

Weibull distribution	Alpha	P-value	Alpha	P-value	L1	L1	L2	L2	S	S	G-test vs H0			G-test vs H1			G-test vs H2						
	(hybridization effect)	(alpha vs no alpha)	(hybridization effect)	(alpha vs no alpha)	(load Mmd)	(load Mmd)	(load Mmm)	(load Mmm)	(shape)	(shape)													
	(♀)	(♀)	σ	σ	(♀)	σ	(♀)	σ	(♀)	σ													
Eimeria intensity											dLL	dDF	p-value	dLL	dDF	p-value	dLL	dDF	p-value				
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	0.67	0.38	-0.35	-1.10			2.39	2.27	0.30	3	0.89										
H3	0.92	0.01	0.73	0.36	-0.88	-1.18	0.86	-0.79	2.48	2.28				0.49	4	0.91	0.83	2	0.43				
Negative binomial distribution	Alpha	P-value	Alpha	P-value	L1	L1	L2	L2	A1	A1	A2	A2	Z (♀)	Z σ	G-test vs H0			G-test vs H1			G-test vs H2		
	(hybridization effect)	(alpha vs no alpha)	(hybridization effect)	(alpha vs no alpha)	(load Mmd)	(load Mmd)	(load Mmm)	(load Mmm)	(aggregation Mmd)	(aggregation Mmd)	(aggregation Mmm)	(aggregation Mmm)	(Deviation of aggregation from additive model)	(Deviation of aggregation from additive model)									
	(♀)	(♀)	σ	σ	(♀)	σ	(♀)	σ	(♀)	σ	(♀)	σ											
Pinworm intensity											dLL	dDF	p-value	dLL	dDF	p-value	dLL	dDF	p-value				
H0	0.91	0.01			44.46				1.78				-0.90										
H1	1.11	< 0.001			32.12		61.95		1.75		1.68		-0.77	5.56	2	<0.01							
H2	0.64	0.22	1.39	< 0.01	49.76	39.60			1.72	1.88			-0.73	7.72	4	<0.01							
H3	0.91	0.04	1.46	< 0.001	35.57	30.38	68.67	51.84	1.45	2.10	2.00	1.33	-1.04	-1.23		9.01	6	<0.01	6.85	4	<0.01		