Leg Length vs Nest Size Up Step model addition

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Model Addition

logLeg ~ logCtFm + InstarNumber + (1 | NestID)vslogLeg ~ logCtFm + InstarNumber + (1 | NestID) + InstarNumber:InstarSex

	Df	AIC	BIC	logLik	deviance	Chisq	Chi Df	Pr(>Chisq)	stars
object	5.00	-5182.01	-5156.28	2596.01	-5192.01				
..1	6.00	-5207.70	-5176.82	2609.85	-5219.70	27.69	1.00	0.00	***

logLeg ~ logCtFm + InstarNumber + (1 | NestID) + InstarNumber:InstarSexvslogLeg ~ logCtFm + InstarNumber + (1 | NestID) + I(logCtFmˆ2) + InstarNumber:InstarSex

	Df	AIC	BIC	logLik	deviance	Chisq	Chi Df	Pr(>Chisq)	stars
object	6.00	-5207.70	-5176.82	2609.85	-5219.70				
..1	7.00	-5205.86	-5169.83	2609.93	-5219.86	0.16	1.00	0.69	

logLeg ~ logCtFm + InstarNumber + (1 | NestID) + I(logCtFmˆ2) + InstarNumber:InstarSexvslogLeg ~ logCtFm + InstarNumber + (1 | NestID) + I(logCtFmˆ2) + InstarNumber:InstarSex + logCtFm:InstarNumber

	Df	AIC	BIC	logLik	deviance	Chisq	Chi Df	Pr(>Chisq)	stars
object	7.00	-5205.86	-5169.83	2609.93	-5219.86				
..1	8.00	-5226.56	-5185.39	2621.28	-5242.56	22.71	1.00	0.00	***

logLeg ~ logCtFm + InstarNumber + (1 | NestID) + I(logCtFmˆ2) + InstarNumber:InstarSex + logCtFm:InstarNumbervslogLeg ~ logCtFm + InstarNumber + (1 | NestID) + I(logCtFmˆ2) + InstarNumber:InstarSex + logCtFm:InstarNumber + logCtFm:InstarNumber:InstarSex

	Df	AIC	BIC	logLik	deviance	Chisq	Chi Df	Pr(>Chisq)	stars
object	8.00	-5226.56	-5185.39	2621.28	-5242.56				
..1	9.00	-5228.00	-5181.68	2623.00	-5246.00	3.44	1.00	0.06	.