

S14 Table: The estimate parameters for the eight treated macaques using the increased viral clearance mechanism for the three different effector cell source models. The intervals specify the range of the set of intervals to approximate the 95% confidence intervals (S1 and S3 Text).

Baseline source									
Macaque	r_T	m	p	K_B	K_P	ψ	γ	σ	$\ln(L)$
ROq14	0.23 (0.23–0.24)	2.42E-07 (2.19E-07–2.49E-07)	7049 (6984– 7062)	4.25E-01 (3.80E-01–4.30E-01)	N/A	8.78E-04 (8.63E-04–9.40E-04)	4.82 (4.64–4.88)	0.82 (0.79–0.84)	-44.67
RDa15	0.17 (0.17–0.18)	9.40E-07 (7.76E-07–1.25E-06)	8433 (8300– 8830)	1.36E-01 (1.18E-01–1.42E-01)	N/A	1.84E-04 (1.74E-04–2.67E-04)	4.74 (4.07–5.00)	0.48 (0.47–0.56)	-23.41
RFa15	0.34 (0.34–0.34)	8.80E-06 (8.26E-06–8.85E-06)	10980 (10968–11027)	1.47E-01 (1.42E-01–1.55E-01)	N/A	7.03E-04 (6.47E-04–7.19E-04)	3.39 (3.32–3.44)	0.48 (0.47–0.50)	-24.01
RLn12	0.18 (0.18–0.18)	1.39E-06 (1.09E-06–1.39E-06)	8114 (8071– 8155)	1.20E-01 (1.10E-01–1.26E-01)	N/A	8.38E-04 (5.33E-04–9.41E-04)	4.30 (3.92–4.36)	0.41 (0.40–0.43)	-19.27
RIId14	0.24 (0.24–0.25)	5.39E-07 (4.35E-07–6.97E-07)	8408 (8270– 8492)	3.76E-01 (3.24E-01–3.92E-01)	N/A	1.74E-04 (1.08E-04–2.00E-04)	3.24 (3.20–3.43)	1.18 (1.09–1.28)	-63.89
ROo13	0.32 (0.31–0.32)	3.32E-07 (2.66E-07–3.38E-07)	7508 (7323– 7512)	5.50E-01 (4.92E-01–6.12E-01)	N/A	3.02E-04 (2.84E-04–3.55E-04)	1.85 (1.74–1.91)	0.99 (0.97–1.08)	-55.20
RSd14	0.23 (0.23–0.23)	5.49E-07 (4.55E-07–5.59E-07)	7606 (7299– 7609)	2.45E-01 (2.18E-01–2.71E-01)	N/A	8.91E-05 (4.73E-05–9.98E-05)	2.31 (2.27–2.34)	0.77 (0.74–0.82)	-42.70
ROv14	0.22 (0.21–0.22)	4.04E-06 (3.88E-06–4.77E-06)	9883 (9862–10064)	1.31E-01 (8.81E-02–1.38E-01)	N/A	9.58E-05 (3.18E-05–1.14E-04)	2.72 (2.49–3.02)	0.93 (0.91–1.05)	-51.86
Saturated source									
Macaque	r_T	m	p	K_B	K_P	ψ	γ	σ	$\ln(L)$
ROq14	0.19 (0.18–0.20)	2.42E-07 (2.03E-07–7.15E-07)	7258 (7100– 7709)	3.42E-01 (1.88E-01–3.45E-01)	2.88E-04 (2.63E-04–3.13E-04)	9.51E-04 (8.98E-04–1.00E-03)	4.89 (4.81–5.00)	0.85 (0.75–0.88)	-46.45
RDa15	0.18 (0.17–0.18)	1.04E-05 (8.61E-06–1.08E-05)	8781 (8700– 8793)	7.36E-02 (6.46E-02–7.94E-02)	9.83E-02 (9.05E-02–1.00E-01)	7.80E-05 (6.68E-05–9.54E-05)	3.61 (3.54–3.80)	0.52 (0.51–0.53)	-28.93
RFa15	0.15 (0.14–0.15)	2.92E-07 (1.87E-07–3.29E-07)	6906 (6856– 7097)	2.12E-01 (1.45E-01–2.16E-01)	4.90E-05 (3.03E-05–5.92E-05)	9.96E-04 (8.59E-04–1.00E-03)	4.96 (4.75–5.00)	0.56 (0.55–0.82)	-32.90
RLn12	0.19 (0.19–0.19)	1.81E-06 (1.40E-06–1.81E-06)	8186 (8162– 8289)	1.59E-01 (1.36E-01–1.71E-01)	3.85E-04 (3.48E-04–4.26E-04)	6.73E-04 (4.27E-04–7.12E-04)	4.71 (4.24–4.82)	0.43 (0.41–0.50)	-20.50
RIId14	0.34 (0.33–0.36)	1.03E-07 (7.70E-08–2.60E-07)	6528 (6373– 7049)	6.99E-01 (4.65E-01–6.99E-01)	8.42E-03 (5.64E-03–1.10E-02)	5.43E-04 (2.68E-04–1.00E-03)	3.21 (2.95–3.85)	1.19 (1.09–1.47)	-66.21
ROo13	0.24 (0.24–0.31)	1.14E-06 (7.51E-07–1.20E-06)	8285 (7023– 8330)	3.73E-01 (1.13E-01–3.75E-01)	2.54E-04 (2.49E-04–8.71E-03)	1.72E-04 (1.97E-06–2.34E-04)	1.77 (1.74–4.98)	1.06 (1.02–1.19)	-57.90
RSd14	0.28 (0.27–0.28)	9.44E-07 (8.65E-07–9.59E-07)	7179 (7095– 7203)	3.58E-01 (3.23E-01–3.64E-01)	5.36E-02 (5.23E-02–5.78E-02)	7.09E-04 (5.12E-04–8.44E-04)	1.07 (1.07–1.08)	0.83 (0.83–0.90)	-50.07
ROv14	0.23 (0.22–0.31)	2.04E-06 (1.79E-06–4.55E-06)	8517 (8475– 9138)	2.25E-01 (3.16E-02–2.56E-01)	7.94E-05 (1.02E-05–4.25E-04)	1.80E-05 (7.96E-06–1.32E-04)	1.34 (1.34–4.92)	1.07 (0.95–1.15)	-60.13
APC source									
Macaque	r_T	m	p	K_B	K_P	ψ	γ	σ	$\ln(L)$
ROq14	0.50 (0.47–0.50)	1.59E-07 (1.20E-07–2.47E-07)	4928 (4845– 5034)	8.60E-01 (5.81E-01–8.63E-01)	N/A	8.55E-04 (7.53E-04–1.00E-03)	4.78 (4.54–5.00)	0.79 (0.75–1.09)	-45.67
RDa15	0.23 (0.22–0.24)	9.44E-08 (9.42E-08–2.31E-07)	7684 (7659– 8488)	5.46E-01 (1.44E-01–5.46E-01)	N/A	5.42E-04 (4.68E-04–1.00E-03)	4.90 (4.72–5.00)	0.62 (0.61–0.64)	-37.45
RFa15	0.27 (0.26–0.27)	5.54E-08 (4.49E-08–7.82E-08)	4526 (4387– 4527)	9.30E-01 (8.18E-01–9.30E-01)	N/A	9.98E-04 (9.71E-04–1.00E-03)	4.99 (4.90–5.00)	0.65 (0.61–0.71)	-39.22
RLn12	0.10 (0.09–0.10)	4.77E-08 (4.08E-08–6.98E-08)	4017 (4000– 4072)	1.05E+00 (6.61E-01–1.05E+00)	N/A	9.93E-04 (8.37E-04–1.00E-03)	4.97 (4.43–5.00)	0.57 (0.51–0.68)	-34.30
RIId14	0.12 (0.12–0.12)	9.23E-08 (8.67E-08–9.47E-08)	6837 (6817– 6843)	6.10E-01 (5.85E-01–6.16E-01)	N/A	9.33E-04 (9.33E-04–9.84E-04)	4.87 (4.82–4.93)	1.35 (1.34–1.37)	-74.77
ROo13	0.24 (0.24–0.24)	2.43E-07 (2.32E-07–2.43E-07)	4707 (4705– 4709)	6.97E-01 (6.97E-01–7.20E-01)	N/A	9.05E-04 (9.05E-04–9.33E-04)	1.41 (1.41–1.43)	1.29 (1.27–1.37)	-70.45
RSd14	0.26 (0.09–0.26)	2.44E-07 (5.57E-08–3.09E-07)	4708 (4000– 4718)	6.99E-01 (1.16E-01–8.71E-01)	N/A	4.65E-04 (4.62E-04–1.00E-03)	1.75 (1.75–5.00)	1.34 (1.33–2.00)	-68.62
ROv14	0.43 (0.40–0.45)	2.62E-08 (1.95E-08–3.97E-08)	4027 (4000– 4071)	1.04E+00 (4.01E-01–1.05E+00)	N/A	9.86E-04 (8.51E-04–1.00E-03)	3.02 (2.98–3.98)	1.63 (1.37–1.70)	-76.09