



*Supporting Figure 5. No detectable EGFP fluorescence in retinas injected with either the 5'- or 3'-half of dual AAV vectors.*

Fluorescence analysis of representative retinal cryosections from C57BL/6 mice one month following subretinal injection of either the combination of dual AAV vectors (5'+3') encoding for EGFP or each of the single 5'- and 3'-half vectors. The eyes injected with the 5'-half include: 9 injected with CMV 5'AK, 6 injected with CMV 5'TS, 8 injected with RHO 5'AK, 7 injected with RHO 5'TS (n=30). The eyes injected with the 3'-half include: 13 injected with 3'AK and 7 injected with 3'TS (n=20). The arrow points at transduced RPE. The scale bar (20  $\mu$ m) is depicted in the figure. 5'+3': retinas co-injected with 5'- and 3'-half vectors; 5': retinas injected with the 5'-half vector; 3': retinas injected with the 3'-half vector; RPE: retinal pigmented epithelium; PR: photoreceptors.