

Supplementary table 1

Data from previous RT-qPCRs studies of miR-199a-5p levels after SCI

		Ctrl	3 dpi	7 dpi
Yunta et al., 2012	raw data \pm SD	7.83 \pm 0.13	8.62 \pm 0.49	8.89 \pm 0.52
	statistics			1.5E-02
Chen et al., 2022	raw data \pm SD	1867.89 \pm 262.17	1881.33 \pm 552.14	
	statistics		3.329	
Liu et al., 2009 (Fold change = log ₂ (SCI/ SHAM))	raw data \pm SD	-	-	1.02 \pm 0.97
	statistics			2.2E-01

Yunta, Mónica, Manuel Nieto-Díaz, Francisco J. Esteban, Marcos Caballero-López, Rosa Navarro-Ruíz, David Reigada, D. Wolfgang Pita-Thomas, Ángela del Águila, Teresa Muñoz-Galdeano, and Rodrigo M. Maza. 2012. MicroRNA Dysregulation in the Spinal Cord following Traumatic Injury. *PLOS ONE* 7. Public Library of Science: e34534. <https://doi.org/10.1371/journal.pone.0034534>.

Chen, Jia-Nan, Yi-Ning Zhang, Li-Ge Tian, Ying Zhang, Xin-Yu Li, and Bin Ning. 2022. Down-regulating Circular RNA Prkcsb suppresses the inflammatory response after spinal cord injury. *Neural Regeneration Research* 17: 144–151. <https://doi.org/10.4103/1673-5374.314114>.

Liu, Nai-Kui, Xiao-Fei Wang, Qing-Bo Lu, and Xiao-Ming Xu. 2009. Altered microRNA expression following traumatic spinal cord injury. *Experimental Neurology* 219: 424–429. <https://doi.org/10.1016/j.expneurol.2009.06.015>.

Supplementary table 2

Table 1. % of neurons expressing miR-199a-5p in dorsal and ventral horn in uninjured and after SCI.

Neurons	non-injured	3 dpi	7 dpi
Dorsal horn	19.22 ± 3.13%	21.53 ± 1.82%	22.04 ± 10.94%
Ventral horn	55,36 ± 3.61%	62.74 ± 7.15%	48.27 ± 4.38%

Table 2. Spatial distribution % of neural cells expressing miR-199a-5p in uninjured and after SCI.

Neural cells	non-injured	3 dpi	7 dpi
Rostral (-0.5 mm from epicenter)	27 ± 4.2%	39.86 ± 8.9	22.34 ± 5.3
Caudal (+0.5 mm from epicenter)	24.01 ± 5.67%	35.79 ± 19.72	14.68 ± 1.21