**Supplementary table 6:** Genes with differential transcript levels for birthweight in the microarray analysis, also containing CpGs whose methylation levels correlated with birthweight.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Gene Name** | **CpG ID** | **CpG location** | **UCSC\_RefGene\_Group** | **Correlation PValue** | **min beta value** | **max beta value** | **Min-max range** | **average beta for lowest GA samples** | **average beta for highest GA samples** | **Range between highest and lowest GA** |
| DACH1 | cg13726218 | N\_Shore | Body | 0.0355 | 18% | 31% | 13% | 29% | 24% | 5% |
| DACH1 | cg00071658 |  | Body | 0.0403 | 89% | 93% | 5% | 90% | 92% | 2% |
| DACH1 | cg23101138 | S\_Shore | Body | 0.0455 | 80% | 89% | 9% | 87% | 87% | 1% |
| KLC4 | cg10177591 | Island | TSS1500 | 0.0219 | 8% | 11% | 3% | 10% | 9% | 1% |
| KLC4 | cg25550677 | Island | TSS1500 | 0.0431 | 2% | 17% | 15% | 5% | 12% | 6% |
| VENTX | cg22546168 | Island | TSS1500 | 0.0285 | 1% | 4% | 3% | 2% | 1% | 1% |