

Table S1. Summary statistics for possum (n = 20) faecal glucocorticoid metabolite (FGM) concentrations (ng/g), iterative baseline and response to potential stress events (E = Enter rehabilitation; Es = escaped cage; C = No cover; NC = New cage; NP = New possum; BR = Back rider; H = Handling; S = Separated; I = Injection; OM = Oral medication).

Animal	Type	Sex	Age	Samples (n)	Mean FGM (ng/g)	Median FGM (ng/g)	S.D.	S.E.M.	CV %	Range	Baseline threshold	Mean baseline	Mean peak	Response to events
1845	Long-term	Female	Adult	12	428	421	169	49	40	174 - 806	583	394	806	✓: I ✗: E, I, I
5862	Long-term	Female	Adult	16	697	662	339	85	49	272 - 1638	928	605	1342	✓: ✗: E
8295	Long-term	Female	Adult	16	792	563	507	127	64	268 - 1991	590	429	1260	✓: E, Es, NC, daily OMx15 ✗:
3215	Long-term	Male	Adult	12	426	425	99	29	23	309 - 698	480	401	698	✓: ✗: E, I, I, I, I
PossumF3	Short-term	Female	Adult	7	1067	993	318	120	30	631 - 1427	1545	1067		✓: E ✗:
PossumF4	Short-term	Female	Adult	7	1500	794	1652	625	110	281 - 4649	1067	592	3770	✓: E ✗:
Meg	Long-term	Female	Adult	14	984	967	339	91	35	557 - 1727	1172	850	1477	✓: ✗: E
PossumF2	Long-term	Female	Adult	12	567	445	358	103	63	198 - 1380	518	354	993	✓: E ✗:
Bligh	Long-term	Female	Sub-adult	8	2358	838	3994	1412	169	125 - 3119	437	236	4480	✓: ✗: E, OM, OM
Mrs Turner	Long-term	Female	Sub-adult	8	1477	1256	1189	420	81	238 - 3303	1737	890	3240	✓: E, I, NC ✗: I
Exderm	Long-term	Unknown	Sub-adult	13	361	335	183	51	51	107 - 643	369	235	562	✓: I, I, NC ✗: E, I

Big Ears	Orphan	Female	Juvenile	16	575	382	615	154	107	71 - 2340	106	87	738	✓: E ✗: NC
Ginger	Orphan	Female	Juvenile	8	138	138	63	22	45	59 - 263	181	121	263	✓: ✗: E
mas	Orphan	Female	Juvenile	10	431	466	353	112	82	43 - 832	961	431		✓: ✗: E
Sore tail	Orphan	Female	Juvenile	9	2266	1918	1697	566	75	135 - 5105	2409	1247	4304	N/A
Velvet	Orphan	Female	Juvenile	7	538	388	432	163	80	179 - 1269	447	293	1152	N/A
Ed	Orphan	Male	Juvenile	11	485	226	631	190	130	62 - 2043	231	138	903	✓: E, H, H, S ✗: NP
Elliot	Orphan	Male	Juvenile	12	197	90	306	88	156	14 - 1112	100	53	398	✓: NC, NP ✗: BR, S
scr	Orphan	Male	Juvenile	10	382	461	237	75	62	83 - 676	737	382		✓: ✗: E
Sookie Boy	Orphan	Male	Juvenile	13	661	333	622	173	94	110 - 2287	354	221	1174	✓: C ✗: