

Prey detection of and escape from predator (I. ceronator)

Data obtained from all tracks where start of prey movement clearly recorded with respect to predators position. Re-encounters between same prey item and predator are not included.

Prey escape behaviour (I. coronata)

KEY

DATE - date

TS - time track started

TF - time track finished

PPL - predator prey location

D1 - distance from predator prey commenced moving (mm)

A1 - angle from direction of movement of predator

~~D2 - initial direction of movement relative to pred direction~~B1 - become distance from start to ^{end of track} ~~beginning~~ (* + B)

B2 - become direction " " " "

T1 - total distance moved

T2 - total time to move T1

DS - depth of search of predator

~~DP - directional change of predator following encounter~~~~SP - speed " " " " " "~~

PS - prey speed over T1/T2

PB - prey burrowed

PD - prey apparently detected

TP - track position

Prey escape behaviour (Ic.)

Possible Prey detected

PPD

TP	DATE	TS	TF	PPL	DI	A1	D2	B1	B2	T1	T2	DS	DP	SP	PS	PG
122	201084	1010	1100	111	11.0	353	305	34.0	232	81.0	-	-	1	0	-	
11	221084	1145	1155	111	5.0	068	062	40.0	086	35.0	-	-	0	+1	-	
17	241084	1253	1309	111	12.0	312	280	51.0	270	76.0	-	-	0	+1	-	
13	061184	1352	1401	112	21.0	011	320	42.0	349	24.0	-	-	0	+1	-	*
93	061184	1304	1332	112	32.0	020	175	-	-	-	-	D4	0	0	-	
95	061184	1304	1332	112	23.0	354	053	-	-	-	-	D4	0	0	-	
97	061184	1304	1332	112	16.0	004	3134	-	-	-	-	D4	0	0	-	
30	061184	1114	1126	112	11.0	113	176	-	-	-	-	-	1	+1	-	
51	091184	1532	1546	112	26.0	022	103	-	-	-	-	B	0	0	-	
26	091184	1532	1546	112	11.0	309	061	-	-	-	-	-	0	+1	-	
23	101184	1453	1515	112	23.0	317	266	26.0	230	44.0	-	D2	1	+1	-	*
3	101184	1453	1515	112	16.0	032	021	110.0	309	156.0	-	-	0	+1	-	*
39	101184	1453	1515	112	22.0	048	048	56.0	037	46.0	-	D2	0	+1	-	*
46	101184	1453	1515	112	55.0	033	039	97.0	327	216.0	-	D3	0	+1	-	*
58	101184	1453	1515	112	60.0	076	255	-	-	-	-	D2	0	0	-	
68	101184	1453	1515	112	16.0	042	353	-	-	-	-	D2	0	0	-	
-	101184	1453	1515	112	29.0	323	062	43.0	016	34.0	-	D4	0	0	-	*
re-encounter	101184	1453	1515	112	23.0	062	121	-	-	-	-	D4	0	0	-	
-	101184	1453	1515	112	28.0	046	074	64.0	052	38.0	-	D4	0	0	-	*
-	101184	1453	1515	112	17.0	000	112	40.0	340	40.0	-	D4	0	0	-	*
re-encounter	101184	1453	1515	112	16.0	309	232	-	-	-	-	D4	0	0	-	
4	111184	1024	1039	112	3.0	012	317	-	-	-	-	D4	1	1	-	
33	111184	1024	1039	112	16.0	355	320	-	-	-	-	-	1	1	-	
32	220285	1416	1429	112	12.0	284	313	34.0	331	177.0	-	D2	1	1	-	*
36	140385	1314	1331	112	13.0	348	317	-	-	-	-	D4	1	1	-	.
39	140385	1314	1331	112	14.0	050	025	-	-	-	-	D2	0	0	-	
14	150385	0901	0928	112	16.0	350	-	46.0	069	200.0	-	D3	-	1	-	*
chk.	150385	1108	1134	112	13.0	000	-	-	-	-	-	-	-	1	-	
1	150385	1219	1310	112	-	-	-	158.0	-	236.0	1355	-	-	1	2.21	*
58	150385	1219	1310	112	18.0	324	-	-	-	106.0	75	-	-	1	1.41	

Prey escape behaviour (I.c)

					mm	mm	mm	mm	mm	mm	mm	mm/s	
	DATE	TS	TF	PPL	D1	A1	B1	B2	T1	T2	DS	PPD	PS
72	150385	1219	1310	112	12.0	040	66.0	118	71.0	60s	D3	1	1.18
143	150385	1219	1310	112	18.0	349	15.0	224	53.0	30	D4	1	1.77
re encounter	150385	1219	1310	112	13.0	335	97.0	229	132.0	75	D4	φ	1.76
14	150385	0927	0940	112	18.0	087	107	326	134.0	-	D1	1	-
33	160385	1231	1303	112	16.0	324	-	-	50.0	30	Dφ	1	1.66
58	160385	1231	1303	112	11.0	288	61.0	177	73.0	60	Dφ	1	1.22
10	160385	1151	1203	112	24.0	303	51.0	341	46.0	90	D4	φ	0.44
re encounter	160385	1151	1203	112	16.0	050	50.0	008	36.0	45	D4	φ	0.84
1	160385	1216	1221	112	11.0	-	26.0	-	29.0	15	-	1	1.93
14	160385	1205	1212	112	35.0	303	50.0	299	15.0	15	D4	φ	1.00
16	030485	1238	1243	111	25.0	134	-	-	104.0	45	D2	φ	2.31
38	030485	1214	1226	111	8.0	290	-	-	262.0	60		1	4.37
34	030485	1248	1259	111	19.0	316	-	-	183.0	90		1	2.03
33	050485	1214	1236	111	16.0	339	-	-	460.0	225	D2	1	2.13
24	040485	1150	1204	111	31.0	271	-	-	15.0	15	D2	1	1.00
76	060485	1336	1409	111	13.0	330	-	-	57.0	75	D2	1	0.76
117	060485	1336	1409	111	43.0	305	31.0	020	46.0	15	D2	φ	3.2
13	060485	1246	1256	111	13.0	000	-	-	211.0	45		1	4.69
31	070485	1332	1346	111	13.0	081	27.0	034	22.0	15	D3	1	1.47
19	010585	1208	1220	111	6.0	237	87.0	233	120.0	75	D1	1	1.60
4	010585	1121	1132	211	7.0	286	60.0	220	231.0	180	Dφ	?	1.28 2.3
5	010585	1133	1141	211	11.0	024	-	-	380.0	210	Dφ	φ	1.81
6	010585	1133	1141	211	7.0	240	-	-	-	-	Dφ	?	-
19	030585	1215	1222	211	21.0	227	52.0	005	78.0	60	D3	1	1.3
43	030585	1242	1256	211	33.0	302	92.0	289	84.0	45	D3	φ	1.87
54	040585	1247	1303	111	16.0	087	-	-	32.0	45	D3	1	0.71
12	040585	1247	1303	111	27.0	309	161.0	323	162.0	105	D4	1	1.54
63	040585	1216	1234	111	18.0	249	23.0	003	39.0	30		1	1.30
3	040585	1147	1153	111	21.0	229	118.0	320	123.0	75	Dφ	φ	1.64
76	040585	1321	1345	111	15.0	012	88.0	035	90.0	75	D3	1	1.2

	DATE	TS	TF	PPL	DI	AI	BI	BZ	TI	TZ	DS	PPD	PS	
15	050585	1332	1344	111	17.0	009	151.0	018	148.0	75	D3	1	1.97	
14	050585	1332	1344	111	16.0	006	55.0	317	204.0	120	-	1	1.70	
17	050585	1250	1259	111	21.0	028	74.0	354	60.0	30	D3	φ	2.0	
6	050585	1232	1238	111	18.0	275	32.0	240	20.0	15	Dφ	φ	1.33	
10	050585	1232	1238	111	41.0	316	69.0	305	60.0 31.0	15	D3	φ	2.07	
80	050585	1301	1324	111	13.0	028	82.0	093	109.0	45		φ	2.42	
87	050585	1301	1324	111	20.0	320	-	-	105.0	60		φ	1.75	