

Supplementary Material

Supplementary Table S1: Sample details and respective TOS, TAC and OSI for naked mole-rats. NBF: non-breeding females, NBM: non-breeding males, BM: breeding males, BF: breeding female.

Animal/sample no.	Sex/status	Body mass (g)	Colony	TOS	TAC	OSI
10,1	BF	72	10	29,5491	2063,50048	1,43199
10,2	BM	42	10	25,9950	3068,48299	0,84716
7,1	BF	66	7	20,4710	1579,56112	1,29599
6,1	BF	77	6	21,8640	1215,94403	1,79811
6,2	BM	32	6	12,0932	1266,29916	0,95500
4,1	BF	65	4	6,9295	1107,81300	0,62551
4,2	BM	35	4	19,3098	3476,62462	0,55542
3,9	BF	75	3	40,2771	4164,63479	0,96712
3,2	BM	44	3	42,6877	4185,30690	1,01994
5,8	BF	47	11	36,0202	2660,34135	1,35397
6,5	BM	33	11	12,7305	1874,27118	0,67922
5,1	BF	49	5	15,2242	2719,17736	0,55988
5,2	BM	47	5	9,7935	1286,97127	0,76097
1,1	BF	71	1	27,8136	2461,04103	1,13016
1,2	BM	59	1	10,7935	2131,87745	0,50629
3,4	NBF	58	3	29,7758	2435,06838	1,22279
4,4	NBF	60	4	6,0252	1315,59419	0,45798
4,8	NBF	43	4	21,7053	2320,04664	0,93555

4,9	NBF	58	4	14,1385	2024,80653	0,69827
6,3	NBF	43	6	12,6851	1390,33181	0,91238
6,7	NBF	58	6	10,7456	1688,75225	0,63630
7,8	NBF	55	7	5,5743	1288,56143	0,43260
4,5	NBM	48	4	11,2998	2416,51648	0,46760
4,7	NBM	54	4	13,8413	3371,14386	0,41058
4,10	NBM	41	4	3,9219	952,50716	0,41175
4,12	NBM	30	4	12,6423	2095,30372	0,60336
6,6	NBM	38	6	15,7028	1646,34793	0,95379
6,1	NBM	43	6	15,5819	1712,07463	0,91012
6,11	NBM	34	6	13,2066	1838,22750	0,71844
6,12	NBM	35	6	16,9270	1675,50090	1,01026

Supplementary Table S2: Sample details and respective TOS, TAC and OSI for Damaraland mole-rats. NBF: non-breeding females, NBM: non-breeding males, BM: breeding males, BF: breeding female.

Animal/sample no.	Sex/status	Body mass (g)	Colony	TOS	TAC	OSI
13	BF	128	1	5,3325	855,07968	0,62363
14	BM	137	7	2,9446	1575,69721	0,18688
15	BF	86	2	5,9673	1383,46614	0,43133
16	BM	129	8	6,4811	1564,74104	0,41420
17	BF	120	7	5,9597	1309,76096	0,45502
18	BM	169	10	7,6952	1299,30279	0,59226
19	BF	188	8	3,6423	920,31873	0,39577
20	BM	184	11	3,5139	1102,58964	0,31869
21	BF	140	10	9,7884	897,90837	1,09013
22	BM	148	12	2,9849	1112,05179	0,26841
23	BF	118	11	3,2242	1438,24701	0,22417
24	BM	193	13	5,7708	1711,65339	0,33715
25	BF	133	12	22,5516	1536,35458	1,46787
26	BM	147	13	11,3451	1872,50996	0,60588
27	BF	139	13	2,8867	1121,51394	0,25739
28	BM	142	15	21,9320	1577,68924	1,39013
29	NBF	109	1	3,4131	1123,50598	0,30379
30	NBF	137	2	3,5970	1479,58167	0,24311
31	NBF	106	3	6,1159	1564,24303	0,39098
32	NBF	88	7	4,7935	1342,13147	0,35715

33	NBF	134	8	3,5693	1540,33865	0,23172
34	NBF	150	10	2,7456	1400,39841	0,19606
35	NBF	121	10	8,6348	1451,69323	0,59481
36	NBF	120	13	7,4736	1643,92430	0,45462
37	NBM	108	1	10,3526	1579,18327	0,65557
38	NBM	146	2	7,3930	1670,31873	0,44261
39	NBM	155	5	6,7406	1618,52590	0,41646
40	NBM	116	7	3,5013	664,68780	0,52675
41	NBM	126	8	2,8363	836,95537	0,33888
42	NBM	160	10	2,7632	1146,50694	0,24101
43	NBM	197	10	9,2418	1015,05354	0,91048
44	NBM	134	12	6,1310	966,81862	0,63414