

Supplementary Table 1: Sample sizes of RNA-seq datasets.

Species	Region	Time	Intruder Status	RNA-seq Samples
Honey Bee	Mushroom Bodies	30m	Challenged	26
Honey Bee	Mushroom Bodies	30m	Control	26
Honey Bee	Mushroom Bodies	60m	Challenged	23
Honey Bee	Mushroom Bodies	60m	Control	24
Honey Bee	Mushroom Bodies	120m	Challenged	27
Honey Bee	Mushroom Bodies	120m	Control	26
Mouse	Amygdala	30m	Challenged	5
Mouse	Amygdala	30m	Control	5
Mouse	Amygdala	60m	Challenged	5
Mouse	Amygdala	60m	Control	5
Mouse	Amygdala	120m	Challenged	5
Mouse	Amygdala	120m	Control	5
Mouse	Frontal Cortex	30m	Challenged	5
Mouse	Frontal Cortex	30m	Control	5
Mouse	Frontal Cortex	60m	Challenged	5
Mouse	Frontal Cortex	60m	Control	5
Mouse	Frontal Cortex	120m	Challenged	6
Mouse	Frontal Cortex	120m	Control	6
Mouse	Hypothalamus	30m	Challenged	5
Mouse	Hypothalamus	30m	Control	3
Mouse	Hypothalamus	60m	Challenged	5
Mouse	Hypothalamus	60m	Control	5
Mouse	Hypothalamus	120m	Challenged	5
Mouse	Hypothalamus	120m	Control	5
Three-Spined Stickleback	Diencephalon	30m	Challenged	5
Three-Spined Stickleback	Diencephalon	30m	Control	5
Three-Spined Stickleback	Diencephalon	60m	Challenged	5
Three-Spined Stickleback	Diencephalon	60m	Control	5
Three-Spined Stickleback	Diencephalon	120m	Challenged	5
Three-Spined Stickleback	Diencephalon	120m	Control	5
Three-Spined Stickleback	Telencephalon	30m	Challenged	5
Three-Spined Stickleback	Telencephalon	30m	Control	5
Three-Spined Stickleback	Telencephalon	60m	Challenged	5
Three-Spined Stickleback	Telencephalon	60m	Control	5
Three-Spined Stickleback	Telencephalon	120m	Challenged	5
Three-Spined Stickleback	Telencephalon	120m	Control	5