

Supplementary Table 1

sgRNA oligonucleotide and targets

sgCR8	F	caccGACATTTCTTTCCCCACTGG
	R	aaacCCAGTGGGGAAAGAAATGTC
Target sequence		GACATTTCTTTCCCCACTGG
sgRnf43(A)	F	caccGTTCGATGAAACTCGTGG
	R	aaacCCACGAGTTTCATCGAAC
Target sequence		GTTCGATGAAACTCGTGG
sgRnf43(B)	F	caccGTACTCTTTGACATCACCG
	R	aaacCGGTGATGTCAAAGAGTAC
Target sequence		GTACTCTTTGACATCACCG
sgIfnb1 5'	F	caccGAGTTCCAATTGTGATTACC
	R	aaacGGTAATCACAATTGGAACTC
Target sequence		GAGTTCCAATTGTGATTACC
sgDmrta1 3'	F	caccGCCCTGATATTGGTACCACCC
	R	aaacGGGTGGTACCAATATCAGGGC
Target sequence		CCCTGATATTGGTACCACCC

T7 endonuclease I assay primers

			Expected fragment size
CR8	F	TAAGATGATTATCTGAATTCCTGGG	323;79
	R	TCTTATCCCCTGTGTTGGAA	
Rnf43-A	F	GCAGCGGCACTTTAAACACA	404;100
	R	GAGCCCTTGAGTTCACCTCC	
Rnf43-B	F	CAACTGCTGGTCACTGCCTA	394;176
	R	CAGCACCCTGGCTTAGTCA	
Dmrta1 3'	F	GAAGAGGCCTTACTCAGCGG	294;207
	R	CCTGCCCAGCTATTGACCAT	
Ifnb1 5'	F	CATGTGGAAAGTGCAAACCCA	323;169
	R	GAAGCTCTTCAGGGTTGCTGT	

Deletion PCR primer

Ifnb1 5'	F	CATGTGGAAAGTGCAAACCCA
Dmrta1 3'	R	CCTGCCCAGCTATTGACCAT
Ink4a	F	ACACAATCCCAGTTCGGCTT
Ink4a	R	ACGATGTCTTGATGTCCCG