



Supplementary Figure 3. Cortical domain activity exhibits bilateral symmetry. **a**, Examples of domains exhibiting spatially symmetric activations. Notice most timepoints contain a mixture of symmetric and asymmetric domain activations. **b**, Cortical active fraction timecourses for both hemispheres. **c**, Hemispheric domain centers of mass for coactive frames in **a** recording along medial-lateral (ML) and anterior-posterior (AP) extents. Bottom left panels show the periods indicated by black bars at expanded view. Pearson's correlation: ML, $r = 0.3241$, $p = 1.1591e-28$; AP, $r = 0.1479$, $p = 7.0982e-07$. **d**, Example temporal autocorrelation and cross-correlation functions for hemispheric cortical activity. Notice the peaks above gaussian distributed noise (blue traces). **e** Boxplots showing distribution of spatial and temporal correlation between the cortical hemispheres (P2–5, $N = 22$; P8–9, $N = 30$; P12–13, $N = 38$ movies).