



	Different $p_{\text{same}}$							All shared parameter					
	$p_{\text{same,ownership}}$	$p_{\text{same,synchrony}}$	$\sigma_0$	$\sigma_{30}$	$\sigma_{50}$	$\lambda$	$NLL$	$p_{\text{same}}$	$\sigma_0$	$\sigma_{30}$	$\sigma_{50}$	$\lambda$	$NLL$
Mean	0.83	0.65	101	109	130	0.10	221	0.63	133	149	178	0.05	234
SEM	0.0	0.01	8	8	14	0.0	11	0.01	12	16	21	0.0	10

**Figure 3 - Supplement 1: Mean + SEM behavioural (dots) and model (shaded areas) results for body ownership (A & C) and synchrony detection (B & D) tasks in the *extension* analysis.** The BCI model is fitted to the body ownership and synchrony data combined. Observed data for the 0% (black/purple dots), 30% (orange/dark blue dots), and 50% (red/light blue dots) of visual noise (body ownership/synchrony) and the corresponding predictions for the BCI model with a shared  $p_{\text{same}}$  (A & B) and with distinct  $p_{\text{same}}$  for each task (C & D). Below are the corresponding estimated parameters and negative log likelihood.