

附录1 中华鬣羚PAE编码系统

Appendix 1 Posture-act-environment codes of *Capricornis sumatraensis*

行为 Behaviors	雄性 Male	雌性 Female	母幼 Mother and cub	季节 Season	PAE编码 PAE code		
					姿势 Posture (P)	动作 Action (A)	环境 Environment (E)
<b>摄食行为 Ingestive behaviors</b>							
觅食 Foraging	++	++	+	Y	5	5, 45, 50	1, 2
站式采食 Feeding while standing	++	++	++	Y	1	5, 15, 17, 27, 41, 58	1, 2
行式采食 Feeding while walking	++	++	++	Y	5	5, 15, 17, 18, 27, 50	1, 2
卧式采食 Feeding while lying	+	+		Y	3	17, 27, 34	1, 2
跪式采食 Feeding while kneeling down	+	+		Y	2	5, 15, 17, 27	1, 2
前肢分叉站立采食 Feeding while forelegs standing	+	+	+	Y	1	5, 15, 16, 17	1, 2
啃树皮 Debarking	+	+		w	1	15, 17, 21, 26	1
刨式采食 Feeding from a crater	+	+		w	1	5, 19, 21, 63	3, 4, 5
扯草 Pulling grass	+	+		Y	1	16, 17, 29, 54	1, 2
饮水 Drinking	+	+	+	Y	1, 3	18, 22, 25, 27	6
舔石块 Licking stone	+	+	+	S	1, 2, 3	18, 20, 34	3
舔食盐 Licking salt	+	+		w	1	18, 20, 23, 34	4, 5
吸乳 Sulking			+	S, a	1, 2, 9, 10	18, 19, 34	9
顶乳 Bunting			+	S, a	9	3, 9, 18, 19, 34	9
反刍 Ruminating	++	+	+	Y	1, 2, 3, 4	17, 27, 39, 59, 60, 61	7, 8, 9
<b>休息行为 Resting behavior</b>							
跪式卧息 Kneeling and sitting	+	+	+	Y	2	31, 32, 34, 43, 44	1, 2, 3
侧卧 Lying	+	+		Y	3	31, 32, 39	1, 2, 3
站立休憩 Standing and resting	++	++	+	Y	1	32, 39, 42	1, 2, 3, 4, 5
站立打盹 Napping while standing	+	+	+	Y	1	24, 25, 31, 44	7, 8, 9

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					姿势 Posture (P)	动作 Action (A)	环境 Environment (E)
<b>运动行为 Locomotive behavior</b>							
缓步 Walking	++	++	++	Y	1, 5	46, 48, 50, 59	1, 2, 4, 5
前行 Walking forward	++	++	++	Y	2, 5	2, 34, 36, 37, 48, 60	1, 2, 4, 5
侧行 Walking aside	+	+	+	Y	5	48, 49, 50, 68, 69, 70	4, 5
踏步 Stepping	+			Y	1	43, 44, 47, 50	1, 2, 5
小跑 Trotting	+	+		Y	5, 6	51,	1, 2, 4, 5, 7, 8
奔跑 Galloping	+	+		Y	5, 6	51, 74	1, 5, 7, 8
跳跃 Jumping	+			Y	7	52, 71	1, 4, 5, 6, 7, 8
攀登 Climbing	+	+		Y	7, 8	35, 52, 53, 71	4, 7
接近 Approaching	+	+	+	Y	1, 5	2, 50	9
离开 Departing	+	+	+	Y	5, 6, 8	1, 7, 34, 50, 57	1, 2
跟随 Following			++	Y	1, 4, 5	51, 52	9
<b>排遗行为 Eliminate behavior</b>							
站式排便 Defecating while standing	+	+	+	Y	1	59, 74, 79	1, 2, 3
行式排便 Defecating while walking	+	+	+	Y	5	38, 39, 79	1, 2, 3
蹲式排便 Defecating while squatting	++	++	+	Y	1	3, 10, 62, 67, 79	1, 2, 3
站式排尿 Urinating while standing	+	+	+	Y	1	59, 74, 80	1, 2, 3
行式排尿 Urinating while walking	+	+	+	Y	5	38, 39, 80	1, 2, 3
蹲式排尿 Urinating while squat	++	++	++	Y	1	3, 10, 62, 67, 80	1, 2, 3
<b>调温行为 Thermo-regulatory behavior</b>							
颤抖 Shivering	+	+	+	W, s	1	2, 44, 77	7, 8, 9
树下卧息 Lying under trees	+	+	+	Y	3	31, 74	
树下站息 Standing under trees	++	++	++	Y	1	13, 14	1, 2

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					姿势 Posture (P)	动作 Action (A)	环境 Environment (E)
岩石下站息 Standing under rock	+	+	+	Y	1	13, 14, 55, 56, 76	3
岩石下卧息 Lying under rock	+	+	+	Y	3	24, 31, 74	3
<b>冲突行为 Conflict behavior</b>							
顶角 Sparing	+			s	1, 9	5, 9, 10, 12	7
双耳后伏 Ears back	++			s	1, 7	41	7
逃走 Flee	+			s	6	33, 41, 51, 75	7
<b>通讯行为 Communication behavior</b>							
擦草 Grass rubbing	+	+		Y	1, 9	13, 14	1, 2
嗅 Smelling	++	++	+	Y	1	5, 23, 45	1, 2, 9
鸣叫 Calling	+	+		Y	1, 5, 6, 7, 8	30	7, 8
咂嘴 Lip flipper	+	++		Y	1, 3, 4, 5	25	1, 2, 3, 4, 5
吐舌 Tongue flipper	+	++	+	Y	1, 3, 4, 5	22	1, 2, 3, 4, 5
摆头 Head shaking	+	+	+	Y	1, 5	1, 2	1, 2, 3, 4, 5
<b>聚群行为 Aggregation behavior</b>							
母仔 Mother fawn grouping			++	sp, s, a			9
雌雄 Female and sexual	+	+		Y			7, 8
警戒 Alert	+	+		Y	1	10, 35, 36, 59	3, 4, 6
注视 Watch	+	+	+	Y	1, 4, 5, 6, 7, 8	34, 36, 38, 41	1, 2, 3, 4, 5
观望 Attention	++	++	+	Y	1, 5, 7, 8	4, 35	1, 2, 3, 4, 5
<b>发情行为 Rutting and estrous behavior</b>							
卷唇 Flehmen	+			s, a	1, 5	23	1, 2, 7
嗅尿 Urine sniffing	+			s, a	1, 5	5, 45	1, 2, 7
追逐 Chasing	+			s, a	6	8, 51	1, 2, 7

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					姿势 Posture (P)	动作 Action (A)	环境 Environment (E)
磨角 Antler sharpening	+			s, a	1	1, 13, 14	1, 2, 3, 7
吼叫 Roaring	+			s, a	1	30	1, 2, 7
阴茎抽动 Penis twitchling	+			s	1	67, 78	1, 2, 7
<b>育幼行为 Parental behavior</b>							
舔毛 Licking			+	sp, s, a	1	18,	9
寻仔 Searching for fawn			++	sp, s, a	5, 6	4, 30, 35, 51	9
哺乳 Nursing			+	sp, s, a	1, 9, 10	18, 19, 27	9
<b>杂类行为 Miscellaneous behavior</b>							
玩耍 Playing			+	Y	5, 6, 7	51, 52	1, 2, 9
舔鼻 Nasal licking	+	+	+	Y	1, 3, 4	18	7, 8, 9
角搔背 Scratching body with antlers	+			Y	1	11	1, 2
磨背 Scratching body against	+			Y	1	13, 14, 66	1, 2, 3
角搔后肢 Scratching hindleg with antlers	+			Y	1	11, 51	1, 2
后肢搔 Scratching with handoff	+			Y	1	57	1, 2
鼻镜触 Muzzle tossing	+	+		Y	1, 5	5, 42	1, 2
皮肤抖动 Skin shaking	+	+		Y	1	1, 77	1, 2
抖身体 Trembling	+	+	+	Y	1, 5	2, 41, 59, 77	1, 2
卷尾 Tail arching	+	++		Y	1, 5, 6	72, 73	1, 2
尾巴扫蝇 Tail swapping	++	+		s	1	74, 75	1, 2, 6
摆耳赶蝇 Ears swaying	+	+		s	1, 5	36, 37, 39	1, 2, 3, 4, 5
站立伸腰 Standing stretch	+	+		Y	1	46, 57	1, 2
行走伸腰 Walk stretch	+	+		Y	5	48, 57	1, 2

+表示可能发生, +越多发生的频次越高。Y表示全年, sp, s, a, w分别代表春、夏、秋、冬。

+ indicates that it may occur, and the more + occurs, the higher the frequency. Y represents the whole year, SP, s, a, w represent spring, summer, autumn, winter respectively.