

## **Re-visiting the Protamine-2 locus: deletion, but not haploinsufficiency, renders male mice infertile**

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**Supplementary Table 1: Oligonucleotides used in this study.**Oligonucleotides used for cloning and *in vitro* transcription of gRNAs, genotyping and qRT-PCR.

<b>guide sequences</b>	<b>top strand oligo</b>	<b>bottom strand oligo</b>
Prm2 gRNA1	CACCATGGTTCGCTACCGAATG	AAACCATTTCGGTAGCGAACCAT
Prm2 gRNA2	CACCATAGTCCTCTACGCGCTC	AAACGAGCGCGTAGAGGACTAT
Prm2 gRNA3	CACCGCTGAGCCCAGAGCGCGTAG	AAACCTACGCGCTCTGGGCTCAGC

  

<b>PCR primer</b>	<b>forward primer</b>	<b>reverse primer</b>
Prm2 sg1	CCCCAAACACCAGACCATCA	CCCTGTGTGTCCTCCCATAG
Prm2 sg2/3	GGTTCGCTACCGAATGAGGA	GGGTGCTTACCTCTGCGAT
Prm2 sg1-3	TGCAGCCTCAATCCAGAACC	TGTAGCCTCTTACGAGAGCAG

  

<b><i>in vitro</i> transcription</b>	<b>forward primer</b>	<b>reverse primer</b>
T7-Prm2-sgRNA1	TTAATACGACTCACTATAGGATGGTTCGCTACCGAATG	-
T7-Prm2-sgRNA2	TTAATACGACTCACTATAGGATAGTCCTCTACGCGCTC	-
T7-Prm2-sgRNA3	TTAATACGACTCACTATAGGGACAAGACCATGAACGCG	-
T7-sgRNA	-	AAAAGCACCGACTCGGTGCCGCTGAGCCCAGAGCGCGTAG

  

<b>qRT-PCR</b>	<b>forward primer</b>	<b>reverse primer</b>
Prm2	ATGGTTCGCTACCGAATGAGG	CTCCGCCTTCTGCATGACC
Prm1	GACAGCCCACAAAATTCCAC	CAGAGCAGGGGACACCAC
beta-Actin	TGTTACCAACTGGGACGACA	GGGGTGTGAAGGTCTCAAA