

Supplemental Table S8

Characteristics of the Average Epimutation Clusters and Associated Genes

| Chromosome Cluster | cSTART | cSTOP | Epimutation Associated Genes in Cluster |
|--------------------|-----------|-----------|--|
| chr1 | 77950000 | 81900000 | Qpctl, RGD1565787, Lypd3, Cyp2b1, Cyp2b12 |
| chr1 | 207900000 | 209950000 | Cst6, Mrpl49, Cox8a |
| chr1 | 209650000 | 211800000 | Cox8a, Tut1, Tut1 |
| chr3 | 71950000 | 75450000 | Olr636, Olr681, Olr705, Mtch2 |
| chr3 | 168100000 | 171250000 | Rps21, Ntsr1, Nkain4 |
| chr5 | 158750000 | 162550000 | Ddi2, Agmat, Dnajc16 |
| chr7 | 8350000 | 10900000 | Zbtb7a, Thop1, Timm13 |
| chr7 | 10150000 | 12900000 | Timm13, Apc2, Apc2, Apc2 |
| chr7 | 115950000 | 119550000 | Slc16a8, Kdelr3, Josd1, Cbx7 |
| chr7 | 118800000 | 122750000 | Phf5a, Cyp2d4, Cyp2d3, Parvg |
| chr7 | 135600000 | 139150000 | Lalba, Ddx23, Wnt1 |
| chr9 | 90700000 | 94600000 | Olr1345, Olr1350, Ano7, Dtyrk, Pdcd1 |
| chr10 | 11700000 | 14200000 | Mefv, Prss27, Dci, Sepx1, Nubp2 |
| chr10 | 13300000 | 16100000 | Dci, Sepx1, Nubp2, Hn1l, Itfg3 |
| chr10 | 34200000 | 38400000 | Olr1387, Olr1388, Adamts2, RGD1563273, Col23a1, Sec24a |
| chr10 | 88500000 | 92450000 | Nt5c3l, Dnajc7, Rpl27, Vat1, Tmub2, Hexim1 |
| chr10 | 104950000 | 107950000 | Recql5, RGD1311078, Jmjd6 |
| chr12 | 41000000 | 44500000 | Sfrs9, Dynll1, RGD1311899 |
| chr16 | 17450000 | 21250000 | Rpl18a, Ssbp4, Uba52, Cope |
| chr18 | 28200000 | 31650000 | Hbegf, Pcdha11, Pcdhb6, Pcdhgb8 |
| chr20 | 1600000 | 5500000 | RT1-M6-1, RT1-CE4, RT1-CE3, RT1-CE3, Bat5 |

Clusters with the same gene listed more than once indicates multiple epimutations associated with that gene.