Supplementary information, Figure S3

а							
Rank!	Newly general Ne	P-	log P-	% of	% of	STD(Bg	Best Match/Details
1	<u></u>	le- 777	pvalue -1.791e+03		Background 4.84%	123.3bp (236.3bp)	PRDM9(Zf)/Testis-DMC1-ChIP- Seq(GSE35498)/Homer(0.935) More Information Similar Motifs Found
2	<u>FTTGCTGICG</u>	1e- 46	-1.062e+02	1.60%	0.08%	188.3bp (217.5bp)	PB0041.1_Mafb_1/Jaspar(0.651) More Information Similar Motifs Found
3	CTGGGCCTGTGIGI	1e- 44	-1.027e+02	1.56%	0.00%	215.6bp (0.0bp)	KLF10(Zf)/HEK293-KLF10.GFP-ChIP- Seq(GSE58341)/Homer(0.650) More Information Similar Motifs Found
4	<u> CÇAÇZAÇTÇÇÇATITÇIAAG</u>	1e- 38	-8.898e+01	1.40%	0.09%	206.7bp (0.0bp)	Tcf3(HMG)/mES-Tcf3-ChIP- Seq(GSE11724)/Homer(0.555) More Information Similar Motifs Found
b Common H3K4me3 peaks							
Rank	Motif		log P- pvalue		% of Background	STD(Bg STD)	Best Match/Details
1	CCGGCTGCG	1e- 3743	-8.620e+03	52.10%		198.1bp (88.6bp)	PB0199.1_Zfp161_2/Jaspar(0.600) More Information Similar Motifs Found
2	<u>ĞĞŞGÇÇĞĞÇĞĞÇ</u>	1e- 3143	-7.238e+03	45.25%	0.03%	189.4bp (76.2bp)	PB0010.1_Egr1_1/Jaspar(0.678) More Information Similar Motifs Found
3	<u>GGCTTCGCCG</u>	1e- 3050	-7.024e+03	44.16%	0.02%	202.4bp (50.1bp)	Sp1(Zf)/Promoter/Homer(0.613) More Information Similar Motifs Found
4	CGGGAGCCGC	1e- 3035	-6.990e+03	43.99%		196.6bp (40.8bp)	POL013.1_MED-1/Jaspar(0.701) More Information Similar Motifs Found
5	GGGCCGAACG	1e- 2971	-6.842e+03	70.09%	1.41%	206.2bp (212.5bp)	Sp5(Zf)/mES-Sp5.Flag-ChIP- Seq(GSE72989)/Homer(0.588) More Information Similar Motifs Found
6	GGGCGGA	1e- 2900	-6.679e+03	64.47%		207.6bp (137.3bp)	E2F6/MA0471.1/Jaspar(0.905) More Information Similar Motifs Found

Fig. S3 PRDM9 DNA binding motif identified in the newly generated H3K4me3 peaks but not in common ones. a, b Identification of the predicted PRDM9 binding motif (B6 background) on the newly generated H3K4me3 peaks (a) and common H3K4me3 peaks (b).