



**Supplementary Figure 3:** Detection of serum neutralizing antibodies after IM administration of rAAV-Luc vectors. Mice were administered  $1 \times 10^{10}$  rAAV12-Luc or rAAV2-Luc vector particles by IM route. Serum Nab to AAV12 and AAV2 were measured four weeks post initial vector administration as described in the methods. Neutralizing titers were expressed as the reciprocal of the highest serum dilution that still gave 50% transduction with rAAV-Luc vectors compared to naïve control serum. Error bars represent the mean reciprocal Nab titer to AAV + SEM, where  $n = 3$ . Statistical comparison was performed by unpaired t-test to compare titers from rAAV12-Luc animals with those of the rAAV2-Luc group (\* indicates  $P < 0.05$ )