



SUPPLEMENTARY FIG. S3. Embryonic ventral midbrain neuronal stem cell (VM NSC) culture, identification, and T3-induced differentiation. **(A)** VM NSC culture and identification. The isolated single cells formed neurospheres 6 days in vitro. The cultured cells were Nestin positive and can differentiate into Tuj1⁺ and GFAP⁺ cells in vitro. Scale bar: 50 μ m. **(B, C)** T3 promotes dopamine (DA) neuron differentiation from cultured neurospheres. VM neurospheres were treated with 0.3 nM T3 and induced differentiation for 6 days in vitro. The differentiated DA neurons were identified by staining with TH and Tuj1 antibodies. Images in **(B)** are representative of four independent experiments (scale bar: 50 μ m), and the graph in **(C)** represents the statistical results. Data are presented as the mean \pm SEM. $n=4$, Student's t -test, ** $P<0.01$.