Table S2. No effects of Chr Y origin and *Prdm9* alleles on hybrid sterility phenotypes. Analysis of variance testing for effects of Chr Y origin (*musculus*^{PWK} or *musculus*^{CZII}) and *Prdm9* alleles on hybrid sterility phenotypes. *F* = ANOVA *F* statistic, * indicates test is not significant following FDR correction. [1] Square-root transformed sperm count ($1x10^6$).

	Chr Y		Sterility QTL		Chr Y*QTL		*Prdm9*		*Prdm9**QTL		Chr Y**Prdm9*	
	F	*P*-value	Chr	Position (bp)	*F*	*P*-value	*F*	*P*-value	*F*	*P*-value	*F*	*P*-value
Relative paired testis weight	0.42	0.521	9	75297519	0.05	0.822	0.01	0.908	2.91	0.090	2.64	0.106
			15	82225162	0.05	0.826			0.16	0.686		
Proportion motile sperm	2.59	0.110	9	75297519	0.71	0.401	2.84	0.095	0.42	0.518	1.96	0.164
[1]Normalized sperm count	0.05	0.833	4	57855275	1.48	0.225	0.01	0.945	2.53	0.114	1.87	0.174
			9	75297519	2.84	0.094			1.99	0.160		
Sperm head morphology index	1.74	0.189	4	144910410	0.17	0.678	1.07	0.303	1.38	0.242	4.13	*0.044
			8	107052731	0.14	0.708			2.41	0.123		
			9	98947296	1.98	0.161			2.45	0.120		
			15	82225162	0.30	0.588			0.18	0.672		
Proportion normal sperm head attachment	4.59	*0.034	2	170575651	0.55	0.459	0.15	0.702	1.43	0.234	0.62	0.434
			4	142037926	0.15	0.700			0.40	0.530		
			9	98947296	4.76	*0.031			3.18	0.077		
			15	81554698	2.27	0.134	0.01	0.908	2.91	0.090		