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Appendix A

A.1 EthoLog key codes for behavioural categories.

#CAT	LBLCAT	CATEGORY
1	A	Lyingster
2	B	Sitting
3	C	Walk
4	D	Run
5	E	Smellgrou
6	F	Smellsamp
7	G	Smellexcr
8	H	Testing
9	I	Rolling
10	J	Rubbhorn
11	K	Rubbbody
12	L	Chew
13	M	Feeding
14	N	Drinking
15	O	Defecate
16	P	Urinate
17	Q	Kick
18	R	Follow
19	S	Feint
20	T	Bitethrea
21	U	Kickthrea
22	V	Chase
23	W	Courtship
24	1	Jump
25	2	Turn
26	3	Shying

EthoLog key codes for behavioural categories continued

#CAT	LBLCAT	CATEGORY
27	a	Lyinglate
28	b	Standing
29	c	Trot
30	d	Scanning
31	e	Smellanim
32	f	Smellnose
33	g	Licking
34	h	Flehmen
35	i	Burrow
36	j	Rubbhead
37	k	Touch
38	l	Twitching
39	m	Tailing
40	n	Sprayurin
41	o	Flatulency
42	p	Overmarkin
43	q	Drag
44	r	Supplant
45	s	Attack
46	t	Bite
47	u	Kick
48	v	Fleeing
49	4	Excitcall
50	5	Squeak
51	6	Snort
52	7	Grunt

A.2 Etholog File names (.LOG and .REP ending)

Date, Sample name, Trial (S1 to S9)

DATE	SAMPLE	S1	S2	S3	S4	S5	S6	S7	S8	S9
30.09	Control	30090501	30090502	30090503	30090504	30090505	30090506	30090507	30090508	30090509
01.10	Control	01100501	01100502	01100503	01100504	01100505	01100506	01100507	01100508	01100509
02.10	Control	02100501	02100502	02100503	02100504	02100505	02100506	02100507	02100508	02100509
03.10	Control	03100501	03100502	03100503	03100504	03100505	03100506	03100507	03100508	03100509
04.10	Control	04100501	04100502	04100503	04100504	04100505	04100506	04100507	04100508	04100509
06.10	Control	06100501	06100502	06100503	06100504	06100505	06100506	06100507	06100508	06100509
07.10	HAM Y 2	07100501	07100502	07100503	07100504	07100505	07100506	missing	07100508	07100509
09.10	HAM Y 1	09100501	09100502	09100503	09100504	09100505	09100506	09100507	09100508	09100509
10.10	HAM Y 3	10100501	10100502	10100503	10100504	10100505	10100506	10100507	10100508	10100509
11.10	HAM Y 4	11100501	11100502	11100503	11100504	11100505	11100506	11100507	11100508	11100509
12.10	HAM Y 5	12100501	12100502	12100503	12100504	12100505	12100506	12100507	12100508	12100509
14.10	HAM Y 6	14100501	14100502	14100503	14100504	14100505	14100506	14100507	14100508	14100509
16.10	HAM c 1	HAMC101	HAMC102	HAMC103	HAMC104	HAMC105	HAMC106	HAMC107	HAMC108	HAMC109
17.10	HAM c 2	HAMC201	HAMC202	HAMC203	HAMC204	HAMC205	HAMC206	HAMC207	HAMC208	HAMC209
18.10	HAM c 3	HAMC301	HAMC302	HAMC303	HAMC304	HAMC305	HAMC306	HAMC307	HAMC308	HAMC309
19.10	HAM c 4	HAMC401	HAMC402	HAMC403	HAMC404	HAMC405	HAMC406	HAMC407	HAMC408	HAMC409
20.10	HAM c 5	HAMC501	HAMC502	HAMC503	HAMC504	HAMC505	HAMC506	HAMC507	HAMC508	HAMC509
21.10	HAM c 6	HAMC601	HAMC602	HAMC603	HAMC604	HAMC605	HAMC606	HAMC607	HAMC608	HAMC609
22.10	HAM Z 1	22100501	22100502	22100503	22100504	22100505	22100506	22100507	22100508	22100509
24.10	HAM Z 2	24100501	24100502	24100503	24100504	24100505	24100506	24100507	24100508	24100509
25.10	HAM Z 3	25100501	25100502	25100503	25100504	25100505	25100506	25100507	25100508	25100509
26.10	HAM Z 4	26100501	26100502	26100503	26100504	26100505	26100506	26100507	26100508	missing
27.10	HAM Z 5	27100501	27100502	27100503	27100504	27100505	27100506	27100507	27100508	27100509
28.10	HAM Z 6	28100501	28100502	28100503	28100504	28100505	28100506	28100507	28100508	28100509
29.10	HAM Z 7	29100501	29100502	29100503	29100504	29100505	29100506	29100507	29100508	29100509
31.10	HAM X 1	31100501	31100502	31100503	31100504	31100505	31100506	31100507	31100508	31100509
01.11	HAM X 2	01110501	01110502	01110503	01110504	01110505	01110506	01110507	01110508	01110509
02.11	HAM X 4	02110501	02110502	02110503	02110504	02110505	02110506	02110507	02110508	02110509
03.11	HAM X 3	03110501	03110502	03110503	03110504	03110505	03110506	03110507	03110508	03110509
04.11	HAM X 5	04110501	04110502	04110503	04110504	04110505	04110506	04110507	04110508	04110509
05.11	HAM X 6	05110501	05110502	05110503	05110504	05110505	05110506	05110507	05110508	05110509
07.11	HAM b 1	07110501	07110502	07110503	07110504	07110505	07110506	07110507	07110508	07110509
08.11	HAM b 2	08110501	08110502	08110503	08110504	08110505	08110506	08110507	08110508	missing
09.11	HAM b 4	missing	10110502	10110503	10110504	10110505	10110506	10110507	10110508	missing
10.11	HAM b 3	CERANO01	UTAMI02	MPENSI03	CERANO04	UTAMI05	MPENSI06	CERANO07	UTAMI08	MPENSI09
11.11	HAM b 5	UTAMI01	MPENSI02	CERANO03	UTAMI04	MPENSI05	CERANO06	UTAMI07	missing	CERANO09
12.11	HAM b 6	MPENSI01	CERANO02	UTAMI03	MPENSI04	CERANO05	UTAMI06	MPENSI07	CERANO08	UTAMI09
14.11	CHC 6-	1411CE01	1411CE02	1411CE03	1411CE04	1411CE05	1411CE06	1411CE07	1411CE08	1411CE09
15.11	CHC 7-	1511UT01	1511CE02	1511CE03	1511UT04	1511MP05	1511CE06	1511UT07	1511MP08	1511CE09
16.11	CHC 1-1	1611MP01	1611CE02	1611CE03	1611MP04	1611CE05	1611CE06	1611UT06	1611CE08	1611CE09
17.11	CHC 2-2	1711CE01	1711CE02	1711CE03	1711CE04	1711CE05	1711CE06	1711CE07	1711CE08	1711CE09
18.11	CHC 3-1	1811CE01	1811CE02	1811CE03	1811CE04	1811CE05	1811CE06	1811CE07	1811CE08	1811CE09
19.11	CHC 4-2	1911CE01	1911CE02	1911CE03	1911CE04	1911CE05	1911CE06	1911CE07	1911CE08	1911CE09
21.11	AUC A2b	2111CE01	2111CE02	2111CE03	2111CE04	2111CE05	2111CE06	2111CE07	2111CE08	2111CE09
22.11	AUC A1a	2211CE01	2211CE02	2211CE03	2211CE04	2211CE05	2211CE06	2211CE07	2211CE08	2211CE09
23.11	AUC A3a	2311CE01	2311CE02	2311CE03	2311CE04	2311CE05	2311CE06	2311CE07	2311CE08	2311CE09
24.11	AUC A5b	2411CE01	2411CE02	2411CE03	2411CE04	2411CE05	2411CE06	2411CE07	2411CE08	2411CE09
30.11	AUC A6b	3011CE01	3011CE02	3011CE03	3011CE04	3011CE05	3011CE06	3011CE07	3011CE08	3011CE09
01.12	AUC A7a	0112CE01	0112CE02	0112CE03	0112CE04	0112CE05	0112CE06	0112CE07	0112CE08	0112CE09
02.12	Peat 1	0212CE01	0212CE02	0212CE03	0212CE04	0212CE05	0212CE06	0212CE07	0212CE08	0212CE09
03.12	Peat 2	0312CE01	0312CE02	0312CE03	0312CE04	0312CE05	0312CE06	0312CE07	0312CE08	0312CE09
04.12	Peat 3	0412CE01	0412CE02	0412CE03	0412CE04	0412CE05	0412CE06	0412CE07	0412CE08	0412CE09
25.01	Peat 4	2501CE01	2501CE02	2501CE03	2501CE04	2501CE05	2501CE06	2501CE07	2501CE08	2501CE09

Etholog File names continued

DATE	SAMPLE	S1	S2	S3	S4	S5	S6	S7	S8	S9
26.01	Peat 5	2601CE01 2601UT01	2601CE02 2601MP02	2601CE03	2601CE04 2601UT04	2601CE05 2601MP05	2601CE06	2601CE07 2601UT07	2601CE08 2601MP08	2601CE09
27.01	Peat 6	2701CE01 2701MP01	2701CE02	2701CE03 2701UT03	2701CE04 2701MP04	2701CE05	2701CE06 2701UT06	2701CE07 2701MP07	2701CE08	2701CE09 2701UT09
01.02	AUC B4b	0102CE01	0102CE02 0102UT02	0102CE03 0102MP03	0102CE04	0102CE05 0102UT05	0102CE06 0102MP06	0102CE07	0102CE08 0102UT08	0102CE09 0102MP09
02.02	AUC B1a	0202CE01 0202UT01	0202CE02 0202MP02	0202CE03	0202CE04 0202UT04	0202CE05 0202MP05	0202CE06	0202CE07 0202UT07	0202CE08 0202MP08	0202CE09
03.02	AUC B2a	0302CE01 0302MP01	0302CE02	0302CE03 0302UT03	0302CE04 0302MP04	0302CE05	0302CE06 0302UT06	0302CE07 0302MP07	0302CE08	0302CE09 0302UT09
04.02	AUC B3b	0402CE01	0402CE02 0402UT02	0402CE03 0402MP03	0402CE04	0402CE05 0402UT05	0402CE06 0402MP06	0402CE07	0402CE08 0402UT08	0402CE09 0402MP09
06.02	AUC B5b	0602CE01 0602UT01	0602CE02 0602MP02	0602CE03	0602CE04 0602UT04	0602CE05 0602MP05	0602CE06	0602CE07 0602UT07	0602CE08 0602MP08	0602CE09
07.02	AUC B6b	0702CE01 0702MP01	0702CE02	0702CE03 0702UT03	0702CE04 0702MP04	0702CE05	0702CE06 0702UT06	0702CE07 0702MP07	0702CE08	0702CE09 0702UT09
10.02	HAM U2a	1002CE01	1002CE02 1002UT02	1002CE03 1002MP03	1002CE04	1002CE05 1002UT05	1002CE06 1002MP06	1002CE07	1002CE08 1002UT08	1002CE09 1002MP09
11.02	HAM U3a	1102CE01 1102UT01	1102CE02 1102MP02	1102CE03	1102CE04 1102UT04	1102CE05 1102MP05	1102CE06	1102CE07 1102UT07	1102CE08 1102MP08	1102CE09
12.02	HAM U5a	1202CE01 1202MP01	1202CE02	1202CE03 1202UT03	1202CE04 1202MP04	1202CE05	1202CE06 1202UT06	1202CE07 1202MP07	1202CE08	1202CE09 1202UT09
13.02	HAM U4b	1302CE01	1302CE02 1302UT02	1302CE03 1302MP03	1302CE04	1302CE05 1302UT05	1302CE06 1302MP06	1302CE07	1302CE08 1302UT08	1302CE09 1302MP09
14.02	HAM U6a	1402CE01 1402UT01	1402CE02 1402MP02	1402CE03	1402CE04 1402UT04	1402CE05 1402MP05	1402CE06	1402CE07 1402UT07	1402CE08 1402MP08	1402CE09
15.02	HAM U7b	1502CE01 1502MP01	1502CE02	1502CE03 1502UT03	1502CE04 1502MP04	1502CE05	1502CE06 1502UT06	1502CE07 1502MP07	1502CE08	1502CE09 1502UT09
06.03	AUC-H B1b	0603CE01	0603CE02 0603UT02	0603CE03 0603MP03	0603CE04	0603CE05 0603UT05	0603CE06 0603MP06	0603CE07	0603CE08 0603UT08	0603CE09 0603MP09
07.03	AUC-H B2b	0703CE01 0703UT01	0703CE02 0703MP02	0703CE03	0703CE04 0703UT04	0703CE05 0703MP05	0703CE06	0703CE07 0703UT07	0703CE08	0703CE09 0703MP09
08.03	AUC-H B4a	0803CE01 0803MP01	0803CE02	0803CE03 0803UT03	0803CE04 0803MP04	0803CE05	0803CE06 0803UT06	0803CE07 0803MP07	0803CE08	0803CE09 0803UT09
09.03	AUC-H B3a	0903CE01	0903CE02 0903UT02	0903CE03 0903MP03	0903CE04	0903CE05 0903UT05	0903CE06 0903MP06	0903CE07	0903CE08 0903UT08	0903CE09 0903MP09
10.03	AUC-H B5a	1003CE01 1003UT01	1003CE02 1003MP02	1003CE03	1003CE04 1003UT04	1003CE05 1003MP05	1003CE06	1003CE07 1003UT07	1003CE08 1003MP08	1003CE09
11.03	AUC-H B6a	1103CE01 1103MP01	1103CE02	1103CE03 1103UT03	1103CE04 1103MP04	1103CE05	1103CE06 1103UT06	1103CE07 1103MP07	1103CE08	1103CE09 1103UT09
18.03	TestoPeat 1	1803CE01	1803CE02 1803UT02	1803CE03 1803MP03	1803CE04	1803CE05 1803UT05	1803CE06 1803MP06	1803CE07	1803CE08 1803UT08	1803CE09 1803MP09
19.03	TestoPeat 2	1903CE01 1903UT01	1903CE02 1903MP02	1903CE03	1903CE04 1903UT04	1903CE05 1903MP05	1903CE06	1903CE07 1903UT07	1903CE08 1903MP08	1903CE09
20.03	TestoPeat 3	2003CE01 2003MP01	2003CE02	2003CE03 2003UT03	2003CE04 2003MP04	2003CE05	2003CE06 2003UT06	2003CE07 2003MP07	2003CE08	2003CE09 2003UT09
21.03	TestoPeat 5	2103CE01	2103CE02 2103UT02	2103CE03 2103MP03	2103CE04	2103CE05 2103UT05	2103CE06 2103MP06	2103CE07	2103CE08 2103UT08	2103CE09 2103MP09
22.03	TestoPeat 4	2203CE01 2203UT01	2203CE02	2203CE03	2203CE04 2203UT04	2203CE05 2203MP05	2203CE06	2203CE07 2203UT07	2203CE08 2203MP08	2203CE09

957 file names, 6 files are missing, because data was unreadable

Appendix B

Activity diagrams of all observation sessions

Header: Observation date and sample name

Upper panels: Positions of and distances between animals. Estimated distances between any two animals in animal lengths (ca. 4 m).

Lower panel: Behavioural activity.

Behaviour observations in the scan sampling mode are identified by diamonds.

Behaviour state events observed in focal animal mode are marked by triangles (start of a specific behaviour) and attached bars indicate the duration of this behaviour state.

Instant events are marked by crosses.

Colours represent different animals.

CY = Cyrano

UT = Utani

MP = Mapenzi







































