

S16 Table: The estimate parameters for the eight treated macaques using the protection 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	ω	ρ	σ	$\ln(L)$
ROq14	0.22 (0.22–0.23)	1.25E-05 (1.05E-05–1.28E-05)	11839 (11746–12061)	1.13E-01 (1.03E-01–1.23E-01)	N/A	18.01 (17.18–18.78)	6.67E-02 (4.64E-02–2.35E-01)	0.92 (0.88–0.97)	-47.71
RDa15	0.35 (0.30–0.36)	4.37E-06 (3.68E-06–8.13E-06)	9688 (9605–12194)	2.26E-01 (1.58E-01–2.63E-01)	N/A	68.33 (2.18–71.80)	7.16E-02 (2.90E-02–1.39E-01)	0.67 (0.54–0.71)	-38.40
RFa15	0.17 (0.17–0.17)	1.36E-06 (1.17E-06–1.42E-06)	8304 (8145–8375)	2.03E-01 (1.70E-01–2.04E-01)	N/A	0.89 (0.84–0.93)	2.11E-02 (1.47E-02–3.44E-02)	0.31 (0.29–0.36)	-9.90
RLn12	0.18 (0.18–0.19)	1.08E-06 (9.04E-07–1.12E-06)	7863 (7832–7984)	1.29E-01 (1.22E-01–1.38E-01)	N/A	0.63 (0.60–0.65)	2.19E-02 (1.49E-02–2.83E-02)	0.37 (0.37–0.38)	-13.82
RIId14	0.25 (0.25–0.26)	1.23E-07 (1.20E-07–1.31E-07)	8159 (8094–8221)	5.59E-01 (4.57E-01–5.59E-01)	N/A	0.46 (0.44–0.48)	8.29E-03 (7.17E-03–9.93E-03)	1.21 (1.19–1.35)	-64.09
ROo13	0.26 (0.26–0.26)	2.06E-06 (1.99E-06–2.06E-06)	10030 (10016–10031)	2.24E-01 (2.19E-01–2.29E-01)	N/A	1.55 (1.54–1.56)	3.18E-03 (3.18E-03–3.23E-03)	1.09 (1.09–1.10)	-60.80
RSd14	0.21 (0.21–0.21)	1.30E-06 (8.91E-07–1.33E-06)	8573 (8530–8667)	2.06E-01 (1.99E-01–2.19E-01)	N/A	4.22 (4.16–4.32)	1.24E-03 (1.17E-03–2.28E-03)	0.77 (0.75–0.82)	-43.51
ROv14	0.26 (0.26–0.26)	1.49E-07 (1.38E-07–1.60E-07)	8501 (8470–8553)	2.25E-01 (2.15E-01–2.34E-01)	N/A	0.44 (0.44–0.45)	1.05E-03 (8.27E-04–1.17E-03)	0.91 (0.87–0.93)	-52.43
Saturated source									
Macaque	r_T	m	p	K_B	K_P	ω	ρ	σ	$\ln(L)$
ROq14	0.28 (0.25–0.28)	1.11E-06 (1.08E-06–9.05E-06)	10021 (9969–10123)	4.04E-01 (9.23E-02–4.04E-01)	1.00E-05 (1.00E-05–1.71E-03)	11.90 (11.79–67.27)	3.00E-02 (2.63E-02–1.42E-01)	0.91 (0.90–1.38)	-51.41
RDa15	0.23 (0.22–0.23)	2.33E-06 (2.03E-06–2.36E-06)	7714 (7629–7737)	2.85E-01 (2.57E-01–2.87E-01)	9.99E-02 (9.96E-02–1.00E-01)	0.64 (0.62–0.65)	1.06E-02 (8.06E-03–1.40E-02)	0.62 (0.61–0.64)	-34.32
RFa15	0.15 (0.15–0.16)	2.33E-06 (2.13E-06–2.48E-06)	7780 (7763–7880)	1.56E-01 (1.13E-01–1.59E-01)	2.72E-02 (2.63E-02–3.02E-02)	4.00 (3.88–4.18)	1.96E-02 (1.29E-02–3.07E-02)	0.37 (0.37–0.39)	-16.60
RLn12	0.19 (0.19–0.19)	1.85E-06 (1.49E-06–1.89E-06)	7706 (7696–7920)	1.42E-01 (1.34E-01–1.51E-01)	1.27E-02 (1.22E-02–1.36E-02)	0.69 (0.65–0.73)	2.07E-02 (1.38E-02–2.91E-02)	0.38 (0.35–0.39)	-13.95
RIId14	0.25 (0.25–0.26)	1.23E-07 (1.11E-07–1.56E-07)	8159 (8082–8221)	5.59E-01 (5.01E-01–5.59E-01)	1.00E-05 (1.00E-05–1.05E-05)	0.46 (0.45–0.48)	8.31E-03 (6.22E-03–1.02E-02)	1.21 (1.18–1.25)	-64.23
ROo13	0.30 (0.30–0.30)	7.56E-07 (6.98E-07–7.67E-07)	7836 (7800–7863)	4.73E-01 (4.57E-01–4.75E-01)	9.52E-05 (9.44E-05–9.75E-05)	1.15 (1.13–1.17)	7.03E-04 (7.03E-04–9.91E-04)	0.95 (0.93–0.98)	-54.32
RSd14	0.23 (0.23–0.23)	9.55E-07 (7.76E-07–9.58E-07)	8008 (7993–8043)	3.46E-01 (3.08E-01–3.46E-01)	2.58E-04 (2.55E-04–2.85E-04)	13.26 (12.94–13.51)	9.18E-04 (8.64E-04–1.59E-03)	0.82 (0.81–0.85)	-49.82
ROv14	0.26 (0.26–0.26)	2.96E-07 (2.65E-07–3.16E-07)	8459 (8391–8477)	2.38E-01 (2.31E-01–2.44E-01)	4.65E-02 (4.48E-02–4.96E-02)	0.44 (0.44–0.46)	1.00E-03 (7.95E-04–1.12E-03)	0.90 (0.88–0.95)	-52.27
APC source									
Macaque	r_T	m	p	K_B	K_P	ω	ρ	σ	$\ln(L)$
ROq14	0.45 (0.45–0.46)	1.33E-07 (1.25E-07–1.64E-07)	5024 (4963–5057)	8.42E-01 (7.96E-01–8.42E-01)	N/A	2.44 (2.37–2.51)	1.19E-02 (8.67E-03–1.52E-02)	0.74 (0.73–0.76)	-42.86
RDa15	0.51 (0.51–0.52)	9.25E-08 (9.06E-08–1.00E-07)	5251 (5188–5279)	8.02E-01 (7.61E-01–8.02E-01)	N/A	0.45 (0.45–0.47)	1.27E-02 (1.07E-02–1.74E-02)	0.61 (0.60–0.63)	-35.61
RFa15	0.55 (0.35–0.55)	9.99E-08 (6.82E-08–1.62E-07)	5454 (5004–5852)	3.26E-01 (2.38E-01–7.84E-01)	N/A	0.86 (0.52–7.19)	5.90E-02 (2.81E-02–4.75E+00)	0.44 (0.42–0.62)	-24.20
RLn12	0.55 (0.39–0.55)	5.32E-08 (3.74E-08–8.49E-08)	5016 (4845–5260)	2.87E-01 (1.75E-01–5.01E-01)	N/A	5.91 (4.09–8.31)	7.32E-02 (3.84E-02–4.75E+00)	0.38 (0.34–0.64)	-18.90
RIId14	0.35 (0.09–0.53)	3.89E-08 (2.95E-08–9.85E-08)	5934 (5563–8287)	7.00E-01 (2.86E-01–7.08E-01)	N/A	78.00 (0.44–78.00)	1.17E-01 (3.46E-02–4.75E+00)	1.44 (1.30–2.00)	-72.05
ROo13	0.51 (0.50–0.52)	2.97E-08 (2.36E-08–4.65E-08)	5463 (5413–5495)	7.68E-01 (4.26E-01–7.69E-01)	N/A	0.50 (0.47–0.52)	2.11E-02 (2.09E-02–3.65E-02)	1.07 (1.05–1.50)	-58.39
RSd14	0.49 (0.46–0.49)	3.82E-08 (2.98E-08–5.05E-08)	5542 (5409–5671)	7.57E-01 (4.57E-01–7.57E-01)	N/A	0.45 (0.44–0.86)	2.03E-02 (2.03E-02–3.61E-02)	0.98 (0.94–1.24)	-52.37
ROv14	0.35 (0.34–0.55)	3.90E-08 (3.31E-08–7.62E-08)	6605 (6517–7412)	6.35E-01 (2.24E-01–6.35E-01)	N/A	0.52 (0.48–0.73)	3.04E-02 (4.55E-03–4.75E+00)	1.23 (1.13–1.49)	-69.15