

## Supplemental Table S6. Oligo DNA primers

Target	Primer name	Sequence (5'>3')	
<i>mCherry-P2A-EGFP</i> reporter gene	forward	ATCAAGCAGAGGCTGAAGCTGAAG	(on the <i>mCherry</i> gene)
	reverse	GGACTTTCCACACCCTAACTGAC	(on the pMX-puro vector)
	sequencing	TGAAGCAGGCTGGAGACGTG	
<i>tagBFP-P2A-EGFP</i> reporter gene	forward	ATGCCTGGCGTCTACTATGTGGAC	(on the <i>tagBFP</i> gene)
	reverse	TCCACACCCTAACTGACACACATTC	(on the pBABE-hygro vector)
	sequencing	GGGCACAAGCTTAAT	
<i>TK1</i> gene exon 4	forward	TCCTGAACAGTGGAAAGAGTTTTTAG	
	reverse	AACTTACAAACTGCCCTCGTC	
	sequencing	TGAACACTGAGCCTGCTT	
<i>EMX1</i> locus	forward	GAAGAAGCGATTATGATCTCTCCTCT	
	reverse	ATTGCTTGTCCCTCTGTCAATG	
	HiDi original	CCACCGGTTGATGTGATGGGAG	
	HiDi edited	CCACCGGTTGATGTGATGGGAT	
<i>HEK293</i> locus (ref. AL359552.16 Human DNA sequence from clone RP11-363D24 on chromosome 9)	forward	GAGGCCAGTTGCAAAGACAA	
	reverse	ATACAAGGTGCTTAGCATAGTGCC	
	HiDi original	AGCTGTCCTGCGACGCCCTCTG	
	HiDi edited	AGCTGTCCTGCGACGCCCTCTC	