

Table S2. Statistical information from results shown in Figure 2.											
Result			Shapiro-Wilk test		Brown-Forsythe			Statistical tests			
	Group	n	W value	P value	Time points	F value F (DFn, DFd)	P value	Test	Post-Test	F value	P value
Figure 2B	WT + Saline	10	0,9049	0,3615	Baseline	0,07920 (2, 27)	0,9241	Two-way ANOVA	Tukey	Interaction F (12, 162) = 55,36	P<0,0001
					2 days	1,546 (2, 27)	0,2315			Row Factor / Time F (4,901, 132,3) = 67,39	P<0,0001
					4 days	3,030 (2, 27)	0,0650				
	WT + Ehrlich	10	0,9253	0,5114	6 days	0,6284 (2, 27)	0,5411			Colum Factor/ Group F (2, 27) = 302,4	P<0,0001
					8 days	1,745 (2, 27)	0,1938				
					10 days	2,886 (2, 27)	0,0732			Subject F (27, 162) = 3,314	P<0,0001
					12 days	3,346 (2, 27)	0,0503				
	TRPV1 -/- + Ehrlich	10	0,8828	0,2392							
Figure 2C	WT + Saline	10	0,9848	0,9796	Baseline	2,804 (2, 27)	0,0783	Two-way ANOVA	Tukey	Interaction F (12, 162) = 18,58	P<0,0001
					2 days	1,083 (2, 27)	0,3527			Row Factor / Time F (3,919, 105,8) = 18,92	P<0,0001
	WT + Ehrlich	10	0,8250	0,0717	4 days	2,042 (2, 27)	0,1494			Colum Factor/ Group F (2, 27) = 211,0	P<0,0001
					6 days	2,388 (2, 27)	0,1109				
					8 days	2,779 (2, 27)	0,0799			Subject F (27, 162) = 2,557	P=0,0002
	TRPV1 -/- + Ehrlich	10	0,9450	0,6841	10 days	3,102 (2, 27)	0,0613				
					12 days	2,288 (2, 27)	0,1208				

Figure 2D	WT + Saline	10	0,9671	0,8766	Baseline	1,373 (2, 27)	0,2705	Two-way ANOVA	Tukey	Interaction F (12, 162) = 80,06	P<0,0001		
					2 days	1,978 (2, 27)	0,1579						
					4 days	2,692 (2, 27)	0,0859						
	WT + Ehrlich	10	0,9219	0,4842	6 days	2,717 (2, 27)	0,0841			Row Factor / Time F (2,236, 60,38) = 304,0	P<0,0001		
					8 days	2,472 (2, 27)	0,1033						
					TRPV1 -/- + Ehrlich	10	0,9218					0,4837	10 days
	12 days	3,218 (2, 27)	0,0558	Subject F (27, 162) = 5,877						P<0,0001			
Figure 2E	WT + Saline	10	0,9445		0,6041	n.a.	10,59 (2, 27)	0,0004	Kruskal-Wallis		Dunn	19,38	P<0,0001
	WT + Ehrlich	10	0,9284	0,4327									
	TRPV1 -/- + Ehrlich	10	0,9245	0,3957									
Figure 2F	WT + Saline	10	0,9497	0,7265	Baseline	0,05123 (2, 27)	0,9502	Two-way ANOVA	Tukey	Interaction F (12,162) = 12,89	P<0,0001		
					2 days	0,3113 (2, 27)	0,7351					Row Factor / Time F (4,498, 121,4) = 36,29	P<0,0001
					4 days	0,1421 (2, 27)	0,8682						
	WT + Ehrlich	10	0,9148	0,4298	6 days	2,782 (2, 27)	0,0797			Colum Factor/ Group F (2, 27) = 167,7	P<0,0001		
					8 days	3,213 (2, 27)	0,0560						
					TRPV1 -/- + Ehrlich	10	0,9200					0,4694	10 days
	12 days	1,061 (2, 27)	0,3600										