

Figure S2 | Distribution plot of the number of strongly correlated gene-pairs per gene set. The distribution of the number of gene-pairs remaining after applying the threshold (absolute correlation > 0.8 at any developmental stage) shows that that the number of strongly correlated gene-pairs from the ASD list (dashed red line) is highly significant (p =  $10^{-4}$ ). Blue bars correspond to the 10,000 random gene sets analyzed.