

Supplementary Materials

Preprocessing in fMRIPrep: The following is a boilerplate statement generated by the fMRIPrep preprocessing pipeline that details the full preprocessing pipeline used for our fMRI scans:

Anatomical T1-weighted (T1w) images were corrected for intensity non-uniformity (INU) with ``N4BiasFieldCorrection`` (Tustison et al. 2010), distributed with ANTs 2.3.1 (Avants et al. 2008), and used as T1w-reference throughout the workflow. The T1w-reference was then skull-stripped with a Nipype implementation of the ``antsBrainExtraction.sh`` workflow (from ANTs), using OASIS30ANTs as target template. Brain tissue segmentation of cerebrospinal fluid (CSF), white-matter (WM), and gray-matter (GM) was performed on the brain-extracted T1w using ``fast`` [FSL 6.0.1] (Zhang et al. 2001). Brain surfaces were reconstructed using ``recon-all`` [FreeSurfer 6.0.0] (Dale et al. 1999), and the brain mask estimated previously was refined with a custom variation of the method to reconcile ANTs-derived and FreeSurfer-derived segmentations of the cortical gray-matter of Mindboggle (Klein et al. 2017). Volume-based spatial normalization to one standard space (MNI152NLin2009cAsym) was performed through nonlinear registration with ``antsRegistration`` (ANTs 2.3.1), using brain-extracted versions of both T1w reference and the T1w template. The following template was selected for spatial normalization: ICBM 152 Nonlinear Asymmetrical template version 2009c (Fonov et al. 2009).

The following preprocessing steps were performed on the resting-state and task BOLD scans for each subject. First, a reference volume and its skull-stripped version were generated using a custom methodology of fMRIPrep. A deformation field to correct for susceptibility distortions was estimated based on two echo-planar imaging (EPI) references with opposing phase-encoding directions, using ``3dQwarp`` (AFNI 2019.01.00) (Cox and Hyde 1997). Based on the estimated

susceptibility distortion, an unwarped BOLD reference was calculated for a more accurate co-registration with the anatomical reference. The BOLD reference was then co-registered to the T1w reference using `bbregister` (FreeSurfer) which implements boundary-based registration (Greve and Fischl 2009). Co-registration was configured with nine degrees of freedom to account for distortions remaining in the BOLD reference. Head-motion parameters with respect to the BOLD reference (transformation matrices, and six corresponding rotation and translation parameters) are estimated before any spatiotemporal filtering using `mcflirt` [FSL 6.0.1] (Jenkinson et al., 2002). BOLD runs were slice-time corrected using `3dTshift` from AFNI 2019.01.00 (Cox and Hyde 1997). The BOLD time-series were resampled to surfaces on the following spaces: `fsaverage6`. The BOLD time-series (including slice-timing correction when applied) were resampled onto their original, native space by applying a single, composite transform to correct for head-motion and susceptibility distortions. These resampled BOLD time-series will be referred to as preprocessed BOLD in original space, or just preprocessed BOLD. The BOLD time-series were resampled into standard space, generating a preprocessed BOLD run in 'MNI152NLin2009cAsym' space. First, a reference volume and its skull-stripped version were generated using a custom methodology of fMRIPrep. Several confounding time-series were calculated based on the preprocessed BOLD: framewise displacement (FD), DVARS and three region-wise global signals. FD and DVARS are calculated for each functional run, both using their implementations in Nipype [following the definitions by (Power et al. 2014)]. The three global signals are extracted within the CSF, the WM, and the whole-brain masks. The head-motion estimates calculated in the correction step were placed within the corresponding confounds file. The confound time series derived from head motion estimates and global signals were expanded with the inclusion of temporal derivatives and

quadratic terms for each (Satterthwaite et al. 2013). Frames that exceeded a threshold of 0.5 mm FD or 1.5 standardised DVARS were annotated as motion outliers.

All resamplings can be performed with a single interpolation step by composing all the pertinent transformations (i.e. head-motion transform matrices, susceptibility distortion correction when available, and co-registrations to anatomical and output spaces). Gridded (volumetric) resamplings were performed using ``antsApplyTransforms`` (ANTs), configured with Lanczos interpolation to minimize the smoothing effects of other kernels (Lanczos 1964). Non-gridded (surface) resamplings were performed using ``mri_vol2surf`` (FreeSurfer). Many internal operations of fMRIPrep use Nilearn 0.5.2 (Abraham et al. 2014), mostly within the functional processing workflow. For more details of the pipeline, see the section corresponding to workflows in fMRIPrep's documentation (<https://fmriprep.readthedocs.io/en/latest/workflows.html>).

Supplementary Table 1a – Memory-guided Attention versus Stimulus-guided Attention (Increased Connectivity)		
Default Mode Network (DMN), Cognitive Control Network (CCN), Dorsal Attention Network (DAN)		
# of connections: nodes comprising connections		
Cluster 1 (TFCE = 148.64 p-FDR = 0.00000 p-FWE = 0.00000)		4
6 connections: lateral prefrontal CCN A & retrosplenial DMN C	2 connections: superior parietal lobe DAN A & precuneus DMN A	
4 connections: superior parietal lobe DAN A & retrosplenial DMN C	1 connection: medial prefrontal CCN B & precuneus DMN A	
4 connections: superior parietal lobe DAN A & precuneus CCN C	1 connection: inferior parietal lobe CCN A & precuneus DMN A	
3 connections: lateral prefrontal CCN A & precuneus DMN A	1 connection: medial prefrontal CCN B & retrosplenial DMN C	
3 connections: lateral prefrontal CCN A & precuneus CCN C		
Cluster 2 (TFCE = 146.36 p-FDR = 0.0000 p-FWE = 0.00000)		
7 connections: lateral prefrontal CCN A & precuneus CCN C	1 connection: lateral prefrontal DMN B & retrosplenial DMN C	
5 connections: inferior parietal lobe CCN B & precuneus CCN C	1 connection: ventrolateral prefrontal CCN A & precuneus CCN C	
4 connections: inferior parietal sulcus CCN A & retrosplenial DMN C	1 connection precentral ventral DAN B & precuneus CCN C	
4 connections: lateral prefrontal CCN A & retrosplenial DMN C	1 connection: inferior parietal lobe CCN A & precuneus DMN A	
3 connections: inferior parietal sulcus CCN A & precuneus DMN A	1 connection: precentral ventral DAN B & precuneus DMN A	
2 connections: inferior parietal lobe CCN B & retrosplenial DMN C	1 connection: medial prefrontal CCN B & inferior parietal lobe DMN C	
2 connections: medial prefrontal CCN B & retrosplenial DMN C	1 connection: lateral prefrontal CCN A & inferior parietal lobe DMN C	
2 connections: medial prefrontal CCN B & precuneus CCN C	1 connection: ventral prefrontal DAN B & retrosplenial DMN C	
2 connections: inferior parietal lobe CCN B & precuneus CCN C		
Cluster 5 (TFCE = 130.60 p-FDR = 0.000091 p-FWE = 0.00000)		
3 connections: lateral prefrontal CCN A & precuneus CCN C	1 connection: medial prefrontal CCN B & precuneus CCN C	
1 connection: medial prefrontal CCN B & inferior parietal sulcus CCN A	1 connection: lateral prefrontal CCN A & inferior parietal sulcus CCN A	
Cluster 6 (TFCE = 120.45 p-FDR = 0.000092 p-FWE = 0.00100)		
2 connections: inferior parietal sulcus CCN A & retrosplenial DMN C	1 connection: inferior parietal lobe CCN A & precuneus CCN C	
Cluster 8 (TFCE = 102.63 p-FDR = 0.000120 p-FWE = 0.00300)		
1 connection: inferior parietal lobe CCN A & precuneus DMN A		
Cluster 9 (TFCE = 97.97 p-FDR = 0.000175 p-FWE = 0.00600)		
1 connection: dorsal prefrontal CCN B & precuneus CCN C	1 connection: temporal lobe CCN B & precuneus CCN C	
1 connection: dorsal prefrontal CCN B & inferior parietal sulcus CCN A		
Cluster12 (TFCE = 91.79 p-FDR = 0.000244 p-FWE = 0.00800)		
1 connection: lateral prefrontal CCN A & precuneus CCN C		
1 connection: lateral prefrontal CCN A & precuneus DMN A		

Supplementary Table 1b – Memory-guided Attention versus Stimulus-guided Attention (Decreased Connectivity) Default Mode Network (DMN), Cognitive Control Network (CCN), Dorsal Attention Network (DAN) # of connections: nodes comprising connections	
Cluster 3 (TFCE = 145.40 p-FDR = 0.000040 p-FWE = 0.00000)	
3 connections: parieto-occipital DAN A & superior parietal lobe DAN A	1 connection: parieto-occipital lobe DAN A & precuneus CCN C
3 connections: parieto-occipital DAN A & lateral prefrontal CCN A	1 connection: parieto-occipital lobe DAN & medial prefrontal CCN B
2 connections: postcentral gyrus DAN B & superior parietal lobe DAN A	1 connection: postcentral gyrus DAN B & inferior parietal sulcus CCN A
2 connections: parieto-occipital DAN A & inferior parietal sulcus CCN A	1 connection: postcentral gyrus DAN B & precuneus CCN C
1 connection: parieto-occipital DAN A & inferior parietal lobe CCN B	1 connection: postcentral gyrus DAN C & lateral prefrontal CCN A
Cluster 4 (TFCE = 135.94 p-FDR = 0.000080 p-FWE = 0.00000)	
8 connections: medial prefrontal DMN A & inferior parietal lobe DMN C	2 connections: precuneus DMN A & precuneus CCN C
6 connections: medial prefrontal DMN A & precuneus DMN A	1 connection: within-DMN A precuneus
2 connections: medial prefrontal DMN A & precuneus CCN C	1 connection: precuneus DMN A & inferior parietal lobe DMN C
Cluster 7 (TFCE = 119.74 p-FDR = 0.000092 p-FWE = 0.00100)	
7 connections: medial prefrontal DMN A & retrosplenial DMN C	2 connections: medial prefrontal DMN A & precuneus CCN C
Cluster 10 (TFCE = 93.78 p-FDR = 0.000242 p-FWE = 0.00800)	
1 connection: medial prefrontal DMN A & precuneus DMN A	
Cluster 11 (TFCE = 92.15 p-FDR = 0.000244 p-FWE = 0.00800)	
4 connections: postcentral gyrus DAN B & inferior parietal sulcus CCN A	1 connection: parieto-occipital DAN A & medial prefrontal CCN B
2 connections: parieto-occipital DAN A & inferior parietal sulcus CCN A	1 connection: parieto-occipital DAN A & lateral prefrontal DMN B
2 connections: parieto-occipital DAN A & lateral prefrontal CCN A	1 connection: postcentral gyrus DAN B & medial prefrontal CCN B
1 connection: parieto-occipital DAN A & inferior parietal lobe CCN B	1 connection: postcentral gyrus DAN B & inferior parietal lobe CCN B
1 connection: parieto-occipital DAN A & lateral prefrontal CCN A	

Supplementary Table 2a – Memory-guided Attention versus Memory Retrieval (Increased Connectivity)		
Default Mode Network (DMN), Cognitive Control Network (CCN), Dorsal Attention Network (DAN)		
# of connections: nodes comprising connections		6
Cluster 1 (TFCE = 545.21 p-FDR=0.00000 p-FWE =0.00000)		
4 connections: postcentral gyrus DAN B & inferior parietal lobe CCN B	2 connections: precuneus CCN C & lateral prefrontal CCN A	
3 connections: postcentral gyrus DAN B & inferior parietal sulcus CCN A	2 connections precuneus CCN C & inferior parietal sulcus CCN A	
3 connections: inferior parietal lobe DMN C & lateral prefrontal CCN A	1 connection: inferior parietal lobe DMN C & temporal lobe CCN B	
3 connections: inferior parietal lobe DMN C & inferior parietal lobe CCN B	1 connection: inferior parietal lobe DMN C & medial prefrontal CCN B	
3 connections: precuneus CCN C & ventral prefrontal DMN B	1 connection: inferior parietal lobe DMN C & ventrolateral prefrontal CCN B	
3 connections: inferior parietal lobe DMN C & ventral prefrontal DMN B	1 connection: superior parietal lobe DAN A & inferior parietal lobe CCN B	
2 connections: postcentral gyrus DAN B & lateral prefrontal DMN B	1 connection: superior parietal lobe DAN A & lateral prefrontal DMN B	
2 connections: postcentral gyrus DAN B & lateral prefrontal CCN A	1 connection: superior parietal lobe DAN A & medial prefrontal CCN B	
2 connections: inferior parietal lobe DMN C & inferior parietal sulcus CCN A	1 connection: superior parietal lobe DAN A & precentral ventral DAN B	
2 connections: inferior parietal lobe DMN C & precentral ventral DAN B	1 connection: postcentral gyrus DAN B & precentral ventral DAN B	
2 connections: inferior parietal lobe DMN C & dorsal prefrontal DMN B	1 connection: postcentral gyrus DAN B & ventral prefrontal DMN B	
2 connections: inferior parietal lobe DMN C & lateral prefrontal DMN B	1 connection: frontal eye fields DAN B & inferior parietal sulcus CCN A	
2 connections: inferior parietal lobe DMN C & ventrolateral prefrontal CCN A	1 connection: precuneus CCN C & medial prefrontal CCN B	
2 connections: superior parietal lobe DAN A & lateral prefrontal CCN A	1 connection: precuneus CCN C & lateral prefrontal DMN B	
2 connections: superior parietal lobe DAN A & inferior parietal sulcus CCN A	1 connection: precuneus CCN C & inferior parietal lobe CCN A	
2 connections: frontal eye fields DAN B & lateral prefrontal CCN A	1 connection: precuneus CCN C & precentral ventral DAN B	
Cluster 2 (TFCE = 416.07 p-FDR=0.00000 p-FWE =0.00000)		
4 connections: retrosplenial DMN C & lateral prefrontal CCN C	2 connections: retrosplenial DMN C & medial prefrontal CCN B	
4 connections: retrosplenial DMN C & inferior parietal sulcus CCN A	2 connections: retrosplenial DMN C & temporal CCN B	
3 connections: retrosplenial DMN C & precentral ventral DAN B	2 connections: inferior parietal lobe DMN C & lateral prefrontal CCN A	
3 connections: retrosplenial DMN C & ventral prefrontal DMN B	2 connections: inferior parietal lobe DMN C & inferior parietal sulcus CCN A	

2 connections: retrosplenial DMN C & inferior parietal lobe CCN B	1 connection: inferior parietal lobe DMN C & inferior parietal lobe DMN B
2 connections: retrosplenial DMN C & lateral prefrontal DMN B	1 connection: inferior parietal lobe DMN C & lateral prefrontal DMN B
2 connections: retrosplenial DMN C & ventrolateral prefrontal CCN A	
Cluster 3 (TFCE = 271.56 p-FDR=0.00000 p-FWE =0.00000)	
5 connections: precuneus CCN C & inferior parietal sulcus CCN A	1 connection: precuneus CCN C & ventral prefrontal CCN A
4 connections: precuneus CCN C & lateral prefrontal CCN A	1 connection: precuneus CCN C & inferior parietal lobe CCN B
3 connections: precuneus CCN C & ventral prefrontal DMN B	1 connection: precuneus CCN C & dorsal prefrontal DMN B
3 connections: precuneus CCN C & precentral ventral DAN B	1 connection: precuneus CCN C & temporal CCN B
2 connections: precuneus CCN C & lateral prefrontal DMN B	1 connection: precuneus DMN A & inferior parietal sulcus CCN A
2 connections: precuneus CCN C & medial prefrontal CCN B	1 connection: precuneus DMN A & lateral prefrontal CCN A
Cluster 4 (TFCE = 256.98 p = 0.00000 p-FWE = 0.00000)	
2 connections: inferior parietal lobe DMN C & inferior parietal sulcus CCN A	1 connection: inferior parietal lobe DMN C & lateral prefrontal CCN A
1 connection: inferior parietal lobe DMN C & occipitotemporal DAN A	1 connection: inferior parietal lobe DMN C & temporal lobe CCN A
1 connection: inferior parietal lobe DMN C & ventrolateral prefrontal CCN A	1 connection: postcentral gyrus DAN B & inferior parietal sulcus CCN A
Cluster 5 (TFCE = 241.77 p-FDR=0.00000 p-FWE =0.00000)	
8 connections: inferior parietal lobe DMN C & superior parietal lobe DAN B	2 connections: precuneus CCN C & frontal eye fields DAN B
4 connections: inferior parietal lobe DMN C & frontal eye fields DAN B	1 connection: precuneus CCN C & occipitotemporal DAN A
2 connections: inferior parietal lobe DMN C & temporal lobe DAN A	1 connection: inferior parietal lobe DMN C & parieto-occipital DAN A
2 connections: precuneus CCN C & superior parietal lobe DAN A	1 connection: postcentral gyrus DAN B & superior parietal lobe DAN A
Cluster 6 (TFCE = 217.17 p-FDR=0.00000 p-FWE =0.00000)	
15 connections: retrosplenial DMN C & superior parietal lobe DAN A	2 connections: retrosplenial DMN C & parieto-occipital DAN A
8 connections: inferior parietal lobe DMN C & superior parietal lobe DAN A	2 connections: dorsal prefrontal CCN B & occipitotemporal DAN A
6 connections: retrosplenial DMN C & occipitotemporal DAN A	1 connection: inferior parietal lobe DMN C & parieto-occipital DAN A
6 connections: inferior parietal lobe DMN C & frontal eye fields DAN B	1 connection: dorsal prefrontal CCN B & occipitotemporal DAN A
3 connections: inferior parietal lobe DMN C & frontal eye fields DAN B	1 connection: dorsal prefrontal CCN B & superior parietal lobe DAN A

Cluster 7 (TFCE = 207.52 p-FDR=0.00000 p-FWE =0.00000)	
4 connections: inferior parietal sulcus CCN A & precuneus CCN C	2 connections: medial prefrontal CCN B & precuneus CCN C
4 connections: lateral prefrontal CCN A & precuneus CCN C	2 connections: lateral prefrontal DMN B & precuneus CCN C
3 connections: ventral prefrontal DMN B & precuneus CCN C	1 connection: precentral ventral DAN B & precuneus CCN C
2 connections: lateroventral prefrontal CCN A & precuneus CCN C	
Cluster 10 (TFCE = 188.02 p-FDR=0.00000 p-FWE =0.00000)	
4 connections: retrosplenial DMN C & inferior parietal sulcus CCN A	2 connections: inferior parietal lobe DMN C & inferior parietal sulcus CCN A
Cluster 11 (TFCE = 184.89 p-FDR=0.00000 p-FWE =0.00000)	
8 connections: retrosplenial DMN C & lateral prefrontal CCN A	2 connections: inferior parietal lobe DMN C & inferior parietal sulcus CCN A
6 connections: retrosplenial DMN C & superior parietal lobe DAN A	1 connection: retrosplenial DMN C & precuneus CCN C
4 connections: inferior parietal lobe CCN A & lateral prefrontal CCN A	1 connection: inferior parietal sulcus DMN C & dorsolateral prefrontal CCN B
3 connections: retrosplenial DMN C & inferior parietal sulcus CCN A	1 connection: inferior parietal lobe DMN C & inferior parietal lobe CCN B
3 connections: inferior parietal lobe DMN C & superior parietal lobe DAN A	1 connection: inferior parietal lobe DMN C & medial prefrontal CCN B
2 connections: retrosplenial DMN C & inferior parietal lobe CCN A	1 connection: dorsal prefrontal CCN B & medial prefrontal CCN B
2 connections: retrosplenial DMN C & medial prefrontal CCN B	1 connection: dorsal prefrontal CCN B & inferior parietal CCN A
Cluster 12 (TFCE = 173.82 p-FDR=0.00000 p-FWE =0.00000)	
2 connections: lateral prefrontal CCN A & dorsolateral prefrontal CCN B	1 connection: medial prefrontal CCN B & dorsal prefrontal CCN B
2 connections: lateral prefrontal CCN A & dorsal prefrontal CCN A	1 connection: medial prefrontal CCN B & dorsolateral prefrontal CCN A
Cluster 13 (TFCE = 164.15 p-FDR=0.00000 p-FWE =0.00000)	
4 connections: inferior parietal lobe DMN C & lateral prefrontal CCN A	1 connection: inferior parietal lobe DMN C & dorsolateral CCN B
3 connections: inferior parietal lobe DMN C & superior parietal lobe DAN A	1 connection: postcentral gyrus DAN B & dorsolateral CCN B
2 connections: inferior parietal lobe DMN C & inferior parietal sulcus CCN A	1 connection: postcentral gyrus DAN B & inferior parietal lobe CCN B
1 connection: inferior parietal lobe DMN C & inferior parietal lobe CCN B	
Cluster 14 (TFCE = 155.89 p-FDR=0.00000 p-FWE =0.00000)	
8 connections: precuneus CCN C & frontal eye fields DAN B	2 connections: precuneus CCN C & superior parietal lobe DAN A

2 connections: precuneus DMN A & frontal eye fields DAN B	
Cluster 18 (TFCE = 142.58 p-FDR=0.00000 p-FWE =0.00000)	
2 connections: precuneus CCN C & superior parietal lobe DAN A	1 connection: precuneus CCN C & parieto-occipital DAN A
Cluster 19 (TFCE = 141.27 p-FDR=0.00000 p-FWE =0.00000)	
3 connections: precuneus CCN C & superior parietal lobe DAN A	
Cluster 20 (TFCE = 135.17 p-FDR=0.00000 p-FWE =0.00000)	
2 connections: postcentral gyrus DAN B & inferior parietal lobe CCN B	1 connection: superior parietal lobe DAN A & ventrolateral prefrontal CCN B
2 connections: superior parietal lobe DAN A & inferior parietal lobe CCN B	1 connection: precuneus CCN C & ventrolateral CCN B
1 connection: postcentral gyrus DAN B & ventrolateral prefrontal CCN B	
Cluster 21 (TFCE=130.52 p =0.00000 p-FWE=0.00000)	
2 connections: precuneus CCN C & inferior parietal sulcus CCN A	1 connection: superior parietal lobe DAN A & inferior parietal sulcus CCN A
2 connections: frontal eye fields DAN B & inferior parietal sulcus CCN A	1 connection: postcentral gyrus DAN B & inferior parietal sulcus CCN A
Cluster 22 (TFCE = 127.70 p-FDR=0.00000 p-FWE =0.00000)	
4 connections: retrosplenial DMN C & inferior parietal sulcus CCN A	1 connection: inferior parietal lobe DMN C & postcentral gyrus DAN B
3 connections: retrosplenial DMN C & postcentral gyrus DAN B	1 connection: dorsal prefrontal CCN B & postcentral gyrus DAN B
2 connections: inferior parietal lobe DMN C & inferior parietal sulcus CCN A	1 connection: dorsal prefrontal CCN B & inferior parietal sulcus CCN A
Cluster 24 (TFCE = 125.18 p-FDR=0.00001 p-FWE =0.00000)	
1 connection: inferior parietal lobe DMN C & frontal eye fields DAN B	
Cluster 25 (TFCE = 120.58 p-FDR=0.000013 p-FWE =0.001)	
2 connections: lateral prefrontal CCN A & inferior parietal sulcus CCN A	1 connection: medial prefrontal CCN B & inferior parietal sulcus CCN A
1 connection: lateral prefrontal CCN A & superior parietal lobe DAN A	
Cluster 26 (TFCE = 119.52 p-FDR=0.000015 p-FWE =0.001)	
2 connections: lateral prefrontal CCN A & inferior parietal sulcus CCN A	1 connection: medial prefrontal CCN B & inferior parietal sulcus CCN A
Cluster 27 (TFCE = 111.19 p-FDR=0.000024 p-FWE =0.002)	
1 connection: precuneus CCN C & inferior parietal lobe CCN B	
Cluster 28 (TFCE = 107.56 p-FDR=0.000028 p-FWE =0.002)	
4 connections: dorsolateral prefrontal CCN B & superior parietal lobe DAN A	2 connections: dorsolateral prefrontal CCN B & parieto-occipital DAN A
Cluster 29 (TFCE = 107.50 p-FDR=0.000028 p-FWE =0.002)	

3 connections: precuneus CCN C & superior parietal lobe DAN A	2 connections: precuneus DMN A & superior parietal lobe DAN A
Cluster 30 (TFCE = 107.31 p-FDR=0.000028 p-FWE =0.002)	
1 connection: inferior parietal sulcus CCN A & dorsolateral prefrontal CCN B	1 connection: precentral ventral DAN B & dorsolateral prefrontal CCN B
1 connection: precentral ventral DAN B & dorsal prefrontal CCN A	
Cluster 31 (TFCE = 104.89 p-FDR=0.000037 p-FWE =0.003)	
2 connections: precuneus CCN C & inferior parietal sulcus CCN A	
Cluster 32 (TFCE = 104.69 p-FDR=0.000037 p-FWE =0.003)	
4 connections: precuneus CCN C & superior parietal lobe DAN A	
Cluster 33 (TFCE = 104.68 p-FDR=0.000037 p-FWE =0.003)	
2 connections: precuneus CCN C & inferior parietal sulcus CCN A	
Cluster 34 (TFCE = 101.73 p-FDR=0.000052 p-FWE =0.005)	
1 connection: ventral prefrontal DMN B & dorsal prefrontal CCN A	
Cluster 36 (TFCE = 98.04 p-FDR=0.000080 p-FWE =0.008)	
2 connections: precuneus CCN C & superior parietal lobe DAN A	1 connection: precuneus CCN C & occipitotemporal DAN A
1 connection: precuneus CCN C & parieto-occipital DAN A	
Supplementary Table 2b – Memory-guided Attention versus Memory Retrieval (Decreased Connectivity) Default Mode Network (DMN), Cognitive Control Network (CCN), Dorsal Attention Network (DAN) # of connections: nodes comprising connections	
Cluster 8 (TFCE = 151.25 p-FDR=0.00000 p-FWE =0.00000)	
3 connections: medial prefrontal CCN B & dorsal prefrontal DMN B	2 connections: lateral prefrontal CCN A & dorsal prefrontal DMN B
Cluster 15 (TFCE = 151.25 p-FDR=0.00000 p-FWE =0.00000)	
7 connections: precuneus CCN C & precuneus DMN A	1 connection: precuneus CCN C & inferior parietal lobe DMN A
2 connections: precuneus CCN C & medial prefrontal DMN A	
Cluster 16 (TFCE = 147.76 p-FDR=0.000000 p-FWE =0.00000)	
3 connections: precuneus CCN C & precuneus DMN A	2 connections: precuneus CCN C & medial prefrontal DMN A
Cluster 17 (TFCE = 144.92 p-FDR=0.00000 p-FWE =0.00000)	
9 connections: precuneus CCN C & prefrontal DMN A	1 connection: precuneus DMN A & medial prefrontal DMN A
5 connections: precuneus CCN C & precuneus DMN A	
Cluster 23 (TFCE = 125.95 p-FDR=0.000001 p-FWE =0.00000)	
4 connections: inferior parietal lobe DMN C & medial prefrontal DMN A	3 connections: retrosplenial DMN C & precuneus DMN A

4 connections: retrosplenial DMN A & medial prefrontal DMN A	
Cluster 37 (TFCE = 97.98 p-FDR=0.000082 p-FWE =0.008)	
2 connections: lateral prefrontal DMN B & ventral prefrontal DMN B	1 connection: within-ventral prefrontal DMN B
Cluster 38 (TFCE = 95.83 p-FDR=0.000095 p-FWE =0.009)	
1 connection: retrosplenial DMN C & medial prefrontal DMN A	