

Table S2. 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 cluster layouts for Fushan and Pasoh controlling for PAREA (250, 500, 1000 m²) and CEXTENT (1000, 2500, 10000 m²). The three comparisons are: (1) CLAYOUT = square vs CLAYOUT = rectangle (squ-rect), (2) CLAYOUT = square vs CLAYOUT = triangle (squ-tri), (3) CLAYOUT = triangle vs CLAYOUT = rectangle (tri-rect). 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	CEXTENT	CLAYOUT vs CLAYOUT	Jaccard	Sørensen	Jaccard	Sørensen
Fushan							
1	250	1000	squ-rect	51.4 (50.3, 52.3)	67.0 (66.1, 67.8)	23.8 (22.3, 25.0)	16.7 (15.6, 17.6)
2	250	1000	squ-tri	52.6 (51.5, 53.7)	68.0 (67.1, 69.0)	23.3 (21.6, 24.6)	16.2 (14.8, 17.4)
3	250	1000	tri-rect	54.9 (53.9, 55.8)	70.0 (69.1, 70.8)	22.1 (20.7, 23.7)	15.1 (13.9, 16.4)
4	250	2500	squ-rect	50.7 (49.7, 51.7)	66.5 (65.6, 67.4)	22.9 (21.4, 24.4)	16.1 (14.7, 17.4)
5	250	2500	squ-tri	51.6 (50.5, 52.5)	67.3 (66.3, 68.1)	22.5 (21.1, 23.9)	15.7 (14.6, 16.9)
6	250	2500	tri-rect	51.5 (50.7, 52.4)	67.2 (66.4, 68.0)	22.4 (21.1, 24.1)	15.6 (14.4, 17.3)
7	250	10000	squ-rect	49.4 (48.5, 50.4)	65.5 (64.6, 66.4)	21.3 (19.8, 23.0)	15.1 (13.9, 16.8)
8	250	10000	squ-tri	50.5 (49.7, 51.7)	66.5 (65.7, 67.6)	20.7 (19.4, 22.1)	14.4 (13.2, 15.6)
9	250	10000	tri-rect	50.1 (49.3, 51.0)	66.0 (65.3, 66.9)	21.1 (19.7, 22.8)	14.9 (13.6, 16.2)
10	500	1000	squ-rect	60.7 (59.9, 61.4)	75.0 (74.2, 75.6)	17.8 (16.7, 18.8)	11.6 (10.9, 12.5)
11	500	1000	squ-tri	63.8 (62.9, 64.7)	77.4 (76.7, 78.1)	16.5 (15.4, 17.7)	10.6 (9.8, 11.5)
12	500	1000	tri-rect	65.6 (64.7, 66.5)	78.7 (78.1, 79.4)	16.0 (14.9, 17.1)	10.2 (9.5, 11.1)
13	500	2500	squ-rect	59.8 (58.9, 60.7)	74.3 (73.5, 75.1)	17.3 (15.8, 18.5)	11.4 (10.3, 12.5)
14	500	2500	squ-tri	60.8 (60.1, 61.6)	75.1 (74.6, 75.7)	16.5 (15.5, 17.6)	10.8 (9.9, 11.5)
15	500	2500	tri-rect	62.1 (61.4, 62.9)	76.2 (75.6, 76.7)	16.2 (15.0, 17.5)	10.5 (9.5, 11.7)
16	500	10000	squ-rect	58.3 (57.5, 59.0)	73.2 (72.5, 73.8)	16.0 (14.7, 17.6)	10.9 (9.6, 12.6)
17	500	10000	squ-tri	59.4 (58.5, 60.4)	74.1 (73.4, 74.9)	15.3 (14.3, 16.4)	10.0 (9.2, 10.9)
18	500	10000	tri-rect	59.1 (58.2, 59.8)	73.8 (73.1, 74.5)	15.7 (14.6, 17.2)	10.5 (9.4, 12.1)
19	1000	1000	squ-rect	70.9 (70.1, 71.7)	82.6 (82.1, 83.2)	12.3 (11.3, 13.1)	7.5 (6.7, 8.2)
20	1000	1000	squ-tri	72.9 (72.2, 73.7)	84.1 (83.5, 84.6)	11.6 (10.9, 12.3)	7.0 (6.5, 7.4)
21	1000	1000	tri-rect	73.9 (73.1, 74.6)	84.7 (84.2, 85.2)	11.5 (10.9, 12.5)	6.9 (6.4, 7.7)
22	1000	2500	squ-rect	67.3 (66.6, 68.1)	80.1 (79.6, 80.7)	12.8 (11.6, 13.8)	8.0 (7.2, 9.1)
23	1000	2500	squ-tri	69.6 (68.9, 70.1)	81.8 (81.3, 82.1)	11.8 (10.9, 12.6)	7.2 (6.6, 7.8)
24	1000	2500	tri-rect	71.1 (70.4, 71.8)	82.8 (82.3, 83.3)	11.6 (10.7, 12.7)	7.1 (6.4, 8.1)
25	1000	10000	squ-rect	65.6 (65.0, 66.2)	78.9 (78.4, 79.4)	12.2 (11.0, 13.7)	8.0 (6.8, 9.8)

No.	Controlled Design Factor		Comparison	Mean ($\bar{\theta}$)		Mean CV ($\bar{CV}_\theta$)	
	PAREA	CEXTENT	CLAYOUT vs CLAYOUT	Jaccard	Sørensen	Jaccard	Sørensen
26	1000	10000	squ-tri	66.8 (66.1, 67.4)	79.9 (79.4, 80.3)	11.2 (10.3, 12.2)	7.0 (6.3, 7.8)
27	1000	10000	tri-rect	66.5 (65.8, 67.2)	79.6 (79.1, 80.1)	11.8 (10.7, 13.4)	7.7 (6.7, 9.5)
Pasoh							
1	250	1000	squ-rect	27.8 (27.5, 28.2)	43.4 (43.0, 43.8)	15.3 (14.3, 16.5)	12.0 (11.2, 12.9)
2	250	1000	squ-tri	28.8 (28.4, 29.3)	44.5 (44.1, 45.1)	16.0 (14.9, 17.1)	12.3 (11.5, 13.1)
3	250	1000	tri-rect	32.7 (32.3, 33.1)	49.1 (48.7, 49.5)	14.7 (13.7, 15.9)	11.0 (10.2, 11.8)
4	250	2500	squ-rect	26.8 (26.4, 27.2)	42.1 (41.6, 42.5)	15.5 (14.5, 16.6)	12.2 (11.4, 13.1)
5	250	2500	squ-tri	27.5 (27.1, 27.9)	42.9 (42.4, 43.5)	16.2 (15.1, 17.1)	12.5 (11.8, 13.2)
6	250	2500	tri-rect	27.4 (27.0, 27.9)	42.8 (42.4, 43.3)	16.9 (15.5, 18.3)	13.0 (12.1, 14.0)
7	250	10000	squ-rect	25.2 (24.9, 25.5)	40.1 (39.6, 40.5)	15.9 (15.0, 17.0)	12.8 (11.9, 13.8)
8	250	10000	squ-tri	25.9 (25.6, 26.3)	41.0 (40.5, 41.5)	16.5 (15.4, 17.6)	13.0 (12.1, 13.8)
9	250	10000	tri-rect	25.8 (25.4, 26.2)	40.8 (40.4, 41.3)	17.0 (15.6, 18.2)	13.4 (12.4, 14.5)
10	500	1000	squ-rect	37.5 (37.1, 37.9)	54.4 (54.0, 54.8)	11.0 (10.3, 11.7)	8.0 (7.5, 8.5)
11	500	1000	squ-tri	41.8 (41.5, 42.2)	58.9 (58.5, 59.2)	10.5 (9.8, 11.3)	7.3 (6.9, 7.9)
12	500	1000	tri-rect	45.4 (45.1, 45.8)	62.3 (62.1, 62.7)	9.8 (9.3, 10.6)	6.7 (6.3, 7.2)
13	500	2500	squ-rect	36.3 (36.0, 36.7)	53.2 (52.8, 53.6)	11.0 (10.2, 11.9)	8.1 (7.5, 8.9)
14	500	2500	squ-tri	37.2 (36.9, 37.6)	54.1 (53.7, 54.5)	11.6 (10.8, 12.4)	8.3 (7.8, 8.9)
15	500	2500	tri-rect	39.6 (39.3, 40.0)	56.6 (56.3, 57.0)	11.2 (10.2, 12.1)	7.9 (7.2, 8.5)
16	500	10000	squ-rect	34.7 (34.3, 35.0)	51.4 (51.0, 51.8)	11.2 (10.3, 12.3)	8.4 (7.6, 9.7)
17	500	10000	squ-tri	35.6 (35.2, 35.9)	52.4 (51.9, 52.7)	11.6 (10.8, 12.4)	8.4 (7.9, 9.0)
18	500	10000	tri-rect	35.4 (35.1, 35.8)	52.2 (51.8, 52.6)	12.2 (11.4, 13.1)	9.0 (8.4, 10.0)
19	1000	1000	squ-rect	51.9 (51.6, 52.3)	68.3 (68.0, 68.6)	7.3 (6.8, 7.7)	4.8 (4.5, 5.1)
20	1000	1000	squ-tri	54.8 (54.5, 55.2)	70.7 (70.5, 71.0)	7.4 (6.9, 7.9)	4.7 (4.4, 5.1)
21	1000	1000	tri-rect	57.1 (56.8, 57.5)	72.6 (72.4, 72.9)	7.0 (6.6, 7.5)	4.4 (4.2, 4.8)
22	1000	2500	squ-rect	46.7 (46.3, 47.1)	63.6 (63.2, 63.9)	8.1 (7.5, 8.8)	5.5 (5.1, 6.2)
23	1000	2500	squ-tri	49.6 (49.2, 50.0)	66.2 (65.9, 66.6)	7.9 (7.2, 8.5)	5.2 (4.8, 5.6)
24	1000	2500	tri-rect	52.6 (52.2, 52.9)	68.8 (68.5, 69.1)	7.6 (7.0, 8.3)	5.0 (4.6, 5.5)
25	1000	10000	squ-rect	45.0 (44.8, 45.4)	62.0 (61.7, 62.3)	8.2 (7.4, 9.5)	5.8 (5.1, 7.3)
26	1000	10000	squ-tri	46.0 (45.7, 46.3)	62.9 (62.6, 63.2)	8.3 (7.7, 8.8)	5.6 (5.2, 6.0)
27	1000	10000	tri-rect	46.0 (45.6, 46.3)	62.9 (62.5, 63.2)	9.0 (8.1, 10.1)	6.2 (5.6, 7.6)