Table S1: Differences in PM conditions

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Anatomic region |   | Voxels |   | x | y | z |   | t-val |
| *Healthy Older Adults – Young adults* |   |   |   |   |   |   |   |   |
| L Precuneus area |   | 3095 |   | -10 | -56 | 52 |   | 5.48 |
| R Precuneus area |   | 2750 |   | 10 | -54 | 50 |   | 5.54 |
| L Precuneus area |   | 1158 |   | -12 | -52 | 68 |   | 4.48 |
| L Cerebelum  |   | 1108 |   | -30 | -64 | -22 |   | 5.17 |
| L Lingual Gyrus  |   | 1027 |   | -20 | -62 | -12 |   | 4.50 |
| L Middle Occipital Gyrus |   | 379 |   | -32 | -82 | 18 |   | 4.19 |
| L Superior Temporal Gyrus |   | 233 |   | -64 | -26 | 16 |   | 4.45 |
| L Heschl  |   | 108 |   | -40 | -26 | 12 |   | 4.01 |
| R Supplementary Motor Area |   | 94 |   | 10 | -4 | 54 |   | 3.69 |
| R Middle Cingulum Gyrus |   | 62 |   | 4 | 18 | 42 |   | 4.46 |
| R Cerebelum  |   | 41 |   | 18 | -56 | -14 |   | 4.11 |
| R Cerebelum Crus ii  |   | 38 |   | 10 | -76 | -32 |   | 3.79 |
| R Lingual Gyrus |   | 37 |   | 16 | -42 | -12 |   | 3.52 |
|   |   |   |   |   |   |   |   |   |
| *AD patients – Healthy Older Adults* |   |   |   |   |   |   |   |   |
| L Inferior Frontal Triangularis  |   | 168 |   | -40 | 44 | 6 |   | 4.24 |
| L Angular Gyrus |   | 64 |   | -38 | -62 | 36 |   | 3.86 |
| L ParaHippocampal area |   | 63 |   | -28 | -2 | -30 |   | 4.06 |
| R Middle Frontal Gyrus |   | 60 |   | 32 | 10 | 54 |   | 3.77 |
| L Inferior Temporal Gyrus |   | 46 |   | -56 | -48 | -12 |   | 4.26 |
| R Caudate Nucleus |   | 27 |   | 20 | -22 | 22 |   | 4.04 |
| L Superior Medial Frontal Gyrus | 13 |   | -8 | 26 | 42 |   | 3.82 |

L, represents left; R, represent right. p < 0.001, uncorrected; at least 10 voxels.