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| --- | --- | --- | --- | --- | --- | --- | --- |
| DMR ID (scaffold\_start) | Methylation State | DMR length | gene\_ID | annotation | SPID | SP description | evalue |
| scaffold1174\_585061 | HYPER | 627 | CGI\_10026054 | exon | P10155 | 60 kDa SS-A/Ro ribonucleoprotein | 1E-113 |
| scaffold1179\_1238509 | HYPER | 505 | CGI\_10027416 | exon | Q8C8U0 | Liprin-beta-1 | 4E-146 |
| scaffold13\_106323 | HYPER | 512 | CGI\_10013201 | exon/intron | P02595 | Calmodulin | 1E-21 |
| scaffold13\_107092 | HYPER | 376 | CGI\_10013201 | intron | P02595 | Calmodulin | 1E-21 |
| scaffold1301\_958441 | HYPER | 503 | CGI\_10027751 | intron | O15027 | Protein transport protein Sec16A | 4E-123 |
| scaffold1316\_110979 | HYPER | 237 | CGI\_10016296 | 5' of gene  | D8VNS7 | Ryncolin-1 | 2E-65 |
| scaffold1562\_130359 | HYPER | 515 | CGI\_10005777 | exon | Q9CZT5 | Vasorin | 8E-20 |
| scaffold1599\_213387 | HYPER | 287 | CGI\_10027141 | intron | Q09225 | Nose resistant to fluoxetine protein 6 | 7E-51 |
| scaffold1603\_51928 | HYPER | 385 | CGI\_10012816 | exon/intron | Q709C8 | Vacuolar protein sorting-associated protein 13C | 2E-81 |
| scaffold1860\_329355 | HYPER | 517 | CGI\_10013950 | exon/intron | Q9QY94 | Glutamine synthetase | 9E-61 |
| scaffold226\_427519 | HYPER | 493 | CGI\_10025356 | exon/intron/exon | Q7TPQ9 | Arrestin domain-containing protein 3 | 1E-53 |
| scaffold258\_191291 | HYPER | 491 | CGI\_10020049 | exon/intron | Q2KIK3 | Uncharacterized protein C4orf34 homolog | 3E-23 |
| scaffold361\_382691 | HYPER | 364 | CGI\_10020861 | intron | Q9H1A4 | Anaphase-promoting complex subunit 1 | 5E-81 |
| scaffold370\_177521 | HYPER | 295 | CGI\_10025527 | intron | Q9WU56 | tRNA pseudouridine synthase A, mitochondrial | 3E-66 |
| scaffold370\_178968 | HYPER | 228 | CGI\_10025527 | intron | Q9WU56 | tRNA pseudouridine synthase A, mitochondrial | 3E-66 |
| scaffold40832\_53831 | HYPER | 257 | CGI\_10004455 | intron | Q9CWR2 | ET and MYND domain-containing protein 3 | 1E-52 |
| scaffold43598\_237957 | HYPER | 499 | CGI\_10011328 | intron | Q9ERH8 | Solute carrier family 28 member 3 | 5E-149 |
| scaffold459\_186321 | HYPER | 247 | CGI\_10018172 | exon | Q10751 | Angiotensin-converting enzyme | 0 |
| scaffold59\_225189 | HYPER | 264 | CGI\_10011277 | intron | Q2M389 | WASH complex subunit 7 | 4E-77 |
| scaffold601\_1116073 | HYPER | 515 | CGI\_10026858 | intron/exon/intron | P41436 | Apoptosis inhibitor IAP | 8E-31 |
| scaffold733\_26797 | HYPER | 379 | CGI\_10025861 | intron | O42603 | Corticotropin-releasing factor receptor 2 | 1E-35 |
| scaffold733\_27741 | HYPER | 1497 | CGI\_10025861 | 5' of gene  | O42603 | Corticotropin-releasing factor receptor 2 | 1E-35 |
| scaffold748\_187113 | HYPER | 387 | CGI\_10012645 | 5' of gene  | P43143 | Neuronal acetylcholine receptor subunit alpha-6 | 9E-53 |
| scaffold759\_29417 | HYPER | 365 | CGI\_10010773 | exon/intron | Q8BV66 | Interferon-induced protein 44 | 2E-30 |
| scaffold759\_32132 | HYPER | 645 | CGI\_10010773 | exon/intron | Q8BV66 | Interferon-induced protein 44 | 2E-30 |
| scaffold801\_257945 | HYPER | 243 | CGI\_10024081 | intron | Q0MQI4 | NADH dehydrogenase [ubiquinone] flavoprotein 1, mitochondrial | 0 |
| scaffold82\_242904 | HYPER | 384 | CGI\_10025251 | exon/intron | Q8C3X4 | Translation factor Guf1, mitochondrial | 0 |
| scaffold1017\_117844 | HYPO | 522 | CGI\_10024982 | intron | P45844 | ATP-binding cassette sub-family G member 1 | 0 |
| scaffold1017\_120083 | HYPO | 627 | CGI\_10024982 | intron | P45844 | ATP-binding cassette sub-family G member 1 | 0 |
| scaffold1409\_145389 | HYPO | 267 | CGI\_10013783 | intron | Q8TDB6 | E3 ubiquitin-protein ligase DTX3L | 1E-52 |
| scaffold146\_686526 | HYPO | 1260 | CGI\_10024919 | 3x exon/intron/exon | Q39575 | Dynein gamma chain, flagellar outer arm | 6E-173 |
| scaffold1532\_587965 | HYPO | 493 | CGI\_10028257 | exon | P35404 | 5-hydroxytryptamine receptor 1B | 1E-37 |
| scaffold1719\_328529 | HYPO | 519 | CGI\_10014288 | exon | Q56A24 | Kelch-like protein 24 | 1E-30 |
| scaffold383\_150405 | HYPO | 285 | CGI\_10023522 | intron | Q5XJ54 | Glutaredoxin 3 | 2E-142 |
| scaffold39470\_52746 | HYPO | 264 | CGI\_10003381 | 5' of gene  | Q05AM5 | Elongator complex protein 2 | 0 |
| scaffold39522\_865 | HYPO | 267 | CGI\_10003390 | intron | Q95KI5 | Solute carrier family 45 member 3 | 3E-43 |
| scaffold39990\_18801 | HYPO | 375 | CGI\_10003762 | exon | A5YM72 | Carnosine synthase 1 | 2E-139 |
| scaffold40050\_47357 | HYPO | 675 | CGI\_10003808 | 2x exon/intron/exon | P41512 | DNA topoisomerase 1 | 6E-48 |
| scaffold41480\_32925 | HYPO | 391 | CGI\_10005126 | intron | Q9ULV0 | Myosin-Vb | 0 |
| scaffold41540\_110085 | HYPO | 615 | CGI\_10005248 | intron | P28799 | Granulins | 2E-148 |
| scaffold42486\_5161 | HYPO | 255 | CGI\_10006974 | intron | Q501L1 | Peptidase M20 domain-containing protein 2 | 2E-103 |
| scaffold42866\_71933 | HYPO | 613 | CGI\_10007991 | intron | D8VNS7 | Ryncolin-1 | 3E-53 |
| scaffold44098\_294746 | HYPO | 619 | CGI\_10017713 | intron | Q5U597 | Src kinase-associated phosphoprotein 2-B | 3E-33 |
| scaffold471\_10813 | HYPO | 377 | CGI\_10026995 | intron | O88572 | Low-density lipoprotein receptor-related protein 6 | 7E-35 |
| scaffold471\_12059 | HYPO | 363 | CGI\_10026995 | exon | O88572 | Low-density lipoprotein receptor-related protein 6 | 7E-35 |