

Demersal dataset, q=0					
Polygon number	E(β -diversity) at lag 1 year	Intercept	Slope	<i>p.value</i> *	Number of years required before E(β -diversity)=2
19	1.24	1.24 [1.19-1.29]	0 [0-0.01]	0.42 [0.01-0.95]	Inf
21	1.23	1.23 [1.19-1.28]	0 [0-0.01]	0.54 [0.05-0.96]	Inf
22	1.2	1.2 [1.17-1.24]	0 [0-0.01]	0.35 [0.01-0.93]	Inf
23	1.2	1.2 [1.17-1.25]	0 [0-0.01]	0.47 [0.02-0.95]	Inf
24	1.26	1.25 [1.15-1.36]	0.01 [-0.01-0.03]	0.35 [0.08-0.93]	75
25	1.25	1.25 [1.21-1.29]	0 [0-0.01]	0.3 [0-0.94]	Inf
26	1.2	1.2 [1.16-1.24]	0 [0-0.01]	0.46 [0.02-0.95]	Inf
33	1.27	1.27 [1.22-1.32]	0 [0-0.01]	0.54 [0.05-0.96]	Inf
38	1.33	1.33 [1.26-1.39]	0 [-0.01-0.01]	0.5 [0.03-0.94]	Inf
39	1.25	1.24 [1.2-1.29]	0.01 [0-0.02]	0.03 [0-0.55]	76
40	1.18	1.18 [1.14-1.21]	0 [0-0.01]	0.25 [0-0.9]	Inf
41	1.24	1.24 [1.21-1.28]	0 [0-0.01]	0.32 [0.01-0.92]	Inf
42	1.17	1.17 [1.13-1.21]	0 [0-0.01]	0.43 [0.02-0.94]	Inf
43	1.18	1.16 [1.13-1.2]	0.02 [0.01-0.03]	0 [0-0.03]	42
44	1.17	1.17 [1.13-1.2]	0 [0-0.01]	0.31 [0.01-0.92]	Inf
45	1.17	1.16 [1.13-1.2]	0.01 [0-0.01]	0.08 [0-0.81]	84
47	1.2	1.19 [1.16-1.21]	0.01 [0-0.01]	0.22 [0.01-0.88]	81
48	1.19	1.19 [1.16-1.22]	0 [0-0.01]	0.54 [0.08-0.95]	Inf
49	1.23	1.23 [1.2-1.27]	0 [-0.01-0.01]	0.57 [0.06-0.96]	Inf

* Note: as these results are based on bootstraps, 1000 regressions have been made on 1000 bootstrap subsamples. We report here the median and 95% c.i. of the *p.values* obtained.

Demersal dataset, q=0.5					
Polygon number	E(β -diversity) at lag 1 year	Intercept	Slope	<i>p.value</i>	Number of years required before E(β -diversity)=2
19	1.2	1.19 [1.15-1.24]	0.01 [0-0.02]	0.17 [0-0.93]	81
21	1.19	1.19 [1.15-1.23]	0 [0-0.01]	0.53 [0.05-0.95]	Inf
22	1.15	1.14 [1.11-1.18]	0.01 [0-0.02]	0.05 [0-0.67]	86
23	1.18	1.18 [1.15-1.23]	0 [-0.01-0.01]	0.58 [0.11-0.96]	Inf
24	1.1	1.1 [1.06-1.16]	0 [-0.01-0.02]	0.36 [0.04-0.97]	Inf
25	1.15	1.15 [1.12-1.18]	0 [0-0.01]	0.35 [0.01-0.95]	Inf
26	1.15	1.14 [1.11-1.18]	0.01 [0-0.01]	0.06 [0-0.71]	86
33	1.13	1.13 [1.11-1.15]	0 [0-0.01]	0.38 [0.06-0.93]	Inf
38	1.19	1.18 [1.14-1.23]	0.01 [0-0.02]	0.29 [0.01-0.92]	82
39	1.14	1.13 [1.1-1.15]	0.01 [0.01-0.02]	0 [0-0.08]	87
40	1.12	1.11 [1.08-1.14]	0.01 [0-0.01]	0.02 [0-0.38]	89
41	1.14	1.13 [1.11-1.16]	0.01 [0-0.01]	0.03 [0-0.5]	87
42	1.11	1.1 [1.08-1.14]	0.01 [0.01-0.02]	0.01 [0-0.1]	90
43	1.11	1.09 [1.07-1.12]	0.02 [0.01-0.03]	0 [0-0.01]	45
44	1.12	1.1 [1.06-1.14]	0.02 [0.01-0.03]	0 [0-0.03]	45
45	1.15	1.12 [1.08-1.17]	0.03 [0.02-0.05]	0 [0-0.02]	29
47	1.12	1.1 [1.08-1.14]	0.02 [0.01-0.02]	0 [0-0.04]	45
48	1.12	1.11 [1.08-1.16]	0.01 [0-0.02]	0.04 [0-0.75]	89
49	1.2	1.19 [1.14-1.24]	0.01 [0-0.02]	0.03 [0-0.68]	81

Demersal dataset, q=1					
Polygon number	E(β -diversity) at lag 1 year	Intercept	Slope	<i>p.value</i>	Number of years required before E(β -diversity)=2
19	1.16	1.15 [1.1-1.22]	0.01 [0-0.03]	0.13 [0-0.89]	85
21	1.17	1.17 [1.12-1.22]	0 [0-0.01]	0.52 [0.05-0.96]	Inf
22	1.12	1.11 [1.07-1.15]	0.01 [0-0.02]	0.09 [0-0.78]	89
23	1.18	1.18 [1.14-1.24]	0 [-0.01-0.01]	0.58 [0.11-0.96]	Inf
24	1.05	1.05 [1.02-1.12]	0 [-0.01-0.01]	0.47 [0.05-0.96]	Inf
25	1.11	1.11 [1.07-1.14]	0 [0-0.01]	0.39 [0.01-0.95]	Inf
26	1.08	1.08 [1.06-1.11]	0 [0-0.01]	0.18 [0-0.88]	Inf
33	1.07	1.06 [1.04-1.09]	0.01 [0-0.01]	0.26 [0.06-0.7]	94
38	1.12	1.12 [1.07-1.17]	0 [0-0.01]	0.4 [0.02-0.94]	Inf
39	1.1	1.09 [1.06-1.12]	0.01 [0-0.02]	0.01 [0-0.22]	91
40	1.09	1.08 [1.05-1.11]	0.01 [0-0.01]	0.11 [0-0.84]	92
41	1.12	1.11 [1.07-1.15]	0.01 [0.01-0.02]	0.01 [0-0.18]	89
42	1.09	1.07 [1.04-1.11]	0.02 [0.01-0.03]	0.01 [0-0.13]	46
43	1.07	1.06 [1.03-1.08]	0.01 [0.01-0.02]	0 [0-0.06]	94
44	1.1	1.06 [1.01-1.12]	0.04 [0.02-0.06]	0 [0-0.02]	23
45	1.1	1.04 [0.98-1.11]	0.06 [0.03-0.08]	0 [0-0.01]	16
47	1.07	1.05 [1.01-1.08]	0.02 [0.01-0.03]	0 [0-0.09]	48
48	1.12	1.1 [1.04-1.18]	0.02 [0-0.04]	0.04 [0-0.76]	45
49	1.17	1.14 [1.07-1.22]	0.03 [0.01-0.05]	0.01 [0-0.31]	29

Demersal dataset, q=2					
Polygon number	E(β -diversity) at lag 1 year	Intercept	Slope	<i>p.value</i>	Number of years required before E(β -diversity)=2
19	1.12	1.11 [1.03-1.2]	0.01 [0-0.04]	0.12 [0-0.9]	89
21	1.14	1.14 [1.08-1.22]	0 [0-0.02]	0.54 [0.05-0.95]	Inf
22	1.1	1.09 [1.03-1.16]	0.01 [0-0.03]	0.18 [0.01-0.92]	91
23	1.18	1.18 [1.12-1.26]	0 [-0.01-0.01]	0.56 [0.09-0.96]	Inf
24	1.04	1.04 [1.01-1.14]	0 [-0.01-0.01]	0.53 [0.06-0.97]	Inf
25	1.09	1.08 [1.03-1.14]	0.01 [0-0.02]	0.29 [0.01-0.92]	92
26	1.04	1.04 [1.02-1.07]	0 [0-0.01]	0.43 [0.02-0.94]	Inf
33	1.08	1.07 [1.03-1.11]	0.01 [0-0.01]	0.36 [0.09-0.79]	93
38	1.09	1.09 [1.05-1.16]	0 [-0.01-0.01]	0.55 [0.06-0.94]	Inf
39	1.08	1.07 [1.04-1.11]	0.01 [0-0.02]	0.09 [0-0.8]	93
40	1.07	1.07 [1.04-1.11]	0 [0-0.01]	0.52 [0.03-0.94]	Inf
41	1.13	1.11 [1.06-1.17]	0.02 [0.01-0.04]	0.01 [0-0.21]	44
42	1.07	1.05 [1.01-1.11]	0.02 [0-0.04]	0.01 [0-0.58]	48
43	1.04	1.03 [1.01-1.06]	0.01 [0-0.02]	0.02 [0-0.53]	97
44	1.09	1.03 [0.96-1.11]	0.06 [0.04-0.09]	0 [0-0.01]	16
45	1.08	1 [0.91-1.09]	0.08 [0.05-0.1]	0 [0-0.01]	12
47	1.04	1.03 [0.99-1.09]	0.01 [0-0.04]	0.02 [0-0.72]	97
48	1.13	1.11 [1.03-1.23]	0.02 [0-0.05]	0.06 [0-0.82]	44
49	1.15	1.11 [1.01-1.22]	0.04 [0.01-0.08]	0.01 [0-0.19]	22

Pelagic dataset, q=0					
Polygon number	E(β -diversity) at lag 1 year	Intercept	Slope	<i>p.value</i>	Number of years required before E(β -diversity)=2
23	1.38	1.37 [1.3-1.45]	0.01 [-0.01-0.02]	0.45 [0.05-0.96]	63
24	1.34	1.33 [1.27-1.4]	0.01 [0-0.03]	0.45 [0.06-0.94]	67
25	1.25	1.24 [1.19-1.3]	0.01 [0-0.02]	0.08 [0-0.81]	76
26	1.42	1.42 [1.35-1.5]	0 [-0.01-0.01]	0.67 [0.21-0.97]	Inf
33	1.3	1.3 [1.24-1.36]	0 [-0.01-0.01]	0.51 [0.03-0.95]	Inf
38	1.28	1.26 [1.19-1.32]	0.02 [0-0.03]	0.02 [0-0.63]	37
39	1.34	1.32 [1.25-1.39]	0.02 [0-0.03]	0.07 [0-0.81]	34
40	1.29	1.29 [1.24-1.34]	0 [-0.01-0.01]	0.64 [0.15-0.96]	Inf
41	1.2	1.19 [1.15-1.24]	0.01 [0-0.02]	0.06 [0-0.62]	81
42	1.34	1.34 [1.27-1.42]	0 [-0.01-0.02]	0.5 [0.02-0.95]	Inf
43	1.3	1.28 [1.22-1.33]	0.02 [0.01-0.03]	0.02 [0-0.42]	36
44	1.27	1.25 [1.14-1.35]	0.02 [0-0.04]	0.53 [0.04-0.96]	38
45	1.27	1.25 [1.2-1.31]	0.02 [0.01-0.04]	0.04 [0-0.32]	38
47	1.29	1.27 [1.21-1.33]	0.02 [0.01-0.03]	0.02 [0-0.45]	36
49	1.34	1.32 [1.23-1.45]	0.02 [-0.01-0.04]	0.26 [0.01-0.92]	34

Pelagic dataset, q=0.5					
Polygon number	E(β -diversity) at lag 1 year	Intercept	Slope	<i>p.value</i>	Number of years required before E(β -diversity)=2
23	1.32	1.31 [1.21-1.41]	0.01 [-0.01-0.02]	0.58 [0.07-0.95]	69
24	1.27	1.26 [1.18-1.33]	0.01 [-0.01-0.03]	0.37 [0.02-0.94]	74
25	1.22	1.21 [1.16-1.26]	0.01 [0-0.02]	0.26 [0.01-0.88]	79
26	1.23	1.22 [1.15-1.28]	0.01 [0-0.03]	0.18 [0.01-0.88]	78
33	1.16	1.13 [1.09-1.17]	0.03 [0.02-0.04]	0.01 [0-0.05]	29
38	1.24	1.23 [1.17-1.3]	0.01 [0-0.02]	0.14 [0.01-0.78]	77
39	1.21	1.19 [1.14-1.25]	0.02 [0.01-0.03]	0.02 [0-0.34]	40
40	1.15	1.14 [1.11-1.19]	0.01 [0-0.01]	0.41 [0.02-0.93]	86
41	1.1	1.09 [1.07-1.12]	0.01 [0.01-0.02]	0.02 [0-0.25]	91
42	1.14	1.13 [1.09-1.18]	0.01 [0-0.02]	0.26 [0.01-0.88]	87
43	1.14	1.13 [1.09-1.17]	0.01 [0.01-0.02]	0.02 [0-0.41]	87
44	1.27	1.23 [1.11-1.37]	0.04 [0.01-0.06]	0.14 [0.05-0.81]	19
45	1.23	1.2 [1.13-1.28]	0.03 [0.01-0.05]	0.02 [0-0.32]	27
47	1.26	1.23 [1.17-1.3]	0.03 [0.01-0.04]	0.02 [0-0.15]	26
49	1.36	1.33 [1.24-1.45]	0.03 [0-0.06]	0.17 [0.02-0.81]	22

Pelagic dataset, q=1					
Polygon number	E(β -diversity) at lag 1 year	Intercept	Slope	<i>p.value</i>	Number of years required before E(β -diversity)=2
23	1.29	1.28 [1.16-1.42]	0.01 [-0.01-0.03]	0.61 [0.09-0.96]	72
24	1.22	1.22 [1.14-1.34]	0 [-0.02-0.02]	0.56 [0.12-0.97]	Inf
25	1.23	1.22 [1.15-1.28]	0.01 [0-0.02]	0.37 [0.02-0.93]	78
26	1.14	1.13 [1.07-1.2]	0.01 [0-0.03]	0.17 [0.01-0.89]	87
33	1.14	1.11 [1.06-1.17]	0.03 [0.02-0.05]	0.02 [0.01-0.07]	30
38	1.23	1.22 [1.15-1.29]	0.01 [0-0.02]	0.28 [0.02-0.91]	78
39	1.2	1.18 [1.11-1.25]	0.02 [0.01-0.03]	0.07 [0-0.54]	41
40	1.15	1.14 [1.09-1.19]	0.01 [0-0.03]	0.06 [0-0.59]	86
41	1.1	1.08 [1.05-1.13]	0.02 [0.01-0.03]	0.02 [0-0.27]	46
42	1.12	1.1 [1.05-1.16]	0.02 [0-0.03]	0.09 [0-0.61]	45
43	1.12	1.11 [1.06-1.16]	0.01 [0-0.03]	0.1 [0-0.68]	89
44	1.22	1.17 [1.04-1.35]	0.05 [0.01-0.08]	0.18 [0.08-0.84]	17
45	1.18	1.15 [1.07-1.25]	0.03 [0.01-0.06]	0.06 [0.01-0.59]	28
47	1.22	1.2 [1.14-1.28]	0.02 [0.01-0.04]	0.05 [0.01-0.48]	40
49	1.34	1.28 [1.14-1.47]	0.06 [0.01-0.1]	0.1 [0.01-0.72]	12

Pelagic dataset, q=2					
Polygon number	E(β -diversity) at lag 1 year	Intercept	Slope	<i>p.value</i>	Number of years required before E(β -diversity)=2
23	1.29	1.28 [1.15-1.44]	0.01 [-0.02-0.04]	0.6 [0.11-0.96]	72
24	1.17	1.18 [1.08-1.38]	-0.01 [-0.03-0.01]	0.56 [0.14-0.96]	Inf
25	1.24	1.23 [1.14-1.33]	0.01 [-0.01-0.03]	0.41 [0.01-0.94]	77
26	1.1	1.09 [1.03-1.19]	0.01 [-0.01-0.03]	0.45 [0.04-0.97]	91
33	1.16	1.13 [1.07-1.2]	0.03 [0.01-0.05]	0.04 [0.01-0.32]	29
38	1.22	1.21 [1.12-1.31]	0.01 [-0.01-0.03]	0.38 [0.02-0.92]	79
39	1.19	1.17 [1.09-1.27]	0.02 [0-0.04]	0.15 [0.01-0.74]	42
40	1.18	1.15 [1.08-1.22]	0.03 [0.01-0.05]	0.03 [0-0.36]	28
41	1.12	1.09 [1.04-1.15]	0.03 [0.01-0.05]	0.02 [0-0.26]	30
42	1.1	1.08 [1.02-1.15]	0.02 [0-0.04]	0.14 [0-0.69]	46
43	1.12	1.11 [1.06-1.19]	0.01 [0-0.03]	0.2 [0.01-0.85]	89
44	1.16	1.1 [0.92-1.32]	0.06 [0.02-0.1]	0.15 [0.07-0.83]	15
45	1.15	1.11 [1-1.23]	0.04 [0.01-0.07]	0.08 [0.01-0.68]	22
47	1.21	1.18 [1.1-1.28]	0.03 [0-0.05]	0.11 [0.01-0.77]	27
49	1.32	1.25 [1.05-1.5]	0.07 [0.02-0.13]	0.13 [0.01-0.74]	11