Table SI. Sequences of primers used in reverse transcription-quantitative PCR.

PrimerBank ID	Gene	Sequence (5'-3')	Length	Location
40254570c1	TYROBP	F: CCCAAGATGCGACTGTTCTTC	21	96-116
		R: GTCCCTTGACCTCGGGAGA	19	227-209
161484598c1	CD86	F: TCAATGGGACTGCATATCTGCC	22	95-116
		R: GCCAAAATACTACCAGCTCACT	22	172-151
31542356a1	CCR5	F: TTTTCAAGGGTCAGTTCCGAC	21	6-26
		R: GGAAGACCATCATGTTACCCAC	22	163-142
6755244a1	PTPRC	F: ATGGTCCTCTGAATAAAGCCCA	22	3332-3353
		R: TCAGCACTATTGGTAGGCTCC	21	3401-3381
145966904c1	ITGB2	F: CAGGAATGCACCAAGTACAAAGT	23	67-89
		R: GTCACAGCGCAAGGAGTCA	19	189-171
1272338a1	FCGR2B	F: AGAAGCTGCCAAAACTGAGG	20	777-796
		R: CTTCGGGATGCTTGAGAAGTG	21	838-818
158749637c1	TLR2	F: CTCTTCAGCAAACGCTGTTCT	21	49-69
		R: GGCGTCTCCCTCTATTGTATTG	22	285-264

6679937a1	GAPDH	F: AGGTCGGTGTGAACGGATTTG	21	8-28
		R: TGTAGACCATGTAGTTGAGGTCA	23	130-108

All primers anneal to genes in *Mus musculus*. F, forward; R, reverse.

Table SII. Summary of sequencing methods and experimental methods.

First author, year	GEO ID	Method	Species	Modeling method	Ref.
Tweedie *et al*, 2016	GSE71846	mRNA array	*Mus musculus*	Controlled mechanical impact	(1)
Barrett *et al*, 2021	GSE180811	mRNA array	*Mus musculus*	Controlled mechanical impact	(2)
Puhakka *et al*, 2022	GSE192979	Bulk mRNA seq	*Mus musculus*	Fluid-percussion injury	(3)
Catta-Preta *et al*, 2021	GSE173975	Bulk mRNA seq	*Rattus norvegicust*	Fluid-percussion injury	(4)
Solano *et al*, 2021	GSE173431	Bulk mRNA seq	*Mus musculus*	Falling weight impact	(5)
Todd *et al*, 2021	GSE167459	Bulk mRNA seq	*Mus musculus*	Fluid-percussion injury	(6)
Attilio *et al*, 2021	GSE163415	Bulk mRNA seq	*Mus musculus*	Pneumatic impactor impact	(7)
Enam *et al*, 2020	GSE144193	Bulk mRNA seq	*Mus musculus*	Controlled mechanical impact	(8)
Somebang *et al*, 2019	GSE129927	Bulk mRNA seq	*Mus musculus*	Controlled mechanical impact	(9)

Zhong *et al*, 2018	GSE79441	Bulk mRNA seq	*Mus musculus*	Controlled mechanical impact	(10)
Arneson *et al*, 2022	GSE180862	Single cell mRNA seq	*Mus musculus*	Fluid-percussion injury	(11)
Witcher *et al*, 2020	GSE160763	Single cell mRNA seq	*Mus musculus*	Fluid-percussion injury	(12)
Arneson *et al*, 2018	GSE101901	Single cell mRNA seq	*Mus musculus*	Fluid-percussion injury	(13)

Seq; sequencing; GEO, Gene Expression Omnibus.

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