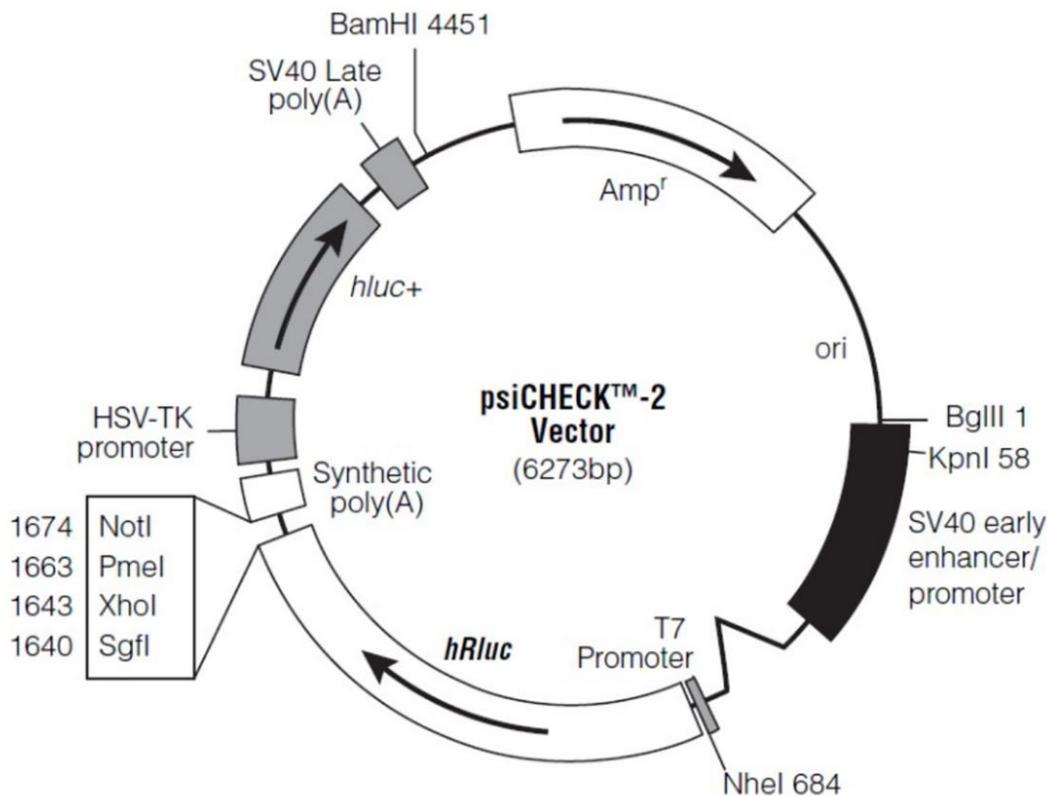


Supplementary Figures



Supplementary Figure 1. pHBAAV-CMV-MCS-P2A-Luc collection of illustrative plates. We used adeno-associated virus to establish miR-140-5p knockout model, inserted the mutant sequence into pHBAAV-CMV-MCS-P2A-Luc vector, and then used adeno-associated virus to package.



Supplementary Figure 2. PsiCHECK2 vector plasmid map. Obtained the mouse *Pax7* 3'UTR sequence from NCBI (<http://www.ncbi.nlm.nih.gov/>), and added 200 bases each to the binding site of miR-140-5p. They were inserted between the XhoI-NotI cleavage sites of the psiCHECK2 vector to construct a wild-type vector of *Pax7* 3'UTR; The Mutant vector of *Pax7* 3'UTR was constructed by reverse mutation of the binding site.