

Model		df	AIC	BIC	Vuong z-stat (<i>P</i> : negative binomial favoured over zero-inflated)
Aseptate Hyphae					
GLM binomial	<i>Aseptate_hyp</i>	6	722.6285	733.3570	<i>z</i> = 1.910, <i>P</i> = 0.028048
GLM poisson	<i>Aseptate_hyp.p</i>	6	742.9651	753.6936	
GLM negative binomial	<i>Aseptate_hyp.nb</i>	7	340.8709	354.2816	
GLM zero-inflated neg binomial	<i>Aseptate_hyp.zinbn</i>	8	342.8709	NA	
GLMM binomial	<i>Aseptate_hyp.mixbn</i>	8	587.0708	603.1635	
GLMM poisson	<i>Aseptate_hyp.mixpois</i>	8	604.5271	620.6199	
GLMM negative binomial	<i>Aseptate_hyp.mixnegbn</i>	9	339.0815	357.8565	
Hyaline Hyphae					
GLM binomial	<i>Hyaline_hyp</i>	6	1481.7494	1492.4779	<i>z</i> = 2.797, <i>P</i> = 0.0025763
GLM poisson	<i>Hyaline_hyp.p</i>	6	1559.3067	1570.0352	
GLM negative binomial	<i>Hyaline_hyp.nb</i>	7	621.5095	634.9202	
GLM zero-inflated neg binomial	<i>Hyaline_hyp.zinbn</i>	8	623.5095	NA	
GLMM binomial	<i>Hyaline_hyp.mixbn</i>	8	1231.7489	1247.8416	
GLMM poisson	<i>Hyaline_hyp.mixpois</i>	8	1292.2353	1308.3281	
GLMM negative binomial	<i>Hyaline_hyp.mixnegbn</i>	9	621.4969	640.2718	
Dematiaceous Hyphae					
GLM binomial	<i>Dematiaceous_hyp</i>	6	2962.8254	2973.5539	<i>z</i> = 3.163, <i>P</i> = 0.0007804
GLM poisson	<i>Dematiaceous_hyp.p</i>	6	3443.7569	3454.4854	
GLM negative binomial	<i>Dematiaceous_hyp.nb</i>	7	792.1705	805.5812	
GLM Zero-inflated neg binomial	<i>Dematiaceous_hyp.zinbn</i>	8	794.1705	NA	
GLMM binomial	<i>Dematiaceous_hyp.mixbn</i>	8	2336.9054	2352.9982	
GLMM poisson	<i>Dematiaceous_hyp.mixpois</i>	8	2727.1929	2743.2857	
GLMM negative binomial	<i>Dematiaceous_hyp.mixnegbn</i>	9	786.7182	805.4931	
Vesicles					
GLM binomial	<i>Vesicles_dist</i>	4	498.9037	509.6322	<i>z</i> = -0.195, <i>P</i> = 0.42266701
GLM poisson	<i>Vesicles_dist.p</i>	4	510.0956	520.8241	
GLM negative binomial	<i>Vesicles_dist.nb</i>	5	188.3554	201.7660	
GLM zero-inflated neg binomial	<i>Vesicles_dist.zinbn</i>	6	190.2396	NA	
GLMM binomial	<i>Vesicles_dist.mixbn</i>	6	458.1098	474.2025	
GLMM poisson	<i>Vesicles_dist.mixpois</i>	6	468.6953	484.7881	
GLMM negative binomial	<i>Vesicles_dist.mixnegbn</i>	7	192.3554	211.1303	
Spores					
GLM binomial	<i>Spores_dist</i>	4	1672.2366	1682.9652	<i>z</i> = 7.373, <i>P</i> = 0.23046
GLM poisson	<i>Spores_dist.p</i>	4	1782.6289	1793.3574	
GLM negative binomial	<i>Spores_dist.nb</i>	5	766.2424	779.6531	
GLM zero-inflated neg binomial	<i>Spores_dist.zinbn</i>	6	768.2424	NA	
GLMM binomial	<i>Spores_dist.mixbn</i>	6	1591.2613	1607.3541	
GLMM poisson	<i>Spores_dist.mixpois</i>	6	1694.2588	1710.3516	
GLMM negative binomial	<i>Spores_dist.mixnegbn</i>	7	770.1241	788.8990	
Chytrids					
GLM binomial	<i>Chytrids_dist</i>	4	613.6413	624.3699	<i>z</i> = 7.891, <i>P</i> = 0.21504
GLM poisson	<i>Chytrids_dist.p</i>	4	621.5244	632.2529	
GLM negative binomial	<i>Chytrids_dist.nb</i>	5	402.8511	416.2618	
GLM zero-inflated neg binomial	<i>Chytrids_dist.zinbn</i>	6	404.8511	NA	
GLMM binomial	<i>Chytrids_dist.mixbn</i>	6	581.3324	597.4252	
GLMM poisson	<i>Chytrids_dist.mixpois</i>	6	588.6327	604.7255	
GLMM negative binomial	<i>Chytrids_dist.mixnegbn</i>	7	406.8426	425.6175	