

Key of terms to identify data sets and variable in datasets

Term	Where is it used	Definition
Artery_morphology	In the name of a data file	Designates morphological data collected from the ventral tail artery.
Body_weight	In the name of a data file	Designates body weight data collected
Dorsalrootganglia_immunodata	In the name of a data file	Designates data showing the immunostained area in sections of the dorsal root ganglia
Dorsalrootganglia_PCR_table	In the name of a data file	Designates data collected by PCR from the dorsal root ganglia
Dorsalrootganglia_nitrotyrosine_number	In the name of a data file	Designates data showing the number of nitrotyrosine immunostained neurons in the dorsal root ganglia
Hormones	In the name of a data file	Designates data showing circulating hormone concentrations
Nerve_immunodata	In the name of a data file	Designates data showing the immunostained area in sections of the ventral tail nerve
PCR_artery	In the name of a data file	Designates PCR data from the ventral tail artery
Artery_immunodata	In the name of a data file	Designates data showing the immunostained area in sections of the ventral tail artery
PCR_skin	In the name of a data file	Designates PCR data from the skin of the ventral tail artery
PCR_spinalcord	In the name of a data file	Designates PCR data from the spinalcord
Skin_immunodata	In the name of a data file	Designates data showing the immunostained area in sections of the skin from the tail
Animal	Column name in datafiles	Designates the animal number
Condition	Column name in datafiles	Designates the condition 0-control, 2N-2 Newtons, 4N-4 Newtons of applied pressure
Days	Column name in datafiles	Designates the number of days of exposure
average internal diameter (μm)	Column name in datafiles	Designates the average internal diameter measures from ventral tail arteries
average muscle thickness (μm)	Column name in datafiles	Designates the average thickness of vascular smooth muscle in ventral tail arteries
Body weight	Column name in datafiles	Designates the body weight on a particular day
% body weight from day 1	Column name in datafiles	Designates the % change in body weight from day 1
average area (antigen name) (μm^2)	Column name in datafiles	Designates the average area stained for various antigens in microns squared

Average area of (antigen name) sensory receptors (μm^2)	Column name in datafiles	Designates the average area immunostained for a specific antigen in sensory receptors of the skin
average area (antigen name) VSM artery (μm^2)	Column name in datafiles	Designates the average area immunostained for a specific antigen in the vascular smooth muscle (VSM) of arteries in the skin
average area (antigen name) endothelial artery (μm^2)	Column name in datafiles	Designates the average area immunostained for a specific antigen in the endothelial cells of arteries in the skin
Beta-actin	Column name in datafiles	Designates the CT value for beta-actin measured by PCR
fold change (transcript name)	Column name in datafiles	Designates the fold change in a specific transcript as compared to controls measured by PCR
nNOS, eNos, iNOS, BDNF, GDNF, TH, PCNA, TNF, CGRP, PGP9.5, MBP, VEGF, CNPase, Cat, Ninj, Sod2, Il6 or Il1 β , Et1, Vegf, Bach1, Psd95, Creb	Column name in datafiles	Abbreviations of antigens in immunohistochemistry or transcript names in PCR files: nNOS (neuronal nitric oxide synthase), eNOS (endothelial nitric oxide synthase), iNOS (inducible nitric oxide synthase), BDNF (brain-derived nerve growth factor), GDNF (glial derived nerve growth factor), TH (tyrosine hydroxylase), PCNA (proliferating cell nuclear antigen), TNF (tumor necrosis factor), CGRP (calcitonin gene-related peptide), PGP9.5 (marker of nerve injury and repair), MBP (myelin basic protein), VEGF (vascular endothelial growth factor), CNPase (cyclic nucleotide phosphatase), cat (catalase), ninj (ninjurin-1), sod2 (superoxide dismutase 2), il (interleukin)-6 or il1 β , et1 (endothelin-1), hif1 (hypoxia-induced factor 1), vegf (vascular endothelial growth factor), bach1 (transcription factor BTB and CNC homology 1), Psd95 (post-synaptic density protein-95), Creb (cyclic-AMP response element binding protein)

Definitions used to describe data set names and variables in the datasets.