tection, and improved antigen presentation mechanisms for the baseline effector cell source (BL) model, saturated source (SS) model, and antigen presenting cell source (APCS) model for macaque RFa15  $\,$ 

**S9 Table:** The AIC score for increased viral clearance, viral neutralization, pro-

,	-			
	R	Fa15		
Me	chanism	BL Model	SS Model	APCS Model
Viral	clearance	64.09	84.56	94.55

70.11

35.90

83.18

65.40

88.08

51.98

95.60

66.51

93.63

64.51

67.57

70.23

Virus neutralization

Protection

Antigen presentation
Antigen presentation with viral clearance