



Table S1. Morphometric parameters of doublecortin⁺, GFAP⁺ and vimentin⁺ cells ($M \pm SD$) in the subpalial dorsal (VD), lateral (VL) and ventral (VV) zones of the intact telencephalon of juvenile masu salmon (*Oncorhynchus masou*) and after injury

Intact animals		Damaged telencephalon					
Cell size, μm/ Localization	Opti- cal den- sity, UO D	VD		VL		VV	
		Cell size, μm/ Localization	Opti- cal den- sity, UO D	Cell size, μm/ Localization	Opti- cal den- sity, UO D	Cell size, μm/ Localization	Opti- cal den- sity, UO D
Doublecortin							
11.4±1.0/7.2±1.3 (PZ)	+++	9.0±0.5/6.0±0.3 (SVZ)	+++	8.6±0.7/6.1±0.7 (PZ)	+++	8.6±0.5/6.1±0.5 (PVZ)	+++
9.0±0.4/5.9±0.4 (SVZ)	+++	8.2±0.3/6.7±0.5 (PZ)	+++	7.5±0.3/4.5±0.5 (SVZ)	+++	7.3±0.3/5.3±0.7 (PVZ)	+++
7.4±0.2/4.2±1.0 (PVZ)	+++	6.2±0.3/5.1±0.2 (SVZ)	+++	6.7±0.4/4.9±0.6 (PVZ)	+++	5.9±0.5/4.6±0.5 (PVZ)	+++
6.1±0.5/3.7±0.7 (PZ)	+++	4.9±0.2/3.0±0.2 (PVZ)	+++	5.8±0.4/4.4±0.4 (PVZ)	+++		
3.1±0.6/2.4±0.3 (PVZ)	++	11.2±0.6/8.1±1.0 (PVZ)	++	9.3±0.9/6.0±1.1 (PVZ)	++	8.5±1.0/5.6±0.6 (PVZ)	++
	++	9.3±0.5/6.9±0.8 (SVZ)	++	7.8±0.1/5.7±0.6 (SVZ)	++	7.9±0.3/6.2±0.5 (PVZ)	++
5.3±0.9/3.9±0.5 (PVZ)	+			7.0±0.2/5.0±0.4 (PVZ)	++	7.1±0.3/4.5±0.4 (PVZ)	++
7.4±0.2/4.2±1.0 (SVZ)				6.1±0.5/5.1±0.6 (PVZ)		7.0±0.3/5.5±0.6 (PVZ)	
						5.9±0.5/4.4±0.4 (PVZ)	
GFAP							
9.7±1.0/6.2±1.3 (SVZ)	+++	10.8±0.3/8.1±0.7 (PZ)	+++	9.6±0.4/7.2±0.7 (PZ)	+++	8.9±0.5/5.7±0.5* (PVZ)	+++
7.4±0.4/4.8±0.5 (PVZ)	+++	9.8±0.2/6.4±0.2 * (PVZ)	+++	7.5±0.8/5.5±0.3 (PVZ)	+++	7.8±0.2/6.6±0.3 (PVZ)	+++
		6.0±0.6/3.2±0.5 (PVZ)	+++	6.2±0.4/4.5±0.7 (SVZ)	+++	7.4±0.5/5.0±0.3(PZ)	

		4.0±0.2/2.4±0.3 (PVZ)		5.3±0.4/3.3±0.4 (PVZ)			
6.5±0.3/4.6±0.6 (SVZ)	++	11.4±0.8/6.4±1.	++	10.2±0.6/8.4±0.	++	10.2±0.6/7.3±0.7	++
	++	3 (PVZ)	++	7 (SVZ)	+	(SVZ)	++
5.0±0.5/3.8±0.6 (PVZ)	+	8.6±0.5/7.2±0.5 * (PVZ)	+	8.8±0.3/6.7±0.7 * (PVZ)	++	8.4±0.2/6.1±0.2* (PVZ)	+
11.5±0.5/7.7±1. 5 (PVZ)		8.4±1.0/5.3±0.4 (PZ)		7.1±0.5/5.0±0.4 (PVZ)		8.3±0.5/5.1±0.6 (SVZ)	
Vimentin							
9.7±0.5/6.8±0.4 (PVZ)	+++	8.0±0.7/5.6±0.6 (PZ)	+++	10.6±0.3/7.3±0.8 (PZ)	+++	6.4±0.3/4.2±0.4 (PZ)	+++
8.3±0.3/5.6±0.4 (PVZ)	++	6.6±0.4/5.3±0.7 (PVZ)	+++	8.6±0.2/5.3±0.2 (PVZ)	+++	5.6±0.2/4.0±0.6 (SVZ)	
		6.3±0.5/3.9±0.5 (PVZ)		7.0±0.5/5.3±0.9 (PVZ)			
7.3±0.3/5.3±0.7 (SVZ)	++	9.3±0.6/6.5±0.6 (PVZ)	++	7.6±0.7/5.0±0.5 (PVZ)	++	10.0±0.8/6.7±0.8 (SVZ)	++
	+	7.9±0.2/5.7±0.8 (SVZ)	++	5.9±0.5/4.3±0.3 (SVZ)	++	8.1±0.5/4.9±0.5 (SVZ)	+
6.3±0.5/4.6±0.8 (PVZ)		6.9±0.5/5.2±0.9 (SVZ)				7.9±0.7/6.6±0.6 (PVZ)	++
						5.9±0.7/4.5±0.6	

Optical density (OD) in immunopositive cells was categorized by the following scale: high (180–130 units of optical density (UOD), corresponding to +++), moderate (130–80 UOD, corresponding to ++), weak (80–40 UOD, corresponding to +), and low (less than 40 UOD, corresponding to –); the initial OD value was measured on the control mounts. The greater and lesser diameters of the cell body are shown as values divided by slash. Cells were morphologically classified on the basis of a previously developed scheme [10]. Asterisk (*) indicates radial glia that appears in the intact *O. masou* telencephalon and/or after injury.