

Table S1
Ethogram

Activity	Operational Definition
Phee Calling	High pitched vocalizations lasting 1-3 seconds. Often composed of bouts of 2-5 distinct vocalizations or “syllables”. Each bout was scored as one call; a new bout was scored if the behavior had not been performed in the previous 5-second interval.
Alarm Calling	Short, sharp, guttural chuck vocalizations, often grouped into bouts. Each bout was scored as one call; a new bout was scored if the behavior had not been performed in the previous 5-second interval.
Cage Manipulation	Pulling or biting at the cage wire, bungee cords, or cage fasteners.
Locomotion	Whole body movement from one of the six planes (four walls, floor, or ceiling) of the transport cage.

Table S2
Correlations among behavioral and cortisol measures

		Reactivity	24-h Post	AUCi
6 Months (N=47)	Phee Calling	-.11	.22	.11
	Alarm Calling	.32*	.08	.26
	Cage Manipulation	.00	-.18	.02
	Locomotion	-.08	.18	.09
12 Months (N=41)	Phee Calling	.08	.07	.14
	Alarm Calling	.11	.18	.21
	Cage Manipulation	-.08	.15	.06
	Locomotion	.23	.28	.24
18 Months (N=30)	Phee Calling	-.02	-.13	-.09
	Alarm Calling	-.07	-.01	-.03
	Cage Manipulation	-.14	.40*	.23
	Locomotion	-.19	.49**	.25

Note. For AUC_i, N=44, 40, and 29, for each age, respectively.

* Indicates $P < .05$

** Indicates $P < .01$

Table S3

ANCOVA model for AUC_i including sex, behaviors, and interactions at 6 months

	<i>b</i>	<i>SE</i>	<i>t</i>	<i>F</i>	<i>R</i> ²
Model				2.88*	.43
Intercept	809.86	78.05	10.38		
Sex	-46.11	143.40	-.32		
Locomotion	-3.13	1.29	-2.43		
Alarm Call	17.55	5.05	3.48		
Phee Call	-2.90	3.29	-.88		
Cage Manip.	5.75	5.99	.96		
Sex x Locomotion	6.67	2.15	3.10**		
Sex x Alarm Call	-21.67	7.93	-2.73**		
Sex x Phee Call	3.18	3.60	.88		
Sex x Cage Manip.	5.09	15.90	.32		

Note. $N = 44$.

* $P < .05$

** $P < .01$

Table S4

ANCOVA model for post-stressor cortisol including sex, behaviors, and interactions at 6 months

	<i>b</i>	<i>SE</i>	<i>t</i>	<i>F</i>	<i>R</i> ²
Model				2.91*	.44
Intercept	18.98	3.15	6.04		
Sex	-4.84	5.78	-.84		
Locomotion	-.12	.05	-2.27		
Alarm Call	.51	.20	2.51		
Phee Call	-.07	.13	-.54		
Cage Manip.	.30	.24	1.26		
Sex x Locomotion	.30	.09	3.51***		
Sex x Alarm Call	-.94	.32	-2.94**		
Sex x Phee Call	.11	.15	.77		
Sex x Cage Manip.	-.33	.64	-.52		

Note. *N* = 47.

**P* < .05

***P* < .01

****P* < .001

Table S5
Regression model for AUCi by sex at 6 months

		<i>b</i>	<i>SE</i>	β	<i>t</i>	<i>F</i>	R^2
Females <i>N</i> = 18	Model					3.75*	.54
	Intercept	352.83	128.95		2.74		
	Cage Manipulations	10.84	11.60	.21	.93		
	Alarm Calling	-4.13	4.82	-.18	-.86		
	Phee Calling	.28	1.15	.06	.24		
	Locomotion	3.54	1.36	.60	2.61*		
Males <i>N</i> = 26	Model					3.13*	.37
	Intercept	996.27	139.97		7.12		
	Cage Manip.	5.75	6.65	.18	.86		
	Alarm Calling	17.55	5.61	.64	3.13**		
	Phee Calling	-2.90	3.65	-.14	-.79		
	Locomotion	-3.13	1.43	-.50	-2.18*		

**P* < .05

***P* < .01

Table S6
Regression model for hour post-stressor cortisol by sex at 6 months

		<i>b</i>	<i>SE</i>	β	<i>t</i>	<i>F</i>	<i>R</i> ²
Females <i>N</i> = 18	Model					4.65*	.55
	Intercept	-3.44	5.94		-.58		
	Cage Manipulations	-.14	.58	-.05	-.24		
	Alarm Calling	-.38	.24	-.29	-1.58		
	Phee Calling	.05	.06	.16	.79		
	Locomotion	.20	.07	.63	3.00*		
Males <i>N</i> = 27	Model					1.36	.26
	Intercept	24.35	5.53		4.41		
	Cage Manipulations	-.20	.15	-.26	-1.34		
	Alarm Calling	.37	.21	.36	1.72		
	Phee Calling	-.10	.14	-.13	-.68		
	Locomotion	-.07	.05	-.24	-1.12		

**P* < .05

***P* < .01

****P* < .001