

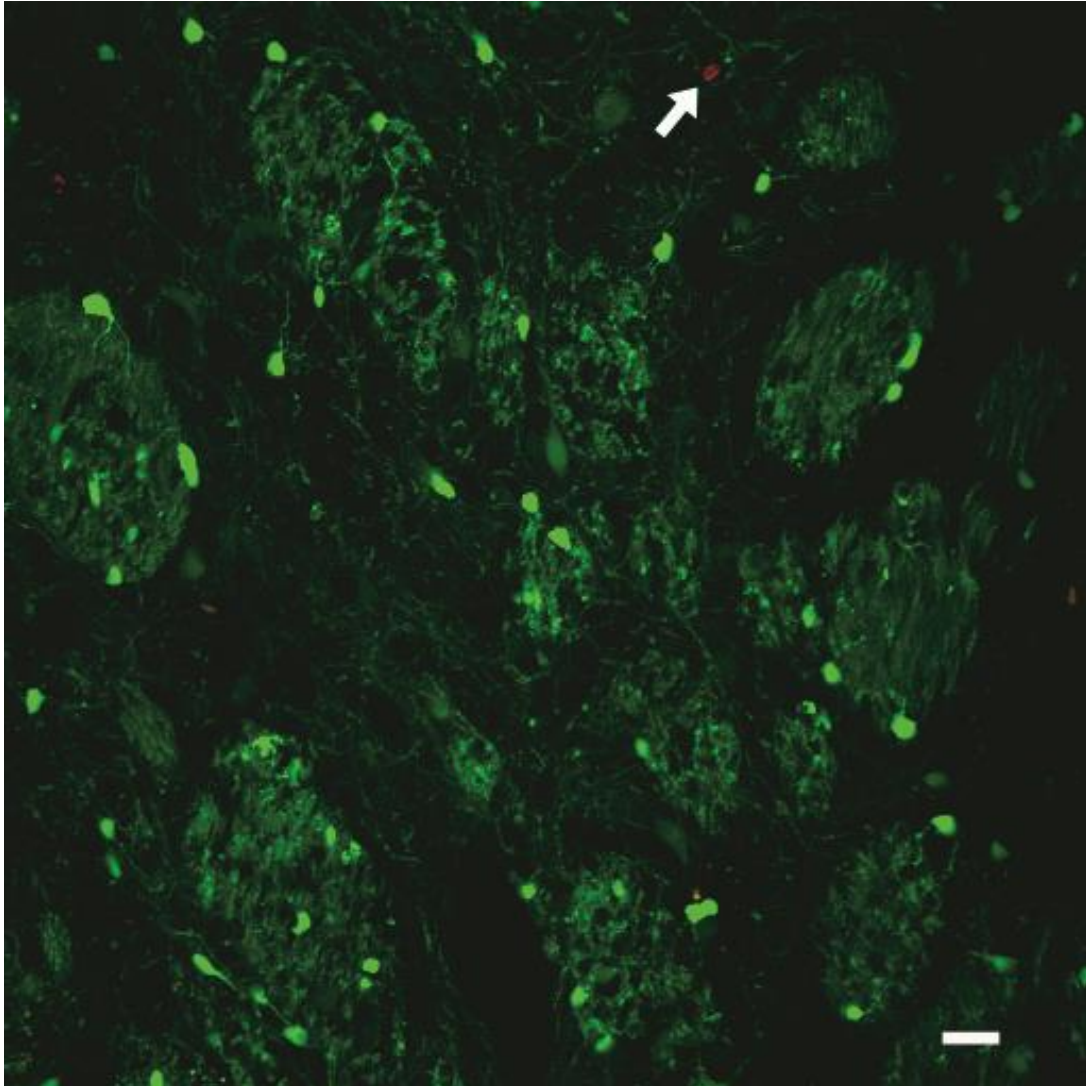
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Supplemental Information

**Viral Vector Reprogramming of Adult
Resident Striatal Oligodendrocytes
into Functional Neurons**

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Supplementary Figure S1:



Olig001 AAV-GFP vectors do not transduce dividing cells in the rat striatum. Rats received a 100 mg/kg i.p. dose of BrdU 30 minutes prior to Olig001-AAV-GFP infusion into the striatum and a second 100 mg/kg i.p. dose of BrdU 30 minutes post-vector infusion. Two weeks later, as expected very few dividing cells were found in the striatum, although this labeling protocol resulted in many BrdU positive cells in the sub-granular zone of the dentate gyrus (data not shown). As seen in the confocal image the dividing cell (red cell, white arrow) did not co-localize with the GFP positive cells. No instances of GFP/BrdU co-localization were found throughout the areas of transduction for 2 rats. (horizontal bars = 20 microns)