

Supplementary Table 1. Dose regimen of potential monovalent (individual) peptides

Epitope	Gender	Sub groups	No. of rats	Priming dose	Duration	1 st Booster dose	Duration	2 nd Booster dose
L1M1/L1M2/ L2M1/L2M2/ E2M1/E2M2/ E6M1/E6M2	Male	Control	6	no substance given	6 weeks	no substance given	6 weeks	no substance given
		Adjuvant	6	0.01mg/500μl		0.01mg/500μl		0.01mg/500μl
		Peptide	6	160μg/500μl		240μg/500μl		240μg/500μl
		Peptide +Adjuvant	6	160μg+0.01mg/500μl		240μg+0.01mg/500ul		240μg+0.01mg/500μl
	Female	Control	6	no substance given		no substance given		no substance given
		Adjuvant	6	0.01mg/500μl		0.01mg/500μl		0.01mg/500μl
		Peptide	6	160μg/500μl		240ug/500μl		240μg/500μl
		Peptide +Adjuvant	6	160μg+0.01mg/500μl		240μg+0.01mg/500μl		240μg+0.01mg/500μl