# MicroRNA-375 is Induced during Astrocyte-to-Neuron Reprogramming and Promotes Survival of Reprogrammed Neurons when Overexpressed

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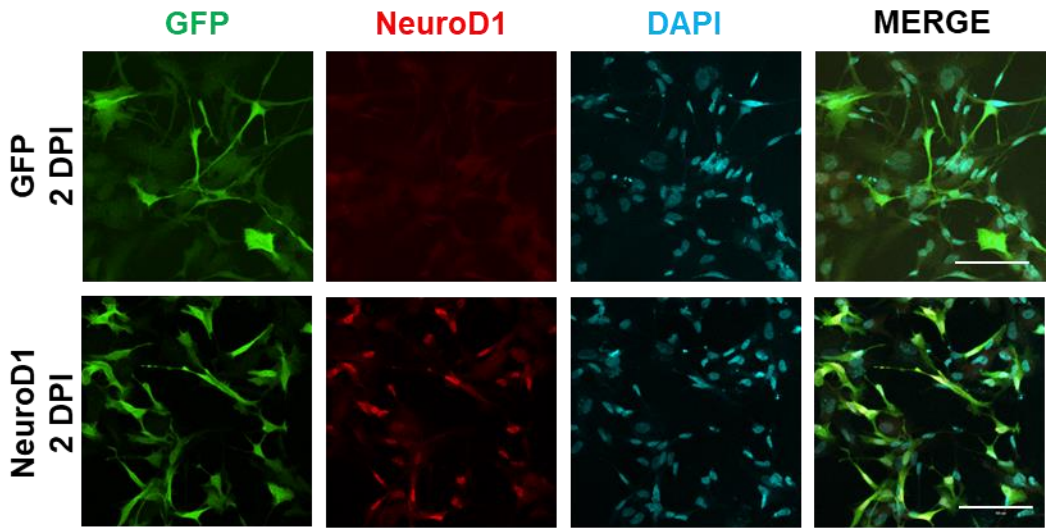



**Figure S1.** Retro-NeuroD1-GFP increased the nuclear NeuroD1 (ND1) expression in HA cells. At 2 days post infection (DPI), HA cells infected with retro-GFP or retro-NeuroD1-GFP were fixed and stained with anti-GFP, anti-NeuroD1, and DAPI. Scale bars, 100 μm. Related with Figure 1 (d).

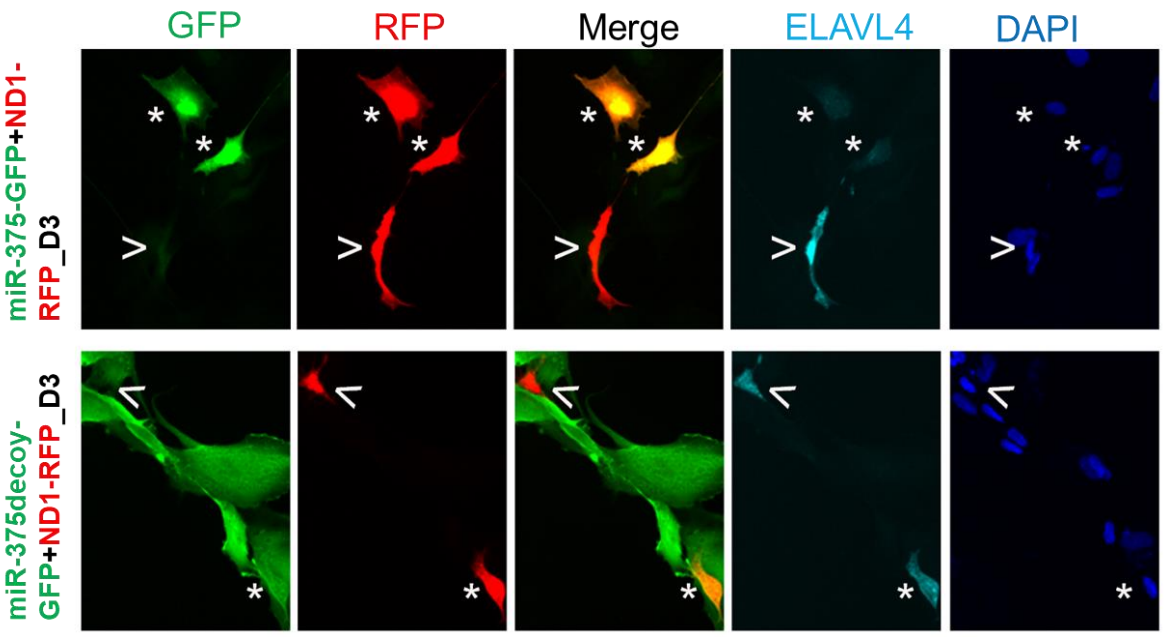



**Figure S2.** MiR-375 regulates ELAVL4 expression at D3 of NeuroD1-mediated AtN reprogramming. >, ND1 alone-infected HA; *, coinfected HA. Related with Figure 4(g).

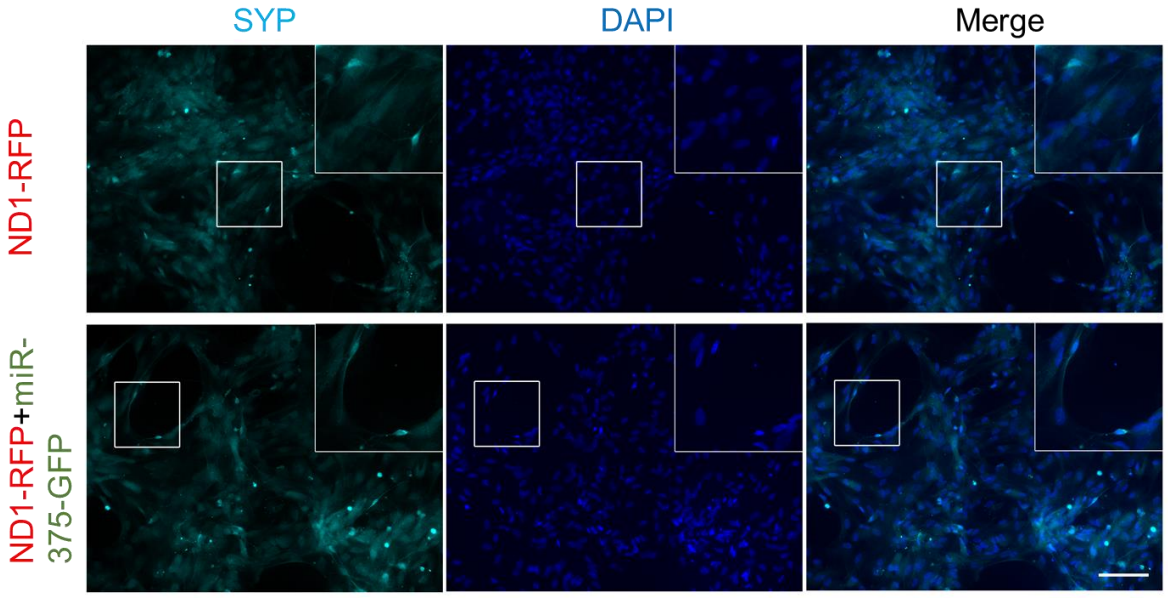



**Figure S3.** Representative immunostaining images of synaptophysin (SYP) in long-term cultures of FACS-sorted cells infected with retro-ND1-RFP or ND1-RFP+miR-375-GFP at 30 DPI. Scale bar, 100 μm. Related with Figure 9(c).

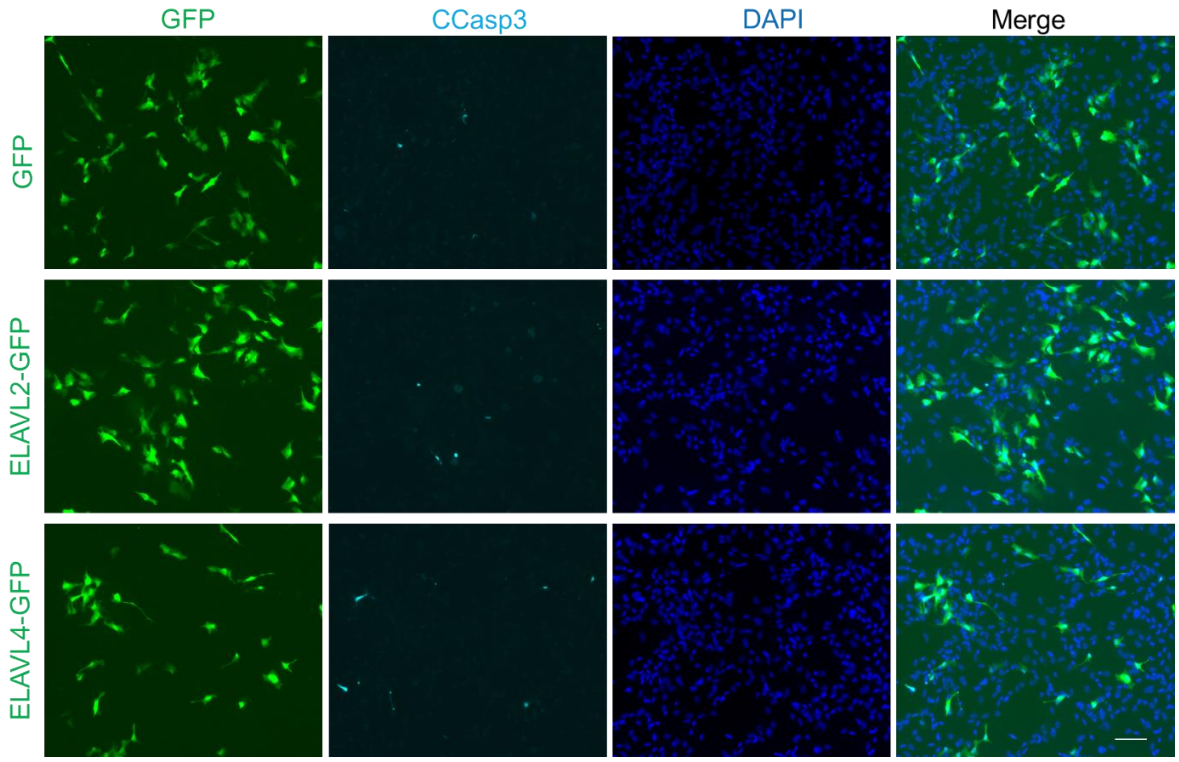



**Figure S4.** Representative immunostaining images of HA infected with retro-GFP, retro-ELAVL2-GFP, or retro-ELAVL4-GFP. Scale bar, 100 μm. Related with Figure 10(d).

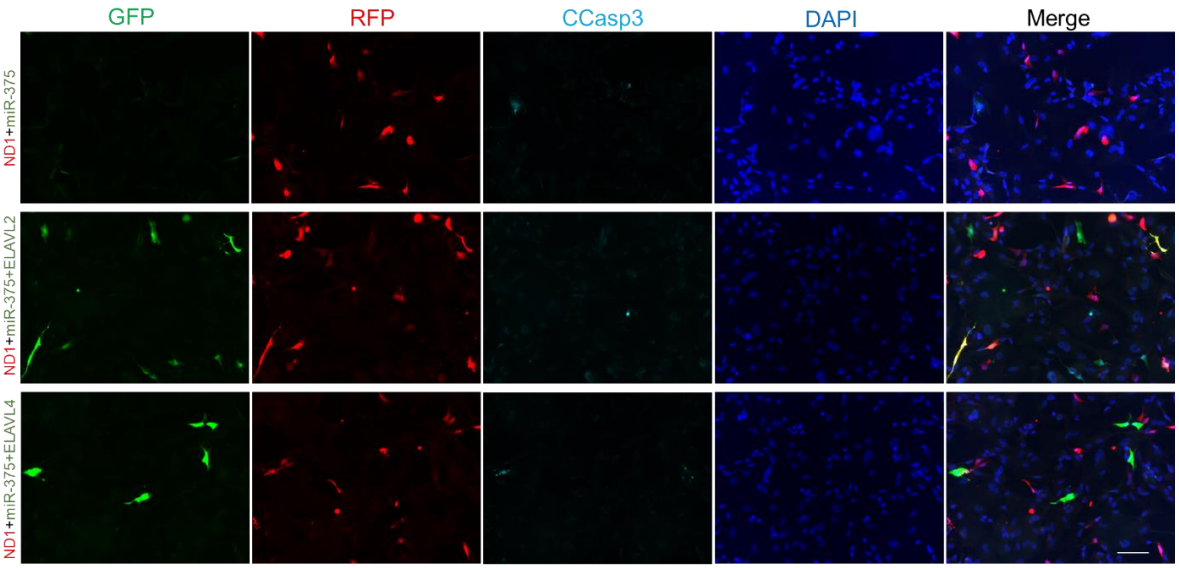



**Figure S5.** Representative immunostaining images of HA coinfected with retro-ND1-RFP+miR-375-GFP, retro-ND1-RFP+miR-375-GFP+ELAVL2-GFP, or retro-ND1-RFP+miR-375-GFP+ELAVL4-GFP. Scale bar, 100 μm. Related with Figure 10(e).