

Table S3. Mean ($\bar{\theta}$) and mean CV ($\overline{CV_{\theta}}$) of Jaccard and Sørensen similarity indices for comparing species composition between two cluster plots of two different extent of ground area enclosed by a cluster plot for Fushan and Pasoh controlling for PAREA (250, 500, 1000 m²) and CLAYOUT (square, rectangle, triangle). The three comparisons are: (1) CEXTENT = 1000 m² vs CEXTENT = 2500 m² (1000-2500), (2) CEXTENT = 1000 m² vs CEXTENT = 10000 m² (1000-10000), (3) CEXTENT = 2500 m² vs CEXTENT = 10000 m² (2500-10000). There are 27 types of combinations for a study site. The empirical 95% confidence intervals are given in parentheses

No.	Controlled Design Factor		Comparison	Mean ($\bar{\theta}$)		Mean CV ($\overline{CV_{\theta}}$)	
	PAREA	CLAYOUT	CEXTENT vs CEXTENT	Jaccard	Sørensen	Jaccard	Sørensen
Fushan							
1	250	square	1000-2500	52.2 (51.2, 53.1)	67.7 (66.8, 68.5)	22.8 (21.6, 24.3)	15.9 (14.9, 17.0)
2	250	square	1000-10000	49.5 (48.5, 50.6)	65.4 (64.4, 66.5)	23.5 (21.9, 25.0)	16.8 (15.5, 18.0)
3	250	square	2500-10000	50.4 (49.4, 51.5)	66.3 (65.4, 67.3)	21.8 (20.2, 22.8)	15.2 (14.0, 16.0)
4	250	rectangle	1000-2500	51.5 (50.4, 52.3)	67.1 (66.1, 67.9)	23.3 (21.7, 25.0)	16.3 (15.0, 17.7)
5	250	rectangle	1000-10000	48.5 (47.6, 49.5)	64.5 (63.6, 65.5)	23.6 (22.1, 25.3)	17.0 (15.6, 18.5)
6	250	rectangle	2500-10000	49.7 (48.8, 50.7)	65.7 (64.8, 66.6)	22.1 (20.4, 23.7)	15.6 (14.2, 17.2)
7	250	triangle	1000-2500	58.4 (57.3, 59.4)	72.9 (72.0, 73.8)	21.3 (19.9, 22.9)	14.3 (13.3, 15.7)
8	250	triangle	1000-10000	56.1 (55.1, 57.1)	71.0 (70.2, 71.9)	22.4 (21.1, 24.0)	15.3 (14.2, 16.5)
9	250	triangle	2500-10000	56.9 (56.0, 57.8)	71.8 (71.0, 72.6)	21.0 (19.8, 22.3)	14.1 (13.2, 15.2)
10	500	square	1000-2500	61.4 (60.8, 62.2)	75.5 (75.0, 76.2)	16.9 (15.8, 18.1)	11.0 (10.2, 11.9)
11	500	square	1000-10000	58.4 (57.5, 59.2)	73.1 (72.4, 73.9)	17.8 (16.5, 19.1)	12.0 (10.9, 13.2)
12	500	square	2500-10000	59.5 (58.7, 60.4)	74.1 (73.4, 74.9)	16.3 (15.1, 17.4)	10.7 (9.8, 11.6)
13	500	rectangle	1000-2500	60.6 (59.7, 61.4)	74.9 (74.2, 75.6)	17.5 (16.2, 18.8)	11.5 (10.4, 12.6)
14	500	rectangle	1000-10000	57.4 (56.4, 58.2)	72.3 (71.5, 73.1)	18.1 (16.7, 19.5)	12.4 (11.2, 14.0)
15	500	rectangle	2500-10000	58.6 (57.9, 59.4)	73.4 (72.8, 74.1)	16.7 (15.4, 18.2)	11.3 (10.2, 12.8)
16	500	triangle	1000-2500	66.3 (65.4, 67.1)	79.2 (78.6, 79.8)	16.0 (14.9, 16.9)	10.2 (9.3, 10.8)
17	500	triangle	1000-10000	63.7 (62.7, 64.8)	77.3 (76.5, 78.2)	17.0 (15.8, 18.1)	11.0 (10.1, 12.0)
18	500	triangle	2500-10000	64.7 (63.9, 65.5)	78.1 (77.4, 78.7)	15.6 (14.6, 16.7)	10.0 (9.2, 10.9)
19	1000	square	1000-2500	71.8 (71.1, 72.5)	83.3 (82.8, 83.8)	11.6 (11.0, 12.4)	7.0 (6.5, 7.5)
20	1000	square	1000-10000	65.7 (64.9, 66.4)	78.9 (78.3, 79.5)	13.5 (12.4, 14.4)	8.7 (7.8, 9.4)
21	1000	square	2500-10000	66.9 (66.1, 67.5)	79.8 (79.3, 80.3)	12.2 (11.2, 13.0)	7.6 (6.9, 8.4)
22	1000	rectangle	1000-2500	68.5 (67.9, 69.3)	81.0 (80.5, 81.6)	12.6 (11.8, 13.5)	7.8 (7.2, 8.5)
23	1000	rectangle	1000-10000	64.7 (64.0, 65.4)	78.2 (77.6, 78.7)	14.1 (12.7, 15.3)	9.2 (8.0, 10.9)
24	1000	rectangle	2500-10000	66.2 (65.4, 66.8)	79.3 (78.7, 79.8)	12.6 (11.5, 14.0)	8.1 (7.2, 9.9)

No.	Controlled Design Factor		Comparison	Mean ($\bar{\theta}$)		Mean CV ($\overline{CV_{\theta}}$)	
	PAREA	CLAYOUT	CEXTENT vs CEXTENT	Jaccard	Sørensen	Jaccard	Sørensen
25	1000	triangle	1000-2500	73.4 (72.6, 74.2)	84.4 (83.8, 84.9)	11.6 (10.9, 12.3)	7.0 (6.4, 7.5)
26	1000	triangle	1000-10000	70.0 (69.3, 70.8)	82.0 (81.5, 82.6)	12.8 (11.8, 13.7)	7.9 (7.2, 8.6)
27	1000	triangle	2500-10000	71.0 (70.4, 71.8)	82.8 (82.3, 83.3)	11.6 (10.8, 12.3)	7.1 (6.5, 7.6)
Pasoh							
1	250	square	1000-2500	28.2 (27.8, 28.8)	43.8 (43.3, 44.4)	17.0 (15.8, 18.2)	13.1 (12.3, 13.8)
2	250	square	1000-10000	26.0 (25.6, 26.4)	41.1 (40.5, 41.6)	18.4 (17.0, 19.7)	14.3 (13.3, 15.2)
3	250	square	2500-10000	26.4 (26.0, 26.8)	41.6 (41.1, 42.1)	18.0 (16.6, 20.1)	14.0 (13.0, 15.1)
4	250	rectangle	1000-2500	27.7 (27.3, 28.1)	43.2 (42.7, 43.7)	17.7 (16.3, 19.1)	13.6 (12.7, 14.6)
5	250	rectangle	1000-10000	25.4 (25.0, 25.9)	40.3 (39.8, 40.9)	19.0 (17.7, 20.5)	14.9 (14.0, 16.0)
6	250	rectangle	2500-10000	25.9 (25.5, 26.3)	40.9 (40.4, 41.4)	18.5 (17.0, 20.2)	14.4 (13.3, 15.4)
7	250	triangle	1000-2500	38.1 (37.6, 38.6)	55.0 (54.4, 55.5)	13.7 (12.8, 14.9)	9.9 (9.3, 10.8)
8	250	triangle	1000-10000	36.3 (35.8, 36.7)	53.0 (52.5, 53.5)	14.5 (13.5, 15.4)	10.6 (9.9, 11.2)
9	250	triangle	2500-10000	36.6 (36.1, 37.0)	53.4 (52.8, 53.8)	14.3 (13.3, 15.3)	10.4 (9.7, 11.2)
10	500	square	1000-2500	38.0 (37.5, 38.5)	54.9 (54.4, 55.4)	12.3 (11.4, 13.3)	8.8 (8.2, 9.4)
11	500	square	1000-10000	35.4 (35.0, 35.9)	52.1 (51.7, 52.6)	13.4 (12.3, 14.5)	9.7 (9.0, 10.4)
12	500	square	2500-10000	36.0 (35.5, 36.4)	52.8 (52.3, 53.2)	13.0 (11.9, 14.5)	9.4 (8.7, 10.3)
13	500	rectangle	1000-2500	37.4 (37.0, 37.9)	54.3 (53.9, 54.8)	12.9 (11.9, 14.1)	9.2 (8.5, 9.9)
14	500	rectangle	1000-10000	34.7 (34.2, 35.1)	51.3 (50.8, 51.8)	14.0 (12.9, 15.2)	10.3 (9.5, 11.4)
15	500	rectangle	2500-10000	35.3 (35.0, 35.8)	52.1 (51.6, 52.5)	13.5 (12.3, 14.8)	9.8 (9.0, 10.8)
16	500	triangle	1000-2500	46.4 (46.0, 46.9)	63.2 (62.9, 63.7)	10.0 (9.4, 10.7)	6.8 (6.4, 7.2)
17	500	triangle	1000-10000	44.3 (43.9, 44.7)	61.2 (60.8, 61.6)	10.8 (9.9, 11.5)	7.4 (6.9, 7.9)
18	500	triangle	2500-10000	44.7 (44.4, 45.1)	61.6 (61.3, 62.0)	10.4 (9.6, 11.2)	7.1 (6.6, 7.7)
19	1000	square	1000-2500	53.0 (52.7, 53.4)	69.2 (68.9, 69.6)	8.0 (7.3, 8.7)	5.1 (4.7, 5.6)
20	1000	square	1000-10000	45.6 (45.2, 46.1)	62.5 (62.1, 63.0)	10.1 (9.3, 10.9)	6.9 (6.3, 7.5)
21	1000	square	2500-10000	46.3 (45.9, 46.8)	63.2 (62.8, 63.6)	9.7 (8.9, 10.6)	6.5 (6.0, 7.1)
22	1000	rectangle	1000-2500	48.3 (47.9, 48.8)	65.0 (64.7, 65.5)	9.5 (8.7, 10.4)	6.3 (5.8, 7.0)
23	1000	rectangle	1000-10000	44.8 (44.4, 45.1)	61.7 (61.3, 62.0)	10.6 (9.8, 11.7)	7.4 (6.7, 8.6)
24	1000	rectangle	2500-10000	45.7 (45.3, 46.1)	62.6 (62.2, 63.0)	10.1 (9.3, 11.3)	6.9 (6.3, 8.2)
25	1000	triangle	1000-2500	56.2 (55.9, 56.6)	71.9 (71.6, 72.2)	7.3 (6.8, 7.9)	4.6 (4.3, 5.0)
26	1000	triangle	1000-10000	52.9 (52.6, 53.3)	69.1 (68.8, 69.4)	8.1 (7.5, 8.8)	5.3 (4.9, 5.7)
27	1000	triangle	2500-10000	53.5 (53.2, 53.9)	69.6 (69.4, 69.9)	7.8 (7.1, 8.4)	5.0 (4.6, 5.4)

