

- 1 Table A. Time spent by EBT lizards in each chamber. HF = High Frequency, LF = Low Frequency, HA = High Amplitude, LA = Low
 2 Amplitude C = Control Treatment. SED = Standard Error of the Difference (all treatments)

TIME PER CHAMBER	MEANS					SED	P VALUE				
	HF HA	HF LA	LF HA	LF LA	C		All treatments	Noise vs CT	HF vs LF	HA vs LA	HFHA vs all other treatments
Test chamber ($\sqrt{s/900s}$)	17.04	15.2	14.3	11.05	13.8	3.17	0.60	0.67	<0.01	0.05	0.02
Test chamber (s/ 900s)	290.4	231.3	205.1	122.1	189.9	-	-	-	-	-	-
Escape chamber ($\sqrt{s/900s}$)	16.3	18.5	16.4	18.8	17.4	3.17	0.93	0.93	0.88	0.08	0.32
Escape chamber (s/900s)	266.01	341.5	268	353.1	301.4	-	-	-	-	-	-
Hiding chamber ($\sqrt{s/900s}$)	12.9	14.5	15.1	13.3	13.9	4.11	0.32	0.96	0.77	0.93	0.51
Hiding Chamber (s/900s)	167.2	209.4	228.3	176.6	192.1	-	-	-	-	-	-

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Table B. Proportion (%) of time in in each chamber spent in the different behaviours \pm Standard Error of the Mean. SED = Standard Error of the Difference between Two Treatments. Means that do not share a letter are statistically different.*Behaviours compared using Kruskal-Wallis test.

BEHAVIOUR (% TOTAL TIME/ TOTAL TIME PER CHAMBER)	TEST CHAMBER	ESCAPE CHAMBER	HIDING CHAMBER	SED	F VALUE	P VALUE
Head up left (median % total time per chamber)*	0	0	1.77	-	-	<0.001
Head up left (mean % total time per chamber)	2.95 \pm 0.54	2.94 \pm 0.46	9.91 \pm 1.33	-	-	-
Head up front (median % total time per chamber)*	3.02	8.902	1.35	-	-	0.14
Head up front (mean % total time per chamber)	12.2 \pm 1.53	14.7 \pm 1.58	12.6 \pm 1.64	-	-	-
Head up right (median % total time per chamber)*	0	0	0	-	-	<0.01
Head up right (mean % total time per chamber)	5.17 \pm 0.89	1.86 \pm 0.36	8.36 \pm 1.22	-	-	-
Head down left (median % total time per chamber)*	0.73	4.93	0.33	-	-	<0.01
Head down left (mean % total time per chamber)	93.9 \pm 73.2	11.6 \pm 1.48	6.7 \pm 1.24	-	-	-
Head down front ($\sqrt{\%$ total time per chamber)	5.84 ^a	6.37 ^a	4.30 ^b	1.447	16.59	<0.001
Head down front (% total time per chamber)	34.1	40.6	18.5	-	-	-
Head down right (median % total time per chamber)*	0	3.83	0	-	-	<0.001
Head down right (mean % total time per chamber)	6.03 \pm 1.40	11.75 \pm 1.67	5.78 \pm 1.17	-	-	-
Walking (median % total time per chamber)*	1.16	2.51	1.19	-	-	<0.001
Walking (mean % total time per chamber)	3.42 \pm 0.85	2.62 \pm 0.17	1.82 \pm 0.17	-	-	-
Standing (log ₁₀ % total time per chamber)	0.29 ^b	0.42 ^a	0.31 ^b	0.095	13.92	<0.001
Standing (% total time per chamber)	1.95	2.63	2.04	-	-	-

Freezing (median % total time per chamber)*	0.41	0.59	0	-	-	<0.001
Freezing (mean % total time per chamber)	1.03 ± 0.45	0.75 ± 0.06	0.31 ± 0.03	-	-	-
Climbing (median % total time per chamber)*	0	0	0	-	-	0.388
Climbing (mean % total time per chamber)	0.11 ± 0.23	0.074 ± 0.018	0.076 ± 0.018	-	-	-
Flicking ($\sqrt{\text{times}/900 \text{ s}}$)	3.49 ^b	7.06 ^a	3.84 ^b	1.123	86.36	<0.001
Flicking (times/900 s)	12.18	49.84	14.74	-	-	-

Table C. Behaviour of lizards exposed to mining machinery noise in the hiding chamber. HF = High Frequency, LF = Low Frequency, HA = High Amplitude, LA = Low Amplitude C = Control Treatment. SED = Standard Error of the Difference. † Up and down

BEHAVIOUR	MEANS					SED	P VALUE				
	HF HA	HF LA	LF HA	LF LA	C		All treatments	Noise vs C	HF vs LF	HA vs LA	HF HA vs all other treatments
Duration all head left/all head right $(\log_{10} \left(\frac{\text{all head left } (\frac{s}{900s})}{\text{all head right } (\frac{s}{900s})} \right))$	0.203	0.31	0.18	0.27	-0.13	0.370	0.96	0.04	0.84	0.54	0.67
Duration all head left/all head right $\left(\frac{\text{all head left } (\frac{s}{900s})}{\text{all head right } (\frac{s}{900s})} \right)$	1.59	2.04	1.51	1.86	0.74	-	-	-	-	-	-
Duration head down right ($\log_{10} s/900s$)	0.29	0.65	0.82	0.56	0.57	0.966	0.02	0.94	0.09	0.68	0.01
Duration head down right (s/900s)	0.95	3.47	5.61	2.63	2.71	-	-	-	-	-	-
Duration standing ($\sqrt{s}/900s$)	6.4	9.3	8.9	7.4	9.4	2.10	0.01	0.16	0.70	0.47	0.02
Duration standing (s/900s)	40.9	86.1	80.5	54.5	89.1	-	-	-	-	-	-

Rate head up front ($\sqrt{\text{bouts}/900\text{s}}$)	0.62	0.58	0.64	0.84	1.03	0.274	0.32	0.007	0.24	0.51	0.27
Rate head up front (bouts/900s)	0.38	0.34	0.41	0.71	1.06	-	-	-	-	-	-
Rate head down right ($\sqrt{\text{bouts}/900\text{s}}$)	0.39	0.73	0.68	0.57	0.58	0.264	0.04	0.90	0.54	0.29	0.04
Rate head down right (bouts/900s)	0.15	0.53	0.46	0.32	0.34	-	-	-	-	-	-
Rate combined [†] head left ($\sqrt{\text{bouts}/900\text{s}}$)	1.04	1.36	1.32	1.07	1.17	0.328	0.04	0.86	0.98	0.81	0.20
Rate combined [†] head left (bouts/900s)	1.08	1.85	1.74	1.14	1.37	-	-	-	-	-	-
Rate freezing ($\sqrt{\text{bouts}/900\text{s}}$)	0.49	0.79	0.94	0.69	0.71	0.318	0.046*	0.91	0.20	0.87	0.05
Rate freezing (bouts/900s)	0.24	0.62	0.88	0.48	0.50	-	-	-	-	-	-
