



S2 Fig. This illustrates how the BOLD level in the 3-back block differed from the 0-back block. The methods and corresponding results were consistent with previous reports on the n -back task. **A** and **B**: Sagittal slices ($x = 6$ and $x = -38$) reveal regions which had larger BOLD in the 3- versus the 0-back condition, including (**A**) the dorsal anterior cingulate region and (**B**) the dorsal lateral prefrontal cortex (BA 36 and BA 9), anterior insula, and parietal cortex around BA 40. **C** ($x = 3$) shows the opposite (areas in which BOLD is lower in the 3- versus the 0-back conditions). This included large regions in the ventromedial prefrontal cortex and posterior cingulate. We used a significance threshold of $q = 0.05$, 10 contiguous nearest neighbor voxels. Color represents significance as indexed by false discovery rate (see logarithmic color bar).