



**Supplementary Fig.3: S2 cells expressing APP, APLP1, or APLP2 do not coaggregate with GFP expressing cells**

The experiments were performed as described for mixed S2 cell aggregations using mixed pools of GFP and APP/APLP expressing cells. Immunostainings of the transfected cells revealed that APP, APLP1 or APLP2 consistently formed homotypic clusters, but displayed no hetero-aggregation with GFP expressing cells. Typical results are shown above for the indicated constructs. Therefore we can exclude unspecific interaction of APP/APLPs with endogenous S2 cell proteins.