

	Number of highly dense nodes	Total Nodes	Percentage of highly dense nodes	Average local graph density
Soil 1	1,648,289	3,296,529	50.0%	22.3 \pm 7.8
Soil 2	5,525,126	15,003,370	36.8%	12.9 \pm 4.4
Soil 3	72,355,397	204,591,327	35.4%	7.9 \pm 2.0
Rumen	2,301,344	10,642,916	21.6%	4.3 \pm 0.5
Human Gut	64,778,975	221,606,419	29.2%	5.5 \pm 0.2
Simulated	71,859	433,692	16.6%	2.7 \pm 0.0
112 Genomes	26,964	2,144,809	1.3%	-