

## Supplementary Material

**Table S1.** Outputs from behavioural generalised linear mixed-effect models of 1) aggression, 2) boldness, and 3) activity. Estimates, standard error (SE), degrees of freedom (DF), t-value and p-value are given for each model parameter.

Modelled response variable	Parameter	Estimate	SE	DF	t-value	p-value	
1) Aggression Log mean attack number	(Intercept)	0.16	0.08	42.00	1.92	0.06	
	TreatmentME	0.11	0.12	12.00	0.96	0.36	
	TreatmentVE	0.08	0.12	12.00	0.73	0.48	
	Week	-0.02	0.01	42.00	-1.19	0.24	
	TreatmentME:Week	0.01	0.02	42.00	0.33	0.74	
	TreatmentVE:Week	0.05	0.02	42.00	2.50	0.02	
	Mean number of times entered	(Intercept)	6.15	1.12	212.00	5.51	0.00
		SectionB	6.13	1.58	212.00	3.88	0.00
		SectionC	5.39	1.58	212.00	3.41	0.00
		SectionD	-0.11	1.58	212.00	-0.07	0.94
		Week	-0.03	0.20	212.00	-0.16	0.88
		TreatmentME	1.35	1.58	212.00	0.85	0.39
		TreatmentVE	-1.07	1.58	212.00	-0.68	0.50
		SectionB:Week	0.15	0.28	212.00	0.53	0.60
		SectionC:Week	0.06	0.28	212.00	0.21	0.84
		SectionD:Week	-0.08	0.28	212.00	-0.29	0.77
		SectionB:TreatmentME	-3.11	2.23	212.00	-1.39	0.17
		SectionC:TreatmentME	-1.49	2.23	212.00	-0.67	0.50
		SectionD:TreatmentME	-0.79	2.23	212.00	-0.35	0.72
		SectionB:TreatmentVE	1.78	2.23	212.00	0.80	0.43
		SectionC:TreatmentVE	1.18	2.23	212.00	0.53	0.60
		SectionD:TreatmentVE	1.33	2.23	212.00	0.60	0.55
		Week:TreatmentME	-0.18	0.28	212.00	-0.65	0.52
		Week:TreatmentVE	0.67	0.28	212.00	2.39	0.02
		SectionB:Week:TreatmentME	0.40	0.40	212.00	1.00	0.32
		SectionC:Week:TreatmentME	0.19	0.40	212.00	0.47	0.64
	SectionD:Week:TreatmentME	0.15	0.40	212.00	0.37	0.71	
SectionB:Week:TreatmentVE	-1.15	0.40	212.00	-2.91	0.00		
SectionC:Week:TreatmentVE	-1.03	0.40	212.00	-2.59	0.01		
SectionD:Week:TreatmentVE	-0.50	0.40	212.00	-1.27	0.20		
2) Boldness Lines crossed	(Intercept)	234.56	17.50	44.00	13.40	0.00	
	TreatmentME	0.23	18.46	12.00	0.01	0.99	
	TreatmentVE	8.97	18.46	12.00	0.49	0.64	
	Week	1.89	2.46	44.00	0.77	0.44	
	Freeze time	(Intercept)	234.56	17.50	44.00	13.40	0.00
		TreatmentME	0.23	18.46	12.00	0.01	0.99
TreatmentVE		8.97	18.46	12.00	0.49	0.64	
Week	1.89	2.46	44.00	0.77	0.44		
3) Activity Lines crossed	(Intercept)	88.83	5.35	44.00	16.60	0.00	
	TreatmentME	1.02	6.04	12.00	0.17	0.87	
	TreatmentVE	0.30	6.04	12.00	0.05	0.96	
	Week	-0.21	0.68	44.00	-0.31	0.76	

**Table S2.** Model outputs of 1) egg number (mean), and 2) proportion of eggs fertilised. Estimates, standard error (SE), z value and p-value are given for each model parameter. The egg number model is negative binomial. The proportion of eggs fertilised was log transformed prior to modelling using a generalized linear model.

<b>Modelled response variable</b>	<b>Parameter</b>	<b>Estimate</b>	<b>SE</b>	<b>z value</b>	<b>p-value</b>
1) Mean number of eggs	(Intercept)	3.2321	0.1147	28.177	<0.001
	TreatmentME	0.5367	0.2738	1.960	0.050
	TreatmentVE	-0.2727	0.2717	-1.004	0.316
	Week3	0.8345	0.3040	2.745	0.006
	Week6	1.1056	0.3089	3.579	<0.001
	Week9	0.3698	0.3156	1.172	0.241
2) Proportion of fertilised eggs	(Intercept)	0.09129	0.02061	4.43	<0.001
	Week9	0.02852	0.02853	1	0.323
	Week6	0.04914	0.028	1.755	0.086
	Week3	0.09532	0.02754	3.462	0.001