**Title**

*ABCA7* Polymorphisms Correlate with Memory Impairment and Default Mode Network in Patients with *APOE*ε4 Associated Alzheimer’s Disease

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**Table S2** Seed-to-voxel analysis reveals brain regions with significant effects of *APOE-ABCA7* (rs3764650) interactions on functional connectivity in brain networks

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Seed** | | **Cluster** | **MNI**  **(x, y, z)** | **Cluster size** | **T** | **p-FDR**  **of size** |
| DMPFC | Right | No peak cluster |  |  |  |  |
| Left | No peak cluster |  |  |  |  |
| PCC | Right | No peak cluster |  |  |  |  |
| Left | Left lingual | -14, -82, -10 | 456 | 4.15 | 0.004 |
| Entorhinal | Right | Left precuneus | -16, -50, 10 | 472 | 4.91 | 0.006 |
|  | Left superior parietal gyrus | -32, -66, 48 | 662 | 3.92 | 0.001 |
| Left | No peak cluster |  |  |  |  |

T maxima, and contiguous voxels of cluster size are shown. The significance clusters are detected with thresholds of FDR-corrected P < 0.05 at the cluster-level and uncorrected P < 0.001 at the peak-level. DMPFC, dorsal medial prefrontal cortex; FDR, false discovery rate; MNI (x, y, z), local maxima coordinates on Montreal Neurological Institute template brain; PCC, posterior cingulate cortex.