

Fig. S1. The effect of Noggin on DA neuronal cell development. ICC for Nestin (green), the neuronal marker Tuj1 (blue), the DA marker TH (red) and Hoechst at DIV21 in the 3-week Noggin conditions. Some TH⁺ neurons (arrows) developed already during co-culture with the MS5 stromal cells at the early (rosette (r)) stages of differentiation. Scale bars at 50 μm .

Fig. S2. Presence of myocytes, astroglia and radial-glia-like cells at late stages (DIV49) of differentiation. ICC for Nestin, GFAP, and MF20 (**a**) and Nestin, GFAP and 3CB2 (**b**) in the 1-week and 3-weeks Noggin treatment conditions, respectively. Scale bar at 100 μm . GFAP⁺ cells also express Nestin and 3CB2 indicating that astroglia are derived from radial-glia-like precursors.