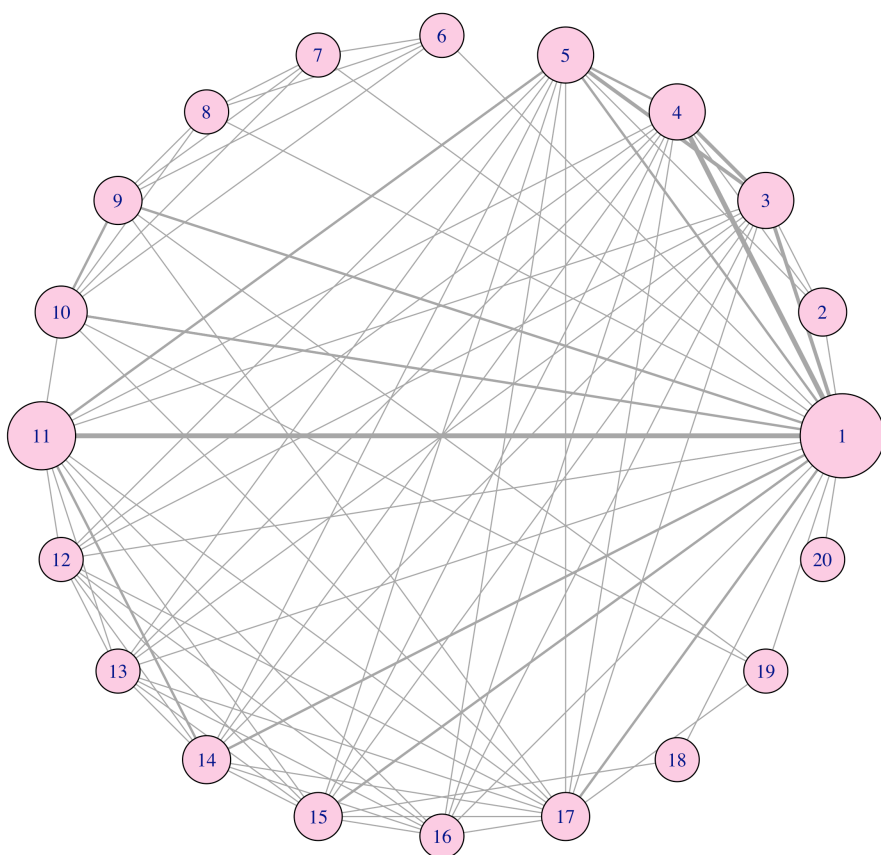
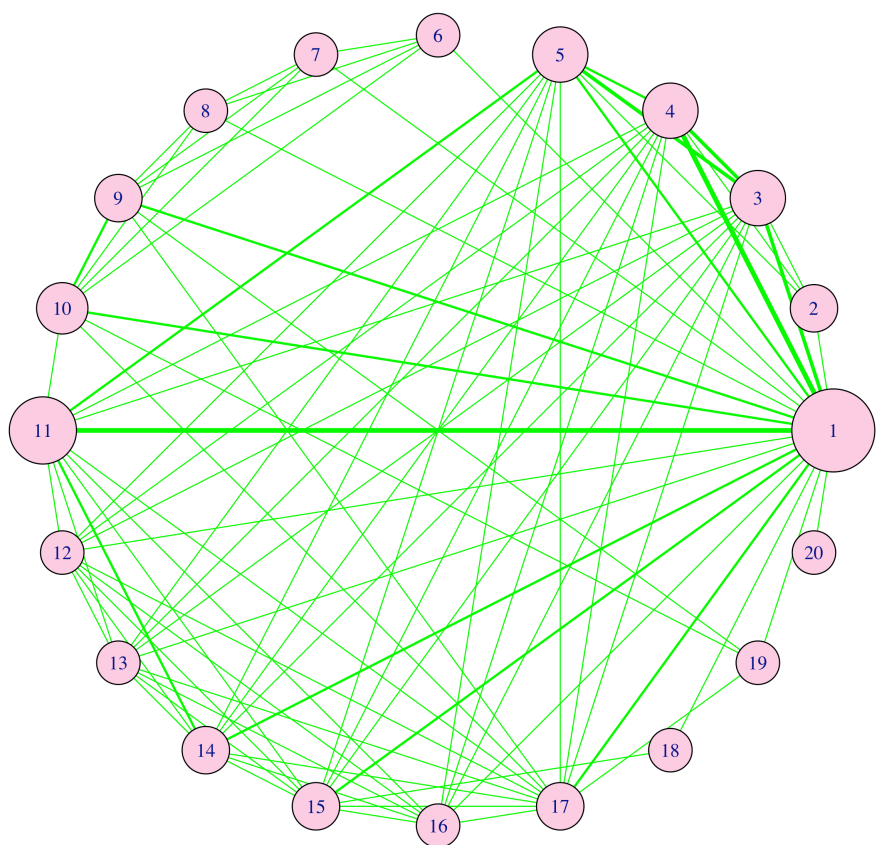


a)



Node	Microbe Names	Node Size
1	Bacteroides	11
2	Lactobacillus	2
3	Bifidobacterium	4
4	Ruminococcus	4
5	Streptococcus	4
6	Enterobacteriaceae	1
7	Bacteroidales	1
8	Enterococcus	1
9	Firmicutes	2
10	Clostridiales	3
11	Prevotella	7
12	Burkholderiales	1
13	Parabacteroides	1
14	Alistipes	2
15	Odoribacter	2
16	Lachnospiraceae	1
17	Ruminococcaceae	2
18	Akkermansia	1
19	Bacteroidetes	1
20	Bacillales	1

b)



Node	Microbe Names	Node Size	Node Score
1	Bacteroides	11	0.1662
2	Lactobacillus	2	3.3075
3	Bifidobacterium	4	0.5452
4	Ruminococcus	4	0.1087
5	Streptococcus	4	0.0915
6	Enterobacteriaceae	1	0.0924
7	Bacteroidales	1	0.0930
8	Enterococcus	1	0.0929
9	Firmicutes	2	0.0651
10	Clostridiales	3	0.0867
11	Prevotella	7	0.1797
12	Burkholderiales	1	0.1625
13	Parabacteroides	1	0.1046
14	Alistipes	2	0.0940
15	Odoribacter	2	0.0948
16	Lachnospiraceae	1	0.0831
17	Ruminococcaceae	2	0.0925
18	Akkermansia	1	0.0486
19	Bacteroidetes	1	0.0950
20	Bacillales	1	0.1008