B_MIP_4	cggtctcagagttcacctccaCTTCAGCTTCCCGATATCCGACGGTAGTGTccgcacaccttgcaaac
SCN1B_MIP_5	gttaataatagtctgtgattctCTTCAGCTTCCCGATATCCGACGGTAGTGTagtggacctccgca
SCN1B_MIP_6	ggcagccgggacccaagaCTTCAGCTTCCCGATATCCGACGGTAGTGTggtcaggttaaggaagagag
SCN1B_MIP_7	gctcatcctccagctgcaacCTTCAGCTTCCCGATATCCGACGGTAGTGTtagcagcagcagctagacg
SCN1B_MIP_8	gctcctgcccccttaccgtCTTCAGCTTCCCGATATCCGACGGTAGTGTaatgtcaccaaccact
SCN1B_MIP_9	gctggtgtgctcgtagtttCTTCAGCTTCCCGATATCCGACGGTAGTGTgagccagcctcctct
SCN1B_MIP_10	gcctctgttccctcagcccaCTTCAGCTTCCCGATATCCGACGGTAGTGTggagagccagatggaggg
SCN1B_MIP_11	gcctctgttctcagcccaCTTCAGCTTCCCGATATCCGACGGTAGTGTggagagccagatggaggg
SCN1B_MIP_12	ctggagtggcagggggctCTTCAGCTTCCCGATATCCGACGGTAGTGTctcagagacagaaggacc
SCN1B_MIP_13	atgaggattgagcagctgcaCTTCAGCTTCCCGATATCCGACGGTAGTGTcacctgtgctgatgacct
SCN1B_MIP_14	attactgctcaagaagatcgtCTTCAGCTTCCCGATATCCGACGGTAGTGTgacagctggctacc
SCN1B_MIP_15	agccatagtgtcaaccacCTTCAGCTTCCCGATATCCGACGGTAGTGTtctcctctggcaagtgtga
SCN1B_MIP_16	gatggctggcagaggggaaggCTTCAGCTTCCCGATATCCGACGGTAGTGTgggtcgtgctgatgatg
SCN1B_MIP_17	catcatcagaccgaccaacccccCTTCAGCTTCCCGATATCCGACGGTAGTGTccctctgcccagccatc
OTX1_MIP_1	caccagcctcccagcctcCTTCAGCTTCCCGATATCCGACGGTAGTGTgctggggcgcctccacc
OTX1_MIP_2	gggtggggcggcggcCTTCAGCTTCCCGATATCCGACGGTAGTGTcagggctgggagggctggtg
OTX1_MIP_3	gacatcttatcggggaggaggtCTTCAGCTTCCCGATATCCGACGGTAGTGTaccaatgaccgcggc
OTX1_MIP_4	gggtagcagcttggcgaagCTTCAGCTTCCCGATATCCGACGGTAGTGTgacctctagacctccc
OTX1_MIP_5	caagaagaagctcctccagctcCTTCAGCTTCCCGATATCCGACGGTAGTGTcaacaagctcccctagc
OTX1_MIP_6	ggcggctcttggctccgctcCTTCAGCTTCCCGATATCCGACGGTAGTGTccgctgggtggcggaga
OTX1_MIP_7	atctatctggagccggcctccCTTCAGCTTCCCGATATCCGACGGTAGTGTctgtgtccagctctgct
OTX1_MIP_8	ccaccgggtcccactagtctCTTCAGCTTCCCGATATCCGACGGTAGTGTcacaacaggggttgctca
OTX1_MIP_9	gccctccttctactttgCTTCAGCTTCCCGATATCCGACGGTAGTGTgcccggaccattggccgcg
OTX1_MIP_10	ggtagccttggcgtgagctcCTTCAGCTTCCCGATATCCGACGGTAGTGTggtgtagatgattggccc
OTX1_MIP_11	accaccaccacaaggctacgCTTCAGCTTCCCGATATCCGACGGTAGTGTcatgcactcaaccac
OTX1_MIP_12	gtggtggtggcctgaggactCTTCAGCTTCCCGATATCCGACGGTAGTGTggggagttgaagttagtt
OTX1_MIP_13	ggagaagaacgcaactacgtCTTCAGCTTCCCGATATCCGACGGTAGTGTgattacaaggagcctggc
SCN2A_MIP_1	ccaacaggaacgcaagatgaCTTCAGCTTCCCGATATCCGACGGTAGTGTtaaaggagcagatgaa
SCN2A_MIP_2	caatgctgttcaatagcagCTTCAGCTTCCCGATATCCGACGGTAGTGTcatctctgaggaatgtct
SCN2A_MIP_3	actgctattactaattggttcCTTCAGCTTCCCGATATCCGACGGTAGTGTacttgggaagcagga
SCN2A_MIP_4	cctattagaanaattagctattCTTCAGCTTCCCGATATCCGACGGTAGTGTtctaataatattctaagt
SCN2A_MIP_5	aatgtaaaggcaggggtgCTTCAGCTTCCCGATATCCGACGGTAGTGTtagatatttggaaaatgtg
SCN2A_MIP_6	actggacaaagaatgtagctCTTCAGCTTCCCGATATCCGACGGTAGTGTtggtagtcataaagtaa
SCN2A_MIP_7	cacagttgtaagaatcgtcCTTCAGCTTCCCGATATCCGACGGTAGTGTaaagaanaattgaggagct
SCN2A_MIP_8	gttgatttcacagtcattactCTTCAGCTTCCCGATATCCGACGGTAGTGTaatgtgagcttggctat
SCN2A_MIP_9	atccgtaaaaatgtgaaatctcCTTCAGCTTCCCGATATCCGACGGTAGTGTtctgcaaggcaagcc
SCN2A_MIP_10	gtcttgagagcttgaactCTTCAGCTTCCCGATATCCGACGGTAGTGTtaaaaaggtcttgatgaa
SCN2A_MIP_11	gaaagtccaagagctgaacatCTTCAGCTTCCCGATATCCGACGGTAGTGTtaggggttcacacaca
SCN2A_MIP_12	caccgagctgacttagctcaCTTCAGCTTCCCGATATCCGACGGTAGTGTgtgtgtaacccccatta
SCN2A_MIP_13	gttcatgggcaactacgaaCTTCAGCTTCCCGATATCCGACGGTAGTGTccccctctgatttgttg
SCN2A_MIP_14	actgcaatcattagcgcaCTTCAGCTTCCCGATATCCGACGGTAGTGTgctcactgtcctattgaaa
SCN2A_MIP_15	gttctctaaatataatattctCTTCAGCTTCCCGATATCCGACGGTAGTGTcacttctctttaa
SCN2A_MIP_16	gtgtcaataacctgccactCTTCAGCTTCCCGATATCCGACGGTAGTGTtctattcttctttaa
SCN2A_MIP_17	aatcctgtaaaacactcagccCTTCAGCTTCCCGATATCCGACGGTAGTGTggactgaaactagtagg
SCN2A_MIP_18	gtccttattctctcagctCTTCAGCTTCCCGATATCCGACGGTAGTGTcctgttattgacttctt
SCN2A_MIP_19	ggggttctaccgcttcaCTTCAGCTTCCCGATATCCGACGGTAGTGTtatgattctcagaaaaatga
SCN2A_MIP_20	aggaacagaatcaggccacatCTTCAGCTTCCCGATATCCGACGGTAGTGTaaatctctctccatttg
SCN2A_MIP_21	ataggcattggccaccagcCTTCAGCTTCCCGATATCCGACGGTAGTGTaaacaaggacgctatgc
SCN2A_MIP_22	gaaaaagagctgaaaaacagaagCTTCAGCTTCCCGATATCCGACGGTAGTGTacatacttggccctt
SCN2A_MIP_23	ggagctcaactagatgactctCTTCAGCTTCCCGATATCCGACGGTAGTGTaacggaaccttctctc
SCN2A_MIP_24	ccacaccaggtaaaaatataaaCTTCAGCTTCCCGATATCCGACGGTAGTGTgaaactgtggagaaga

SCN2A_MIP_25	atctctttcatatgtcagcctCTTCAGCTTCCCGATATCCGACGGTAGTGtactctgaaagcattgtgc
SCN2A_MIP_26	ggctctgagaatgactttgccCTTCAGCTTCCCGATATCCGACGGTAGTGtctctctcatctcattttg
SCN2A_MIP_27	gtcttgagagaaaaaggagccCTTCAGCTTCCCGATATCCGACGGTAGTGtggcacgaacagagagtct
SCN2A_MIP_28	atgcatagcctgtggactgCTTCAGCTTCCCGATATCCGACGGTAGTGtaccttggaggacaatgacag
SCN2A_MIP_29	cccattcatggcagagatggCTTCAGCTTCCCGATATCCGACGGTAGGTcacaactctctcaccatcag
SCN2A_MIP_30	gtattttgaccaacaccatggCTTCAGCTTCCCGATATCCGACGGTAGGTtcatctgaaattctacttc
SCN2A_MIP_31	aacatgataagaactggaccgCTTCAGCTTCCCGATATCCGACGGTAGGTtttcatcattaccaagca
SCN2A_MIP_32	acctggtgtaatggaccaCTTCAGCTTCCCGATATCCGACGGTAGGTggattctaacttttttctt
SCN2A_MIP_33	gtttcaccttaaccatggtttaCTTCAGCTTCCCGATATCCGACGGTAGGTcagacagtacactgctg
SCN2A_MIP_34	gagttataattgcttagtgaacCTTCAGCTTCCCGATATCCGACGGTAGGTcaccatctgcattgtct
SCN2A_MIP_35	ccttagtttaatggaactgCTTCAGCTTCCCGATATCCGACGGTAGGTataatgaaactactctca
SCN2A_MIP_36	atccatggcaattatcttgagaCTTCAGCTTCCCGATATCCGACGGTAGGTgtaattaccagccgga
SCN2A_MIP_37	catcattataatattttgaatCTTCAGCTTCCCGATATCCGACGGTAGGTtttggcaaatgtggaag
SCN2A_MIP_38	catcgtctcatttttctgtCTTCAGCTTCCCGATATCCGACGGTAGGTcactgttctgtctttatt
SCN2A_MIP_39	ggccaataccaaggtgaggtCTTCAGCTTCCCGATATCCGACGGTAGGTcaggaaggatggaaaaagt
SCN2A_MIP_40	atgatggtcatggtgattggaatCTTCAGCTTCCCGATATCCGACGGTAGGTcagcctgacacatgca
SCN2A_MIP_41	gtttggccagcactccatCTTCAGCTTCCCGATATCCGACGGTAGGTacaaaatattctcagtga
SCN2A_MIP_42	atgcagaagaatcgattttgCTTCAGCTTCCCGATATCCGACGGTAGGTgtttttctcgtctgttt
SCN2A_MIP_43	cccacagcaatctggagattCTTCAGCTTCCCGATATCCGACGGTAGGTcagcgtctttttattatt
SCN2A_MIP_44	gaaaaatatgctggtggaagCTTCAGCTTCCCGATATCCGACGGTAGGTaaaccgcttgaagatct
SCN2A_MIP_45	gctgcctatgccactagtagtCTTCAGCTTCCCGATATCCGACGGTAGGTctgctgaattcttcagtat
SCN2A_MIP_46	cagggttttaaatgctgCTTCAGCTTCCCGATATCCGACGGTAGGTgagaatctgactttgaaaa
SCN2A_MIP_47	cctgtttacagaagtaagcCTTCAGCTTCCCGATATCCGACGGTAGGTgttttttggggattgat
SCN2A_MIP_48	gggagctcaaatcaaccgCTTCAGCTTCCCGATATCCGACGGTAGGTataaataggaaaaatgggt
SCN2A_MIP_49	aactctggtggaattgaggaCTTCAGCTTCCCGATATCCGACGGTAGGTaatgaatccccaccaaca
SCN2A_MIP_50	gcttatctgacaacactgaaactCTTCAGCTTCCCGATATCCGACGGTAGGTatcacctaccagagccc
SCN2A_MIP_51	atgagaagaatatgtgtgacgtCTTCAGCTTCCCGATATCCGACGGTAGGTtattctgctgagcagt
SCN2A_MIP_52	gttgcatatggtttcaagtgtCTTCAGCTTCCCGATATCCGACGGTAGGTaatgaaatttttgactt
SCN2A_MIP_53	gtgaaaacctgtgcatattCTTCAGCTTCCCGATATCCGACGGTAGGTgaaataagcagcaaatg
SCN2A_MIP_54	cggtttgaaggatgaggttaCTTCAGCTTCCCGATATCCGACGGTAGGTaaaattgtgtgcttttc
SCN2A_MIP_55	gacaaagctctcagtgccctCTTCAGCTTCCCGATATCCGACGGTAGGTtcagatgaatgtgtaagac
SCN2A_MIP_56	gctggcaagtttaccattgtCTTCAGCTTCCCGATATCCGACGGTAGGTtatttttctctcactct
SCN2A_MIP_57	gagattcactccatgatactgCTTCAGCTTCCCGATATCCGACGGTAGGTtccattttccactg
SCN2A_MIP_58	gagtctaaagtttttctctcctCTTCAGCTTCCCGATATCCGACGGTAGGTattgagagcaatcaaac
SCN2A_MIP_59	atattgtaatttagtgatCTTCAGCTTCCCGATATCCGACGGTAGGTgaaaaatgatgacttttct
SCN2A_MIP_60	gaaaagtcatatcattttcttttCTTCAGCTTCCCGATATCCGACGGTAGGTactaaattacaatatt
SCN2A_MIP_61	catagataactcaaccaacagCTTCAGCTTCCCGATATCCGACGGTAGGTtacaattctcatattc
SCN2A_MIP_62	gattcaaggtaaagaatgaaccaCTTCAGCTTCCCGATATCCGACGGTAGGTattgcattttggaggct
SCN2A_MIP_63	catacctcgacctgctgaaCTTCAGCTTCCCGATATCCGACGGTAGGTgcaaaagcacaatttaac
SCN2A_MIP_64	gtatttctctgttctctgtcaCTTCAGCTTCCCGATATCCGACGGTAGGTtagaaattcgggctgtg
SCN2A_MIP_65	ggaaccgatgaccagagtcCTTCAGCTTCCCGATATCCGACGGTAGGTtctaatggaactttatcat
SCN2A_MIP_66	ggtgacctgttaaggcagaCTTCAGCTTCCCGATATCCGACGGTAGGTtagtgaatagtagaacgaa
SCN2A_MIP_67	ggtaaagaagggtgctttattCTTCAGCTTCCCGATATCCGACGGTAGGTctggattaatctggtgtt
SCN2A_MIP_68	caccacaaatcaaaaatttctcCTTCAGCTTCCCGATATCCGACGGTAGGTtttgggagttgggatg
SCN2A_MIP_69	caggattggcgaatcctactCTTCAGCTTCCCGATATCCGACGGTAGGTtaaaattcatttgcacta
SCN2A_MIP_70	gatcactcggaacaggtaggCTTCAGCTTCCCGATATCCGACGGTAGGTaatcatgaccagaaaagaa
SCN2A_MIP_71	cctttggcaacagcatgactgCTTCAGCTTCCCGATATCCGACGGTAGGTtcccttctgctgtttt
SCN2A_MIP_72	atcccaacttccctttaacatCTTCAGCTTCCCGATATCCGACGGTAGGTgtagggctcagactcgg
SCN2A_MIP_73	cctggttggtgaaacatgtCTTCAGCTTCCCGATATCCGACGGTAGGTtagcacattcttaatagtg
SCN2A_MIP_74	aagaaaatccaacagatgggCTTCAGCTTCCCGATATCCGACGGTAGGTagaacatctcaaagtcatc
SCN2A_MIP_75	cctcttctcatgacaaaaccaCTTCAGCTTCCCGATATCCGACGGTAGGTagaagtgcagagcctct
SCN2A_MIP_76	atccagggcatctgcaaaatcaCTTCAGCTTCCCGATATCCGACGGTAGGTcacttccacaaaacac
SCN2A_MIP_77	caaagtctctatgagccattacCTTCAGCTTCCCGATATCCGACGGTAGGTgtgagtggtgaccgga
SCN2A_MIP_78	gaatcgtcttccatctgtaCTTCAGCTTCCCGATATCCGACGGTAGGTcttttaacttttgcctca
SCN2A_MIP_79	caactccagagaaaaccgatCTTCAGCTTCCCGATATCCGACGGTAGGTgcttacagacgctacctc
SCN2A_MIP_80	attctcattcagttatcaatCTTCAGCTTCCCGATATCCGACGGTAGGTctgatatttccctttgt
SCN2A_MIP_81	actcccacagggtctatgcCTTCAGCTTCCCGATATCCGACGGTAGGTaaagacaaatcagaaaagg
ADAM23_MIP_1	ccccggccgcacgcccctCTTCAGCTTCCCGATATCCGACGGTAGGTcggcggccggagctatga
ADAM23_MIP_2	gctggcaggcaccagcggcCTTCAGCTTCCCGATATCCGACGGTAGGTcgcaaaaggcaggggcat
ADAM23_MIP_3	gaaagaaatcacactgcttcaagCTTCAGCTTCCCGATATCCGACGGTAGGTacccttaccctccac
ADAM23_MIP_4	caatgtattgtcttcatctgccCTTCAGCTTCCCGATATCCGACGGTAGGTtgcctttgtgcaagaa
ADAM23_MIP_5	gaatctgagttcacaattttactCTTCAGCTTCCCGATATCCGACGGTAGGTcggaagcccttatca
ADAM23_MIP_6	cagggtcaataaagctttgtCTTCAGCTTCCCGATATCCGACGGTAGGTcttctgtcttttgaatcc
ADAM23_MIP_7	gattcaaaaagacagaagaacctCTTCAGCTTCCCGATATCCGACGGTAGGTtagcttattgacctgc
ADAM23_MIP_8	gttaccggctcgcaagtaCTTCAGCTTCCCGATATCCGACGGTAGGTgattgttttaacctccaa

ADAM23_MIP_9	gacacttggaggtttaaaaaaatCTTCAGCTTCCCGATATCCGACGGTAGTGTgacttccgacgcgcg
ADAM23_MIP_10	gtggctctgtcaacctgcaatCTTCAGCTTCCCGATATCCGACGGTAGTGTtttttctttatggaagca
ADAM23_MIP_11	cgctctgatgtctccatggtCTTCAGCTTCCCGATATCCGACGGTAGTGTgcacggaagagctactaaa
ADAM23_MIP_12	gcaactttgtcttggagaagaaCTTCAGCTTCCCGATATCCGACGGTAGTGTgtgtggttctctttgtg
ADAM23_MIP_13	gcacaaaagaaccacacaaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTctctcaaaagacaaagt
ADAM23_MIP_14	gcaaatgaagaatctcagtaagCTTCAGCTTCCCGATATCCGACGGTAGTGTaaagtccaacactgtt
ADAM23_MIP_15	aggttttctggattatatgtggtCTTCAGCTTCCCGATATCCGACGGTAGTGTtccacttccaacaagcc
ADAM23_MIP_16	cctattttactcaatgaagtcCTTCAGCTTCCCGATATCCGACGGTAGTGTattttgactaacttttcc
ADAM23_MIP_17	cagaaaaggaaaaatagatctCTTCAGCTTCCCGATATCCGACGGTAGTGTcactgacttctaggta
ADAM23_MIP_18	gtaagaatatagagtcagtggtCTTCAGCTTCCCGATATCCGACGGTAGTGTtagtgagcactagagaga
ADAM23_MIP_19	gttttggatcattaaacatCTTCAGCTTCCCGATATCCGACGGTAGTGTaaatcaagtcaactaatatg
ADAM23_MIP_20	gtccaagatggaatggttaCTTCAGCTTCCCGATATCCGACGGTAGTGTggcagtgactggtatgta
ADAM23_MIP_21	aatacataccagtcactgccCTTCAGCTTCCCGATATCCGACGGTAGTGTaaaccattccacttggc
ADAM23_MIP_22	gttctcaaaataccggcagcgCTTCAGCTTCCCGATATCCGACGGTAGTGTactgtctgtgtatacc
ADAM23_MIP_23	gagcatctgcacagggtggtCTTCAGCTTCCCGATATCCGACGGTAGTGTgaaccaaaaaaggataa
ADAM23_MIP_24	atctttgcatctgttcttttCTTCAGCTTCCCGATATCCGACGGTAGTGTatagactgctttttct
ADAM23_MIP_25	gaaaaagcagtgctatcagaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTgaacagatgcaaatgta
ADAM23_MIP_26	actgaccttctactatttcaCTTCAGCTTCCCGATATCCGACGGTAGTGTctccacacacttcaa
ADAM23_MIP_27	agagttgaaagtgtgtggagCTTCAGCTTCCCGATATCCGACGGTAGTGTgaaaaatgagtaagaaggt
ADAM23_MIP_28	cttttgcataaattgctgtCTTCAGCTTCCCGATATCCGACGGTAGTGTtcttttctcttttct
ADAM23_MIP_29	agaagaaaaaggaaacaaagaCTTCAGCTTCCCGATATCCGACGGTAGTGTacacagcaattttgcaaa
ADAM23_MIP_30	cctttcaacaggccaacaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTctgatgattgcttttgta
ADAM23_MIP_31	ggctccactctctgtgtaaCTTCAGCTTCCCGATATCCGACGGTAGTGTacaagaacctgctttcc
ADAM23_MIP_32	atcttactgtgcaaacaggCTTCAGCTTCCCGATATCCGACGGTAGTGTccctctgtcctaactctc
ADAM23_MIP_33	gagattaggacagagaaggaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTgtttgcaccaagtaagat
ADAM23_MIP_34	gtttctgacagtttcatcttctCTTCAGCTTCCCGATATCCGACGGTAGTGTgctcttcgctactcac
ADAM23_MIP_35	acacttcacgtgagtaagcgCTTCAGCTTCCCGATATCCGACGGTAGTGTtaaaagaagatgaaactg
ADAM23_MIP_36	catttactgtacaggttggtCTTCAGCTTCCCGATATCCGACGGTAGTGTatattgaattttgattt
ADAM23_MIP_37	caaatcaaaattcaatataagaCTTCAGCTTCCCGATATCCGACGGTAGTGTactgtacaagtaaaat
ADAM23_MIP_38	gtaatttaaaaggattcatCTTCAGCTTCCCGATATCCGACGGTAGTGTattatctgaagttacctagc
ADAM23_MIP_39	cagcatgtagtaccttcaCTTCAGCTTCCCGATATCCGACGGTAGTGTtttcaatgaactctttta
ADAM23_MIP_40	cattttcttaatagtttcttctCTTCAGCTTCCCGATATCCGACGGTAGTGTgctccacatgtgtgc
ADAM23_MIP_41	gggacaggagcacacatgtCTTCAGCTTCCCGATATCCGACGGTAGTGTgcagagaagaacactattaa
ADAM23_MIP_42	agtgtcagctctaaggccaCTTCAGCTTCCCGATATCCGACGGTAGTGTctctcttgcctatctccaa
ADAM23_MIP_43	ggagataggcaagagaagaaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTcttagagtgaccactca
ADAM23_MIP_44	gggtgattgactgcaggttaaCTTCAGCTTCCCGATATCCGACGGTAGTGTtctgttttttctttacac
ADAM23_MIP_45	gcctgatggtagaaggaagtCTTCAGCTTCCCGATATCCGACGGTAGTGTcttctctgtgaaaaact
ADAM23_MIP_46	gccctaaatatgagcagctgtCTTCAGCTTCCCGATATCCGACGGTAGTGTatgggtatctttctgttt
ADAM23_MIP_47	gaattgtagcacttccgctCTTCAGCTTCCCGATATCCGACGGTAGTGTattaagttccagcactgt
ADAM23_MIP_48	cccaagggttgggtatcttCTTCAGCTTCCCGATATCCGACGGTAGTGTccatctgttctcttttct
ADAM23_MIP_49	ggggtgaagttcctaactgCTTCAGCTTCCCGATATCCGACGGTAGTGTcagatattctatgtgtctc
ADAM23_MIP_50	gccgatgtcttctctcagCTTCAGCTTCCCGATATCCGACGGTAGTGTatgactctctccatgat
ADAM23_MIP_51	gatcatgggaagagatcatatCTTCAGCTTCCCGATATCCGACGGTAGTGTgagaagaagacatcgcg
ADAM23_MIP_52	cagcagtggtactggaactattCTTCAGCTTCCCGATATCCGACGGTAGTGTtcttcttactcactctg
ADAM23_MIP_53	ccagagtgagtcaaaagaagatCTTCAGCTTCCCGATATCCGACGGTAGTGTagtccagtaaacactgct
EPHA6_MIP_1	cctggacctctgctcttctCTTCAGCTTCCCGATATCCGACGGTAGTGTccaagtgaatgctctcg
EPHA6_MIP_2	gcaggtgcagctgcttccgagCTTCAGCTTCCCGATATCCGACGGTAGTGTgtaggggtctctgtccac
EPHA6_MIP_3	gggctgcaagtcgggaattCTTCAGCTTCCCGATATCCGACGGTAGTGTgggtggagggaagagg
EPHA6_MIP_4	ggctctcttctctctctctctctCTTCAGCTTCCCGATATCCGACGGTAGTGTcggcctctctacc
EPHA6_MIP_5	actggttgcctctgaggtCTTCAGCTTCCCGATATCCGACGGTAGTGTaatttggtttctcttctct
EPHA6_MIP_6	gtcttttttagatttttaagatCTTCAGCTTCCCGATATCCGACGGTAGTGTagaattcatggaatttt
EPHA6_MIP_7	aattaaatagaaaaataaaattCTTCAGCTTCCCGATATCCGACGGTAGTGTactattaggagatctta
EPHA6_MIP_8	cccgtgatgagctcagaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTattacttttctcttctg
EPHA6_MIP_9	atccagttgtacgaagcagctCTTCAGCTTCCCGATATCCGACGGTAGTGTggactcactgattccat
EPHA6_MIP_10	atcgcatctcaaaactcaacCTTCAGCTTCCCGATATCCGACGGTAGTGTctgcaaaagaacattaat
EPHA6_MIP_11	cccaaatccatctgggtaaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTattctgtgaaaaacacg
EPHA6_MIP_12	cctctttggttgaagtacggCTTCAGCTTCCCGATATCCGACGGTAGTGTgattttatctggctttcaa
EPHA6_MIP_13	ggaatcaaccttggaaatgtaCTTCAGCTTCCCGATATCCGACGGTAGTGTcatatctgtactgcaga
EPHA6_MIP_14	aaaaagtttatttttaaatCTTCAGCTTCCCGATATCCGACGGTAGTGTggagctgatggagattggc
EPHA6_MIP_15	aagggttatttccgagctgaCTTCAGCTTCCCGATATCCGACGGTAGTGTaaagtgtttttctcttt
EPHA6_MIP_16	ccatgtatgttaaactgtgtgCTTCAGCTTCCCGATATCCGACGGTAGTGTaaaagacaaaagggtt
EPHA6_MIP_17	gacacaggagggaagaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTgccataattcattgtcctat
EPHA6_MIP_18	ggtggctcattcaaaaatCTTCAGCTTCCCGATATCCGACGGTAGTGTtggatgagcctgtatg
EPHA6_MIP_19	agtttttctccaagcattcaCTTCAGCTTCCCGATATCCGACGGTAGTGTgtggaggagactccg
EPHA6_MIP_20	aagggttaattcagtgagacCTTCAGCTTCCCGATATCCGACGGTAGTGTaaagaattatgggtctg

EPHA6_MIP_21	cattctggactacgagatcaaCTTCAGCTTCCCGATATCCGACGGTAGTGTtctctgccaattaattctt
EPHA6_MIP_22	caggtgcttccatgataggtCTTCAGCTTCCCGATATCCGACGGTAGTGTaatatagataaacgacatgc
EPHA6_MIP_23	cacatccgagtgagaactgcCTTCAGCTTCCCGATATCCGACGGTAGTGTaactctgtttcattctctt
EPHA6_MIP_24	gctttggaccttggaagagCTTCAGCTTCCCGATATCCGACGGTAGTGTgaaactacttcatctcc
EPHA6_MIP_25	gtgtccaagtttttaagcttgCTTCAGCTTCCCGATATCCGACGGTAGTGTacaggatacagtggt
EPHA6_MIP_26	caggctccaatgatgtctCTTCAGCTTCCCGATATCCGACGGTAGTGTctcttggttcattatattcc
EPHA6_MIP_27	gaaccaagagaaaataatagactCTTCAGCTTCCCGATATCCGACGGTAGTGTgactctggattggccc
EPHA6_MIP_28	actttattcttctgatcactggCTTCAGCTTCCCGATATCCGACGGTAGTGTgtgaaatgcaccagg
EPHA6_MIP_29	aggatgacgaggagagtgaatccCTTCAGCTTCCCGATATCCGACGGTAGTGTcctcaggtgtcttgt
EPHA6_MIP_30	cgcaggactttcttctcattCTTCAGCTTCCCGATATCCGACGGTAGTGTtgtatgcatcactctt
EPHA6_MIP_31	gaagtatgatcacaatgcaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTagaagctctgcgct
EPHA6_MIP_32	cctcaagaatcgattagagagCTTCAGCTTCCCGATATCCGACGGTAGTGTctcaaaactaatcaat
EPHA6_MIP_33	cctttgcaaattcatggactgCTTCAGCTTCCCGATATCCGACGGTAGTGTgccaagatttaagatagt
EPHA6_MIP_34	actttgaaaggtggccacatgCTTCAGCTTCCCGATATCCGACGGTAGTGTactcttctgaaatgtaagt
EPHA6_MIP_35	gatctctctttccctggtctCTTCAGCTTCCCGATATCCGACGGTAGTGTtttgggtgacaacctt
EPHA6_MIP_36	attaaaggaataacttagttcagCTTCAGCTTCCCGATATCCGACGGTAGTGTccaacatcattcgct
EPHA6_MIP_37	catccagtgccagggggaggCTTCAGCTTCCCGATATCCGACGGTAGTGTgcttttcataaagaagac
EPHA6_MIP_38	ggggcctggatgctattaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTtcatttgtattggggcc
EPHA6_MIP_39	gttctatatttaactattatcaCTTCAGCTTCCCGATATCCGACGGTAGTGTgtatctcttctct
EPHA6_MIP_40	gttaagagataaccagctggCTTCAGCTTCCCGATATCCGACGGTAGTGTaacaccttaccgcaaaa
EPHA6_MIP_41	gatatgggttattgtctcagCTTCAGCTTCCCGATATCCGACGGTAGTGTgcacacactgcatataaa
EPHA6_MIP_42	gaaagatactcatgctgatgCTTCAGCTTCCCGATATCCGACGGTAGTGTtgggtataagcagcttc
EPHA6_MIP_43	ccttctaattttctgtgtaCTTCAGCTTCCCGATATCCGACGGTAGTGTtggctctccagagtgct
EPHA6_MIP_44	aagacatagcctacaccaaCTTCAGCTTCCCGATATCCGACGGTAGTGTgataaattacagttctgta
EPHA6_MIP_45	gttaacagaactgtaattatgcaCTTCAGCTTCCCGATATCCGACGGTAGTGTgggtgtaggctatgct
EPHA6_MIP_46	gtcatgtcctatggagagagaCTTCAGCTTCCCGATATCCGACGGTAGTGTgactaagaaatccaatt
EPHA6_MIP_47	cccacatgacaatgcatagcCTTCAGCTTCCCGATATCCGACGGTAGTGTgaggacaaaaggcataat
EPHA6_MIP_48	gaaggagagaaatcacagaccCTTCAGCTTCCCGATATCCGACGGTAGTGTgctcaaaaaaagagagt
EPHA6_MIP_49	gccagcagtgaggactcagcCTTCAGCTTCCCGATATCCGACGGTAGTGTaaaaaacacattatgcc
EPHA6_MIP_50	ctggcagcagggtttcaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTctcatgtttttgttt
EPHA6_MIP_51	agttattctgtattgccccatCTTCAGCTTCCCGATATCCGACGGTAGTGTggtgtctgtatagca
EPHA6_MIP_52	gtatgaaagtaccacaagcaccCTTCAGCTTCCCGATATCCGACGGTAGTGTtctctctcttctt
EPHA6_MIP_53	gaaatccctctctctgtatgCTTCAGCTTCCCGATATCCGACGGTAGTGTgctgcaacagaagactg
CPLX1_MIP_1	caggatgctctctctctctctCTTCAGCTTCCCGATATCCGACGGTAGTGTtccctcagggcctcc
CPLX1_MIP_2	caggacatgctcaagaagtagccCTTCAGCTTCCCGATATCCGACGGTAGTGTatggaggccaactccga
CPLX1_MIP_3	ccggcgggccgagcctctctCTTCAGCTTCCCGATATCCGACGGTAGTGTcttcttggggccgctcaagc
CPLX1_MIP_4	ccttcttggcggctctgggtCTTCAGCTTCCCGATATCCGACGGTAGTGTaggcggggccggccggcg
CPLX1_MIP_5	aggagcgcaaggccaagtacCTTCAGCTTCCCGATATCCGACGGTAGTGTggtctgaatcaccactct
CPLX1_MIP_6	cagaactcacagcaagtgctCTTCAGCTTCCCGATATCCGACGGTAGTGTctgtgtgggtctctc
CPLX1_MIP_7	acatggagagaccacagcaCTTCAGCTTCCCGATATCCGACGGTAGTGTgccatacttgcgtgtgag
SLC1A3_MIP_1	gaacattacaaggaggatgtaCTTCAGCTTCCCGATATCCGACGGTAGTGTagaagagacctctag
SLC1A3_MIP_2	gactcctgctggaatctctctCTTCAGCTTCCCGATATCCGACGGTAGTGTaatcaaatgactacca
SLC1A3_MIP_3	cctaggcttctctgacttgaCTTCAGCTTCCCGATATCCGACGGTAGTGTcagtcaccctgctcatt
SLC1A3_MIP_4	gggaactctgatgagatgCTTCAGCTTCCCGATATCCGACGGTAGTGTtcttctgtttcaaaaag
SLC1A3_MIP_5	ggagaagtactgactcccCTTCAGCTTCCCGATATCCGACGGTAGTGTtctttgcaataaacacac
SLC1A3_MIP_6	catcatccatctgggaaggCTTCAGCTTCCCGATATCCGACGGTAGTGTatcttctgtttgctccac
SLC1A3_MIP_7	gacaatgattgccaatcaccacCTTCAGCTTCCCGATATCCGACGGTAGTGTacccaaaaggcgggc
SLC1A3_MIP_8	ccctcttccctgctcattCTTCAGCTTCCCGATATCCGACGGTAGTGTaaagtactattactctt
SLC1A3_MIP_9	caaagaaagtaatagtcactgCTTCAGCTTCCCGATATCCGACGGTAGTGTgagcagggaaaagagg
SLC1A3_MIP_10	gaatcacagaggagctgctCTTCAGCTTCCCGATATCCGACGGTAGTGTctgtgtcttttatttt
SLC1A3_MIP_11	agacacattgttatcacagcaCTTCAGCTTCCCGATATCCGACGGTAGTGTcctcatgtttccaatca
SLC1A3_MIP_12	ggtagcagtaataatgtgtatgCTTCAGCTTCCCGATATCCGACGGTAGTGTaatggagtaagctcc
SLC1A3_MIP_13	gtctcatgatggcttctgtaaCTTCAGCTTCCCGATATCCGACGGTAGTGTgagataactgcaattggcc
SLC1A3_MIP_14	ggcttactcattcacgagctcatCTTCAGCTTCCCGATATCCGACGGTAGTGTctgtgtgtcttctccc
SLC1A3_MIP_15	cccccaatcacacctgtcttctCTTCAGCTTCCCGATATCCGACGGTAGTGTgcttgcaaacctctt
SLC1A3_MIP_16	gggtgtaggagaagcatttCTTCAGCTTCCCGATATCCGACGGTAGTGTgaaaaaaccttgggtttt
SLC1A3_MIP_17	actgccctctatgagcttggCTTCAGCTTCCCGATATCCGACGGTAGTGTgacctattcactgtct
SLC1A3_MIP_18	cggggagcacgaatctggtgCTTCAGCTTCCCGATATCCGACGGTAGTGTatagacacttttctgtgac
SLC1A3_MIP_19	cttgaggccagagttcaagCTTCAGCTTCCCGATATCCGACGGTAGTGTtctggacaaattattacaat
SLC1A3_MIP_20	gctcatcatcgctggactCTTCAGCTTCCCGATATCCGACGGTAGTGTctgttctggtactctgtta
SLC1A3_MIP_21	gatgtctgctggcaggcCTTCAGCTTCCCGATATCCGACGGTAGTGTtctcagagttcttctgta
SLC1A3_MIP_22	gggtaactcagtgattgaagagCTTCAGCTTCCCGATATCCGACGGTAGTGTtttccctctcccacc
SLC1A3_MIP_23	cagttcatgtctgacaagtgCTTCAGCTTCCCGATATCCGACGGTAGTGTatgttagtctacatctg
SLC1A3_MIP_24	atcttcccttctctctctgtaCTTCAGCTTCCCGATATCCGACGGTAGTGTagaaacctatcgacag
GABRA1_MIP_1	gactggaagaagtgaggacCTTCAGCTTCCCGATATCCGACGGTAGTGTataacctgatgttcttgc

GABRA1_MIP_2	cctcatcgcggctggagcaCTTCAGCTTCCCGATATCCGACGGTAGTGTccccgataaaataaatgaaa
GABRA1_MIP_3	gattgggaggtaggttgcattCCTCAGCTTCCCGATATCCGACGGTAGTGTtattgcttcttattgttt
GABRA1_MIP_4	gtccaaatctggtgaagacCTTCAGCTTCCCGATATCCGACGGTAGTGTtttgaccatttagaggtaa
GABRA1_MIP_5	catgatatggaatggaactCTTCAGCTTCCCGATATCCGACGGTAGTGTcagatgtggtggtgaga
GABRA1_MIP_6	gaaacgggtccgaaactggtCTTCAGCTTCCCGATATCCGACGGTAGTGTcacaaaagtagccaaga
GABRA1_MIP_7	ggactccggacacatttttCCTCAGCTTCCCGATATCCGACGGTAGTGTcgtcattttccaaaattacc
GABRA1_MIP_8	gattttacttccattaggttattCCTCAGCTTCCCGATATCCGACGGTAGTGTgcagccatccttacc
GABRA1_MIP_9	ccttgtttcaaccttaacaatCCTCAGCTTCCCGATATCCGACGGTAGTGTtaggatggcaccttgcgt
GABRA1_MIP_10	acttttcttgattgaagtcttaCCTCAGCTTCCCGATATCCGACGGTAGTGTttgttattctatg
GABRA1_MIP_11	gggaaacatagaatacaacaCCTCAGCTTCCCGATATCCGACGGTAGTGTtaaatgacttaacaaga
GABRA1_MIP_12	acgtctaaaccagatgacctCCTCAGCTTCCCGATATCCGACGGTAGTGTtagagaattgaagtggtaaa
GABRA1_MIP_13	cgtgctgctctctgtccaCCTCAGCTTCCCGATATCCGACGGTAGTGTtcttcttccataactga
GABRA1_MIP_14	gtgattctctcacaagtctccCCTCAGCTTCCCGATATCCGACGGTAGTGTaaagtcaaatgtctcatct
GABRA1_MIP_15	gaataacaaagtagccaattcttCCTCAGCTTCCCGATATCCGACGGTAGTGTataccttcttgcgt
GABRA1_MIP_16	ggtttattgctgtgctatCCTCAGCTTCCCGATATCCGACGGTAGTGTcagatgaaactggcatca
GABRA1_MIP_17	ccatagctgtgcataagccCCTCAGCTTCCCGATATCCGACGGTAGTGTtaaaagcattacctttct
GABRA1_MIP_18	gtttggcctgtgattggCCTCAGCTTCCCGATATCCGACGGTAGTGTtccacagtaaaactttca
GABRA1_MIP_19	accctaattggccaggggCCTCAGCTTCCCGATATCCGACGGTAGTGTtccagcaattataatttgc
GABRA1_MIP_20	gctgttgctgtggagcgtCCTCAGCTTCCCGATATCCGACGGTAGTGTttgtgctgacactgtaaaagg
GABRA1_MIP_21	ctaaaagccccacacacatcCCTCAGCTTCCCGATATCCGACGGTAGTGTaccacagaaaccaagaa
GABRA1_MIP_22	gaggctctctgtttaaatacCCTCAGCTTCCCGATATCCGACGGTAGTGTtctttaaagcagaggcaa
GABRG2_MIP_1	gacggtgtgattctgctctCCTCAGCTTCCCGATATCCGACGGTAGTGTaaaggggagggtcttct
GABRG2_MIP_2	actgagcttctgtctccatCCTCAGCTTCCCGATATCCGACGGTAGTGTtccccaccttcccc
GABRG2_MIP_3	cctgagggtgatgctactgctCCTCAGCTTCCCGATATCCGACGGTAGTGTaaaagtcaactgtgtgta
GABRG2_MIP_4	catcatcagatttctggctagCCTCAGCTTCCCGATATCCGACGGTAGTGTaaacctctatcaggc
GABRG2_MIP_5	caaggaagattaaattatacttCCTCAGCTTCCCGATATCCGACGGTAGTGTcggaaagatagaca
GABRG2_MIP_6	gttgagagaaaaatgtatgCCTCAGCTTCCCGATATCCGACGGTAGTGTcatttctatgttctctta
GABRG2_MIP_7	gtgtgcacatagagaggtgcCCTCAGCTTCCCGATATCCGACGGTAGTGTcatgctaataaacagacaa
GABRG2_MIP_8	catggtgggaaatctggaCCTCAGCTTCCCGATATCCGACGGTAGTGTactgtgtacaaattctgt
GABRG2_MIP_9	ggtgctgttaaattcaaacCCTCAGCTTCCCGATATCCGACGGTAGTGTcattccaattctcagca
GABRG2_MIP_10	gttaggaagaaaacaacaaCCTCAGCTTCCCGATATCCGACGGTAGTGTcacttctcagaaattcca
GABRG2_MIP_11	actcctgcccttggagttCCTCAGCTTCCCGATATCCGACGGTAGTGTcatttaaaattgtgcaaat
GABRG2_MIP_12	gtgcaattgtaattggcactcagCCTCAGCTTCCCGATATCCGACGGTAGTGTtatgcttcttcaatta
GABRG2_MIP_13	ccttggcctccagagtagctCCTCAGCTTCCCGATATCCGACGGTAGTGTgttgtgtgtgtgttt
GABRG2_MIP_14	cagaagcgaaggctgtagtCCTCAGCTTCCCGATATCCGACGGTAGTGTgataatccagcttgggc
GABRG2_MIP_15	ataccaccgaagtagtgaagacCCTCAGCTTCCCGATATCCGACGGTAGTGTgagcttctctatctcag
GABRG2_MIP_16	gtgtgccacctcaacagaCCTCAGCTTCCCGATATCCGACGGTAGTGTataccaaaattcaactct
GABRG2_MIP_17	cctatcctgggtgtcttctgCCTCAGCTTCCCGATATCCGACGGTAGTGTaaaaggtgtatgtgtt
GABRG2_MIP_18	caatgagtgctcaggggataCCTCAGCTTCCCGATATCCGACGGTAGTGTatggacataaaaactctg
GABRG2_MIP_19	gtctcctatgtcacagcagatCCTCAGCTTCCCGATATCCGACGGTAGTGTcacagtgactcagttac
GABRG2_MIP_20	gggagcatttccgggcaatCCTCAGCTTCCCGATATCCGACGGTAGTGTtatcttctgcttctggtg
GABRG2_MIP_21	caggctaaggctcagcagttCCTCAGCTTCCCGATATCCGACGGTAGTGTattttgtcagcaaccgga
GABRG2_MIP_22	gtttatgagtagacatttaagCCTCAGCTTCCCGATATCCGACGGTAGTGTtctcttctgtctaca
GABRG2_MIP_23	gggtttgtagacagaaaagCCTCAGCTTCCCGATATCCGACGGTAGTGTgcttaaatgtctactcat
GABRG2_MIP_24	actgtgccagtttttctgctCCTCAGCTTCCCGATATCCGACGGTAGTGTtcttccacctctgctc
GABRG2_MIP_25	ccagacactcatagcctactCCTCAGCTTCCCGATATCCGACGGTAGTGTaaggcagtgaggaaag
GABRG2_MIP_26	gagagatgctgttctaagtccCCTCAGCTTCCCGATATCCGACGGTAGTGTgactcctatgctcga
GNAI1_MIP_1	caacctcgtgaggacggcgaCCTCAGCTTCCCGATATCCGACGGTAGTGTgattccccctgtcttggag
GNAI1_MIP_2	ggtcgatcatcttactcgtctCCTCAGCTTCCCGATATCCGACGGTAGTGTaaaccggaggccg
GNAI1_MIP_3	caccaaattgctgttaagttaCCTCAGCTTCCCGATATCCGACGGTAGTGTgtgtgtgggagtgaa
GNAI1_MIP_4	caactcccaacacacaaacCCTCAGCTTCCCGATATCCGACGGTAGTGTaaacagcaaatgtgtt
GNAI1_MIP_5	gttgaagatagacttggtagCCTCAGCTTCCCGATATCCGACGGTAGTGTtttttccctttgtctca
GNAI1_MIP_6	ccactgtttgtattgttacaCCTCAGCTTCCCGATATCCGACGGTAGTGTtcttttaccatcaggt
GNAI1_MIP_7	gtgaaagatagtggtgtacaCCTCAGCTTCCCGATATCCGACGGTAGTGTgacatcctttttac
GNAI1_MIP_8	ccagctagcacaagagttgCCTCAGCTTCCCGATATCCGACGGTAGTGTacttactatgctcagaatc
GNAI1_MIP_9	acattctgtacaacttaggataCCTCAGCTTCCCGATATCCGACGGTAGTGTcccagagtagcagct
GNAI1_MIP_10	gagtgaactacaggaattgtCCTCAGCTTCCCGATATCCGACGGTAGTGTggatgctttattggct
GNAI1_MIP_11	gttctgagaacatctgttagCCTCAGCTTCCCGATATCCGACGGTAGTGTtacctttttattctaa
GNAI1_MIP_12	ggttctagctgaagatgaagaCCTCAGCTTCCCGATATCCGACGGTAGTGTgttaactcattctctc
GNAI1_MIP_13	gtcactcagtgctacagaCCTCAGCTTCCCGATATCCGACGGTAGTGTcctgactttcaaatgtta
GNAI1_MIP_14	gaaaaaatcaaaaagagcccCCTCAGCTTCCCGATATCCGACGGTAGTGTgattgtttttttttct
GNAI1_MIP_15	ccactgtttacatagctgCCTCAGCTTCCCGATATCCGACGGTAGTGTgacaagttattccagga
GNAI1_MIP_16	actcactgtgccacagatCCTCAGCTTCCCGATATCCGACGGTAGTGTtaacttttgcatttatgt
GNAI1_MIP_17	ggtgtatattccttgtgtcCCTCAGCTTCCCGATATCCGACGGTAGTGTaaaatgactttaccatga
SEMA3A_MIP_1	ccttggccaggtttttctgCCTCAGCTTCCCGATATCCGACGGTAGTGTgaggttctagagtaagt



SEMA3A_MIP_2	caggacataccccagggaacagCTTCAGCTTCCCGATATCCGACGGTAGTGTtagcatgacacctagccag
SEMA3A_MIP_3	gggttaccttaagaagagtttgCTTCAGCTTCCCGATATCCGACGGTAGTGTtgcataagctctctgtac
SEMA3A_MIP_4	ggaagtcattgacacagagcaCTTCAGCTTCCCGATATCCGACGGTAGTGTtagagtgatgatcatatca
SEMA3A_MIP_5	attatgtgtgaggcacattttaCTTCAGCTTCCCGATATCCGACGGTAGTGTagaagcgcttgatctgt
SEMA3A_MIP_6	attctctctcagggtctgtggcCTTCAGCTTCCCGATATCCGACGGTAGTGTcagtcagtttcatctctg
SEMA3A_MIP_7	gggttagagaatagtagcacatCTTCAGCTTCCCGATATCCGACGGTAGTGTcttctctctgaatttc
SEMA3A_MIP_8	ccttattttcccttctagaaCTTCAGCTTCCCGATATCCGACGGTAGTGTtagcaggttgaagaatgaa
SEMA3A_MIP_9	atcttcaacctgctaagaccCTTCAGCTTCCCGATATCCGACGGTAGTGTgaagggaaaaataaggata
SEMA3A_MIP_10	ccgtaaatatcacaccggtgCTTCAGCTTCCCGATATCCGACGGTAGTGTataactagcaaacatttcat
SEMA3A_MIP_11	aaagcgtgtgctgagttgCTTCAGCTTCCCGATATCCGACGGTAGTGTtaagagaaacaagagatttaa
SEMA3A_MIP_12	ggtcaattagaacaccagcCTTCAGCTTCCCGATATCCGACGGTAGTGTgaaacaccagaattaacaa
SEMA3A_MIP_13	cattatgtattaccattgaatCTTCAGCTTCCCGATATCCGACGGTAGTGTatggcagtgcttgatgta
SEMA3A_MIP_14	gtcccaacatcttgaagaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTaagacgtacaactgaact
SEMA3A_MIP_15	gttcttaagtagttcaattctCTTCAGCTTCCCGATATCCGACGGTAGTGTtaaaaggaagaccgat
SEMA3A_MIP_16	cactattggcgattgttcaCTTCAGCTTCCCGATATCCGACGGTAGTGTtcggaaaaaagttttagc
SEMA3A_MIP_17	gaccgagtgatgcagaagatgCTTCAGCTTCCCGATATCCGACGGTAGTGTggaccttctgatgatgt
SEMA3A_MIP_18	cataattataaattataataaCTTCAGCTTCCCGATATCCGACGGTAGTGTctggatgacttctgtc
SEMA3A_MIP_19	gctatacatcacaccgctgCTTCAGCTTCCCGATATCCGACGGTAGTGTattttaaaccactaagctac
SEMA3A_MIP_20	gtgagaaagggtgtcttctgCTTCAGCTTCCCGATATCCGACGGTAGTGTtctaaagttaagaactcag
SEMA3A_MIP_21	gaatggcaaaagtctgaacaaatCTTCAGCTTCCCGATATCCGACGGTAGTGTggtagttaaaaagttact
SEMA3A_MIP_22	gtaacttttaactaccttaCTTCAGCTTCCCGATATCCGACGGTAGTGTtctcagactttgccattcc
SEMA3A_MIP_23	gtcattctgaaagaagggaacCTTCAGCTTCCCGATATCCGACGGTAGTGTacataaacactgacttct
SEMA3A_MIP_24	gggggcacagaagtctgctCTTCAGCTTCCCGATATCCGACGGTAGTGTtaggaacttttaaacatg
SEMA3A_MIP_25	gtatacttctcatctcagCTTCAGCTTCCCGATATCCGACGGTAGTGTcaaaagctgtatgggaaaat
SEMA3A_MIP_26	ccgtgaaaatgcaatagatggagCTTCAGCTTCCCGATATCCGACGGTAGTGTaatggtatttttatta
SEMA3A_MIP_27	cagctgcagttccagatgCTTCAGCTTCCCGATATCCGACGGTAGTGTtacacatggtacatgtcta
SEMA3A_MIP_28	ggggcgagactttgctatctCTTCAGCTTCCCGATATCCGACGGTAGTGTcataaacatgaaacttgcac
SEMA3A_MIP_29	gtgagttctccagcttaaaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTaagaacatacaactgcttt
SEMA3A_MIP_30	gaaaaacggcctgggaagagCTTCAGCTTCCCGATATCCGACGGTAGTGTacatgactcagactctc
SEMA3A_MIP_31	gcacattcttctgtaagacaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTtttaaaaaagcagcgt
SEMA3A_MIP_32	cagactcactgtacgctgCTTCAGCTTCCCGATATCCGACGGTAGTGTacaaatctgtccagcatg
SEMA3A_MIP_33	cacacaatctaagacagagaaCTTCAGCTTCCCGATATCCGACGGTAGTGTgaaacacttttgcacca
SEMA3A_MIP_34	ccagaagagatgaatgcaagtCTTCAGCTTCCCGATATCCGACGGTAGTGTtgaactttcttacttca
SEMA3A_MIP_35	cgcttctcatcaaaaaggaaCTTCAGCTTCCCGATATCCGACGGTAGTGTtatctataacttgagatgc
SEMA3A_MIP_36	gctgtatgtggagcaaggCTTCAGCTTCCCGATATCCGACGGTAGTGTtctcacataataaccaatg
SEMA3A_MIP_37	ccatgctgcagacgctgagCTTCAGCTTCCCGATATCCGACGGTAGTGTaaataaaagaaaaataagat
SEMA3A_MIP_38	ggattgtctgttttctggCTTCAGCTTCCCGATATCCGACGGTAGTGTatgaaactgacctaataca
ADAM22_MIP_1	gtaagttagccgtcctctgtgctCTTCAGCTTCCCGATATCCGACGGTAGTGTgaggagctgagcgtct
ADAM22_MIP_2	caggctcccagacacagagcagCTTCAGCTTCCCGATATCCGACGGTAGTGTgcccactcgggaaatgg
ADAM22_MIP_3	cctcatctaccgctcgggctCTTCAGCTTCCCGATATCCGACGGTAGTGTggtcattattttcgctttt
ADAM22_MIP_4	gaagcggtttctctctctctCTTCAGCTTCCCGATATCCGACGGTAGTGTgaccgacgtctcacct
ADAM22_MIP_5	agttgggtcccagtcgagtcagCTTCAGCTTCCCGATATCCGACGGTAGTGTggcgacctcggctggcc
ADAM22_MIP_6	gtgtgagttgacactgcttCTTCAGCTTCCCGATATCCGACGGTAGTGTgattagtagtgctgagtaa
ADAM22_MIP_7	aaggttatttatactcagccatCTTCAGCTTCCCGATATCCGACGGTAGTGTtctgacaaaagcaagtg
ADAM22_MIP_8	atttcctactgtgggaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTcgtgttttcatctttggg
ADAM22_MIP_9	atcccaaaaatgtaaacacgaaCTTCAGCTTCCCGATATCCGACGGTAGTGTtcccacaagtaggaaa
ADAM22_MIP_10	acttcagtaagttcaaaaagtCTTCAGCTTCCCGATATCCGACGGTAGTGTtagctgattctctctgtg
ADAM22_MIP_11	ggcatgtgacaatgcaacaCTTCAGCTTCCCGATATCCGACGGTAGTGTtccatccaactttaaagtc
ADAM22_MIP_12	aaatgtttatgctgagagcttCTTCAGCTTCCCGATATCCGACGGTAGTGTggccatgcttaattattt
ADAM22_MIP_13	aaaaaataataggcatggccaCTTCAGCTTCCCGATATCCGACGGTAGTGTaagctctcagcataaaca
ADAM22_MIP_14	catctggtatgatgtcatatagCTTCAGCTTCCCGATATCCGACGGTAGTGTtttgcttaaggctgga
ADAM22_MIP_15	caaacagctggattgttaaacCTTCAGCTTCCCGATATCCGACGGTAGTGTcagatgtgggctaagat
ADAM22_MIP_16	cagtggtgtgctgttattCTTCAGCTTCCCGATATCCGACGGTAGTGTagaactctgacaaatgcac
ADAM22_MIP_17	gtgcattgtcagattcttcaatCTTCAGCTTCCCGATATCCGACGGTAGTGTacacgacacaccactg
ADAM22_MIP_18	cctagggtaaaactggtgagCTTCAGCTTCCCGATATCCGACGGTAGTGTgtttccttctctgtgta
ADAM22_MIP_19	acacaggaaggaacagcacctCTTCAGCTTCCCGATATCCGACGGTAGTGTcagttttaccctaggca
ADAM22_MIP_20	gccctagaagattcttattccCTTCAGCTTCCCGATATCCGACGGTAGTGTgaagaccttctactgtt
ADAM22_MIP_21	aacaagtgaaggtcttcaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTaataagaactcttagggc
ADAM22_MIP_22	accctacgtgagttatgaaatCTTCAGCTTCCCGATATCCGACGGTAGTGTacacagctgattgttcat
ADAM22_MIP_23	gtcggcagggtttccatagcCTTCAGCTTCCCGATATCCGACGGTAGTGTacatcattacagaagttac
ADAM22_MIP_24	agtaggtgtaacatctgtacaCTTCAGCTTCCCGATATCCGACGGTAGTGTgttgaactgtgaacagt
ADAM22_MIP_25	cattcacgctctctcttctCTTCAGCTTCCCGATATCCGACGGTAGTGTcaccatactgatttgaata
ADAM22_MIP_26	gaaagttagcaagtggaagttCTTCAGCTTCCCGATATCCGACGGTAGTGTtctcagtgacaatttgg
ADAM22_MIP_27	gggtaatgactgggcaagtCTTCAGCTTCCCGATATCCGACGGTAGTGTaagcaactaaataaaaaat
ADAM22_MIP_28	gctgtgctgttctcttagCTTCAGCTTCCCGATATCCGACGGTAGTGTtcttaacaaggcatggtg

ADAM22_MIP_29	cacatgcttgttataaagtgaCTTCAGCTTCCCGATATCCGACGGTAGTGTagaagacaacagcacagc
ADAM22_MIP_30	accttctaaggtaataagtgtggCTTCAGCTTCCCGATATCCGACGGTAGTGTgagttgaaccagcta
ADAM22_MIP_31	gttgaaaaggcaggcaccacCTTCAGCTTCCCGATATCCGACGGTAGTGTatgtacatacagggcaagt
ADAM22_MIP_32	gtaattcagggtcattccaggCTTCAGCTTCCCGATATCCGACGGTAGTGTgttcacttttggttttcc
ADAM22_MIP_33	gaggaaaaccaaagtgaactCTTCAGCTTCCCGATATCCGACGGTAGTGTctggaaatgacctgaatt
ADAM22_MIP_34	gctgtaaaaagtcaaggtaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTtttcaggaaagtgcacc
ADAM22_MIP_35	caacactctgctctcaaggCTTCAGCTTCCCGATATCCGACGGTAGTGTcccagccttaatgattaa
ADAM22_MIP_36	acttatgggaaaaagtggggCTTCAGCTTCCCGATATCCGACGGTAGTGTcaagttgattttgtcat
ADAM22_MIP_37	aatgaacaaaatcaactgtgCTTCAGCTTCCCGATATCCGACGGTAGTGTcccacttttcccataag
ADAM22_MIP_38	cagcatgaaaggaatactgaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTttgcactgactttcattc
ADAM22_MIP_39	aaatgcagtcaaaaataaggcCTTCAGCTTCCCGATATCCGACGGTAGTGTcctttcatgctggtaca
ADAM22_MIP_40	gtcaggcggacttctcaaggCTTCAGCTTCCCGATATCCGACGGTAGTGTtcaatgggtatttgcctttc
ADAM22_MIP_41	ggaaaagcaaataccattagcgaCTTCAGCTTCCCGATATCCGACGGTAGTGTgagaagtcgcctga
ADAM22_MIP_42	aggtggagacgtcagcccagCTTCAGCTTCCCGATATCCGACGGTAGTGTtagaaaattttttctgctt
ADAM22_MIP_43	ggcagaaaaaattttctatcagCTTCAGCTTCCCGATATCCGACGGTAGTGTgctgagcttccacctc
ADAM22_MIP_44	gtcgagcaaggaagaacattCTTCAGCTTCCCGATATCCGACGGTAGTGTtatatttgggaaaagaagta
ADAM22_MIP_45	caccatcgagtttccaagcCTTCAGCTTCCCGATATCCGACGGTAGTGTtaattgaaaacggaaggaa
ADAM22_MIP_46	cctgtgcttcttcaacttCTTCAGCTTCCCGATATCCGACGGTAGTGTgattcatttttgcctca
ADAM22_MIP_47	agacacctgttctaagcacaCTTCAGCTTCCCGATATCCGACGGTAGTGTggtcctgtctattctgt
ADAM22_MIP_48	ggtatcaactgtctgcaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTgagagttgactttactcta
ADAM22_MIP_49	atcagaaccttccagtgtctCTTCAGCTTCCCGATATCCGACGGTAGTGTaaagtttccagagagcag
ADAM22_MIP_50	ggaataactcgtggggttaCTTCAGCTTCCCGATATCCGACGGTAGTGTacaataaagtttctgaaagg
ADAM22_MIP_51	ccagcactaaaatggtgccaCTTCAGCTTCCCGATATCCGACGGTAGTGTtattcaaccaatgatacaaa
ADAM22_MIP_52	gactcatattagcattgtggaaCTTCAGCTTCCCGATATCCGACGGTAGTGTcctctgatgtccttcc
ADAM22_MIP_53	ggaaggacatcaagaggagCTTCAGCTTCCCGATATCCGACGGTAGTGTcaacaatgctaataatgagtc
ADAM22_MIP_54	gtctgctttctgtcgactCTTCAGCTTCCCGATATCCGACGGTAGTGTtctgaaagtttatattgccc
ADAM22_MIP_55	aactagatgctgagttgtgcCTTCAGCTTCCCGATATCCGACGGTAGTGTaaacattcaagaagaagg
ADAM22_MIP_56	actcttgcaaggtagagcCTTCAGCTTCCCGATATCCGACGGTAGTGTttggttacattttgaacaa
ADAM22_MIP_57	cgaggtgccattttcacagCTTCAGCTTCCCGATATCCGACGGTAGTGTtctgtggagaagagccta
ADAM22_MIP_58	cctgtgcaaatagtgcaaaagCTTCAGCTTCCCGATATCCGACGGTAGTGTctagctcaaacctgctt
ADAM22_MIP_59	aaaagacggttagagctagaCTTCAGCTTCCCGATATCCGACGGTAGTGTttttgacactatttgaca
ADAM22_MIP_60	aaacactgaaggaccatacttCTTCAGCTTCCCGATATCCGACGGTAGTGTtctgtctgtattttcag
ADAM22_MIP_61	gtctctttgaacctgggttCTTCAGCTTCCCGATATCCGACGGTAGTGTccagtcacactacagtat
ADAM22_MIP_62	cgacaagtgcagggtatgCTTCAGCTTCCCGATATCCGACGGTAGTGTaattcatgttccaactct
ADAM22_MIP_63	gtcctcatcaggaagtggagcCTTCAGCTTCCCGATATCCGACGGTAGTGTtaggaacaaggaggaa
ADAM22_MIP_64	gtcttccagaaatacgaagacCTTCAGCTTCCCGATATCCGACGGTAGTGTtctcttttctgtgtg
ADAM22_MIP_65	cacaacgaaaagagcaaaattCTTCAGCTTCCCGATATCCGACGGTAGTGTtctgattgtcgaagagc
DLGAP2_MIP_1	cgacgcgcccgcctactctCTTCAGCTTCCCGATATCCGACGGTAGTGTgagcctactgcgccg
DLGAP2_MIP_2	gcccgtggtcaggtgctcagCTTCAGCTTCCCGATATCCGACGGTAGTGTacacgtggtcggcagc
DLGAP2_MIP_3	cccggccaacctgctggaccCTTCAGCTTCCCGATATCCGACGGTAGTGTgtgctgtagtgccgggtg
DLGAP2_MIP_4	gcgtgtcgtagtgcagctgtaCTTCAGCTTCCCGATATCCGACGGTAGTGTgagctcctctgactgc
DLGAP2_MIP_5	gctcttcaccaagtgcactcCTTCAGCTTCCCGATATCCGACGGTAGTGTtagtgcagaagcagctgc
DLGAP2_MIP_6	cacggagtgtaccaggtggcggCTTCAGCTTCCCGATATCCGACGGTAGTGTtctgtcctctgtctgt
DLGAP2_MIP_7	cgcccagctgctcaaccggCTTCAGCTTCCCGATATCCGACGGTAGTGTaccagcccaccgccaag
DLGAP2_MIP_8	gataggtgctgctgctcaggCTTCAGCTTCCCGATATCCGACGGTAGTGTcggagcactgacgtcg
DLGAP2_MIP_9	caagagctgctgaacctggaCTTCAGCTTCCCGATATCCGACGGTAGTGTaaacctccaaggaacaa
DLGAP2_MIP_10	accaggagctgcctcaggaCTTCAGCTTCCCGATATCCGACGGTAGTGTgtagcctgcttaccctg
DLGAP2_MIP_11	actgcatacatttagttgtgcCTTCAGCTTCCCGATATCCGACGGTAGTGTaccaggaaccgaagcc
DLGAP2_MIP_12	gagttacattaagccatggggCTTCAGCTTCCCGATATCCGACGGTAGTGTgcccgttctcagtgaca
DLGAP2_MIP_13	acttctcattctctcagggaaCTTCAGCTTCCCGATATCCGACGGTAGTGTctccaagcgtctct
DLGAP2_MIP_14	cactgctgcgagctccctctCTTCAGCTTCCCGATATCCGACGGTAGTGTactccagcccaagacatc
DLGAP2_MIP_15	attccgctcccgaaccagaCTTCAGCTTCCCGATATCCGACGGTAGTGTgcccctgcagcgggtctca
DLGAP2_MIP_16	ggggtccagctgtgtccacaCTTCAGCTTCCCGATATCCGACGGTAGTGTactggaccggggagaa
DLGAP2_MIP_17	gatgtttccaacaaggagtcaCTTCAGCTTCCCGATATCCGACGGTAGTGTggggcatcacgtgtgc
DLGAP2_MIP_18	aggcatccatggcctgagatCTTCAGCTTCCCGATATCCGACGGTAGTGTctgttgacctgatggtga
DLGAP2_MIP_19	cagtacaatgtactctcagcCTTCAGCTTCCCGATATCCGACGGTAGTGTgacacctctgacatcac
DLGAP2_MIP_20	accaggagcctaccaggaCTTCAGCTTCCCGATATCCGACGGTAGTGTcctgttgacttgggactttc
DLGAP2_MIP_21	gagatcagaggcttggaggtgCTTCAGCTTCCCGATATCCGACGGTAGTGTctgttctgtccagct
DLGAP2_MIP_22	cctgggtccaaggcggaggagCTTCAGCTTCCCGATATCCGACGGTAGTGTgcccctctacaactcca
DLGAP2_MIP_23	ggccttctgctggtccgcaCTTCAGCTTCCCGATATCCGACGGTAGTGTttttgcttattctaggct
DLGAP2_MIP_24	cctttttggatgtcatcgacCTTCAGCTTCCCGATATCCGACGGTAGTGTgtctccacactgtggct
DLGAP2_MIP_25	atgaagccacagtgtgagaccCTTCAGCTTCCCGATATCCGACGGTAGTGTtccatgaaatccaaaa
DLGAP2_MIP_26	actcagcccctctgacagcCTTCAGCTTCCCGATATCCGACGGTAGTGTcccattgttcagttcaaaa
DLGAP2_MIP_27	gcttctcatctccaactgctcaccCTTCAGCTTCCCGATATCCGACGGTAGTGTaaactatggcctgtt
DLGAP2_MIP_28	ccttcagttcgctcatcttctCTTCAGCTTCCCGATATCCGACGGTAGTGTaccatctgtcttctctc

DLGAP2_MIP_29	gtggtgatgtggcctgggaacCTTCAGCTTCCCGATATCCGACGGTAGTGTgggtccgatagtcttctct
DLGAP2_MIP_30	gatggctcgtggttttgaagctgCTTCAGCTTCCCGATATCCGACGGTAGTGTagggctcttcagcta
DLGAP2_MIP_31	acggagacatctcccagtctCTTCAGCTTCCCGATATCCGACGGTAGTGTgaagcctgagcttctact
DLGAP2_MIP_32	ctcccttggattcaagtgaCTTCAGCTTCCCGATATCCGACGGTAGTGTtagtgagagagagggcg
DLGAP2_MIP_33	gtttattggcttggcaacaCTTCAGCTTCCCGATATCCGACGGTAGTGTctgctttgtgttaattgac
DLGAP2_MIP_34	gctggaattctgggacatgagCTTCAGCTTCCCGATATCCGACGGTAGTGTcagatgggaactcttgac
DLGAP2_MIP_35	gtcagcatgaagtcgacgagctCTTCAGCTTCCCGATATCCGACGGTAGTGTgtgccccagggagact
DLGAP2_MIP_36	caatggagagctgcagcatgctCTTCAGCTTCCCGATATCCGACGGTAGTGTcagtgagaaaagggggtt
DLGAP2_MIP_37	agagaaaaatccctggacctgccCTTCAGCTTCCCGATATCCGACGGTAGTGTgagctcgcgagctgct
DLGAP2_MIP_38	ggattggaggcgggaccttctCTTCAGCTTCCCGATATCCGACGGTAGTGTggaattctccggaagga
DLGAP2_MIP_39	ccctcgtcctccgcttctCTTCAGCTTCCCGATATCCGACGGTAGTGTcggagcgcctcatggccg
SMARCA2_MIP_1	catccccaggttccgccacaCTTCAGCTTCCCGATATCCGACGGTAGTGTtactgactggcagagacag
SMARCA2_MIP_2	cctgctcctggactaggcccCTTCAGCTTCCCGATATCCGACGGTAGTGTactcttacctatgcttctg
SMARCA2_MIP_3	atcatgcaaatctttgcttctaCTTCAGCTTCCCGATATCCGACGGTAGTGTccacaggaaggcatgc
SMARCA2_MIP_4	ctccccagagccaatggaCTTCAGCTTCCCGATATCCGACGGTAGTGTtagaggtgtctaactaatgt
SMARCA2_MIP_5	cccatgctgggtgaggtggCTTCAGCTTCCCGATATCCGACGGTAGTGTtagacattcttggaaatt
SMARCA2_MIP_6	cacctcagatgccaccaagccCTTCAGCTTCCCGATATCCGACGGTAGTGTtctttcaggggtgtcaggg
SMARCA2_MIP_7	agttgggctcctccagacataCTTCAGCTTCCCGATATCCGACGGTAGTGTctaaaatctgagctcga
SMARCA2_MIP_8	aaggacgttctgctgcttctCTTCAGCTTCCCGATATCCGACGGTAGTGTgcccacagaggtccct
SMARCA2_MIP_9	ggactgcaagctgcagcttctCTTCAGCTTCCCGATATCCGACGGTAGTGTgctcgtctgtgtgtgc
SMARCA2_MIP_10	caactcggatacaaaagactctCTTCAGCTTCCCGATATCCGACGGTAGTGTgagcagcaacagcagcc
SMARCA2_MIP_11	cgcagtgcccgggcccctcagCTTCAGCTTCCCGATATCCGACGGTAGTGTcctatgctcttcttccg
SMARCA2_MIP_12	ccgcccggcctgctcggctcggCTTCAGCTTCCCGATATCCGACGGTAGTGTaatttccaggggtcc
SMARCA2_MIP_13	cctgctccttggttggcaaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTatccagaaaaccgaagcc
SMARCA2_MIP_14	cggttactcaatttccagcctCTTCAGCTTCCCGATATCCGACGGTAGTGTcctttccccattttattgt
SMARCA2_MIP_15	cggttgccttggcttctaaatCTTCAGCTTCCCGATATCCGACGGTAGTGTattgaatagactaaaggca
SMARCA2_MIP_16	catgaccgagaagctggagaagCTTCAGCTTCCCGATATCCGACGGTAGTGTtctaactgctctctctt
SMARCA2_MIP_17	gagcttctcagagcttggCTTCAGCTTCCCGATATCCGACGGTAGTGTattttagaattcattggac
SMARCA2_MIP_18	catgccaactgaaagagagCTTCAGCTTCCCGATATCCGACGGTAGTGTtcttttcttcttcttctt
SMARCA2_MIP_19	cggccacagaccgatgatctCTTCAGCTTCCCGATATCCGACGGTAGTGTtctgaggaggttctct
SMARCA2_MIP_20	gtttgggagcacaagcaagcCTTCAGCTTCCCGATATCCGACGGTAGTGTatcctgctcttcttcttct
SMARCA2_MIP_21	cagattggctacatactcatgCTTCAGCTTCCCGATATCCGACGGTAGTGTaaaaacttatccctgcc
SMARCA2_MIP_22	gtctgtccatactggcagCTTCAGCTTCCCGATATCCGACGGTAGTGTgtgtacttataacattcga
SMARCA2_MIP_23	acaatgcaatgttataagtaacCTTCAGCTTCCCGATATCCGACGGTAGTGTgctgcccaggtatggc
SMARCA2_MIP_24	aagcaagtcaagtgagcctCTTCAGCTTCCCGATATCCGACGGTAGTGTtctaacatgaaaccgtgac
SMARCA2_MIP_25	ggtcgaacagaacctgccCTTCAGCTTCCCGATATCCGACGGTAGTGTagttttagtttcagatcgt
SMARCA2_MIP_26	aggaaagaaattcttctgaatgCTTCAGCTTCCCGATATCCGACGGTAGTGTctcttctcactcttct
SMARCA2_MIP_27	ggaaaaagagtgggaagaggCTTCAGCTTCCCGATATCCGACGGTAGTGTcattcaggaagaattctt
SMARCA2_MIP_28	ccaatagcgaagaagtctCTTCAGCTTCCCGATATCCGACGGTAGTGTgtctttcagaaaaatgca
SMARCA2_MIP_29	cggtttctgctactggacCTTCAGCTTCCCGATATCCGACGGTAGTGTaaaaaaaattcattaagca
SMARCA2_MIP_30	gtctgccctctaattaatggCTTCAGCTTCCCGATATCCGACGGTAGTGTtctccacttttcttctt
SMARCA2_MIP_31	gtttctccacctctccgagaCTTCAGCTTCCCGATATCCGACGGTAGTGTtagcccttagtcaacatgtg
SMARCA2_MIP_32	atggggttggaaagaccatCTTCAGCTTCCCGATATCCGACGGTAGTGTgggtgtattaggaatt
SMARCA2_MIP_33	catcggctaagattccgttctCTTCAGCTTCCCGATATCCGACGGTAGTGTacgatgactgtggaataat
SMARCA2_MIP_34	aaaagcaaaaaatagacctCTTCAGCTTCCCGATATCCGACGGTAGTGTtttttctgtgttttttt
SMARCA2_MIP_35	aaaaaaaaacaagaaaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTagggtctatttttgccttt
SMARCA2_MIP_36	cattctgcaaggtatgttttCTTCAGCTTCCCGATATCCGACGGTAGTGTgatcatgcatgtattttt
SMARCA2_MIP_37	caagaggacattgaattgccCTTCAGCTTCCCGATATCCGACGGTAGTGTtcaattacactcagact
SMARCA2_MIP_38	actatgtggccccagaaggaCTTCAGCTTCCCGATATCCGACGGTAGTGTgtattttccctgcttac
SMARCA2_MIP_39	agtgtcaagacctgagtcagcCTTCAGCTTCCCGATATCCGACGGTAGTGTaccattgttcaaatgtc
SMARCA2_MIP_40	gccctaaagctgagaacattaCTTCAGCTTCCCGATATCCGACGGTAGTGTtctcccaacaatttttaa
SMARCA2_MIP_41	cccgaaaaagtattgtcacCTTCAGCTTCCCGATATCCGACGGTAGTGTcaaatcataataagcctct
SMARCA2_MIP_42	ggtcttaacacctatgtagacCTTCAGCTTCCCGATATCCGACGGTAGTGTcaattcagaggcaggt
SMARCA2_MIP_43	gaaagataagaaggtacgttctCTTCAGCTTCCCGATATCCGACGGTAGTGTctgcttctgctacttac
SMARCA2_MIP_44	atccccctggctgcatatggcCTTCAGCTTCCCGATATCCGACGGTAGTGTcagcattagcaggatgc
SMARCA2_MIP_45	gtttgagcctgattgtgtaCTTCAGCTTCCCGATATCCGACGGTAGTGTatttttcccttccactg
SMARCA2_MIP_46	cagtggaaagggaaaaatagaaCTTCAGCTTCCCGATATCCGACGGTAGTGTcaaatcaggtcctcaaac
SMARCA2_MIP_47	gtgtgtgcttacataaactCTTCAGCTTCCCGATATCCGACGGTAGTGTtaataataactatttttaa
SMARCA2_MIP_48	gattttaaaaaatgtaattatCTTCAGCTTCCCGATATCCGACGGTAGTGTgagttatgtaaggccaac
SMARCA2_MIP_49	catctctcatgacctatggCTTCAGCTTCCCGATATCCGACGGTAGTGTtcttctgtttttgctattt
SMARCA2_MIP_50	catctggcagaaaagcagcaCTTCAGCTTCCCGATATCCGACGGTAGTGTtaagtccccattacccttc
SMARCA2_MIP_51	gcttaaatcttcagcagctCTTCAGCTTCCCGATATCCGACGGTAGTGTttggcaaatattttctg
SMARCA2_MIP_52	caggccaccagctctgtgctCTTCAGCTTCCCGATATCCGACGGTAGTGTaatgaaactgatcatctt
SMARCA2_MIP_53	caaaatacaagctgaactggaCTTCAGCTTCCCGATATCCGACGGTAGTGTatagcatattgaccccc
SMARCA2_MIP_54	gttcaggtacagagcctgactCTTCAGCTTCCCGATATCCGACGGTAGTGTcaagatggcctcagga

SMARCA2_MIP_55	ccctttgttaaaaaactctggCTTCAGCTTCCCGATATCCGACGGTAGTGTcaagccacgagcggag
SMARCA2_MIP_56	gctttatacctctgcccttCTTCAGCTTCCCGATATCCGACGGTAGTGTaaactcactctgttttaacc
SMARCA2_MIP_57	gatttaaccagtgagcactCTTCAGCTTCCCGATATCCGACGGTAGTGTaagcatttgttcatgat
SMARCA2_MIP_58	gtagaaaggctcacctgtgaCTTCAGCTTCCCGATATCCGACGGTAGTGTgacctcttattaatgtct
SMARCA2_MIP_59	cctcctcattaaaggggcttCTTCAGCTTCCCGATATCCGACGGTAGTGTgtagggcgtcactgtag
SMARCA2_MIP_60	gagaaaccaggggcttagagcCTTCAGCTTCCCGATATCCGACGGTAGTGTaatattggggaggggttc
SMARCA2_MIP_61	ctaagaagagaagaggccctCTTCAGCTTCCCGATATCCGACGGTAGTGTctcctttgttccaacgaa
SMARCA2_MIP_62	caatttctctcttttctgCTTCAGCTTCCCGATATCCGACGGTAGTGTttatcacgatcatgatga
SMARCA2_MIP_63	gttaagtgtgacttaggttCTTCAGCTTCCCGATATCCGACGGTAGTGTaaactgacaaagcagatg
SMARCA2_MIP_64	ccctatctctaaatacagctatccCTTCAGCTTCCCGATATCCGACGGTAGTGTggggacgagaaccag
SMARCA2_MIP_65	ccctatctctaaatacaggtatccCTTCAGCTTCCCGATATCCGACGGTAGTGTggggacgagaaccag
SMARCA2_MIP_66	cggtagagtagaagaacactagCTTCAGCTTCCCGATATCCGACGGTAGTGTatgattcaatctgttc
SMARCA2_MIP_67	ggaagccagtggtattcaaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTtctcctcagtaattgtgat
SMARCA2_MIP_68	catagtattctgtaattcttccCTTCAGCTTCCCGATATCCGACGGTAGTGTggcggctcagctcaa
SMARCA2_MIP_69	cagacgttcaactggaggggaCTTCAGCTTCCCGATATCCGACGGTAGTGTtgcgtgaatttctcctcc
SMARCA2_MIP_70	acatccttccaggtgcctaCTTCAGCTTCCCGATATCCGACGGTAGTGTtagaaaatgaaatattct
SMARCA2_MIP_71	aagatgaagaagagtcagatcCTTCAGCTTCCCGATATCCGACGGTAGTGTacagatgcccccttgacc
SMARCA2_MIP_72	attgcttctcctcactctcCTTCAGCTTCCCGATATCCGACGGTAGTGTtctaaagtcttcttctga
SMARCA2_MIP_73	gccaacctgtagtgagcgaCTTCAGCTTCCCGATATCCGACGGTAGTGTgattactcactgtgtctat
SMARCA2_MIP_74	cctcgatttggcctttcttctgCTTCAGCTTCCCGATATCCGACGGTAGTGTggggacgagaaccag
SMARCA2_MIP_75	gtctcatttctaccagttagCTTCAGCTTCCCGATATCCGACGGTAGTGTtcttctcagtgatgtact
SMARCA2_MIP_76	atgaagtaacatcacatgcaagCTTCAGCTTCCCGATATCCGACGGTAGTGTactcactgggtagaatg
SLC1A1_MIP_1	ggcgatcgcgaccctcaagCTTCAGCTTCCCGATATCCGACGGTAGTGTcgacaatagcggcgaca
SLC1A1_MIP_2	gtcggctatttgcgctggCTTCAGCTTCCCGATATCCGACGGTAGTGTagggtcgcgcatcggcca
SLC1A1_MIP_3	aaattcaatgaggtatgctgaCTTCAGCTTCCCGATATCCGACGGTAGTGTaggagaactcaaatatgtt
SLC1A1_MIP_4	agttgagaggttctgtgtCTTCAGCTTCCCGATATCCGACGGTAGTGTatggactaatagagaaca
SLC1A1_MIP_5	gtattatttctgaccactctcaCTTCAGCTTCCCGATATCCGACGGTAGTGTctgaggattaatcggc
SLC1A1_MIP_6	gtcagcaaacactgaaggCTTCAGCTTCCCGATATCCGACGGTAGTGTgaaaaaatcaccattacat
SLC1A1_MIP_7	catcaggtgagtttctccacaCTTCAGCTTCCCGATATCCGACGGTAGTGTgacgctgttcttggcca
SLC1A1_MIP_8	caggggtgctccttctcctCTTCAGCTTCCCGATATCCGACGGTAGTGTattcaatacagtaaacgca
SLC1A1_MIP_9	acttctacccttctccatCTTCAGCTTCCCGATATCCGACGGTAGTGTattaggtatgacaaaacaa
SLC1A1_MIP_10	aaggcagtattatgttagggcCTTCAGCTTCCCGATATCCGACGGTAGTGTcagcagaaaaaacattt
SLC1A1_MIP_11	acagctgtcatgacaactcCTTCAGCTTCCCGATATCCGACGGTAGTGTtctcaaaagcttaaaaaaa
SLC1A1_MIP_12	aaggactcttctgcatgtctCTTCAGCTTCCCGATATCCGACGGTAGTGTgctgattctgtaatga
SLC1A1_MIP_13	attggaaaaatgggagaaaaggCTTCAGCTTCCCGATATCCGACGGTAGTGTtctgctcaaatatgtt
SLC1A1_MIP_14	acaagtccaagacaaggcaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTaggggaagcaaatgaca
SLC1A1_MIP_15	cctttacatggccacagctctCTTCAGCTTCCCGATATCCGACGGTAGTGTgagaagcacttgatgacg
SLC1A1_MIP_16	gatcttccagcaatcaggaacaaCTTCAGCTTCCCGATATCCGACGGTAGTGTtctctcagcggcatcc
SLC1A1_MIP_17	attgcatgggaatggcccaCTTCAGCTTCCCGATATCCGACGGTAGTGTaggataagtgtggggagg
SLC1A1_MIP_18	ggaaagggtcttctgtagCTTCAGCTTCCCGATATCCGACGGTAGTGTgctgtttgtaaaagtggg
SLC1A1_MIP_19	caacaatcaacatggatgggaCTTCAGCTTCCCGATATCCGACGGTAGTGTgacattctagacataagt
SLC1A1_MIP_20	atccttctgaccctgttatCTTCAGCTTCCCGATATCCGACGGTAGTGTgaggtgatgatctgccc
SLC1A1_MIP_21	gtgatgaattcttcttctgatctCTTCAGCTTCCCGATATCCGACGGTAGTGTgacctggactgggca
SLC1A1_MIP_22	gaggatgtcacctgatcattCTTCAGCTTCCCGATATCCGACGGTAGTGTgctaaactcttctctgct
SLC1A1_MIP_23	cccacggcactcagcacaatCTTCAGCTTCCCGATATCCGACGGTAGTGTagaatgatcacagactgacg
SLC1A1_MIP_24	aacattgtgaatcccttgccttCTTCAGCTTCCCGATATCCGACGGTAGTGTctctccgtctctccc
SLC1A1_MIP_25	acttcagatgaaacatcatctgCTTCAGCTTCCCGATATCCGACGGTAGTGTgaggtctgggtgatga
SLC1A1_MIP_26	actaatggcgaagtgtacattCTTCAGCTTCCCGATATCCGACGGTAGTGTtagacaagtctgacacca
SH3GL2_MIP_1	gtggccttccggcggcagcCTTCAGCTTCCCGATATCCGACGGTAGTGTccggcagcggcctctctg
SH3GL2_MIP_2	gcaggagccgctgctgctgCTTCAGCTTCCCGATATCCGACGGTAGTGTctgcccggcggcggcagc
SH3GL2_MIP_3	gagatggaaagggttaagcctCTTCAGCTTCCCGATATCCGACGGTAGTGTaagtcttaaaattctaac
SH3GL2_MIP_4	agtcacatctagctgttctcCTTCAGCTTCCCGATATCCGACGGTAGTGTgatttctcagagaccag
SH3GL2_MIP_5	catcttataatgtaaaaggaCTTCAGCTTCCCGATATCCGACGGTAGTGTtctaaagctcatcttttg
SH3GL2_MIP_6	gttttgggtgagctgtatataCTTCAGCTTCCCGATATCCGACGGTAGTGTctgattgggtgaaag
SH3GL2_MIP_7	attggaagagagcttggagatCTTCAGCTTCCCGATATCCGACGGTAGTGTtctctctctcactt
SH3GL2_MIP_8	gcgctctgctgaggatagCTTCAGCTTCCCGATATCCGACGGTAGTGTctacagaatttctaccagc
SH3GL2_MIP_9	cagaactcattgacctcttCTTCAGCTTCCCGATATCCGACGGTAGTGTgagatgacatttctctt
SH3GL2_MIP_10	gtccaaagagcttctgacctcCTTCAGCTTCCCGATATCCGACGGTAGTGTaaaaggatctgactctgt
SH3GL2_MIP_11	agtctaaggaaattgctgagctCTTCAGCTTCCCGATATCCGACGGTAGTGTctgcttctgacttttg
SH3GL2_MIP_12	caaatctctagagctgacgCTTCAGCTTCCCGATATCCGACGGTAGTGTaagggttatggccttta
SH3GL2_MIP_13	gtattctacagttccctgactCTTCAGCTTCCCGATATCCGACGGTAGTGTggcatgatttccatca
SH3GL2_MIP_14	gatctggactgctgtgtgCTTCAGCTTCCCGATATCCGACGGTAGTGTgacgtttgtctccaaatg
SH3GL2_MIP_15	acaggcactccaaacctcaCTTCAGCTTCCCGATATCCGACGGTAGTGTaccacttttcttactg
SH3GL2_MIP_16	gggctgagtactgtctcagttCTTCAGCTTCCCGATATCCGACGGTAGTGTgaccagattggcacttc
SH3GL2_MIP_17	attgatgagaactggatgaggCTTCAGCTTCCCGATATCCGACGGTAGTGTtctctctgctctact

SH3GL2_MIP_18	ggttagtgtgatgatcgCTTCAGCTTCCCGATATCCGACGGTAGTGTggccaagaggaggcgag
STXBP1_MIP_1	cagcgcccaggcctccgagcggCTTCAGCTTCCCGATATCCGACGGTAGTGTccggagagctcgcgagc
STXBP1_MIP_2	gctgcgcgagctccccggctcCTTCAGCTTCCCGATATCCGACGGTAGTGTctcggagcctggcgctg
STXBP1_MIP_3	gaaaaatcagaaggggatggaCTTCAGCTTCCCGATATCCGACGGTAGTGTtaattctctctctctct
STXBP1_MIP_4	aaagagagagagagagagaaatCTTCAGCTTCCCGATATCCGACGGTAGTGTactccatcccctctga
STXBP1_MIP_5	cacttgagcagtgctggagcctCTTCAGCTTCCCGATATCCGACGGTAGTGTgaagccatacagctgtt
STXBP1_MIP_6	cgtatgggcttcatggactctgCTTCAGCTTCCCGATATCCGACGGTAGTGTcactgctcaagtgcagag
STXBP1_MIP_7	ccagaggaggactctggctaCTTCAGCTTCCCGATATCCGACGGTAGTGTccatcatgtttcttattca
STXBP1_MIP_8	acagtgaataagaaaacatgatggCTTCAGCTTCCCGATATCCGACGGTAGTGTtagccagagctctct
STXBP1_MIP_9	ctgtccccagtcctcagcCTTCAGCTTCCCGATATCCGACGGTAGTGTggattcaggtccctctttt
STXBP1_MIP_10	aaaagaggacctgaatccaattCTTCAGCTTCCCGATATCCGACGGTAGTGTgtagggactggggacag
STXBP1_MIP_11	cctgagtaggggtgcaagCTTCAGCTTCCCGATATCCGACGGTAGTGTactgcttttgcatacttg
STXBP1_MIP_12	caagtatgacaaaagacagttggcCTTCAGCTTCCCGATATCCGACGGTAGTGTgacccccactcagg
STXBP1_MIP_13	gtgccacctgaaggagctacCTTCAGCTTCCCGATATCCGACGGTAGTGTtaatacttttctctccc
STXBP1_MIP_14	ggcgctccagataggattctcCTTCAGCTTCCCGATATCCGACGGTAGTGTcaggccagctcctcact
STXBP1_MIP_15	gttctcttcaaggaccgagCTTCAGCTTCCCGATATCCGACGGTAGTGTctgacccccctttg
STXBP1_MIP_16	acaagagggggtgacagagcaCTTCAGCTTCCCGATATCCGACGGTAGTGTggtccttgtaaagagaa
STXBP1_MIP_17	gcctatgaaaatgatgatacaCTTCAGCTTCCCGATATCCGACGGTAGTGTgcatctccctgttttcc
STXBP1_MIP_18	gcctgaaaagtcaattcatggCTTCAGCTTCCCGATATCCGACGGTAGTGTcaaaccaaaaaaccggttc
STXBP1_MIP_19	cagaggtgtccagtaagagccCTTCAGCTTCCCGATATCCGACGGTAGTGTcagtcactccactgag
STXBP1_MIP_20	gtgcttggcgcagtgctaCTTCAGCTTCCCGATATCCGACGGTAGTGTccaagaaaacgaattcacac
STXBP1_MIP_21	gcttctcttaagagcaggcCTTCAGCTTCCCGATATCCGACGGTAGTGTacttagctcctctttta
STXBP1_MIP_22	gaagataaaaggaggcagctaaCTTCAGCTTCCCGATATCCGACGGTAGTGTtccctgctcttagagag
STXBP1_MIP_23	cagctgcaaaaagacttctcaaCTTCAGCTTCCCGATATCCGACGGTAGTGTgctttctcttccctta
STXBP1_MIP_24	cactctaaggccctgatgtCTTCAGCTTCCCGATATCCGACGGTAGTGTactcaattattcaaacagat
STXBP1_MIP_25	gttttggccagcctattacCTTCAGCTTCCCGATATCCGACGGTAGTGTcaaacctgttggctttt
STXBP1_MIP_26	ggaaaaagcacaacagtttgtaCTTCAGCTTCCCGATATCCGACGGTAGTGTaaataggcctggcaaaa
STXBP1_MIP_27	gcatcatcttctctacatctCTTCAGCTTCCCGATATCCGACGGTAGTGTgccaatgaggtgtgttt
STXBP1_MIP_28	gacattggcactcagagaatCTTCAGCTTCCCGATATCCGACGGTAGTGTtctgtttctctcttct
STXBP1_MIP_29	atgtaagagccagctcagctCTTCAGCTTCCCGATATCCGACGGTAGTGTatccgggtcttctgtccc
STXBP1_MIP_30	cgaggtgagccatgttggtgatCTTCAGCTTCCCGATATCCGACGGTAGTGTctcttgactacgagtg
STXBP1_MIP_31	gtagtgctggggcacagggcCTTCAGCTTCCCGATATCCGACGGTAGTGTtcttaacctggtgtgtg
STXBP1_MIP_32	ccatgatgtccttgataatcggCTTCAGCTTCCCGATATCCGACGGTAGTGTcaaatcctcaaggagg
STXBP1_MIP_33	gacagaggggagcagctctCTTCAGCTTCCCGATATCCGACGGTAGTGTaatctgtctcttctctc
STXBP1_MIP_34	ggaaaagagacagatattagctCTTCAGCTTCCCGATATCCGACGGTAGTGTgctccctctgtcctt
STXBP1_MIP_35	atgagatgcgctgcctacCTTCAGCTTCCCGATATCCGACGGTAGTGTaaactgactgacattctctt
STXBP1_MIP_36	gctcacaccccaaggatgaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTcaaacgctggaatggag
STXBP1_MIP_37	agagcaaaagaaaagaaataaaCTTCAGCTTCCCGATATCCGACGGTAGTGTggcctctgttctcca
STXBP1_MIP_38	gataccatagaggactcctCTTCAGCTTCCCGATATCCGACGGTAGTGTagaataaagaaaagagtg
STXBP1_MIP_39	caaaacacgccccatcccacCTTCAGCTTCCCGATATCCGACGGTAGTGTcaagctcactgtctctct
STXBP1_MIP_40	gagcttcccagttctgtttccCTTCAGCTTCCCGATATCCGACGGTAGTGTtttggaggggcagctt
SPTAN1_MIP_1	gtcagaagctggaagattcctCTTCAGCTTCCCGATATCCGACGGTAGTGTgacattttgatttcag
SPTAN1_MIP_2	gttagaggtccttgaagcggCTTCAGCTTCCCGATATCCGACGGTAGTGTggttgggtctttata
SPTAN1_MIP_3	aatcagacgaggaaagtactCTTCAGCTTCCCGATATCCGACGGTAGTGTggagaatggatcacagga
SPTAN1_MIP_4	catctgaaaccatacgggtgagctCTTCAGCTTCCCGATATCCGACGGTAGTGTactcaaggtccgcaa
SPTAN1_MIP_5	aaatgcccttctgatcatcCTTCAGCTTCCCGATATCCGACGGTAGTGTttaaagctgaaaagtc
SPTAN1_MIP_6	gtgaggactgtgagctggCTTCAGCTTCCCGATATCCGACGGTAGTGTaaactctgattgaaactt
SPTAN1_MIP_7	cgtaagtactgcaccaactctgCTTCAGCTTCCCGATATCCGACGGTAGTGTgtgctcaactggctc
SPTAN1_MIP_8	gagttaatgaagtgaaccagtttCTTCAGCTTCCCGATATCCGACGGTAGTGTgctcttattaggtcct
SPTAN1_MIP_9	catgagcagcatatctgttCTTCAGCTTCCCGATATCCGACGGTAGTGTgaccaatcatcaaaattta
SPTAN1_MIP_10	ctcttggggcagcagaagtCTTCAGCTTCCCGATATCCGACGGTAGTGTacaatccagctctct
SPTAN1_MIP_11	gccaggctgactgactcatcCTTCAGCTTCCCGATATCCGACGGTAGTGTtcacaactccccccag
SPTAN1_MIP_12	ggtctggagagagatcttctgCTTCAGCTTCCCGATATCCGACGGTAGTGTactggtgcttctgtctg
SPTAN1_MIP_13	ccgaagcagagcctgaacacCTTCAGCTTCCCGATATCCGACGGTAGTGTgcttggactagaatgaa
SPTAN1_MIP_14	gattacaactgggagcagatCTTCAGCTTCCCGATATCCGACGGTAGTGTgtaccaaggtcaggaga
SPTAN1_MIP_15	gttctctcgttacttgaCTTCAGCTTCCCGATATCCGACGGTAGTGTtattctcgttcaaaaaag
SPTAN1_MIP_16	cctgctagatagacaccaagaCTTCAGCTTCCCGATATCCGACGGTAGTGTgtcttcttggtttcc
SPTAN1_MIP_17	cacatcactggcaagctcatctCTTCAGCTTCCCGATATCCGACGGTAGTGTgccaactatagcctcac
SPTAN1_MIP_18	agaagagaaatggagcttttgaCTTCAGCTTCCCGATATCCGACGGTAGTGTggccttgttttctctc
SPTAN1_MIP_19	caggagaaaaaaacaaagccaCTTCAGCTTCCCGATATCCGACGGTAGTGTcaaacgctccattctctt
SPTAN1_MIP_20	caggtggacaactggatgagcaCTTCAGCTTCCCGATATCCGACGGTAGTGTcctatgtcctatgccc
SPTAN1_MIP_21	cagtgctccgtagaagagcCTTCAGCTTCCCGATATCCGACGGTAGTGTatggtactgatctctaaaa
SPTAN1_MIP_22	cagtaagacccttctgtcaCTTCAGCTTCCCGATATCCGACGGTAGTGTacatttggcttcttggc
SPTAN1_MIP_23	cctcctgggcactaaggatttCTTCAGCTTCCCGATATCCGACGGTAGTGTaccacaggagctactctg
SPTAN1_MIP_24	atgctcctcttttggtaCTTCAGCTTCCCGATATCCGACGGTAGTGTtcttcaatgaagaactc

SPTAN1_MIP_25	gagttcttcattggtaagcacacCTTCAGCTTCCCGATATCCGACGGTAGTGTcaaaaaggaggagcatg
SPTAN1_MIP_26	atgagctcaagagttgggcaatCTTCAGCTTCCCGATATCCGACGGTAGTGTctagagactcacagggg
SPTAN1_MIP_27	agaatcacggaaaaactctgCTTCAGCTTCCCGATATCCGACGGTAGTGTacaatttattgtgagagc
SPTAN1_MIP_28	ctgattgatgtcaaccactatgCTTCAGCTTCCCGATATCCGACGGTAGTGTaagaaccctctcttta
SPTAN1_MIP_29	ggccagcttttccaaggaCTTCAGCTTCCCGATATCCGACGGTAGTGTgcacaattcaatggaacat
SPTAN1_MIP_30	cggatgattacggcaaaagatCTTCAGCTTCCCGATATCCGACGGTAGTGTaaagcagtaaaaataaac
SPTAN1_MIP_31	agccaagtacgcttctactcaCTTCAGCTTCCCGATATCCGACGGTAGTGTtctcattcacttgccc
SPTAN1_MIP_32	cgctatgaggcactcaaggagCTTCAGCTTCCCGATATCCGACGGTAGTGTgtaaagctgctctgtcct
SPTAN1_MIP_33	cacgaggcttctgcttctctCTTCAGCTTCCCGATATCCGACGGTAGTGTcaatgggctcttctctc
SPTAN1_MIP_34	ggatgggagggtcgaatttaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTatgaggagacgtggatt
SPTAN1_MIP_35	catggtggaggaaggtgagtgatCTTCAGCTTCCCGATATCCGACGGTAGTGTggagctgtctgcttt
SPTAN1_MIP_36	cattcccctctgtgtaactgcCTTCAGCTTCCCGATATCCGACGGTAGTGTgggagtgattcagcccc
SPTAN1_MIP_37	gcaggcccagcagctcttgCTTCAGCTTCCCGATATCCGACGGTAGTGTctctttccctaccactctc
SPTAN1_MIP_38	gggaagcttggcttcagtgCTTCAGCTTCCCGATATCCGACGGTAGTGTgagcttctgctctgcca
SPTAN1_MIP_39	gcttgactgagaaggaagtagCTTCAGCTTCCCGATATCCGACGGTAGTGTaaagcagctgaatcct
SPTAN1_MIP_40	gtttatgggttactggaggaggCTTCAGCTTCCCGATATCCGACGGTAGTGTcattgtgtggtttgtg
SPTAN1_MIP_41	aaacaaaaccacacatggagcCTTCAGCTTCCCGATATCCGACGGTAGTGTccctccagtaaccataa
SPTAN1_MIP_42	ccttacctactcaacagcacCTTCAGCTTCCCGATATCCGACGGTAGTGTtttgccttctcttggatt
SPTAN1_MIP_43	cccttctcatgtgacacCTTCAGCTTCCCGATATCCGACGGTAGTGTtctcatttccagggagcat
SPTAN1_MIP_44	caaggcagcatagcactgCTTCAGCTTCCCGATATCCGACGGTAGTGTcagttctcctctttttctc
SPTAN1_MIP_45	gactgggcggggtccaatttcCTTCAGCTTCCCGATATCCGACGGTAGTGTcatgtggaacagatagc
SPTAN1_MIP_46	gctaccctatccttctcctctCTTCAGCTTCCCGATATCCGACGGTAGTGTcatgcttttctgtgccc
SPTAN1_MIP_47	gagggggcacagaaaagcatCTTCAGCTTCCCGATATCCGACGGTAGTGTcagagggagaatggatagg
SPTAN1_MIP_48	gagaaggaagcctctgacCTTCAGCTTCCCGATATCCGACGGTAGTGTgcacccttgaattccat
SPTAN1_MIP_49	gcttcacggaacaacataaactCTTCAGCTTCCCGATATCCGACGGTAGTGTgaagactgccatacctt
SPTAN1_MIP_50	gtgcagtggtatgactctggcCTTCAGCTTCCCGATATCCGACGGTAGTGTagaagttgatgactcca
SPTAN1_MIP_51	caacaggtaggtgtctcatcCTTCAGCTTCCCGATATCCGACGGTAGTGTgggttttagttattatggc
SPTAN1_MIP_52	agaccttcagactccaggtctCTTCAGCTTCCCGATATCCGACGGTAGTGTgtatgaaacactgctgtg
SPTAN1_MIP_53	gggaagaatatcaagccaagaCTTCAGCTTCCCGATATCCGACGGTAGTGTgagaagactgttattctt
SPTAN1_MIP_54	agagagaaaccagtttattattaCTTCAGCTTCCCGATATCCGACGGTAGTGTgacaattctgatgaag
SPTAN1_MIP_55	gtgtgccttctctgaatattcCTTCAGCTTCCCGATATCCGACGGTAGTGTgcataaattcctcttct
SPTAN1_MIP_56	gaaagaggaatttaggcagccaaCTTCAGCTTCCCGATATCCGACGGTAGTGTtcagagaaaggcacac
SPTAN1_MIP_57	gtctacagcagagcttcttCTTCAGCTTCCCGATATCCGACGGTAGTGTtctgcttctcctctacc
SPTAN1_MIP_58	ggtaggaggagaaagcagaaggCTTCAGCTTCCCGATATCCGACGGTAGTGTaagagctctgctgtagac
SPTAN1_MIP_59	ggctgggagaggagaaacagCTTCAGCTTCCCGATATCCGACGGTAGTGTctgatgtttctgtctctg
SPTAN1_MIP_60	cctgtcatccccagctcagCTTCAGCTTCCCGATATCCGACGGTAGTGTctgtggaacctctgtacttc
SPTAN1_MIP_61	gagggcttcagaggggactctCTTCAGCTTCCCGATATCCGACGGTAGTGTaacctgaaatgtgtctgc
SPTAN1_MIP_62	ggacactggcagatcatgtctcCTTCAGCTTCCCGATATCCGACGGTAGTGTctgcagaacagaagactc
SPTAN1_MIP_63	ggaacgtgcagatcagcCTTCAGCTTCCCGATATCCGACGGTAGTGTcattcacccttctccca
SPTAN1_MIP_64	gctccaggcctggttaactcCTTCAGCTTCCCGATATCCGACGGTAGTGTctcaaaagaaggctctatg
SPTAN1_MIP_65	gtggacctgctgctgagtagCTTCAGCTTCCCGATATCCGACGGTAGTGTctattttctggggctgctg
SPTAN1_MIP_66	gaaaccagcaccagaaaaatagCTTCAGCTTCCCGATATCCGACGGTAGTGTtactcagcaggcagg
SPTAN1_MIP_67	aactgtatattctgaccaggagCTTCAGCTTCCCGATATCCGACGGTAGTGTcccttccctcttttgg
SPTAN1_MIP_68	gcttgatctcagggtgcatCTTCAGCTTCCCGATATCCGACGGTAGTGTgaaggaacacttggtca
SPTAN1_MIP_69	caaaaaacatgaagactttgacaCTTCAGCTTCCCGATATCCGACGGTAGTGTacctgcctctgcccct
SPTAN1_MIP_70	cagagcctctacgtgtccaCTTCAGCTTCCCGATATCCGACGGTAGTGTcttgagataaacagtac
SPTAN1_MIP_71	gtgtcctgtgactgacatCTTCAGCTTCCCGATATCCGACGGTAGTGTtctcatgctttgtttctg
SPTAN1_MIP_72	cagaaaaaaaggcatgagatcaCTTCAGCTTCCCGATATCCGACGGTAGTGTcagtcacagagacac
SPTAN1_MIP_73	gaaaaattgcaaacagcagctCTTCAGCTTCCCGATATCCGACGGTAGTGTtctcatggtttcactctt
SPTAN1_MIP_74	ccacatcccggctgaactgtCTTCAGCTTCCCGATATCCGACGGTAGTGTtctactcaataacaaggc
SPTAN1_MIP_75	ggttctggtgtctctcaCTTCAGCTTCCCGATATCCGACGGTAGTGTcttcttctttaaactgttt
SPTAN1_MIP_76	aacagataaaagaacaagagttcCTTCAGCTTCCCGATATCCGACGGTAGTGTtagacaccagcaaacg
SPTAN1_MIP_77	attgaactggagcctgtgccCTTCAGCTTCCCGATATCCGACGGTAGTGTtagcaggaactggtttgaa
SPTAN1_MIP_78	aggagattgccatgtcgaCTTCAGCTTCCCGATATCCGACGGTAGTGTctaagactgatgtccaag
SPTAN1_MIP_79	gcagaactcaacacaggaCTTCAGCTTCCCGATATCCGACGGTAGTGTcttcatagatttactctct
SPTAN1_MIP_80	gcttgtgctcttctcagttCTTCAGCTTCCCGATATCCGACGGTAGTGTggtttgggactgagtg
SPTAN1_MIP_81	gtaagcaaggaggcggcCTTCAGCTTCCCGATATCCGACGGTAGTGTcttcttcttctgttttca
SPTAN1_MIP_82	catgggcagatatctgctCTTCAGCTTCCCGATATCCGACGGTAGTGTacaaccttggagaatggct
SPTAN1_MIP_83	cagaagatcaagagcatggcCTTCAGCTTCCCGATATCCGACGGTAGTGTgacctctatgtcccct
SPTAN1_MIP_84	gcccgttgatggtgtcctctCTTCAGCTTCCCGATATCCGACGGTAGTGTctagaggctgagaagaca
SPTAN1_MIP_85	ccggctattcaggaaggagCTTCAGCTTCCCGATATCCGACGGTAGTGTctgtttccatctctcatt
SPTAN1_MIP_86	gcttctcctcaggtctgcacCTTCAGCTTCCCGATATCCGACGGTAGTGTgaataaagcgaagggg
SPTAN1_MIP_87	aaagagctgaagcagctgcaCTTCAGCTTCCCGATATCCGACGGTAGTGTtagctactgctgtaacct
SPTAN1_MIP_88	gtgtgtcatcgacagcttctCTTCAGCTTCCCGATATCCGACGGTAGTGTgctggccttccacttg
SPTAN1_MIP_89	attatggcagactctgcccCTTCAGCTTCCCGATATCCGACGGTAGTGTgatttcttctgtctct

SPTAN1_MIP_90	ggccaccagggtcattttctcatCTTCAGCTTCCCGATATCCGACGGTAGTGTgagcaggggccctcaac
SPTAN1_MIP_91	cccattggaagacctccatcgCTTCAGCTTCCCGATATCCGACGGTAGTGTctctggctcttctactc
SPTAN1_MIP_92	gagtagaagcagccaaggcacCTTCAGCTTCCCGATATCCGACGGTAGTGTggaggcttccaatggg
SPTAN1_MIP_93	actggcctctctcagttcaaCTTCAGCTTCCCGATATCCGACGGTAGTGTgtgtgctctctccatg
SPTAN1_MIP_94	gctttctccaggctgacactttCTTCAGCTTCCCGATATCCGACGGTAGTGTcagctctgggaaggctc
SPTAN1_MIP_95	gtatgcagatagcatctgtgagCTTCAGCTTCCCGATATCCGACGGTAGTGTattttccacactctgttt
SPTAN1_MIP_96	gtggaaaataactgccctccCTTCAGCTTCCCGATATCCGACGGTAGTGTatctgcatactttcaacc
SPTAN1_MIP_97	gttcagccaaggccatcgagCTTCAGCTTCCCGATATCCGACGGTAGTGTctgtggagtcaccacaaat
SPTAN1_MIP_98	gagaagctgatctttgagggaCTTCAGCTTCCCGATATCCGACGGTAGTGTcggaagtgactctgag
SPTAN1_MIP_99	ggaagctgtgagctcagtgcaCTTCAGCTTCCCGATATCCGACGGTAGTGTcaagaagaagcttggag
SPTAN1_MIP_100	aaatcaaagctttgcgagggCTTCAGCTTCCCGATATCCGACGGTAGTGTactcagctctctctgtctc
SPTAN1_MIP_101	cggggctgttaagtctctctCTTCAGCTTCCCGATATCCGACGGTAGTGTcggaagctcttgactgg
SPTAN1_MIP_102	aaaatcatcaaggtacacctcccCTTCAGCTTCCCGATATCCGACGGTAGTGTgctctgccaggctga
SPTAN1_MIP_103	gggcctccatgtaaacaggCTTCAGCTTCCCGATATCCGACGGTAGTGTcttctgtgactcagtta
SPTAN1_MIP_104	cgccaggagttggccagcacCTTCAGCTTCCCGATATCCGACGGTAGTGTgagccatctggaaggag
SPTAN1_MIP_105	ccgctgttctctgagctCTTCAGCTTCCCGATATCCGACGGTAGTGTcttaagtacagcaggacat
SPTAN1_MIP_106	gtggctggctgtggaggaCTTCAGCTTCCCGATATCCGACGGTAGTGTgtttgccgacaccactt
SPTAN1_MIP_107	gagacaagtggtgtccggaacaCTTCAGCTTCCCGATATCCGACGGTAGTGTatctccacaagccag
SPTAN1_MIP_108	gtggggctctggcccagcagagaCTTCAGCTTCCCGATATCCGACGGTAGTGTtctcattctgagctctc
SPTAN1_MIP_109	acgtggaaggacagtgaggaaagCTTCAGCTTCCCGATATCCGACGGTAGTGTagggaagggtaccctg
SPTAN1_MIP_110	acatggaaggacagtgaggaaagCTTCAGCTTCCCGATATCCGACGGTAGTGTagggaagggtaccctg
SPTAN1_MIP_111	cctcatctggaacaagaacacCTTCAGCTTCCCGATATCCGACGGTAGTGTgactgagctgagggc
SPTAN1_MIP_112	caggctctgatcttttgagctCTTCAGCTTCCCGATATCCGACGGTAGTGTctgctctccagggtgt
SPTAN1_MIP_113	ccctaattctgtttttctccagCTTCAGCTTCCCGATATCCGACGGTAGTGTgggcatgcatgag
SPTAN1_MIP_114	gaacagacctccacacagcaggtCTTCAGCTTCCCGATATCCGACGGTAGTGTctgctgcccgaacacc
SPTAN1_MIP_115	gagttcaggcaatctggacacCTTCAGCTTCCCGATATCCGACGGTAGTGTccctggcttggctg
SPTAN1_MIP_116	caggcaagattgaactcctgatCTTCAGCTTCCCGATATCCGACGGTAGTGTcgggcagaggctcaca
SPTAN1_MIP_117	gagggaagcctacgtgaccaagCTTCAGCTTCCCGATATCCGACGGTAGTGTttgctctccccgctcc
SPTAN1_MIP_118	gctctcaatctcctgctggaCTTCAGCTTCCCGATATCCGACGGTAGTGTctcagctctgccacaaatt
SPTAN1_MIP_119	cgctttctgtaactgagccaCTTCAGCTTCCCGATATCCGACGGTAGTGTgggtccatcttaccaca
SPTAN1_MIP_120	gggtgaactccactgagctgaaCTTCAGCTTCCCGATATCCGACGGTAGTGTaagtaagcaggcttaag
CDKL5_MIP_1	cgctcttgagtttgagcaatCTTCAGCTTCCCGATATCCGACGGTAGTGTcttttggctcatgtttt
CDKL5_MIP_2	actcctctttgatgcaagcCTTCAGCTTCCCGATATCCGACGGTAGTGTggtggaataactaactgtt
CDKL5_MIP_3	gtcttctgctgaggcatgtaCTTCAGCTTCCCGATATCCGACGGTAGTGTgcccttgattgttacttc
CDKL5_MIP_4	aaagaagtaaacatcaaggccCTTCAGCTTCCCGATATCCGACGGTAGTGTacatgccaccacgcaaa
CDKL5_MIP_5	gttttatacatagagtggtCTTCAGCTTCCCGATATCCGACGGTAGTGTtctctctgctcttttcc
CDKL5_MIP_6	agggaaaagaagcagaaggaCTTCAGCTTCCCGATATCCGACGGTAGTGTccacactctatgataaaa
CDKL5_MIP_7	ggggaaagttgacttggtCTTCAGCTTCCCGATATCCGACGGTAGTGTtttttagtctctaccatt
CDKL5_MIP_8	gttttctgctgagagctcctCTTCAGCTTCCCGATATCCGACGGTAGTGTgacagaacagccttaaat
CDKL5_MIP_9	actggtccataagaatgatatCTTCAGCTTCCCGATATCCGACGGTAGTGTgcttaccataattgggaa
CDKL5_MIP_10	aggtggaactcattggcaCTTCAGCTTCCCGATATCCGACGGTAGTGTactcttaactttatgtgag
CDKL5_MIP_11	gtaacacataggtagctttCTTCAGCTTCCCGATATCCGACGGTAGTGTtttttttatcttgacact
CDKL5_MIP_12	gagtgtaagataaaaaaaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTaaaagctacctatgttta
CDKL5_MIP_13	ggtgagttaccgtccaaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTtctttttcaaaagtacaac
CDKL5_MIP_14	gcattattgcctctgacagaCTTCAGCTTCCCGATATCCGACGGTAGTGTgagtaactcaaaagcaaat
CDKL5_MIP_15	cttagcagtgagacgcttctCTTCAGCTTCCCGATATCCGACGGTAGTGTgttccaataattggaaa
CDKL5_MIP_16	cccaagaatacagcccaccgacCTTCAGCTTCCCGATATCCGACGGTAGTGTcatggaagcaggattac
CDKL5_MIP_17	ggaatgctaaactatctttgaaCTTCAGCTTCCCGATATCCGACGGTAGTGTcacttccatctgacag
CDKL5_MIP_18	ggtaaggccaattgatattatctCTTCAGCTTCCCGATATCCGACGGTAGTGTcacatgctctcccaaa
CDKL5_MIP_19	ggtatcttctccaaggactCTTCAGCTTCCCGATATCCGACGGTAGTGTtattcataaaagcaggc
CDKL5_MIP_20	gttctctcaaggctagcaCTTCAGCTTCCCGATATCCGACGGTAGTGTgactttgtaattgtcttaa
CDKL5_MIP_21	atcagaagtctctgggtttaaCTTCAGCTTCCCGATATCCGACGGTAGTGTcactctccactact
CDKL5_MIP_22	gtctccctccaatgaaagcCTTCAGCTTCCCGATATCCGACGGTAGTGTggaactgatatactcttt
CDKL5_MIP_23	gggcaggcctacactcaggtCTTCAGCTTCCCGATATCCGACGGTAGTGTgtgagatcttctggtgag
CDKL5_MIP_24	cagggcaaaagtacctcaagtcaaCTTCAGCTTCCCGATATCCGACGGTAGTGTaagcagccagctggg
CDKL5_MIP_25	gcctctgaaggctttgggtCTTCAGCTTCCCGATATCCGACGGTAGTGTgtgtcaatatagctatgcc
CDKL5_MIP_26	gtctgtgagcaactttctgagCTTCAGCTTCCCGATATCCGACGGTAGTGTcaagctgggacactgc
CDKL5_MIP_27	ccttgctctgtaggaggactCTTCAGCTTCCCGATATCCGACGGTAGTGTctggtgggagaattcaag
CDKL5_MIP_28	cacaaccagacattcaagacCTTCAGCTTCCCGATATCCGACGGTAGTGTtccatctagctgcttag
CDKL5_MIP_29	ccagcttccctcattcggtCTTCAGCTTCCCGATATCCGACGGTAGTGTggtgtagccagctcaaaa
CDKL5_MIP_30	catagggcaaggatggcagcCTTCAGCTTCCCGATATCCGACGGTAGTGTgacacctacgaatctttt
CDKL5_MIP_31	caagcttccatcaagccctgCTTCAGCTTCCCGATATCCGACGGTAGTGTggacctcatcatatccc
CDKL5_MIP_32	cagaagtctgaggtatgtcacCTTCAGCTTCCCGATATCCGACGGTAGTGTaacaggatgctcttataaa
CDKL5_MIP_33	ctgtgatggaaggaaaggctCTTCAGCTTCCCGATATCCGACGGTAGTGTtactactttataagccac
CDKL5_MIP_34	gtccaaggagagttgtagCTTCAGCTTCCCGATATCCGACGGTAGTGTaggcaatattgtcatatag

CDKL5_MIP_35	gggtctattttcttgggggctCTTCAGTCCCGATATCCGACGGTAGTGTggcctgagtcggtgaa
CDKL5_MIP_36	aaaagacaaccagcattcagCTTCAGTCCCGATATCCGACGGTAGTGTgtagcattcagtgactact
CDKL5_MIP_37	gagtggttggtccagaactgcCTTCAGTCCCGATATCCGACGGTAGTGTgcttagcaggagaaaagga
CDKL5_MIP_38	ggtcaatgaaaaaagaaaagaaCTTCAGTCCCGATATCCGACGGTAGTGTtttgcacacaatggca
CDKL5_MIP_39	aaatccttgcttcttttccCTTCAGTCCCGATATCCGACGGTAGTGTatcaacttgattgcca
CDKL5_MIP_40	agatctcagatctcagaccCTTCAGTCCCGATATCCGACGGTAGTGTgtcttattgaatgctgtc
CDKL5_MIP_41	cctttggtctgctgttggagCTTCAGTCCCGATATCCGACGGTAGTGTgagaggcctaatttctct
CDKL5_MIP_42	attcctctcagaattcgaCTTCAGTCCCGATATCCGACGGTAGTGTgattctcatcttcttct
CDKL5_MIP_43	attgaggccgaagagatgtaCTTCAGTCCCGATATCCGACGGTAGTGTgggttctccggatgt
CDKL5_MIP_44	ccttctactctgaacagctgggCTTCAGTCCCGATATCCGACGGTAGTGTaggcctctggcggag
CDKL5_MIP_45	caagctgccataacgacctCTTCAGTCCCGATATCCGACGGTAGTGTttttgttctcccactaac
CDKL5_MIP_46	gtagtgaggagaaacaaagaCTTCAGTCCCGATATCCGACGGTAGTGTggctgtatggcagcttg
CDKL5_MIP_47	ccgaggcacttcatgtgccCTTCAGTCCCGATATCCGACGGTAGTGTactgcctctgaatatttct
CDKL5_MIP_48	cctggagtactggataggagcCTTCAGTCCCGATATCCGACGGTAGTGTgcaattccgaggtacagc
CDKL5_MIP_49	gctgcgctctgacatacctCTTCAGTCCCGATATCCGACGGTAGTGTcagagtgcacctgtagc
CDKL5_MIP_50	ggttacctggccctgtgaCTTCAGTCCCGATATCCGACGGTAGTGTatgggtgattcattggtgt
ARX_MIP_1	ccttgccctgagcctcagcCTTCAGTCCCGATATCCGACGGTAGTGTgagtggtgctgagtgaggt
ARX_MIP_2	gcacgcgccgagctcagcagctCTTCAGTCCCGATATCCGACGGTAGTGTgctcctctgagacagc
ARX_MIP_3	cgctcgggagcgtctcccgctCTTCAGTCCCGATATCCGACGGTAGTGTtccacggagctggctg
ARX_MIP_4	gaggagtaggctcgggaaggCTTCAGTCCCGATATCCGACGGTAGTGTgacttccgagctgctg
ARX_MIP_5	cggccagcctgcccagcCTTCAGTCCCGATATCCGACGGTAGTGTcaccaccgctcagcccc
ARX_MIP_6	ggttctggaaccagactcgaaggCTTCAGTCCCGATATCCGACGGTAGTGTcggagggaaggggctg
ARX_MIP_7	cggccaagtggcgcaagcgggaCTTCAGTCCCGATATCCGACGGTAGTGTcgcggtgaaaggaagg
ARX_MIP_8	ctattctctctatggcaggcCTTCAGTCCCGATATCCGACGGTAGTGTtcttcctctgttgtgc
ARX_MIP_9	gctgcacaacagagggaagagCTTCAGTCCCGATATCCGACGGTAGTGTcctgccaatagaggagaaa
ARX_MIP_10	ccctctccgagtcgctcccCTTCAGTCCCGATATCCGACGGTAGTGTgaccaccctcagcgc
ARX_MIP_11	caggttcaccagctaccagctgCTTCAGTCCCGATATCCGACGGTAGTGTaccaaaggaggagctc
ARX_MIP_12	gcgcggggctgctctccagcCTTCAGTCCCGATATCCGACGGTAGTGTcgtcttccgggtcagc
ARX_MIP_13	cagcagctgctcctcagctCTTCAGTCCCGATATCCGACGGTAGTGTaggacaagaagagaggac
ARX_MIP_14	cgggtgctgagcctccgggCTTCAGTCCCGATATCCGACGGTAGTGTcagagcttcttctct
ARX_MIP_15	aggagcctcggcgtggccCTTCAGTCCCGATATCCGACGGTAGTGTcgtcaagatcagcaggcg
ARX_MIP_16	cggaggggctccccgctgCTTCAGTCCCGATATCCGACGGTAGTGTcggcgtgatctcactcgg
ARX_MIP_17	cgccaccgcaaccgctggCTTCAGTCCCGATATCCGACGGTAGTGTgctcggcctgtacggc
ARX_MIP_18	cggggagtccagcaggcctgCTTCAGTCCCGATATCCGACGGTAGTGTggaggcggcccccgcc
ARX_MIP_19	gatgtagtaggagagcaaaCTTCAGTCCCGATATCCGACGGTAGTGTcctgacgggagatcct
ARX_MIP_20	cccgtcaaaatgctggtgCTTCAGTCCCGATATCCGACGGTAGTGTcctgggaaaagccccag
PCDH19_MIP_1	gggctcagctcagaggagcCTTCAGTCCCGATATCCGACGGTAGTGTtttcttcttctggagac
PCDH19_MIP_2	ggagctgatagcagaaagctCTTCAGTCCCGATATCCGACGGTAGTGTaagagctctctcccac
PCDH19_MIP_3	catcgacagctcttcttctCTTCAGTCCCGATATCCGACGGTAGTGTgtagaacagggaaggc
PCDH19_MIP_4	gaggcattagcctgtaccCTTCAGTCCCGATATCCGACGGTAGTGTcaaccttgggaaagatgt
PCDH19_MIP_5	cacatgctcagggacttgaacCTTCAGTCCCGATATCCGACGGTAGTGTcctctcctcagcgggt
PCDH19_MIP_6	ggaacatcatcgctgtctCTTCAGTCCCGATATCCGACGGTAGTGTtttcttttccaaacagat
PCDH19_MIP_7	ccttgggaaatggcacttttagCTTCAGTCCCGATATCCGACGGTAGTGTggcattctccggca
PCDH19_MIP_8	gtcactctctcatgtccactaCTTCAGTCCCGATATCCGACGGTAGTGTtaccatccaaccagctct
PCDH19_MIP_9	catgatgtccagggagcctCTTCAGTCCCGATATCCGACGGTAGTGTtttaaaatcagatctgtca
PCDH19_MIP_10	gatttcaactgcctacttagaCTTCAGTCCCGATATCCGACGGTAGTGTaagcaagcaaaccaaca
PCDH19_MIP_11	gttggttcttcttattgctCTTCAGTCCCGATATCCGACGGTAGTGTtagggcagcttcaaatct
PCDH19_MIP_12	gttctccacattcagaaagctCTTCAGTCCCGATATCCGACGGTAGTGTacagagcacttagctg
PCDH19_MIP_13	gaataccgcaacaccagctCTTCAGTCCCGATATCCGACGGTAGTGTtagacagacaagatgaacg
PCDH19_MIP_14	attctatgtgacagaaaggcagCTTCAGTCCCGATATCCGACGGTAGTGTaggaaagagcaactgac
PCDH19_MIP_15	gctgagtactcctatggcaCTTCAGTCCCGATATCCGACGGTAGTGTatgtaatcaccagaataag
PCDH19_MIP_16	agccgaggagacaagttagctCTTCAGTCCCGATATCCGACGGTAGTGTatgagggaaatgccttt
PCDH19_MIP_17	aaggacaaaacagcaagtgtctCTTCAGTCCCGATATCCGACGGTAGTGTctttatgttccagtga
PCDH19_MIP_18	atcaaggacaagtcaacagagcCTTCAGTCCCGATATCCGACGGTAGTGTaagaaagaaactggct
PCDH19_MIP_19	cattattgcctgggctcattCTTCAGTCCCGATATCCGACGGTAGTGTatgagctatcgtgggtg
PCDH19_MIP_20	ggtcatgtcgtagtgactggCTTCAGTCCCGATATCCGACGGTAGTGTgagatgcttccggtgt
PCDH19_MIP_21	gaccgcttcttgaatatCTTCAGTCCCGATATCCGACGGTAGTGTtctgattaacggcactgc
PCDH19_MIP_22	ccttggccagcacttgaattCTTCAGTCCCGATATCCGACGGTAGTGTtggggatgtatgacc
PCDH19_MIP_23	gctacgtgctggctcatcatCTTCAGTCCCGATATCCGACGGTAGTGTtccactatgtccatcaa
PCDH19_MIP_24	cagataggccagcagctgttCTTCAGTCCCGATATCCGACGGTAGTGTtagatgtcctgagttgg
PCDH19_MIP_25	gacctggctcaaccgagctCTTCAGTCCCGATATCCGACGGTAGTGTgcttaccctgctcat
PCDH19_MIP_26	cagaatagtggagaagctctCTTCAGTCCCGATATCCGACGGTAGTGTggtgtcattttcgtcag
PCDH19_MIP_27	gcacgaccaatacaacctcaactCTTCAGTCCCGATATCCGACGGTAGTGTgtgtctgatcgcgact
PCDH19_MIP_28	attgtcattggttccagcagcCTTCAGTCCCGATATCCGACGGTAGTGTactgcacagctcattga
PCDH19_MIP_29	cggctatcaacctgctcagctCTTCAGTCCCGATATCCGACGGTAGTGTactggcctttagactac



PCDH19_MIP_30	catagaaggagtagaccacctggCTTCAGCTTCCCGATATCCGACGGTAGTGTccaagctcttagctgc
PCDH19_MIP_31	gctctttcagatcgaccgcacaCTTCAGCTTCCCGATATCCGACGGTAGTGTggtagctgcccagaaa
PCDH19_MIP_32	ccaccgtctagcgcagtgattcCTTCAGCTTCCCGATATCCGACGGTAGTGTgacgggtgtgtgggagg
PCDH19_MIP_33	gactcfaatgacaacaaccggCTTCAGCTTCCCGATATCCGACGGTAGTGTtttgcgaactcgtggt
PCDH19_MIP_34	cgcaaaagctcctgagctgCTTCAGCTTCCCGATATCCGACGGTAGTGTaagctgtagtgcgactgc
PCDH19_MIP_35	gcagacttacagagctcagccCTTCAGCTTCCCGATATCCGACGGTAGTGTaaggacctgaacgacaatg
PCDH19_MIP_36	ggtcaatcttctgctgtgaccCTTCAGCTTCCCGATATCCGACGGTAGTGTctgcccggaaactgggc
PCDH19_MIP_37	gaggtcatgtccagctcaatggaCTTCAGCTTCCCGATATCCGACGGTAGTGTtttccgctgggtgcaaa
PCDH19_MIP_38	gcctgctcctctctaccgaCTTCAGCTTCCCGATATCCGACGGTAGTGTgagctgggattgatgcca
PCDH19_MIP_39	ggtgattgccaacgtggccaaagaCTTCAGCTTCCCGATATCCGACGGTAGTGTgacagaccccgtagcag
CACNA2D1_MIP_1	aacaccaccacagctcagataaaCTTCAGCTTCCCGATATCCGACGGTAGTGTgggtcggagttaacta
CACNA2D1_MIP_2	ccctgtggtatattcattggaaCTTCAGCTTCCCGATATCCGACGGTAGTGTggattactctgaaagatgt
CACNA2D1_MIP_3	cgtagcctaaaagagactgtCTTCAGCTTCCCGATATCCGACGGTAGTGTggacagtgaccattaatt
CACNA2D1_MIP_4	ccaaatcctgtgacatggtCTTCAGCTTCCCGATATCCGACGGTAGTGTtggatgagagtaaatgatg
CACNA2D1_MIP_5	gcttttccatgaaagattctCTTCAGCTTCCCGATATCCGACGGTAGTGTatggttttccctccaga
CACNA2D1_MIP_6	agcaaaaggacatgctcatCTTCAGCTTCCCGATATCCGACGGTAGTGTatgtaagaatcttgaaga
CACNA2D1_MIP_7	gtcatcatcctccatctcaacCTTCAGCTTCCCGATATCCGACGGTAGTGTctctgaaataaataaatt
CACNA2D1_MIP_8	ggcctcccgtccaagcagaCTTCAGCTTCCCGATATCCGACGGTAGTGTcttatacgtttattttgctc
CACNA2D1_MIP_9	gtttttacatgtaccatacacaCTTCAGCTTCCCGATATCCGACGGTAGTGTatgacaaggtctgagca
CACNA2D1_MIP_10	gtaaatgctcagacctgtcaCTTCAGCTTCCCGATATCCGACGGTAGTGTatgtatggttacctgta
CACNA2D1_MIP_11	gtcaaaatttagttttattCTTCAGCTTCCCGATATCCGACGGTAGTGTcaattctcaaggggtactca
CACNA2D1_MIP_12	ataagattgttaaaagcatCTTCAGCTTCCCGATATCCGACGGTAGTGTtactgatactgaggacact
CACNA2D1_MIP_13	cagtcagtagtgagccggtCTTCAGCTTCCCGATATCCGACGGTAGTGTattttaagtcagcgttct
CACNA2D1_MIP_14	caaaataaagtgaacagttaacacCTTCAGCTTCCCGATATCCGACGGTAGTGTtccgggaaacacact
CACNA2D1_MIP_15	gctttcaaaagtgtttcccCTTCAGCTTCCCGATATCCGACGGTAGTGTaatgtttaactgttcaact
CACNA2D1_MIP_16	gttataattagaaatctgaaatCTTCAGCTTCCCGATATCCGACGGTAGTGTatgtatttaaatagtt
CACNA2D1_MIP_17	gaaaactattaaatcacttCTTCAGCTTCCCGATATCCGACGGTAGTGTttcagaatttctaattat
CACNA2D1_MIP_18	gtataattagatgtaatacaacCTTCAGCTTCCCGATATCCGACGGTAGTGTacatagcataaagaatttt
CACNA2D1_MIP_19	gatatttttaaaatttctatgCTTCAGCTTCCCGATATCCGACGGTAGTGTgcaaaaggtgtattaca
CACNA2D1_MIP_20	ggcaccaggtccaatttctaCTTCAGCTTCCCGATATCCGACGGTAGTGTaatataaagccaagtaaca
CACNA2D1_MIP_21	atcgggcattatgtaagcaaCTTCAGCTTCCCGATATCCGACGGTAGTGTgctagaattttaagcaa
CACNA2D1_MIP_22	gccctaaggaggaaatggctCTTCAGCTTCCCGATATCCGACGGTAGTGTgagaaaagctgaattcaaaa
CACNA2D1_MIP_23	ggcaagaaaaccagagacatCTTCAGCTTCCCGATATCCGACGGTAGTGTcttcttagacatacctga
CACNA2D1_MIP_24	cagaagacaaaacaggaaatgCTTCAGCTTCCCGATATCCGACGGTAGTGTacaaatccttggcgagct
CACNA2D1_MIP_25	aagactgcgcaaggattgtCTTCAGCTTCCCGATATCCGACGGTAGTGTcatttctgttttcttct
CACNA2D1_MIP_26	cgcttactcaaacagaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTactaaatgaaatcgaaat
CACNA2D1_MIP_27	gcaggcttacaatgaacttCTTCAGCTTCCCGATATCCGACGGTAGTGTtactctaaatgcttttg
CACNA2D1_MIP_28	gcagtaactcttgaaaaaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTgaaccacactcaagcaat
CACNA2D1_MIP_29	gcagtaactctgaaaaaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTgaaccacactcaagcaat
CACNA2D1_MIP_30	attcaacgagtttattgatagaaCTTCAGCTTCCCGATATCCGACGGTAGTGTgttttctactcctt
CACNA2D1_MIP_31	ggattagataggttaattcagagctCTTCAGCTTCCCGATATCCGACGGTAGTGTaaggctagctactgat
CACNA2D1_MIP_32	cagtagctagccctcaacaCTTCAGCTTCCCGATATCCGACGGTAGTGTgaattacctatctaactctg
CACNA2D1_MIP_33	gcaaaaggggtcataaacaatCTTCAGCTTCCCGATATCCGACGGTAGTGTgaaatgtcaagtgact
CACNA2D1_MIP_34	gtacactgacatttccactgaCTTCAGCTTCCCGATATCCGACGGTAGTGTtttatgaccccttggct
CACNA2D1_MIP_35	agcataaacacaaaacaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTaatggacctgaagta
CACNA2D1_MIP_36	gtgacttcagggtcatttctCTTCAGCTTCCCGATATCCGACGGTAGTGTgtttgtttgtttatgc
CACNA2D1_MIP_37	atatatacgaaaaagtaaagcggCTTCAGCTTCCCGATATCCGACGGTAGTGTacataaaaatagttaat
CACNA2D1_MIP_38	actgtattttatgtatttctCTTCAGCTTCCCGATATCCGACGGTAGTGTttttctgatataatcat
CACNA2D1_MIP_39	caaagctgacctgcaaaatCTTCAGCTTCCCGATATCCGACGGTAGTGTgaataagctagaatcaattc
CACNA2D1_MIP_40	gaattgattcagcttattcttaaCTTCAGCTTCCCGATATCCGACGGTAGTGTggcaggtcagcttgg
CACNA2D1_MIP_41	gggttctacacagaaaacaataCTTCAGCTTCCCGATATCCGACGGTAGTGTgagaatgagtcataacc
CACNA2D1_MIP_42	acattgatttcttgatgcaCTTCAGCTTCCCGATATCCGACGGTAGTGTatcctaggttaattttgca
CACNA2D1_MIP_43	ccattggggcacagctgaaCTTCAGCTTCCCGATATCCGACGGTAGTGTacaatcctataaagaacatt
CACNA2D1_MIP_44	atcctaattggtatgttttataCTTCAGCTTCCCGATATCCGACGGTAGTGTatacaaatgtatttta
CACNA2D1_MIP_45	caagaatcagctggttctataaCTTCAGCTTCCCGATATCCGACGGTAGTGTctaagtccaagctaagt
CACNA2D1_MIP_46	gatgggagtagatgtctttggaCTTCAGCTTCCCGATATCCGACGGTAGTGTctaagtggaaataaa
CACNA2D1_MIP_47	ccagttcctaaaaatagattcagCTTCAGCTTCCCGATATCCGACGGTAGTGTgacttcaacgtcacagt
CACNA2D1_MIP_48	cattactggaaactctccgCTTCAGCTTCCCGATATCCGACGGTAGTGTtttggctctttataaagt
CACNA2D1_MIP_49	ccattggtcttccaaaacCTTCAGCTTCCCGATATCCGACGGTAGTGTatctagaagaagtagaaaat
CACNA2D1_MIP_50	gtgtacctggatgattggttaaCTTCAGCTTCCCGATATCCGACGGTAGTGTattcaacacagcattcc
CACNA2D1_MIP_51	attattttattttataaataCTTCAGCTTCCCGATATCCGACGGTAGTGTaaacaagtttaataatca
CACNA2D1_MIP_52	gattattaaactgtttaaCTTCAGCTTCCCGATATCCGACGGTAGTGTtttataaaataaataatt
CACNA2D1_MIP_53	cgtagaacacagctactggaCTTCAGCTTCCCGATATCCGACGGTAGTGTtagtacacctaataaacta
CACNA2D1_MIP_54	ggtcaacacaattatgacagagCTTCAGCTTCCCGATATCCGACGGTAGTGTattcaactggaaagcact
CACNA2D1_MIP_55	gcagtttctctggaaacatCTTCAGCTTCCCGATATCCGACGGTAGTGTaaaaccacatgatcattat

CACNA2D1_MIP_56	gctattcacggatggaggagaagCTTCAGCTTCCCGATATCCGACGGTAGTGTgcaacctgctcatgctc
CACNA2D1_MIP_57	aacactttttatttcttaccatCTTCAGCTTCCCGATATCCGACGGTAGTGTacaattgaacaacaacaa
CACNA2D1_MIP_58	gaaggcttagtttctcttcttCTTCAGCTTCCCGATATCCGACGGTAGTGTtttgcagttaaacagca
CACNA2D1_MIP_59	gcttactcttcaaatgaaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTaaacagcttaccctga
CACNA2D1_MIP_60	gacaaatgggtccatcatgCTTCAGCTTCCCGATATCCGACGGTAGTGTaatgacgtcatcttatact
CACNA2D1_MIP_61	cctgaattaaattgcaatttctCTTCAGCTTCCCGATATCCGACGGTAGTGTctaggagtgaagtg
CACNA2D1_MIP_62	gttgaattgatattactgactctCTTCAGCTTCCCGATATCCGACGGTAGTGTtagtatttaacaact
CACNA2D1_MIP_63	gggaggatttagataaacagtCTTCAGCTTCCCGATATCCGACGGTAGTGTtttgaagagaaaagcat
CACNA2D1_MIP_64	atattagatagctctaaaaataCTTCAGCTTCCCGATATCCGACGGTAGTGTcatggctagctaaaaat
CACNA2D1_MIP_65	gaatttttagctccatgaaCTTCAGCTTCCCGATATCCGACGGTAGTGTtttttagagcatatctaact
CACNA2D1_MIP_66	cactgtccagttagttcatCTTCAGCTTCCCGATATCCGACGGTAGTGTggaacttgacaatgattga
CACNA2D1_MIP_67	gcgaggaaagaccttcatCTTCAGCTTCCCGATATCCGACGGTAGTGTaataaatgaagacattcagt
CACNA2D1_MIP_68	gcctggctcactgtcatttCTTCAGCTTCCCGATATCCGACGGTAGTGTcaaacagatgtaacattct
CACNA2D1_MIP_69	gaagatgctaatttggagcacCTTCAGCTTCCCGATATCCGACGGTAGTGTgcaagtaagaagtgcat
CACNA2D1_MIP_70	atttaataaaaaaactactCTTCAGCTTCCCGATATCCGACGGTAGTGTatataaggccaacttttta
CACNA2D1_MIP_71	gtaaatgattggccttatCTTCAGCTTCCCGATATCCGACGGTAGTGTtagtattttttataaaa
CACNA2D1_MIP_72	atcttagaattcaaatgaacacCTTCAGCTTCCCGATATCCGACGGTAGTGTcatacacaatgtcaag
CACNA2D1_MIP_73	aaccttttaactactgtattCTTCAGCTTCCCGATATCCGACGGTAGTGTttttatataacaattcc
CACNA2D1_MIP_74	ctggcgtcattatttgggtCTTCAGCTTCCCGATATCCGACGGTAGTGTgagagatgaaaatataaa
CACNA2D1_MIP_75	ggtagaaattgcagccaggCTTCAGCTTCCCGATATCCGACGGTAGTGTaaatacattccaatgggaac
CACNA2D1_MIP_76	ccatgattgatactgcagaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTgtagaactgcattcgaa
CACNA2D1_MIP_77	gcaagaagacctgtcacacCTTCAGCTTCCCGATATCCGACGGTAGTGTatntaaaggcattttaaaga
CACNA2D1_MIP_78	gtgtcagagtcaaggccagcaggCTTCAGCTTCCCGATATCCGACGGTAGTGTggaaccgacccccacc
CACNA2D1_MIP_79	ccaatcttggctcactcgccccCTTCAGCTTCCCGATATCCGACGGTAGTGTcgtgtgctgctctctc
KCNQ2_MIP_1	acagaggtcggagtcggtgtctCTTCAGCTTCCCGATATCCGACGGTAGTGTcaccgtgctgaggagg
KCNQ2_MIP_2	ggcgagggtccctttgggtgacCTTCAGCTTCCCGATATCCGACGGTAGTGTggatgcttcaacagctg
KCNQ2_MIP_3	gatggagatggagctgtcctCTTCAGCTTCCCGATATCCGACGGTAGTGTatgtaggacctgatttgg
KCNQ2_MIP_4	ggcttcagcatctccagctcaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTgacagatgagcttctc
KCNQ2_MIP_5	ccgtggccctggcgcggtgctcCTTCAGCTTCCCGATATCCGACGGTAGTGTggcttctctctcgcc
KCNQ2_MIP_6	acctcccgtgggggaccagggCTTCAGCTTCCCGATATCCGACGGTAGTGTcaaatctgtgctc
KCNQ2_MIP_7	caaagttagcctcgttctgtCTTCAGCTTCCCGATATCCGACGGTAGTGTgcccagaagtcttctgg
KCNQ2_MIP_8	gcccggagccggcccgctaccCTTCAGCTTCCCGATATCCGACGGTAGTGTcaccaccgcccagcagc
KCNQ2_MIP_9	cgcccacagatctggtccacCTTCAGCTTCCCGATATCCGACGGTAGTGTccgaccctcccggcagc
KCNQ2_MIP_10	gatcacggacaaggaccaccaCTTCAGCTTCCCGATATCCGACGGTAGTGTgcttagaccaggggca
KCNQ2_MIP_11	ggacaccaggaaacgcatgaCTTCAGCTTCCCGATATCCGACGGTAGTGTgacaggcaggcgggctctt
KCNQ2_MIP_12	gtgatggactcatcgagcagtCTTCAGCTTCCCGATATCCGACGGTAGTGTtaggaaggtcctggctc
KCNQ2_MIP_13	gcagctctgtcatcacaatgctCTTCAGCTTCCCGATATCCGACGGTAGTGTggcaggaccaccgagc
KCNQ2_MIP_14	ccccggcctcaaagttagcagctCTTCAGCTTCCCGATATCCGACGGTAGTGTcccgggaataggtctccc
KCNQ2_MIP_15	gcacctgtgggctgctctcCTTCAGCTTCCCGATATCCGACGGTAGTGTccatcccggagagagatg
KCNQ2_MIP_16	caagagctggaagcttggggCTTCAGCTTCCCGATATCCGACGGTAGTGTcagttgaaagatctgtct
KCNQ2_MIP_17	ggagagaagtactctgcaagaCTTCAGCTTCCCGATATCCGACGGTAGTGTcctcacagctgggctc
KCNQ2_MIP_18	gaggagagcacagttagtctgCTTCAGCTTCCCGATATCCGACGGTAGTGTtagtaagcaggagggg
KCNQ2_MIP_19	gcccctcctgcttactagagCTTCAGCTTCCCGATATCCGACGGTAGTGTgactaactgtctctctc
KCNQ2_MIP_20	ccccacagctccatgggtcaCTTCAGCTTCCCGATATCCGACGGTAGTGTacaccagggtagcagcag
KCNQ2_MIP_21	ccccctgctactcctggtctCTTCAGCTTCCCGATATCCGACGGTAGTGTgaccatgggactgtgg
KCNQ2_MIP_22	aaggagaggggagtgagctctcCTTCAGCTTCCCGATATCCGACGGTAGTGTaggaggactgagagcc
KCNQ2_MIP_23	gggtggcgtctcagctctcCTTCAGCTTCCCGATATCCGACGGTAGTGTgagacgtcactcccctc
KCNQ2_MIP_24	atgaaacaaatagttgaggaagctCTTCAGCTTCCCGATATCCGACGGTAGTGTggctctgtccatgc
KCNQ2_MIP_25	gaaatgcatggagacagaagccCTTCAGCTTCCCGATATCCGACGGTAGTGTtacttctcaactattgt
KCNQ2_MIP_26	gtacatgggcacggtgaccgCTTCAGCTTCCCGATATCCGACGGTAGTGTcctttgaaaaatacattt
KCNQ2_MIP_27	gccaccaagcaactgtttcatttCTTCAGCTTCCCGATATCCGACGGTAGTGTtcttctcctcgcagtc
KCNQ2_MIP_28	gccaggcactcaggactctgggCTTCAGCTTCCCGATATCCGACGGTAGTGTggtgctgtagaatctcca
KCNQ2_MIP_29	caagatgccctgcaattcatcagCTTCAGCTTCCCGATATCCGACGGTAGTGTggaacaaggctgtgctg
KCNQ2_MIP_30	gtctgggttgcctgaaggttCTTCAGCTTCCCGATATCCGACGGTAGTGTggagtgtgctgacct
KCNQ2_MIP_31	gtggtcagctgatctgtgggacCTTCAGCTTCCCGATATCCGACGGTAGTGTcctcaaggcaggcagg
KCNQ2_MIP_32	gcaaccttaccctcatcgggtCTTCAGCTTCCCGATATCCGACGGTAGTGTgtccagcctgcctcag
KCNQ2_MIP_33	caggcagtgaccagctcctgCTTCAGCTTCCCGATATCCGACGGTAGTGTaaaccacaatgaccacaact
KCNQ2_MIP_34	gtacttggcagagaaggggagCTTCAGCTTCCCGATATCCGACGGTAGTGTtgggttgggtgggtga
KCNQ2_MIP_35	atctcaggaagcgcaggctCTTCAGCTTCCCGATATCCGACGGTAGTGTgaccagactcctgctgctg
KCNQ2_MIP_36	ggggaggcacctggaagctgCTTCAGCTTCCCGATATCCGACGGTAGTGTttagacatcatggtgctc
KCNQ2_MIP_37	gtcagaggggggggaaggttCTTCAGCTTCCCGATATCCGACGGTAGTGTcggcggcagcaccgcaa
KCNQ2_MIP_38	aacaccagatagtcacgatttCTTCAGCTTCCCGATATCCGACGGTAGTGTgcaataaccacccccacca
KCNQ2_MIP_39	ggcgtggagtactctgtcggaCTTCAGCTTCCCGATATCCGACGGTAGTGTcctgtggctgtgctcct
KCNQ2_MIP_40	aggaacctggggcagggaacgCTTCAGCTTCCCGATATCCGACGGTAGTGTcctctctcggcacttc
KCNQ2_MIP_41	gctgtctgttttccaccatcaaCTTCAGCTTCCCGATATCCGACGGTAGTGTctgctgctgctggtg

KCNQ2_MIP_42	cgccgccccgcgaggtttCTTCAGCTTCCCGATATCCGACGGTAGTGTgggcccccgccactc
KCNQ2_MIP_43	gaagcccccaagcgcaacgcttCTTCAGCTTCCCGATATCCGACGGTAGTGTggctctggggctgg
KCNQ2_MIP_44	gctcaggctcagcggggcgcttCAGCTTCCCGATATCCGACGGTAGTGTggagtcggcgccggggg
SLC2A1_MIP_1	agcgatctcatcgaagtccCTTCAGCTTCCCGATATCCGACGGTAGTGTccttagggctgctggagca
SLC2A1_MIP_2	ccatcccctggggctgattcCTTCAGCTTCCCGATATCCGACGGTAGTGTctcctggtctgtcttca
SLC2A1_MIP_3	catcctggcttaggactttggaCTTCAGCTTCCCGATATCCGACGGTAGTGTtagtctcaggaaacttga
SLC2A1_MIP_4	atgaacatgggatggggcaggCTTCAGCTTCCCGATATCCGACGGTAGTGTgagacagtgggggtct
SLC2A1_MIP_5	atgaacatgggatggggcaggCTTCAGCTTCCCGATATCCGACGGTAGTGTgagacagtgggggtct
SLC2A1_MIP_6	gccgttcaggcttctcaaCTTCAGCTTCCCGATATCCGACGGTAGTGTctaccctggatgtctatct
SLC2A1_MIP_7	gagatatgcgagaaggcaggaaCTTCAGCTTCCCGATATCCGACGGTAGTGTaaagatggccacgatgct
SLC2A1_MIP_8	gagctatgcgagaaggcaggaaCTTCAGCTTCCCGATATCCGACGGTAGTGTaaagatggccacgatgct
SLC2A1_MIP_9	cagagacagctcagtgccaccCTTCAGCTTCCCGATATCCGACGGTAGTGTctccagaacctagcaact
SLC2A1_MIP_10	cagagacagctcagtgccaccCTTCAGCTTCCCGATATCCGACGGTAGTGTctccagaacctagcaact
SLC2A1_MIP_11	gagttgctaggttctggagagtCTTCAGCTTCCCGATATCCGACGGTAGTGTggcactgacgtgtctct
SLC2A1_MIP_12	gagttgctaggttctggagagtCTTCAGCTTCCCGATATCCGACGGTAGTGTggcactgacgtgtctct
SLC2A1_MIP_13	cagacaagaaactgttggggcCTTCAGCTTCCCGATATCCGACGGTAGTGTgccagtaagcaagact
SLC2A1_MIP_14	gagctttgcttactggccccCTTCAGCTTCCCGATATCCGACGGTAGTGTcaacagtttctctgtct
SLC2A1_MIP_15	acgaagcctgtggtcaggccCTTCAGCTTCCCGATATCCGACGGTAGTGTgccgtgcccagcagtagat
SLC2A1_MIP_16	cctgggcaccctgcaccagctCTTCAGCTTCCCGATATCCGACGGTAGTGTtctcgaaactggcgaagt
SLC2A1_MIP_17	cattcctgggctccgaggggcttCTTCAGCTTCCCGATATCCGACGGTAGTGTgactcagctctcaag
SLC2A1_MIP_18	cagaaaagatggccactgagaggCTTCAGCTTCCCGATATCCGACGGTAGTGTccacccatctgggact
SLC2A1_MIP_19	gtggccttttctgtaaccgCTTCAGCTTCCCGATATCCGACGGTAGTGTgtgatcaggaggttctcaaa
SLC2A1_MIP_20	cagtcttcttcttcttctcttCTTCAGCTTCCCGATATCCGACGGTAGTGTccagagcgtggtgagc
SLC2A1_MIP_21	aacaaaccacactgtatagcgtCTTCAGCTTCCCGATATCCGACGGTAGTGTccaacgatggcacag
SLC2A1_MIP_22	gtgccatcgttggcttgggaCTTCAGCTTCCCGATATCCGACGGTAGTGTtaacagttggtttgttc
SLC2A1_MIP_23	gtccgggactcccactgcgactCTTCAGCTTCCCGATATCCGACGGTAGTGTcccgggcccgcgact
SLC2A1_MIP_24	gagtcgcccggggccttctctCTTCAGCTTCCCGATATCCGACGGTAGTGTgtagggagtcgggga
SLC2A1_MIP_25	gcatcatctgcgacttctctctCTTCAGCTTCCCGATATCCGACGGTAGTGTgtgggtggggcactc
SLC2A1_MIP_26	gcatcatctgcgacttctctctCTTCAGCTTCCCGATATCCGACGGTAGTGTgtgggtggggcactc
SLC2A1_MIP_27	ccagccatcctatcgtctggtCTTCAGCTTCCCGATATCCGACGGTAGTGTgtgctaaagaactgctc
SLC2A1_MIP_28	actcttggcccggttctctctCTTCAGCTTCCCGATATCCGACGGTAGTGTgggtcagctcagctgtc
SLC2A1_MIP_29	cctgccctctcccactcccCTTCAGCTTCCCGATATCCGACGGTAGTGTctgtctgtagcatctct
SLC2A1_MIP_30	aacactgggggaagcaggggcCTTCAGCTTCCCGATATCCGACGGTAGTGTgtgatgagcaggaagcg
SLC2A1_MIP_31	ggactccatcatgggcaacaagCTTCAGCTTCCCGATATCCGACGGTAGTGTctagaactggggccttc
SCN1A_MIP_1	gtggacatggtcagatcagttCTTCAGCTTCCCGATATCCGACGGTAGTGTaacaatttgtaccaact
SCN1A_MIP_2	gcagctgtccaccttctatCTTCAGCTTCCCGATATCCGACGGTAGTGTaacaagcttctttacgta
SCN1A_MIP_3	gattggctgataggagacttCTTCAGCTTCCCGATATCCGACGGTAGTGTccacctttagtttttt
SCN1A_MIP_4	cgaaaacaagaggaaatctctCTTCAGCTTCCCGATATCCGACGGTAGTGTatttctttacaacgcg
SCN1A_MIP_5	gattgagggcggttcaagcCTTCAGCTTCCCGATATCCGACGGTAGTGTgactcctctctccactc
SCN1A_MIP_6	gccacaaccaaaactcagCTTCAGCTTCCCGATATCCGACGGTAGTGTgactcctgagtgaggatg
SCN1A_MIP_7	gttcaccacaaccaggaaggataCTTCAGCTTCCCGATATCCGACGGTAGTGTgactcctgagtgaggatg
SCN1A_MIP_8	gcggtcatcctggagaacttctCTTCAGCTTCCCGATATCCGACGGTAGTGTccgactgtgacctataaa
SCN1A_MIP_9	gtctaaagtgaacatgtctctCTTCAGCTTCCCGATATCCGACGGTAGTGTactgagctccagggtt
SCN1A_MIP_10	ggcaacagcatgctgcttaCTTCAGCTTCCCGATATCCGACGGTAGTGTtctcctgctgttaacat
SCN1A_MIP_11	actcggaaacaggtgagggaCTTCAGCTTCCCGATATCCGACGGTAGTGTatgactaggaagagtaggag
SCN1A_MIP_12	gatcaaaaggagaaaggggaCTTCAGCTTCCCGATATCCGACGGTAGTGTtttctcactggttgatt
SCN1A_MIP_13	agttcagtacacacttcaCTTCAGCTTCCCGATATCCGACGGTAGTGTtttcagcttctcactttaa
SCN1A_MIP_14	gatttgggtgtcattctctCTTCAGCTTCCCGATATCCGACGGTAGTGTccagagtaaatgtgac
SCN1A_MIP_15	cattcctgaaattgttctgtaCTTCAGCTTCCCGATATCCGACGGTAGTGTgactcctgcaaaaatgg
SCN1A_MIP_16	gactcgtaacagacaagtCTTCAGCTTCCCGATATCCGACGGTAGTGTgactccttcaaaaaac
SCN1A_MIP_17	ataaagatgcttacctcaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTaaagttttgtttgtat
SCN1A_MIP_18	aaaccgaaaagcctataaccCTTCAGCTTCCCGATATCCGACGGTAGTGTgaaaaaatgtacaaaagg
SCN1A_MIP_19	ggaccaaaagatgataaaataCTTCAGCTTCCCGATATCCGACGGTAGTGTgagagaaaactcca
SCN1A_MIP_20	caaccagcagaaaagaagataCTTCAGCTTCCCGATATCCGACGGTAGTGTcctttgtagtggaac
SCN1A_MIP_21	attattcagcttctgctgctCTTCAGCTTCCCGATATCCGACGGTAGTGTcagagaaaatagtttcac
SCN1A_MIP_22	gaaagaaatgagactgctgaCTTCAGCTTCCCGATATCCGACGGTAGTGTtctggctaatttcagcat
SCN1A_MIP_23	gcattcaaacaccctaatacaCTTCAGCTTCCCGATATCCGACGGTAGTGTaccagttgtggttgaat
SCN1A_MIP_24	ccatcatgaatgtcttctgctCTTCAGCTTCCCGATATCCGACGGTAGTGTaaaaaagaatggaagacc
SCN1A_MIP_25	actgaccaatgaaactgcactCTTCAGCTTCCCGATATCCGACGGTAGTGTtaccgttcttctttttc
SCN1A_MIP_26	acagcaaatgcttgggttaCTTCAGCTTCCCGATATCCGACGGTAGTGTgaacatttctctgtaata
SCN1A_MIP_27	acctgtcagcatattcaacCTTCAGCTTCCCGATATCCGACGGTAGTGTgacaaaaaatgaaacgat
SCN1A_MIP_28	gcttctaaaatgggtggcatCTTCAGCTTCCCGATATCCGACGGTAGTGTttttgaaagctaataatgtg
SCN1A_MIP_29	gccttctccacattgattgtCTTCAGCTTCCCGATATCCGACGGTAGTGTcaccttttctaatctcac
SCN1A_MIP_30	gaggaaaaaatggtggaaccCTTCAGCTTCCCGATATCCGACGGTAGTGTaaaaagacaagacaaggac
SCN1A_MIP_31	gctacctctgatgagctactCTTCAGCTTCCCGATATCCGACGGTAGTGTgactcactcaaatgaaa

SCN1A_MIP_32	cctgtagaagaacacccgctCTTCAGCTTCCCGATATCCGACGGTAGTGTtagtaataatcctttctgg
SCN1A_MIP_33	gggggttttatgaatgacatgCTTCAGCTTCCCGATATCCGACGGTAGTGTataccttcccacacat
SCN1A_MIP_34	gtgactgtaccaattgctgtagCTTCAGCTTCCCGATATCCGACGGTAGTGTgggaaagatctgacta
SCN1A_MIP_35	gtttcctaataagagactgtgCTTCAGCTTCCCGATATCCGACGGTAGTGTccactgttagttccatt
SCN1A_MIP_36	caagaagacagttgatgtccCTTCAGCTTCCCGATATCCGACGGTAGTGTaaattgctgtgtaggga
SCN1A_MIP_37	ccttaaaacaacaaaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTcacataagctactcctttg
SCN1A_MIP_38	ggccttgctctgagctcatCTTCAGCTTCCCGATATCCGACGGTAGTGTcatcaagtttagaacctag
SCN1A_MIP_39	gcggaacacaatcaggaaggaCTTCAGCTTCCCGATATCCGACGGTAGTGTgcatatctaagtgggtac
SCN1A_MIP_40	ggggagtggatagagaccatgtgCTTCAGCTTCCCGATATCCGACGGTAGTGTgctggcatcagctctt
SCN1A_MIP_41	gttgccaagattttgccaCTTCAGCTTCCCGATATCCGACGGTAGTGTcaatctttgtagctttacc
SCN1A_MIP_42	atttaaccctgcttggccCTTCAGCTTCCCGATATCCGACGGTAGTGTatgcttttaagaatcataca
SCN1A_MIP_43	ccgtcaaagatattccagccCTTCAGCTTCCCGATATCCGACGGTAGTGTccctgattgtagaaggtt
SCN1A_MIP_44	cctgtagaacttgactcgtCTTCAGCTTCCCGATATCCGACGGTAGTGTaattttgtttgatcttagg
SCN1A_MIP_45	gcttatgctattttcccaCTTCAGCTTCCCGATATCCGACGGTAGTGTatccatggcaataatttc
SCN1A_MIP_46	ggtcaacaatgggtccatcaCTTCAGCTTCCCGATATCCGACGGTAGTGTctaacaacattacccttc
SCN1A_MIP_47	ggccatcaccatctgtattgctCTTCAGCTTCCCGATATCCGACGGTAGTGTatccaggcagaatgcc
SCN1A_MIP_48	cacacacattattcatatcaCTTCAGCTTCCCGATATCCGACGGTAGTGTggagaacagctccaga
SCN1A_MIP_49	gaaagtcctaggaacgtggCTTCAGCTTCCCGATATCCGACGGTAGTGTgtttgaaatgagacaat
SCN1A_MIP_50	atccttcccaaggaacgaCTTCAGCTTCCCGATATCCGACGGTAGTGTgtttgctgtcatattgct
SCN1A_MIP_51	cactgccagcatcgggatCTTCAGCTTCCCGATATCCGACGGTAGTGTtagtagcttacttatta
SCN1A_MIP_52	ccagcgaatgggaagatgacCTTCAGCTTCCCGATATCCGACGGTAGTGTatgatgagcacagacctt
SCN1A_MIP_53	ccacggatgctcaacaagactaCTTCAGCTTCCCGATATCCGACGGTAGTGTcggctcctgtatcctc
SCN1A_MIP_54	ccctattttaccaagggcaCTTCAGCTTCCCGATATCCGACGGTAGTGTtattctgtatgaatctgga
SCN1A_MIP_55	atgctgtcctcagattcagatCTTCAGCTTCCCGATATCCGACGGTAGTGTtctctccatgttttaatt
SCN1A_MIP_56	aggaggaaaggtttctctcCTTCAGCTTCCCGATATCCGACGGTAGTGTccttaagttagtccaa
SCN1A_MIP_57	gcctgctatattgaagaaatCTTCAGCTTCCCGATATCCGACGGTAGTGTtcttttctctccgatt
SCN1A_MIP_58	gcaacggcaactcctcagaCTTCAGCTTCCCGATATCCGACGGTAGTGTtctctgtgagatgatttc
SCN1A_MIP_59	cctcgtaggccatggccaccCTTCAGCTTCCCGATATCCGACGGTAGTGTgataaaagctcagtgccatg
SCN1A_MIP_60	gccacctgggaagacagaaCTTCAGCTTCCCGATATCCGACGGTAGTGTtttgagacattactgtgc
SCN1A_MIP_61	actttcaattactcatgtgtctCTTCAGCTTCCCGATATCCGACGGTAGTGTtagtagaatgagccaa
SCN1A_MIP_62	cagctttcacacatatatccCTTCAGCTTCCCGATATCCGACGGTAGTGTgagtggtctttagtt
SCN1A_MIP_63	aatcccaattatggctacacaaCTTCAGCTTCCCGATATCCGACGGTAGTGTaatcttctgactaggca
SCN1A_MIP_64	atgaacatttgattttaaCTTCAGCTTCCCGATATCCGACGGTAGTGTacatacaaatatacacag
SCN1A_MIP_65	gtatattgtatgtacacataCTTCAGCTTCCCGATATCCGACGGTAGTGTgcaaatgttcatcata
SCN1A_MIP_66	caaggaagcattgggtggagCTTCAGCTTCCCGATATCCGACGGTAGTGTaaggaaatgtacatacaat
SCN1A_MIP_67	atgaaactgtctttgagttgacCTTCAGCTTCCCGATATCCGACGGTAGTGTaaattgggctcagctg
SCN1A_MIP_68	cctgaaagaaagaagtcttactCTTCAGCTTCCCGATATCCGACGGTAGTGTtctcaggtgccat
SCN1A_MIP_69	gaaaaccattgtggagccctgCTTCAGCTTCCCGATATCCGACGGTAGTGTtctcactagctgtgca
SCN1A_MIP_70	gagttcacacacaacacaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTccgtctcattatcaacc
SCN1A_MIP_71	gcaaggttagataatgagacggCTTCAGCTTCCCGATATCCGACGGTAGTGTttttgtttgtgtgga
SCN1A_MIP_72	agaatccccttgcaataattttCTTCAGCTTCCCGATATCCGACGGTAGTGTgcataagcactgatgga
SCN1A_MIP_73	atccatggaactggctcgtCTTCAGCTTCCCGATATCCGACGGTAGTGTaaactgttactttatcaa
SCN1A_MIP_74	gcatgctgaataatgtagttaCTTCAGCTTCCCGATATCCGACGGTAGTGTcagttcaaaatcccaaa
SCN1A_MIP_75	gtgcaatatttgacaaactgCTTCAGCTTCCCGATATCCGACGGTAGTGTtatccctgaaatttggt
SCN1A_MIP_76	ggaagatggccttcccttaCTTCAGCTTCCCGATATCCGACGGTAGTGTtctcagatcatgtacaaat
SCN1A_MIP_77	cacctctgcctgtacattCTTCAGCTTCCCGATATCCGACGGTAGTGTtattatgaaagtaacaga
SCN1A_MIP_78	cactatttgctttgggccaCTTCAGCTTCCCGATATCCGACGGTAGTGTcaaaatagctgataaaaa
SCN1A_MIP_79	catttattatgagacattctcCTTCAGCTTCCCGATATCCGACGGTAGTGTagaatctctgctgct
SCN1A_MIP_80	catctgtcatctgcacattCTTCAGCTTCCCGATATCCGACGGTAGTGTtctcatctttttgtctg
SCN1A_MIP_81	agcaaacagtctgtaccaCTTCAGCTTCCCGATATCCGACGGTAGTGTcatgttcatgacaagaatt
SCN1A_MIP_82	actttgagatgttctatgaggttCTTCAGCTTCCCGATATCCGACGGTAGTGTggaattttcttttt
SCN1A_MIP_83	gttaaatatgtaataaagatcatCTTCAGCTTCCCGATATCCGACGGTAGTGTatattgaattctaag
SCN1A_MIP_84	gaaagtttaaatagctcaggcatCTTCAGCTTCCCGATATCCGACGGTAGTGTatgcacagcactgtgg
SCN1A_MIP_85	aacactcaaatgagaacaggaaggCTTCAGCTTCCCGATATCCGACGGTAGTGTcaaaaattattgactt
GRIN2B_MIP_001	ccctatacagatgtccttctgCTTCAGCTTCCCGATATCCGACGGTAGTGTctaactctctgttccc
GRIN2B_MIP_002	gtgtgcctaacaacaaaacccaCTTCAGCTTCCCGATATCCGACGGTAGTGTggggcgctgaaagcc
GRIN2B_MIP_003	cccaaaagtgggatgaaaggtCTTCAGCTTCCCGATATCCGACGGTAGTGTatgaaagggccagacca
GRIN2B_MIP_004	acgaccagtcttgctccatCTTCAGCTTCCCGATATCCGACGGTAGTGTttgccaacaacagctcctca
GRIN2B_MIP_005	catgaatcggcccttcttcaCTTCAGCTTCCCGATATCCGACGGTAGTGTgctgagcatgtaccgc
GRIN2B_MIP_006	gcccctacgcccacatgtttgCTTCAGCTTCCCGATATCCGACGGTAGTGTccaagaagaaccggac
GRIN2B_MIP_007	cagttcctgaggagttgtccCTTCAGCTTCCCGATATCCGACGGTAGTGTtaggtgctgaggagtct
GRIN2B_MIP_008	cggtgacgtcaaacctccacCTTCAGCTTCCCGATATCCGACGGTAGTGTacggtgacgggtcagaac
GRIN2B_MIP_009	gttggtcaggttcttctccaaCTTCAGCTTCCCGATATCCGACGGTAGTGTtctgcaagcctcacacc
GRIN2B_MIP_010	caactctgcccagctgtcccCTTCAGCTTCCCGATATCCGACGGTAGTGTgaggaggccctgtacca
GRIN2B_MIP_011	gtgagttctcttgttgggaactCTTCAGCTTCCCGATATCCGACGGTAGTGTttgtcggctccc

GRIN2B_MIP_012	gtagacctgaccgacatctacaagCTTCAGCTTCCCGATATCCGACGGTAGTGTgtagggcctaccgtcg
GRIN2B_MIP_013	ccttatattgctgcttacgctcCTTCAGCTTCCCGATATCCGACGGTAGTGTgtagcccttctgttc
GRIN2B_MIP_014	cagcctgaagaagcggcctgctcCTTCAGCTTCCCGATATCCGACGGTAGTGTaagagcaccgtaca
GRIN2B_MIP_015	gcttctgctgatggacctggaCTTCAGCTTCCCGATATCCGACGGTAGTGTgtgagatgctcagagaca
GRIN2B_MIP_016	gacatggcctccctcctcCTTCAGCTTCCCGATATCCGACGGTAGTGTgtgtaccaagatcactacca
GRIN2B_MIP_017	gtttaggatttgtagtcagaatgCTTCAGCTTCCCGATATCCGACGGTAGTGTctatggggccgggtgt
GRIN2B_MIP_018	gccctgtgaggagaacctctcCTTCAGCTTCCCGATATCCGACGGTAGTGTgtaacctgtctgggtgga
GRIN2B_MIP_019	gggggagttcattacagactggcCTTCAGCTTCCCGATATCCGACGGTAGTGTggatgactccctcgga
GRIN2B_MIP_020	caacctgaacaacacactCTTCAGCTTCCCGATATCCGACGGTAGTGTgtgtttttgtgtcatt
GRIN2B_MIP_021	atgaggctgagagccatggcCTTCAGCTTCCCGATATCCGACGGTAGTGTaacaagcttaggcattta
GRIN2B_MIP_022	aacaccttttctattggcagttCTTCAGCTTCCCGATATCCGACGGTAGTGTggctcactgctttgt
GRIN2B_MIP_023	caggaaaggagcagagaaaaggCTTCAGCTTCCCGATATCCGACGGTAGTGTcaatgtccagctggctg
GRIN2B_MIP_024	gccaatggtcaccagcttcaCTTCAGCTTCCCGATATCCGACGGTAGTGTatgggaccttcccttct
GRIN2B_MIP_025	gggaaggcttcttccacCTTCAGCTTCCCGATATCCGACGGTAGTGTtctaaaattcctcattgga
GRIN2B_MIP_026	atatttctctgtgctcggCTTCAGCTTCCCGATATCCGACGGTAGTGTgtgagaaacagatcaagga
GRIN2B_MIP_027	cagaaatgcatgctcatcagggaCTTCAGCTTCCCGATATCCGACGGTAGTGTtccatctcccctctgt
GRIN2B_MIP_028	cactgacaccatgatcttgaCTTCAGCTTCCCGATATCCGACGGTAGTGTgagattcaaatgagctc
GRIN2B_MIP_029	gcctctttgctgtcattctcCTTCAGCTTCCCGATATCCGACGGTAGTGTccagagcctgtggacc
GRIN2B_MIP_030	cacagggtagctcctcctcaCTTCAGCTTCCCGATATCCGACGGTAGTGTaaacacagaccagga
GRIN2B_MIP_031	acatcatcaccatcagctcagCTTCAGCTTCCCGATATCCGACGGTAGTGTaaaaactgggaagtgcag
GRIN2B_MIP_032	gtcttgtagtactcagccctCTTCAGCTTCCCGATATCCGACGGTAGTGTaattcgaattctttgct
GRIN2B_MIP_033	attgatggtgagtgagccactCTTCAGCTTCCCGATATCCGACGGTAGTGTtccaccagcaaacctc
GRIN2B_MIP_034	aggaaacatcggaggtgctcCTTCAGCTTCCCGATATCCGACGGTAGTGTaacctgatagctgtatt
GRIN2B_MIP_035	gatgtcaatacagaacccttgaCTTCAGCTTCCCGATATCCGACGGTAGTGTcagccctgtggcac
GRIN2B_MIP_036	ggttaccatggcaagcatgCTTCAGCTTCCCGATATCCGACGGTAGTGTttgtttcttaattggcta
GRIN2B_MIP_037	caaagcaggccccctcacagCTTCAGCTTCCCGATATCCGACGGTAGTGTttttgatgaaccggct
GRIN2B_MIP_038	gctcagatggtcatcctctgCTTCAGCTTCCCGATATCCGACGGTAGTGTaaagtattgagaggatgc
GRIN2B_MIP_039	gtgacctggaggaggaccCTTCAGCTTCCCGATATCCGACGGTAGTGTggtttctgattctgtgtt
GRIN2B_MIP_040	ccctcaaaagtacattgatcaCTTCAGCTTCCCGATATCCGACGGTAGTGTtctactctcttctca
GRIN2B_MIP_041	aggaattgtcctcagtgaaagCTTCAGCTTCCCGATATCCGACGGTAGTGTactgtctgtctcagcc
GRIN2B_MIP_042	gtgattatggcaattcactctcCTTCAGCTTCCCGATATCCGACGGTAGTGTgccctctgtccacac
GRIN2B_MIP_043	gcttctgacatgctgtgagcCTTCAGCTTCCCGATATCCGACGGTAGTGTtctgtggcaggggatac
GRIN2B_MIP_044	acagtaagaagaatgatggggcCTTCAGCTTCCCGATATCCGACGGTAGTGTagtgggaaactccgcag
GRIN2B_MIP_045	caaggaagaagccactacaCTTCAGCTTCCCGATATCCGACGGTAGTGTcattgagaatagcttggg
GRIN2B_MIP_046	atgttgagcattacggaagctcCTTCAGCTTCCCGATATCCGACGGTAGTGTgaggacctcctagctc
GRIN2B_MIP_047	caccacctatttccctggctCTTCAGCTTCCCGATATCCGACGGTAGTGTcctttttgtctgttct
GRIN2B_MIP_048	atggcttctggtctgtgtatcCTTCAGCTTCCCGATATCCGACGGTAGTGTgcacaaacctcaggcc
GRIN2B_MIP_049	atcctcgattcattcagcacCTTCAGCTTCCCGATATCCGACGGTAGTGTgggtgaaactgtagccat
GRIN2B_MIP_050	gtcgaagtgccacagaggaCTTCAGCTTCCCGATATCCGACGGTAGTGTagacatgagatcacagatgc
GRIN2B_MIP_051	catcaaggatgccacagagaaaCTTCAGCTTCCCGATATCCGACGGTAGTGTagtgtcttcccaagt
GRIN2B_MIP_052	aagaggctagatactcaattcaCTTCAGCTTCCCGATATCCGACGGTAGTGTcgccaaccaaccag

## Supplementary References

1. Capelli, L. P. *et al.* Deletion of the RMGA and CHD2 genes in a child with epilepsy and mental deficiency. *Eur. J. Med. Genet.* **55**, 132-134 (2012).
2. Heinzen, E. L. *et al.* Rare deletions at 16p13.11 predispose to a diverse spectrum of sporadic epilepsy syndromes. *Am. J. Hum. Genet.* **86**, 707-718 (2010).
3. Mefford, H. C. *et al.* Rare copy number variants are an important cause of epileptic encephalopathies. *Ann. Neurol.* **70**, 974-985 (2011).
4. Mefford, H. C. *et al.* Genome-wide copy number variation in epilepsy: novel susceptibility loci in idiopathic generalized and focal epilepsies. *PLoS Genet.* **6**, e1000962 (2010).
5. Chen, J., Bardes, E. E., Aronow, B. J. & Jegga, A. G. ToppGene Suite for gene list enrichment analysis and candidate gene prioritization. *Nucleic Acids Res.* **37**, W305-11 (2009).
6. Tranchevent, L. C. *et al.* ENDEAVOUR update: a web resource for gene prioritization in multiple species. *Nucleic Acids Res.* **36**, W377-84 (2008).
7. Szklarczyk, D. *et al.* The STRING database in 2011: functional interaction networks of proteins, globally integrated and scored. *Nucleic Acids Res.* **39**, D561-8 (2011).
8. Thierry, G. *et al.* Molecular characterization of 1q44 microdeletion in 11 patients reveals three candidate genes for intellectual disability and seizures. *Am. J. Med. Genet. A.* **158A**, 1633-1640 (2012).
9. Tokuda, S. *et al.* A novel Akt3 mutation associated with enhanced kinase activity and seizure susceptibility in mice. *Hum. Mol. Genet.* **20**, 988-999 (2011).
10. Katoh, Y. *et al.* The clavesin family, neuron-specific lipid- and clathrin-binding Sec14 proteins regulating lysosomal morphology. *J. Biol. Chem.* **284**, 27646-27654 (2009).
11. Hruska, M. & Dalva, M. B. Ephrin regulation of synapse formation, function and plasticity. *Mol. Cell. Neurosci.* **50**, 35-44 (2012).
12. Wu, F., Mattson, M. P. & Yao, P. J. Neuronal activity and the expression of clathrin-assembly protein AP180. *Biochem. Biophys. Res. Commun.* **402**, 297-300 (2010).
13. Li, K. X. *et al.* Neuregulin 1 regulates excitability of fast-spiking neurons through Kv1.1 and acts in epilepsy. *Nat. Neurosci.* **15**, 267-273 (2011).
14. Yu, Y. X. *et al.* Syntaxin 1A promotes the endocytic sorting of EAAC1 leading to inhibition of glutamate transport. *J. Cell. Sci.* **119**, 3776-3787 (2006).
15. Van Houdt, J. K. *et al.* Heterozygous missense mutations in SMARCA2 cause Nicolaides-Baraitser syndrome. *Nat. Genet.* **44**, 445-9, S1 (2012).
16. Poduri, A. *et al.* Somatic activation of AKT3 causes hemispheric developmental brain malformations. *Neuron* **74**, 41-48 (2012).