

## SUPPLEMENTARY TABLES

**Supplementary Table 1. Sequences and annealing temperatures of the oligo primers used in this study.**

	Primer sequence		Annealing temperature
	Forward (5'→3')	Reverse (5'→3')	
IDO1	CAAAGCAATCCCCACTGTATCC	ACAAAGTCACGCATCCTCTTAAA	60° C
GAPDH	AAGGGCTCATGACCACAGTC	GGATGCAGGGATGATGTTCT	60° C

**Supplementary Table 2. List of antibodies used for immunofluorescence, western blot and *in situ* hybridization experiments.**

Antigen	Immunogen	Manufacturer	Application	Dilution
GAPDH	Glyceraldehyde 3-phosphate dehydrogenase (GAPDH) is an ubiquitous glycolytic enzyme present in reasonably high levels in almost all tissues.	Millipore, (Cat. #ABS16), rabbit monoclonal	WB	1:2000
BDNF	Synthetic peptide within Human BDNF aa 150 to the C-terminus. The exact sequence is proprietary.	Abcam, (Cat. #ab108319), rabbit monoclonal	WB	1:1000
IDO1	KLH-conjugated linear peptide corresponding to the N-terminal region of mouse IDO-1.	Millipore, (Cat. #MABF850), mouse monoclonal	IF WB	1:200 1:1000
TPH2	Tryptophan hydroxylase (TPH) is the rate-limiting enzyme in the biosynthesis of serotonin by converting tryptophan to 5-hydroxy-L tryptophan. TPH-2 is restricted to neuronal cells and the central nervous system.	CST, (Cat. #51124), rabbit monoclonal	IF IF	1:100 1:200
Nestin	Nestin is expressed in both mature and precursor neuronal and glial cells, as well as in the developing brain and in the brain and spinal cord following damage, Nestin is widely accepted as a marker of neural stem/progenitor cells.	CST, (Cat. #4760), Mouse monoclonal	IF	1:400
DCX	Doublecortin is a microtubule associated protein that stabilizes and bundles microtubules.	CST, (Cat. #4604), rabbit monoclonal	IF	1:300