

Supplementary Data

Coitus-Free Sexual Transmission of Zika Virus in a Mouse Model

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Supplemental Table 1. Histopathology Severity Score of Male Reproductive Tissue										
Treatment	Negative		Minimal		Mild		Moderate		Severe	
	Epididymis	Testicle	Epididymis	Testicle	Epididymis	Testicle	Epididymis	Testicle	Epididymis	Testicle
One (EF+/SP+)	0% (0/3)	33% (1/3)	33% (1/3)	33% (1/3)	66% (2/3)	33% (1/3)	0% (0/3)	0% (0/3)	0% (0/3)	0% (0/3)
Two (EF+/SP-)	0% (0/3)	66% (2/3)	66% (2/3)	33% (1/3)	33% (1/3)	0% (0/3)	0% (0/3)	0% (0/3)	0% (0/3)	0% (0/3)
Three (EF-/SP+)	100% (3/3)	100% (3/3)	0% (0/3)	0% (0/3)	0% (0/3)	0% (0/3)	0% (0/3)	0% (0/3)	0% (0/3)	0% (0/3)
Four (EF-/SP-; Spike)	100% (2/2)	100% (2/2)	0% (0/2)	0% (0/2)	0% (0/2)	0% (0/2)	0% (0/2)	0% (0/2)	0% (0/2)	0% (0/2)
Six (EF-/SP-)	100% (1/1)	100% (1/1)	0% (0/1)	0% (0/1)	0% (0/1)	0% (0/1)	0% (0/1)	0% (0/1)	0% (0/1)	0% (0/1)

Supplemental Table 1. The lesion severity of the testicle and epididymis. Lesions in both the testicle and epididymis at 7 days post infection were minimal to mild in all infected males. Inflammation was not observed in sham-infected males. EF= epididymal flush; SP= seminal plasma; += Zika virus infected; -= Sham.

Supplemental Table 2. Effect of Estrous Cycle on Female Early Euthanasia				
Hormone	Estrous Cycle			
Treatment	Proestrus	Estrus	Metestrus	Diestrus
Progesterone	39.1% (9/23)	8.7% (2/23)	8.7% (2/23)	43.5% (10/23)
Sham Treatment	0% (0/0)	0% (0/0)	0% (0/0)	0% (0/0)

Supplemental Table 3. Effect of Estrous Cycle on Female Survival				
Hormone	Estrous Cycle			
Treatment	Proestrus	Estrus	Metestrus	Diestrus
Progesterone	26.7% (8/30)	6.7% (2/30)	6.7% (2/30)	60% (18/30)
Sham Treatment	0% (0/10)	50% (5/10)	10% (1/10)	40% (4/10)