Supporting information

Additional analyses.

Autocovariate regression

As an alternative approach to the GLMMs to account for possible spatial autocorrelation in model residuals[1], we modelled alien and native species numbers using generalized linear models (GLMs) including a spatial autocovariate based on the residuals of the corresponding non-spatial model[2]. Autocovariate terms were calculated using the function *autocov_dist* from the R-package *spdep*[3]. The appropriate neighbourhood distances (1000 km for plants, ants, reptiles; and 2000 km for mammals; e.g. Weigelt *et al.* [4]) were identified by plotting spline (cross-) correlograms using the function *spline.correlog* from the package *ncf*[5]. Since these models showed signs of overdispersion, we used quasi-Poisson GLMs with the canonical log link function. The results of these autocovariate regeressions match the results of the GLMMs showing even a higher significance for distance to the mainland for ants, mammals and particularly for reptiles (see Table S6). For alien birds the models could not be accepted following visual inspection of the model diagnostics. Therfore, we decided to exclude the autocovariate regression for birds.

Commodity imports and distance

It was not possible to obtain robust data on imported commodities for all the islands considered in the study. Thus, we analysed the effect of isolation on commodity imports for a subset of islands for which trade statistics were available from the Worldbank database[6]. The Worldbank data comprise information for the years 1988 onwards and for different commodity classes. In the analysis reported here, we used data for the year 2006 and including all commodity classes as it provided the most complete dataset including 31 islands and archipelagos (see Table S8). To analyse the effect of isolation on the amount of imports we applied a linear regression of log-transformed import values of all products as response against the distance to mainland and island area. To account for possible spatial autocorrelation in the model residuals[1], we included a spatial autocovariate based on the residuals of the corresponding non-spatial model[2]. The autocovariate term was calculated

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using the function *autocov_dist* from the R-package *spdep*[3]. The appropriate neighbourhood distance (1500 km) was identified by plotting spline (cross-) correlograms using the function *spline.correlog* from the package *ncf*[5]. To improve symmetry, linearity, and to stabilize variances, predictor variables were log-transformed and standardised prior to analyses. The results (Table S7) revealed a highly significant positive effect of area and a highly significant negative effect of distance. Hence, the Worldbank data provide evidence that the value of imports decreases significantly with increasing isolation of islands. These results were consistent for all other product classifications and years.

Table S1a: Generalized linear mixed effects models (GLMMs) of regressing species richness (either established alien, native or native + established alien species) against six predictor variables.

	Aliens			Natives			Native + alien		
Vascular plants	***Coefficient (±SE)***	***z-value***	***p-value***	***Coefficient (±SE)***	***z-value***	***p-value***	***Coefficient (±SE)***	***z-value***	***p-value***
Intercept	4.75(±0.07)	70.79	<0.001	5.22(±0.09)	58.20	<0.001	5.89(±0.07)	85.02	<0.001
Distance to mainland	**0.47(±0.08)**	**5.64**	**<0.001**	**-0.49(±0.09)**	**-5.46**	**<0.001**	**-0.17(±0.07)**	**-2.34**	**0.019**
Island area	0.68(±0.10)	6.89	<0.001	0.83(±0.07)	11.59	<0.001	0.80(±0.07)	11.86	<0.001
Elevational range	0.23(±0.09)	2.44	0.015	0.36(±0.09)	4.12	<0.001	0.31(±0.08)	4.10	<0.001
Mean annual temp.	-0.13(±0.08)	-1.69	0.091	-0.05(±0.07)	-0.70	0.487	-0.05(±0.06)	-0.87	0.384
Annual prec. sum	-0.03(±0.07)	-0.47	0.639	0.35(±0.07)	5.25	<0.001	0.25(±0.06)	4.48	<0.001
Per-capita GDP	0.45(±0.07)	6.14	<0.001	0.08(±0.05)	1.58	0.115	0.21(±0.05)	4.50	<0.001
Ants									
Intercept	2.64(±0.08)	33.95	<0.001	2.83(±0.26)	10.80	<0.001	3.78(±0.25)	15.41	<0.001
Distance to mainland	**0.27(±0.08)**	**3.46**	**0.001**	**-0.57(±0.14)**	**-4.15**	**<0.001**	**-0.05(±0.09)**	**-0.59**	**0.554**
Island area	0.28(±0.09)	3.05	0.002	0.92(±0.15)	5.95	<0.001	0.64(±0.11)	6.05	<0.001
Elevational range	0.21(±0.10)	2.03	0.042	0.16(±0.17)	0.93	0.350	0.16(±0.11)	1.43	0.153
Mean annual temp.	0.01(±0.08)	0.09	0.929	0.22(±0.13)	1.63	0.104	0.02(±0.08)	0.24	0.811
Annual prec. sum	0.07(±0.07)	0.97	0.333	0.43(±0.12)	3.53	<0.001	0.26(±0.08)	3.41	0.001
Per-capita GDP	0.20(±0.06)	3.14	0.002	0.13(±0.11)	1.17	0.241	0.10(±0.07)	1.40	0.162
Mammals									
Intercept	1.54(±0.07)	22.72	<0.001	0.74(±0.15)	4.84	<0.001	2.03(±0.08)	25.38	<0.001
Distance to mainland	**0.14(±0.06)**	**2.25**	**0.024**	**-0.48(±0.11)**	**-4.33**	**<0.001**	**-0.18(±0.06)**	**-2.96**	**0.003**
Island area	0.42(±0.09)	4.80	<0.001	0.66(±0.10)	6.92	<0.001	0.59(±0.07)	8.11	<0.001
Elevational range	0.21(±0.11)	1.98	0.048	0.29(±0.13)	2.23	0.025	0.19(±0.09)	2.19	0.029
Mean annual temp.	0.10(±0.07)	1.35	0.175	0.13(±0.11)	1.10	0.273	0.12(±0.07)	1.73	0.084
Annual prec. sum	0.02(±0.06)	0.36	0.722	0.08(±0.09)	0.89	0.371	0.05(±0.06)	0.92	0.355
Per-capita GDP	0.23(±0.06)	3.96	<0.001	0.10(±0.07)	1.37	0.169	0.20(±0.05)	3.97	<0.001
Reptiles									
Intercept	1.11(±0.12)	9.52	<0.001	2.65(±0.11)	24.08	<0.001	2.95(±0.07)	42.36	<0.001
Distance to mainland	**0.22(±0.11)**	**1.97**	**0.049**	**-0.25(±0.10)**	**-2.64**	**0.008**	**-0.08(±0.07)**	**-1.22**	**0.222**
Island area	0.33(±0.14)	2.36	0.018	0.70(±0.10)	7.01	<0.001	0.68(±0.08)	8.48	<0.001
Elevational range	0.06(±0.15)	0.41	0.682	0.08(±0.10)	0.78	0.435	0.07(±0.08)	0.85	0.393
Mean annual temp.	-0.08(±0.11)	-0.72	0.473	0.37(±0.09)	4.09	<0.001	0.21(±0.07)	3.15	0.002
Annual prec. sum	0.11(±0.11)	1.03	0.304	0.01(±0.08)	0.07	0.944	0.06(±0.06)	0.99	0.322
Per-capita GDP	0.27(±0.09)	3.08	0.002	-0.01(±0.06)	-0.17	0.863	0.07(±0.05)	1.37	0.170
Birds									
Intercept	1.57(±0.12)	13.09	<0.001	4.21(±0.13)	31.38	<0.001	4.32(±0.12)	35.37	<0.001

Distance to mainland	**0.08(±0.13)**	**0.58**	**0.564**	**-0.32(±0.07)**	**-4.61**	**<0.001**	**-0.25(±0.06)**	**-4.18**	**<0.001**
Island area	0.65(±0.13)	4.88	<0.001	0.37(±0.06)	6.38	<0.001	0.43(±0.05)	7.95	<0.001
Elevational range	-0.12(±0.12)	-0.99	0.321	0.02(±0.05)	0.47	0.638	0.01(±0.05)	0.11	0.912
Mean annual temp.	-0.31(±0.09)	-3.29	0.001	0.08(±0.05)	1.81	0.070	0.01(±0.04)	0.37	0.711
Annual prec. sum	0.07(±0.10)	0.73	0.465	0.09(±0.04)	2.15	0.031	0.09(±0.04)	2.30	0.022
Per-capita GDP	0.23(±0.08)	2.76	0.006	-0.01(±0.03)	-0.43	0.667	0.02(±0.03)	0.69	0.491

Table S1b: Generalized linear mixed effects models (GLMMs) of regressing species richness (either alien, native or native + alien species) against six predictor variables. Distance to mainland includes main islands of Malay Archipelago.

	Alien			Native			Native + alien		
Vascular plants	***Coefficient (±SE)***	***z-value***	***p-value***	***Coefficient (±SE)***	***z-value***	***p-value***	***Coefficient (±SE)***	***z-value***	***p-value***
Intercept	4.75(±0.07)	71.48	<0.001	5.21(±0.09)	57.49	<0.001	5.89(±0.07)	86.08	<0.001
Distance to mainland	**0.47(±0.08)**	**5.66**	**<0.001**	**-0.48(±0.09)**	**-5.37**	**<0.001**	**-0.16(±0.07)**	**-2.29**	**0.022**
Island area	0.68(±0.10)	6.98	<0.001	0.84(±0.07)	11.65	<0.001	0.80(±0.07)	11.89	<0.001
Elevational range	0.23(±0.09)	2.45	0.014	0.35(±0.09)	3.98	<0.001	0.31(±0.08)	4.05	<0.001
Mean annual temp.	-0.12(±0.07)	-1.60	0.110	-0.06(±0.07)	-0.81	0.419	-0.05(±0.06)	-0.89	0.374
Annual prec. sum	-0.03(±0.07)	-0.40	0.687	0.34(±0.07)	5.18	<0.001	0.25(±0.06)	4.50	<0.001
Per-capita GDP	0.45(±0.07)	6.18	<0.001	0.08(±0.05)	1.57	0.116	0.21(±0.05)	4.48	<0.001
Ants									
Intercept	2.63(±0.07)	35.21	<0.001	2.83(±0.26)	11.07	<0.001	3.78(±0.24)	15.59	<0.001
Distance to mainland	**0.28(±0.08)**	**3.61**	**<0.001**	**-0.62(±0.14)**	**-4.45**	**<0.001**	**-0.07(±0.09)**	**-0.78**	**0.438**
Island area	0.29(±0.09)	3.12	0.002	0.89(±0.15)	5.92	<0.001	0.63(±0.11)	5.99	<0.001
Elevational range	0.21(±0.10)	2.00	0.045	0.17(±0.16)	1.08	0.280	0.16(±0.11)	1.43	0.153
Mean annual temp.	0.01(±0.07)	0.17	0.869	0.20(±0.13)	1.56	0.120	0.02(±0.08)	0.20	0.844
Annual prec. sum	0.08(±0.07)	1.11	0.265	0.41(±0.12)	3.51	<0.001	0.26(±0.08)	3.46	0.001
Per-capita GDP	0.20(±0.06)	3.20	0.001	0.12(±0.11)	1.13	0.259	0.10(±0.07)	1.39	0.164
Mammals									
Intercept	1.54(±0.07)	22.42	<0.001	0.68(±0.18)	3.87	<0.001	2.02(±0.08)	24.26	<0.001
Distance to mainland	**0.13(±0.06)**	**2.06**	**0.040**	**-0.32(±0.13)**	**-2.54**	**0.011**	**-0.15(±0.06)**	**-2.35**	**0.019**
Island area	0.43(±0.09)	4.58	<0.001	0.74(±0.10)	7.65	<0.001	0.61(±0.07)	8.64	<0.001
Elevational range	0.19(±0.11)	1.64	0.100	0.31(±0.13)	2.34	0.019	0.19(±0.09)	2.14	0.033
Mean annual temp.	0.10(±0.07)	1.28	0.201	0.20(±0.12)	1.67	0.096	0.14(±0.07)	1.93	0.053
Annual prec. sum	0.02(±0.06)	0.39	0.694	0.02(±0.09)	0.26	0.793	0.03(±0.06)	0.53	0.600
Per-capita GDP	0.22(±0.06)	3.95	<0.001	0.07(±0.08)	0.89	0.375	0.18(±0.05)	3.70	<0.001
Reptiles									
Intercept	1.11(±0.12)	9.58	<0.001	2.64(±0.11)	24.54	<0.001	2.95(±0.07)	42.91	<0.001

Distance to mainland	**0.19(±0.11)**	**1.77**	**0.078**	**-0.27(±0.09)**	**-2.91**	**0.004**	**-0.10(±0.07)**	**-1.58**	**0.115**
Island area	0.32(±0.14)	2.28	0.023	0.70(±0.10)	7.10	<0.001	0.68(±0.08)	8.50	<0.001
Elevational range	0.07(±0.15)	0.45	0.655	0.07(±0.10)	0.72	0.471	0.06(±0.08)	0.80	0.422
Mean annual temp.	-0.07(±0.11)	-0.68	0.497	0.36(±0.09)	3.96	<0.001	0.21(±0.07)	3.02	0.002
Annual prec. sum	0.13(±0.10)	1.24	0.214	0.00(±0.08)	0.01	0.989	0.06(±0.06)	1.08	0.282
Per-capita GDP	0.27(±0.09)	3.13	0.002	-0.02(±0.06)	-0.28	0.777	0.06(±0.05)	1.32	0.186
Birds									
Intercept	1.57(±0.12)	13.10	<0.001	4.20(±0.13)	33.16	<0.001	4.31(±0.12)	36.97	<0.001
Distance to mainland	**0.08(±0.13)**	**0.62**	**0.538**	**-0.35(±0.07)**	**-4.99**	**<0.001**	**-0.28(±0.06)**	**-4.51**	**<0.001**
Island area	0.65(±0.13)	4.86	<0.001	0.35(±0.06)	6.02	<0.001	0.40(±0.05)	7.60	<0.001
Elevational range	-0.12(±0.12)	-1.00	0.316	0.04(±0.05)	0.70	0.482	0.01(±0.05)	0.30	0.762
Mean annual temp.	-0.31(±0.09)	-3.27	0.001	0.08(±0.04)	1.76	0.078	0.01(±0.04)	0.30	0.766
Annual prec. sum	0.07(±0.10)	0.76	0.445	0.08(±0.04)	1.89	0.059	0.08(±0.04)	2.08	0.038
Per-capita GDP	0.23(±0.08)	2.74	0.006	-0.01(±0.03)	-0.34	0.735	0.02(±0.03)	0.79	0.432

Table S1c: Generalized linear mixed effects models (GLMMs) of species richness of all introduced birds on 87 islands in response to six predictor variables.

	All introduced alien birds		
	Coefficient (±SE)	***z-value***	***p-value***
Intercept	2.02(±0.12)	17.22	<0.001
Distance to mainland	**0.12(±0.14)**	**0.86**	**0.388**
Island area	0.74(±0.15)	4.98	<0.001
Elevational range	-0.18(±0.13)	-1.35	0.178
Mean annual temp.	-0.34(±0.1)	-3.31	0.001
Annual prec. sum	-0.10(±0.11)	-0.89	0.372
Per-capita GDP	0.30(±0.09)	3.27	0.001

Table S2. Sensitivity analysis for the dependence of alien richness on island isolation in a multiple regression framework. Coefficients (95% confidence interval of 500 repeated runs) are reported for the richness isolation relationship when a given geographic region (based on TDWG level 2 classification) or less reliable sources have been excluded from the analysis. Excl. show the region excluded, N excl. gives the number of islands/sources excluded. For a more detailed description of the sensitivity analysis, see the methods section.

	Excl.	***N excl.***	***Coefficient***	
Vascular plants			***2.5%***	***97.5%***
	Australia	2	0.47	0.47
	Brazil	2	0.47	0.47
	Caribbean	18	0.41	0.42
	Eastern Asia	3	0.46	0.46
	Macaronesia	2	0.46	0.46
	Malesia	2	0.46	0.46
	Mexico	2	0.45	0.45
	Middle Atlantic Ocean	2	0.47	0.47
	New Zealand	1	0.46	0.46
	North-Central Pacific	3	0.47	0.47
	Northwestern Pacific	18	0.45	0.46
	Papuasia	1	0.47	0.47
	South-Central Pacific	22	0.54	0.55
	Southwestern Pacific	19	0.47	0.47
	West-Central Tropical Africa	2	0.43	0.43
	Western Asia	1	0.46	0.46
	Western Indian Ocean	8	0.47	0.47
	Western South America	1	0.47	0.47
	Source	1	0.46	0.47
Ants				
	Brazil	1	0.26	0.27
	Caribbean	22	0.33	0.36
	Eastern Asia	3	0.26	0.27
	Macaronesia	2	0.27	0.28
	Malesia	8	0.25	0.27
	Mexico	2	0.25	0.26
	Middle Atlantic Ocean	2	0.27	0.28
	New Zealand	1	0.26	0.27
	North-Central Pacific	3	0.25	0.26
	Northeast Tropical Africa	1	0.26	0.27
	Northwestern Pacific	7	0.27	0.29
	Papuasia	2	0.26	0.27
	South-Central Pacific	10	0.31	0.33
	Southwestern Pacific	11	0.26	0.28
	West-Central Tropical Africa	1	0.23	0.24
	Western Indian Ocean	11	0.24	0.26
	Western South America	2	0.26	0.27
	Source	0	-	-
Mammals				
	Australia	6	0.10	0.12
	Caribbean	56	0.13	0.15
	Macaronesia	9	0.15	0.18

Malesia	2	0.14	0.15
Mexico	1	0.14	0.14
Middle Atlantic Ocean	2	0.13	0.14
North-Central Pacific	9	0.15	0.16
Northeast Tropical Africa	1	0.14	0.14
Northwestern Pacific	3	0.13	0.14
Papuasia	3	0.14	0.15
South-Central Pacific	8	0.11	0.13
Southwestern Pacific	5	0.16	0.18
West-Central Tropical Africa	1	0.16	0.17
Western Indian Ocean	5	0.10	0.11
Western South America	14	0.13	0.15
Source	1	0.14	0.14
Reptiles			
Arabian Peninsula	1	0.20	0.22
Brazil	1	0.22	0.24
Caribbean	30	0.31	0.36
Eastern Asia	1	0.20	0.22
Macaronesia	2	0.21	0.24
Malesia	3	0.20	0.23
Mexico	1	0.20	0.22
Middle Atlantic Ocean	2	0.19	0.22
North-Central Pacific	1	0.15	0.18
Northeast Tropical Africa	1	0.21	0.23
Northwestern Pacific	5	0.17	0.21
Papuasia	1	0.20	0.23
South-Central Pacific	3	0.17	0.21
Southwestern Pacific	12	0.24	0.29
West-Central Tropical Africa	3	0.16	0.19
Western Indian Ocean	7	0.20	0.25
Western South America	1	0.21	0.23
Source	3	0.22	0.27

Table S3. Data sources for the predictor variables used in regression analyses.

Predictor	**Source(s)**
Socio-economic	
Per capita gross domestic product (GDP)	Worldbank[6]; United Nations Statistics Division[8]; Gennaioli et al.[9]
Human population density	HYDE-database [10]
Climatic	
Mean annual temperature	WorldClim: [11]
Mean annual precipitation sum	WorldClim: [11]
Environmental	
Island area	Geodetic area calculation in Arc GIS 10.2
Elevational range	Maximum height of the island based on SRTM [12] calculated in Arc GIS 10.2
Distance to the mainland	Weigelt *et al.* [13]
Biogeographic region	TDWG level 4: [14]

Table S4: Number of alien and native species per taxon and island. The identifiers in the column "source" correspond to the references listed in table S7.

Taxon	Region	Island	Richness		Source
			Alien	Native	
Ants	Brazil	Fernando de Noronha	5	2	47
Ants	Caribbean	Anguilla	9	14	47
Ants	Caribbean	Jamaica	20	93	47
Ants	Caribbean	Bonaire	7	4	47
Ants	Caribbean	Aruba	10	7	47
Ants	Caribbean	Puerto Rico	31	90	47
Ants	Caribbean	Antigua and Barbuda	18	26	47
Ants	Caribbean	Bahamas	25	83	47
Ants	Caribbean	British Virgin Islands	13	31	47
Ants	Caribbean	Cayman Islands	6	5	47
Ants	Caribbean	Cuba	28	192	47
Ants	Caribbean	Dominica	13	41	47
Ants	Caribbean	Dominican Republic	21	104	47
Ants	Caribbean	Grenada	16	71	47
Ants	Caribbean	Guadeloupe	21	57	47
Ants	Caribbean	Haiti	20	116	47
Ants	Caribbean	Martinique	16	34	47
Ants	Caribbean	Montserrat	14	21	47
Ants	Caribbean	Trinidad and Tobago	17	290	47
Ants	Caribbean	Turks and Caicos Islands	8	2	47
Ants	Caribbean	Virgin Islands. U.S.	24	44	47
Ants	Caribbean	Barbados	29	48	47
Ants	Caribbean	Curacao	14	13	47
Ants	Eastern Asia	Taiwan	19	286	47
Ants	Eastern Asia	Hainan	6	113	47
Ants	Eastern Asia	Okinawa	33	127	47
Ants	Macaronesia	Cape Verde	6	18	47

Ants	Macaronesia	Canary Islands (Spain)	23	58	47
Ants	Malesia	Lesser Sundas	9	96	47
Ants	Malesia	Christmas Island	22	24	47
Ants	Malesia	Cocos Islands	10	8	47
Ants	Malesia	Andaman Is.	7	60	47
Ants	Malesia	Bali	6	55	47
Ants	Malesia	Maluku	8	207	47
Ants	Malesia	Nicobar Is.	6	39	47
Ants	Malesia	Thousand Islands archipelago	6	19	206
Ants	Mexico	Revillagigedo Is.	1	4	47
Ants	Mexico	Clipperton Island	2	2	47
Ants	Middle Atlantic Ocean	St Helena	10	0	68
Ants	Middle Atlantic Ocean	Ascension Island	8	0	47
Ants	New Zealand	Kermadec Island	5	1	47
Ants	North-Central Pacific	Wake Island	7	0	122
Ants	North-Central Pacific	Hawaii (USA)	60	0	47
Ants	North-Central Pacific	Midway Atoll (Northwestern Hawaiian Islands)	14	0	47
Ants	North-Central Pacific	Johnston Island	4	0	47
Ants	Northeast Tropical Africa	Socotra	20	9	47
Ants	Northwestern Pacific	Guam	30	21	47
Ants	Northwestern Pacific	Marshall Islands	15	13	47
Ants	Northwestern Pacific	Micronesia	29	61	47
Ants	Northwestern Pacific	Northern Mariana Islands	25	24	47
Ants	Northwestern Pacific	Palau	27	57	47
Ants	Northwestern Pacific	Ogasawara-shoto	29	32	47
Ants	Papuasia	Solomon Islands	25	183	47
Ants	Papuasia	North Solomons	1	22	47
Ants	South-Central Pacific	Easter Island (Rapa Nui)	11	0	47
Ants	South-Central Pacific	Cook Islands	19	8	47
Ants	South-Central Pacific	Pitcairn Islands	9	1	47
Ants	South-Central Pacific	Kiribati Line Is.	15	9	47
Ants	South-Central Pacific	U.S. Line Is.	12	0	47

Ants	South-Central Pacific	Marquesas	27	7	47
Ants	South-Central Pacific	Society Is.	39	12	47
Ants	South-Central Pacific	Tuamotu	27	7	47
Ants	South-Central Pacific	Tubuai Is.	28	9	47
Ants	South-Central Pacific	Mangareva	20	0	206,206
Ants	Southwestern Pacific	Niue	16	15	47
Ants	Southwestern Pacific	Samoa	32	41	47
Ants	Southwestern Pacific	Tokelau	15	7	47
Ants	Southwestern Pacific	Tonga	24	27	47
Ants	Southwestern Pacific	Wallis and Futuna	16	18	47
Ants	Southwestern Pacific	Tuvalu	1	0	47
Ants	Southwestern Pacific	Fiji	29	123	47
Ants	Southwestern Pacific	Vanuatu	12	31	47
Ants	Southwestern Pacific	Norfolk Island	13	17	47
Ants	Southwestern Pacific	Gilbert Is.	11	6	47
Ants	Southwestern Pacific	Phoenix Is.	5	1	47
Ants	West-Central Tropical Africa	Sao Tome	3	29	47
Ants	Western Indian Ocean	Madagascar	44	698	47
Ants	Western Indian Ocean	Mauritius island	35	32	47
Ants	Western Indian Ocean	British Indian Ocean Territory	7	2	47
Ants	Western Indian Ocean	Comoros	28	63	47
Ants	Western Indian Ocean	Seychelles	44	45	47
Ants	Western Indian Ocean	Maldives	1	0	47
Ants	Western Indian Ocean	Sri Lanka	17	348	47
Ants	Western Indian Ocean	Reunion	34	17	47
Ants	Western Indian Ocean	Laccadive Is.	1	0	47
Ants	Western Indian Ocean	Mozambique Channel Is.	4	14	47
Ants	Western Indian Ocean	Rodrigues	24	7	47
Ants	Western South America	Galapagos (Ecuador)	39	33	47
Ants	Western South America	Costa Rica Isla del Coco	12	12	47
Mammals	Australia	Bathurst Island	5	19	29,85
Mammals	Australia	Trimouille Island	1	1	29,85

Mammals	Australia	Marchinbar Island	1	6	29,85
Mammals	Australia	Moa Island	4	7	29,85
Mammals	Australia	Badu Island	3	7	29,85
Mammals	Australia	Mabuaig Island	2	1	29,85
Mammals	Caribbean	Anguilla	2	5	13,85
Mammals	Caribbean	Jamaica	12	22	13,85
Mammals	Caribbean	Hispaniola	14	20	13,85
Mammals	Caribbean	Tobago	3	33	13,85
Mammals	Caribbean	La Loma	1	1	13,85
Mammals	Caribbean	Grenada	12	16	13,85
Mammals	Caribbean	Bonaire	3	5	13,85
Mammals	Caribbean	Carriacou	1	1	13,85
Mammals	Caribbean	Aruba	3	4	13,85
Mammals	Caribbean	Marie Galante	3	5	13,85
Mammals	Caribbean	La Desirade	1	0	13,85
Mammals	Caribbean	Antigua	11	8	13,85
Mammals	Caribbean	Beata	3	0	13,85
Mammals	Caribbean	Barbuda	11	7	13,85
Mammals	Caribbean	St. Croix	12	4	13,85
Mammals	Caribbean	Vieques	4	2	13,85
Mammals	Caribbean	St. Thomas	11	3	13,85
Mammals	Caribbean	Jost van Dyke	1	0	13,85
Mammals	Caribbean	Tortola	2	3	13,85
Mammals	Caribbean	Puerto Rico	15	13	13,85
Mammals	Caribbean	Anegada	10	0	13,85
Mammals	Caribbean	Grand Cayman	5	5	13,85
Mammals	Caribbean	Little Cayman	3	0	13,85
Mammals	Caribbean	Anclita	1	1	13,85
Mammals	Caribbean	Great Inagua	4	1	13,85
Mammals	Caribbean	Cayo Cantiles	1	1	13,85
Mammals	Caribbean	Middle Caicos	2	3	13,85
Mammals	Caribbean	Providenciales	2	0	13,85

Mammals	Caribbean	Isla de la Juventud	15	11	13,85
Mammals	Caribbean	Coco Chico	1	0	13,85
Mammals	Caribbean	Mayaguana	2	0	13,85
Mammals	Caribbean	Crooked	1	2	13,85
Mammals	Caribbean	New Providence	6	1	13,85
Mammals	Caribbean	Andros	1	2	13,85
Mammals	Caribbean	Grand Bahama	2	0	13,85
Mammals	Caribbean	Abaco	3	3	13,85
Mammals	Caribbean	British Virgin Islands	10	3	13,85
Mammals	Caribbean	Cayman Islands	5	5	13,85
Mammals	Caribbean	Cuba	26	35	67,85
Mammals	Caribbean	Dominica	11	12	13,85
Mammals	Caribbean	Guadeloupe	8	12	13,85
Mammals	Caribbean	Martinique	7	11	102,85
Mammals	Caribbean	Montserrat	3	10	13,85
Mammals	Caribbean	Saint Lucia	5	8	13,85
Mammals	Caribbean	Saint Vincent and the Grenadines	6	13	13,85
Mammals	Caribbean	Saint-Martin	6	4	13,85
Mammals	Caribbean	Turks and Caicos Islands	6	3	231,85
Mammals	Caribbean	Virgin Islands. U.S.	14	4	13,85
Mammals	Caribbean	Barbados	9	7	13,85
Mammals	Caribbean	Mona	6	1	13,85
Mammals	Caribbean	Gonave	4	4	13,85
Mammals	Caribbean	St. Eustatius	2	4	13,85
Mammals	Caribbean	Saba	2	0	13,85
Mammals	Caribbean	Saint Kitts	7	7	13,85
Mammals	Caribbean	Nevis	3	2	13,85
Mammals	Caribbean	Navassa	2	0	13,85
Mammals	Macaronesia	El Hierro	4	9	107,5
Mammals	Macaronesia	Gran Canaria	9	10	107,5
Mammals	Macaronesia	La Gomera	4	9	107,5
Mammals	Macaronesia	Tenerife	9	8	107,85

Mammals	Macaronesia	Fuerteventura	5	10	107,5
Mammals	Macaronesia	La Palma	6	12	107,5
Mammals	Macaronesia	Lanzarote	7	8	107,5
Mammals	Macaronesia	Sao Tiago	4	1	107,85
Mammals	Macaronesia	Cape Verde	8	9	74,6
Mammals	Malesia	Cocos Islands	1	0	85
Mammals	Malesia	Andaman Is.	11	15	211,85
Mammals	Mexico	Clipperton Island	1	0	102,85
Mammals	Middle Atlantic Ocean	St Helena	9	0	231,85
Mammals	Middle Atlantic Ocean	Ascension Island	6	0	231,85
Mammals	North-Central Pacific	Green (Kure)	1	2	8,85
Mammals	North-Central Pacific	Kaho'olawe	5	1	8,85
Mammals	North-Central Pacific	Lana'i	9	1	8,85
Mammals	North-Central Pacific	Maui	10	2	8,85
Mammals	North-Central Pacific	Moloka'i	11	2	8,85
Mammals	North-Central Pacific	O'ahu	11	2	8,85
Mammals	North-Central Pacific	Ni'ihau	3	1	8,85
Mammals	North-Central Pacific	Kaua'i	10	2	8,85
Mammals	North-Central Pacific	Hawaii (USA)	16	2	63,85
Mammals	Northeast Tropical Africa	Socotra	10	2	105,85
Mammals	Northwestern Pacific	Guam	8	1	22,85
Mammals	Northwestern Pacific	Marshall Islands	7	0	70,85
Mammals	Northwestern Pacific	Palau	7	2	70,85
Mammals	Papuasia	Darnley Island	3	0	29,85
Mammals	Papuasia	Saibai Island	4	3	29,85
Mammals	Papuasia	Boigu Island	3	4	29,85
Mammals	South-Central Pacific	Maæuke	7	0	54,85
Mammals	South-Central Pacific	French Polynesia	11	1	102,85
Mammals	South-Central Pacific	Aitutaki	2	0	54,85
Mammals	South-Central Pacific	Atiu	6	0	54,85
Mammals	South-Central Pacific	Mangaia	4	1	54,85
Mammals	South-Central Pacific	Manuae	1	0	54,85

Mammals	South-Central Pacific	Mitiaro	4	0	54,85
Mammals	South-Central Pacific	Rarotonga	10	1	54,85
Mammals	Southwestern Pacific	Penrhyn	4	0	54,85
Mammals	Southwestern Pacific	Niue	6	1	258,85
Mammals	Southwestern Pacific	Samoa	5	2	65,85
Mammals	Southwestern Pacific	Fiji	5	6	218,85
Mammals	Southwestern Pacific	Norfolk Island	4	2	54,85
Mammals	West-Central Tropical Africa	Sao Tome and Principe	14	7	33,85
Mammals	Western Indian Ocean	Mauritius island	10	3	105,85
Mammals	Western Indian Ocean	Mayotte	6	1	102,85
Mammals	Western Indian Ocean	Sri Lanka	5	91	106,85
Mammals	Western Indian Ocean	Reunion	8	2	102,85
Mammals	Western Indian Ocean	Aldabra	2	3	3,85
Mammals	Western South America	Espanola	0	0	15,85
Mammals	Western South America	Floreana	10	1	15,85
Mammals	Western South America	San Cristobal	12	1	15,85
Mammals	Western South America	Pinzon	1	0	15,85
Mammals	Western South America	Santa Cruz	12	1	15,85
Mammals	Western South America	Fernandina	1	3	15,85
Mammals	Western South America	Santiago	3	2	15,85
Mammals	Western South America	Isabela	11	2	15,85
Mammals	Western South America	Tower	0	0	15,85
Mammals	Western South America	Marchena	1	1	15,85
Mammals	Western South America	Santa Fe	0	1	15,85
Mammals	Western South America	Pinta	0	1	15,85
Mammals	Western South America	Galapagos (Ecuador)	13	6	89,85
Mammals	Western South America	Costa Rica Isla del Coco	5	2	73,82,85
Plants	Australia	Ashmore Reef	6	23	94
Plants	Australia	West Wallabi Island	24	72	110
Plants	Brazil	Kiribati	174	66	28
Plants	Brazil	Trindade and Martin Vaz	65	51	4
Plants	Caribbean	Anguilla	29	120	1,226

Plants	Caribbean	Jamaica	23	3304	91,11
Plants	Caribbean	Aruba	32	460	229,241
Plants	Caribbean	Puerto Rico	795	2538	12
Plants	Caribbean	Bahamas	356	1111	12
Plants	Caribbean	Cayman Islands	218	539	1,96
Plants	Caribbean	Cuba	542	6498	113,96
Plants	Caribbean	Dominica	81	1226	1
Plants	Caribbean	Grenada	24	1068	1
Plants	Caribbean	Martinique	144	1505	1,99
Plants	Caribbean	Montserrat	191	700	203
Plants	Caribbean	Saint Lucia	206	1100	1
Plants	Caribbean	Barbados	91	572	1
Plants	Caribbean	Virgin Island	284	1060	12
Plants	Caribbean	Saint Vincent	81	1134	1
Plants	Caribbean	Martinique & Guadeloupe	360	1668	1
Plants	Caribbean	Saint Kitts	37	659	1,99
Plants	Caribbean	Navassa	30	147	12
Plants	Eastern Asia	Taiwan	607	3875	242,222
Plants	Eastern Asia	Hainan	244	3046	235,99
Plants	Eastern Asia	Okinawa	186	115	104
Plants	Macaronesia	Cape Verde	740	757	2,228,241
Plants	Macaronesia	Canary Islands (Spain)	548	1300	2,228,239
Plants	Malesia	Christmas Island	176	209	32,99,221
Plants	Malesia	Cocos (Keeling) Islands	56	65	219,221
Plants	Mexico	Socorro	47	116	233,99
Plants	Mexico	Clipperton Island	8	14	207,99
Plants	Middle Atlantic Ocean	St Helena	252	60	100,7
Plants	Middle Atlantic Ocean	Ascension Island	157	25	45,7
Plants	New Zealand	Kermadec Island	88	116	217
Plants	North-Central Pacific	Hawaii (USA)	1488	1586	83,12
Plants	North-Central Pacific	Midway Atoll (Northwestern Hawaiian Islands)	120	29	83,52
Plants	North-Central Pacific	Johnston Island	24	3	39,39

Plants	Northwestern Pacific	Guam	833	420	118
Plants	Northwestern Pacific	Marshall Islands	285	86	24,24
Plants	Northwestern Pacific	Micronesia	383	1194	28,241
Plants	Northwestern Pacific	Rota	239	284	118
Plants	Northwestern Pacific	Sarigan	40	94	118,99
Plants	Northwestern Pacific	Saipan	231	251	118
Plants	Northwestern Pacific	Tinian	214	182	118
Plants	Northwestern Pacific	Northern Mariana Islands	298	420	24,24
Plants	Northwestern Pacific	Ailinginae Atoll	8	21	202
Plants	Northwestern Pacific	Eniwetok	50	41	213
Plants	Northwestern Pacific	Majuro Atoll	17	56	230,99
Plants	Northwestern Pacific	Rongelap Atoll	35	27	202
Plants	Northwestern Pacific	Alamagan	71	123	118
Plants	Northwestern Pacific	Agrihan	69	113	118
Plants	Northwestern Pacific	Asuncion Island	16	62	118
Plants	Northwestern Pacific	Aguijan	33	55	118
Plants	Northwestern Pacific	Anatahan	54	100	118
Plants	Northwestern Pacific	Pagan	101	136	118
Plants	Papuasia	Solomon Islands	200	3200	240,96
Plants	South-Central Pacific	Easter Island (Rapa Nui)	68	43	208
Plants	South-Central Pacific	Cook Islands	401	284	28
Plants	South-Central Pacific	French Polynesia	560	959	38,241
Plants	South-Central Pacific	Northern Line Islands (Kiribati)	41	35	237
Plants	South-Central Pacific	Kiritimati	49	41	237,99
Plants	South-Central Pacific	Tabueran	94	26	237
Plants	South-Central Pacific	Teraina	63	26	237
Plants	South-Central Pacific	Raivavae	267	166	38
Plants	South-Central Pacific	Rimatara	192	80	38
Plants	South-Central Pacific	Tubuai	304	165	38,99
Plants	South-Central Pacific	Pitcairn Islands: Henderson Island	7	63	38
Plants	South-Central Pacific	Eiao	62	46	10,99
Plants	South-Central Pacific	Fatu Hiva	303	175	10,99

Plants	South-Central Pacific	Hatutaa	29	28	10,99
Plants	South-Central Pacific	Hiva Oa	430	205	10,99
Plants	South-Central Pacific	Mohotani	49	35	10,99
Plants	South-Central Pacific	Nuku Hiva (Marquesas Islands)	569	254	10,99
Plants	South-Central Pacific	Tahuata	148	85	10
Plants	South-Central Pacific	Ua Huka	314	97	10,99
Plants	South-Central Pacific	Ua Pou	270	90	10,99
Plants	Southwestern Pacific	Penrhyn	107	33	227,38
Plants	Southwestern Pacific	American Samoa	236	471	251,241
Plants	Southwestern Pacific	Niue	307	175	240,216
Plants	Southwestern Pacific	Samoa	321	550	238
Plants	Southwestern Pacific	Tonga	301	451	28,243
Plants	Southwestern Pacific	Nauru	368	60	220
Plants	Southwestern Pacific	Fiji	521	1769	40,50
Plants	Southwestern Pacific	Norfolk Island	271	171	46
Plants	Southwestern Pacific	Ofu	86	218	251
Plants	Southwestern Pacific	Olosega	33	223	251
Plants	Southwestern Pacific	Tau	131	338	251
Plants	Southwestern Pacific	Tutuila	177	399	251
Plants	Southwestern Pacific	Canton	47	24	214,214
Plants	Southwestern Pacific	Enderbury	6	19	214,99
Plants	Southwestern Pacific	Hull	21	23	214,214
Plants	Southwestern Pacific	Sydney	11	18	214,214
Plants	Southwestern Pacific	Lakeba	109	183	40
Plants	Southwestern Pacific	Nayau	96	177	40
Plants	Southwestern Pacific	Rotuma	236	277	108
Plants	West-Central Tropical Africa	Sao Tome	30	700	37,2
Plants	West-Central Tropical Africa	Principe	19	300	37,2
Plants	Western Asia	Hormoz and Qeshm	49	230	234
Plants	Western Indian Ocean	Madagascar	12000	517	120,121
Plants	Western Indian Ocean	Mauritius island	731	887	101,215
Plants	Western Indian Ocean	Seychelles	165	222	247,204

Plants	Western Indian Ocean	Sri Lanka	365	3368	209,99
Plants	Western Indian Ocean	Reunion	628	915	240,55
Plants	Western Indian Ocean	Laccadive Is.	28	348	84
Plants	Western Indian Ocean	Rodrigues	305	154	2,215,228
Plants	Western Indian Ocean	Diego Garcia	130	36	250
Plants	Western South America	Galapagos (Ecuador)	263	552	48,86
Reptiles	Arabian Peninsula	Bahrain	2	15	225,9
Reptiles	Brazil	Kiribati	2	13	57,245
Reptiles	Caribbean	Anguilla	3	12	17,36
Reptiles	Caribbean	Jamaica	1	40	17
Reptiles	Caribbean	Grenada	5	14	17,41,51,69
Reptiles	Caribbean	Antigua	2	10	17,26
Reptiles	Caribbean	Barbuda	0	8	17,26
Reptiles	Caribbean	Puerto Rico	4	52	17,90
Reptiles	Caribbean	Bonaire. Saint Eustatius and Saba	1	7	17,23
Reptiles	Caribbean	British Virgin Islands	1	23	17,36
Reptiles	Caribbean	Cayman Islands	7	22	17,35
Reptiles	Caribbean	Cuba	5	150	17,
Reptiles	Caribbean	Dominica	4	13	17,255
Reptiles	Caribbean	Dominican Republic	5	111	17,
Reptiles	Caribbean	Guadeloupe	4	19	17
Reptiles	Caribbean	Haiti	2	120	17
Reptiles	Caribbean	Martinique	3	12	102,14
Reptiles	Caribbean	Montserrat	1	9	17,36
Reptiles	Caribbean	Saint Lucia	4	16	17
Reptiles	Caribbean	Saint Vincent and the Grenadines	6	12	17
Reptiles	Caribbean	Saint-Bartholemy	5	11	17,117
Reptiles	Caribbean	Saint-Martin	3	13	17,248
Reptiles	Caribbean	Sint Maarten	3	13	17,248
Reptiles	Caribbean	Trinidad and Tobago	4	67	61,111
Reptiles	Caribbean	Turks and Caicos Islands	1	12	17,36
Reptiles	Caribbean	Virgin Islands. U.S.	2	24	17,

Reptiles	Caribbean	Barbados	3	9	17,223
Reptiles	Caribbean	Saint Kitts	1	8	17
Reptiles	Caribbean	Curacao	1	8	23,117
Reptiles	Caribbean	Nevis	0	8	17
Reptiles	Eastern Asia	Taiwan	7	95	210,31
Reptiles	Macaronesia	Cape Verde	3	24	232,6
Reptiles	Macaronesia	Canary Islands (Spain)	7	33	116,5
Reptiles	Malesia	Christmas Island	6	6	66
Reptiles	Malesia	East Timor	4	26	92
Reptiles	Malesia	Cocos Islands	3	2	19,19
Reptiles	Mexico	Clipperton Island	1	3	21,93,245
Reptiles	Middle Atlantic Ocean	St Helena	3	3	36
Reptiles	Middle Atlantic Ocean	Ascension Island	4	4	36
Reptiles	North-Central Pacific	Hawaii (USA)	25	0	112,245,77
Reptiles	Northeast Tropical Africa	Socotra	1	30	98,119
Reptiles	Northwestern Pacific	Guam	6	16	95,95
Reptiles	Northwestern Pacific	Marshall Islands	4	18	53,245
Reptiles	Northwestern Pacific	Micronesia	5	27	95,245
Reptiles	Northwestern Pacific	Palau	4	36	25,245
Reptiles	Papuasia	Solomon Islands	4	81	109
Reptiles	South-Central Pacific	Easter Island (Rapa Nui)	4	2	56,245
Reptiles	South-Central Pacific	Cook Islands	14	6	54,245
Reptiles	South-Central Pacific	Pitcairn Islands	1	3	44,36
Reptiles	Southwestern Pacific	Penrhyn	6	0	54
Reptiles	Southwestern Pacific	American Samoa	2	12	65,49
Reptiles	Southwestern Pacific	Niue	1	10	16,245
Reptiles	Southwestern Pacific	Samoa	1	22	36,245
Reptiles	Southwestern Pacific	Tokelau	0	6	75
Reptiles	Southwestern Pacific	Tonga	4	24	246,245
Reptiles	Southwestern Pacific	Wallis and Futuna	1	12	102,43
Reptiles	Southwestern Pacific	Tuvalu	0	14	103,245
Reptiles	Southwestern Pacific	Nauru	1	9	224,245

Reptiles	Southwestern Pacific	Fiji	3	32	245
Reptiles	Southwestern Pacific	Vanuatu	3	37	64,245
Reptiles	Southwestern Pacific	Norfolk Island	1	2	59,20
Reptiles	West-Central Tropical Africa	Sao Tome and Principe	1	23	87,76
Reptiles	Western Indian Ocean	Mauritius island	15	13	71,60
Reptiles	Western Indian Ocean	British Indian Ocean Territory	3	3	36
Reptiles	Western Indian Ocean	Comoros	7	16	205,34
Reptiles	Western Indian Ocean	Mayotte	1	18	102,62
Reptiles	Western Indian Ocean	Seychelles	5	29	58,42
Reptiles	Western Indian Ocean	Maldives	2	5	30
Reptiles	Western Indian Ocean	Reunion	13	5	212,80
Reptiles	Western South America	Galapagos (Ecuador)	4	49	72,88
Birds	Arabian Peninsula	Bahrain	13	94	261,262
Birds	Brazil	Kiribati	5	52	261,262
Birds	Caribbean	Anguilla	4	82	261,262
Birds	Caribbean	Antigua	4	80	261,262
Birds	Caribbean	Aruba	3	68	261,262
Birds	Caribbean	Bahamas	17	195	261,262
Birds	Caribbean	Barbados	7	99	261,262
Birds	Caribbean	Barbuda	2	78	261,262
Birds	Caribbean	Bonaire	1	71	261,262
Birds	Caribbean	Cayman Islands	7	128	261,262
Birds	Caribbean	Cuba	17	222	261,262
Birds	Caribbean	Dominica	4	105	261,262
Birds	Caribbean	Dominican Republic	16	187	261,262
Birds	Caribbean	Haiti	10	186	261,262
Birds	Caribbean	Jamaica	14	168	261,262
Birds	Caribbean	Montserrat	3	76	261,262
Birds	Caribbean	Puerto Rico	49	155	261,262
Birds	Caribbean	Saba	1	42	261,262
Birds	Caribbean	Saint Kitts and Nevis	2	72	261,262
Birds	Caribbean	Saint Lucia	3	92	261,262

Birds	Caribbean	Saint Vincent	1	87	261,262
Birds	Caribbean	Sint Maarten	2	73	261,262
Birds	Caribbean	The Grenadines	6	70	261,262
Birds	Caribbean	Tortola	2	110	261,262
Birds	Caribbean	Trinidad and Tobago	17	338	261,262
Birds	Caribbean	Turks and Caicos Islands	4	126	261,262
Birds	Eastern Asia	Hainan	1	281	261,262
Birds	Eastern Asia	Okinawa	5	108	261,262
Birds	Eastern Asia	Taiwan	1	278	261,262
Birds	Macaronesia	Canary Islands (Spain)	16	110	261,262
Birds	Macaronesia	Cape Verde	7	53	261,262
Birds	Malesia	Cocos (Keeling) Islands	4	15	261,262
Birds	Malesia	Maluku	14	339	261,262
Birds	Middle Atlantic Ocean	Ascension Island	6	17	261,262
Birds	Middle Atlantic Ocean	St Helena	14	16	261,262
Birds	New Zealand	Kermadec Island	6	49	261,262
Birds	North-Central Pacific	Hawaii (USA)	104	79	261,262
Birds	North-Central Pacific	Midway Atoll (Northwestern Hawaiian Islands)	3	33	261,262
Birds	Northeast Tropical Africa	Socotra	1	76	261,262
Birds	Northwestern Pacific	Aguijan	2	42	261,262
Birds	Northwestern Pacific	Guam	9	36	261,262
Birds	Northwestern Pacific	Marshall Islands	4	40	261,262
Birds	Northwestern Pacific	Micronesia	6	74	261,262
Birds	Northwestern Pacific	Northern Mariana Islands	4	57	261,262
Birds	Northwestern Pacific	Palau	8	61	261,262
Birds	Northwestern Pacific	Rota	6	34	261,262
Birds	Northwestern Pacific	Saipan	4	46	261,262
Birds	Northwestern Pacific	Tinian	3	41	261,262
Birds	Papuasia	Solomon Islands	2	238	261,262
Birds	South-Central Pacific	Bora Bora	4	35	261,262
Birds	South-Central Pacific	Cook Islands	4	40	261,262
Birds	South-Central Pacific	Easter Island (Rapa Nui)	5	20	261,262

Birds	South-Central Pacific	French Polynesia	10	79	261,262
Birds	South-Central Pacific	Huahine	3	34	261,262
Birds	South-Central Pacific	Mohotani	1	40	261,262
Birds	South-Central Pacific	Moorea	7	37	261,262
Birds	South-Central Pacific	Raiatea	6	34	261,262
Birds	South-Central Pacific	Raivavae	1	26	261,262
Birds	South-Central Pacific	Rurutu	1	28	261,262
Birds	South-Central Pacific	Tahaa	1	34	261,262
Birds	South-Central Pacific	Tahiti	16	41	261,262
Birds	South-Central Pacific	Tahuata	1	42	261,262
Birds	South-Central Pacific	Tetiaroa	1	34	261,262
Birds	South-Central Pacific	Tubuai	2	27	261,262
Birds	South-Central Pacific	Ua Huka	3	42	261,262
Birds	Southwestern Pacific	American Samoa	1	47	261,262
Birds	Southwestern Pacific	Fiji	13	98	261,262
Birds	Southwestern Pacific	Nauru	1	27	261,262
Birds	Southwestern Pacific	Norfolk Island	11	46	261,262
Birds	Southwestern Pacific	Samoa	6	59	261,262
Birds	Southwestern Pacific	Tonga	7	53	261,262
Birds	Southwestern Pacific	Tutuila	3	43	261,262
Birds	West-Central Tropical Africa	Principe	2	54	261,262
Birds	West-Central Tropical Africa	Sao Tome	9	62	261,262
Birds	Western Indian Ocean	Aldabra	1	40	261,262
Birds	Western Indian Ocean	Assumption	2	26	261,262
Birds	Western Indian Ocean	Comoros	11	69	261,262
Birds	Western Indian Ocean	Cosmoledo	1	29	261,262
Birds	Western Indian Ocean	Diego Garcia	4	20	261,262
Birds	Western Indian Ocean	La Digue	5	42	261,262
Birds	Western Indian Ocean	Maldives	4	61	261,262
Birds	Western Indian Ocean	Mauritius island	31	33	261,262
Birds	Western Indian Ocean	Reunion	27	33	261,262
Birds	Western Indian Ocean	Seychelles	17	69	261,262

Birds	Western Indian Ocean	Silhouette	1	38	261,262
Birds	Western Indian Ocean	Sri Lanka	4	340	261,262
Birds	Western South America	Galapagos (Ecuador)	4	105	261,262

Table S5. Sources for species richness values.

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Table S6. Generalized linear models (GLMs) of regressing species richness (alien, native) against six predictor variables including an autocovariate term to account for spatial autocorrelation.

	Alien			Native		
	Coefficient (±SE)	***z-value***	***p-value***	***Coefficient (±SE)***	***z-value***	***p-value***
Vascular plants						
Intercept	5.02(±0.08)	66.71	<0.001	5.32(±0.07)	74.62	<0.001
Distance to mainland	**0.39(±0.07)**	**5.72**	**<0.001**	**-0.20(±0.05)**	**-4.12**	**<0.001**
Island area	0.65(±0.08)	7.82	<0.001	1.01(±0.05)	20.03	<0.001
Elevational range	0.12(±0.10)	1.18	0.239	0.33(±0.09)	3.84	<0.001
Mean annual temp.	-0.08(±0.06)	-1.36	0.175	-0.01(±0.05)	-0.24	0.810
Annual prec. sum	-0.07(±0.06)	-1.19	0.237	0.24(±0.04)	5.37	<0.001
Per-capita GDP	0.38(±0.07)	5.60	<0.001	-0.05(±0.05)	-0.96	0.339
Auto-covariate	0.00(±0.00)	0.70	0.488	0.00(±0.00)	6.55	<0.001
Ants						
Intercept	2.67(±0.06)	43.38	<0.001	3.03(±0.12)	25.77	<0.001
Distance to mainland	**0.29(±0.07)**	**4.35**	**<0.001**	**-0.54(±0.10)**	**-5.27**	**<0.001**
Island area	0.30(±0.09)	3.45	0.001	1.14(±0.12)	9.77	<0.001
Elevational range	0.17(±0.10)	1.70	0.094	-0.10(±0.14)	-0.70	0.488
Mean annual temp.	0.01(±0.07)	0.09	0.929	0.06(±0.10)	0.59	0.555
Annual prec. sum	0.10(±0.07)	1.50	0.137	0.43(±0.09)	4.87	<0.001
Per-capita GDP	0.18(±0.06)	2.90	0.005	0.10(±0.10)	0.96	0.342
Auto-covariate	0.03(±0.01)	3.25	0.002	0.01(±0.01)	1.65	0.103
Mammals						
Intercept	1.60(±0.06)	27.21	<0.001	0.89(±0.09)	10.33	<0.001
Distance to mainland	**0.10(±0.06)**	**1.86**	**0.066**	**-0.61(±0.06)**	**-10.93**	**<0.001**
Island area	0.33(±0.07)	4.49	<0.001	0.54(±0.08)	7.12	<0.001
Elevational range	0.29(±0.09)	3.28	0.001	0.43(±0.11)	3.83	<0.001
Mean annual temp.	0.14(±0.07)	2.11	0.037	0.04(±0.07)	0.57	0.573
Annual prec. sum	0.02(±0.06)	0.39	0.699	0.16(±0.07)	2.45	0.016
Per-capita GDP	0.22(±0.06)	3.86	<0.001	0.08(±0.08)	1.03	0.306
Auto-covariate	-0.01(±0.01)	-0.92	0.359	0.04(±0.01)	4.21	<0.001
Reptiles						
Intercept	1.28(±0.11)	12.14	<0.001	2.73(±0.07)	37.02	<0.001
Distance to mainland	**0.24(±0.10)**	**2.30**	**0.025**	**-0.21(±0.07)**	**-2.82**	**0.006**
Island area	0.30(±0.13)	2.27	0.027	0.94(±0.08)	11.56	<0.001
Elevational range	0.11(±0.15)	0.72	0.472	0.03(±0.10)	0.25	0.800
Mean annual temp.	-0.11(±0.11)	-0.99	0.326	0.30(±0.08)	3.53	0.001
Annual prec. sum	0.07(±0.11)	0.69	0.492	0.11(±0.07)	1.60	0.114
Per-capita GDP	0.24(±0.09)	2.59	0.012	0.04(±0.07)	0.54	0.594
Auto-covariate	0.04(±0.02)	2.04	0.045	-0.05(±0.02)	-2.61	0.011

Table S7: Linear model of regressing the value of imported products against the area and distance to mainland.

	Coefficient (±SE)	*t-value*	*p-value*
Intercept	6.50(±0.24)	26.95	<0.001
Distance to mainland	**-0.83(±0.25)**	**-3.27**	**0.003**
Island area	0.91(±0.22)	4.29	<0.001
Auto-covariate	0.04(±0.12)	0.34	0.739

Table S8: Wordbank import statistics for 31 islands and archipelagos.

Island	**Imports of all products in 2006 in Mil. US$**	**Distance km**	**Area km^2**
Aruba	1041	27	182
Antigua and Barbuda	671	685	436
The Bahamas	2984	86	13388
Bahrain	8957	1	665
Barbados	1629	359	435
Comoros	101	297	1673
Cape Verde	538	570	4091
Cuba	10174	199	110731
Dominica	167	499	754
Dominican Republic	8422	554	48106
Fiji	1804	2628	18600
Micronesia, Federated States	138	1874	775
Grenada	299	139	360
Jamaica	5041	615	11000
Kiribati	62	3084	1012
St. Kitts and Nevis	250	702	267
St. Lucia	592	345	614
Sri Lanka	9773	23	65837
Madagascar	1760	371	591446
Maldives	927	426	300
Mauritius	3643	1852	1868
French Polynesia	1547	4753	4053
Solomon Islands	232	1392	28448
Sao Tome and Principe	71	217	1002
Seychelles	757	631	494
Tonga	117	3102	763
Trinidad and Tobago	6478	13	5159
Tuvalu	13	3227	42
St. Vincent and the Grenadines	271	210	398
Vanuatu	159	1787	12358
Samoa	275	3807	2853

Table S9: Overview on the datasets used. For all datasets global and regional (following the TDWG level 2 classification) coverage are given. Additional number of continental and oceanic islands and information on the distance to the mainland distribution (in km) are provided.

	Vascular plants	Ants	Mammals	Reptiles	Birds
No. islands	108	89	125	75	87
Continental islands	11	14	21	10	15
Oceanic islands	97	75	104	65	72
Min. distance to mainland	6.20	13.18	23.49	1.37	1.36
Max. distance to mainland	5824.76	5710.06	5471.75	5471.75	5915.07
Median distance to mainland	2652.56	927.45	743.60	788.14	2012.76
Arabian Peninsula	0	0	0	1	1
Australia	2	0	6	0	0
Brazil	2	1	0	1	1
Caribbean	18	22	56	30	24
Eastern Asia	3	3	0	1	3
Macaronesia	2	2	9	2	2
Malesia	2	8	2	3	2
Mexico	2	2	1	1	0
Middle Atlantic Ocean	2	2	2	2	2
New Zealand	1	1	0	0	1
North-Central Pacific	3	3	9	1	2
Northeast Tropical Africa	18	1	1	1	1
Northwestern Pacific	1	7	3	5	9
Papuasia	22	2	3	1	1
South-Central Pacific	19	10	8	3	16
Southwestern Pacific	2	11	5	12	7
West-Central Tropical Africa	1	1	1	3	2
Western Indian Ocean	8	11	5	7	12
Western South America	1	2	14	1	1

Table S10 Correlation matrix for predictor variables

Plants	*Island area*	*Elevational range*	*Distance to mainland*	*Mean annual temp*	*Annual prec. sum*	*Per-capita GDP*
Island area	1.00					
Elevational range	0.63	1.00				
Distance to mainland	-0.51	-0.27	1.00			
Mean annual temp	-0.36	-0.38	0.28	1.00		
Annual prec. sum	0.00	0.12	0.26	0.13	1.00	
Per-capita GDP	0.28	0.34	-0.06	-0.17	0.18	1.00
Ants						
Island area	1.00					
Elevational range	0.72	1.00				
Distance to mainland	-0.41	-0.32	1.00			
Mean annual temp	-0.27	-0.53	0.00	1.00		
Annual prec. sum	0.17	0.13	0.20	0.13	1.00	
Per-capita GDP	-0.10	0.10	-0.01	-0.18	-0.13	1.00
Mammals						
Island area	1.00					
Elevational range	0.61	1.00				
Distance to mainland	-0.06	0.08	1.00			
Mean annual temp	-0.37	-0.55	-0.19	1.00		
Annual prec. sum	0.09	-0.01	0.14	0.32	1.00	
Per-capita GDP	0.02	-0.04	-0.03	-0.01	-0.02	1.00
Reptiles						
Island area	1.00					
Elevational range	0.70	1.00				
Distance to mainland	-0.31	-0.26	1.00			
Mean annual temp	-0.45	-0.56	0.03	1.00		
Annual prec. sum	0.06	0.03	0.43	0.13	1.00	
Per-capita GDP	-0.23	-0.07	0.02	-0.11	-0.21	1.00
Birds						

Island area	1.00					
Elevational range	0.62	1.00				
Distance to mainland	-0.41	-0.02	1.00			
Mean annual temp	-0.31	-0.41	0.06	1.00		
Annual prec. sum	0.02	0.10	0.36	0.14	1.00	
Per-capita GDP	-0.12	0.02	0.21	-0.03	-0.05	1.00

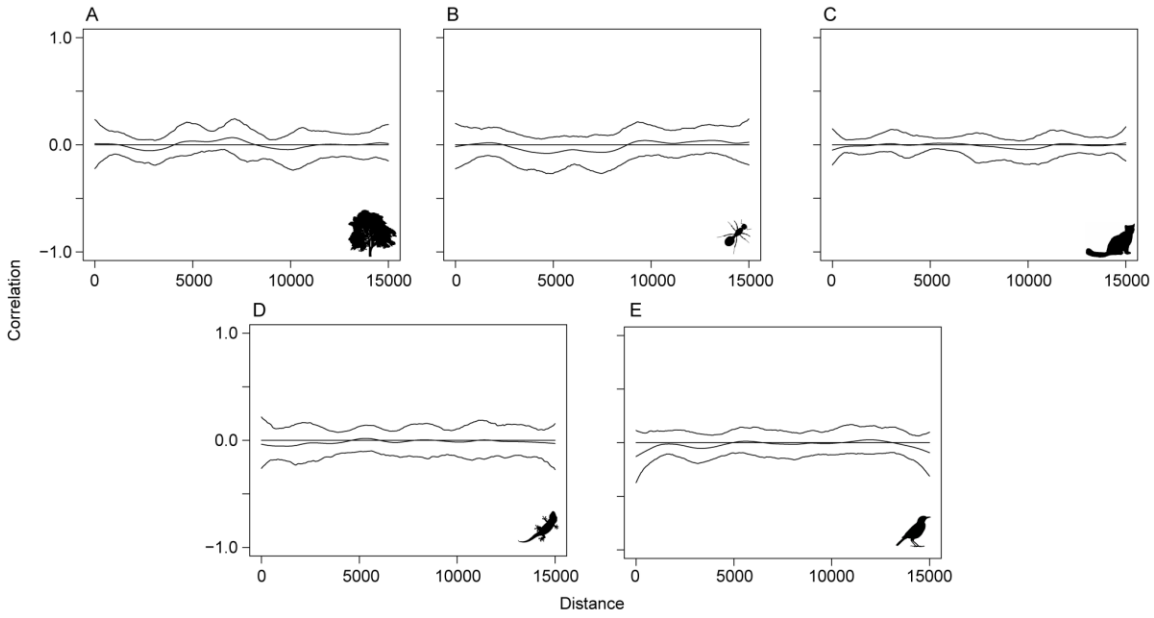

Fig S1: Correlograms for assessing spatial autocorrelation in residuals of the generalized linear mixed effects models for alien species richness: A: vascular plants, B: ants, C: mammals, D: reptiles and E: birds. Correlation= Moran's *I (*central line: observed value; upper and lower lines: upper and lower 95% confidence interval bounds, generated from 500 bootstrapped randomizations). Distance is given in kilometres.

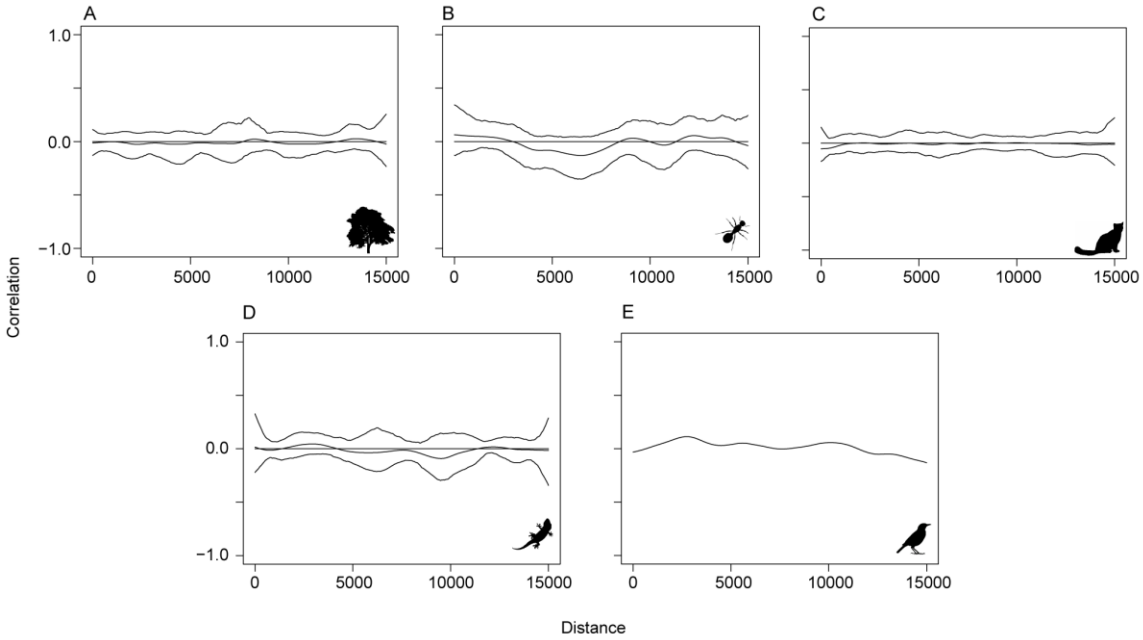

Fig S2: Correlograms for assessing spatial autocorrelation in residuals of the generalized linear mixed effects models for native species richness: A: vascular plants, B: ants, C: mammals, D: reptiles. Correlation= Moran's *I (*central line: observed value; upper and lower lines: upper and lower 95% confidence interval bounds, generated from 500 bootstrapped randomizations). Distance is given in kilometres.

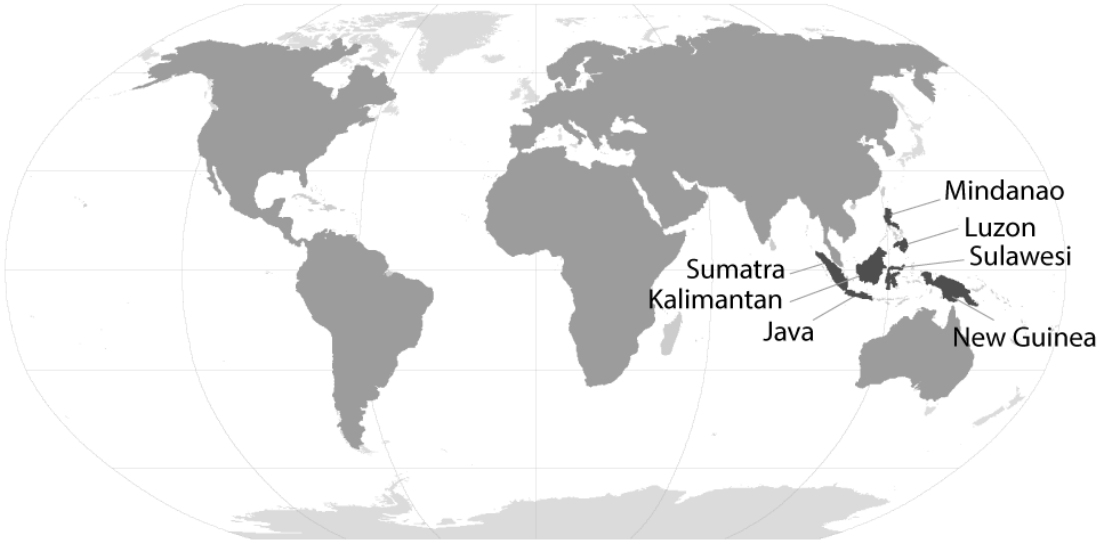

Fig. S3: Overview of the main islands of the Malayan Archipelago. The seven islands were additionally used together with the continental landmasses as alternative source pool regions for smaller islands of the region to test the robustness of the island isolation relationship for native and alien species richness.

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