

Additional file 1 - Computational time¹ for analyzing 250 replicated datasets of a given cluster scenario, by maximum cluster size (10, 20, 25 LZ)

	Maximum cluster size	Scan-c	Scan-e0	FleX	GA-1	Double	Mlink
250 replicated datasets	10 LZ	10 min	2 h	11 min	50 min	1 min	15 min
	20 LZ	11 min	2 h	3 h 7 min	2 h 40 min	1 – 2 min	52 min
	25 LZ	11 min	2 h	3.2 days	3 h – 6 h 15 min	1 – 2 min	52 min
One replicated dataset	10 LZ	2.4 s	28.8 s	2.6 s	12.0 s	0.2 s	3.6 s
	20 LZ	2.6 s	28.8 s	44.9 s	38.4 s	0.2 s - 0.4 s	12.5 s
	25 LZ	2.6 s	28.8 s	1116 s	43.2 s – 90 s	0.2 s - 0.4 s	12.5 s

¹ A Dell R710 server was used.

LZ: living zone. *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.