

	Name	Sequence	Reference
Genotyping primers			
	hnf4a_Cris_checkF	TGATTCACACTACTTACTTGTCTAG	Davison et al., 2017
	hnf4a_Cris_checkR	GATTAAGTAGTTATCTCATCCTCAG	Davison et al., 2017
	hnf4g_Cris_checkR	GTAGACATGGCTCTTCCTGATA	Davison et al., 2017
	hnf4g_Cris_checkF	GAGTGTGTCTGTTGTTGTTGACAG	Davison et al., 2017
	hnf4b_sa21135_F	CCATCTAAGATCCACTAATGCC	This study
	hnf4b_sa21135_R	CCTGCATGTGTAGGCATGGTTCTTG	This study
	gfp_F	GAAGAAGTCGTGCTGCTTCA	This study
	gfp_R	CCTGAAGTTCATCTGCACCA	This study
QPCR primers			
	18S F	CACTTGTCCCTCTAAGAAGTTGCA	Davison et al., 2017
	18S R	GGTTGATTCCGATAACGAACGA	Davison et al., 2017
	hnf4a2.1 F	CAGTGTCCGTAAGTGCAGACTAAAG	Davison et al., 2017
	hnf4a2.1 R	GTGAGCTCGCAGTAAAGCCACTG	Davison et al., 2017
	hnf4b1.1 F	AGACCGAGCCACTGAAAAC	Davison et al., 2017
	hnf4b1.1 R	CATGTGTAGGCATGGTTCTTG	Davison et al., 2017
	hnf4g2.1 F	ATGAAGTTTTCTCCAACCTCTCC	Davison et al., 2017
	hnf4g2.1 R	CTGCTGTGAAAGTGCTTCAGCGTA	Davison et al., 2017
sequencing primers			
	hnf4gF_202	CTCCAACCTCTCCCTAAATCC	This study
	hnf4gR_uni	GTGAAAGTGCTTCAGCGTGAG	This study
	hnf4b_cDNAseq_fwd	ATGAAGATCTCTGGGTCGTC	This study
	hnf4b_cDNAseq_rev	TTAAAGGCACGTGTGGACG	This study
Insitu probe primers			
	antiHnf4a_1F	ATAATTCCTCGAAACTGCCCTG	This study
	antiHnf4a_1R	atagcTAATACGACTCACTATAGGGT	This study
	senseHnf4a_1F	atagcTAATACGACTCACTATAGGGA	This study
	senseHnf4a_1R	TTTACTTAAAGCCGCCACACC	This study
	antiHnf4b_1F	TTTAGGAGTGGCAGCAGCTTC	This study
	antiHnf4b_1R	atagcTAATACGACTCACTATAGGGC	This study
	senseHnf4b_1F	atagcTAATACGACTCACTATAGGGTTAG	This study
	senseHnf4b_1R	CAACCTTCCATGTCACCATCC	This study
	antiHnf4g_2F	GTGTCATCCACCGAAACTGC	This study
	antiHnf4g_2R	atagcTAATACGACTCACTATAGGGT	This study
	senseHnf4g_2F	atagcTAATACGACTCACTATAGGGG	This study
	senseHnf4g_2R	TCTAGGTTACCAGCATTGAGC	This study
gRNA sequence primers			
	hnf4g_gRNA F 1	TAGGgtccccacagatcgcgagc	This study
	hnf4g_gRNA R 1	AAACactgcgagatctgtggggac	This study
	hnf4g_gRNA F 4	TAGGgtccaactgcgagatctgt	This study
	hnf4g_gRNA R 4	AAACacagatcgcgagttggagc	This study

Supplemental Table 2. Primers and probe sequences. List of primer sequences used for genotyping and generating CRISPR guide RNAs, generating *in situ* hybridization probes, and for QPCR.