|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **DMR** | **Chromosome** | **start** | **end** | **location** | **gene** | **direction** | **length** |
| 1 | Chr1 | 328001 | 328500 | intron | ENSBTAG00000006648 | hyper | 500bp |
| 2 | Chr1 | 379101 | 379700 | CDS | ENSBTAG00000006648 | hyper | 600bp |
| 3 | Chr15 | 1092601 | 1093400 | CDS | ENSBTAG00000046387 | hypo | 800bp |
| 4 | Chr16 | 11333201 | 11334000 | Distal intergenic | ENSBTAG00000502589 | hypo | 800bp |
| 5 | Chr18 | 57249301 | 57249800 | Promoter | ENSBTAG00000060266 | hypo | 500bp |
| 6 | ChrX | 123940101 | 123940600 | Distal intergenic | ENSBTAG00000051616 | hypo | 500p |
| 7 | ChrX | 123948001 | 123948700 | Distal intergenic | ENSBTAG00000051616 | hypo | 700bp |
| 8 | ChrX | 124021501 | 124022200 | Distal intergenic | ENSBTAG00000038660 | hypo | 700bp |
| 9 | Chr14 | 13777101 | 13777800 | intron | ENSBTAG00000052622 | hypo | 700bp |
| 10 | Chr21 | 33024301 | 33025100 | downstream | ENSBTAG00000516472 | hypo | 800bp |

**Notes:** The absolute methylation difference was higher than 15% (q <1.1e-26). CDS (coding DNA sequence)