



Fig S5. Estimated sparsity for the session1-session2 transformations and the session2-session1 transformations with 96 stimuli. The coloured squares (and their error bars) denote the mean (and the standard error of the mean) estimate of *RDD* and *GOF* across the 1000 simulation-realizations for each of the simulated percentages of sparsity, i.e. from 50% to 99%. The black squares (and their error bars) denote the mean (and the standard error of the mean) estimate of *RDD* and *GOF* across the four subjects. The results related to the session1-session2 transformations are in accordance with those obtained for the session2-session1 transformations.