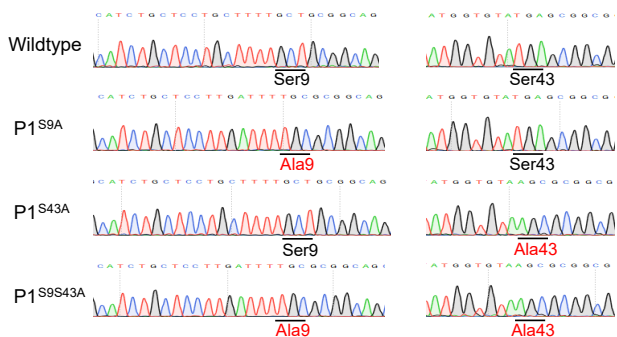


Supplemental Figure 4

A



B

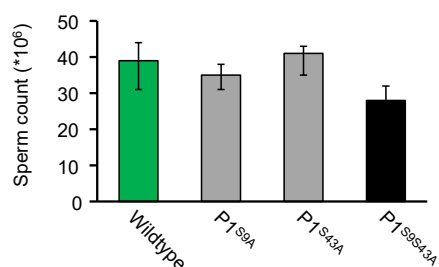


C

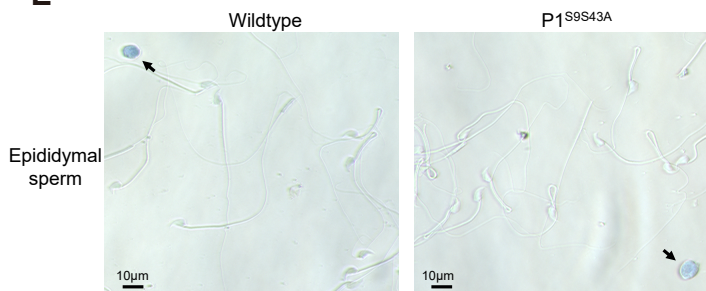
Off-targets of sgRNA-S9			
Genomic location	Number of mismatches	Sequence (including mismatches)	Genomic location
chr1:184693525	3	GATGCTGCCICAGAAAAGTGG	Intergenic
chr10:122535290	3	tATGCTCCGIAGCAAAGCAGG	Intergenic
chr11:121470777	3	CCAGCTTTTGTGCGGCAcCATI	Tbcd intron
chr13:119474283	3	CCTGtTTTTGCTGgGGCAcATC	4833420G17Rik intron
chr16:10796696	0	CCTGCTTTTGTGCTGGCAGCATC	On-target Prm1 exon
chr17:87748684	3	GATGgTGCCiCAGCiAAAGCAGG	Kenk12 intron
chr3:20111894	2	CCAGCTTTTGTGCGGCAcCATC	Hlff intron
chr3:50062784	3	CCTGCTTTTGTGCGGCAgAaC	Intergenic
chr5:149834996	3	GATGgcGCCiCAGCAAAAGCAGG	Intergenic
chr6:97227239	3	GATGCaCaGCAGCAAcAGCAGG	Arl6ip5 Intron
chr7:11829800	3	GcTGCTCCGCGcGcAAAGCCGG	Intergenic
chr8:88823911	2	CCGCTTTTGTGCGGCAcCATC	Intergenic
chrX:69872154	3	GATGCTGcAGCAGCAAAgcCAGG	Intergenic

Off-targets of sgRNA-S43			
Genomic location	Number of mismatches	Sequence (including mismatches)	Genomic location
chr11:88348618	3	TACACCTTATGGTAcATGAcTGG	Msi2 intron
chr16:10796495	0	TACACCTTATGGTGTATGAGCGG	On-target Prm1 exon
chrX:145250814	3	TACAgCTTATGGTtATGATGG	Intergenic

D



E



F

