Supplementary Table 1. Distributional trends for eight native ladybird species, using different thresholds for including data in the analysis. nYr is the number of years in which a 1-km^2 needed to be 'well-surveyed' in order to be considered in the analysis. nFocal is the threshold number of focal species (including *Harmonia axyridis*) to consider a 1-km^2 'well-surveyed' in any one year. Setting both thresholds to zero includes all possible combinations, including those based on incidental records from poorly-sampled areas. Setting nYr= 3 and nFocal=2 (the penultimate model for each species) correspond to the results shown in the main document. Columns b(Y), z(Y) and p(Y) are the slope, effect size and p-value for the trend in the absence of *H. axyridis*; b(H), z(H) and p(H) are comparable values for the effect of *H. axyridis* on the distribution trend. n is the sample size (number of 1-km^2-year combinations) generated by the thresholds applied; obs is the number of combinations in which the focal species was present.

Country	Species	nYr	nFocal	Intercept	b(Y)	z(Y)	p(Y)	b(H)	z(H)	p(H)	n	obs
Belgium	Adalia bipunctata	0	0	-0.929	-0.108	-19.477	0.0000	-0.023	-0.923	0.3561	9889	2589
Belgium	Adalia bipunctata	0	1	-0.740	-0.109	-18.686	0.0000	-0.059	-2.298	0.0216	8918	2589
Belgium	Adalia bipunctata	0	2	0.320	-0.182	-17.649	0.0000	-0.021	-0.703	0.4819	4813	2115
Belgium	Adalia bipunctata	0	3	1.722	-0.395	-17.524	0.0000	0.086	1.993	0.0462	2825	1544
Belgium	Adalia bipunctata	1	0	-0.929	-0.108	-19.477	0.0000	-0.023	-0.923	0.3561	9889	2589
Belgium	Adalia bipunctata	1	1	-0.740	-0.109	-18.686	0.0000	-0.059	-2.298	0.0216	8918	2589
Belgium	Adalia bipunctata	1	2	0.320	-0.182	-17.649	0.0000	-0.021	-0.703	0.4819	4813	2115
Belgium	Adalia bipunctata	1	3	1.722	-0.395	-17.524	0.0000	0.086	1.993	0.0462	2825	1544
Belgium	Adalia bipunctata	2	0	-0.761	-0.080	-11.873	0.0000	-0.120	-4.362	0.0000	6229	1852
Belgium	Adalia bipunctata	2	1	-0.580	-0.073	-10.179	0.0000	-0.171	-5.820	0.0000	5460	1790
Belgium	Adalia bipunctata	2	2	0.418	-0.123	-8.918	0.0000	-0.157	-4.087	0.0000	2519	1230
Belgium	Adalia bipunctata	2	3	1.698	-0.328	-9.410	0.0000	-0.014	-0.245	0.8067	1276	750
Belgium	Adalia bipunctata	3	0	-0.609	-0.053	-6.238	0.0000	-0.199	-6.077	0.0000	4013	1299
Belgium	Adalia bipunctata	3	1	-0.424	-0.044	-4.865	0.0000	-0.241	-6.908	0.0000	3474	1233
Belgium	Adalia bipunctata	3	2	0.627	-0.106	-5.078	0.0000	-0.216	-4.256	0.0000	1419	740
Belgium	Adalia bipunctata	3	3	2.519	-0.453	-7.452	0.0000	0.014	0.170	0.8650	696	437
Britain	Adalia bipunctata	0	0	-8.839	0.000	-0.008	0.9934	-1.379	-3.421	0.0006	23929	4866
Britain	Adalia bipunctata	0	1	-10.473	-0.008	-0.077	0.9389	-1.248	-1.701	0.0890	21885	4866
Britain	Adalia bipunctata	0	2	0.311	0.045	7.768	0.0000	-0.276	-7.032	0.0000	6483	3710
Britain	Adalia bipunctata	0	3	1.253	0.067	6.957	0.0000	-0.262	-3.857	0.0001	3343	2459
Britain	Adalia bipunctata	1	0	-8.839	0.000	-0.008	0.9934	-1.379	-3.421	0.0006	23929	4866
Britain	Adalia bipunctata	1	1	-10.473	-0.008	-0.077	0.9389	-1.248	-1.701	0.0890	21885	4866
Britain	Adalia bipunctata	1	2	0.311	0.045	7.768	0.0000	-0.276	-7.032	0.0000	6483	3710
Britain	Adalia bipunctata	1	3	1.253	0.067	6.957	0.0000	-0.262	-3.857	0.0001	3343	2459
Britain	Adalia bipunctata	2	0	-1.140	-0.008	-1.487	0.1370	-0.743	-19.406	0.0000	13175	3298
Britain	Adalia bipunctata	2	1	-0.865	-0.021	-3.599	0.0003	-0.791	-20.086	0.0000	11621	3209
Britain	Adalia bipunctata	2	2	0.695	0.042	3.924	0.0001	-0.402	-7.511	0.0000	3020	1903
Britain	Adalia bipunctata	2	3	1.833	0.082	3.975	0.0001	-0.519	-5.482	0.0000	1433	1128
Britain	Adalia bipunctata	3	0	-0.848	0.011	1.529	0.1263	-0.666	-16.402	0.0000	7923	2392
Britain	Adalia bipunctata	3	1	-0.555	-0.004	-0.512	0.6086	-0.699	-16.683	0.0000	6789	2276
Britain	Adalia bipunctata	3	2	1.057	0.059	3.615	0.0003	-0.535	-7.891	0.0000	1746	1179
Britain	Adalia bipunctata	3	3	2.211	0.099	2.962	0.0031	-0.539	-4.503	0.0000	803	664
Country	**Species**	**nYr**	**nFocal**	**Intercept**	**b(Y)**	**z(Y)**	**p(Y)**	**b(H)**	**z(H)**	**p(H)**	**n**	**obs**
Belgium	Adalia decempunctata	0	0	-12.759	0.000	0.001	0.9992	0.057	0.042	0.9665	9889	1049
Belgium	Adalia decempunctata	0	1	-7.828	-0.007	-0.091	0.9271	-0.126	-0.458	0.6469	8918	1049
Belgium	Adalia decempunctata	0	2	-4.323	-0.004	-0.136	0.8920	-0.252	-2.112	0.0347	4813	943
Belgium	Adalia decempunctata	0	3	-0.916	0.033	2.858	0.0043	-0.141	-3.384	0.0007	2825	829
Belgium	Adalia decempunctata	1	0	-12.759	0.000	0.001	0.9992	0.057	0.042	0.9665	9889	1049
Belgium	Adalia decempunctata	1	1	-7.828	-0.007	-0.091	0.9271	-0.126	-0.458	0.6469	8918	1049
Belgium	Adalia decempunctata	1	2	-4.323	-0.004	-0.136	0.8920	-0.252	-2.112	0.0347	4813	943
Belgium	Adalia decempunctata	1	3	-0.916	0.033	2.858	0.0043	-0.141	-3.384	0.0007	2825	829
Belgium	Adalia decempunctata	2	0	-7.877	0.043	0.485	0.6279	-0.339	-1.172	0.2412	6229	730
Belgium	Adalia decempunctata	2	1	-7.717	0.114	1.102	0.2704	-1.148	-3.382	0.0007	5460	701
Belgium	Adalia decempunctata	2	2	-1.475	0.031	2.236	0.0254	-0.121	-2.681	0.0073	2519	519
Belgium	Adalia decempunctata	2	3	-0.867	0.053	2.850	0.0044	-0.173	-3.173	0.0015	1276	381
Belgium	Adalia decempunctata	3	0	-12.423	0.035	0.061	0.9514	-0.043	-0.027	0.9788	4013	517
Belgium	Adalia decempunctata	3	1	-8.147	0.049	0.368	0.7125	-0.188	-0.474	0.6353	3474	486
Belgium	Adalia decempunctata	3	2	-1.302	0.051	2.688	0.0072	-0.187	-3.217	0.0013	1419	316
Belgium	Adalia decempunctata	3	3	-0.736	0.070	2.613	0.0090	-0.202	-2.848	0.0044	696	223
Britain	Adalia decempunctata	0	0	-10.583	0.031	0.246	0.8055	-3.938	-3.363	0.0008	23929	2242
Britain	Adalia decempunctata	0	1	-9.785	0.024	0.266	0.7901	-1.583	-1.885	0.0594	21885	2242
Britain	Adalia decempunctata	0	2	-0.990	-0.034	-5.364	0.0000	-0.243	-4.857	0.0000	6483	1821
Britain	Adalia decempunctata	0	3	-0.211	-0.018	-2.265	0.0235	-0.194	-3.649	0.0003	3343	1447
Britain	Adalia decempunctata	1	0	-10.583	0.031	0.246	0.8055	-3.938	-3.363	0.0008	23929	2242
Britain	Adalia decempunctata	1	1	-9.785	0.024	0.266	0.7901	-1.583	-1.885	0.0594	21885	2242
Britain	Adalia decempunctata	1	2	-0.990	-0.034	-5.364	0.0000	-0.243	-4.857	0.0000	6483	1821
Britain	Adalia decempunctata	1	3	-0.211	-0.018	-2.265	0.0235	-0.194	-3.649	0.0003	3343	1447
Britain	Adalia decempunctata	2	0	-9.211	0.005	0.056	0.9552	-0.842	-1.384	0.1662	13175	1502
Britain	Adalia decempunctata	2	1	-11.966	-0.049	-0.115	0.9083	-0.710	-0.481	0.6307	11621	1457
Britain	Adalia decempunctata	2	2	-0.818	-0.023	-2.097	0.0360	-0.254	-4.160	0.0000	3020	940
Britain	Adalia decempunctata	2	3	-0.100	-0.015	-0.964	0.3350	-0.230	-3.232	0.0012	1433	646
Britain	Adalia decempunctata	3	0	-10.715	0.172	1.196	0.2317	-1.395	-1.516	0.1295	7923	1066
Britain	Adalia decempunctata	3	1	-9.522	-0.113	-0.793	0.4279	-0.530	-0.568	0.5701	6789	998
Britain	Adalia decempunctata	3	2	-0.794	-0.024	-1.341	0.1800	-0.331	-4.232	0.0000	1746	554
Britain	Adalia decempunctata	3	3	-0.044	0.011	0.432	0.6660	-0.304	-3.359	0.0008	803	373

Country	Species	nYr	nFocal	Intercept	b(Y)	z(Y)	p(Y)	b(H)	z(H)	p(H)	n	obs
Belgium	Calvia quatuordecimguttata	0	0	-7.477	0.000	0.000	0.9998	0.024	0.119	0.9054	9889	1350
Belgium	Calvia quatuordecimguttata	0	1	-6.250	0.076	1.976	0.0481	-0.462	-2.835	0.0046	8918	1350
Belgium	Calvia quatuordecimguttata	0	2	-1.165	-0.037	-4.262	0.0000	-0.046	-1.265	0.2058	4813	1212
Belgium	Calvia quatuordecimguttata	0	3	-0.496	-0.010	-0.876	0.3811	-0.130	-3.141	0.0017	2825	1026
Belgium	Calvia quatuordecimguttata	1	0	-7.477	0.000	0.000	0.9998	0.024	0.119	0.9054	9889	1350
Belgium	Calvia quatuordecimguttata	1	1	-6.250	0.076	1.976	0.0481	-0.462	-2.835	0.0046	8918	1350
Belgium	Calvia quatuordecimguttata	1	2	-1.165	-0.037	-4.262	0.0000	-0.046	-1.265	0.2058	4813	1212
Belgium	Calvia quatuordecimguttata	1	3	-0.496	-0.010	-0.876	0.3811	-0.130	-3.141	0.0017	2825	1026
Belgium	Calvia quatuordecimguttata	2	0	-9.013	-0.095	-0.811	0.4175	-1.947	-4.217	0.0000	6229	957
Belgium	Calvia quatuordecimguttata	2	1	-4.202	0.086	2.975	0.0029	-0.970	-8.144	0.0000	5460	926
Belgium	Calvia quatuordecimguttata	2	2	-1.084	-0.027	-2.268	0.0233	-0.048	-1.110	0.2671	2519	681
Belgium	Calvia quatuordecimguttata	2	3	-0.519	0.007	0.381	0.7033	-0.116	-2.117	0.0343	1276	470
Belgium	Calvia quatuordecimguttata	3	0	-6.671	-0.068	-1.063	0.2879	-0.093	-0.415	0.6781	4013	677
Belgium	Calvia quatuordecimguttata	3	1	-8.483	0.457	2.768	0.0056	-1.827	-3.165	0.0016	3474	645
Belgium	Calvia quatuordecimguttata	3	2	-0.985	0.013	0.735	0.4621	-0.139	-2.447	0.0144	1419	402
Belgium	Calvia quatuordecimguttata	3	3	-0.436	0.025	0.945	0.3448	-0.154	-2.185	0.0289	696	264
Britain	Calvia quatuordecimguttata	0	0	-6.446	-0.069	-2.575	0.0100	-0.490	-1.945	0.0518	23929	1521
Britain	Calvia quatuordecimguttata	0	1	-12.380	-0.089	-0.522	0.6017	-0.305	-0.213	0.8315	21885	1521
Britain	Calvia quatuordecimguttata	0	2	-3.120	-0.134	-9.697	0.0000	-0.421	-3.302	0.0010	6483	1182
Britain	Calvia quatuordecimguttata	0	3	-1.044	-0.039	-4.231	0.0000	-0.172	-2.505	0.0122	3343	932
Britain	Calvia quatuordecimguttata	1	0	-6.446	-0.069	-2.575	0.0100	-0.490	-1.945	0.0518	23929	1521
Britain	Calvia quatuordecimguttata	1	1	-12.380	-0.089	-0.522	0.6017	-0.305	-0.213	0.8315	21885	1521
Britain	Calvia quatuordecimguttata	1	2	-3.120	-0.134	-9.697	0.0000	-0.421	-3.302	0.0010	6483	1182
Britain	Calvia quatuordecimguttata	1	3	-1.044	-0.039	-4.231	0.0000	-0.172	-2.505	0.0122	3343	932
Britain	Calvia quatuordecimguttata	2	0	-5.724	-0.039	-1.453	0.1462	-0.704	-3.467	0.0005	13175	1044
Britain	Calvia quatuordecimguttata	2	1	-8.629	-0.049	-0.656	0.5120	-0.712	-1.413	0.1576	11621	1006
Britain	Calvia quatuordecimguttata	2	2	-1.624	-0.049	-3.869	0.0001	-0.151	-1.983	0.0473	3020	616
Britain	Calvia quatuordecimguttata	2	3	-0.916	-0.070	-3.912	0.0001	-0.123	-1.346	0.1781	1433	423
Britain	Calvia quatuordecimguttata	3	0	-8.081	0.030	0.274	0.7842	-1.260	-1.652	0.0986	7923	711
Britain	Calvia quatuordecimguttata	3	1	-7.773	-0.082	-0.806	0.4201	-1.577	-2.831	0.0046	6789	670
Britain	Calvia quatuordecimguttata	3	2	-1.571	-0.051	-2.566	0.0103	-0.204	-2.174	0.0297	1746	365
Britain	Calvia quatuordecimguttata	3	3	-0.716	-0.084	-2.455	0.0141	-0.396	-2.838	0.0045	803	250
Country	**Species**	**nYr**	**nFocal**	**Intercept**	**b(Y)**	**z(Y)**	**p(Y)**	**b(H)**	**z(H)**	**p(H)**	**n**	**obs**
Belgium	Coccinella septempunctata	0	0	0.037	-0.007	-1.368	0.1713	0.014	0.757	0.4491	9889	5073
Belgium	Coccinella septempunctata	0	1	0.310	0.002	0.342	0.7327	-0.051	-2.522	0.0117	8918	5073
Belgium	Coccinella septempunctata	0	2	1.115	0.005	0.573	0.5664	0.034	1.027	0.3044	4813	3568
Belgium	Coccinella septempunctata	0	3	11.742	-0.013	-0.023	0.9814	0.054	0.033	0.9740	2825	2294
Belgium	Coccinella septempunctata	1	0	0.037	-0.007	-1.368	0.1713	0.014	0.757	0.4491	9889	5073
Belgium	Coccinella septempunctata	1	1	0.310	0.002	0.342	0.7327	-0.051	-2.522	0.0117	8918	5073
Belgium	Coccinella septempunctata	1	2	1.115	0.005	0.573	0.5664	0.034	1.027	0.3044	4813	3568
Belgium	Coccinella septempunctata	1	3	11.742	-0.013	-0.023	0.9814	0.054	0.033	0.9740	2825	2294
Belgium	Coccinella septempunctata	2	0	0.153	-0.009	-1.330	0.1836	0.001	0.041	0.9673	6229	3347
Belgium	Coccinella septempunctata	2	1	0.417	0.001	0.179	0.8576	-0.041	-1.746	0.0808	5460	3224
Belgium	Coccinella septempunctata	2	2	1.230	0.001	0.075	0.9404	0.048	1.135	0.2566	2519	1914
Belgium	Coccinella septempunctata	2	3	12.137	-0.016	-0.017	0.9867	-0.006	-0.003	0.9980	1276	1077
Belgium	Coccinella septempunctata	3	0	0.233	-0.017	-1.947	0.0515	0.012	0.432	0.6654	4013	2231
Belgium	Coccinella septempunctata	3	1	0.495	-0.010	-1.020	0.3079	-0.022	-0.759	0.4476	3474	2111
Belgium	Coccinella septempunctata	3	2	1.389	0.002	0.125	0.9008	0.014	0.262	0.7935	1419	1105
Belgium	Coccinella septempunctata	3	3	13.327	-0.117	-0.101	0.9195	-0.224	-0.087	0.9303	696	611
Britain	Coccinella septempunctata	0	0	-0.188	-0.083	-23.217	0.0000	-1.093	-29.705	0.0000	23929	8395
Britain	Coccinella septempunctata	0	1	0.471	-0.371	-38.873	0.0000	-1.728	-25.844	0.0000	21885	8395
Britain	Coccinella septempunctata	0	2	1.347	-0.026	-3.610	0.0003	-0.238	-5.878	0.0000	6483	4773
Britain	Coccinella septempunctata	0	3	4.427	0.117	3.908	0.0001	-0.127	-0.615	0.5388	3343	2811
Britain	Coccinella septempunctata	1	0	-0.188	-0.083	-23.217	0.0000	-1.093	-29.705	0.0000	23929	8395
Britain	Coccinella septempunctata	1	1	0.471	-0.371	-38.873	0.0000	-1.728	-25.844	0.0000	21885	8395
Britain	Coccinella septempunctata	1	2	1.347	-0.026	-3.610	0.0003	-0.238	-5.878	0.0000	6483	4773
Britain	Coccinella septempunctata	1	3	4.427	0.117	3.908	0.0001	-0.127	-0.615	0.5388	3343	2811
Britain	Coccinella septempunctata	2	0	-0.302	-0.070	-12.646	0.0000	-0.645	-18.217	0.0000	13175	4788
Britain	Coccinella septempunctata	2	1	0.055	-0.105	-16.370	0.0000	-0.683	-18.255	0.0000	11621	4599
Britain	Coccinella septempunctata	2	2	1.362	-0.017	-1.383	0.1665	-0.152	-2.772	0.0056	3020	2227
Britain	Coccinella septempunctata	2	3	9.478	-0.140	-0.392	0.6952	3.631	2.514	0.0119	1433	1198
Britain	Coccinella septempunctata	3	0	-0.243	-0.050	-6.378	0.0000	-0.511	-12.931	0.0000	7923	3159
Britain	Coccinella septempunctata	3	1	0.112	-0.088	-9.787	0.0000	-0.521	-12.443	0.0000	6789	2963
Britain	Coccinella septempunctata	3	2	1.466	-0.016	-0.839	0.4017	-0.092	-1.317	0.1879	1746	1314
Britain	Coccinella septempunctata	3	3	13.649	-0.134	-0.074	0.9410	0.161	0.031	0.9749	803	692

Country	Species	nYr	nFocal	Intercept	b(Y)	z(Y)	p(Y)	b(H)	z(H)	p(H)	n	obs
Belgium	Exochomus quadripustulatus	0	0	-5.869	-0.120	-4.022	0.0001	-0.200	-1.854	0.0637	9889	1043
Belgium	Exochomus quadripustulatus	0	1	-10.295	0.091	0.679	0.4972	-1.229	-2.686	0.0072	8918	1043
Belgium	Exochomus quadripustulatus	0	2	-3.832	-0.059	-2.370	0.0178	-0.201	-1.961	0.0498	4813	919
Belgium	Exochomus quadripustulatus	0	3	-1.303	0.021	1.453	0.1463	-0.050	-1.118	0.2637	2825	773
Belgium	Exochomus quadripustulatus	1	0	-5.869	-0.120	-4.022	0.0001	-0.200	-1.854	0.0637	9889	1043
Belgium	Exochomus quadripustulatus	1	1	-10.295	0.091	0.679	0.4972	-1.229	-2.686	0.0072	8918	1043
Belgium	Exochomus quadripustulatus	1	2	-3.832	-0.059	-2.370	0.0178	-0.201	-1.961	0.0498	4813	919
Belgium	Exochomus quadripustulatus	1	3	-1.303	0.021	1.453	0.1463	-0.050	-1.118	0.2637	2825	773
Belgium	Exochomus quadripustulatus	2	0	-8.004	0.037	0.356	0.7219	-0.486	-1.441	0.1496	6229	743
Belgium	Exochomus quadripustulatus	2	1	-7.312	-0.057	-0.671	0.5020	-0.250	-0.826	0.4089	5460	710
Belgium	Exochomus quadripustulatus	2	2	-1.758	0.050	2.966	0.0030	-0.126	-2.608	0.0091	2519	547
Belgium	Exochomus quadripustulatus	2	3	-1.065	0.043	1.826	0.0679	-0.079	-1.414	0.1574	1276	407
Belgium	Exochomus quadripustulatus	3	0	-5.510	0.062	1.342	0.1795	-0.266	-2.029	0.0425	4013	529
Belgium	Exochomus quadripustulatus	3	1	-5.102	0.056	1.256	0.2091	-0.232	-1.719	0.0856	3474	500
Belgium	Exochomus quadripustulatus	3	2	-1.634	0.078	3.203	0.0014	-0.187	-3.043	0.0023	1419	335
Belgium	Exochomus quadripustulatus	3	3	-0.819	0.061	1.848	0.0646	-0.160	-2.168	0.0302	696	243
Britain	Exochomus quadripustulatus	0	0	-5.513	-0.078	-3.713	0.0002	-0.997	-5.620	0.0000	23929	1835
Britain	Exochomus quadripustulatus	0	1	-4.036	-0.117	-10.625	0.0000	-1.822	-18.462	0.0000	21885	1835
Britain	Exochomus quadripustulatus	0	2	-3.409	-0.050	-3.021	0.0025	-0.325	-2.818	0.0048	6483	1365
Britain	Exochomus quadripustulatus	0	3	-1.465	0.084	7.079	0.0000	-0.071	-1.130	0.2587	3343	1048
Britain	Exochomus quadripustulatus	1	0	-5.513	-0.078	-3.713	0.0002	-0.997	-5.620	0.0000	23929	1835
Britain	Exochomus quadripustulatus	1	1	-4.036	-0.117	-10.625	0.0000	-1.822	-18.462	0.0000	21885	1835
Britain	Exochomus quadripustulatus	1	2	-3.409	-0.050	-3.021	0.0025	-0.325	-2.818	0.0048	6483	1365
Britain	Exochomus quadripustulatus	1	3	-1.465	0.084	7.079	0.0000	-0.071	-1.130	0.2587	3343	1048
Britain	Exochomus quadripustulatus	2	0	-4.400	-0.053	-3.216	0.0013	-0.983	-10.043	0.0000	13175	1371
Britain	Exochomus quadripustulatus	2	1	-4.083	-0.058	-3.431	0.0006	-0.751	-7.303	0.0000	11621	1339
Britain	Exochomus quadripustulatus	2	2	-1.745	0.073	4.584	0.0000	-0.204	-3.007	0.0026	3020	815
Britain	Exochomus quadripustulatus	2	3	-0.945	0.087	4.033	0.0001	-0.040	-0.470	0.6382	1433	578
Britain	Exochomus quadripustulatus	3	0	-5.263	-0.014	-0.452	0.6514	-0.830	-5.362	0.0000	7923	1002
Britain	Exochomus quadripustulatus	3	1	-4.765	0.094	2.912	0.0036	-0.891	-6.531	0.0000	6789	964
Britain	Exochomus quadripustulatus	3	2	-1.396	0.091	3.832	0.0001	-0.216	-2.655	0.0079	1746	570
Britain	Exochomus quadripustulatus	3	3	-0.799	0.183	4.205	0.0000	-0.242	-2.032	0.0421	803	374
Country	**Species**	**nYr**	**nFocal**	**Intercept**	**b(Y)**	**z(Y)**	**p(Y)**	**b(H)**	**z(H)**	**p(H)**	**n**	**obs**
Belgium	Halyzia sedecimguttata	0	0	-7.104	0.011	0.193	0.8469	-0.148	-0.828	0.4075	9889	1183
Belgium	Halyzia sedecimguttata	0	1	-11.252	0.291	1.215	0.2243	-0.592	-0.968	0.3330	8918	1183
Belgium	Halyzia sedecimguttata	0	2	-5.107	-0.044	-1.097	0.2728	0.271	2.134	0.0328	4813	1007
Belgium	Halyzia sedecimguttata	0	3	-1.281	0.122	8.874	0.0000	-0.057	-1.477	0.1397	2825	840
Belgium	Halyzia sedecimguttata	1	0	-7.104	0.011	0.193	0.8469	-0.148	-0.828	0.4075	9889	1183
Belgium	Halyzia sedecimguttata	1	1	-11.252	0.291	1.215	0.2243	-0.592	-0.968	0.3330	8918	1183
Belgium	Halyzia sedecimguttata	1	2	-5.107	-0.044	-1.097	0.2728	0.271	2.134	0.0328	4813	1007
Belgium	Halyzia sedecimguttata	1	3	-1.281	0.122	8.874	0.0000	-0.057	-1.477	0.1397	2825	840
Belgium	Halyzia sedecimguttata	2	0	-5.420	-0.167	-4.546	0.0000	-0.202	-1.603	0.1089	6229	813
Belgium	Halyzia sedecimguttata	2	1	-7.649	-0.123	-1.893	0.0583	0.488	2.991	0.0028	5460	788
Belgium	Halyzia sedecimguttata	2	2	-1.754	0.113	6.757	0.0000	-0.056	-1.330	0.1835	2519	571
Belgium	Halyzia sedecimguttata	2	3	-1.120	0.127	5.867	0.0000	-0.083	-1.628	0.1036	1276	407
Belgium	Halyzia sedecimguttata	3	0	-12.411	0.090	0.147	0.8833	-0.016	-0.013	0.9899	4013	597
Belgium	Halyzia sedecimguttata	3	1	-11.204	0.271	0.693	0.4882	-0.253	-0.310	0.7567	3474	567
Belgium	Halyzia sedecimguttata	3	2	-1.583	0.125	5.441	0.0000	-0.085	-1.593	0.1111	1419	348
Belgium	Halyzia sedecimguttata	3	3	-0.935	0.137	4.673	0.0000	-0.095	-1.443	0.1490	696	244
Britain	Halyzia sedecimguttata	0	0	-4.650	-0.044	-3.181	0.0015	-1.604	-12.812	0.0000	23929	1815
Britain	Halyzia sedecimguttata	0	1	-3.726	-0.003	-0.299	0.7647	-1.348	-15.401	0.0000	21885	1815
Britain	Halyzia sedecimguttata	0	2	-3.560	0.044	2.488	0.0129	-0.595	-5.394	0.0000	6483	1045
Britain	Halyzia sedecimguttata	0	3	-5.021	0.260	3.763	0.0002	-0.383	-1.341	0.1801	3343	739
Britain	Halyzia sedecimguttata	1	0	-4.650	-0.044	-3.181	0.0015	-1.604	-12.812	0.0000	23929	1815
Britain	Halyzia sedecimguttata	1	1	-3.726	-0.003	-0.299	0.7647	-1.348	-15.401	0.0000	21885	1815
Britain	Halyzia sedecimguttata	1	2	-3.560	0.044	2.488	0.0129	-0.595	-5.394	0.0000	6483	1045
Britain	Halyzia sedecimguttata	1	3	-5.021	0.260	3.763	0.0002	-0.383	-1.341	0.1801	3343	739
Britain	Halyzia sedecimguttata	2	0	-9.305	-0.018	-0.170	0.8653	-0.859	-1.801	0.0716	13175	1239
Britain	Halyzia sedecimguttata	2	1	-6.039	0.046	1.082	0.2793	-1.391	-6.395	0.0000	11621	1209
Britain	Halyzia sedecimguttata	2	2	-3.784	0.308	8.123	0.0000	-0.557	-5.040	0.0000	3020	603
Britain	Halyzia sedecimguttata	2	3	-2.073	0.238	7.066	0.0000	-0.385	-3.772	0.0002	1433	386
Britain	Halyzia sedecimguttata	3	0	-6.656	0.038	0.717	0.4731	-0.540	-2.416	0.0157	7923	887
Britain	Halyzia sedecimguttata	3	1	-4.289	0.091	2.937	0.0033	-1.144	-8.244	0.0000	6789	842
Britain	Halyzia sedecimguttata	3	2	-2.335	0.200	6.137	0.0000	-0.396	-4.280	0.0000	1746	389
Britain	Halyzia sedecimguttata	3	3	-1.608	0.193	5.012	0.0000	-0.356	-3.065	0.0022	803	236

Country	Species	nYr	nFocal	Intercept	b(Y)	z(Y)	p(Y)	b(H)	z(H)	p(H)	n	obs
Belgium	Propylea quattuordecimpunctata	0	0	-0.988	-0.042	-7.993	0.0000	0.006	0.274	0.7843	9889	2682
Belgium	Propylea quattuordecimpunctata	0	1	-0.813	-0.038	-7.072	0.0000	-0.033	-1.480	0.1388	8918	2682
Belgium	Propylea quattuordecimpunctata	0	2	0.153	-0.051	-6.578	0.0000	-0.072	-2.664	0.0077	4813	2354
Belgium	Propylea quattuordecimpunctata	0	3	0.922	-0.075	-5.924	0.0000	-0.041	-1.164	0.2444	2825	1827
Belgium	Propylea quattuordecimpunctata	1	0	-0.988	-0.042	-7.993	0.0000	0.006	0.274	0.7843	9889	2682
Belgium	Propylea quattuordecimpunctata	1	1	-0.813	-0.038	-7.072	0.0000	-0.033	-1.480	0.1388	8918	2682
Belgium	Propylea quattuordecimpunctata	1	2	0.153	-0.051	-6.578	0.0000	-0.072	-2.664	0.0077	4813	2354
Belgium	Propylea quattuordecimpunctata	1	3	0.922	-0.075	-5.924	0.0000	-0.041	-1.164	0.2444	2825	1827
Belgium	Propylea quattuordecimpunctata	2	0	-0.866	-0.022	-3.302	0.0010	-0.061	-2.546	0.0109	6229	1844
Belgium	Propylea quattuordecimpunctata	2	1	-0.696	-0.015	-2.233	0.0256	-0.096	-3.810	0.0001	5460	1778
Belgium	Propylea quattuordecimpunctata	2	2	0.233	-0.035	-3.064	0.0022	-0.076	-2.243	0.0249	2519	1299
Belgium	Propylea quattuordecimpunctata	2	3	1.009	-0.076	-3.642	0.0003	-0.014	-0.295	0.7680	1276	856
Belgium	Propylea quattuordecimpunctata	3	0	-0.736	-0.014	-1.608	0.1078	-0.084	-2.988	0.0028	4013	1284
Belgium	Propylea quattuordecimpunctata	3	1	-0.562	-0.005	-0.528	0.5973	-0.114	-3.819	0.0001	3474	1220
Belgium	Propylea quattuordecimpunctata	3	2	0.354	-0.018	-1.143	0.2530	-0.104	-2.370	0.0178	1419	775
Belgium	Propylea quattuordecimpunctata	3	3	1.087	-0.056	-1.865	0.0622	-0.100	-1.560	0.1187	696	465
Britain	Propylea quattuordecimpunctata	0	0	-7.599	-0.027	-0.677	0.4987	-2.340	-5.599	0.0000	23929	3554
Britain	Propylea quattuordecimpunctata	0	1	-8.407	-0.028	-0.629	0.5294	-3.308	-7.167	0.0000	21885	3554
Britain	Propylea quattuordecimpunctata	0	2	-0.007	-0.036	-6.261	0.0000	-0.538	-10.835	0.0000	6483	2921
Britain	Propylea quattuordecimpunctata	0	3	0.817	-0.031	-3.458	0.0005	-0.496	-8.543	0.0000	3343	2049
Britain	Propylea quattuordecimpunctata	1	0	-7.599	-0.027	-0.677	0.4987	-2.340	-5.599	0.0000	23929	3554
Britain	Propylea quattuordecimpunctata	1	1	-8.407	-0.028	-0.629	0.5294	-3.308	-7.167	0.0000	21885	3554
Britain	Propylea quattuordecimpunctata	1	2	-0.007	-0.036	-6.261	0.0000	-0.538	-10.835	0.0000	6483	2921
Britain	Propylea quattuordecimpunctata	1	3	0.817	-0.031	-3.458	0.0005	-0.496	-8.543	0.0000	3343	2049
Britain	Propylea quattuordecimpunctata	2	0	-9.758	-0.026	-0.223	0.8239	-1.190	-1.280	0.2006	13175	2149
Britain	Propylea quattuordecimpunctata	2	1	-5.649	-0.114	-2.950	0.0032	-1.034	-3.797	0.0001	11621	2064
Britain	Propylea quattuordecimpunctata	2	2	-0.091	-0.055	-5.218	0.0000	-0.311	-5.179	0.0000	3020	1306
Britain	Propylea quattuordecimpunctata	2	3	0.653	-0.077	-4.031	0.0001	-0.247	-3.260	0.0011	1433	800
Britain	Propylea quattuordecimpunctata	3	0	-1.531	-0.070	-8.717	0.0000	-0.576	-9.622	0.0000	7923	1454
Britain	Propylea quattuordecimpunctata	3	1	-1.359	-0.088	-10.092	0.0000	-0.582	-9.443	0.0000	6789	1337
Britain	Propylea quattuordecimpunctata	3	2	-0.225	-0.045	-2.882	0.0040	-0.307	-4.122	0.0000	1746	711
Britain	Propylea quattuordecimpunctata	3	3	0.474	-0.005	-0.177	0.8598	-0.343	-3.557	0.0004	803	433

Country	Species	nYr	nFocal	Intercept	b(Y)	z(Y)	p(Y)	b(H)	z(H)	p(H)	n	obs
Belgium	Psyllobora virgintiduopunctata	0	0	-4.749	-0.048	-2.212	0.0270	-0.039	-0.437	0.6618	9889	1888
Belgium	Psyllobora virgintiduopunctata	0	1	-1.540	-0.022	-3.539	0.0004	0.068	2.756	0.0058	8918	1888
Belgium	Psyllobora virgintiduopunctata	0	2	-0.744	-0.019	-2.430	0.0151	0.029	0.989	0.3226	4813	1639
Belgium	Psyllobora virgintiduopunctata	0	3	-0.128	-0.014	-1.326	0.1848	0.005	0.128	0.8978	2825	1319
Belgium	Psyllobora virgintiduopunctata	1	0	-4.749	-0.048	-2.212	0.0270	-0.039	-0.437	0.6618	9889	1888
Belgium	Psyllobora virgintiduopunctata	1	1	-1.540	-0.022	-3.539	0.0004	0.068	2.756	0.0058	8918	1888
Belgium	Psyllobora virgintiduopunctata	1	2	-0.744	-0.019	-2.430	0.0151	0.029	0.989	0.3226	4813	1639
Belgium	Psyllobora virgintiduopunctata	1	3	-0.128	-0.014	-1.326	0.1848	0.005	0.128	0.8978	2825	1319
Belgium	Psyllobora virgintiduopunctata	2	0	-1.528	-0.012	-1.598	0.1101	0.043	1.634	0.1023	6229	1325
Belgium	Psyllobora virgintiduopunctata	2	1	-1.385	-0.006	-0.742	0.4580	0.019	0.689	0.4907	5460	1278
Belgium	Psyllobora virgintiduopunctata	2	2	-0.616	-0.019	-1.694	0.0904	0.010	0.276	0.7823	2519	935
Belgium	Psyllobora virgintiduopunctata	2	3	0.037	-0.034	-1.918	0.0551	0.037	0.778	0.4364	1276	644
Belgium	Psyllobora virgintiduopunctata	3	0	-1.383	-0.010	-0.993	0.3205	0.016	0.513	0.6078	4013	935
Belgium	Psyllobora virgintiduopunctata	3	1	-1.236	-0.003	-0.257	0.7968	0.002	0.063	0.9500	3474	888
Belgium	Psyllobora virgintiduopunctata	3	2	-0.483	-0.021	-1.329	0.1837	0.033	0.724	0.4689	1419	571
Belgium	Psyllobora virgintiduopunctata	3	3	0.152	-0.021	-0.839	0.4014	0.006	0.090	0.9285	696	369
Britain	Psyllobora virgintiduopunctata	0	0	-10.054	-0.073	-0.928	0.3536	-0.818	-1.258	0.2082	23929	1898
Britain	Psyllobora virgintiduopunctata	0	1	-5.655	-0.114	-4.797	0.0000	-1.160	-4.624	0.0000	21885	1898
Britain	Psyllobora virgintiduopunctata	0	2	-1.462	-0.071	-9.889	0.0000	-0.309	-4.824	0.0000	6483	1523
Britain	Psyllobora virgintiduopunctata	0	3	-0.651	-0.050	-5.846	0.0000	-0.225	-3.465	0.0005	3343	1171
Britain	Psyllobora virgintiduopunctata	1	0	-10.054	-0.073	-0.928	0.3536	-0.818	-1.258	0.2082	23929	1898
Britain	Psyllobora virgintiduopunctata	1	1	-5.655	-0.114	-4.797	0.0000	-1.160	-4.624	0.0000	21885	1898
Britain	Psyllobora virgintiduopunctata	1	2	-1.462	-0.071	-9.889	0.0000	-0.309	-4.824	0.0000	6483	1523
Britain	Psyllobora virgintiduopunctata	1	3	-0.651	-0.050	-5.846	0.0000	-0.225	-3.465	0.0005	3343	1171
Britain	Psyllobora virgintiduopunctata	2	0	-8.907	-0.050	-0.592	0.5540	-0.661	-1.169	0.2425	13175	1242
Britain	Psyllobora virgintiduopunctata	2	1	-6.761	-0.109	-2.491	0.0127	-0.595	-2.051	0.0402	11621	1200
Britain	Psyllobora virgintiduopunctata	2	2	-1.191	-0.068	-5.939	0.0000	-0.211	-3.009	0.0026	3020	800
Britain	Psyllobora virgintiduopunctata	2	3	-0.489	-0.066	-3.736	0.0002	-0.222	-2.562	0.0104	1433	540
Britain	Psyllobora virgintiduopunctata	3	0	-8.176	-0.093	-1.133	0.2572	-0.792	-1.487	0.1370	7923	897
Britain	Psyllobora virgintiduopunctata	3	1	-9.832	-0.084	-0.597	0.5503	-1.282	-1.569	0.1166	6789	832
Britain	Psyllobora virgintiduopunctata	3	2	-1.030	-0.070	-4.269	0.0000	-0.285	-3.341	0.0008	1746	486
Britain	Psyllobora virgintiduopunctata	3	3	-0.388	-0.088	-2.921	0.0035	-0.219	-1.991	0.0465	803	306