

**Table S4. Oligonucleotides. Related to STAR Methods.**

REAGENT or RESOURCE	SOURCE	IDENTIFIER
<b>HDR CRISPR: gRNA sequences</b>		
K1268R_gRNA_F	CACCGCGATGAGAACAA GATGCAAG	N/A
K1268R_gRNA_R	aaacCTTGCATCTTGTCT CATCGC	N/A
K1350R_gRNA_F	CACCGATGCGGGTGCTG AGTGAGA	N/A
K1350R_gRNA_R	aaacTCTCACTCAGCACC CGCATC	N/A
ERCC6_ngRNA_1_REV	aaacCACAGCAGAGGTGG ACAGCC	N/A
ERCC6_ngRNA_1_FWD	CACCGGCTGTCCACCTC TGCTGTG	N/A
ERCC6_ngRNA_2_FWD	CACCGCACCCACAGAAC GAAAGGAG	N/A
ERCC6_ngRNA_2_REV	aaacCTCCTTTCGTTCTGT GGGTGC	N/A
<b>HDR CRISPR: ssDON sequences</b>		
K1268R_ssDNA_donor	AATGTTGATTGCATCTTC TTTTCTTTGGTCTCTAAC GTGATTCATGCGTTTTAT ACATGTGACACGCTGACT TCTAGGACCCCCATTATC TCTTGCATCCTGTTCTCA TCGGAGTTCATGATGCG AATACGGAGCACCAGCT TCTCTGCATTGTCATCAT TA	N/A
K1350R_ssDNA_donor	GATCCACGAAAGGCAGC TAGGCAGCACACACGGG CTCACCGTGAAGATCTCC ACAATGTCATTGGACGTG GTGCGTACGGGGTCCAC GTCGC&GCTCTGACAGC ACCCGCATCAAGCTCAC GCCGTCCGTCTCCAGGA TCCAC	N/A
<b>nascent RNA qPCR primers</b>		
EXT1-gene end F	TCAGGGTAAACAAGGGC AAC	N/A
EXT1-gene end R	CATCCTGGAGGATTGTTC GT	N/A
EXT1-TSS proximal F	CTCAGTTCCAGGCTCAAA GG	N/A
EXT1-TSS proximal R	CACAAGGATTCTCGCTGT GA	N/A

FOS-nascent F	CCGGGGATAGCCTCTCT TAC	N/A
FOS-nascent R	GGGAGCCCCCTACTCAT CTA	N/A
LMNB1-gene body F	TGGCCAGATCTTGTGGTT CC	N/A
LMNB1-gene body R	GTGGAGAGCAGCATTTT GGC	N/A
NRIP1-TSS proximal F	CCTGTCCGCCTCTAAGA CAC	N/A
NRIP1-TSS proximal R	ATGAAGGTTTCCGTGGAT GT	N/A
PUM1-gene end F	AATCACTCGGCAGCCATA AG	N/A
PUM1-gene end R	CTGAAGCATTGAAGGTG GTG	N/A
TMSB10-nascent F	AGTGGGTTTGCAAGGAA GAG	N/A
TMSB10-nascent R	AATCGCCAGCTTCGATAA GG	N/A
ZNF644-TSS proximal F	AGGGGAGGGGTGTAGAC AGT	N/A
ZNF644-TSS proximal R	TAGTCACATGAAGCCGA GCA	N/A
<b>mature RNA qPCR primers</b>		
ATF3 F	CATCCAGAACAAGCACCT CTG	N/A
ATF3 R	TTCTCGTCGCCTCTTTTT CC	N/A
EGR1 F	CAGCACCTTCAACCCTCA G	N/A
EGR1 R	AGCACCTTCTCGTTGTTC AG	N/A
FOS F	CCGGGGATAGCCTCTCT TAC	N/A
FOS R	GTGGGAATGAAGTTGGC ACT	N/A
FOSB F	TGTCTTCGGTGGACTCCT TC	N/A
FOSB R	ACTGCTGTAGCCACTCAT GC	N/A
GAPDH F	CAGCCTCAAGATCATCAG CA	N/A
GAPDH R	TGAGTCCTTCCACGATAC CA	N/A
<b>Site-directed mutagenesis primers</b>		
K1268R F	TGATGAGAACAGGATGC AAGAAG	N/A
K1268R R	CTGTTTTCATGATGCGAATA C	N/A
K(619, 627, 642)R F	GAGAATGGGGAGCTGAT CATGGGCATCCTGTGTA	N/A

	GGAAGTCTCTGGGCACG TCA	
K(619, 627, 642)R R	CACCACCACCCTGGTGT CCCCAGGAGAGATGTGC CTGTAAGGGCCACTGTC TTC	N/A
K(710,719)R F	GAAGTGATTGAAAGGGC ACACAACAATGAGCTG	N/A
K(710,719)R R	GATAACGTCCTGCCTGG CCTTCTTAATAGTGTTT	N/A
K(751, 758, 767)R F	CCTGTCTGAATACAACAA CTTCAGGTCTATGGTCGT GTCCGGA	N/A
K(751, 758, 767)R R	GATCTCTGAGCAGAGGA GCCAGTCCTGTCTCGGG CATCGTTAAG	N/A
K1278R F	GGTGGTGGACAGGATGG ATGATG	N/A
K1278R R	TCTTCCTCTTCTTGCATC TTG	N/A