**Supplemental Table S8:** Differentially methylated genes enriched in Disease pathways of Alzheimer’s disease (Ingenuity pathway analysis)

|  |  |  |  |
| --- | --- | --- | --- |
| **Disease pathway** | **Genes** | **p-value** | **Reference** |
| Abnormal morphology of cerebral cortex | *CR1L, CTSV, APAF1, SS18L1* | 8.90E-4 | 1 |
| Gliosis | *S1PR1, CTSV, MYC, SCYL3* | 3.42E-4 | 2 |
| Hydrocephalus | *KIF19, ADRA2B, CYP1B1, APAF1, MYB* | 5.61E-4 | 3 |
| Morphology of nervous system | *SCYL3, FGF22, PTPRC, S1PR1, CR1L, NRG1, CTSV, DISC1, APAF1, SS18L1, KIF26A, CDK20, MYB, MYC, LMNA, HOXB8* | 3.98E-3 | 4 |
| Ventricular hypertrophy and dilated cardiomyopathy | *CTSV, PRMT5, IRX4, LMNA, MYC, TRIM54* | 8.34E-2 | 5 |
| Inflammatory response | *LTB4R, S1PR1, PTPN6, VAV1, MYB, MYC* | 8.33E-4 | 6 |

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