

Supplementary Table I.

Primer Name	Purpose	Sequence (5'-3')
Dmc1-M200V-For	Genotypes M200V allele	CTAAGCTGCTGTTTGCCACA
Dmc1-M200V-Rev	Genotypes M200V allele	CTTGGCTGCGACATAATCAA
Dmc1-neo-For	Genotypes null allele (<i>Dmc1^{tm1Jcs}</i>)	CCACTGCCCCGGCCAGATTACAT
Dmc1-neo-Rev	Genotypes null allele (<i>Dmc1^{tm1Jcs}</i>)	GACTAGGGGAGGAGTAGAAGGT
Dmc1-wildtype-For	Genotypes wild type allele	GAGGTGGCATTGAAAGTATGG
Dmc1-wildtype-Rev	Genotypes wild type allele	GCTTGAATGATCCTGCATT
ssODN	HR template used for CRISPR/Cas9	GAGCACAGCCTCTGCTTCCAGC TTTTATGACATTTTCTTTTCCCC TCAGGTGAGCATCAGGTAGAGC TACTCGATTATGTCGCAGCCAAG TTTCATGAGGAAGCTGGCATT CAA
sgRNA	Guide sequence used for CRISPR/Cas9	CCCCTCAGGTGAGCATCAGA