

S2 Table - Primers used in this study

	Primer	Sequence
<u>ROP5 CRISPR plasmids - Set1</u>		
pair1		
ROP5 CRISPR 5' of locus - for (sgRNA-1)	5'	GTA GTC GTG TGT ACA GTA TCG TTT TAG AGC TAG AAA TAG C 3'
Universal sgRNA plasmid primer - rev (sgRNA-2)	5'	AAC TTG ACA TCC CCA TTT AC 3'
pair2		
ROP5 CRISPR 3' of locus - for	5'	CCA CAA ACT GAA ATC CGA GAG TTT TAG AGC TAG AAA TAG C 3'
Universal sgRNA plasmid primer - rev		see above
<u>Double CRISPR - Set2</u>		
pair1		
sgRNA cassette KpnI - for	5'	CGA ATT GGG TAC CCA AGT AAG CAG AAG CAC GCT G 3'
sgRNA cassette XhoI - rev	5'	TCG ACC TCG AGA ATT AAC CCT CAC TAA AGG 3'
<u>Gibson Cloning - Set3</u>		
pair1		
ROP5 5' homologous region + pUC19 - for	5'	TTT CCC AGT CAC GAC GTT CGA CGA AAC AGC AAC TGT GTG 3'
ROP5 5' homologous region + M13F - rev	5'	CTG GCC GTC GTT TTA CAA ATT CGG GGG CCG GCT AG 3'
pair2		
M13F + ROP5 5' homologous region - for	5'	ACT CAC TGA GGA ACC TAG CCG GCC CCC GAA TTC CAA AAA CGA CGG CCA GT 3'
M13R + ROP5 3' homologous region - rev	5'	ATG CAC GAA GCA CTA GCA CAG ATA CCG ATG AAC CAG GAA ACA GCT ATG AC 3'
pair3		
ROP5 3' homologous region + M13R - for	5'	GTC ATA GCT GTT TCC TGG TTC ATC GGT ATC TGT GCT AGT GC 3'
ROP5 3' homologous region + pUC19 - rev	5'	AGC GGA TAA CAA TTT CAC ACA TGG TCG AGG CCA TGG TCA 3'
pair4		
pUC19 for	5'	TGT GAA ATT GTT ATC CGC TC 3'
pUC19 rev	5'	AAC GTC GTG ACT GGG AA 3'
<u>ROP5 KO regions with DHFR*mCherry PCR amp - Set4</u>		
pair 1		
5' ROP5 homologous region - for	5'	CGA CGA AAC AGC AAC TGT GTG 3'
3' ROP5 homologous region - rev	5'	CAT GGT CGA GGC CAT GGT CA 3'
<u>ROP5 KO check - Set5</u>		
pair1		
5' of ROP5 5' homologous region - for	5'	ACT ATG TCT TTG GTA CGA CCG CCG 3'
DHFR promoter - rev	5'	TAC CAG TCA TGG ACG AGA TCG 3'
pair2		
DHFR 3' UTR - for	5'	ATA ATC TGC GAC CGC TGA ATC CGT 3'
3' of ROP5 3' homologous region - rev	5'	GTG ATC CTT GCA GAC GCT TG 3'
pair 3		
GRA1 promoter - for (pos control)	5'	AAA CCC TCG AAG GCT GCT AGT ACT 3'
GRA1 promoter - rev (pos control)	5'	TCT TGC TTG ATT TCT TCA AAG AAC AAC AGC AAG 3'
<u>ROP18 KO check - Set6</u>		
pair1		
UpUp18 - for	5'	GAT CTT CAG CAG CCT GGT TC 3'
DHFR promoter - rev		see above
pair2		
DHFR 3' UTR - for #2	5'	CGA ACC ATG TCG AGG CTT TAA AGG A 3'
DnDn18 - rev	5'	CAA ACC AAT CAC GAC CTC TG 3'
pair 3		
GRA1 promoter - for (pos control)		see above
GRA1 promoter - rev (pos control)		see above