Data dictionary of terms to identify data sets and variable in data sets

Term	Where is it used	Definition
Male or female	In the name of data files	Designates whether the data were from males or females
Ovary, uterus, prostate, testes	In the name of data files	Designates the tissues the data were collected from
Condition and cycle day	In the name of data files	Designates that data are entered by exposure condition and by day of the cycle
Era, Erb, LHr, FSH, estradiol, testosterone, prolactin, spermatid tubules, Leydig, sertoli, and follicle cell, number, body weights, number of reproductive cycles, PCR, ROS	In the name of data files	Designates what was measured
Pre or post	Column headings	Designates if measures were collected pre- or post-exposure.
Control or whole body vibration	Column headings	Designates whether measures were taken from control or WBV exposed animals.
1 d, 5d, 10d, 11d	Column headings	Designates the day of the study measures were collected
animal	Column heading	Designates the animal number
sex	Column heading	Designates sex of the animal female (f) or male (m)
condition	Column heading	Designates if the animals were in the control (c) or vibrated (v) group
tissue	Column heading	Designates the tissue the data were collected from
block	column heading	If samples were run in separate batches, the block number designates the batch a sample was run in.
# cycles	In the column headings of the datafiles	Number of females displaying regular estrous cycles
Wt gm	In the column headings of the datafiles	Body weight (gm)

Era/actin intensity Ar/actin intensity LHr/actin intensity	In the column headings of the datafiles	Intensity of estrogen receptor alpha (Era), Androgen receptor (Ar) or lutenizing hormone receptor (LHr) or band/intensity of β-actin band on a Western blot
Average Era area μm^2 Average Erb area μm^2 Average LHr area μm^2	In the column headings of the datafiles	Average area immunostained for either Era, Erb, LHr
Average spermatids/100 μm^2 Average Leydig cells/100 μm^2 Average Sertoli cells/100 μm^2	In the column headings of the datafiles	Average cell number (spermatids, Leydig cells or Sertoli cells) in a 100 μm^2 region of a grid
Average seminiferous tubules/section	In the column headings of the datafiles	Average number of seminiferous tubules/section
Fluorescent units ROS, nitrotyrosine	In the column headings of the datafiles	Designate measures of oxidative stress in the pituitary, ovaries, uterus, testes and prostate
Fold: Ar, IL1B,IL6, iNOS , eNOS, HIF1, FSHr, Per1, AChE, LHr, Era, Bach, Pr, tnf	In the column headings of the datafiles	Names of transcripts that were measured in the pituitary, ovaries, uterus, testes and prostate
*	In datafiles	Designates at or below the level of detectability of the assay
Missing data	In datafiles	Missing data occurred because, there was not enough sample to run an assay, the sample was missing, or because the data were determined to be outliers using statistical tests

Definitions used to describe data set names and variables in the data sets