

Supplementary Table 2 Detailed statistical analyses

Figure	n/group	Primary statistic	Post-hoc test	Comparison	p value	Notation	F/t statistic
Figure 1B	CON, n = 9 mice	<i>Two-way RM ANOVA</i>	<i>Sidak's</i>	Group × time interaction	<0.0001	****	F (14, 212) = 12.59
	DSS, n = 7-9 mice						
				CON vs. DSS at day 0	ns	>0.9999	
				CON vs. DSS at day 1	ns	>0.9999	
				CON vs. DSS at day 2	ns	>0.9999	
				CON vs. DSS at day 3	ns	>0.9999	
				CON vs. DSS at day 4	ns	0.7583	
				CON vs. DSS at day 5	ns	0.2514	
				CON vs. DSS at day 6	*	0.0135	
				CON vs. DSS at day 7	****	<0.0001	
				CON vs. DSS at day 8	****	<0.0001	
				CON vs. DSS at day 9	****	<0.0001	
				CON vs. DSS at day 10	****	<0.0001	
				CON vs. DSS at day 11	****	<0.0001	
				CON vs. DSS at day 12	**	0.0063	
				CON vs. DSS at day 13	ns	0.1012	
				CON vs. DSS at day 14	ns	0.7705	
Figure 1D	CON, n = 6 mice	<i>Two-way RM ANOVA</i>	<i>Sidak's</i>	Group × time interaction	<0.0001	****	F (14, 154) = 134.6
	DSS, n = 6 mice						
				CON vs. DSS at day 0	ns	>0.9999	
				CON vs. DSS at day 1	*	0.0216	
				CON vs. DSS at day 2	*	0.0132	
				CON vs. DSS at day 3	**	0.0016	
				CON vs. DSS at day 4	****	<0.0001	
				CON vs. DSS at day 5	****	<0.0001	
				CON vs. DSS at day 6	****	<0.0001	
				CON vs. DSS at day 7	***	0.0002	
				CON vs. DSS at day 8	****	<0.0001	
				CON vs. DSS at day 9	****	<0.0001	
				CON vs. DSS at day 10	****	<0.0001	
				CON vs. DSS at day 11	***	0.0007	
				CON vs. DSS at day 12	*	0.0179	

				CON vs. DSS at day 13	ns	0.1123	
				CON vs. DSS at day 14	ns	0.4945	
Figure 1F Crypt damage	CON, n = 5 mice	<i>Kruskal-Wallis test</i>	<i>Dunn's</i>	Summary	***	0.001	H = 13.36
	DSS W1, n = 5 mice						
	DSS W4, n = 5 mice						
				CON vs. DSS W1	**	0.0046	
				CON vs. DSS W4	ns	>0.9999	
				DSS W1 vs. DSS W4	**	0.0046	
Figure 1F Inflammatio n	CON, n = 5 mice	<i>Kruskal-Wallis test</i>	<i>Dunn's</i>	Summary	***	0.001	H = 13.46
	DSS W1, n = 5 mice						
	DSS W4, n = 5 mice						
				CON vs. DSS W1	**	0.0045	
				CON vs. DSS W4	ns	>0.9999	
				DSS W1 vs. DSS W4	**	0.0045	
Figure 1G	CON, n = 6 mice	<i>Two-way RM ANOVA</i>	<i>Sidak's</i>	Group × pressure interaction	*	0.0277	F (6, 45) = 2.646
	DSS W1, n = 6 mice						
	DSS W4, n = 6 mice						
				20 mmHg			
				CON vs. DSS W1	ns	0.1148	
				CON vs. DSS W4	ns	0.9358	
				DSS W1 vs. DSS W4	ns	0.2564	
				40 mmHg			
				CON vs. DSS W1	*	0.0237	
				CON vs. DSS W4	ns	0.192	
				DSS W1 vs. DSS W4	ns	0.3017	
				60 mmHg			
				CON vs. DSS W1	**	0.0016	
				CON vs. DSS W4	*	0.0323	
				DSS W1 vs. DSS W4	ns	0.0733	
				80 mmHg			
				CON vs. DSS W1	*	0.0375	
				CON vs. DSS W4	ns	0.1498	
				DSS W1 vs. DSS W4	ns	0.4378	
Figure 1H	CON, n = 9 mice	<i>One-way ANOVA</i>	<i>Turkey's</i>	Main effect of group	****	<0.0001	F (2, 33) = 36.33
	DSS W1, n = 13						
	DSS W4, n = 14						
				CON vs. DSS W1	****	<0.0001	

				CON vs. DSS W4	*	0.0349	
				DSS W1 vs. DSS W4	****	<0.0001	
Figure 1K	CON, n = 6 mice	<i>Two-way RM ANOVA</i>	<i>Sidak's</i>	Group × pressure interaction	***	0.0005	F (6, 45) = 5.016
	DSS W1, n = 6 mice						
	DSS W4, n = 6 mice						
				20 mmHg			
				CON vs. DSS W1	ns	0.8466	
				CON vs. DSS W4	ns	0.9579	
				DSS W1 vs. DSS W4	ns	0.1841	
				40 mmHg			
				CON vs. DSS W1	ns	0.4241	
				CON vs. DSS W4	ns	0.4297	
				DSS W1 vs. DSS W4	ns	0.9998	
				60 mmHg			
				CON vs. DSS W1	***	0.0007	
				CON vs. DSS W4	*	0.0129	
				DSS W1 vs. DSS W4	ns	0.9057	
				80 mmHg			
				CON vs. DSS W1	*	0.013	
				CON vs. DSS W4	*	0.0383	
				DSS W1 vs. DSS W4	ns	0.8515	
Figure 2B Colon	CON, n = 6 mice	<i>One-way ANOVA</i>	<i>Turkey's</i>	Main effect of group	****	<0.0001	F (2, 15) = 63.08
	DSS W1, n = 6 mice						
	DSS W4, n = 6 mice						
				CON vs. DSS W1	****	<0.0001	
				CON vs. DSS W4	**	0.0082	
				DSS W1 vs. DSS W4	****	<0.0001	
Figure 2B Cerebral cortex	CON, n = 6 mice	<i>One-way ANOVA</i>	<i>Turkey's</i>	Main effect of group	*	0.0201	F (2, 15) = 5.125
	DSS W1, n = 6 mice						
	DSS W4, n = 6 mice						
				CON vs. DSS W1	*	0.0315	
				CON vs. DSS W4	ns	0.9895	
				DSS W1 vs. DSS W4	*	0.0411	
Figure 2D Colon	CON, n = 6 mice	<i>One-way ANOVA</i>	<i>Turkey's</i>	Main effect of group	****	<0.0001	F (2, 15) = 45.71
	DSS W1, n = 6 mice						
	DSS W4, n = 6 mice						
				CON vs. DSS W1	****	<0.0001	

				CON vs. DSS W4	ns	0.2919	
				DSS W1 vs. DSS W4	****	<0.0001	
Figure 2D Cerebral cortex	CON, n = 6 mice	<i>Kruskal-Wallis test</i>	<i>Dunn's</i>	Summary	**	0.0029	H = 9.719
	DSS W1, n = 6 mice						
	DSS W4, n = 6 mice						
				CON vs. DSS W1	*	0.0315	
				CON vs. DSS W4	ns	0.9895	
				DSS W1 vs. DSS W4	*	0.0411	
Figure 2E mPFC	CON, n = 4 mice	<i>One-way ANOVA</i>	<i>Turkey's</i>	Main effect of group	****	<0.0001	F (2, 6) = 469.3
	DSS W1, n = 4 mice						
	DSS W4, n = 4 mice						
				CON vs. DSS W1	****	<0.0001	
				CON vs. DSS W4	****	<0.0001	
				DSS W1 vs. DSS W4	ns	0.0877	
Figure 2E ACC	CON, n = 4 mice	<i>One-way ANOVA</i>	<i>Turkey's</i>	Main effect of group	****	<0.0001	F (2, 6) = 138.3
	DSS W1, n = 4 mice						
	DSS W4, n = 4 mice						
				CON vs. DSS W1	****	<0.0001	
				CON vs. DSS W4	***	0.0002	
				DSS W1 vs. DSS W4	**	0.0013	
Figure 2E Nac	CON, n = 4 mice	<i>One-way ANOVA</i>	<i>Turkey's</i>	Main effect of group	****	<0.0001	F (2, 6) = 169.9
	DSS W1, n = 4 mice						
	DSS W4, n = 4 mice						
				CON vs. DSS W1	****	<0.0001	
				CON vs. DSS W4	***	0.0005	
				DSS W1 vs. DSS W4	***	0.0001	
Figure 2E IC	CON, n = 4 mice	<i>Kruskal-Wallis test</i>	<i>Dunn's</i>	Summary	**	0.0036	H = 7.2
	DSS W1, n = 4 mice						
	DSS W4, n = 4 mice						
				CON vs. DSS W1	*	0.0219	
				CON vs. DSS W4	ns	0.5391	
				DSS W1 vs. DSS W4	ns	0.5391	
Figure 2E PVN	CON, n = 4 mice	<i>One-way ANOVA</i>	<i>Turkey's</i>	Main effect of group	****	<0.0001	F (2, 6) = 470.1
	DSS W1, n = 4 mice						
	DSS W4, n = 4 mice						
				CON vs. DSS W1	****	<0.0001	
				CON vs. DSS W4	**	0.002	

				DSS W1 vs. DSS W4	****	<0.0001	
Figure 2E PAG	CON, n = 4 mice	<i>One-way ANOVA</i>	<i>Turkey's</i>	Main effect of group	****	<0.0001	F (2, 6) = 6208
	DSS W1, n = 4 mice						
	DSS W4, n = 4 mice						
				CON vs. DSS W1	****	<0.0001	
				CON vs. DSS W4	****	<0.0001	
				DSS W1 vs. DSS W4	****	<0.0001	
Figure 2H mPFC	CON, n = 4 mice	<i>Unpaired Two-sided</i>			ns	0.8267	t(8) = 0.2262
	DSS W1, n = 4 mice	<i>t-test</i>					
Figure 2H ACC	CON, n = 4 mice	<i>Unpaired Two-sided</i>			ns	0.5168	t(8) = 0.678
	DSS W1, n = 4 mice	<i>t-test</i>					
Figure 2H Nac	CON, n = 4 mice	<i>Unpaired Two-sided</i>			ns	0.2001	t(8) = 1.396
	DSS W1, n = 4 mice	<i>t-test</i>					
Figure 2H IC	CON, n = 4 mice	<i>Unpaired Two-sided</i>			ns	0.1435	t(8) = 1.622
	DSS W1, n = 4 mice	<i>t-test</i>					
Figure 2H PVN	CON, n = 4 mice	<i>Unpaired Two-sided</i>			ns	0.1234	t(8) = 1.722
	DSS W1, n = 4 mice	<i>t-test</i>					
Figure 2H PAG	CON, n = 4 mice	<i>Mann-Whitney test</i>			ns	0.1349	U = 5
	DSS W1, n = 4 mice						
Figure 2I mPFC	CON, n = 4 mice	<i>Mann-Whitney test</i>			ns	>0.9999	U = 12
	DSS W1, n = 4 mice						
Figure 2I ACC	CON, n = 4 mice	<i>Unpaired Two-sided</i>			*	0.028	t(8) = 2.679
	DSS W1, n = 4 mice	<i>t-test</i>					
Figure 2I Nac	CON, n = 4 mice	<i>Unpaired Two-sided</i>			ns	0.5676	t(8) = 0.5961
	DSS W1, n = 4 mice	<i>t-test</i>					
Figure 2I IC	CON, n = 4 mice	<i>Unpaired Two-sided</i>			ns	0.1261	t(8) = 1.708
	DSS W1, n = 4 mice	<i>t-test</i>					
Figure 2I PVN	CON, n = 4 mice	<i>Unpaired Two-sided</i>			*	0.0401	t(8) = 2.447
	DSS W1, n = 4 mice	<i>t-test</i>					
Figure 2I PAG	CON, n = 4 mice	<i>Unpaired Two-sided</i>			**	0.0026	t(8) = 4.302
	DSS W1, n = 4 mice	<i>t-test</i>					
Figure 3C	CON, n = 5 mice	<i>Kruskal-Wallis test</i>	<i>Dunn's</i>	Summary	ns	0.3967	H = 2.000
	DSS W1, n = 5 mice						
	DSS W4, n = 5 mice						
				CON vs. DSS W1	ns	0.5094	
				CON vs. DSS W4	ns	>0.9999	
				DSS W1 vs. DSS W4	ns	0.9804	

Figure 3D	CON, n = 4 mice	<i>One-way ANOVA</i>	<i>Turkey's</i>	Main effect of group	*	0.0224	F (2, 9) = 5.969
	DSS W1, n = 4 mice						
	DSS W4, n = 4 mice						
				CON vs. DSS W1	*	0.0384	
				CON vs. DSS W4	ns	0.9979	
				DSS W1 vs. DSS W4	*	0.0349	
Figure 3F Microglia	CON, n = 4 mice	<i>One-way ANOVA</i>	<i>Turkey's</i>	Main effect of group	***	0.0001	F (2, 9) = 29.94
	DSS W1, n = 4 mice						
	DSS W4, n = 4 mice						
				CON vs. DSS W1	ns	0.9613	
				CON vs. DSS W4	***	0.0003	
				DSS W1 vs. DSS W4	***	0.0002	
Figure 3F Macrophage	CON, n = 4 mice	<i>One-way ANOVA</i>	<i>Turkey's</i>	Main effect of group	*	0.023	F (2, 9) = 5.910
	DSS W1, n = 4 mice						
	DSS W4, n = 4 mice						
				CON vs. DSS W1	*	0.0183	
				CON vs. DSS W4	ns	0.2575	
				DSS W1 vs. DSS W4	ns	0.2439	
Figure 3F PMN	CON, n = 4 mice	<i>One-way ANOVA</i>	<i>Turkey's</i>	Main effect of group	ns	0.4308	F (2, 9) = 0.9260
	DSS W1, n = 4 mice						
	DSS W4, n = 4 mice						
				CON vs. DSS W1	ns	0.4158	
				CON vs. DSS W4	ns	0.9136	
				DSS W1 vs. DSS W4	ns	0.6413	
Figure 3I	CON, n = 4 mice	<i>One-way ANOVA</i>	<i>Turkey's</i>	Main effect of group	ns	0.8726	F (2, 9) = 0.1383
	DSS W1, n = 4 mice						
	DSS W4, n = 4 mice						
				CON vs. DSS W1	ns	0.8619	
				CON vs. DSS W4	ns	0.9737	
				DSS W1 vs. DSS W4	ns	0.9508	
Figure 3K	CON, n = 4 mice	<i>One-way ANOVA</i>	<i>Turkey's</i>	Main effect of group	****	<0.0001	F (2, 9) = 45.12
	DSS W1, n = 4 mice						
	DSS W4, n = 4 mice						
				CON vs. DSS W1	***	0.0003	
				CON vs. DSS W4	ns	0.0605	
				DSS W1 vs. DSS W4	****	<0.0001	
	CON, n = 4 mice	<i>One-way ANOVA</i>	<i>Turkey's</i>	Main effect of group	**	0.0051	F (2, 9) = 10.02

Figure 3M	DSS W1, n = 4 mice						
	DSS W4, n = 4 mice						
				CON vs. DSS W1	**	0.004	
				CON vs. DSS W4	ns	0.0806	
				DSS W1 vs. DSS W4	ns	0.172	
Figure 3O	CON, n = 4 mice	<i>Unpaired Two-sided t-test</i>			*	0.0377	t(6) = 2.792
	DSS W1, n = 4 mice						
Figure 3Q	CON, n = 4 mice	<i>Unpaired Two-sided t-test</i>			**	0.007	t(6) = 4.018
	DSS W1, n = 4 mice						
Figure 4C	CON, n = 6 mice	<i>One-way ANOVA</i>	<i>Turkey's</i>	Main effect of group	****	<0.0001	F (2, 15) = 31.69
	DSS W1, n = 6 mice						
	DSS W4, n = 6 mice						
				CON vs. DSS W1	****	<0.0001	
				CON vs. DSS W4	***	0.0005	
				DSS W1 vs. DSS W4	*	0.0234	
Figure 4D	CON, n = 6 mice	<i>One-way ANOVA</i>	<i>Turkey's</i>	Main effect of group	ns	0.5371	F (2, 15) = 0.6481
	DSS W1, n = 6 mice						
	DSS W4, n = 6 mice						
				CON vs. DSS W1	ns	0.513	
				CON vs. DSS W4	ns	0.7647	
				DSS W1 vs. DSS W4	ns	0.9069	
Figure 4G	CON, n = 15 neurons	<i>Two-way RM ANOVA</i>	<i>Sidak's</i>	Group × Injected current interaction	<0.0001	****	F (20, 561) = 4.631
	DSS W1, n = 15 neurons						
	DSS W4, n = 15 neurons						
				CON vs. DSS W1	****	<0.0001	
				CON vs. DSS W4	****	<0.0001	
				DSS W1 vs. DSS W4	****	<0.0001	
Figure 4H	CON, n = 15	<i>Kruskal-Wallis test</i>	<i>Dunn's</i>	Summary	ns	0.4135	H = 1.766
	DSS W1, n = 15 neurons						
	DSS W4, n = 15 neurons						
				CON vs. DSS W1	ns	>0.9999	

				CON vs. DSS W4	ns	>0.9999	
				DSS W1 vs. DSS W4	ns	0.557	
Figure 4I	CON, n = 15	<i>Kruskal-Wallis test</i>	<i>Dunn's</i>	Summary	*	0.0232	H = 7.531
	DSS W1, n = 15 neurons						
	DSS W4, n = 15 neurons						
				CON vs. DSS W1	*	0.0216	
				CON vs. DSS W4	ns	>0.9999	
				DSS W1 vs. DSS W4	ns	0.2047	
Figure 5B	DSS W1 Vehicle, n = 6 mice	<i>Unpaired Two-sided t-test</i>			**	0.0041	t(10) = 3.703
	DSS W1 RS102895, n = 6 mice						
Figure 5E	DSS W1 Vehicle, n = 6 mice	<i>Two-way RM ANOVA</i>	<i>Sidak's</i>	Group × pressure interaction	**	0.0029	F (3, 30) = 5.848
	DSS W1 RS102895, n = 6 mice						
				20 mmHg	ns	0.929	
				40 mmHg	ns	0.0617	
				60 mmHg	*	0.0437	
				80 mmHg	*	0.039	
Figure 5G	DSS W1 Vehicle, n = 6 mice	<i>Unpaired Two-sided t-test</i>			***	0.0005	t(10) = 5.010
	DSS W1 RS102895, n = 6 mice						
Figure 5H	DSS W4 Vehicle, n = 6 mice	<i>Unpaired Two-sided t-test</i>			***	0.0007	t(10) = 4.786
	DSS W4 RS102895, n = 6 mice						
Figure 5K	DSS W4 Vehicle, n = 6 mice	<i>Two-way RM ANOVA</i>	<i>Sidak's</i>	Group × pressure interaction	*	0.0109	F (3, 30) = 4.423
	DSS W4 RS102895, n = 6 mice						
				20 mmHg	ns	>0.9999	
				40 mmHg	ns	0.1161	
				60 mmHg	*	0.0369	

				80 mmHg	**	0.0064	
Figure 5M	DSS W4 Vehicle, n = 6 mice	<i>Unpaired Two-sided t-test</i>			*	0.0279	t(10) = 2.569
	DSS W4 RS102895, n = 6 mice						
Figure 5O PAG	DSS W1 Vehicle, n = 6 mice	<i>Unpaired Two-sided t-test</i>			**	0.0084	t(6) = 3.855
	DSS W1 RS102895, n = 6 mice						
Figure 5O Colon	DSS W1 Vehicle, n = 6 mice	<i>Unpaired Two-sided t-test</i>			ns	0.5996	t(6) = 0.5541
	DSS W1 RS102895, n = 6 mice						
Figure 5Q PAG	DSS W4 Vehicle, n = 6 mice	<i>Unpaired Two-sided t-test</i>			ns	0.8365	t(6) = 0.2155
	DSS W4 RS102895, n = 6 mice						
Figure 5Q Colon	DSS W4 Vehicle, n = 6 mice	<i>Unpaired Two-sided t-test</i>			ns	0.9066	t(6) = 0.1224
	DSS W4 RS102895, n = 6 mice						
Figure 6B	DSS W1 control peptide, n = 12 mice	<i>Unpaired Two-sided t-test</i>			*	0.0418	t(19) = 2.183
	DSS W1 LP17, n = 9 mice						
Figure 6E	DSS W1 control peptide, n = 6 mice	<i>Two-way RM ANOVA</i>	<i>Sidak's</i>	Group × pressure interaction	***	0.0008	F (3, 30) = 7.268
	DSS W1 LP17, n = 6 mice						
				20 mmHg	ns	0.9663	
				40 mmHg	****	<0.0001	
				60 mmHg	*	0.0146	
				80 mmHg	*	0.0268	
Figure 6H	DSS W1 control peptide, n = 6 mice	<i>Unpaired Two-sided t-test</i>			***	0.0009	t(10) = 4.667
	DSS W1 LP17, n = 6 mice						

Figure 6J	DSS W1 control peptide, n = 4 mice	<i>Mann–Whitney test</i>			*	0.0286	U = 0
	DSS W1 LP17, n = 4 mice						
Figure 6L	DSS W1 control peptide, n = 4 mice	<i>Unpaired Two-sided t-test</i>			*	0.0371	t(6) = 2.668
	DSS W1 LP17, n = 4 mice						
Figure 6N	DSS W1 control peptide, n = 4 mice	<i>Unpaired Two-sided t-test</i>			*	0.0173	t(6) = 3.258
	DSS W1 LP17, n = 4 mice						
Figure 7B	DSS W1 WT, n = 13 mice	<i>Unpaired Two-sided t-test</i>			*	0.036	t(21) = 2.240
	DSS W1 <i>Trem-1</i> ^{-/-} , n = 10 mice						
Figure 7E	DSS W1 WT, n = 6 mice	<i>Two-way RM ANOVA</i>	<i>Sidak's</i>	Group × pressure interaction	****	<0.0001	F (3, 30) = 12.90
	DSS W1 <i>Trem-1</i> ^{-/-} , n = 6 mice						
				20 mmHg	ns	0.4329	
				40 mmHg	ns	0.97	
				60 mmHg	ns	0.0953	
				80 mmHg	***	0.0004	
Figure 7G PAG	DSS W1 WT, n = 6 mice	<i>Unpaired Two-sided t-test</i>			****	<0.0001	t(10) = 12.72
	DSS W1 <i>Trem-1</i> ^{-/-} , n = 6 mice						
Figure 7G Colon	DSS W1 WT, n = 6 mice	<i>Unpaired Two-sided t-test</i>			****	<0.0001	t(10) = 12.74
	DSS W1 <i>Trem-1</i> ^{-/-} , n = 6 mice						
Figure 7I	DSS W1 WT, n = 4 mice	<i>Unpaired Two-sided t-test</i>			*	0.0462	t(6) = 2.505
	DSS W1 <i>Trem-1</i> ^{-/-} , n = 4 mice						

Figure 7K	DSS W1 WT, n = 4 mice	<i>Mann-Whitney test</i>			*	0.0286	U = 0
	DSS W1 <i>Trem-1</i> ^{-/-} , n = 4 mice						
Figure 7L	DSS W1 WT, n = 3 mice	<i>Unpaired Two-sided t-test</i>			*	0.049	t(4) = 2.796
	DSS W1 <i>Trem-1</i> ^{-/-} , n = 3 mice						
Figure 7N	DSS W1 WT, n = 3 mice	<i>Unpaired Two-sided t-test</i>			**	0.0041	t(4) = 5.904
	DSS W1 <i>Trem-1</i> ^{-/-} , n = 3 mice						
Figure 7O	DSS W1 WT, n = 4 mice	<i>Unpaired Two-sided t-test</i>			****	<0.0001	t(6) = 10.09
	DSS W1 <i>Trem-1</i> ^{-/-} , n = 4 mice						
Figure 7Q	DSS W1 WT, n = 4 mice	<i>Unpaired Two-sided t-test</i>			****	<0.0001	t(6) = 12.19
	DSS W1 <i>Trem-1</i> ^{-/-} , n = 4 mice						
Figure 7S	DSS W1 WT, n = 4 mice	<i>Unpaired Two-sided t-test</i>			*	0.0226	t(6) = 3.046
	DSS W1 <i>Trem-1</i> ^{-/-} , n = 4 mice						
Figure 8B	DSS W4 WT, n = 14 mice	<i>Unpaired Two-sided t-test</i>			**	0.007	t(20) = 3.004
	DSS W4 <i>Trem-1</i> ^{-/-} , n = 8 mice						
Figure 8E	DSS W4 WT, n = 6 mice	<i>Two-way RM ANOVA</i>	<i>Sidak's</i>	Group × pressure interaction	*	0.0438	F (3, 30) = 3.047
	DSS W4 <i>Trem-1</i> ^{-/-} , n = 6 mice						
				20 mmHg	ns	0.9902	
				40 mmHg	ns	0.1929	
				60 mmHg	***	0.0002	

				80 mmHg	**	0.002	
Figure 8G PAG	DSS W4 WT, n = 6 mice	<i>Unpaired Two-sided t-test</i>			**	0.0085	t(10) = 3.264
	DSS W4 <i>Trem-1</i> ^{-/-} , n = 6 mice						
Figure 8G Colon	DSS W4 WT, n = 6 mice	<i>Unpaired Two-sided t-test</i>			*	0.0212	t(10) = 2.729
	DSS W4 <i>Trem-1</i> ^{-/-} , n = 6 mice						
Figure 8I	DSS W4 WT, n = 5 mice	<i>Unpaired Two-sided t-test</i>			*	0.0125	t(8) = 3.209
	DSS W4 <i>Trem-1</i> ^{-/-} , n = 5 mice						
Figure 9B	Naive+PBS, n = 6 mice	<i>One-way ANOVA</i>	<i>Turkey's</i>	Main effect of group	**	0.0023	F (2, 15) = 9.352
	Naive+Ly6C ⁻ monocytes, n = 6 mice						
	Naive+Ly6C ⁺ monocytes, n = 6 mice						
				Naive+PBS vs. Naive+Ly6C ⁻ monocytes	ns	0.8458	
				Naive+PBS vs. Naive+Ly6C ⁺ monocytes	**	0.0096	
				Naive+Ly6C ⁻ monocytes vs. Naive+Ly6C ⁺ monocytes	**	0.0032	
Figure 9D	Naive+PBS, n = 6 mice	<i>Two-way RM ANOVA</i>	<i>Sidak's</i>	Group × pressure interaction	*	0.0174	F (6, 45) = 2.912
	Naive+Ly6C ⁻ monocytes, n = 6 mice						
	Naive+Ly6C ⁺ monocytes, n = 6 mice						
				20 mmHg			
				Naive+PBS vs. Naive+Ly6C ⁻ monocytes	ns	0.846	
				Naive+PBS vs. Naive+Ly6C ⁺ monocytes	ns	0.8151	

				Naive+Ly6C ⁻ monocytes vs. Naive+Ly6C ⁺ monocytes	ns	0.6891	
				40 mmHg			
				Naive+PBS vs. Naive+Ly6C ⁻ monocytes	ns	0.249	
				Naive+PBS vs. Naive+Ly6C ⁺ monocytes	*	0.0406	
				Naive+Ly6C ⁻ monocytes vs. Naive+Ly6C ⁺ monocytes	ns	0.0782	
				60 mmHg			
				Naive+PBS vs. Naive+Ly6C ⁻ monocytes	ns	0.8912	
				Naive+PBS vs. Naive+Ly6C ⁺ monocytes	ns	0.106	
				Naive+Ly6C ⁻ monocytes vs. Naive+Ly6C ⁺ monocytes	*	0.035	
				80 mmHg			
				Naive+PBS vs. Naive+Ly6C ⁻ monocytes	ns	0.8388	
				Naive+PBS vs. Naive+Ly6C ⁺ monocytes	*	0.0222	
				Naive+Ly6C ⁻ monocytes vs. Naive+Ly6C ⁺ monocytes	*	0.0103	
Figure 9G	Naive+PBS, n = 4 mice	One-way ANOVA	Turkey's	Main effect of group	**	0.0058	F (2, 9) = 9.613
	Naive+Ly6C ⁻ monocytes, n = 4 mice						
	Naive+Ly6C ⁺ monoc ytes, n = 4 mice						
				Naive+PBS vs. Naive+Ly6C ⁻ monocytes	ns	0.9043	
				Naive+PBS vs. Naive+Ly6C ⁺ monocytes	**	0.0079	
				Naive+Ly6C ⁻ monocytes vs. Naive+Ly6C ⁺ monocytes	*	0.0151	
	Naive+PBS, n = 6 mice	One-way ANOVA	Turkey's	Main effect of group	**	0.0022	F (2, 15) = 9.423

Figure 9I	Naive+Ly6C ⁻ monocytes, n = 6 mice						
	Naive+Ly6C ⁺ monocytes, n = 6 mice						
				Naive+PBS vs. Naive+Ly6C ⁻ monocytes	ns	0.8233	
				Naive+PBS vs. Naive+Ly6C ⁺ monocytes	**	0.003	
				Naive+Ly6C ⁻ monocytes vs. Naive+Ly6C ⁺ monocytes	**	0.0099	
Supplementary Figure 2A	CON, n = 6 mice	<i>Kruskal-Wallis test</i>	<i>Dunn's</i>	Summary	****	<0.0001	H = 13.35
	DSS W1, n = 6 mice						
	DSS W4, n = 6 mice						
				CON vs. DSS W1	***	0.0009	
				CON vs. DSS W4	ns	0.0799	
				DSS W1 vs. DSS W4	ns	0.4792	
Supplementary Figure 2B	CON, n = 6 mice	<i>One-way ANOVA</i>	<i>Turkey's</i>	Main effect of group	****	<0.0001	F (2, 15) = 19.33
	DSS W1, n = 6 mice						
	DSS W4, n = 6 mice						
				CON vs. DSS W1	***	0.0001	
				CON vs. DSS W4	***	0.0005	
				DSS W1 vs. DSS W4	ns	0.7163	
Supplementary Figure 2C	CON, n = 6 mice	<i>One-way ANOVA</i>	<i>Turkey's</i>	Main effect of group	****	<0.0001	F (2, 15) = 24.77
	DSS W1, n = 6 mice						
	DSS W4, n = 6 mice						
				CON vs. DSS W1	****	<0.0001	
				CON vs. DSS W4	*	0.0168	
				DSS W1 vs. DSS W4	**	0.0041	
Supplementary Figure 3B	CON mCherry, n = 6 mice	<i>One-way ANOVA</i>	<i>Turkey's</i>	Main effect of group	**	0.0032	F (2, 12) = 9.594
	CON hM3D(Gq), n = 6 mice						
	CON hM4D(Gi), n = 6 mice						
				CON mCherry vs. CON hM3D(Gq)	**	0.0061	
				CON mCherry vs. CON hM4D(Gi)	ns	0.9939	

				CON hM3D(Gq) vs. CON hM4D(Gi)	**	0.0074	
Supplementary Figure 3E	CON mCherry, n = 6 mice	<i>Two-way RM ANOVA</i>	<i>Sidak's</i>	Group × pressure interaction	*	0.0233	F (6, 45) = 2.746
	CON hM3D(Gq), n = 6 mice						
	CON hM4D(Gi), n = 6 mice						
				20 mmHg			
				CON mCherry vs. CON hM3D(Gq)	ns	0.9179	
				CON mCherry vs. CON hM4D(Gi)	ns	>0.9999	
				CON hM3D(Gq) vs. CON hM4D(Gi)	ns	0.7475	
				40 mmHg			
				CON mCherry vs. CON hM3D(Gq)	ns	0.9489	
				CON mCherry vs. CON hM4D(Gi)	ns	>0.9999	
				CON hM3D(Gq) vs. CON hM4D(Gi)	ns	0.9499	
				60 mmHg			
				CON mCherry vs. CON hM3D(Gq)	**	0.0022	
				CON mCherry vs. CON hM4D(Gi)	ns	0.6869	
				CON hM3D(Gq) vs. CON hM4D(Gi)	*	0.0212	
				80 mmHg			
				CON mCherry vs. CON hM3D(Gq)	*	0.0497	
				CON mCherry vs. CON hM4D(Gi)	ns	0.9724	
				CON hM3D(Gq) vs. CON hM4D(Gi)	ns	0.0862	
Supplementary Figure 3G	DSS W1 mCherry, n = 6 mice	<i>One-way ANOVA</i>	<i>Turkey's</i>	Main effect of group	**	0.0019	F (2, 13) = 10.51
	DSS W1 hM3D(Gq), n = 6 mice						
	DSS W1 hM4D(Gi), n = 6 mice						
				DSS W1 mCherry vs. DSS W1 hM3D(Gq)	ns	0.9243	
				DSS W1 mCherry vs. DSS W1 hM4D(Gi)	**	0.007	
				DSS W1 hM3D(Gq) vs. DSS W1 hM4D(Gi)	**	0.0034	
Supplement	DSS W1 mCherry, n = 6 mice	<i>Two-way RM ANOVA</i>	<i>Sidak's</i>	Group × pressure interaction	**	0.006	F (6, 45) = 3.531

Supplementary Figure 3J	DSS W1 hM3D(Gq), n = 6 mice						
	DSS W1 hM4D(Gi), n = 6 mice						
				20 mmHg			
				DSS W1 mCherry vs. DSS W1 hM3D(Gq)	ns	0.3498	
				DSS W1 mCherry vs. DSS W1	ns	0.3782	
				DSS W1 hM3D(Gq) vs. DSS W1 hM4D(Gi)	ns	0.5799	
				40 mmHg			
				DSS W1 mCherry vs. DSS W1 hM3D(Gq)	ns	0.7978	
				DSS W1 mCherry vs. DSS W1	ns	0.3343	
				DSS W1 hM3D(Gq) vs. DSS W1 hM4D(Gi)	ns	0.1038	
				60 mmHg			
				DSS W1 mCherry vs. DSS W1 hM3D(Gq)	ns	0.8799	
				DSS W1 mCherry vs. DSS W1	***	0.0008	
				DSS W1 hM3D(Gq) vs. DSS W1 hM4D(Gi)	ns	0.156	
				80 mmHg			
				DSS W1 mCherry vs. DSS W1 hM3D(Gq)	ns	0.9438	
				DSS W1 mCherry vs. DSS W1	*	0.0445	
				DSS W1 hM3D(Gq) vs. DSS W1 hM4D(Gi)	**	0.0051	
Supplementary Figure 3L	DSS W4 mCherry, n = 6 mice	<i>One-way ANOVA</i>	<i>Turkey's</i>	Main effect of group	****	<0.0001	F (2, 12) = 44.92
	DSS W4 hM3D(Gq), n = 6 mice						
	DSS W4 hM4D(Gi), n = 6 mice						
				DSS W4 mCherry vs. DSS W4 hM3D(Gq)	**	0.0071	
				DSS W4 mCherry vs. DSS W4	***	0.0003	

				DSS W4 hM3D(Gq) vs. DSS W4 hM4D(Gi)	****	<0.0001	
Supplementary Figure 30	DSS W4 mCherry, n = 6 mice	<i>Two-way RM ANOVA</i>	<i>Sidak's</i>	Group × pressure interaction	****	<0.0001	F (6, 45) = 11.23
	DSS W4 hM3D(Gq), n = 6 mice						
	DSS W4 hM4D(Gi), n = 6 mice						
				20 mmHg			
				DSS W4 mCherry vs. DSS W4 hM3D(Gq)	ns	0.4591	
				DSS W4 mCherry vs. DSS W4 hM3D(Gq)	ns	0.984	
				DSS W4 hM3D(Gq) vs. DSS W4 hM4D(Gi)	ns	0.3269	
				40 mmHg			
				DSS W4 mCherry vs. DSS W4 hM3D(Gq)	ns	0.6524	
				DSS W4 mCherry vs. DSS W4 hM3D(Gq)	ns	0.9552	
				DSS W4 hM3D(Gq) vs. DSS W4 hM4D(Gi)	ns	0.7265	
				60 mmHg			
				DSS W4 mCherry vs. DSS W4 hM3D(Gq)	*	0.0499	
				DSS W4 mCherry vs. DSS W4 hM3D(Gq)	ns	0.1166	
				DSS W4 hM3D(Gq) vs. DSS W4 hM4D(Gi)	***	0.0005	
				80 mmHg			
				DSS W4 mCherry vs. DSS W4 hM3D(Gq)	*	0.0387	
				DSS W4 mCherry vs. DSS W4 hM3D(Gq)	*	0.0413	
				DSS W4 hM3D(Gq) vs. DSS W4 hM4D(Gi)	***	0.0002	
Supplementary Figure	CX3CR1 ^{creERT2} × iDTR DSS W1+PBS, n = 5 mice	<i>Unpaired Two-sided</i>			ns	0.1597	t(8) = 1.550

ary Figure 4B	CX3CR1 ^{creERT2} × iDTR DSS W1+DT, n = 5 mice	<i>t-test</i>					
Supplement ary Figure 4E	CX3CR1 ^{creERT2} × iDTR DSS W1+PBS, n = 6 mice	<i>Two-way RM ANOVA</i>	<i>Sidak's</i>	Group × pressure interaction	ns	0.8033	F (3, 30) = 0.3305
	CX3CR1 ^{creERT2} × iDTR DSS W1+DT, n = 6 mice						
				20 mmHg	ns	0.9082	
				40 mmHg	ns	0.5459	
				60 mmHg	ns	0.9695	
				80 mmHg	ns	0.7325	
Supplement ary Figure 4G	CX3CR1 ^{creERT2} × iDTR DSS W1+PBS, n = 6 mice	<i>Unpaired Two-sided t-test</i>			**	0.0035	t(9) = 3.916
	CX3CR1 ^{creERT2} × iDTR DSS W1+DT, n = 5 mice						
Supplement ary Figure 4H	CX3CR1 ^{creERT2} × iDTR DSS W4+PBS, n = 5 mice	<i>Unpaired Two-sided t-test</i>			*	0.0119	t(8) = 3.241
	CX3CR1 ^{creERT2} × iDTR DSS W4+DT, n = 5 mice						

Supplementary Figure 4K	CX3CR1 ^{creERT2} × iDTR DSS W4+PBS, n = 6 mice	<i>Two-way RM ANOVA</i>	<i>Sidak's</i>	Group × pressure interaction	ns	0.0677	F (3, 30) = 2.638
	CX3CR1 ^{creERT2} × iDTR DSS W4+DT, n = 6 mice						
				20 mmHg	ns	0.8438	
				40 mmHg	ns	0.1444	
				60 mmHg	ns	0.2428	
				80 mmHg	*	0.0203	
Supplementary Figure 4M	CX3CR1 ^{creERT2} × iDTR DSS W4+PBS, n = 5 mice	<i>Unpaired Two-sided t-test</i>			***	0.0002	t(8) = 6.278
	CX3CR1 ^{creERT2} × iDTR DSS W4+DT, n = 5 mice						
Supplementary Figure 5B dmPAG	CX3CR1 ^{creERT2} × iDTR DSS W1+PBS, n = 3 mice	<i>Unpaired Two-sided t-test</i>			ns	0.8416	t(4) = 0.2132
	CX3CR1 ^{creERT2} × iDTR DSS W1+DT, n = 3 mice						
Supplementary Figure	CX3CR1 ^{creERT2} × iDTR DSS W1+PBS, n = 3 mice	<i>Unpaired Two-sided</i>			ns	0.0668	t(4) = 2.500

5B dIPAG	CX3CR1 ^{creERT2} × iDTR DSS W1+DT, n = 3 mice	<i>t-test</i>					
Supplement ary Figure 5B IPAG	CX3CR1 ^{creERT2} × iDTR DSS W1+PBS, n = 3 mice	<i>Unpaired Two-sided t-test</i>			ns	>0.9999	t(4) = 0.000
	CX3CR1 ^{creERT2} × iDTR DSS W1+DT, n = 3 mice						
Supplement ary Figure 5B vIPAG	CX3CR1 ^{creERT2} × iDTR DSS W1+PBS, n = 3 mice	<i>Unpaired Two-sided t-test</i>			*	0.0111	t(4) = 4.468
	CX3CR1 ^{creERT2} × iDTR DSS W1+DT, n = 3 mice						
Supplement ary Figure 5B DRN	CX3CR1 ^{creERT2} × iDTR DSS W1+PBS, n = 3 mice	<i>Unpaired Two-sided t-test</i>			ns	0.7136	t(4) = 0.3941
	CX3CR1 ^{creERT2} × iDTR DSS W1+DT, n = 3 mice						
Supplement ary Figure 6B	DSS W1 PBS, n = 4 mice	<i>Mann–Whitney test</i>			*	0.0286	U = 0
	DSS W1 anti-Ly6G, n = 4 mice						
Supplement ary Figure	DSS W1 PBS, n = 6 mice	<i>Unpaired Two-sided</i>			ns	0.8086	t(10) = 0.2487

ary Figure 6C	DSS W1 anti-Ly6G, n = 6 mice	<i>t-test</i>					
Supplementary Figure 6F	DSS W1 PBS, n = 6 mice	<i>Two-way RM ANOVA</i>	<i>Sidak's</i>	Group × pressure interaction	ns	0.8047	F (3, 30) = 0.3286
	DSS W1 anti-Ly6G, n = 6 mice						
				20 mmHg	ns	0.9782	
				40 mmHg	ns	0.1726	
				60 mmHg	ns	0.9496	
				80 mmHg	ns	0.9366	
Supplementary Figure 6H	DSS W4 PBS, n = 4 mice	<i>Unpaired Two-sided t-test</i>			***	0.0004	t(6) = 6.948
	DSS W4 anti-Ly6G, n = 4 mice						
Supplementary Figure 6I	DSS W4 PBS, n = 4 mice	<i>Unpaired Two-sided t-test</i>			ns	0.4866	t(6) = 0.7411
	DSS W4 anti-Ly6G, n = 4 mice						
Supplementary Figure 6L	DSS W1 PBS, n = 6 mice	<i>Two-way RM ANOVA</i>	<i>Sidak's</i>	Group × pressure interaction	ns	0.9305	F (3, 30) = 0.1475
	DSS W1 anti-Ly6G, n = 6 mice						
				20 mmHg	ns	0.2052	
				40 mmHg	ns	0.9989	
				60 mmHg	ns	0.9623	
				80 mmHg	ns	0.9993	
Supplementary Figure 8A	DSS W1 NC siRNA, n = 6 mice	<i>Unpaired Two-sided t-test</i>			*	0.0136	t(10) = 2.988
	DSS W1 TREM1 siRNA, n = 6 mice						
Supplementary Figure 8D	DSS W1 NC siRNA, n = 6 mice	<i>Two-way RM ANOVA</i>	<i>Sidak's</i>	Group × pressure interaction	ns	0.0621	F (3, 30) = 2.718
	DSS W1 TREM1 siRNA, n = 6 mice						
				20 mmHg	ns	0.9964	
				40 mmHg	**	0.0095	
				60 mmHg	*	0.0496	

				80 mmHg	ns	0.368	
Supplementary Figure 8F	DSS W1 NC siRNA, n = 4 mice	Unpaired Two-sided t-test			*	0.0114	t(6) = 3.597
	DSS W1 TREM1 siRNA, n = 4 mice						
Supplementary Figure 8H	DSS W1 NC siRNA, n = 4 mice	Unpaired Two-sided t-test			**	0.0017	t(6) = 5.352
	DSS W1 TREM1 siRNA, n = 4 mice						
Supplementary Figure 8J	DSS W1 NC siRNA, n = 6 mice	Unpaired Two-sided t-test			***	0.0001	t(10) = 5.934
	DSS W1 TREM1 siRNA, n = 6 mice						
Supplementary Figure 8K	DSS W4 NC siRNA, n = 6 mice	Unpaired Two-sided t-test			*	0.0312	t(10) = 2.505
	DSS W4 TREM1 siRNA, n = 6 mice						
Supplementary Figure 8N	DSS W4 NC siRNA, n = 6 mice	Two-way RM ANOVA	Sidak's	Group × pressure interaction	****	<0.0001	F (3, 30) = 18.12
	DSS W4 TREM1 siRNA, n = 6 mice						
				20 mmHg	ns	>0.9999	
				40 mmHg	*	0.0331	
				60 mmHg	**	0.0086	
				80 mmHg	***	0.001	
Supplementary Figure 8P	DSS W4 NC siRNA, n = 4 mice	Unpaired Two-sided t-test			ns	0.8187	t(6) = 0.2395
	DSS W4 TREM1 siRNA, n = 4 mice						
Supplementary Figure 8R	DSS W4 NC siRNA, n = 4 mice	Unpaired Two-sided t-test			ns	0.2301	t(6) = 1.336
	DSS W4 TREM1 siRNA, n = 4 mice						
Supplementary Figure 8T	DSS W4 NC siRNA, n = 6 mice	Unpaired Two-sided t-test			**	0.0015	t(10) = 4.314
	DSS W4 TREM1 siRNA, n = 6 mice						

Supplementary Figure 9A	Naive+PBS, n = 4 mice	<i>One-way ANOVA</i>	<i>Turkey's</i>	Main effect of group	***	0.0001	F (2, 9) = 28.50
	Naive+Ly6C ⁻ monocytes, n = 4 mice						
	Naive+Ly6C ⁺ monocytes, n = 4 mice						
				Naive+PBS vs. Naive+Ly6C ⁻ monocytes	ns	0.9109	
				Naive+PBS vs. Naive+Ly6C ⁺ monocytes	***	0.0004	
				Naive+Ly6C ⁻ monocytes vs. Naive+Ly6C ⁺ monocytes	***	0.0002	
Supplementary Figure 9B	Naive+PBS, n = 4 mice	<i>One-way ANOVA</i>	<i>Turkey's</i>	Main effect of group	****	<0.0001	F (2, 9) = 90.95
	Naive+Ly6C ⁻ monocytes, n = 4 mice						
	Naive+Ly6C ⁺ monocytes, n = 4 mice						
				Naive+PBS vs. Naive+Ly6C ⁻ monocytes	ns	0.6913	
				Naive+PBS vs. Naive+Ly6C ⁺ monocytes	****	<0.0001	
				Naive+Ly6C ⁻ monocytes vs. Naive+Ly6C ⁺ monocytes	****	<0.0001	
Supplementary Figure 9D	Ly6C ⁺ monocytes Vehicle, n = 6 mice	<i>Unpaired Two-sided t-test</i>			*	0.02	t(10) = 2.763
	Ly6C ⁺ monocytes Naloxone, n = 6						
Supplementary Figure 9G	Ly6C ⁺ monocytes Vehicle, n = 6 mice	<i>Two-way RM ANOVA</i>	<i>Sidak's</i>	Group × pressure interaction	****	<0.0001	F (3, 40) = 29.35
	Ly6C ⁺ monocytes Naloxone, n = 6						
				20 mmHg	ns	>0.9999	
				40 mmHg	ns	0.9954	
				60 mmHg	****	<0.0001	

				80 mmHg	****	<0.0001	
Supplementary Figure 9H	DSS W1 Vehicle, n = 4 mice	<i>Unpaired Two-sided t-test</i>			****	<0.0001	t(6) = 13.02
	DSS W1 RS102895, n = 4						
Supplementary Figure 9I	DSS W1 Vehicle, n = 4 mice	<i>Unpaired Two-sided t-test</i>			****	<0.0001	t(6) = 23.06
	DSS W1 RS102895, n = 4						
Supplementary Figure 9K	RS102895 Vehicle, n = 6 mice	<i>Unpaired Two-sided t-test</i>			*	0.0291	t(10) = 2.545
	RS102895 Naloxone n = 6 mice						
Supplementary Figure 9N	RS102895 Vehicle, n = 6 mice	<i>Two-way RM ANOVA</i>	<i>Sidak's</i>	Group × pressure interaction	****	<0.0001	F (3, 30) = 11.59
	RS102895 Naloxone n = 6 mice						
				20 mmHg	ns	0.9475	
				40 mmHg	ns	0.3748	
				60 mmHg	*	0.0358	
				80 mmHg	*	0.0449	