

Additional file 3 - Power to detect at least one LZ of the true cluster with a maximum cluster size of 10 LZ

		"Small Clusters"			"Moderate Clusters"			"Large Clusters"		
		#1	#2	#3	#4	#5	#6	#7	#8	#9
		Linear	U-Shaped	Compact	Linear	U-Shaped	Compact	Linear	U-Shaped	Compact
		No. LZ = 6	No. LZ = 10	No. LZ = 8	No. LZ = 7	No. LZ = 7	No. LZ = 11	No. LZ = 12	No. LZ = 16	No. LZ = 13
RR = 1.5	Scan-c	0.03	0.06	0.04	0.18	0.18	0.30	0.82	0.80	0.78
	Scan-e0	0.04	0.03	0.05	0.20	0.19	0.28	0.77	0.77	0.74
	FleX	0.04	0.06	0.05	0.17	0.18	0.26	0.79	0.77	0.75
	GA-1	0.03	0.04	0.03	0.23	0.21	0.34	0.86	0.88	0.82
	Double	0.03	0.07	0.04	0.18	0.17	0.27	0.78	0.77	0.76
	Mlink	0.10	0.11	0.09	0.29	0.29	0.46	0.88	0.87	0.86
RR = 2.0	Scan-c	0.38	0.38	0.41	0.94	0.91	0.98	1.00	1.00	1.00
	Scan-e0	0.46	0.41	0.46	0.93	0.93	0.97	1.00	1.00	1.00
	FleX	0.42	0.43	0.43	0.94	0.91	0.96	1.00	1.00	1.00
	GA-1	0.34	0.38	0.35	0.95	0.91	0.99	1.00	1.00	1.00
	Double	0.43	0.38	0.42	0.93	0.90	0.94	1.00	1.00	1.00
	Mlink	0.59	0.54	0.58	0.96	0.95	0.99	1.00	1.00	1.00
RR = 3.0	Scan-c	0.96	0.98	0.99	1.00	1.00	1.00	1.00	1.00	1.00
	Scan-e0	0.98	0.95	0.99	1.00	1.00	1.00	1.00	1.00	1.00
	FleX	0.98	0.98	0.99	1.00	1.00	1.00	1.00	1.00	1.00
	GA-1	0.94	0.98	0.98	1.00	1.00	1.00	1.00	1.00	1.00
	Double	0.98	0.97	0.98	1.00	1.00	1.00	1.00	1.00	1.00
	Mlink	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Scan-c: circular scan method, Scan-e0: standard elliptic scan method, FleX: unrestricted flexible scan method, GA-1: strongly penalized genetic algorithm, Double and Mlink: dynamic minimum spanning tree method with double and maximum link connections, respectively. No. LZ: number of living zones in the cluster; RR: relative risk in the true cluster. Bold indicates figures greater than or equal to 0.8.