

Table S1. Overview of the statistical data for all analyzed parameters in socially defeated C57BL/6J mice. C: control, S: susceptible, R: resilient.

Parameter	mean \pm SEM			ANCOVA		Bonferroni posthoc		
	C	S	R			C vs. S	C vs. R	S vs. R
Social interaction test								
n	15	16	11					
Interaction ratio	1.19 \pm 0.07	0.17 \pm 0.03	1.14 \pm 0.17	F(2,39) = 41.70	p < 0.001	p < 0.001	p > 0.999	p < 0.001
Interaction time (s)	100.43 \pm 3.95	15.53 \pm 3.72	85.85 \pm 7.03	F(2,39) = 101.67	p < 0.001	p < 0.001	p = 0.129	p < 0.001
Corner time (s)	8.58 \pm 1.03	67.93 \pm 10.62	17.87 \pm 3.50	F(2,39) = 21.09	p < 0.001	p < 0.001	p > 0.999	p < 0.001
Taqman gene expression analysis								
n	6	6	4					
<i>Csf2</i>	1.00 \pm 0.15	0.37 \pm 0.05	0.50 \pm 0.09	F(2,13) = 10.10	p = 0.002	p = 0.003	p = 0.026	p > 0.999
<i>Il12a</i>	1.00 \pm 0.09	0.30 \pm 0.06	0.50 \pm 0.12	F(2,13) = 19.51	p < 0.001	p < 0.001	p = 0.006	p = 0.424
<i>Ifng</i>	1.00 \pm 0.03	0.36 \pm 0.04	0.53 \pm 0.13	F(2,13) = 29.10	p < 0.001	p < 0.001	p = 0.001	p = 0.307
<i>Il27</i>	1.00 \pm 0.12	0.37 \pm 0.04	0.44 \pm 0.08	F(2,13) = 15.57	p < 0.001	p = 0.001	p = 0.003	p > 0.999
<i>Il17f</i>	1.00 \pm 0.14	2.56 \pm 0.49	2.22 \pm 0.78	F(2,13) = 3.36	p = 0.067			
<i>Tgfb2</i>	1.00 \pm 0.06	0.45 \pm 0.05	0.76 \pm 0.13	F(2,13) = 14.78	p < 0.001	p < 0.001	p = 0.155	p = 0.053
n	15	16	11					
Absolute spleen cell number ($\times 10^7$)	3.85 \pm 0.82	12.06 \pm 3.79	9.36 \pm 3.37	F(2,37) = 4.40	p = 0.019	p = 0.019	p = 0.182	p > 0.999
Spleen cells unstimulated								
n	10	11	9					
% TCR ⁺	26.24 \pm 0.72	13.25 \pm 1.67	14.02 \pm 1.84	F(2,26) = 27.11	p < 0.001	p < 0.001	p < 0.001	p > 0.999
# TCR ⁺ ($\times 10^7$)	1.07 \pm 0.34	1.86 \pm 0.56	1.71 \pm 0.74	F(2,26) = 2.74	p = 0.083			
% CD4 ⁺ (TCR ⁺ pregate)	58.88 \pm 2.46	59.90 \pm 2.33	55.86 \pm 3.10	F(2,26) = 0.61	p = 0.551			
# CD4 ⁺ TCR ⁺ ($\times 10^7$)	0.67 \pm 0.22	1.22 \pm 0.38	1.06 \pm 0.46	F(2,26) = 2.61	p = 0.092			
% CD8 ⁺ (TCR ⁺ pregate)	36.16 \pm 1.36	40.27 \pm 1.35	36.79 \pm 1.49	F(2,26) = 2.54	p = 0.099			
# CD8 ⁺ TCR ⁺ ($\times 10^6$)	3.66 \pm 1.16	7.70 \pm 2.35	6.23 \pm 2.69	F(2,26) = 3.59	p = 0.042	p = 0.062	p = 0.128	p > 0.999

Table S1 continued

Parameter	mean ± SEM			ANCOVA		Bonferroni posthoc		
	C	S	R			C vs. S	C vs. R	S vs. R
PMA/Iono stimulated spleen cells								
n	9	11	9					
% IFN- γ ⁺ IL-17A ⁻ (CD4 ⁺ TCR ⁺ pregate)	1.49 ± 0.27	0.71 ± 0.13	1.30 ± 0.30	F(2,25) = 4.82	p = 0.017	p = 0.019	p > 0.999	p = 0.129
# IFN- γ ⁺ IL-17A ⁻ CD4 ⁺ TCR ⁺ (x 10 ⁴)	5.55 ± 2.17	5.40 ± 1.77	5.71 ± 2.35	F(2,25) = 0.69	p = 0.511			
% IL-17A ⁺ IFN- γ ⁻ (CD4 ⁺ TCR ⁺ pregate)	1.30 ± 0.50	5.73 ± 1.78	3.57 ± 1.45	F(2,25) = 6.05	p = 0.007	p = 0.006	p = 0.157	p = 0.578
# IL-17A ⁺ IFN- γ ⁻ CD4 ⁺ TCR ⁺ (x 10 ⁶)	0.19 ± 0.08	1.31 ± 0.47	0.85 ± 0.36	F(2,25) = 3.89	p = 0.034	p = 0.032	p = 0.242	p > 0.999
% IFN- γ ⁺ IL-17A ⁺ (CD4 ⁺ TCR ⁺ pregate)	0.03 ± 0.01	0.01 ± 0.01	0.04 ± 0.02	F(2,25) = 1.78	p = 0.189			
# IFN- γ ⁺ IL-17A ⁺ CD4 ⁺ TCR ⁺ (x 10 ³)	3.32 ± 1.54	2.51 ± 1.51	10.16 ± 6.95	F(2,25) = 1.68	p = 0.207			
% IL-17A ⁺ IFN- γ ^{+/-} (CD4 ⁺ TCR ⁺ pregate)	1.32 ± 0.51	5.74 ± 1.78	3.61 ± 1.46	F(2,25) = 7.58	p = 0.003	p = 0.002	p = 0.075	p = 0.603
# IL-17A ⁺ IFN- γ ^{+/-} CD4 ⁺ TCR ⁺ (x 10 ⁶)	0.19 ± 0.08	1.32 ± 0.47	0.86 ± 0.36	F(2,25) = 4.90	p = 0.016	p = 0.015	p = 0.141	p > 0.999
% IFN- γ ⁺ IL-17A ⁻ (CD8 ⁺ TCR ⁺ pregate)	2.19 ± 0.72	1.27 ± 0.46	3.36 ± 1.11	F(2,25) = 2.95	p = 0.071			
# IFN- γ ⁺ IL-17A ⁻ CD8 ⁺ TCR ⁺ (x 10 ⁴)	2.56 ± 0.85	2.82 ± 0.91	3.78 ± 1.14	F(2,25) = 1.68	p = 0.206			
% IL-17A ⁺ (CD8 ⁺ TCR ⁺ pregate)	1.93 ± 0.75	6.61 ± 2.00	4.56 ± 1.77	F(2,25) = 6.01	p = 0.007	p = 0.006	p = 0.097	p = 0.911
# IL-17A ⁺ CD8 ⁺ TCR ⁺ (x 10 ⁶)	0.19 ± 0.08	1.27 ± 0.46	0.80 ± 0.34	F(2,25) = 3.75	p = 0.038	p = 0.036	p = 0.289	p > 0.999
% IFN- γ ⁺ IL-17A ⁺ (CD8 ⁺ TCR ⁺ pregate)	0.02 ± 0.01	0.01 ± 0.004	0.03 ± 0.01	F(2,25) = 1.93	p = 0.166			
# IFN- γ ⁺ IL-17A ⁺ CD8 ⁺ TCR ⁺ (x 10 ³)	1.09 ± 0.73	1.05 ± 0.68	3.63 ± 2.39	F(2,25) = 1.58	p = 0.227			
Intranuclear FoxP3 stained spleen cells								
n	15	16	11					
% TCR ⁺	30.53 ± 3.40	13.33 ± 2.11	13.67 ± 2.12	F(2,37) = 14.57	p < 0.001	p < 0.001	p = 0.001	p > 0.999
# TCR ⁺ (x 10 ⁷)	1.51 ± 0.41	0.88 ± 0.21	1.15 ± 0.43	F(2,37) = 3.21	p = 0.052			
% CD4 ⁺ (TCR ⁺ pregate)	50.75 ± 2.52	45.08 ± 3.09	40.08 ± 3.09	F(2,37) = 4.78	p = 0.014	p = 0.163	p = 0.014	p = 0.655
# CD4 ⁺ TCR ⁺ (x 10 ⁶)	7.29 ± 1.88	3.68 ± 0.80	4.10 ± 1.37	F(2,37) = 4.62	p = 0.016	p = 0.014	p = 0.230	p > 0.999
% CD25 ⁺ (CD4 ⁺ TCR ⁺ pregate)	8.06 ± 0.32	9.75 ± 0.95	10.09 ± 1.38	F(2,37) = 1.58	p = 0.221			
# CD25 ⁺ CD4 ⁺ TCR ⁺ (x 10 ⁵)	6.25 ± 1.58	3.20 ± 0.67	4.08 ± 1.38	F(2,37) = 6.39	p = 0.004	p = 0.003	p = 0.272	p = 0.434

Table S1 continued

Parameter	mean \pm SEM			ANCOVA		Bonferroni posthoc		
	C	S	R			C vs. S	C vs. R	S vs. R
% FoxP3 ⁺ (CD4 ⁺ TCR ⁺ pregate)	1.17 \pm 0.11	0.98 \pm 0.19	1.32 \pm 0.34	F(2,37) = 0.45	p = 0.643			
# FoxP3 ⁺ CD4 ⁺ TCR ⁺ (x 10 ⁴)	7.86 \pm 2.26	3.05 \pm 0.75	3.22 \pm 1.05	F(2,37) = 5.56	p = 0.008	p = 0.009	p = 0.070	p = 0.655