Table S2: Goodness of fit results for individual sites for each distribution. Results are reported as X2, P.

Distribution GOR MLH PC WT

Poisson 13.2, **P<0.0014** 30.7, **P<0.0001** 51.98, **P<0.0001** 16.6, **P=0.0003**

NB 0.726, P = 0.696 3.48, P = 0.175811.91, **P = 0.003** 7.095, **P = 0.029**

ZI Poisson 0.085, P = 0.958 0.83, P = 0.659 5.96, P = 0.051 2.67, P = 0.260

ZINB 0.085, P = 0.958 0.83, P = 0.659 5.96, P = 0.051 2.69, P = 0.260