**Additional file 1.** The details of samples from GSE84422, GSE63063 and GSE15745.

The samples in GSE84422

|  |  |  |  |
| --- | --- | --- | --- |
| tissue | GPL96 | GPL97 | GPL570 |
| AD | Normal | AD | Normal | AD | Normal |
| Amygdala |  |  |  |  | 17 | 15 |
| Anterior\_Cingulate | 20 | 16 | 20 | 16 |  |  |
| Caudate\_Nucleus | 18 | 11 | 18 | 11 |  |  |
| Dorsolateral\_Prefrontal\_Cortex | 17 | 16 | 17 | 16 |  |  |
| Frontal\_Pole | 24 | 15 | 24 | 15 |  |  |
| Hippocampus | 18 | 11 | 18 | 11 |  |  |
| Occipital\_Visual\_Cortex | 14 | 13 | 14 | 13 |  |  |
| Posterior\_Cingulate\_Cortex | 23 | 12 | 23 | 12 |  |  |
| Parahippocampal\_Gyrus | 23 | 15 | 23 | 15 |  |  |
| Putamen | 20 |  | 20 |  |  |  |
| Precentral\_Gyrus | 19 |  | 19 |  |  |  |
| Prefrontal\_Cortex | 21 | 11 | 21 | 11 |  |  |
| Inferior\_Temporal\_Gyrus | 19 | 14 | 19 | 14 |  |  |
| Inferior\_Frontal\_Gyrus | 19 | 11 | 19 | 11 |  |  |
| Superior\_Parietal\_Lobule | 13 | 13 | 13 | 13 |  |  |
| Superior\_Temporal\_Gyrus | 22 | 14 | 22 | 14 |  |  |
| Nucleus\_Accumbens |  |  |  |  | 17 | 13 |
| Middle\_Temporal\_Gyrus | 20 | 14 | 20 | 14 |  |  |
| Temporal\_Pole | 18 | 14 | 18 | 14 |  |  |

The samples in GSE84422

|  |  |  |
| --- | --- | --- |
| tissue | GPL6947 | GPL10558 |
| AD | Normal | AD | Normal |
| blood | 145 | 104 | 139 | 135 |

The samples in GSE15745

|  |  |
| --- | --- |
| tissue | GPL6104 (Normal) |
| cerebellum | 146 |
| frontal\_cortex | 146 |
| pons | 145 |
| temporal\_cortex | 147 |