Supplementary Information Tables

Contents

Table S1: Intraoperative monitoring of TBI and sham mice

Table S1-1: 5d survival, cohort 1

	TBI		Sham	
	Male	**Female**	**Male**	**Female**
rectal temperature preoperative [°C]	36.9±0.2	36.6±0.2	36.7±0.3	36.9±0.2
rectal temperature intraoperative [°C]	36.2±0.2	36.0±0.3	37.2±0.3	37.1±0.5
duration of operation [min]	17.7±1.1	18.0±1.0	17.4±0.9	16.1±0.6

Table S1-2: 30d survival, cohort 2

	TBI		Sham	
	Male	**Female**	**Male**	**Female**
rectal temperature preoperative [°C]	36.6±0.2	36.5±0.1	36.4±0.3	36.3±0.2
rectal temperature intraoperative [°C]	35.4±0.3	35.0±0.2	36.6±0.4	36.5±0.2
duration of operation [min]	19.2±0.9	17.3±0.4	16.0±0.6	15.0±0

Body temperature was controlled by a feedback heating device adjusted to 37° C intraoperatively. Physiological and technical parameters, including rectal temperature as well as duration of operation, were monitored before and/or during the operation. Physiological variables were monitored before randomization to PLX3397 and vehicle groups. Values are expressed as mean ± SEM. Mann-Whitney U test within male or female groups revealed a longer duration of surgery between TBI and sham mice in cohort 2 (male: Mann-Whitney U=15.50, p=0.0089, female: Mann-Whitney U=0, p<0.0001), and unpaired two-tailed t test revealed a lower intraoperative temperature between female TBI and sham mice (cohort 2, t=4.598, df=18, p=0.0002). There were no statistical significant differences between other groups.

Table S2: Food consumption (to Fig. S1)

Mice were caged as pairs and data show food consumption/per cage with two mice. Pellets were weighed daily and the day-to-day difference was considered as the 24h-food intake of the pair.

Table S2-1: 5d survival, cohort 1

	PLX3397				vehicle			
	TBI		Sham		TBI		Sham	
	Male	**Female**	**Male**	**Female**	**Male**	**Female**	**Male**	**Female**
1dpi	4.80±0.27	3.57±1.23	8.05±0.55	6.50±0.70	4.83±1.73	3.40±1,33	8.75±2.15	5.80±0.30
2dpi	7.57±0.52	5.93±.,13	7.55±1.4	6.55±0.25	6.60±0.74	5.83±0.32	5.75±0.25	5.90±0.30
3dpi	6.80±0.49	5.43±0.60	5.50±0.10	7.45±1.25	6.93±0.30	6.23±0.47	5.55±0.85	6.85±0.25
4dpi	5.73±0.12	5.47±1.02	5.90±0.20	3.45±0.95	6.77±0.63	5.83±0.35	5.90±0.50	4.85±0.75
5dpi	6.43±0.52	5.53±0.19	5.60±0.70	3.10±1.20	7.40±0.70	5.73±0.99	6.90±0.80	6.70±0.60
Total	31.33±1.58	25.93±0.54	32.60±1.70	27.05±0.05	32.53±1.43	27.03±1.42	32.85±4.55	30.10±0.10

Table S2-2: 30d survival, cohort 2

	PLX3397				vehicle			
	TBI		Sham		TBI		Sham	
	Male	Female	Male	Female	Male	Female	Male	Female
1dpi	0.77±0.77	2.20±1.32	5.80±2.30	5.45±0.45	2.20±0.27	1.83±0.94	7.25±0.35	7.00±0.30
2dpi	6.03±0.88	4.90±0.62	5.90±0.80	5.65±0.05	6.50±0.85	4.10±0.70	9.90±0.40	8.40±1.60
3dpi	7.73±0.94	5.17±0.22	6.40±0.50	5.40±0.30	6.33±0.24	6.27±1.46	6.15±0.95	7.35±1.25
4dpi	7.27±0.82	10.33±1.55	5.70±0.40	3.55±0.35	6.83±0.26	6.10±0.78	7.10±0.20	4.30±0.80
5dpi	7.47±0.38	4.97±1.02	7.55±0.15	6.60±2.00	5.87±0.96	6.83±0.95	7.05±0.45	5.35±2.05
Total	29.27±0.49	27.57±1.31	31.35±0.75	26.65±3.05	27.73±0.67	25.13±1.75	37.45±0.85	32.40±2.80

Table S2-3: cohort 1 + cohort 2 pooled

	PLX3397				vehicle			
	TBI		Sham		TBI		Sham	
	Male	Female	Male	Female	Male	Female	Male	Female
1dpi	2.78±0.97	2.88±0.87	6.93±1.16	5.98±0.46	3.52±0.98	2.62±0.81	8.00±0.99	6.40±0.39
2dpi	6.80±0.57	5.42±0.62	6.73±0.83	6.10±0.28	6.55±0.50	4.97±0.52	7.83±1.21	7.15±0.98
3dpi	7.27±0.52	5.30±0.29	5.95±0.33	6.43±0.79	6.63±0.22	6.25±0.69	5.85±0.55	7.10±0.54
4dpi	6.50±0.50	7.90±1.37	5.80±0.19	3.50±0.41	6.80±0.31	5.97±0.39	6.50±0.41	4.58±0.48
5dpi	6.95±0.37	5.25±0.48	6.58±0.63	4.85±1.39	6.63±0.63	6.28±0.66	6.98±0.38	6.03±0.96
Total	30.3±0.87	26.75±0.73	31.96±0.84	26.85±1.25	30.13±1.29	26.08±1.09	35.15±2.31	31.25±1.32

Table S2-4: Statistics of food consumption

two-way ANOVA

p_1: TBI+PLX3397 vs. TBI+Vehicle

p_2: TBI+PLX3397 vs. sham+PLX3397

p_3: TBI+PLX3397 vs. sham+Vehicle

p_4: TBI+Vehicle vs. sham+PLX3397

p_5: TBI+Vehicle vs. sham+Vehicle

p_6: sham+PLX3397 vs. sham+Vehicle

		Interaction	TBI	PLX3397	Post hoc test
Cohort 1+2					
Male	1dpi	F (1, 16) = 0.02631 p=0.8732	F (1, 16) = 16.76 p=0.00008	F (1, 16) = 0.7369 p=0.4033	p_1=0.7690 p_2=0.0524 p_3=0.0716

					p_4=0.1044 **p_5=0.0409** p_6=0.7690
	2dpi	F (1, 16) = 0.8072 p=0.3823	F (1, 16) = 0.6378 p=0.4362	F (1, 16) = 0.3200 p=0.5795	p_1=0.9915 p_2=0.9915 p_3=0.8831 p_4=0.9915 p_5=0.8186 p_6=0.8831
	3dpi	F (1, 16) = 0.3791 p=0.5468	F (1, 16) = 5.877 p=0.0276	F (1, 16) = 0.7167 p=0.4097	p_1=0.6283 p_2=0.2149 p_3=0.1893 p_4=0.6283 p_5=0.6283 p_6=0.8834
	4dpi	F (1, 16) = 0.2381 p=0.6322	F (1, 16) = 1.488 p=0.2401	F (1, 16) = 1.488 p=0.2401	p_1=0.9210 p_2=0.7542 p_3>0.9999 p_4=0.4816 p_5=0.9210 p_6=0.7542
	5dpi	F (1, 16) = 0.4351 p=0.5189	F (1, 16) = 0.000941 p=0.9759	F (1, 16) = 0.005883 p=0.9398	p_1=0.9975 p_2=0.9975 p_3=0.9975 p_4=0.9975 p_5=0.9975 p_6=0.9975
	In total	F (1, 16) = 1.480 p=0.2415	F (1, 16) = 5.933 p=0.0269	F (1, 16) = 1.199 p=0.2897	p_1=0.9248 p_2=0.7344 p_3=0.1144 p_4=0.7344 p_5=0.1144 p_6=0.4905
Female	**1dpi**	F (1, 16) = 0.1979 p=0.6623	F (1,16) = 19.56 p=0.0004	F (1, 16) = 0.01037 p=0.9201	p_1=0.9264 **p_2=0.0371** p_3=0.0276 p_4=0.0299 **p_5=0.0199** p_6=0.9264
	2dpi	F (1, 16) = 1.344 p=0.2634	F (1, 16) = 4.907 p=0.0416	F (1, 16) = 0.2150 p=0.6491	p_1=0.7149 p_2=0.7149 p_3=0.3280 p_4=0.6546 p_5=0.1656 p_6=0.6721
	3dpi	F (1, 16) = 0.05241 p=0.8218	F (1, 16) = 2.703 p=0.1196	F (1, 16) = 1.830 p=0.1949	p_1=0.6803 p_2=0.6803

					p_3=0.2652 p_4=0.8394 p_5=0.7017 p_6=0.7282
	4dpi	F (1, 16) = 2.660 p=0.1224	F (1, 16) = 9.860 p=0.0063	F (1, 16) = 0.2166 p=0.6480	p_1=0.3114 **p_2=0.0230** p_3=0.1027 p_4=0.2737 p_5=0.5125 p_6=0.5125
	5dpi	F (1, 16) = 0.007115 p=0.9338	F (1, 16) = 0.1536 p=0.7003	F (1, 16) = 1.729 p=0.2071	p_1=0.8796 p_2=0.9327 p_3=0.8917 p_4=0.8148 p_5=0.9327 p_6=0.8796
	total	F (1, 16) = 5.383 p=0.0339	F (1, 16) = 5.816 p=0.0283	F (1, 16) = 2.923 p=0.1067	p_1=0.9478 p_2=0.9492 p_3=0.0497 p_4=0.9478 **p_5=0.0244** p_6=0.0750

Table S3: Body weight (to Fig. S2)

Table S3-1: 5d survival, cohort 1

(body weight in grams)

	PLX3397				**vehicle**			
	TBI		**Sham**		**TBI**		**Sham**	
	Male	**Female**	**Male**	**Female**	**Male**	**Female**	**Male**	**Female**
Pre-OP	27.67±1.36	19.90±0.42	29.08±0.80	19.00±0.29	28.50±0.86	19.23±0.27	28.23±1.04	19.80±0.61
1dpi	26.20±1.29	19.12±0.34	28.75±0.79	19.88±0.44	26.57±0.56	17.77±0.40	28.03±0.94	20.40±0.41
3dpi	26.68±1.32	19.28±0.33	28.53±0.69	19.40±0.22	27.95±0.76	19.35±0.49	28.40±1.15	20.73±0.27
5dpi	26.30±1.42	19.63±0.33	27.90±0.63	19.43±0.43	27.62±0.78	19.33±0.43	27.75±1.22	20.13±0.53

Table S3-2: 30d survival, cohort 2

(body weight in grams)

	PLX3397				**vehicle**			
	TBI		**Sham**		**TBI**		**Sham**	
	Male	**Female**	**Male**	**Female**	**Male**	**Female**	**Male**	**Female**

Pre-OP	26.35±0.90	22.00±0.50	27.78±1.13	21.58±0.42	28.05±0.46	21.93±0.37	27.73±0.93	21.3±0.51
1dpi	24.65±0.76	20.53±0.81	27.15±1.05	21.65±0.37	26.23±0.43	20.28±0.58	28.25±0.71	21.78±0.25
3dpi	25.38±0.80	20.70±0.90	26.85±1.04	21.33±0.57	26.78±0.30	20.55±0.38	28.60±0.60	22.20±0.41
5dpi	25.87±0.73	20.50±0.72	26.90±1.00	20.48±0.64	27.00±0.40	20.92±0.39	28.78±0.65	21.30±0.21
14dpi	28.35±0.79	22.10±0.86	29.45±1.27	21.75±0.62	29.10±1.48	21.83±0.47	29.25±0.53	21.58±0.31
30dpi	29.35±1.04	22.72±0.61	30.13±1.41	22.43±0.73	29.17±0.54	23.25±0.48	30.18±0.50	22.63±0.30

Table S3-3: Statistics of comparison for body weights

two-way ANOVA

p_1: TBI+PLX3397 vs. TBI+Vehicle

p_2: TBI+PLX3397 vs. sham+PLX3397

p_3: TBI+PLX3397 vs. sham+Vehicle

p_4: TBI+Vehicle vs. sham+PLX3397

p_5: TBI+Vehicle vs. sham+Vehicle

p_6: sham+PLX3397 vs. sham+Vehicle

		Interaction	TBI	PLX3397	Post hoc test
Cohort 1					
Male	**Pre-OP**	F (1, 16) = 0.5526 p=0.4680	F (1, 16) = 0.2505 p=0.6235	F (1, 16) = 0.00005417 p=0.9942	p_1=0.9581 p_2=0.9495 p_3=0.9581 p_4=0.9581 p_5=0.9581 p_6=0.9581
	1dpi	F (1, 16) = 0.2941 p=0.5951	F (1, 16) = 3.966 p=0.0638	F (1, 16) = 0.03169 p=0.8609	p_1=0.8762 p_2=0.4401 p_3=0.6261 p_4=0.5419 p_5=0.6867 p_6=0.8762
	3dpi	F (1, 16) = 0.4079 p=0.5321	F (1, 16) = 1.106 p=0.3086	F (1, 16) = 0.2745 p=0.6075	p_1=0.8442 p_2=0.8212 p_3=0.8212 p_4=0.9766 p_5=0.9766 p_6=0.9766
	5dpi	F (1, 16) = 0.4093 p=0.5314	F (1, 16) = 0.5717 p=0.4606	F (1, 16) = 0.2590 p=0.6177	p_1=0.9161 p_2=0.9161 p_3=0.9161 p_4=0.9975 p_5=0.9975 p_6=0.9975

Female	**Pre-OP**	F (1, 16) = 3.179 p=0.0936	F (1, 16) = 0.1642 p=0.6907	F (1, 16) = 0.02627 p=0.8733	p_1=0.7082 p_2=0.5993 p_3=0.9061 p_4=0.9061 p_5=0.7183 p_6=0.7082
	1dpi	F (1, 16) = 5.286 p=0.0353	F (1, 16) = 17.30 p=0.0007	F (1, 16) = 1.023 p=0.3268	p_1=0.0726 p_2=0.3712 p_3=0.1174 p_4=0.0106 **p_5=0.0019** p_6=0.4181
	3dpi	F (1, 16) = 2.548 p=0.13	F (1, 16) = 3.581 p=0.0767	F (1, 16) = 3.117 p=0.0966	p_1=0.9957 p_2=0.9957 p_3=0.1135 p_4=0.9957 p_5=0.1203 p_6=0.1696
	5dpi	F (1, 16) = 1.352 p=0.2620	F (1, 16) = 0.4600 p=0.5073	F (1, 16) = 0.2163 p=0.6481	p_1=0.9305 p_2=0.9305 p_3=0.8949 p_4=0.9305 p_5=0.7595 p_6=0.8424
Cohort 2					
Male	**Pre-OP**	F (1, 16) = 1.045 p=0.3219	F (1, 16) = 0.4128 p=0.5297	F (1, 16) = 0.9287 p=0.3495	p_1=0.5840 p_2=0.7727 p_3=0.7727 p_4=0.9910 p_5=0.9910 p_6=0.9910
	1dpi	F (1, 16) = 0.1063 p=0.7487	F (1, 16) = 9.280 p=0.0077	F (1, 16) = 3.275 p=0.0892	p_1=0.2967 p_2=0.1405 p_3=0.0203 p_4=0.5806 p_5=0.2596 p_6=0.5806
	3dpi	F (1, 16) = 0.05999 p=0.8096	F (1, 16) = 5.279 p=0.0354	F (1, 16) = 4.859 p=0.0425	p_1=0.4361 p_2=0.4361 p_3=0.0342 p_4=0.9482 p_5=0.3797 p_6=0.4361
	5dpi	F (1, 16) = 0.2788 p=0.6047	F (1, 16) = 3.997 p=0.0628	F (1, 16) = 4.587 p=0.0479	p_1=0.5259 p_2=0.5289

					p_3=0.0576 p_4=0.9211 p_5=0.3858 p_6=0.3858
	14dpi	F (1, 16) = 0.1614 p=0.6932	F (1, 16) = 0.2794 p=0.6044	F (1, 16) = 0.05409 p=0.8190	p_1=0.9898 p_2=0.9878 p_3=0.9895 p_4=0.9957 p_5=0.9957 p_6=0.9957
	30dpi	F (1, 16) = 0.01538 p=0.9028	F (1, 16) = 0.8984 p=0.3573	F (1, 16) = 0.005022 p=0.9444	p_1=0.9855 p_2=0.9751 p_3=0.9751 p_4=0.9751 p_5=0.9751 p_6=0.9855
Female	**Pre-OP**	F (1, 16) = 0.04931 p=0.8271	F (1, 16) = 1.272 p=0.2759	F (1, 16) = 0.1326 p=0.7205	p_1=0.9516 p_2=0.9516 p_3=0.8893 p_4=0.9516 p_5=0.8893 p_6=0.9516
	1dpi	F (1, 16) = 0.08448 p=0.7750	F (1, 16) = 4.087 p=0.0603	F (1, 16) = 0.009387 p=0.9240	p_1=0.9440 p_2=0.5745 p_3=0.5745 p_4=0.5656 p_5=0.5405 p_6=0.9440
	3dpi	F (1, 16) = 0.5894 p=0.4538	F (1, 16) = 2.904 p=0.1077	F (1, 16) = 0.2949 p=0.5946	p_1=0.8788 p_2=0.8788 p_3=0.5063 p_4=0.8788 p_5=0.4673 p_6=0.8788
	5dpi	F (1, 16) = 0.1256 p=0.7277	F (1, 16) = 0.09670 p=0.7598	F (1, 16) = 1.161 p=0.2972	p_1=0.9675 p_2=0.9759 p_3=0.9180 p_4=0.9675 p_5=0.9675 p_6=0.9180
	14dpi	F (1, 16) = 0.004669 p=0.9464	F (1, 16) = 0.2056 p=0.6563	F (1, 16) = 0.1084 p=0.7462	p_1=0.9982 p_2=0.9982 p_3=0.9951 p_4=0.9982 p_5=0.9982 p_6=0.9982
	30dpi	F (1, 16) = 0.08393	F (1, 16) = 0.6347	F (1, 16) = 0.4062	p_1=0.9513

		p=0.7758	p=0.4373	p=0.5329	p_2=0.9791 p_3=0.9791 p_4=0.9060 p_5=0.9513 p_6=0.9791

Table S4: Primary and secondary antibodies

Table S4-1: Primary antibodies

Primary Antibody	Host	IHC, dilution	WB, dilution	Manufacturer	RRID
CD68	Rat	1:500		Bio-Rad Laboratories, Inc.; Hercules; CA, USA	AB_2074849
GFAP	Guinea pig	1:500		Dako North America, Inc.; Carpinteria, CA, USA	AB_10641162
Iba1	Guinea pig	1:500		Synaptic System GmbH; Göttingen, DE	AB_2493179
IL-1β	Rabbit	1:100		Bio-Rad Laboratories, Inc.; Hercules; CA, USA	AB_2233635
Ki67	Rabbit	1:500		Cell Signaling Technology; Cambridge, UK	AB_2687446
NeuN	Rabbit	1:500		Abcam; Cambridge, UK	AB_10711153
GAPDH	Mouse		1:1,000	Acris Antibody; Herford, DE	AB_1616730
GFAP	Rabbit		1:1,000	Dako North America, Inc.; Carpinteria, CA, USA	AB_10013382
Iba1	Rabbit		1:500	Wako Pure Chemical Industries, Osaka, JPN	AB_839504

Table S4-2: Secondary antibodies

Secondary Antibody	Host	Reactivity	IHC, dilution	WB/dot-blot, dilution	Manufacturer	RRID
Alexa Fluor 488 Highly cross-absorbed	Goat	Guinea pig	1:500		Invitrogen/Life Technologies; Karlsruhe, DE	AB_2534117
Alexa Fluor 488 Cross-absorbed	Goat	Rat	1:500			AB_2534074
Alexa Fluor 568 Cross-absorbed	Goat	Rat	1:500			AB_2534121
Alexa Fluor 568 Highly cross-absorbed	Goat	Guinea pig	1:500			AB_2534119
Alexa Fluor 568 Cross-absorbed	Goat	Rabbit	1:500			AB_143157
Alexa Fluor 633 Highly cross-absorbed	Goat	Guinea pig	1:500			AB_2535757
Alexa Fluor 633 Cross-absorbed	Goat	Rabbit	1:500			AB_2535731
IgG IRDye 680RD	Goat	Rabbit		1:15,000	Li-Cor; Lincoln, NE, USA	AB_621841
IgG IRDye 680RD	Goat	Mouse		1:15,000		AB_10793856
IgG IRDye 800CW	Goat	Rabbit		1:15,000		AB_2651127
IgG IRDye 800CW	Goat	Mouse		1:15,000		AB_10793856

Table S5: Primers used in qPCR

Gene name, (amplicon size, bp, annealing	Oligonucleotide sequences 5'–3'	Gene bank number

temperature, °C)	(fw: forward, rev: reverse)	
Aif1 **(144 bp, 58°C)**	fw-ATCAACAAGCAATTCCTCGATGA rev-CAGCATTCGCTTCAAGGACATA	NM_019467
Arg1 **(185 bp, 58°C)**	fw-CTCCAAGCCAAAGTCCTTAGAG rev-AGGAGCTGTCATTAGGGACATC	NM_007482
Bax **(137 bp, 58°C)**	fw-AGACAGGGGCCTTTTTGCTAC rev-AATTCGCCGGAGACACTCG	NM_007527.3
C1qa **(192 bp, 58°C)**	fw: CGGGTCTCAAAGGAGAGAGA rev: TATTGCCTGGATTGCCTTTC	NM_007572.2
Casp3 **(105 bp, 58°C)**	fw-TGGTGATGAAGGGGTCATTTATG rev-TTCGGCTTTCCAGTCAGACTC	NM_001284409.1
Cd68 **(113 bp, 58°C)**	fw: CCCACCTGTCTCTCTCATTTC rev: CACATTGTATTCCACCGCC	NM_001291058.1
Csf1r **(122 bp, 58°C)**	fw: TCTCTTTCTCCATCCTATTCCC rev: AAGCCTTCAGCTTACCCAC	NM_001037859.2
Fcgr1 **(211 bp, 58°C)**	fw: CCACAATGATTGGCTGCTACT rev: CGTGCCTGAGCAGTGGTA	NM_010186.5
Gfap **(120 bp, 58°C)**	fw: CGGAGACGCATCACCTCTG rev: TGGAGGAGTCATTCGAGACAA	NM_001131020
Il1b **(348 bp, 55°C)**	fw: GTG CTG TCG GAC CCA TAT GAG rev: CAG GAA GAC AGG CTT GTG CTC Cy5-CAG CTG GAG AGT GTG GAT CCC AAG C--PH FL-TAA TGA AAG ACG GCA CAC CCA CCC	NM_008361
Il1r1 **(196 bp, 58°C)**	fw: CGCAAGTGTCCTCTTACTCCA rev: TGAGGCAGTAAGTTGAGTTTCTTAC	XM_006495713.4
Mrc1 **(184 bp, 58°C)**	fw: GGCTGATTACGAGCAGTGGA rev: ATGCCAGGGTCACCTTTCAG	NM_008625.2
Ppia **(146 bp, 58°C)**	fw-GCGTCTSCTTCGAGCTGTT rev-RAA GTC ACC CTG GCA	NM_008907
Tnfa **(212 bp, 62°C)**	fw: TCTCAGTTCTATGGCCC rev: GGGAGTAGACAAGGTACAAC	NM_013693

Table S6. Statistics of Iba1$^+$ M/M counts at 5dpi (to Fig. S4)

Male	Female
Fig. S4B, Student`s t-test	**Student`s t-test**
t=4.379, df=10 TBI+PLX3397 vs. TBI+Vehicle: **p=0.0014**	t=2.892, df=10 TBI+PLX3397 vs. TBI+Vehicle: **p=0.016**

Table S7. Statistics of CD68$^+$ and GFAP$^+$ immunohistochemistry at 30 dpi (to Fig. S5)

Male	Female
Fig. S5B, two-way ANOVA	**two-way ANOVA**
TBI*PLX3397: F (1, 16) = 0.002257, p=0.9627 TBI: F (1, 16) = 91.91, p<0.0001 PLX3397: F (1, 16) =0.00005, p=0.9940 Post hoc test: TBI+PLX3397 vs. TBI+Vehicle: p=0.9988 TBI+PLX3397 vs. sham+PLX3397: **p<0.0001** TBI+Vehicle vs. sham+Vehicle: **p<0.0001** Sham+PLX3397 vs. sham+Vehicle: p=0.9988	TBI*PLX3397: F (1, 16) = 5.339, p=0.0345 TBI: F (1, 16) = 127.8, p<0.0001 PLX3397: F (1, 16) = 3.299, p=0.0881 Post hoc test: TBI+PLX3397 vs. TBI+Vehicle: **p=0.0098** TBI+PLX3397 vs. sham+PLX3397: **p<0.0001** TBI+Vehicle vs. sham+Vehicle: **p<0.0001** Sham+PLX3397 vs. sham+Vehicle: p=0.7537

Fig. S5C	
TBI*PLX3397: F (1, 16) = 0.01577, p=0.9016 TBI: F (1, 16) = 164.3, p<0.0001 PLX3397: F (1, 16) = 0.03154, p=0.8613, post hoc test: TBI+PLX3397 vs. TBI+Vehicle: p=0.9653 TBI+PLX3397 vs. sham+PLX3397: **p<0.0001** TBI+Vehicle vs. sham+Vehicle: **p<0.0001** Sham+PLX3397 vs. sham+Vehicle: p=0.9736	TBI*PLX3397: F (1, 16) = 0.1447, p=0.7087 TBI: F (1, 16) = 66.67, p<0.0001 PLX3397: F (1, 16) = 0.07017, p=0.7945 post hoc test: TBI+PLX3397 vs. TBI+Vehicle: p=0.8533 TBI+PLX3397 vs. sham+PLX3397: **p=0.0001** TBI+Vehicle vs. sham+Vehicle: **p=0.0002** Sham+PLX3397 vs. sham+Vehicle: p=0.9415

Table S8. Statistics for Fig. 1

two-way ANOVA

Male	Female
Fig. 1D	
TBI*PLX3397: F(1,16)=9.577, p=0.0070 TBI: F(1,16)=77.54, p<0.0001 PLX3397: F(1,16)=6.951, p=0.018 post hoc test: TBI+PLX3397 vs. TBI+Vehicle: **p=0.0014** TBI+PLX3397 vs. sham+PLX3397: **p=0.0019** TBI+Vehicle vs. sham+Vehicle: **p<0.0001** Sham+PLX3397 vs. sham+Vehicle: p=0.7712	TBI*PLX3397:F(1,16)=14.57, p=0.0015 TBI: F(1,16)=306.6, p<0.0001 PLX3397: F(1,16)=16.20, p=0.001 post hoc test: TBI+PLX3397 vs. TBI+Vehicle: **p<0.0001** TBI+PLX3397 vs. sham+PLX3397: **p<0.0001** TBI+Vehicle vs. sham+Vehicle: **p<0.0001** Sham+PLX3397 vs. sham+Vehicle: p=0.8954
Fig. 1E	
TBI*PLX3397:F(1,16)=0.07132, p=0.7928 TBI: F(1,16)=62.91, p<0.0001 PLX3397: F(1,16)=0.05913, p=0.811 post hoc test: TBI+PLX3397 vs. TBI+Vehicle: p=0.9582 TBI+PLX3397 vs. sham+PLX3397: **p=0.0002** TBI+Vehicle vs. sham+Vehicle: **p=0.0002** Sham+PLX3397 vs. sham+Vehicle: p=0.9356	TBI*PLX3397:F(1,16)=0.04932, p=0.8271 TBI: F(1,16)=67.18, p<0.0001 PLX3397: F(1,16)=0.3030, p=0.5896 post hoc test: TBI+PLX3397 vs. TBI+Vehicle: p=0.7975 TBI+PLX3397 vs. sham+PLX3397: **p=0.0001** TBI+Vehicle vs. sham+Vehicle: **p=0.0001** Sham+PLX3397 vs. sham+Vehicle: p=0.8348

Table S9: Statistics for Fig. 2

two-way ANOVA

p_1: TBI+PLX3397 vs. TBI+Vehicle

p_2: TBI+PLX3397 vs. sham+PLX3397

p_3: TBI+Vehicle vs. sham+Vehicle

p_4: Sham+PLX3397 vs. sham+Vehicle

		Interaction	TBI	PLX3397	Post hoc test

Cd68	**Male**	F (1, 16) = 14.97 p=0.0014	F (1, 16) = 168.6 p<0.0001	F (1, 16) = 19.19 p=0.0005	**p_1<0.0001** **p_2<0.0001** **p_3<0.0001** p_4=0.7451
	Female	F (1, 16) = 36.89 p<0.0001	F (1, 16) = 244.3 p<0.0001	F (1, 16) = 40.10 p<0.0001	**p_1<0.0001** **p_2<0.0001** **p_3<0.0001** p_4=0.8695
Aif1	**Male**	F (1, 16) = 35.51 p<0.0001	F (1, 16) = 247.4 p<0.0001	F (1, 16) = 92.57 p<0.0001	**p_1<0.0001** **p_2<0.0001** **p_3<0.0001** **p_4=0.0311**
	Female	F (1, 15) = 22.66 p=0.0003	F (1, 15) = 130.6 p<0.0001	F (1, 15) = 36.39 p<0.0001	**p_1<0.0001** **p_2=0.0005** **p_3<0.0001** p_4=0.4378
Fcgr1	**Male**	F (1, 16) = 25.95 p=0.0001	F (1, 16) = 231.7 p<0.0001	F (1, 16) = 42.10 p<0.0001	**p_1<0.0001** **p_2<0.0001** **p_3<0.0001** p_4=0.3814
	Female	F (1, 16) = 31.48 p<0.0001	F (1, 16) = 284.3 p<0.0001	F (1, 16) = 43.60 p<0.0001	**p_1<0.0001** **p_2<0.0001** **p_3<0.0001** p_4=0.5309
Tnfa	**Male**	F (1, 16) = 2.985 p=0.1033	F (1, 16) = 63.18 p<0.0001	F (1, 16) = 3.151 p=0.0949	**p_1=0.0272** **p_2=0.0018** **p_3<0.0001** p_4=0.9759
	Female	F (1, 16) = 5.483 p=0.0325	F (1, 16) = 53.68 p<0.0001	F (1, 16) = 1.327 p=0.2663	**p_1=0.0276** **p_2=0.0084** **p_3<0.0001** p_4=0.4537
Arg1	**Male**	F (1, 16) = 9.952 p=0.0061	F (1, 16) = 94.53 p<0.0001	F (1, 16) = 10.16 p=0.0057	**p_1=0.0005** **p_2=0.0008** **p_3<0.0001** p_4=0.9835
	Female	F (1, 16) = 3.427 p=0.0827	F (1, 16) = 44.30 p<0.0001	F (1, 16) = 2.923 p=0.1066	**p_1=0.0247** **p_2=0.0119** **p_3=0.0001** p_4=0.9283
Mrc1	**Male**	F (1, 16) = 27.26 p<0.0001	F (1, 16) = 71.36 p<0.0001	F (1, 16) = 188.5 p<0.0001	**p_1<0.0001** **p_2=0.0365** **p_3<0.0001** **p_4=0.0001**
	Female	F (1, 16) = 23.46 p=0.0002	F (1, 16) = 78.80 p<0.0001	F (1, 16) = 169.9 p<0.0001	**p_1<0.0001** **p_2=0.0191** **p_3<0.0001**

					p_4=0.0002
C1qa	**Male**	F (1, 16) = 6.151 p=0.0246	F (1, 16) = 84.88 p<0.0001	F (1, 16) = 18.33 p=0.0006	**p_1=0.0003** **p_2=0.0006** **p_3<0.0001** p_4=0.2620
	Female	F (1, 16) = 8.356 p=0.0106	F (1, 16) = 75.25 p<0.0001	F (1, 16) = 15.47 p=0.0012	**p_1=0.0002** **p_2=0.0026** **p_3<0.0001** p_4=0.5107
Csf1r	**Male**	F (1, 16) = 6.472 p=0.0217	F (1, 16) = 101.8 p<0.0001	F (1, 16) = 102.9 p<0.0001	**p_1<0.0001** **p_2=0.0002** **p_3<0.0001** **p_4=0.0003**
	Female	F (1, 16) = 28.08 p<0.0001	F (1, 16) = 53.16 p<0.0001	F (1, 16) = 46.62 p<0.0001	**p_1<0.0001** p_2=0.4450 **p_3<0.0001** p_4=0.5625
Bax	**Male**	F (1, 16) = 0.6843 p=0.4203	F (1, 16) = 15.05 p=0.0013	F (1, 16) = 14.45 p=0.0016	**p_1=0.0105** p_2=0.1329 **p_3=0.0169** p_4=0.1405
	Female	F (1, 16) = 0.009594 p=0.9232	F (1, 16) = 13.56 p=0.0020	F (1, 16) = 2.494 p=0.1338	p_1=0.4505 p_2=0.0806 p_3=0.0854 p_4=0.4505
Casp3	**Male**	F (1, 16) = 0.3614 p=0.5561	F (1, 16) = 15.97 p=0.0010	F (1, 16) = 0.3018 p=0.5903	p_1=0.9678 **p_2=0.0297** p_3=0.1032 p_4=0.7174
	Female	F (1, 16) = 0.1387 p=0.7144	F (1, 16) = 14.21 p=0.0017	F (1, 16) = 0.1509 p=0.7028	p_1=0.8028 p_2=0.0563 p_3=0.1103 p_4=0.9919
Il1b	**Male**	F (1, 16) = 0.06014 p=0.8094	F (1, 16) = 41.81 p<0.0001	F (1, 16) = 0.3715 p=0.5507	p_1=0.7588 **p_2=0.0011** **p_3=0.0018** p_4=0.8171
	Female	F (1, 16) = 0.09153 p=0.7661	F (1, 16) = 29.89 p<0.0001	F (1, 16) = 0.07768 p=0.7840	p_1=0.8789 **p_2=0.0052** **p_3=0.0083** p_4=0.9879
Il1r1	**Male**	F (1, 16) = 0.8029 p=0.3835	F (1, 16) = 37.78 p<0.0001	F (1, 16) = 0.0001029 p=0.9920	p_1=0.7338 **p_2=0.0008** **p_3=0.0057** p_4=0.7338
	Female	F (1, 16) = 1.130 p=0.3036	F (1, 16) = 31.18 p<0.0001	F (1, 16) = 0.3037 p=0.5892	p_1=0.6911

					p_2=0.0014 **p_3=0.0167** p_4=0.5280
Gfap	**Male**	F (1, 16) = 0.2632 p=0.6149	F (1, 16) = 68.28 p<0.0001	F (1, 16) = 0.2461 p=0.6266	p_1=0.6826 **p_2<0.0001** **p_3=0.0002** p_4=0.9914
	Female	F (1, 16) = 0.003409 p=0.9542	F (1, 16) = 37.10 p<0.0001	F (1, 16) = 0.04117 p=0.8418	p_1=0.9741 **p_2=0.0025** **p_3=0.0025** p_4=0.9741
Anti-Iba1	**Male**	F (1, 16) = 7.653 p=0.0138	F (1, 16) = 16.59 p=0.0009	F (1, 16) = 6.368 P=0.0226	**p_1=0.0028** p_2=0.6414 **p_3=0.0011** p_4=0.8773
	Female	F (1, 16) = 18.69 P=0.0005	F (1, 16) = 59.10 p<0.0001	F (1, 16) = 30.62 p<0.0001	**p_1<0.0001** p_2=0.0878 **p_3<0.0001** p_4=0.4462
Anti-GFAP	**Male**	F (1, 15) = 0.07940 p=0.7820	F (1, 15) = 18.65 p=0.0006	F (1, 15) = 0.003255 p=0.9553	p_1=0.9727 **p_2=0.0382** **p_3=0.0382** p_4=0.9727
	Female	F (1, 16) = 0.009258 p=0.9245	F (1, 16) = 56.96 p<0.0001	F (1, 16) = 0.1792 p=0.6777	p_1=0.9333 **p_2=0.0003** **p_3=0.0003** p_4=0.9333

Table S10. Statistics for Fig. 3

Male	**Female**
Fig. 3B, Student`s t-test	**Student`s t-test**
t=0.2593, df=10 TBI+PLX3397 vs. TBI+Vehicle: p=0.8006	t=1.171, df=10 TBI+PLX3397 vs. TBI+Vehicle: p=0.2686
Fig. 3D Student`s t-test	**Student`s t-test**
t=0.1187, df=10 TBI+PLX3397 vs. TBI+Vehicle: p=0.9079	t=0.9264, df=10 TBI+PLX3397 vs. TBI+Vehicle: p=0.3760
Fig. 3F, Student`s t-test	**Student`s t-test**
t=4.068, df=7 TBI+PLX3397 vs. TBI+Vehicle: **p=0.0048**	t=3.982, df=6 TBI+PLX3397 vs. TBI+Vehicle: **p=0.0073**
Fig. 3K, Welch`s t-test	**Welch`s t-test**
t=3.211, df=5.189 TBI+PLX3397 vs. TBI+Vehicle: **p=0.0225**	t=3.410, df=6.157 TBI+PLX3397 vs. TBI+Vehicle: **p=0.0138**

Table S11. Statistics for Fig. 4

Male	Female
Fig. 4B, two-way ANOVA	**two-way ANOVA**
TBI*PLX3397: F(1,16)=1.099, p=0.31 TBI: F(1,16)=21.25, p=0.0003 PLX3397: F(1,16)=2.321, p=0.1471 post hoc test: TBI+PLX3397 vs. TBI+Vehicle: p=0.1271 TBI+PLX3397 vs. sham+PLX3397: **p=0.0051** TBI+Vehicle vs. sham+Vehicle: p=0.0882 Sham+PLX3397 vs. sham+Vehicle: p=0.7631	TBI*PLX3397:F(1,16)=0.5884, p=0.4542 TBI: F(1,16)=59.03, p<0.0001 PLX3397:F(1,16)=0.8164, p=0.3796 post hoc test: TBI+PLX3397 vs. TBI+Vehicle: p=0.9154 TBI+PLX3397 vs. sham+PLX3397: **p<0.0001** TBI+Vehicle vs. sham+Vehicle: **p=0.0007** Sham+PLX3397 vs. sham+Vehicle: p=0.5056
Fig. 4D, Welch`s t-test	**Student`s t-test**
t=3.369, df=5.284 TBI+PLX3397 vs. TBI+Vehicle: **p=0.0183**	t=5.824, df=10 TBI+PLX3397 vs. TBI+Vehicle: **p=0.0002**
Fig. 4E, Pearson`s correlation r=-0.6034, **p=0.0018**	
Fig. 4F, Pearson`s correlation r=-0.5381, **p=0.0067**	

Table S12. Statistics for Fig. 5

Male	Female
Fig. 5C, two-way ANOVA	
Cell type*PLX3397: F(1,20)=0.5282, p=0.4758 cell type: F(1,20)=331.6, p<0.0001 PLX3397: F(1,20)=2.563, p=0.1250 post hoc test: IL-1β/CD68: TBI+PLX3397 vs. IL-1β/CD68 TBI+Vehicle: p=0.5434 IL-1β/CD68: TBI+PLX3397 vs. IL-1β/GFAP: TBI+PLX3397: **p<0.0001** IL-1β/CD68: TBI+Vehicle vs. IL-1β/GFAP TBI+Vehicle: **p<0.0001** IL-1β/GFAP: TBI+ PLX3397 vs. IL-1β/GFAP TBI+Vehicle: p=0.2147	cell type*PLX3397: F(1,20)=0.1019, p=0.7528 cell type: F(1,20)=532.0, p<0.0001 PLX3397: F(1,20)=0.2613, p=0.6149 post hoc test: IL-1β/CD68: TBI+PLX3397 vs. IL-1β/CD68 TBI+Vehicle: p=0.8934 IL-1β/CD68: TBI+PLX3397 vs. IL-1β/GFAP: TBI+PLX3397: **p<0.0001** IL-1β/CD68: TBI+Vehicle vs. IL-1β/GFAP TBI+Vehicle: **p<0.0001** IL-1β/GFAP: TBI+PLX3397 vs. IL-1β/GFAP TBI+Vehicle: p=0.8096
Fig. 5D, Pearson`s correlation r=0.4078, **p=0.0479**	
Fig. 5E, Pearson`s correlation r=0.0094, p=0.9652	

Table S13. Statistics for Fig. 6

Male	Female
Fig. 6C, Mann-Whitney U test	**Student`s t-test**
Mann-Whitney U=0 TBI+PLX3397 vs. TBI+Vehicle: **p=0.0022**	t=3.474, df=10 TBI+PLX3397 vs. TBI+Vehicle: **p=0.0060**
Fig. 6D, Student`s t-test	**Student`s t-test**

t=4.227, df=10 TBI+PLX3397 vs. TBI+Vehicle: **p=0.0018**	t=3.111, df=10 TBI+PLX3397 vs. TBI+Vehicle: **p=0.0110**
Fig. 6E, Student`s t-test	**Student`s t-test**
t=2.370, df=10 TBI+PLX3397 vs. TBI+Vehicle: **p=0.0393**	t=1.048, df=10 TBI+PLX3397 vs. TBI+Vehicle: **p=0.3194**
Fig. 6G, two-way ANOVA	**two-way ANOVA**
ipsi*PLX3397: F(1,16)=7.359, p=0.0154 ipsi: F(1,16)=610.9, p<0.0001 PLX3397: F(1,16)=8.311, p=0.0107 post hoc test: PLX3397+ipsi vs. Vehicle+ipsi: **p=0.0022** PLX3397+ipsi vs. PLX3397+contra: **p<0.0001** Vehicle+ipsi vs. Vehicle+contra: **p<0.0001** PLX3397+contra vs. Vehicle+contra: p=0.9039	ipsi*PLX3397: F(1,16)=0.5943, p=0.4520 ipsi: F(1,16)=229.2, p<0.0001 PLX3397: F(1,16)=0.4758, p=0.5002 post hoc test: PLX3397+ipsi vs. Vehicle+ipsi: p=0.5335 PLX3397+ipsi vs. PLX3397+contra: **p<0.0001** Vehicle+ipsi vs. Vehicle+contra: **p<0.0001** PLX3397+contra vs. Vehicle+contra: p=0.9550
Fig. 6H, two-way ANOVA	**two-way ANOVA**
ipsi*PLX3397: F(1,16)=2.479, p=0.1349 ipsi: F(1,16)=700.3, p<0.0001 PLX3397: F(1,16)=4.726, p=0.0451 post hoc test: PLX3397+ipsi vs. Vehicle+ipsi: **p=0.0346** PLX3397+ipsi vs. PLX3397+contra: **p<0.0001** Vehicle+ipsi vs. Vehicle+contra: **p<0.0001** PLX3397+contra vs. Vehicle+contra: p=0.6773	ipsi*PLX3397: F(1,16)=2.967, p=0.1043 ipsi: F(1,16)=547.0, p<0.0001 PLX3397: F(1,16)=0.4265, p=0.5230 post hoc test: PLX3397+ipsi vs. Vehicle+ipsi: p=0.2122 PLX3397+ipsi vs. PLX3397+contra: **p<0.0001** Vehicle+ipsi vs. Vehicle+contra: **p<0.0001** PLX3397+contra vs. Vehicle+contra: p=0.4606

Table S14: Statistics for Fig. 7

Two-way-ANOVA

p_1: TBI+PLX3397 vs. TBI+Vehicle

p_2: TBI+PLX3397 vs. sham+PLX3397

p_3: TBI+Vehicle vs. sham+Vehicle

p_4: Sham+PLX3397 vs. sham+Vehicle

		Interaction	TBI	PLX3397	Post hoc test
Cd68	**Male**	F (1, 16) = 9.564 p=0.0070	F (1, 16) = 410.5 p<0.0001	F (1, 16) = 8.602 p=0.0098	**p_1=0.0004** **p_2<0.0001** **p_3<0.0001** p_4=0.9191
	Female	F (1, 16) = 2.225 p=0.1552	F (1, 16) = 60.64 p<0.0001	F (1, 16) = 1.872 p=0.1901	p_1=0.0746 **p_2<0.0001** **p_3=0.0013** p_4=0.9376
Aif1	**Male**	F (1, 16) = 1.515 p=0.2362	F (1, 16) = 521.4 p<0.0001	F (1, 16) = 0.4092 p=0.5315	p_1=0.2921 **p_2<0.0001** **p_3<0.0001** p_4=0.7078

	Female	F (1, 16) = 0.6035 p=0.4486	F (1, 16) = 157.2 p<0.0001	F (1, 16) = 0.2831 p=0.6020	p_1=0.5323 **p_2<0.0001** **p_3<0.0001** p_4=0.8764
Fcgr1	**Male**	F (1, 16) = 0.9957 p=0.3332	F (1, 16) = 479.5 p<0.0001	F (1, 16) = 0.2085 p=0.6541	p_1=0.6745 **p_2<0.0001** **p_3<0.0001** p_4=0.5926
	Female	F (1, 16) = 2.027 p=0.1737	F (1, 16) = 65.51 p<0.0001	F (1, 16) = 2.163 p=0.1608	p_1=0.0708 **p_2<0.0001** **p_3=0.0009** p_4=0.9762
Tnfa	**Male**	F(1, 16)=0.7371 p=0.4033	F(1, 16)=115.9 p<0.0001	F(1, 16)=1.150 p=0.2996	p_1=0.2714 **p_2<0.0001** **p_3<0.0001** p_4=0.8920
	Female	F (1, 16) = 0.4694 p=0.5031	F (1, 16) = 45.00 p<0.0001	F (1, 16) = 2.221 p=0.1556	p_1=0.1985 **p_2=0.0004** **p_3=0.0024** p_4=0.6104
Arg1	**Male**	F(1, 15)= 0.0008028 p=0.9778	F(1, 15)=7.115 p=0.0176	F(1, 15)=7.615 p=0.0146	p_1=0.2388 p_2=0.2548 p_3=0.2548 p_4=0.2548
	Female	F(1, 14)=2.623 p=0.1276	F(1, 14)=8.062 p=0.0131	F(1, 14)=4.818 p=0.0455	**p_1=0.0494** **p_2=0.0348** p_3=0.7872 p_4=0.8814
Mrc1	**Male**	F(1, 16)=2.487 p=0.1344	F(1,16)=121.1 p<0.0001	F(1, 16)=2.853 p=0.1106	**p_1=0.0397** **p_2<0.0001** **p_3<0.0001** p_4=0.9432
	Female	F(1, 16)=6.605 p=0.0206	F(1, 16)=57.96 p<0.0001	F(1, 16)=2.232 p=0.1547	**p_1=0.0108** **p_2<0.0001** **p_3=0.0077** p_4=0.4972
C1qa	**Male**	F (1, 16) = 1.731 p=0.2068	F (1, 16) = 108.3 p<0.0001	F (1, 16) = 2.495 p=0.1338	p_1=0.0708 **p_2<0.0001** **p_3<0.0001** p_4=0.8669
	Female	F (1, 16) = 1.655 p=0.2166	F (1, 16) = 146.0 p<0.0001	F (1, 16) = 1.042 p=0.3225	p_1=0.1662 **p_2<0.0001** **p_3<0.0001** p_4=0.8660
Csf1r	**Male**	F (1, 16) = 1.769 p=0.2021	F (1, 16) = 292.5 p<0.0001	F (1, 16) = 0.07078 p=0.7936	p_1=0.5351 **p_2<0.0001** **p_3<0.0001**

					p_4=0.5351
	Female	F (1, 16) = 0.8386 p=0.3734	F (1, 16) = 189.6 p<0.0001	F (1, 16) = 3.467 p=0.0811	p_1=0.0845 **p_2<0.0001** **p_3<0.0001** p_4=0.5499
Bax	**Male**	F (1, 16) = 1.673 p=0.2142	F (1, 16) = 40.29 p<0.0001	F (1, 16) = 4.052 p=0.0613	**p_1=0.0372** **p_2=0.0101** **p_3=0.0003** p_4=0.6485
	Female	F (1, 16) = 11.06 p=0.0043	F (1, 16) = 27.52 p<0.0001	F (1, 16) = 3.876 p=0.0665	**p_1=0.0028** **p_2<0.0001** p_3=0.3494 p_4=0.3941
Casp3	**Male**	F (1, 16) = 1.949 p=0.1817	F (1, 16) = 61.64 p<0.0001	F (1, 16) = 5.090 p=0.0384	**p_1=0.0213** **p_2=0.0013** **p_3<0.0001** p_4=0.5865
	Female	F (1, 16) = 7.050 p=0.0173	F (1, 16) = 19.44 p=0.0004	F (1, 16) = 0.02023 p=0.8887	p_1=0.1809 **p_2=0.0008** p_3=0.2327 p_4=0.1809
Il1b	**Male**	F (1, 16) = 2.027 p=0.1738	F (1, 16) = 61.71 p<0.0001	F (1, 16) = 0.09873 p=0.7574	p_1=0.3413 **p_2=0.0010** **p_3<0.0001** p_4=0.4842
	Female	F (1, 16) = 6.126 p=0.0249	F (1, 16) = 53.44 p<0.0001	F (1, 16) = 1.651 p=0.2171	**p_1=0.0179** **p_2<0.0001** **p_3=0.0105** p_4=0.4536
Il1r1	**Male**	F (1, 16) = 11.08 p=0.0043	F (1, 16) = 218.3 p<0.0001	F (1, 16) = 5.494 p=0.0323	**p_1=0.0008** **p_2<0.0001** **p_3<0.0001** p_4=0.5339
	Female	F (1, 16) = 9.124 p=0.0081	F (1, 16) = 64.39 p<0.0001	F (1, 16) = 1.471 p=0.2428	**p_1=0.0082** **p_2<0.0001** **p_3=0.0082** p_4=0.2604
Gfap	**Male**	F(1, 16)=3.023 p=0.1013	F(1, 16)=250.2 p<0.0001	F(1, 16)=2.939 p=0.1057	**p_1=0.0294** **p_2<0.0001** **p_3<0.0001** p_4=0.9877
	Female	F(1, 16)=2.324 p=0.1469	F(1, 16)=124.3 p<0.0001	F(1, 16)=1.457 p=0.2450	p_1=0.0906 **p_2<0.0001** **p_3<0.0001** p_4=0.8402

Table S15. Statistics for Fig. 8

two-way ANOVA

Male	Female
Fig. 8A	**Fig. 8B**
time*(PLX3397+TBI): F(15,140)=29.09, p<0.0001 time:F(5,140)=83.65, p<0.0001 PLX3397+TBI t: F(3,36)=135.2, p<0.0001 TBI+PLX3397 vs. TBI+Vehicle: Pre-OP: p>0.9999 1dpi: **p<0.0001** 3dpi: **p=0.0259** 5dpi: p=0.9609 14dpi: p=0.5700 30dpi: p=0.9728	time*(PLX3397+TBI): F(15,140)=26.14, p<0.0001 time: F(5,140)=76.84, p<0.0001 PLX3397+TBI: F(3,36)=99.47, p<0.0001 TBI+PLX3397 vs. TBI+Vehicle: Pre-OP: p>0.9999 1dpi: p=0.8048 3dpi: p>0.9999 5dpi: p=0.4258 14dpi: p=0.0909 30dpi: **p=0.0312**
Fig. 8C	**Fig. 8D**
time*(PLX3397+TBI): F(15,139)=2.839, p=0.0007 time: F(5,139)=6.043, p<0.0001 PLX3397+TBI: F(3,36)=6.719, p=0.001 TBI+PLX3397 vs. TBI+Vehicle: Pre-OP: p=0.8552 1dpi: p=0.3566 3dpi: p=0.8500 5dpi: p=0.9451 14dpi: p=0.4079 30dpi: p=0.8003	time*(PLX3397+TBI): F(15,140)=2.947, p=0.0004 time: F(5,140)=1.835, p=0.1098 (PLX3397+TBI): F(3,36)=7.386, p=0.0006 TBI+PLX3397 vs. TBI+Vehicle: Pre-OP: p=0.2851 1dpi: **p=0.0008** 3dpi: p=0.0634 5dpi: p=0.8753 14dpi: **p=0.0024** 30dpi: p=0.3231
Fig. 8E	**Fig. 8F**
time*(PLX3397+TBI): F(15,140)=2.246, p=0.0074 time: F(5,140)=18.95, p<0.0001 PLX3397+TBI: F(3,36)=2.483, p=0.0765 TBI+PLX3397 vs. TBI+Vehicle: Pre-OP: p=0.2270 1dpi: p=0.9022 3dpi: p=0.7230 5dpi: p=0.9204 14dpi: **p=0.0063** 30dpi: p=0.3722	time*(PLX3397+TBI): F(15,139)=2.947, p=0.4684 time: F(2.326, 64.65)=23.22, p<0.0001 PLX3397+TBI: F(3,36)=5.198, p=0.0044 TBI+PLX3397 vs. TBI+Vehicle: Pre-OP: p=0.5972 1dpi: p=0.9470 3dpi: p=0.9232 5dpi: p=0.7810 14dpi: p=0.8970 30dpi: p=0.9134