Mean Motion – Scrambled ISC parameter estimates for each Depth bin in each Jue Individual participants are plotted only for bins which show a (corrected) sig difference between Mo **GM HO Lateral GM** Inferior parietal GM Brocas area BA44 L Occipital Inferior lobule PFt L 6 6 6 D_bins 4 3 -00 2 2

Cortical Depth bins: 1 = WM/GM border, 6 = pial -0.1-0.10.0 -0.10.0 0.1 0.0 0.1 Mean Motion – Scrambled ISC estimate across participants