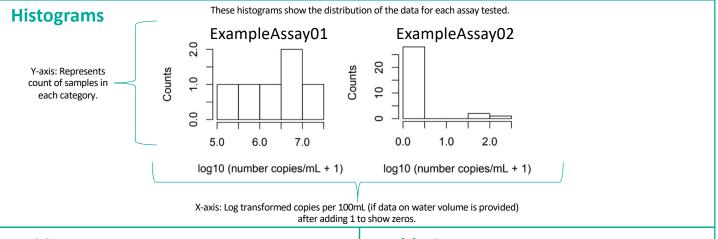
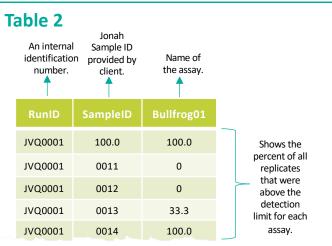


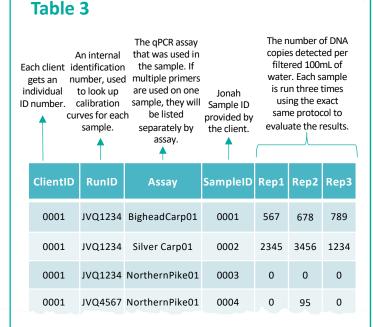
Jonah Ventures qPCR Report Files Explained

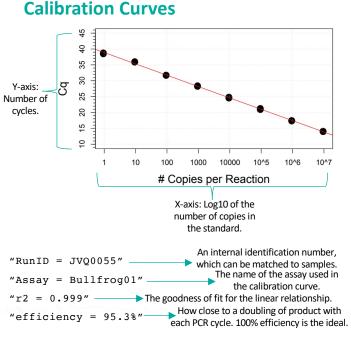


replicates.

Table 1 Jonah An internal Sample ID identification provided by Name of client. number. the assay. RunID SampleID Bullfrog01 The number of JVQ0001 0010 27648 copies per filtered 100mL JVQ0001 0011 0 of water (if data provided) JVQ0001 0012 for each assay averaged JVQ0001 0013 126 across internal JVQ0001 0014 5279





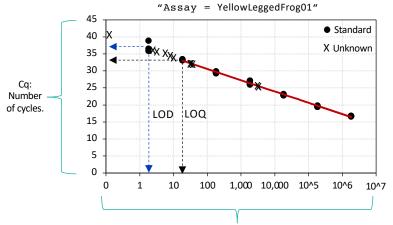




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Limit of detection and Limit of Quantification

Samples with Cq values that exceed 35 are difficult to interpret because they exhibit higher variability and prone to false positives due to low copy number. These samples should be interpreted with caution



X-axis: Log10 of the number of copies in the standard.

Limit of Detection (LOD): lowest concentration at which 95% replicates are positive but are highly variable and therefore cannot be accurately quantified. The MIQE guideline is 3 c/rxn (Cq~36)

Limit of Quantification (LOQ): lowest concentration at which replicates are quantified with precision and accuracy. The MIQE guidelines recommend replicate Cq's be within 0.5 Cq of each other with a standard deviation of < 0.3 among replicates.

Cq value. Each sample is run three times using the exact same protocol to evaluate the results.

SampleID	Rep1	Rep2	Rep3	
0001	41.11	No Cq	No Cq	
0002	36.26	No Cq	36.98	\
0003	35.67	34.86	34.94	\
0004	32.81	32.72	32.78	\

SampleID 0001: One out of three replicates positive with a high Cq. Does not meet criteria for a true positive, without re-testing consider negative

SampleID 0002: Two out of three replicates positive with Cqs between the LOD and LOQ. Likely a true positive but at concentrations that can not be reliably quantified.

SampleID 0003: All three replicates positive with Cqs higher than the LOQ. Positive but at concentrations that can not be reliably quantified.

SampleID 0004: All three replicates positive Cqs lower than the LOQ with an SD<0.3. Positive and quantifiable

