

Weibull distribution	Alpha (hybridization effect) (̶)	P-value (alpha vs no alpha) (̶)	Alpha (hybridization effect) (̶)	P-value (alpha vs no alpha) (̶)	L1 (load Mmd) (̶)	L1 (load Mmd) (̶)	L2 (load Mmm) (̶)	L2 (load Mmm) (̶)	S (shape) (̶)	G-test vs H0				G-test vs H1				G-test vs H2											
										dLL		p-value		dLL		p-value		dLL		p-value									
										dLL	ddf	p-value		dLL	ddf	p-value		dLL	ddf	p-value									
Eimeria intensity																													
H0	0.74	0.02			-0.70				2.33																				
H1	0.85	0.01			-1.01		0.10		2.38									0.65	1	0.26									
H2	0.79	0.03			-0.35		-1.10		2.39									0.30	3	0.89									
H3	0.92	0.01			-0.88		-1.18		2.48									0.49	4	0.91									
									2.28									0.83	2	0.43									
Negative binomial distribution	Alpha (hybridization effect) (̶)	P-value (alpha vs no alpha) (̶)	Alpha (hybridization effect) (̶)	P-value (alpha vs no alpha) (̶)	L1 (load Mmd) (̶)	L1 (load Mmd) (̶)	L2 (load Mmm) (̶)	L2 (load Mmm) (̶)	A1 (aggregation Mmd) (̶)	A1 (aggregation Mmd) (̶)	A2 (aggregation Mmm) (̶)	A2 (aggregation Mmm) (̶)	Z (̶)	Z (̶)	Z (̶)	Z (̶)	Deviation of aggregation from additive model)	G-test vs H0				G-test vs H1				G-test vs H2			
																		dLL		p-value		dLL		p-value		dLL		p-value	
																		dLL	ddf	p-value		dLL	ddf	p-value		dLL	ddf	p-value	
Pinworm intensity																													
H0	0.91	0.01			44.46				1.78																				
H1	1.11	<0.001			32.12		61.95		1.75										5.56	2	<0.01								
H2	0.64	0.22			49.76		39.60		1.72										7.72	4	<0.01								
H3	0.91	0.04			35.57		30.38		1.45										9.01	6	<0.01						<0.01		
									1.46										6.85	4	<0.01								