

Supplementary table 1 Number of *I. avulsus* beetles captured by individual traps baited with lanierone, racemic ipsdienol and one of seven enantiomeric ratios of (+)-ipsenol.

Percentage of (+)-ipsenol in the lure	Trap number	Captures	Mean \pm SD
3	6	1714	1628.6 \pm 502.9
	8	966	
	18	1033	
	24	2363	
	31	1737	
	36	2203	
	47	1335	
	53	1678	
20	7	1507	1548.8 \pm 293.5
	9	1278	
	15	1273	
	23	1442	
	33	1688	
	41	2180	
	49	1411	
	52	1611	
35	3	1760	1548.8 \pm 664.5
	11	942	
	21	1046	
	27	1464	
	34	1271	
	39	3043	
	46	1633	
	54	1231	
50	5	1641	1473.6 \pm 726.0
	10	715	
	19	1296	
	26	1021	
	32	1109	
	42	3092	
	45	1678	
	55	1237	
65	1	1627	
	13	1184	
	17	815	
	28	1037	
	35	1402	
	37	2002	

	43	1975	
	50	1524	1445.8 ± 425.0
	4	1526	
	12	1143	
	16	475	
80	22	1472	
	30	1147	
	38	986	
	44	1594	
	51	1209	1194 ± 361.1
	2	1320	
	14	1269	
	20	978	
97	25	625	
	29	1020	
	40	1465	
	48	1053	
	56	688	1052.3 ± 295.4