

Supplementary Table 5: Primers for site-directed capsid mutagenesis of surface-exposed tyrosines on AAV6 capsid.

Mutants	Primer Sequences
Y252F	<p>F: 5'-GGGCCTTGCCACCTTTAACAACCACCTGTACAAGCAAATCTCC-3'</p> <p>R: 5'-GGAGATTTGCTTGTACCGGTGGTTGTTAAAGGTGGGCAAGGCCC-3'</p>
Y273F	<p>F: 5'- CAACGGGGGCTAGCAACGACAACCACTTCTTCGGCTACAGCACCCCTG-3'</p> <p>R: CAGGGGGTGCTGTAGCCGAAGAAGTGGTTGTCGTTGCTAGCCCCGTTG-3'</p>
Y445F	<p>F: 5'-CATCGACCAGTACCTGTACTTCCTGAACAGAACTCAGAATCAG-3'</p> <p>R: 5'-CTGATTCTGAGTTCTGTTCAGGAAGTACAGGTACGGTGGTTCGATG-3'</p>
Y701F	<p>F: 5'-GGAATCCCGAAGTGCAGTTTACATCTAACTATGCAAATCTGCCAAC-3'</p> <p>R: 5'-GTTGGCAGATTTTGCATAGTTAGATGTAAACTGCACTTCGGGATTCC-3'</p>
Y705F	<p>F: 5'-GTGCAGTATACATCTAACTTTGCCAAATCTGCCAACGTTGATTTC-3'</p> <p>R: 5'-GAAATCAACGTTGGCAGATTTGGCAAAGTTAGATGTATACTGCAC-3'</p>
Y731F	<p>F: 5'-GTATTACAGGGGACGGGTGAGGAAACGTTGGCCAATGGGGCGAGGC-3'</p> <p>R: 5'-GCCTCGCCCCATTGGCACACGTTTCCTCACCCGTCCCCTGTAATAC-3'</p>

The **red** fonts denote the nucleotide substitutions that lead to mutations from tyrosine (Y) to phenylalanine (F) residues. The **blue** fonts denote the substitutions that lead to silent mutations to either create or delete a restriction enzyme site that allows independent confirmation of the mutation by enzyme digestion.