Supplemental Table S3. Target sequences

EGFP-specific sgRNA	Target sequence (5´>3´)	Nicking strand (Cas9D10A)
sgEGFP 41s	GCCGTCCAGCTCGACCAGGATGG	sense
sgEGFP 260s	GACGTAGCCTTCGGGCATGGCGG	sense
sgEGFP 293s	GCCGTCGTCCTTGAAGAAGATGG	sense
sgEGFP 327s	CCTCGAACTTCACCTCGGCGCGG	sense
sgEGFP 332s	GTCGCCCTCGAACTTCACCTCGG	sense
sgEGFP 356s	CAGCTCGATGCGGTTCACCAGGG	sense
sgEGFP 504s	TGCCGTCCTCGATGTTGTGGCGG	sense
sgEGFP 612s	GGTCTTTGCTCAGGGCGGACTGG	sense
sgEGFP 307as	GGAGCGCACCATCTTCTTCAAGG	antisense
sgEGFP 314as	ACCATCTTCTTCAAGGACGACGG	antisense
sgEGFP 349as	CCGCGCCGAGGTGAAGTTCGAGG	antisense
EMX1 locus-specific sgRNA		
sgEMX1_15s	GCTTCGTGGCAATGCGCCACCGG	sense
HEK293 locus-specific sgRNA		
sgHEK293_3_25s	GCACATACTAGCCCCTGTCTAGG	–
TK1 exon 4-specific sgRNA		
sgTK (ex4)	CGTCTCGGAGCAGGCAGGCGGGG	sense
pUC57-specific sgRNA		
sgUC57N1	CGTCGTGACTGGGAAAACCCTGG	–
sgUC57N2	CAGCTGGCGTAATAGCGAAGAGG	–
sgUC57C1	CTTCCGGCTCGTATGTTGTGTGG	–
sgUC57M1	AAGACGATAGTTACCGGATAAGG	–
sgUC57M2	GCGATAAGTCGTGTCTTACCGGG	–
sgUC57A1	TCGTAGTTATCTACACGACGGGG	–
sgUC57A2	TCGCGGTATCATTGCAGCACTGG	–

PAM sequences are underlined. All of the sgRNAs were designed using the CRISPR Design Tool (http://crispr.mit.edu/).