Descriptions of Data for "RanavirusTransmissionDataset.csv"

Dataset used in:

Le Sage, M.J., B. D. Towey, J. L. Brunner. 2019. Do scavengers prevent or promote disease transmission? The effect of invertebrate scavenging on *Ranavirus* transmission. Functional Ecology, in review.

The dataset tracks each naïve salamander larva in the transmission experiment described in the article above, during the exposure to infected carcasses.

Column Title	Explanation
Treatment	the treatment for the sample (AS, ANS, NAS, NANS) AS=Access-Scavenger, ANS=Access-No Scavenger, NAS=No Access-Scavenger, NANS=No Access-No Scavenger
Replicate	The replicate number for the sample (1-10 for each treatment)
ID	The unique ID number given to each salamander larva in a replicate (1-9 for each replicate)
LarvaUniqueID	The full Unique Identifier for each salamander larva "Treatment - Replicate# - ID#"
BeginDate	The date on which the replicate was begun (for scavenger treatments [S], this is the day that scavenging began; for non scavenger treatments [NS], this is the day that the carcass was introduced into the water)
Scav	The family of the scavenger used in this experiment (all were Dytiscidae - larva)
ScavSize(mm)	The size of the scavenger used for this replicate in milimeters
ScavOrigin	The pond from which the scavenger used in this replicate was collected
CarcassSVL(mm)	The Snout-Vent length of the carcass used in this replicate in milimeters
CarcassWeight(g)	The weight of the carcass used in this replicate in grams
CarcassID	The Unique ID number of the carcass used in this replicate
CarcassFV3ExposureTitre(pfu/mL)	The pfu/mL of FV3 that was used in the exposure of the carcass (all were done by injection)
ScavDuration(hr)	The duration of scavenging for this replicate (in hours)
ExposeDate	The date on which the nine uninfected salamander larvae were introduced to the tank for this replicate
EndExposeDate	The date on which the nine uninfected salamander larvae were removed from the tank for this replicate, and then housed separately

ExposeDuration(hr)	The duration of uninfected larva exposure to the conditions in this replicate (in hours)
EuthDate	The date on which this larva was euthanized or was found dead in its separate container
PostExposeDuration(days)	The duration (in days) that the larva survived post exposure (maximum 15)
DissectionDate	The date on which the larva was dissected and the tissue was removed for analysis
TissueTubeID	The unique ID on the tissue storage tube for this larva "TreatmentID (A,B,C,D) - Rep# - ID#"
SVL(mm)	Snout vent length of the larva in mm
weight(g)	weight of the larva in grams
Survival(days)	How many days post-exposure to carcass the larva survived (anything < 15d means it died prematurely)
UninfectedLarvaComments	comments about the uninfected larva
LarvaSymptoms	outward symptoms noticed on the larva before mortality
ExtractionDate	the date that the larval tissue was extracted
ExtractionType	the type of extraction that was performed on the larval tissue
Tissue Type	the type of tissue that was extracted
DNAName	The unique ID given to the DNA sample extracted from this larva's tissue
ExtractionNeg	The unique ID of the extraction negative used for this larva
PCRDate	The date that qPCR was run on this DNA sample
PCRName	The name of the qPCR run that contains this sample
ExtractionNeg Value	The value 0 / 1 (neg / pos) of the extraction negative's qPCR run
PCRNeg Value	The value 0 / 1 (neg / pos) of the PCR plate negative's qPCR run
PCRVal1	The value of the first well replicate of the qPCR run for this sample
PCRVal2	The value of the second well replicate of the qPCR run for this sample
PCRVal3	The value of the third well replicate of the qPCR run for this sample
PCRMeanVal	The mean value of all 3 qPCR runs for this sample
PCRCall	The call (0 = neg, 1 = pos, or "Rerun" = inconclusive) for this sample
PCRRerunDate	The date that qPCR was run on this DNA sample (if a Rerun is needed)
PCRRerunName	The name of the qPCR run that contains this sample (if a Rerun is needed)
PCRRerunComments	Comments about the qPCR run (if a Rerun is needed)
PCRRerunNegValue	The value 0 / 1 (neg / pos) of the PCR plate negative's qPCR run (if a Rerun is needed)
PCRRerunVal1	The value of the first well replicate of the qPCR run for this sample (if a Rerun is needed)

PCRRerunVal2	The value of the second well replicate of the qPCR run for this sample (if a Rerun is needed)
PCRRerunVal3	The value of the third well replicate of the qPCR run for this sample (if a Rerun is needed)
PCRRerunMeanVal	The mean value of all 3 qPCR runs for this sample (if a Rerun is needed)
PCRRerunCall	The call (0 = neg, 1 = pos, or "Rerun" = inconclusive) for this sample (if a Rerun is needed)
PCRFinalMeanVal	The mean value of qPCR runs for this sample
PCRFinalCall	The overall call (0 = neg, 1 = pos, or "Rerun" = inconclusive) for this sample