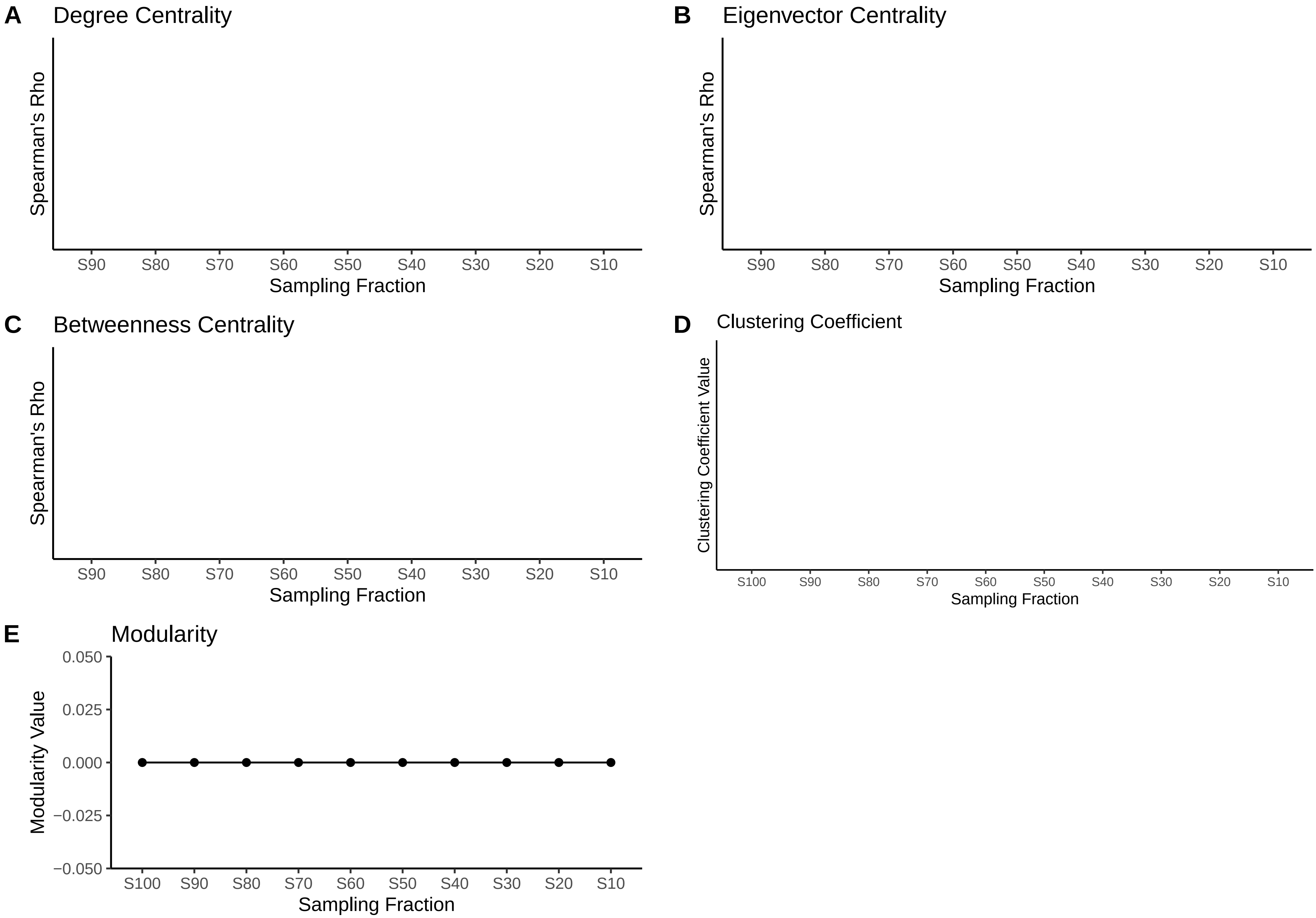
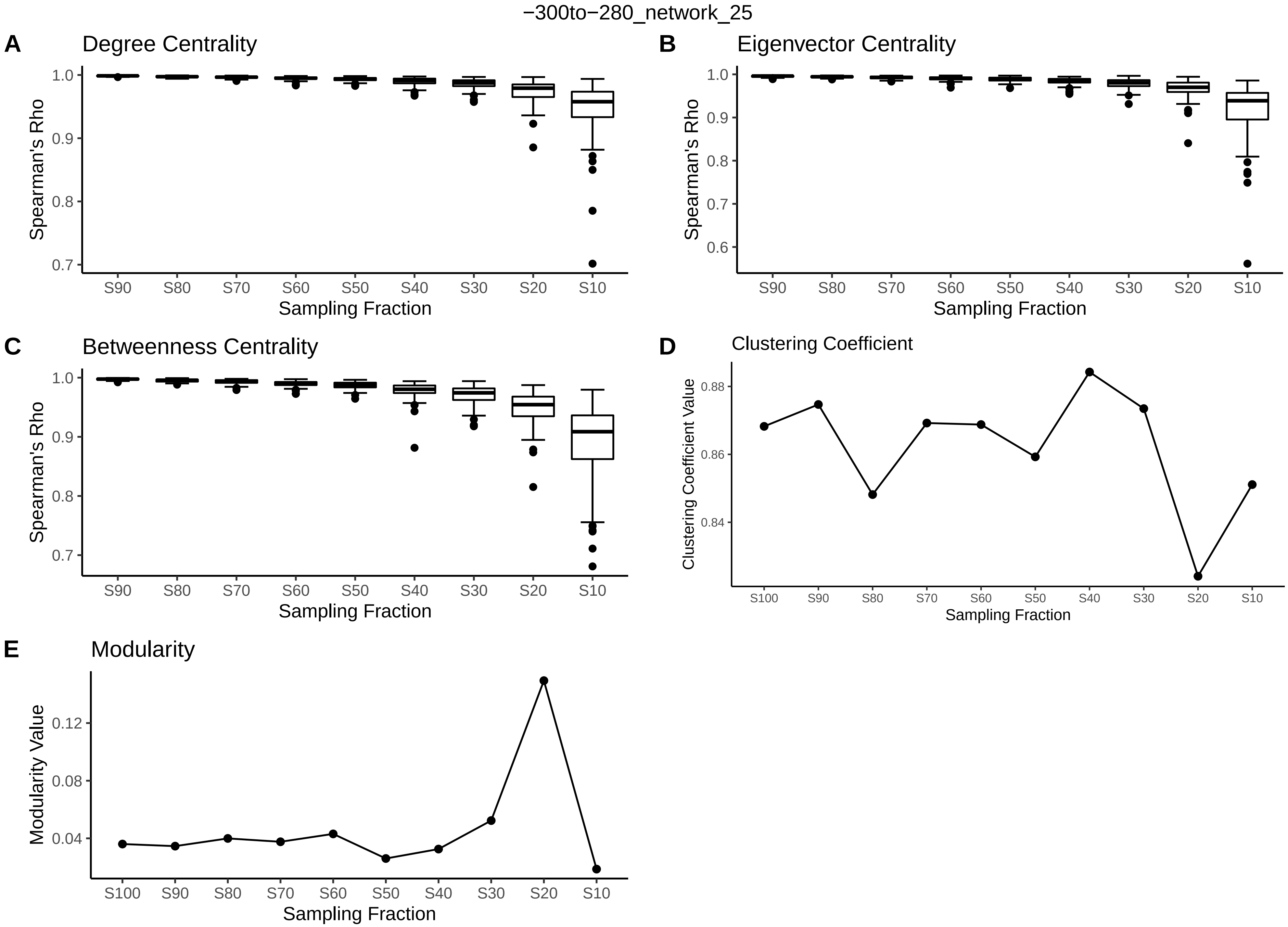
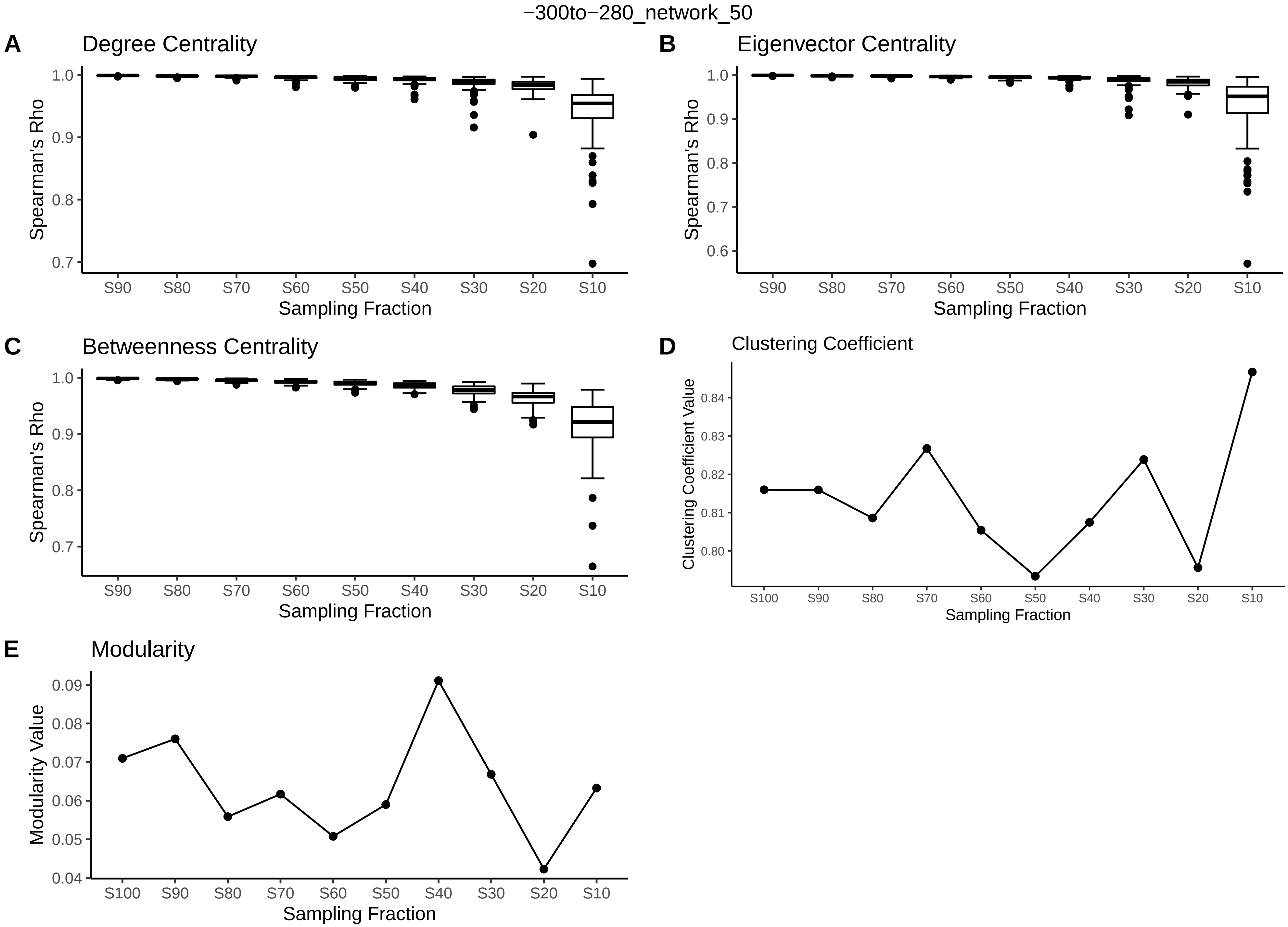
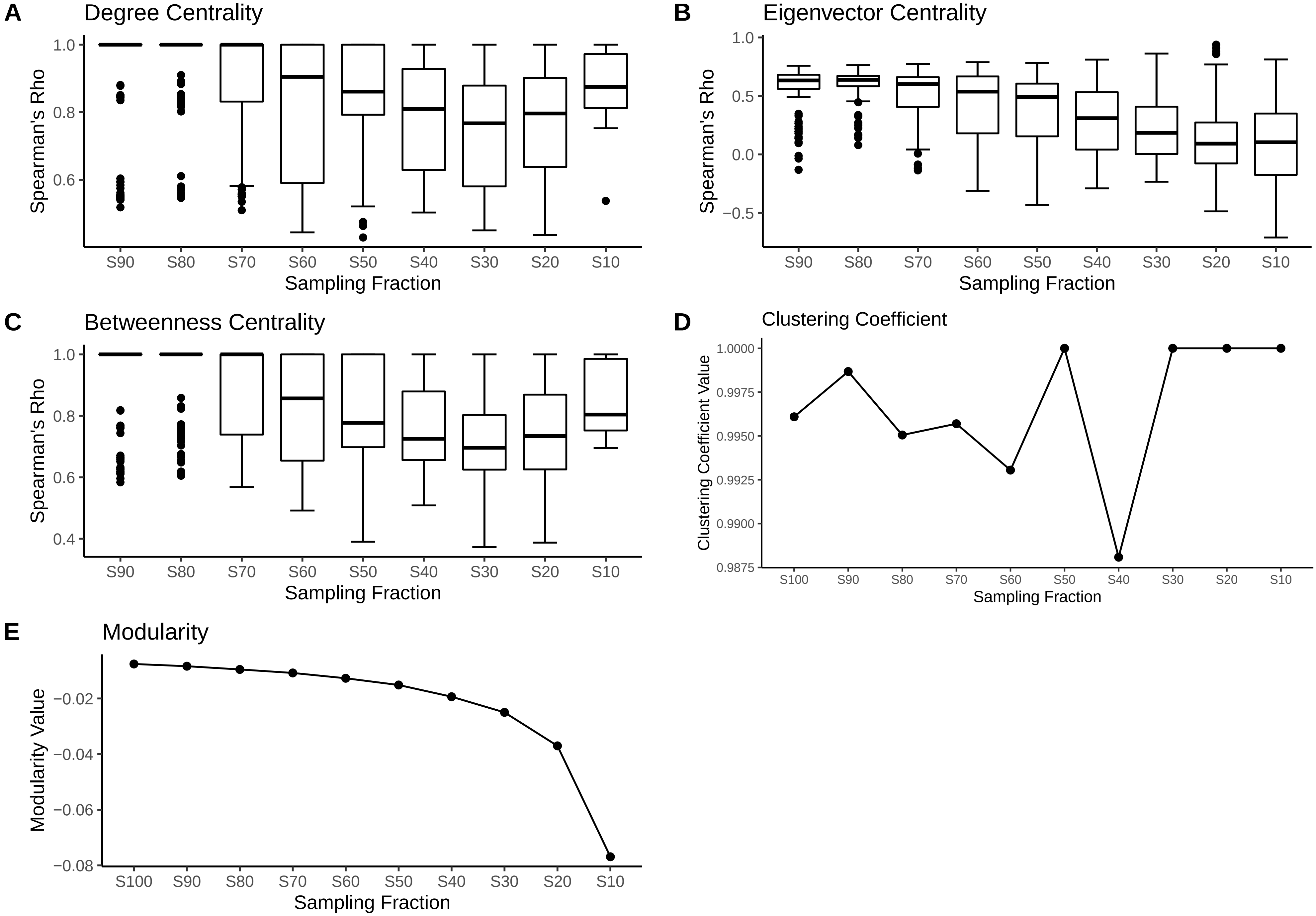
−300to−280_network_1

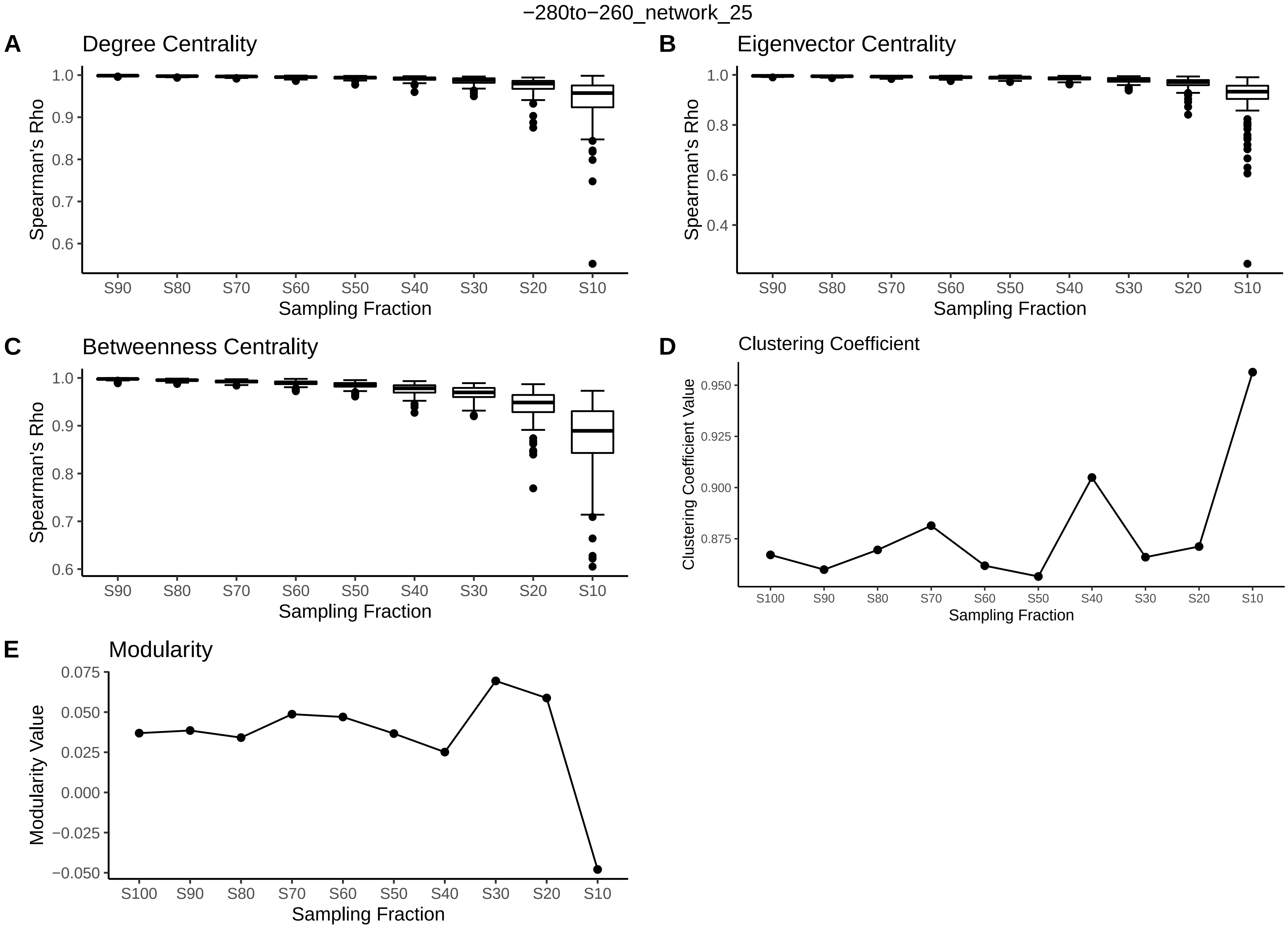


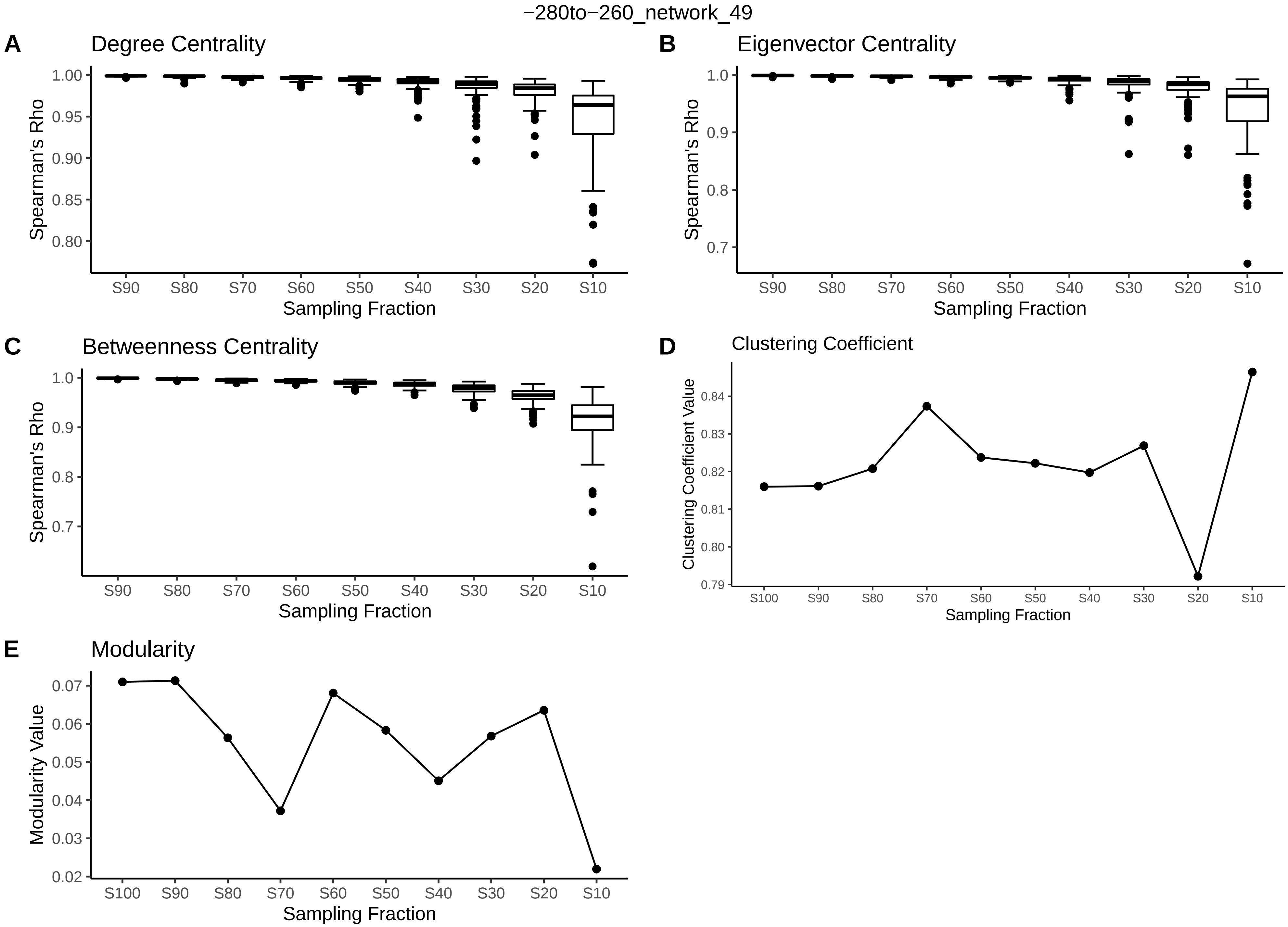

−300to−280_network_25
A
Degree Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
0.6
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.88
0.86
0.84
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.12
0.08
0.04
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

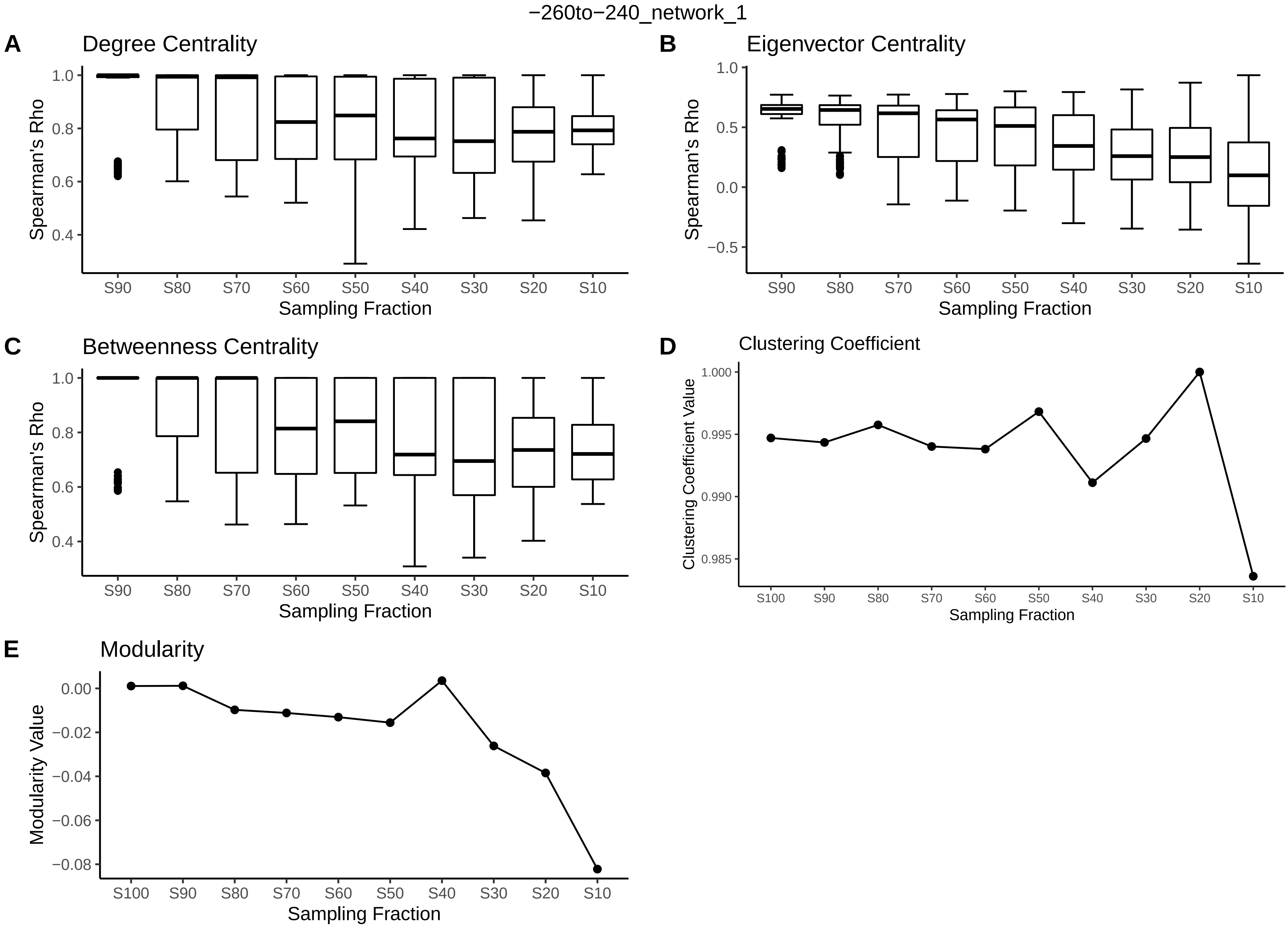

−300to−280_network_50
A
Degree Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
0.6
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.84
0.83
0.82
0.81
0.80
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.09
0.08
0.07
0.06
0.05
0.04
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction



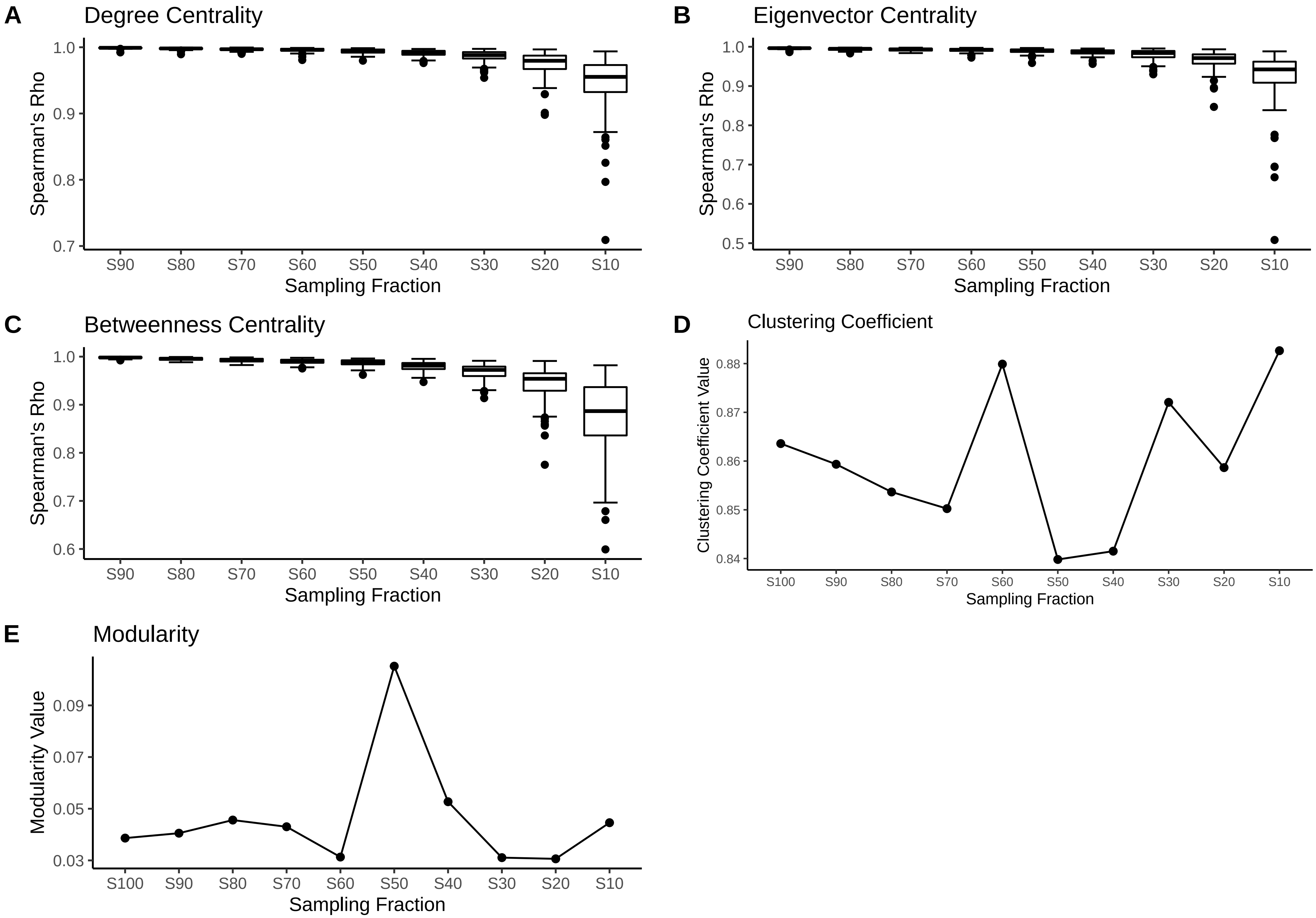
−280to−260_network_1

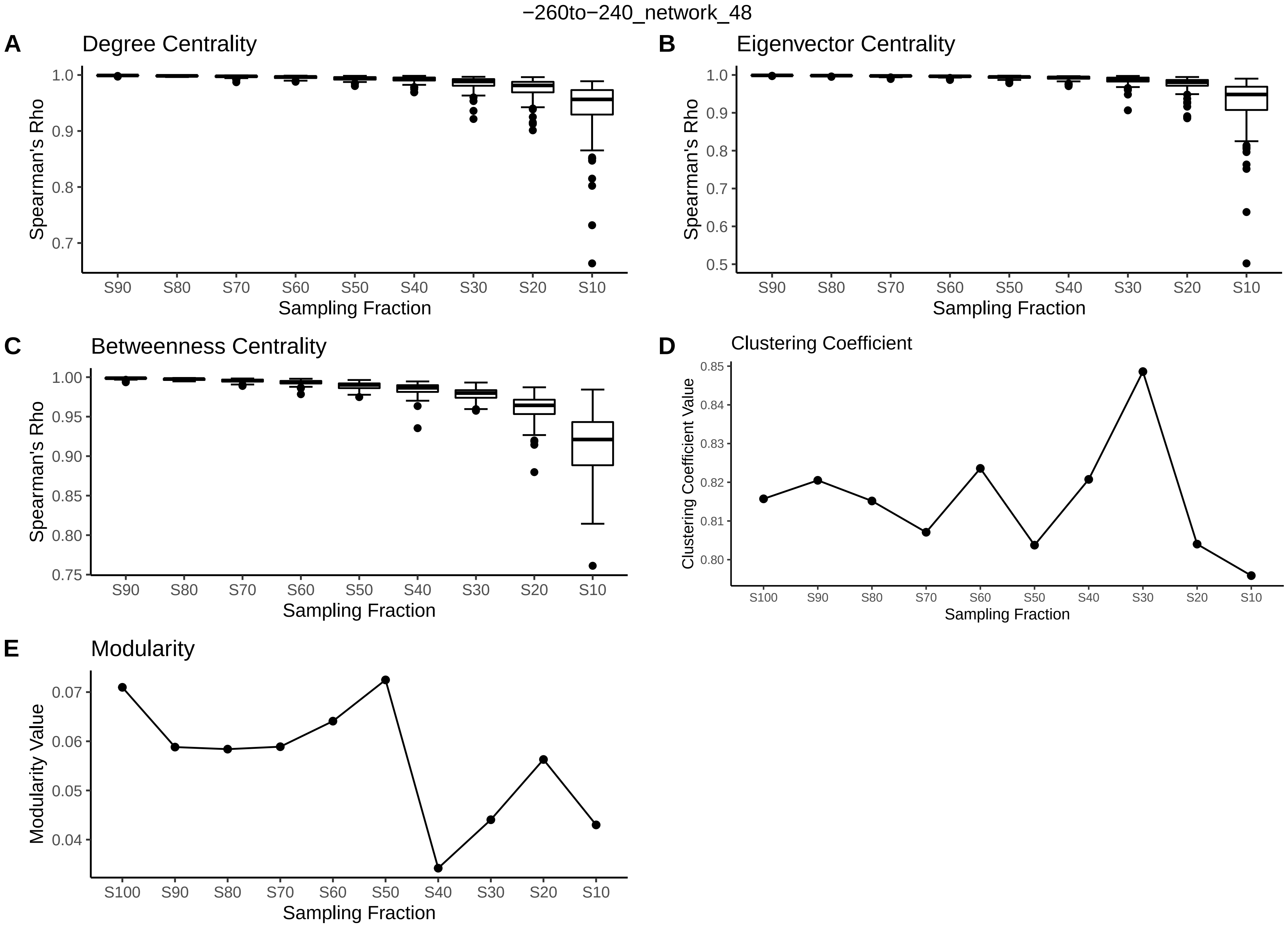

−280to−260_network_25
A
Degree Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
0.6
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
0.6
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.950
0.925
0.900
0.875
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.075
0.050
0.025
0.000
−0.025
−0.050
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

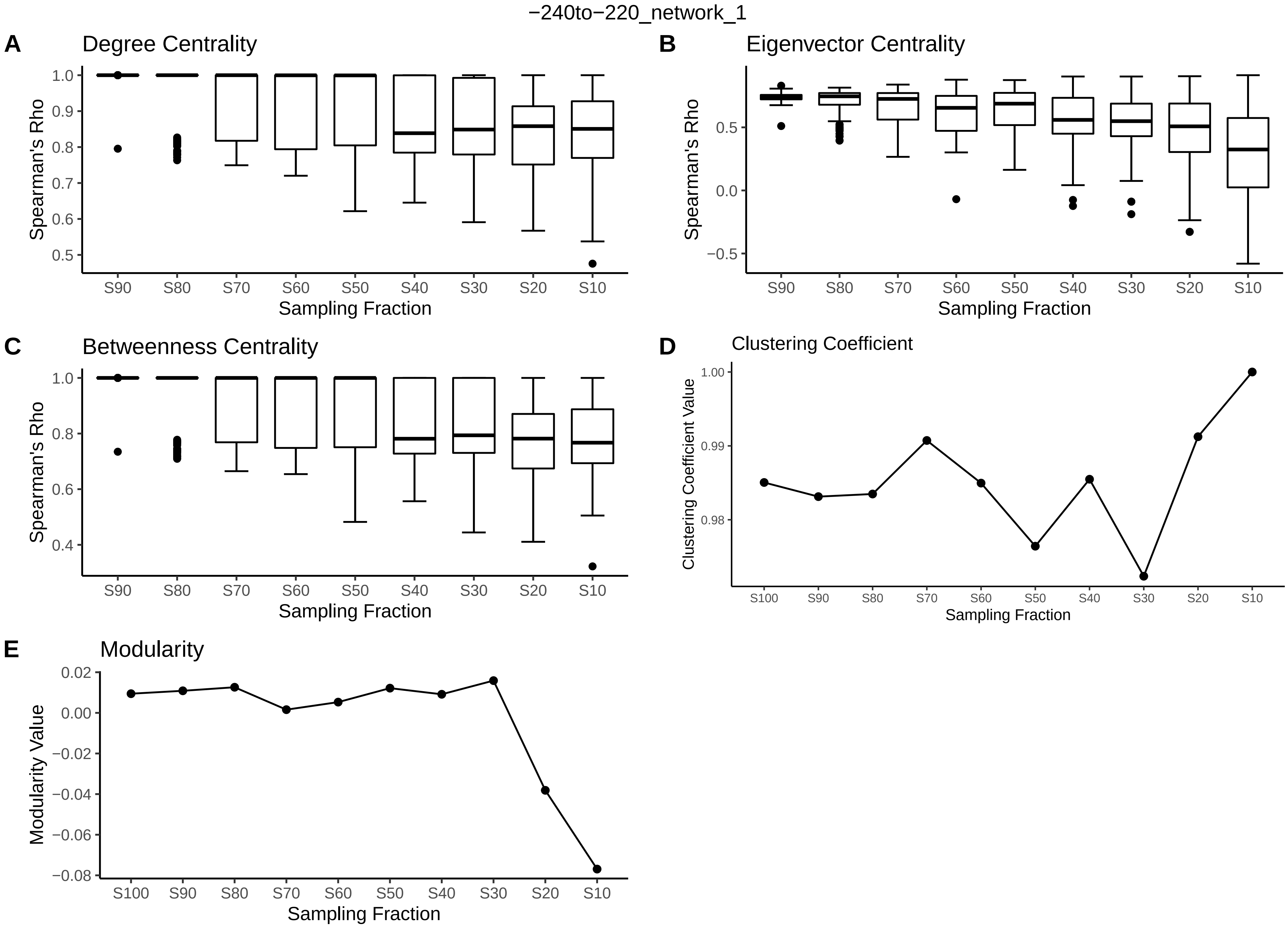

−280to−260_network_49
A
Degree Centrality
Spearman's Rho
1.00
0.95
0.90
0.85
0.80
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.84
0.83
0.82
0.81
0.80
0.79
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.07
0.06
0.05
0.04
0.03
0.02
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction


−260to−240_network_1
A
Degree Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.5
0.0
−0.5
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
1.000
0.995
0.990
0.985
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.00
−0.02
−0.04
−0.06
−0.08
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

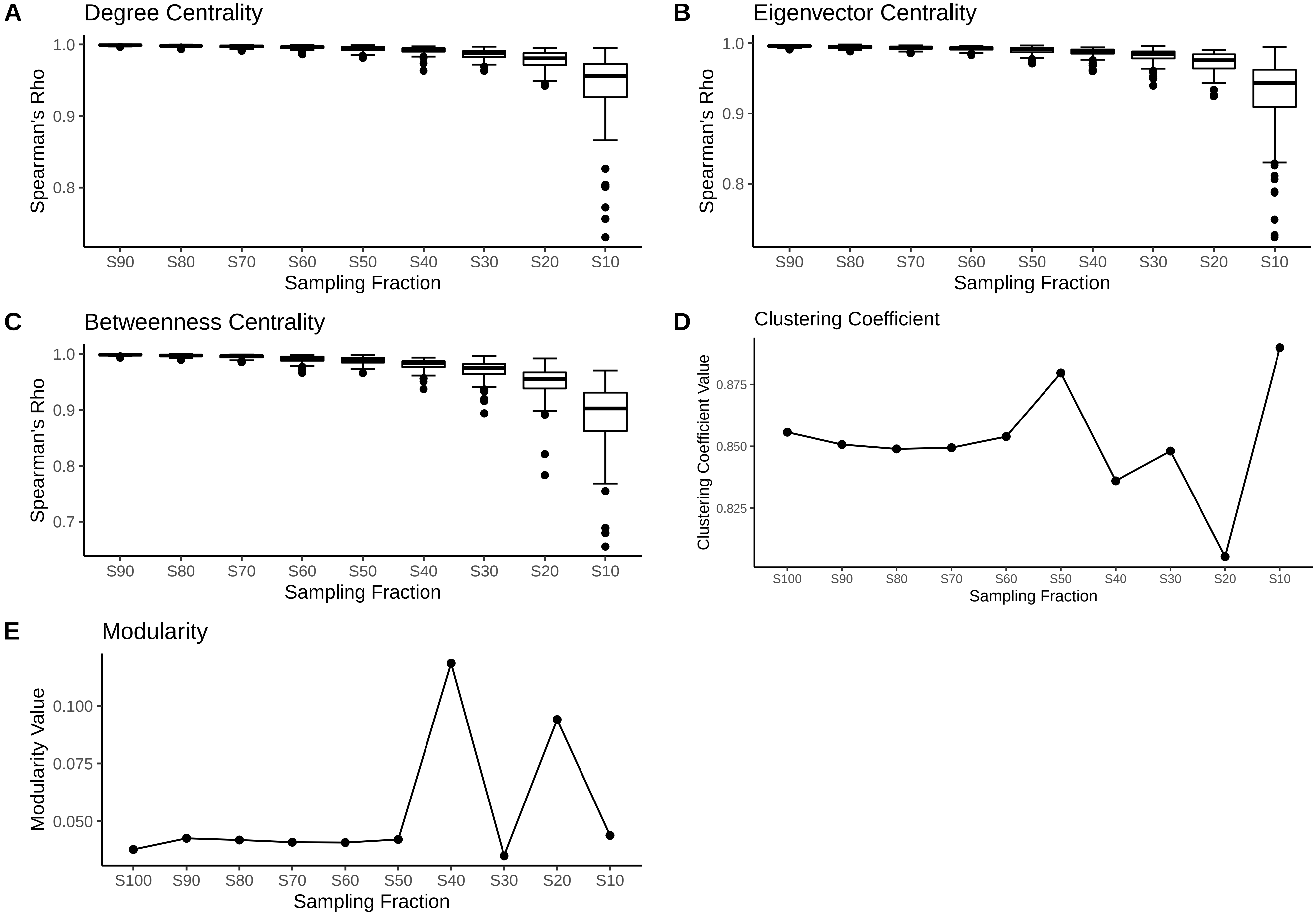
−260to−240_network_24



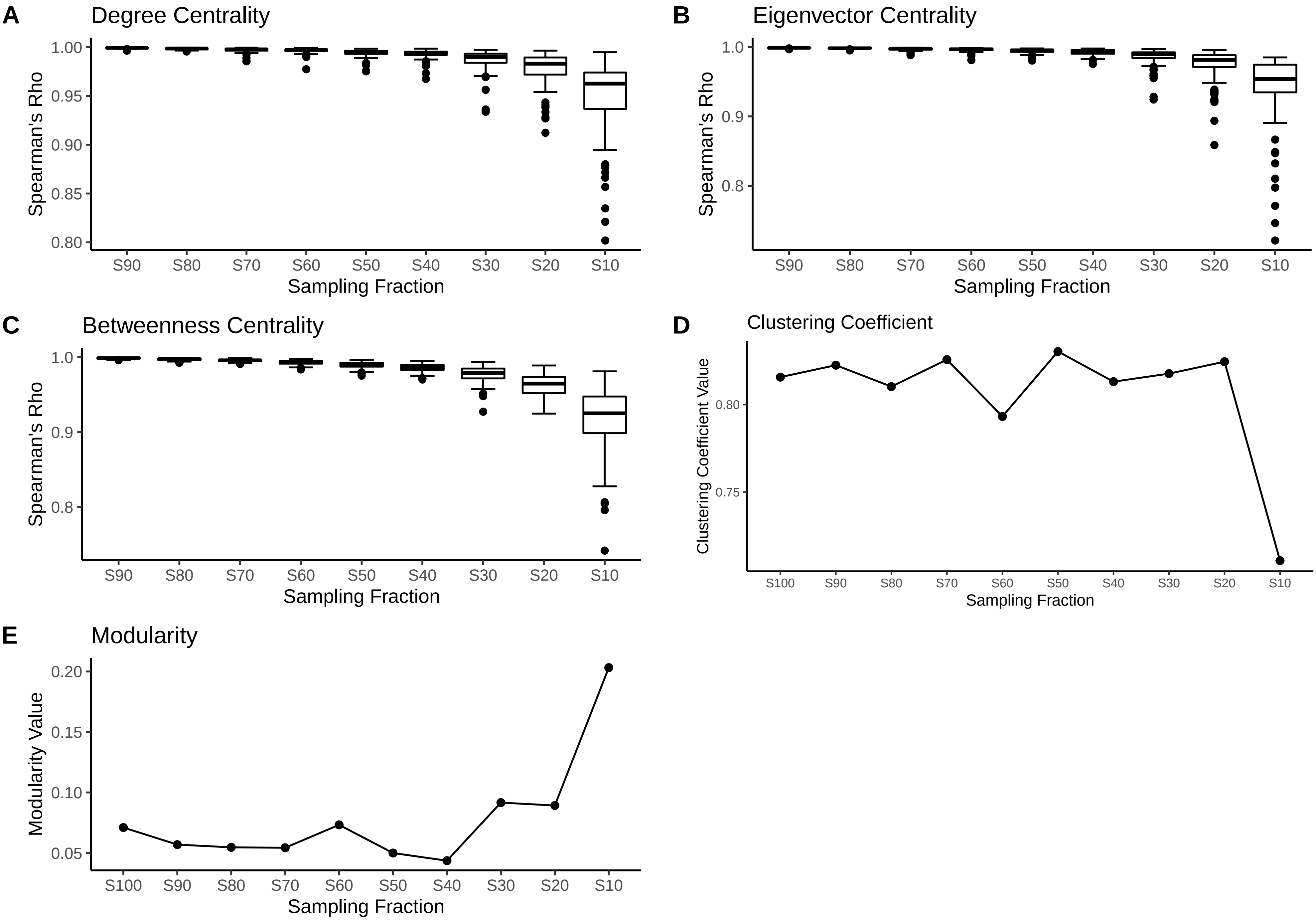

−260to−240_network_48
A
Degree Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
0.6
0.5
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.00
0.95
0.90
0.85
0.80
0.75
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.85
0.84
0.83
0.82
0.81
0.80
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.07
0.06
0.05
0.04
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

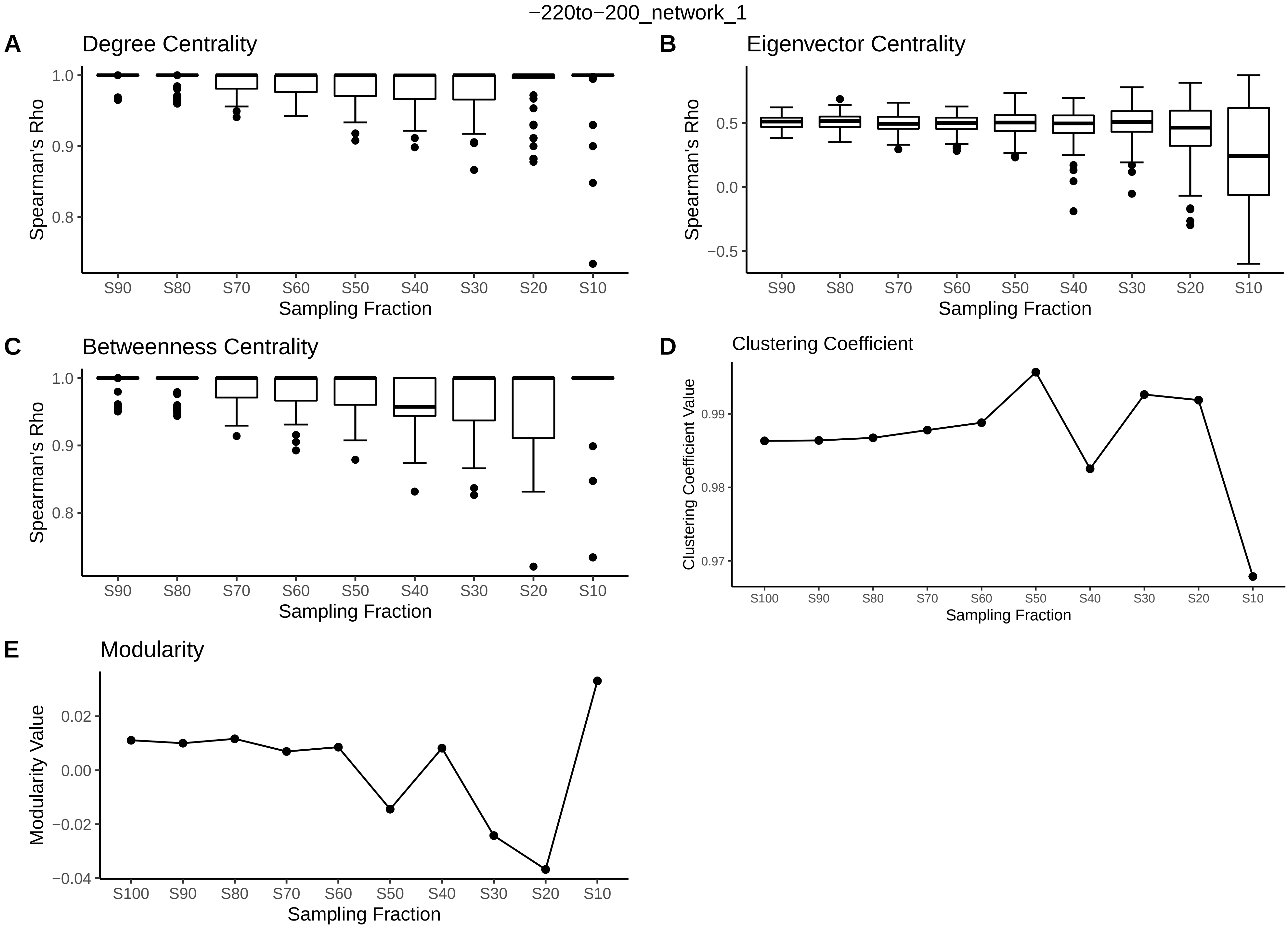

−240to−220_network_1
A
Degree Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
0.6
0.5
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
0.5
0.0
−0.5
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
1.00
0.99
0.98
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.02
0.00
−0.02
−0.04
−0.06
−0.08
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

−240to−220_network_24

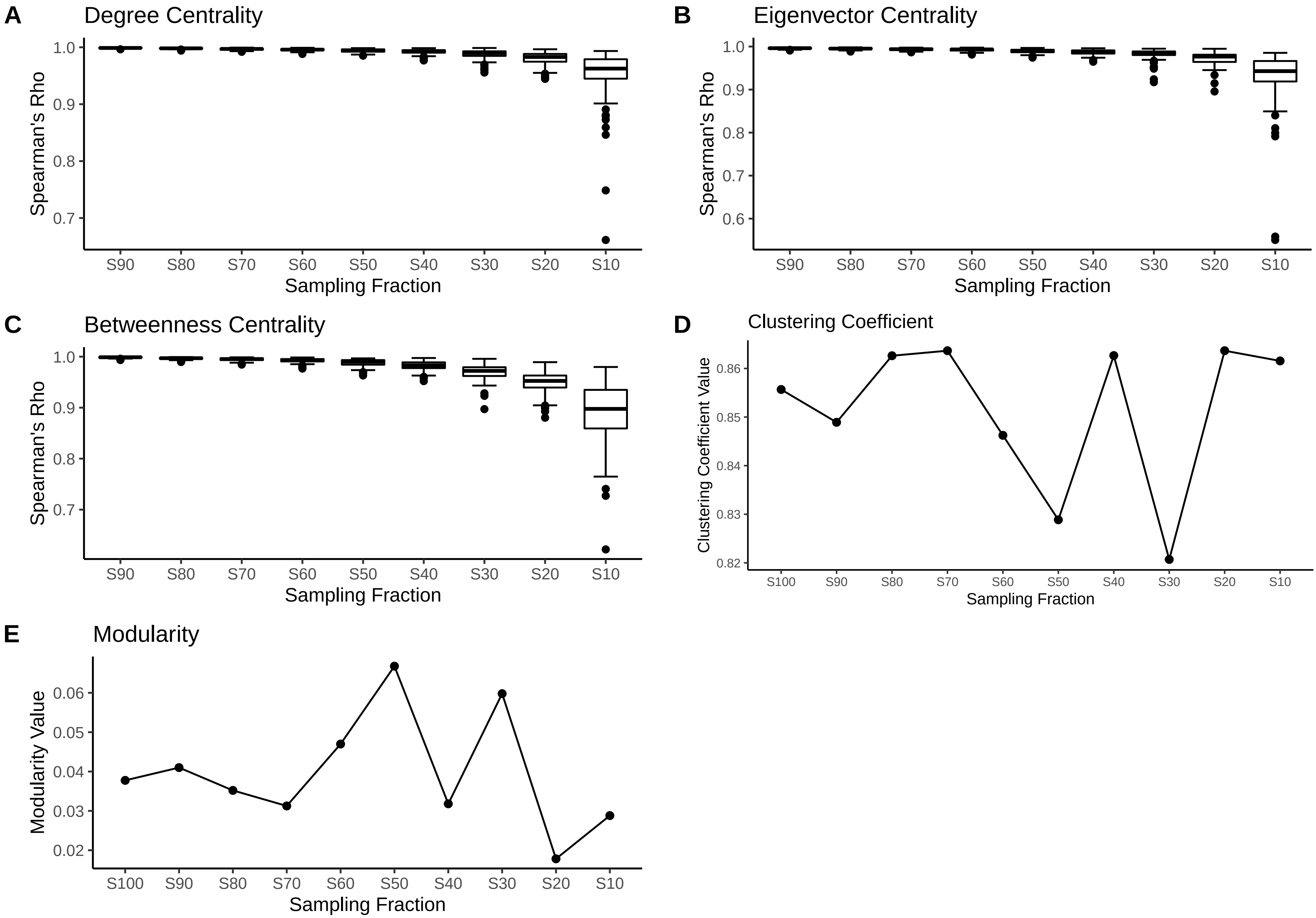


−240to−220_network_47

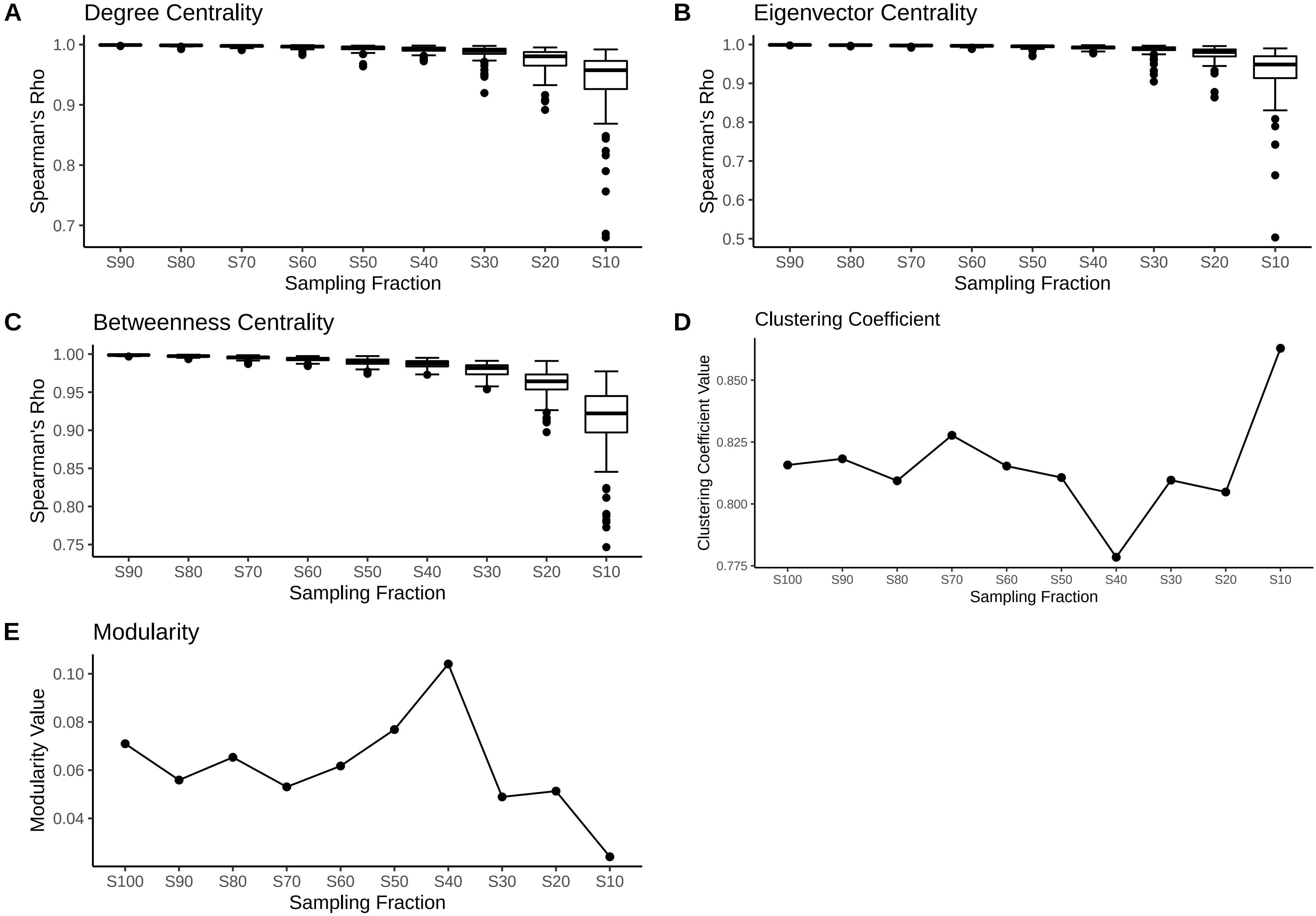


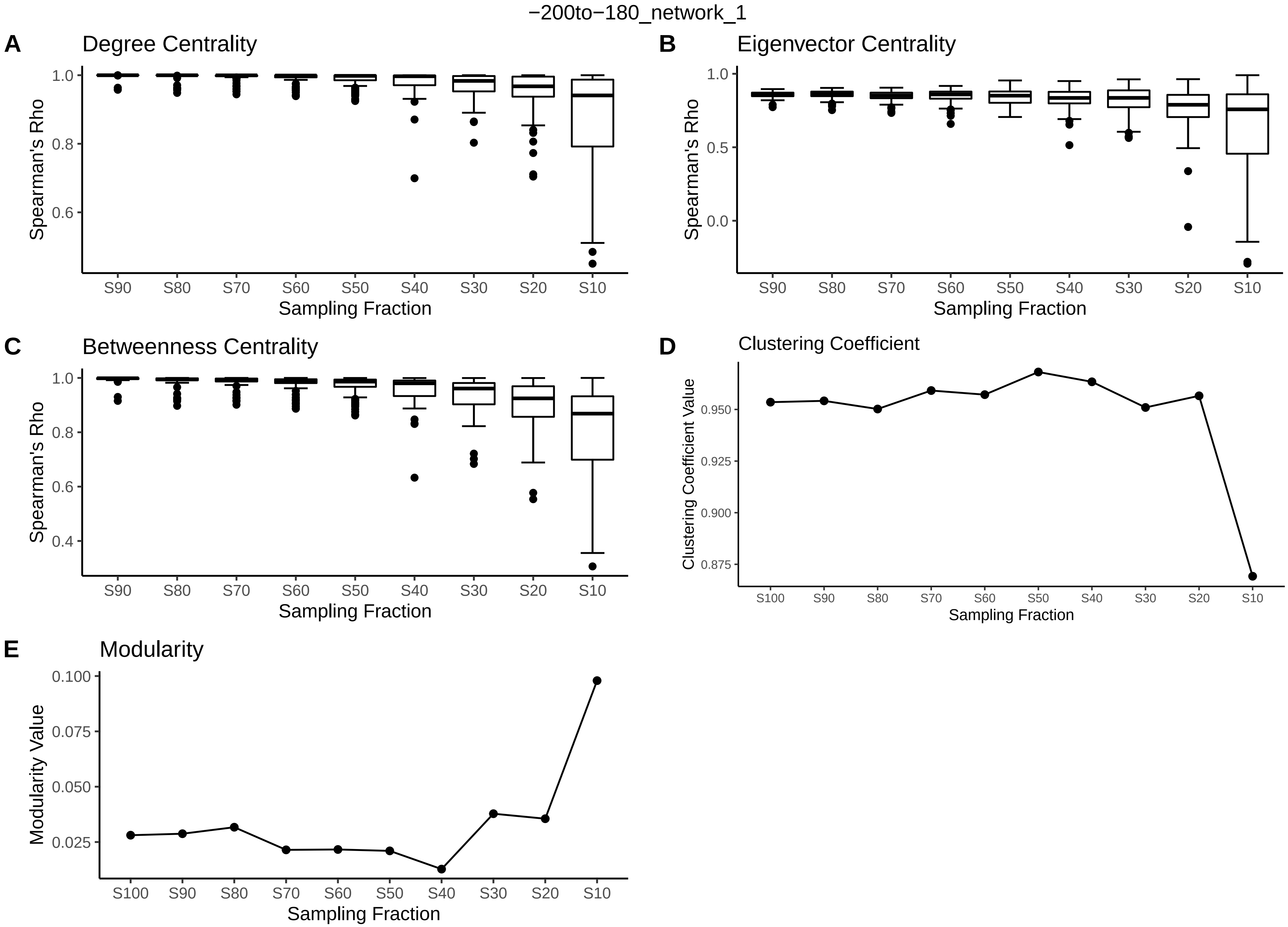

−220to−200_network_1
A
Degree Centrality
Spearman's Rho
1.0
0.9
0.8
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
0.5
0.0
−0.5
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.9
0.8
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.99
0.98
0.97
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.02
0.00
−0.02
−0.04
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

−220to−200_network_23

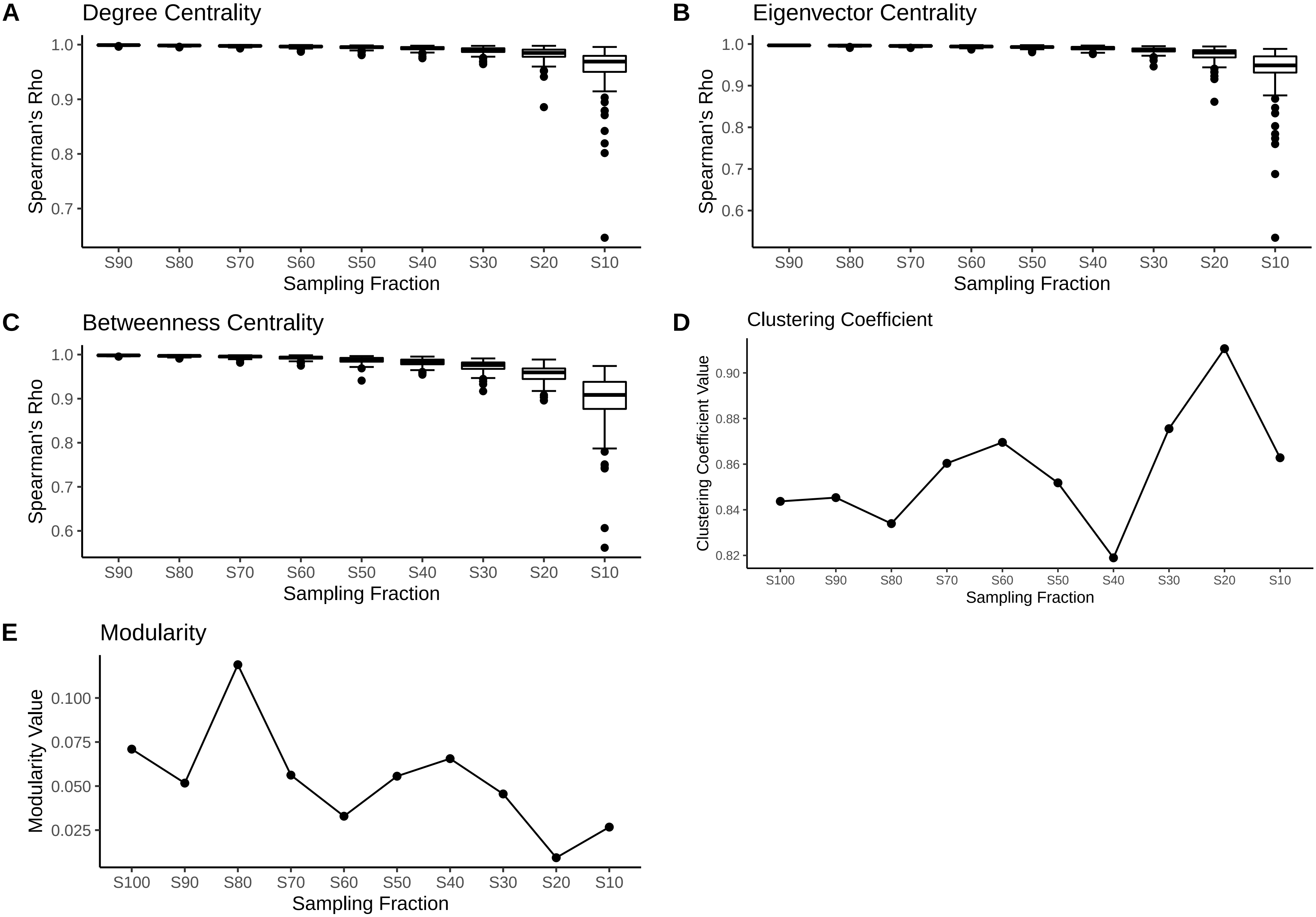


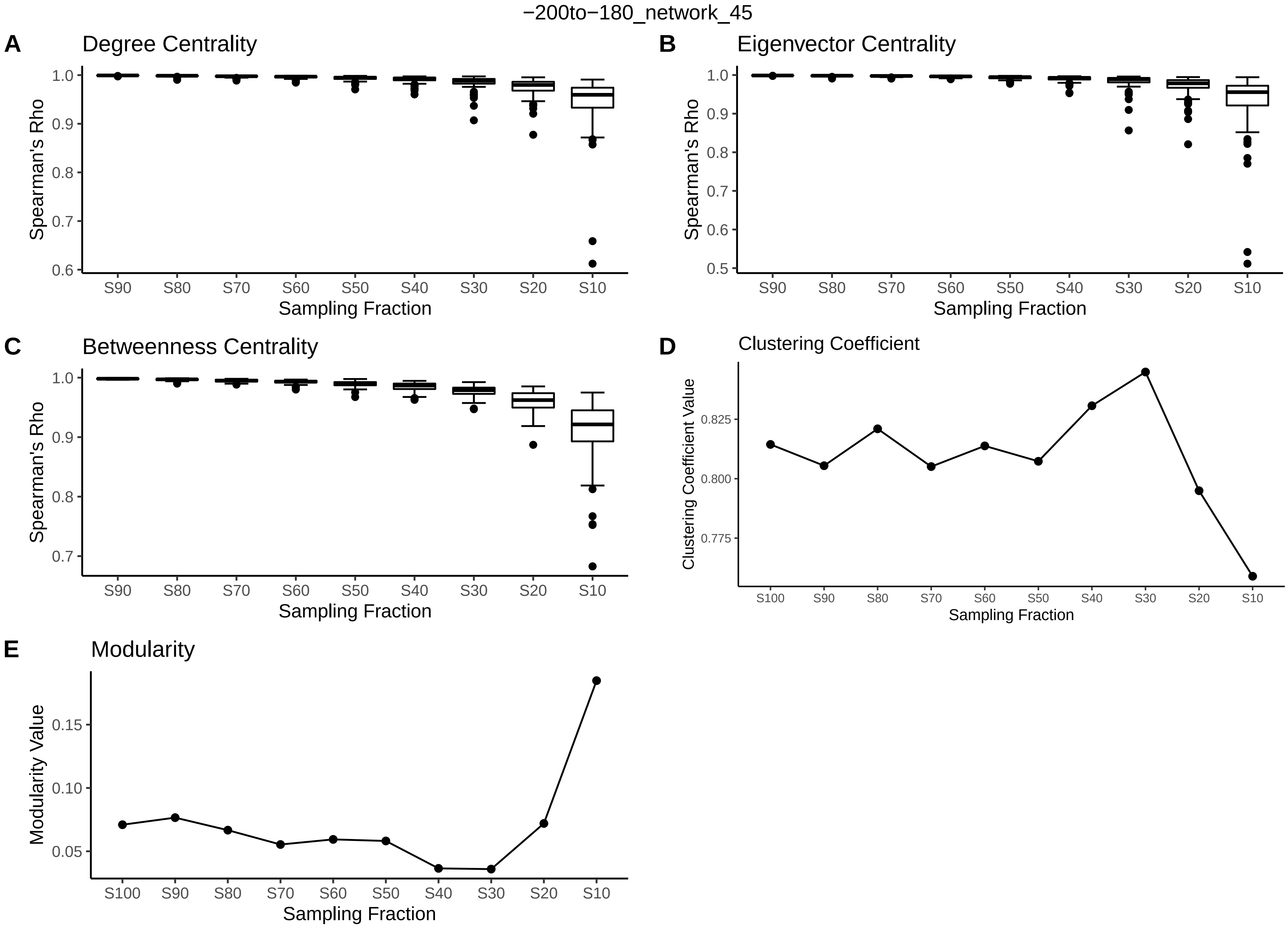
−220to−200_network_46



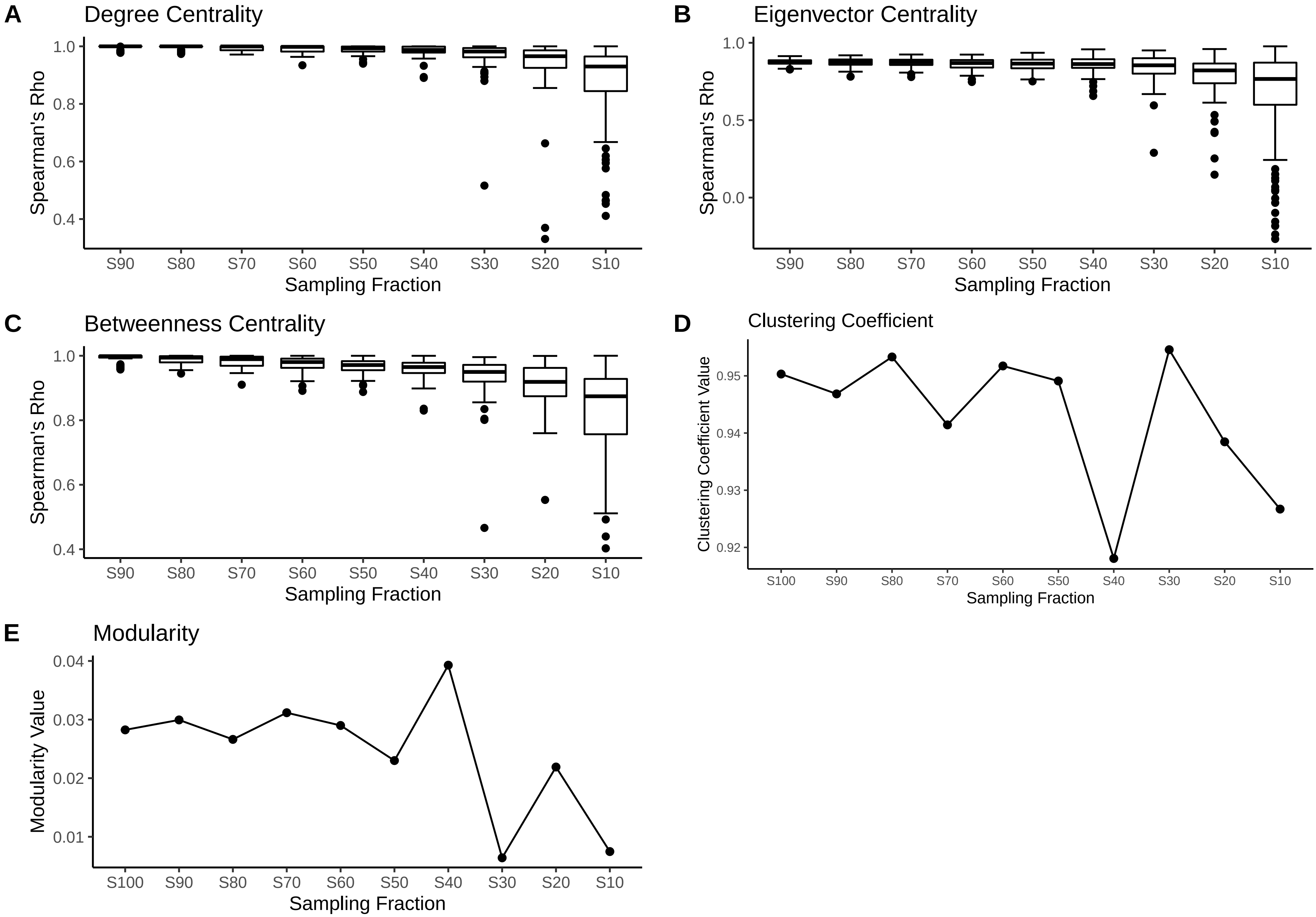

−200to−180_network_1
A
Degree Centrality
Spearman's Rho
1.0
0.8
0.6
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.5
0.0
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.950
0.925
0.900
0.875
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.100
0.075
0.050
0.025
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

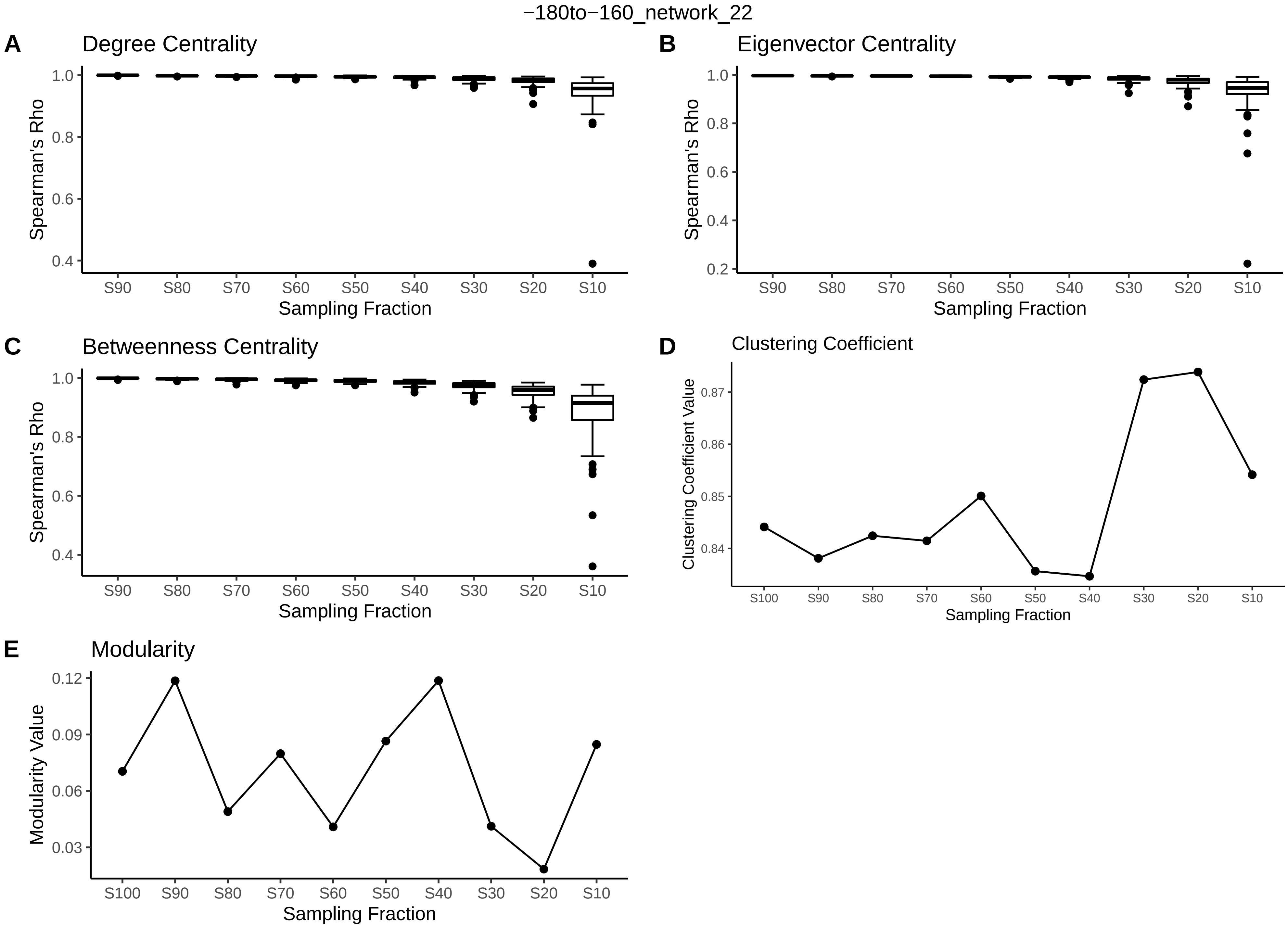
−200to−180_network_23

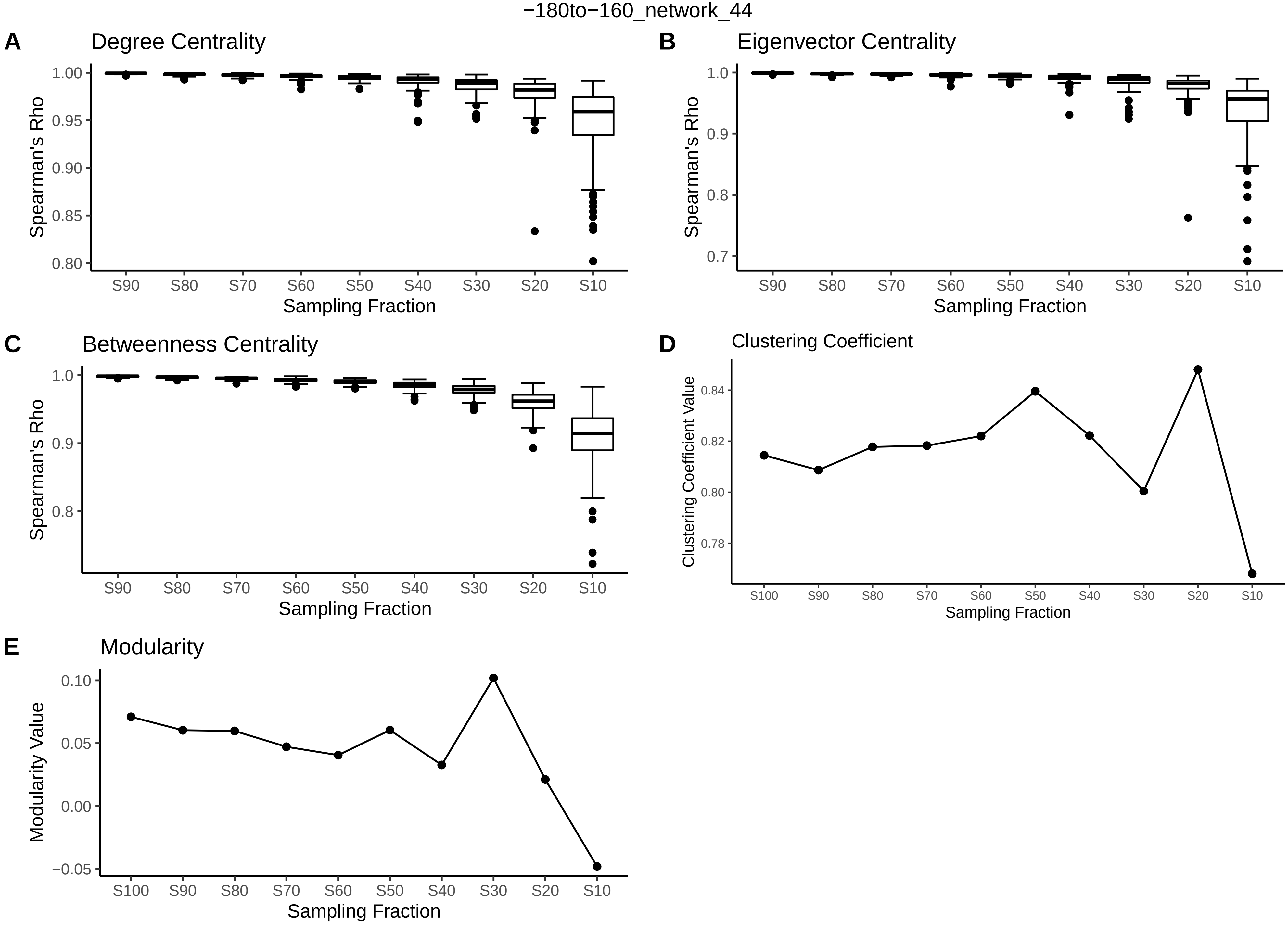


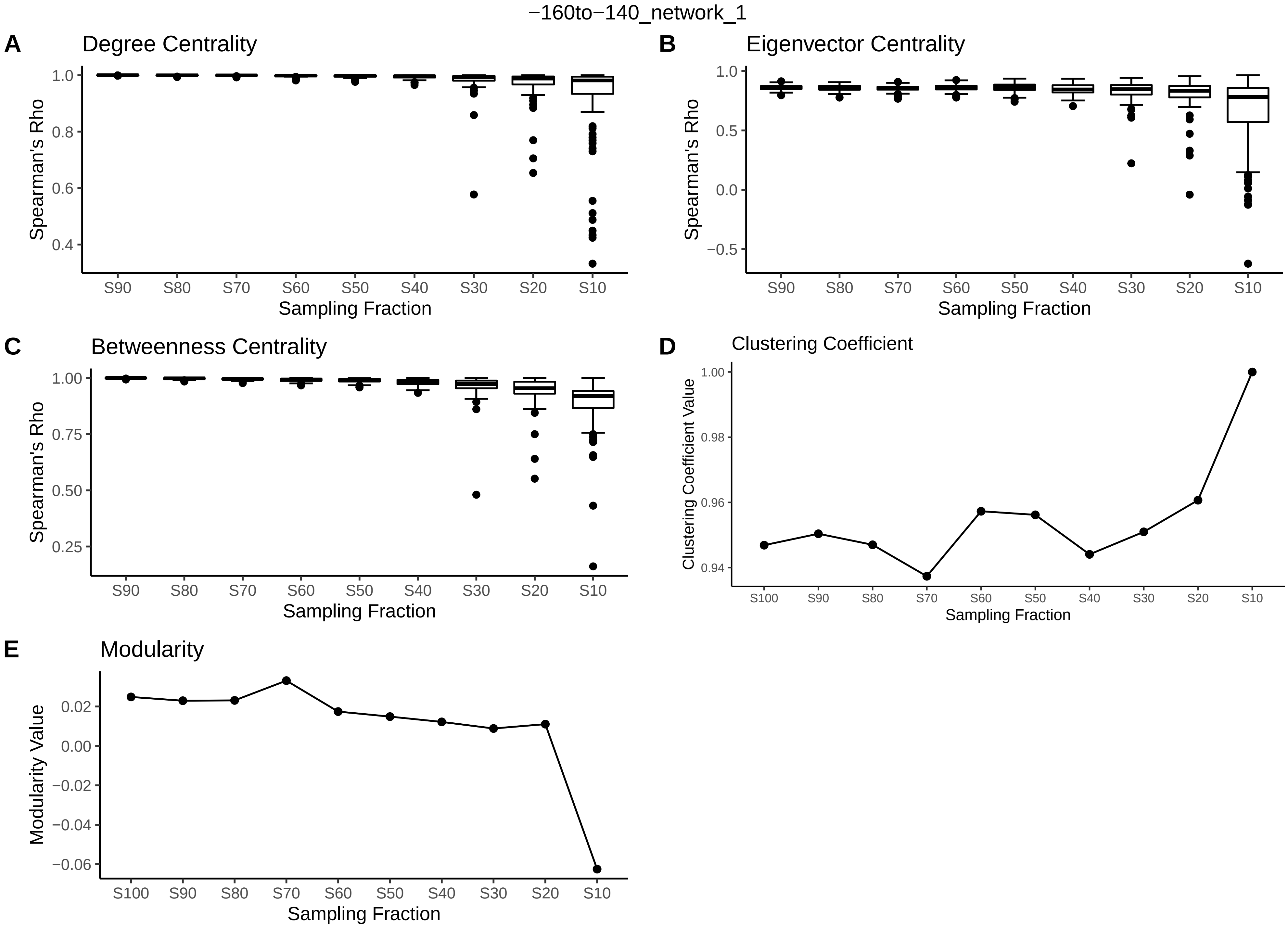

−200to−180_network_45
A
Degree Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
0.6
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
0.6
0.5
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.825
0.800
0.775
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.15
0.10
0.05
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

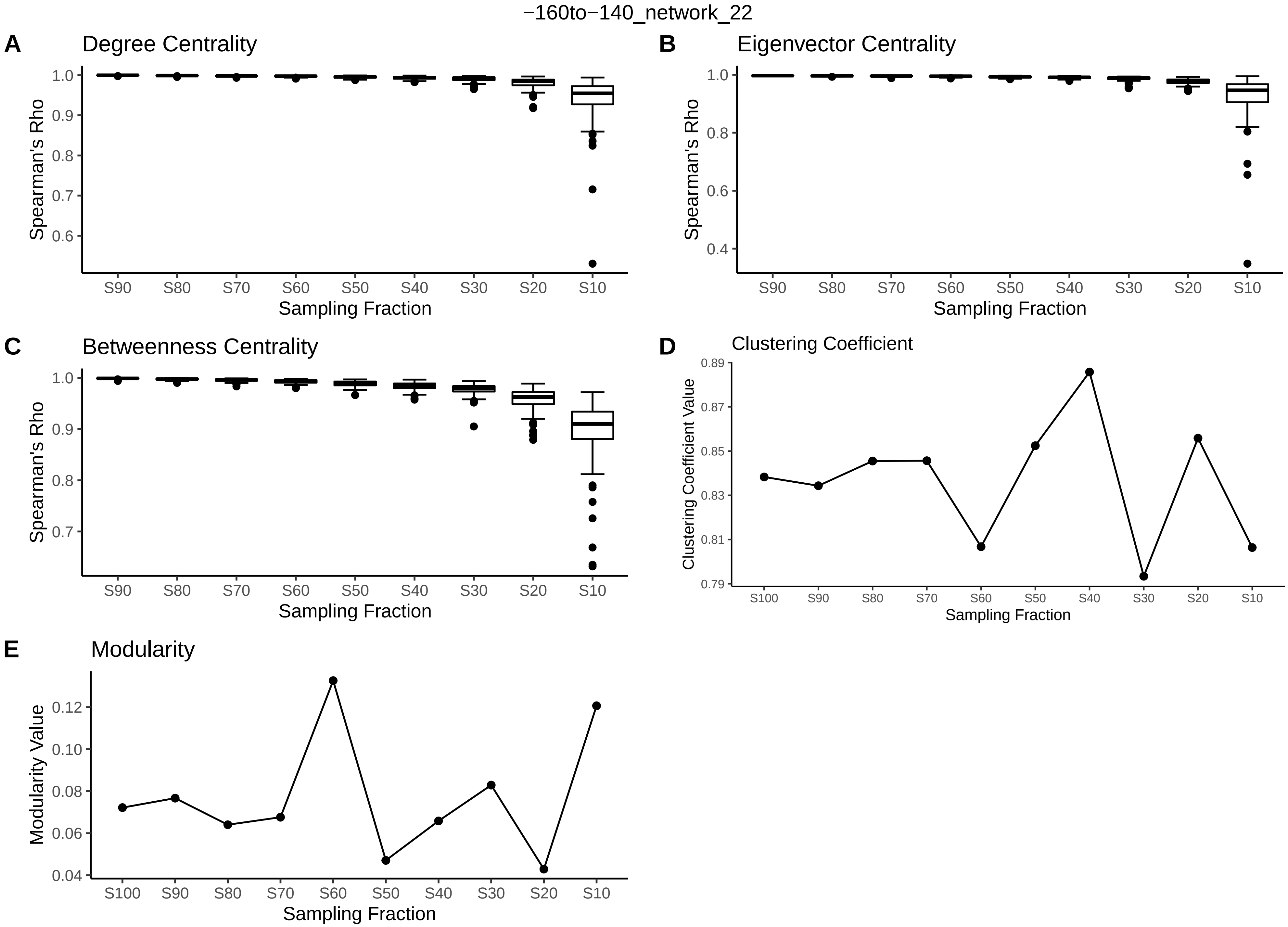
−180to−160_network_1

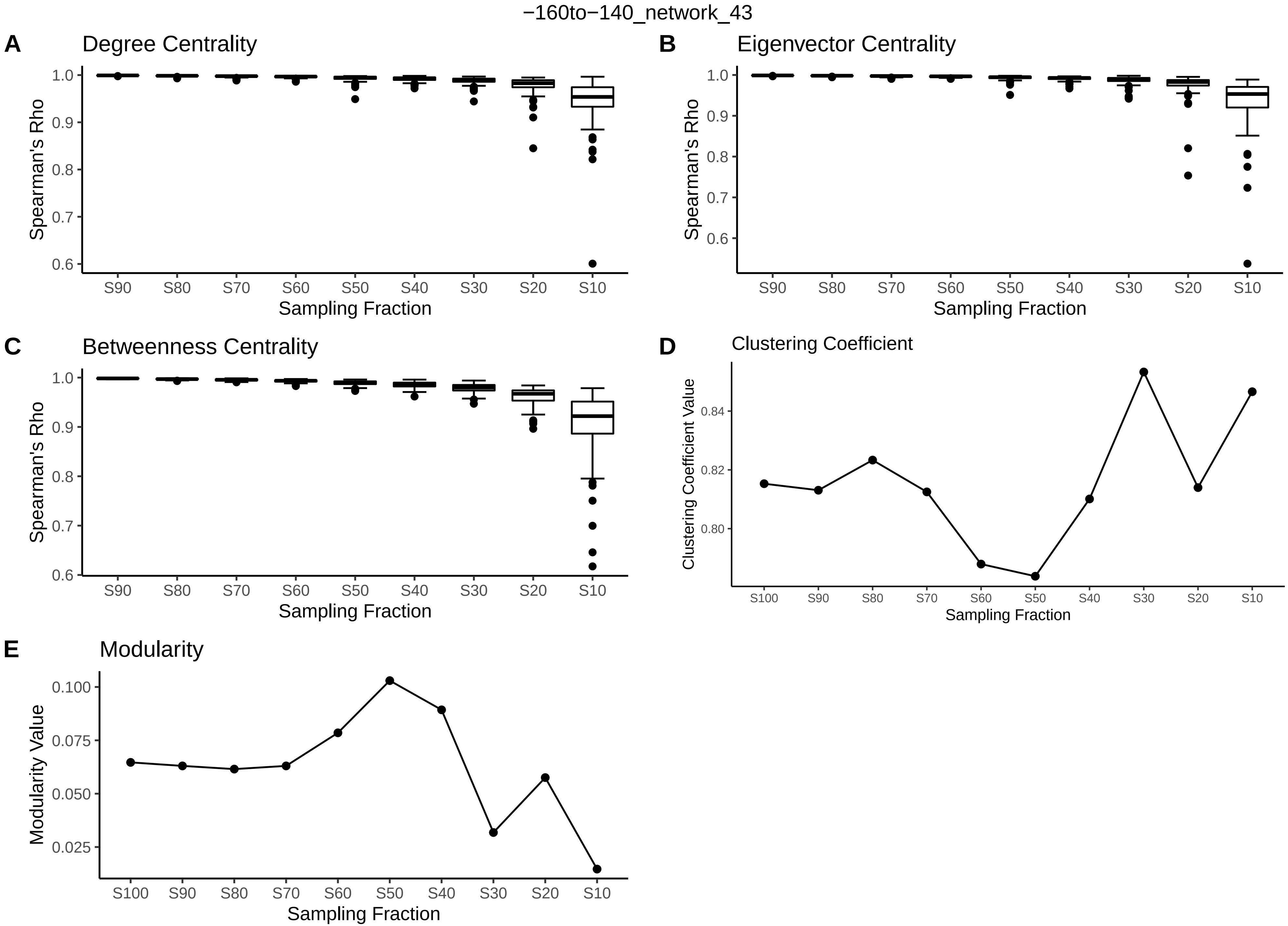


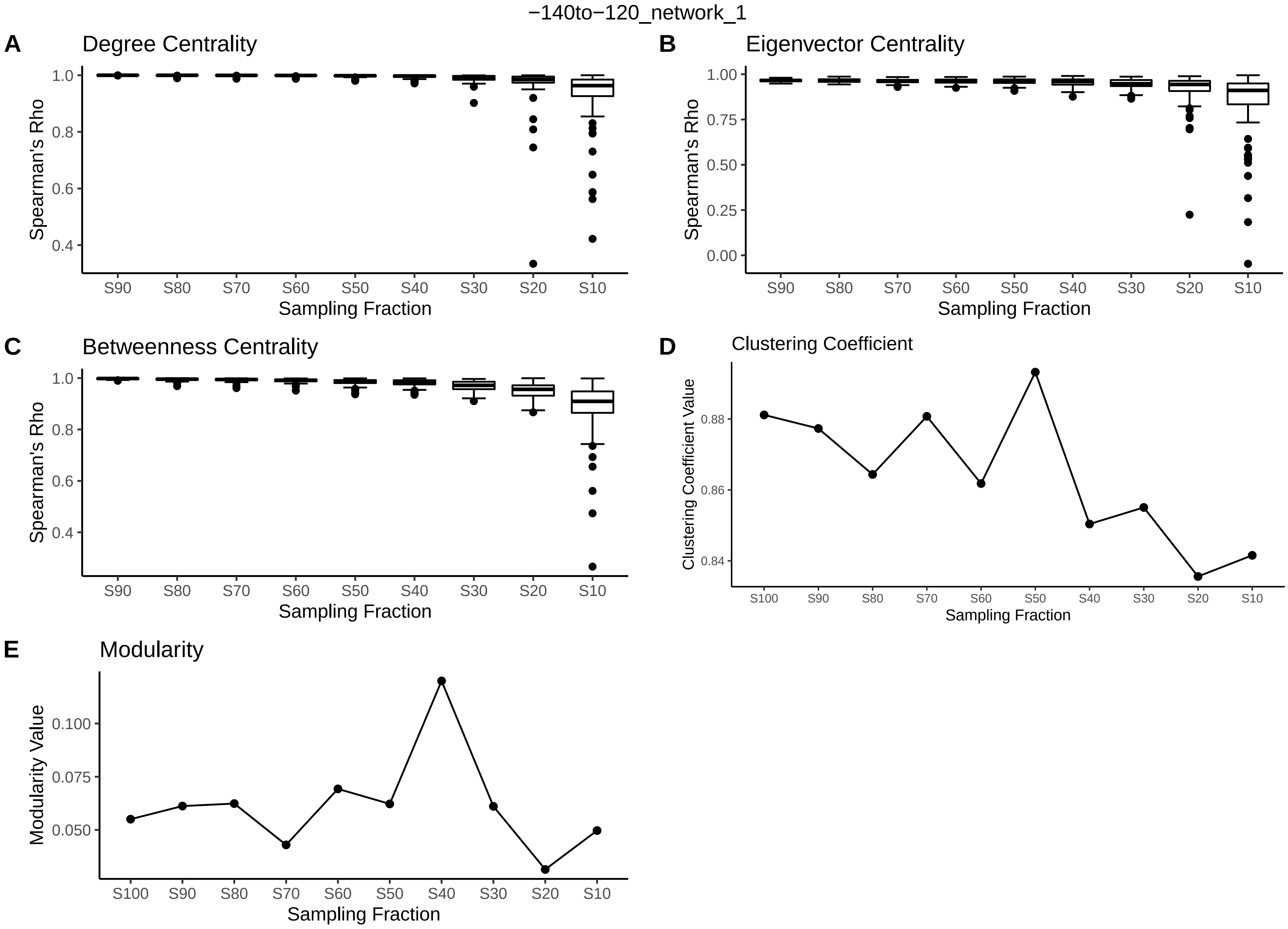

−180to−160_network_22
A
Degree Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90 S80 S70 S60 S50 S40 S30 S20 S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
0.2
S90 S80 S70 S60 S50 S40 S30 S20 S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90 S80 S70 S60 S50 S40 S30 S20 S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.87
0.86
0.85
0.84
S100 S90 S80 S70 S60 S50 S40 S30 S20 S10
Sampling Fraction
E
Modularity
Modularity Value
0.12
0.09
0.06
0.03
S100 S90 S80 S70 S60 S50 S40 S30 S20 S10
Sampling Fraction

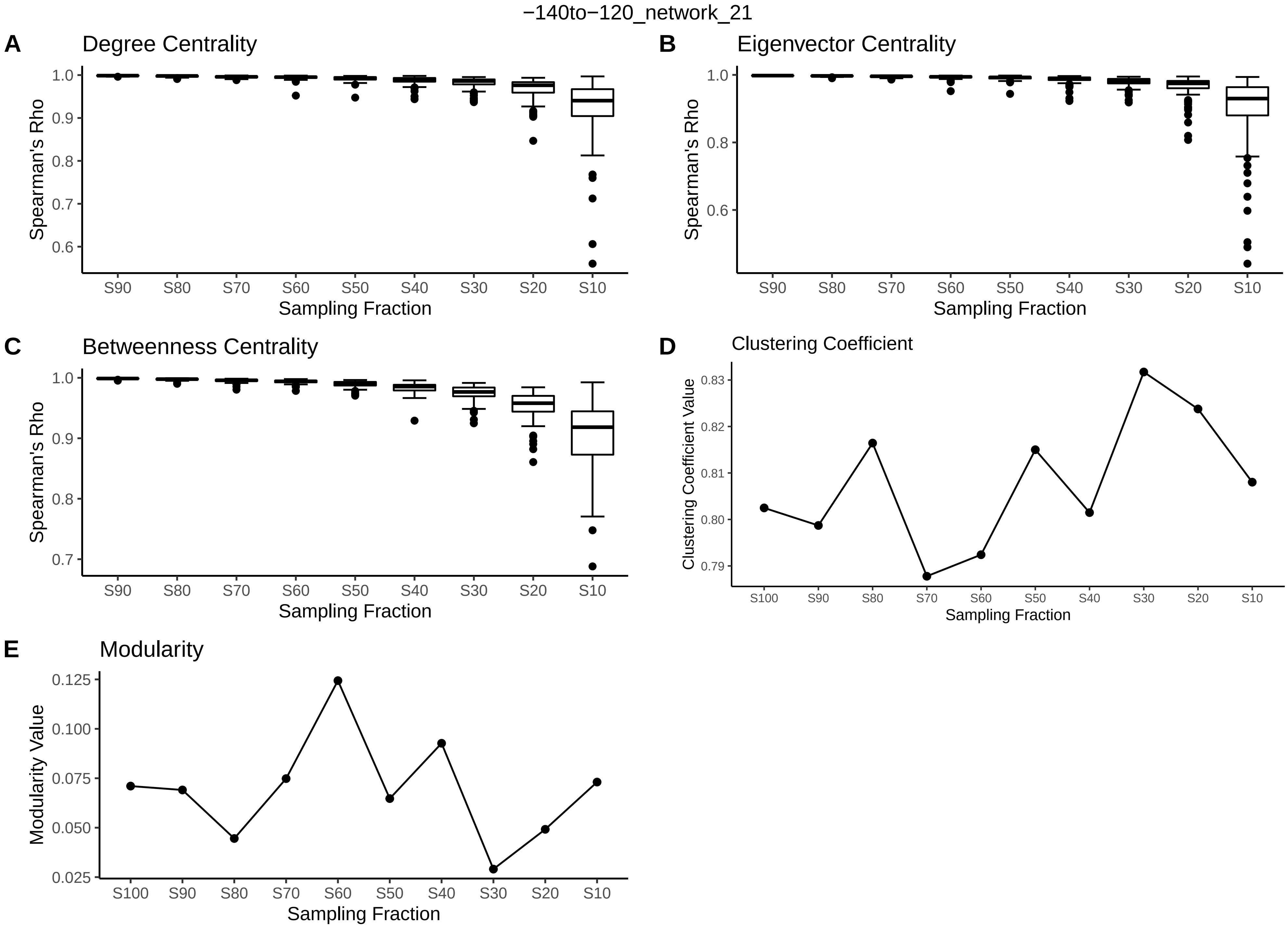

−180to−160_network_44
A
Degree Centrality
Spearman's Rho
1.00
0.95
0.90
0.85
0.80
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.9
0.8
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.84
0.82
0.80
0.78
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.10
0.05
0.00
−0.05
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction


−160to−140_network_1
A
Degree Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.5
0.0
−0.5
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.00
0.75
0.50
0.25
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
1.00
0.98
0.96
0.94
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.02
0.00
−0.02
−0.04
−0.06
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

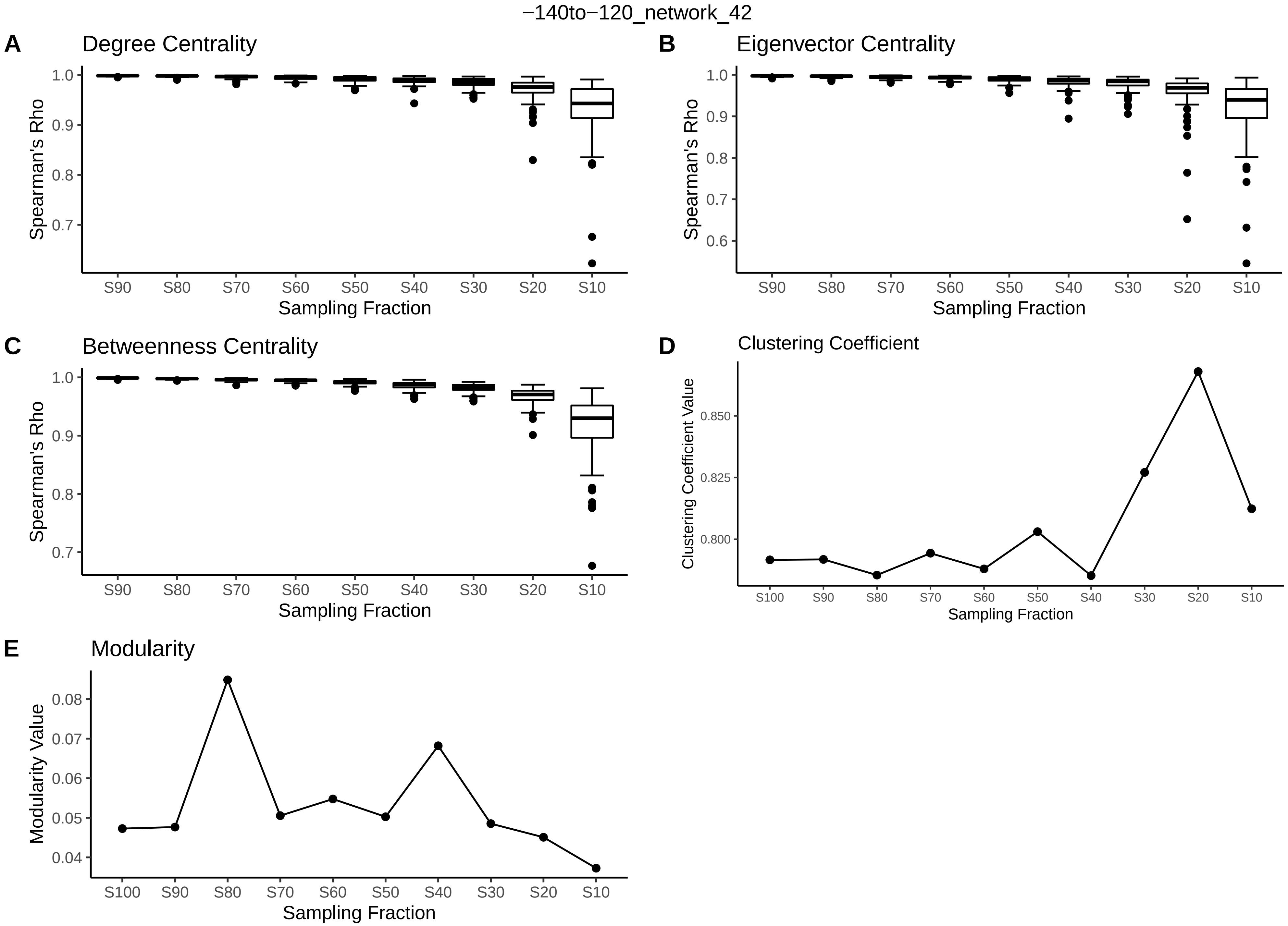

−160to−140_network_22
A
Degree Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
0.6
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.89
0.87
0.85
0.83
0.81
0.79
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.12
0.10
0.08
0.06
0.04
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

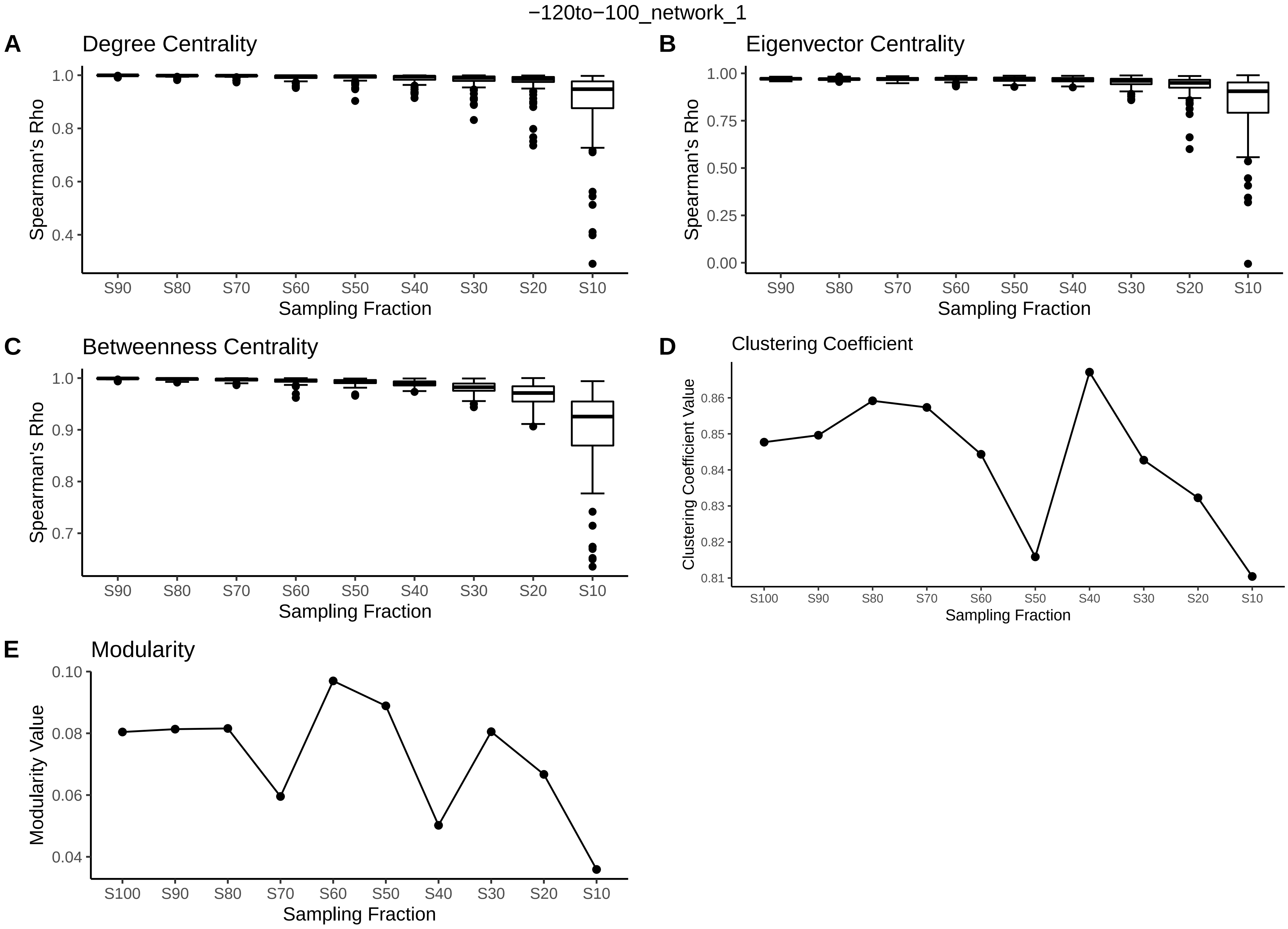

−160to−140_network_43
A
Degree Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
0.6
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
0.6
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
0.6
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.84
0.82
0.80
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.100
0.075
0.050
0.025
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

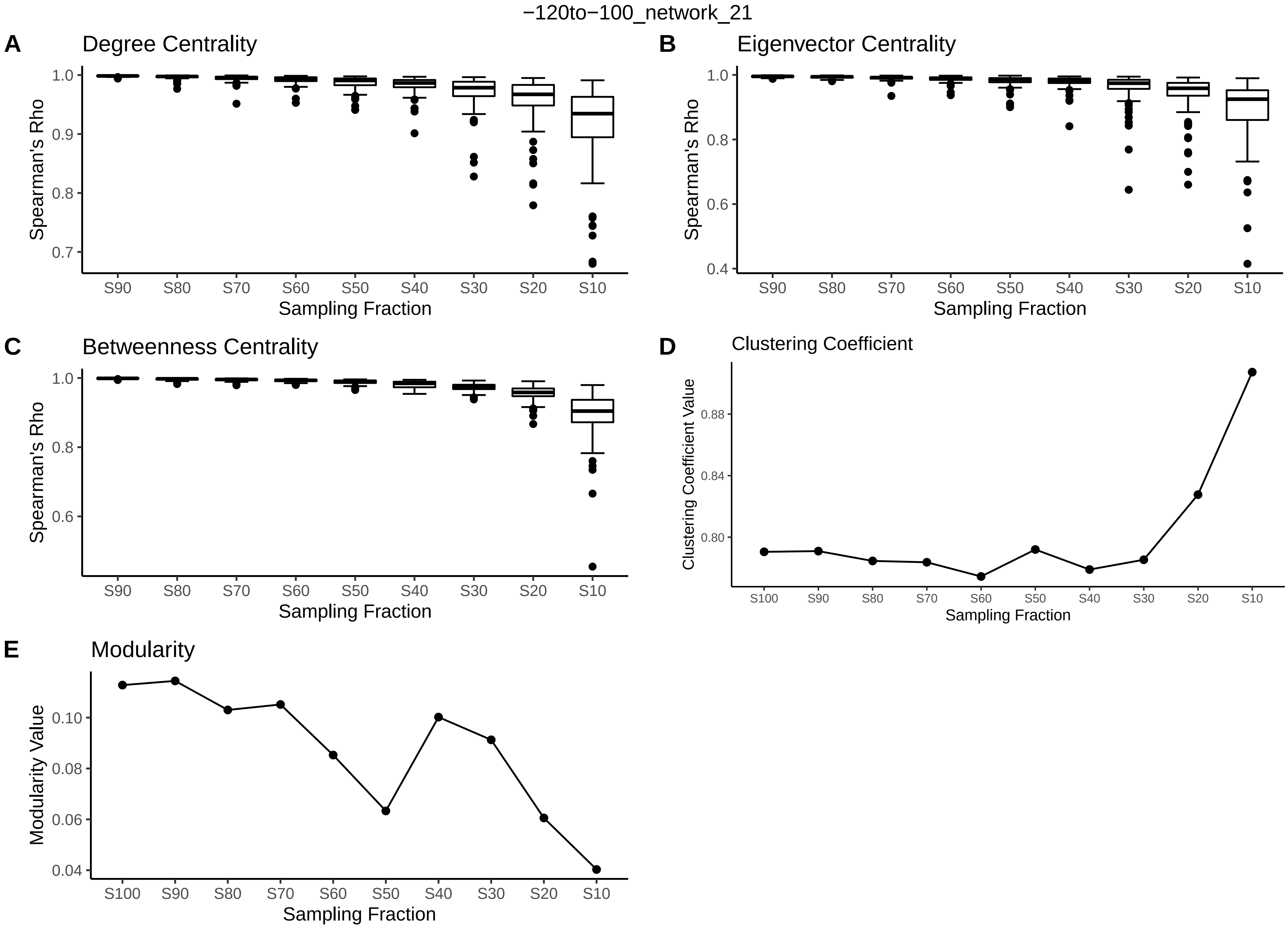

−140to−120_network_1
A
Degree Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.00
0.75
0.50
0.25
0.00
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.88
0.86
0.84
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.100
0.075
0.050
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction



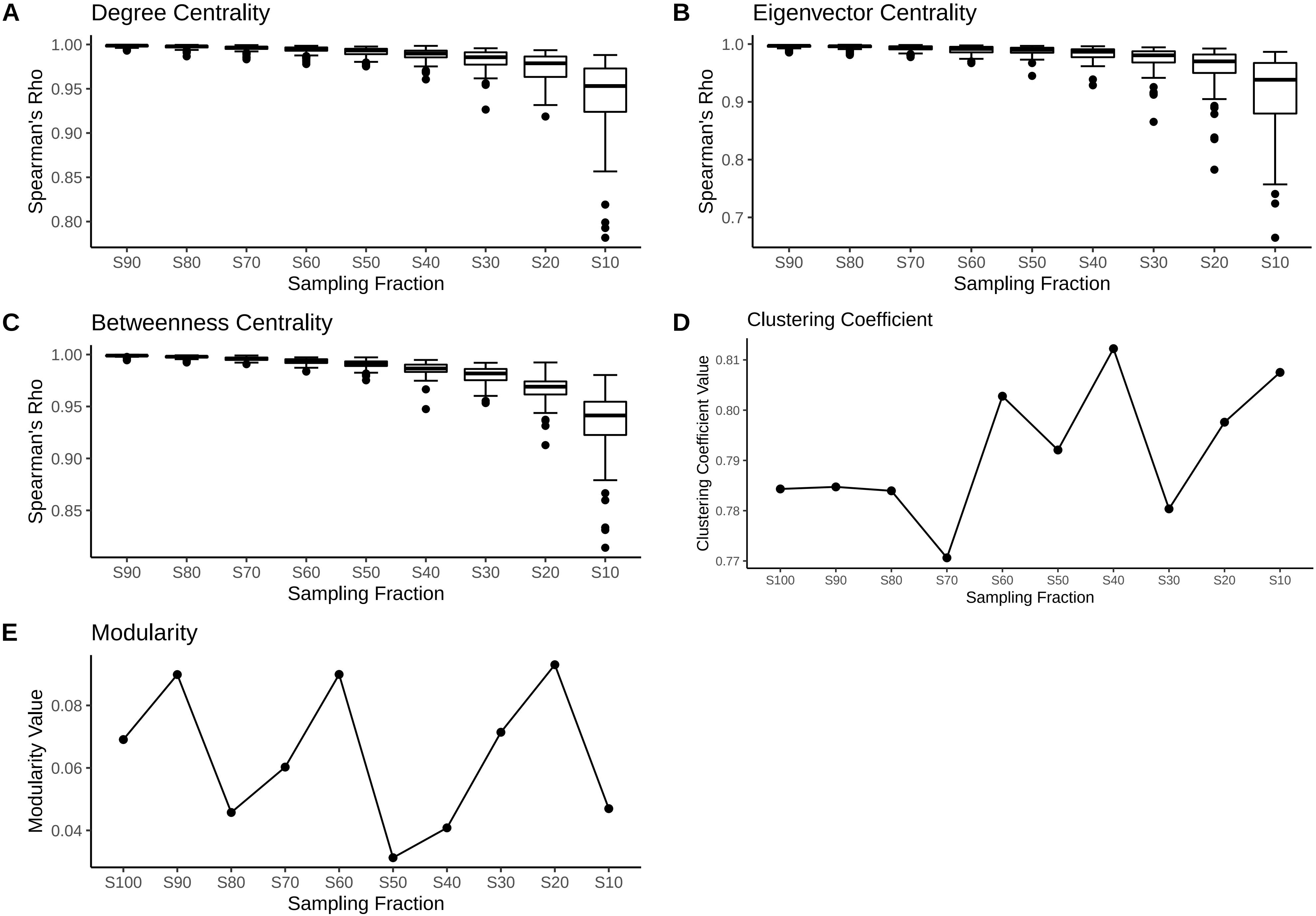
−140to−120_network_21

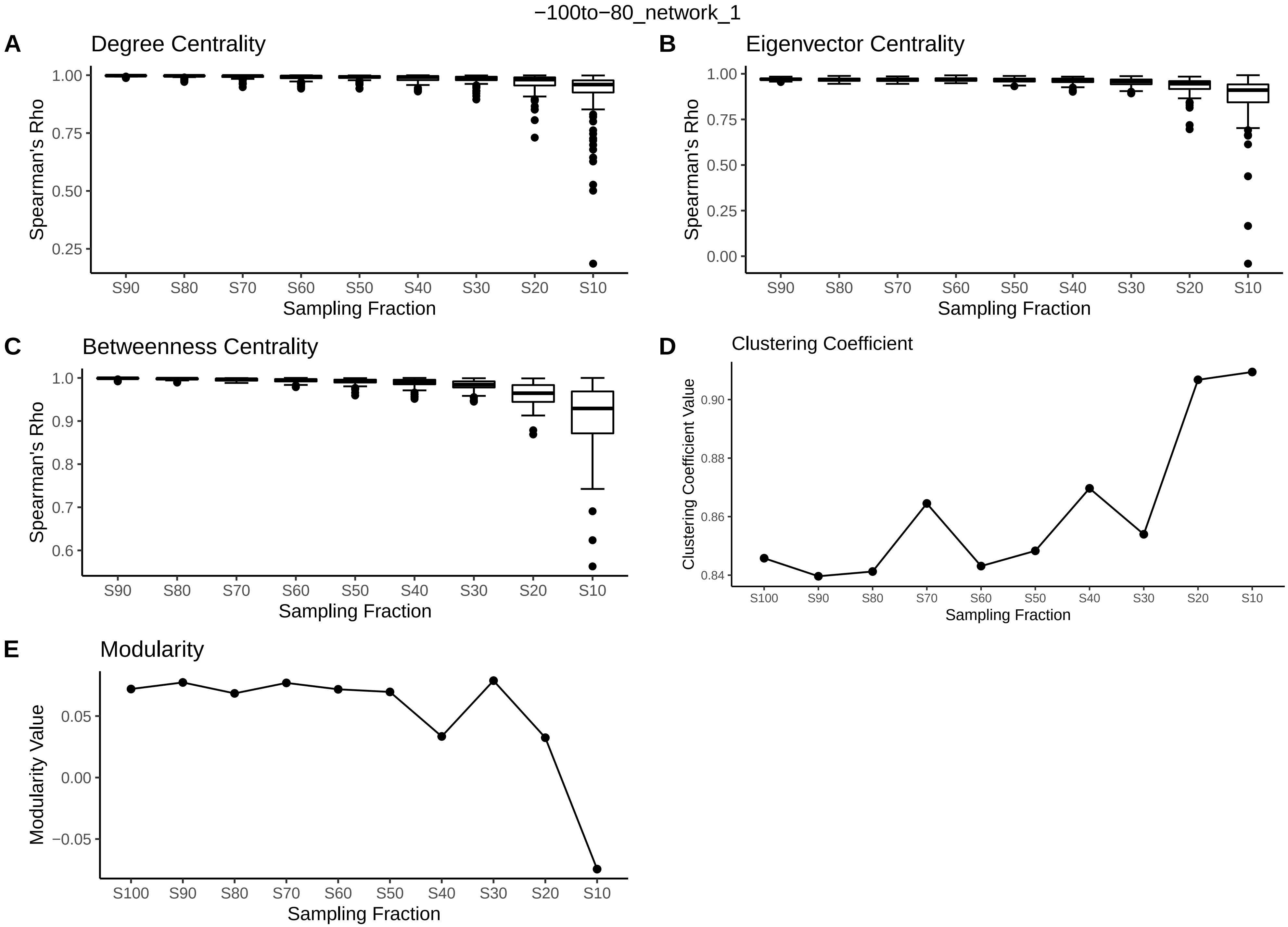

−140to−120_network_42
A
Degree Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
0.6
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.850
0.825
0.800
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.08
0.07
0.06
0.05
0.04
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction


−120to−100_network_1
A
Degree Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.00
0.75
0.50
0.25
0.00
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.86
0.85
0.84
0.83
0.82
0.81
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.10
0.08
0.06
0.04
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

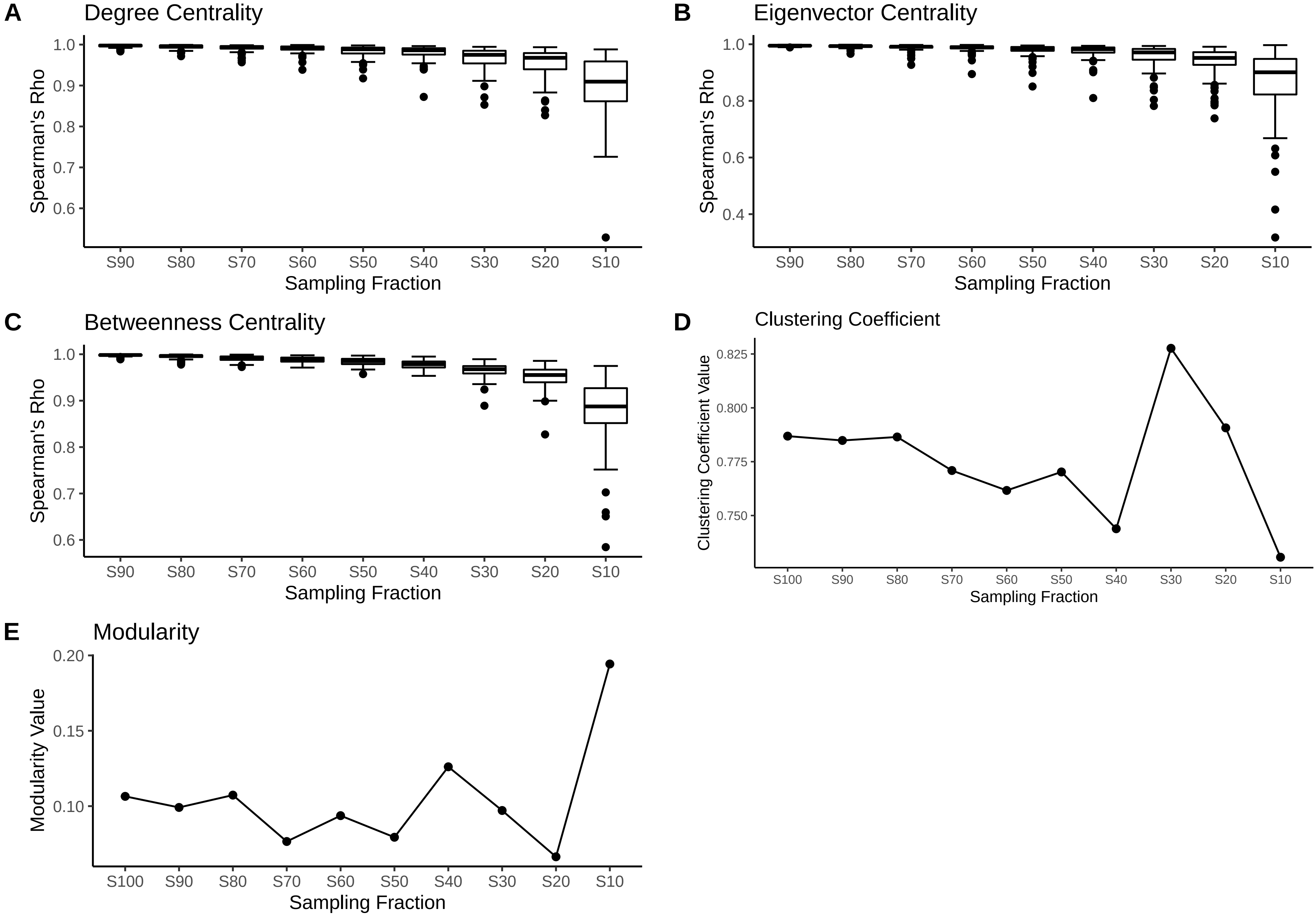

−120to−100_network_21
A
Degree Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.8
0.6
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.88
0.84
0.80
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.10
0.08
0.06
0.04
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

−120to−100_network_41

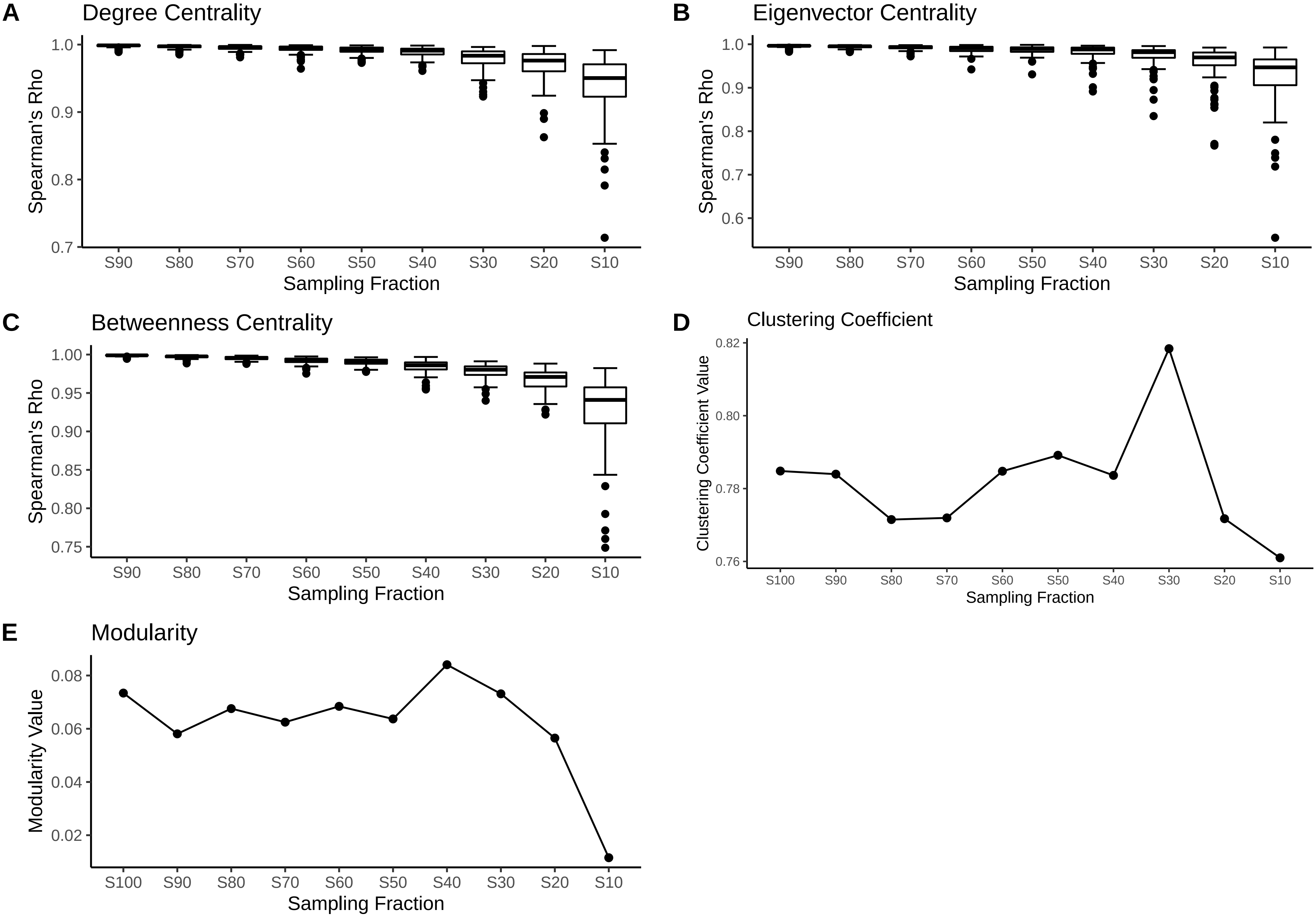


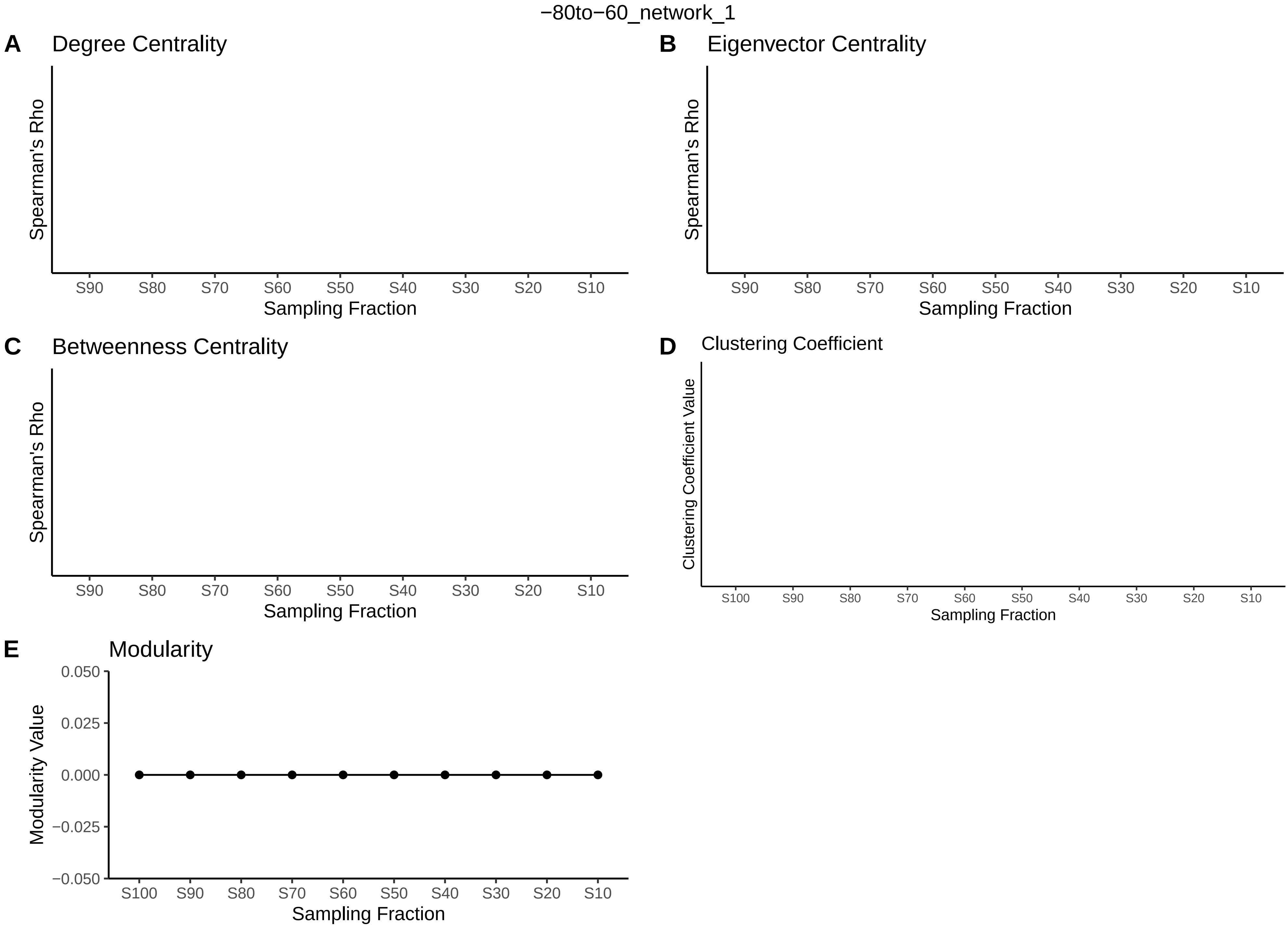

−100to−80_network_1
A
Degree Centrality
Spearman's Rho
1.00
0.75
0.50
0.25
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.00
0.75
0.50
0.25
0.00
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
0.6
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.90
0.88
0.86
0.84
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.05
0.00
−0.05
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

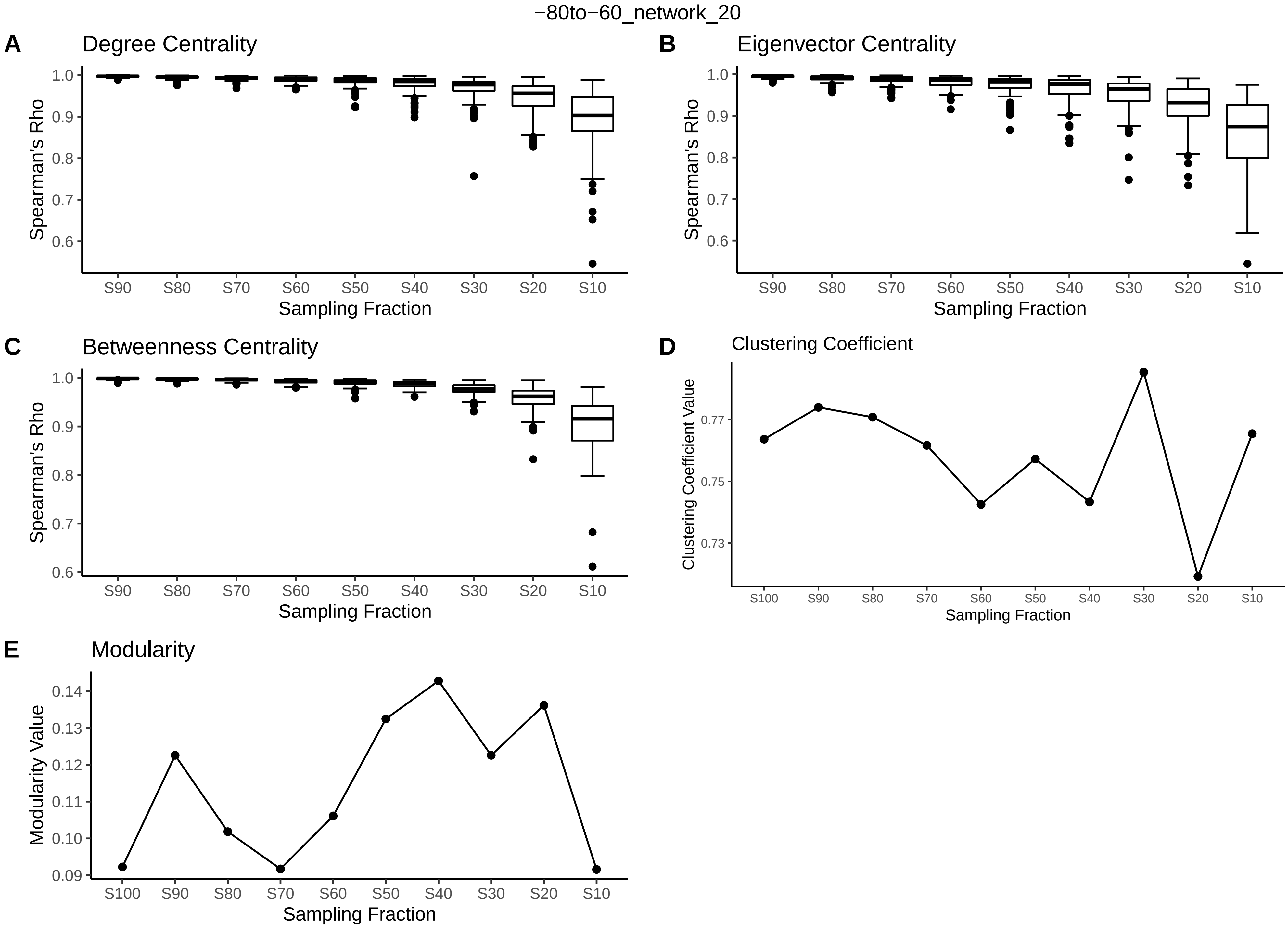
−100to−80_network_20



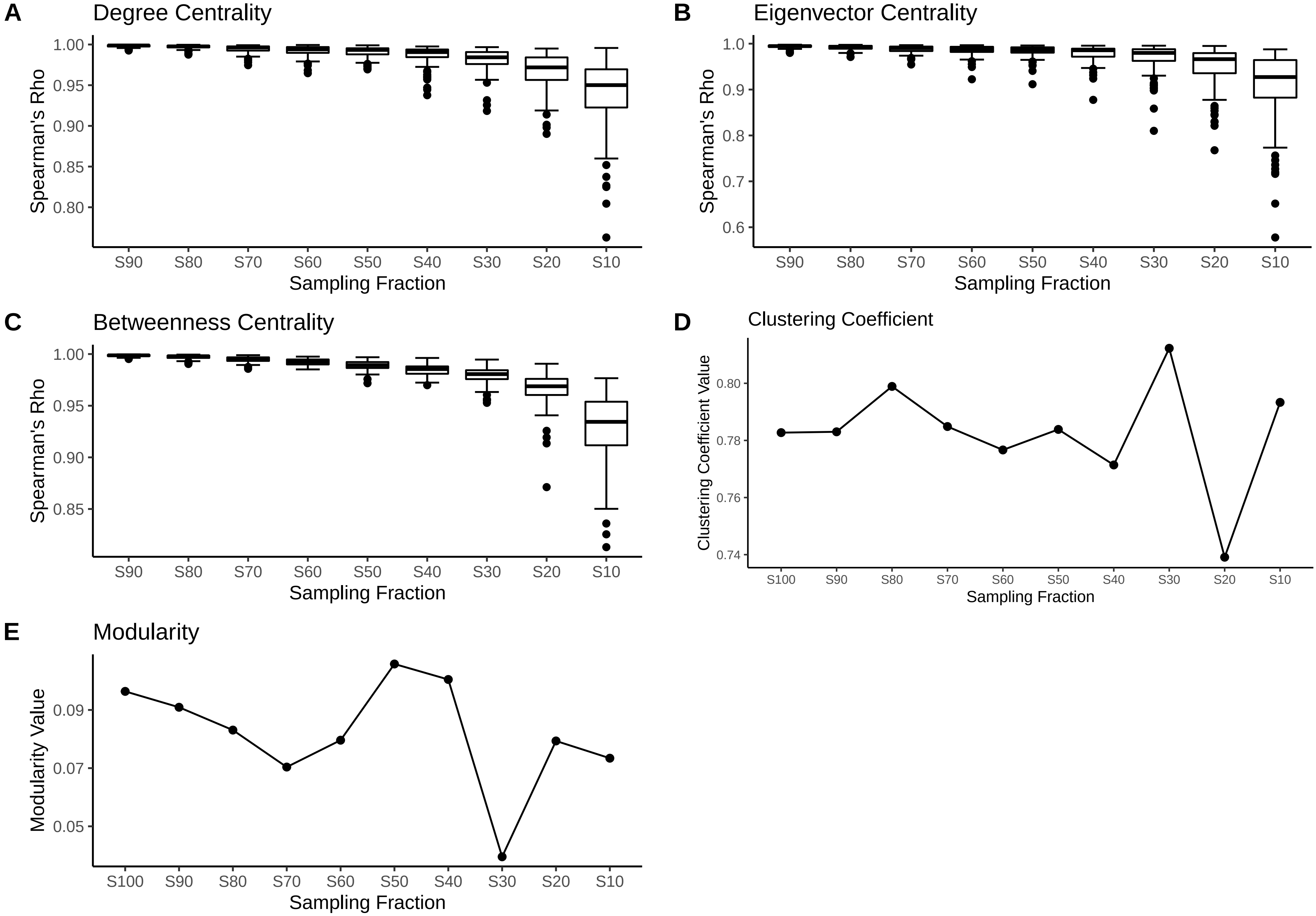
−100to−80_network_40

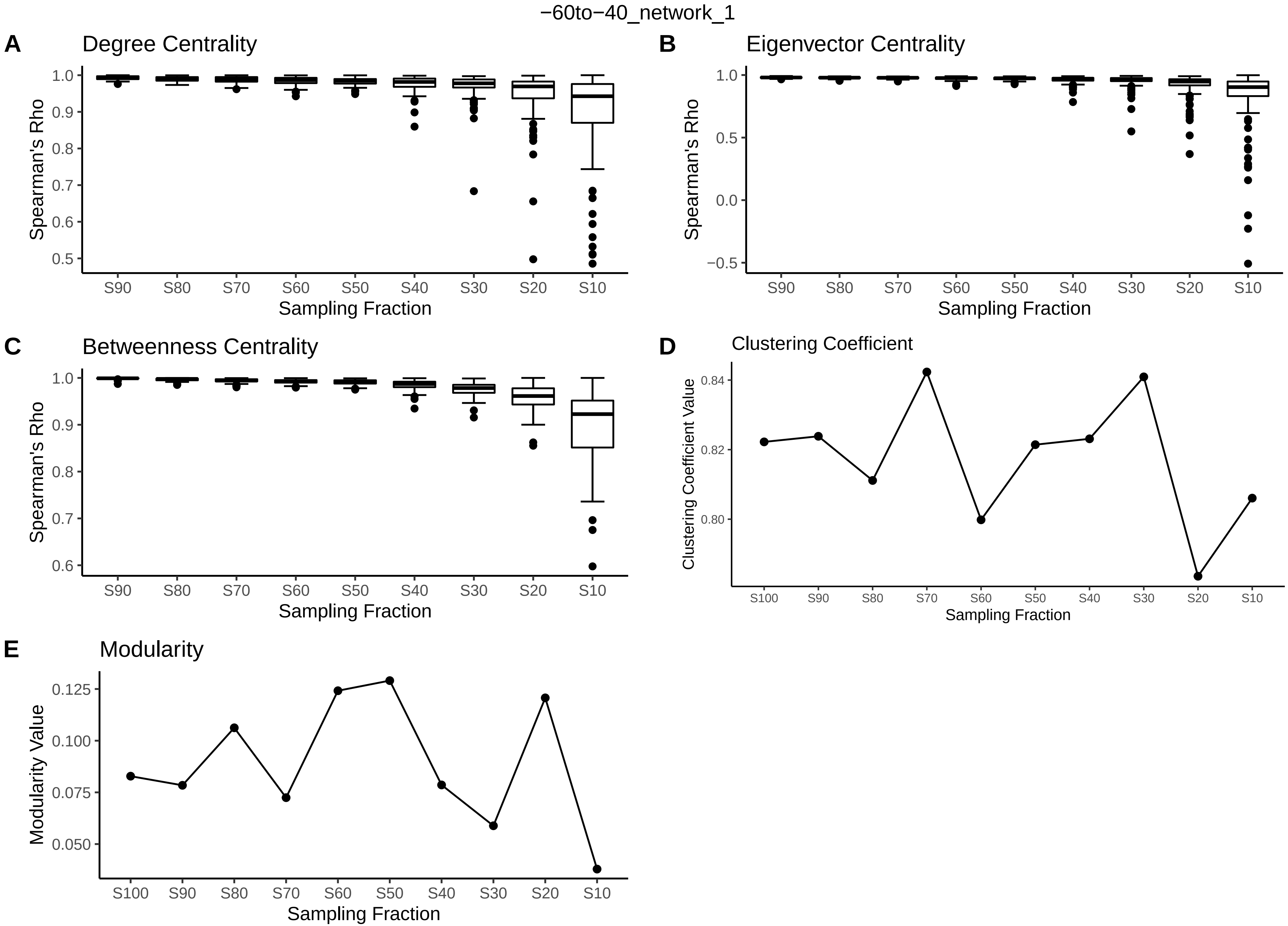


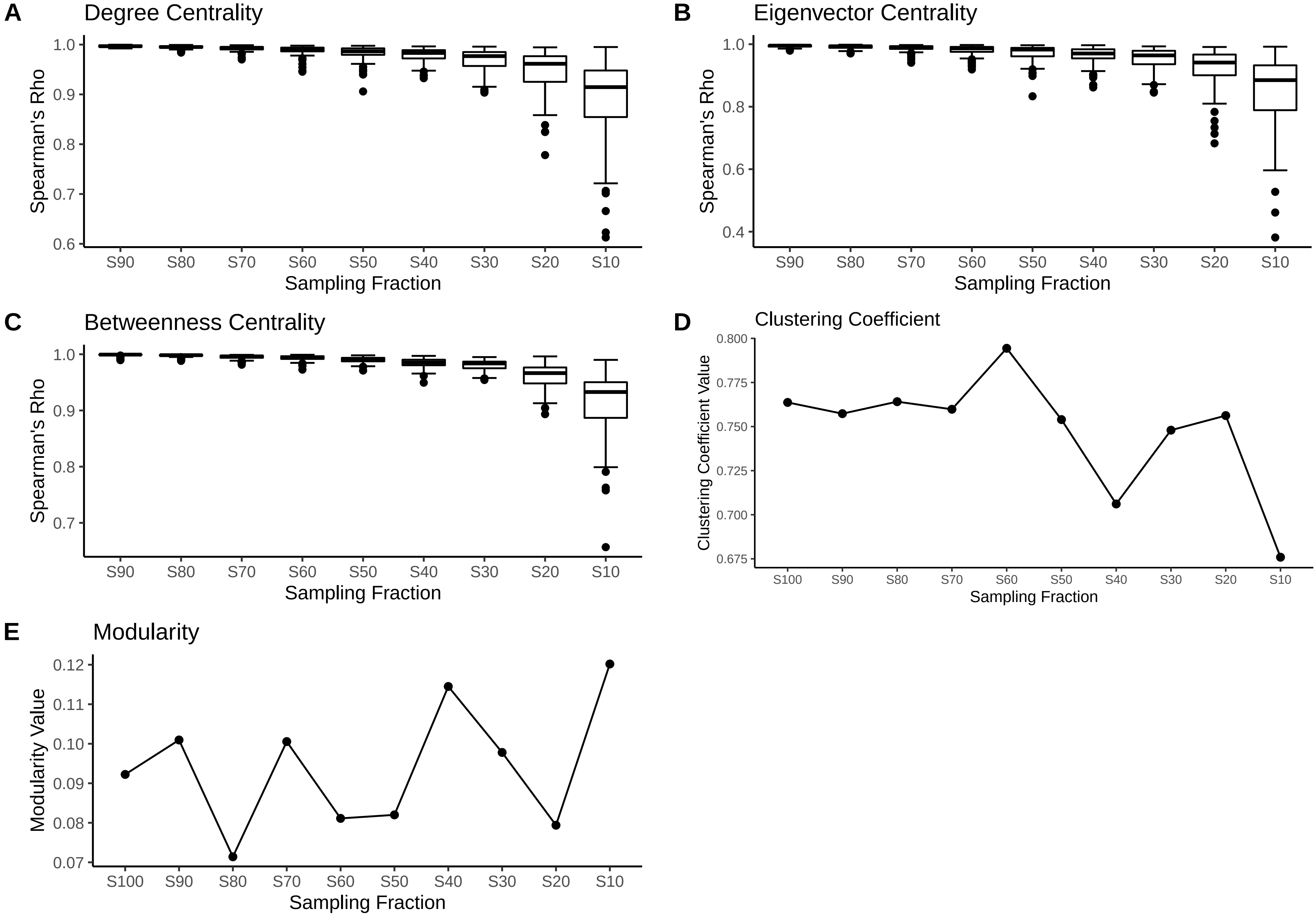

−80to−60_network_1
A
Degree Centrality
Spearman's Rho
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.050
0.025
0.000
−0.025
−0.050
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction


−80to−60_network_20
A
Degree Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
0.6
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
0.6
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
0.6
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.77
0.75
0.73
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.14
0.13
0.12
0.11
0.10
0.09
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

−80to−60_network_39

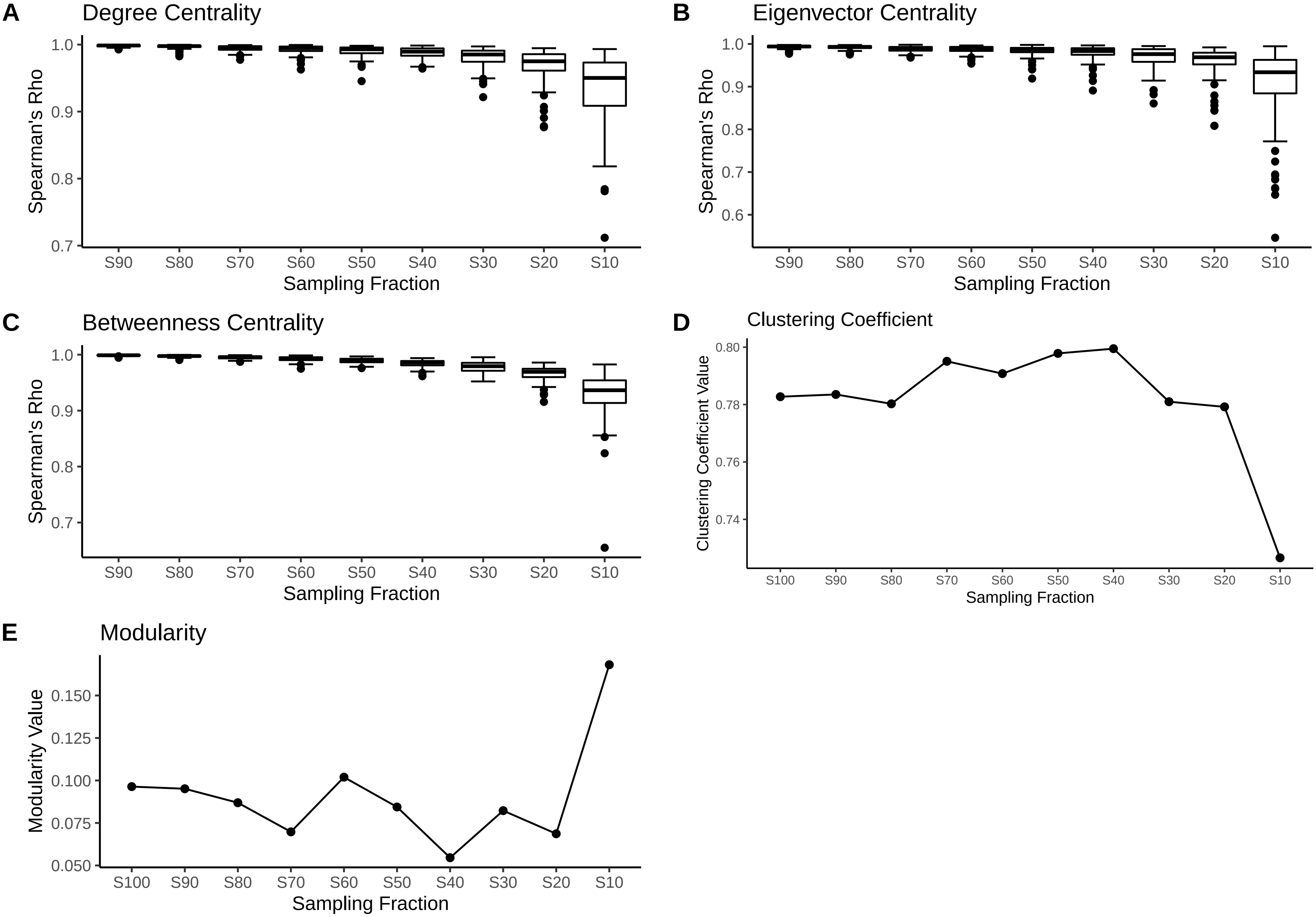



−60to−40_network_1
A
Degree Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
0.6
0.5
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.5
0.0
−0.5
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
0.6
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.84
0.82
0.80
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.125
0.100
0.075
0.050
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

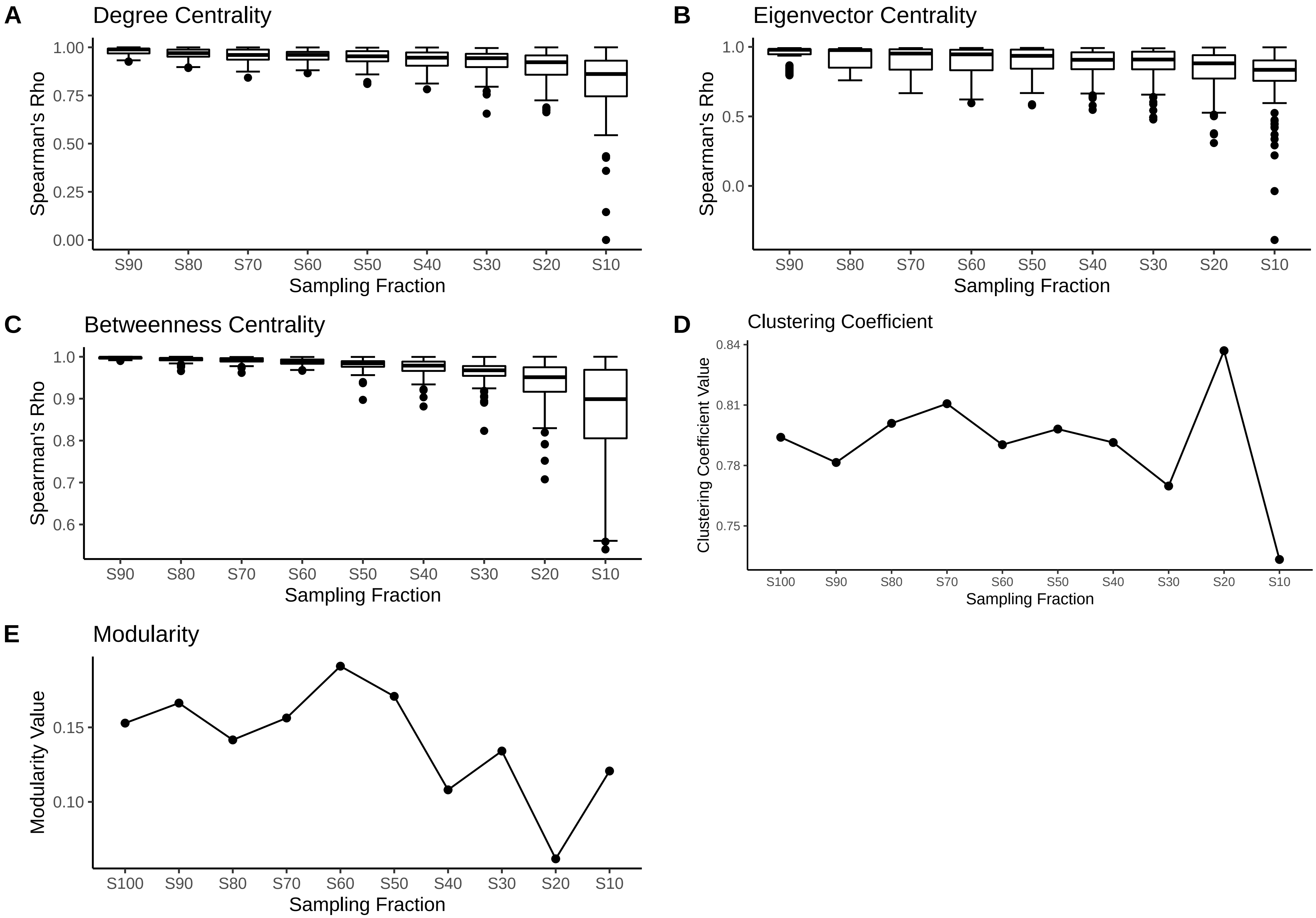


−60to−40_network_19

−60to−40_network_38



−40to−20_network_1



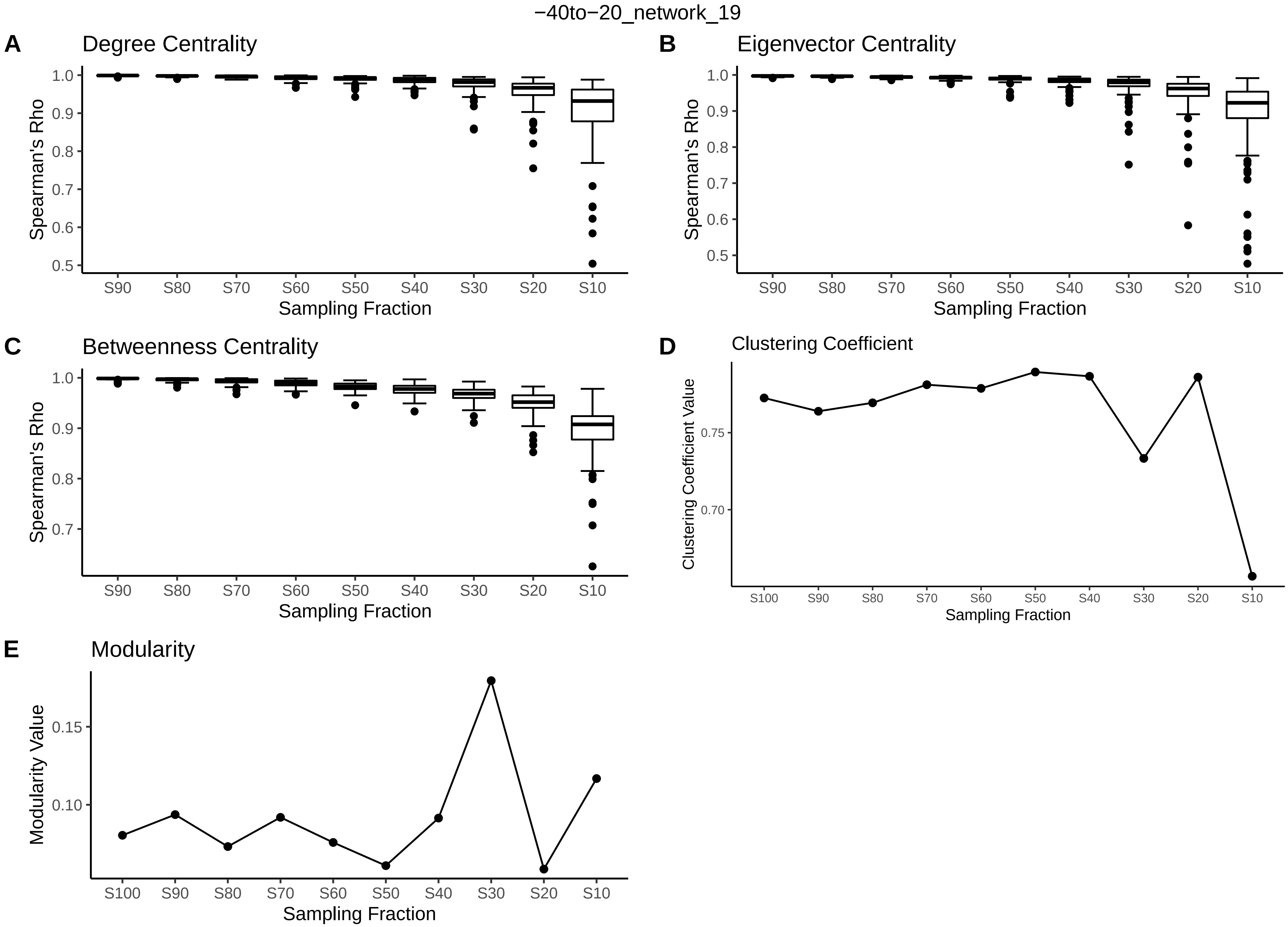
A Degree Centrality

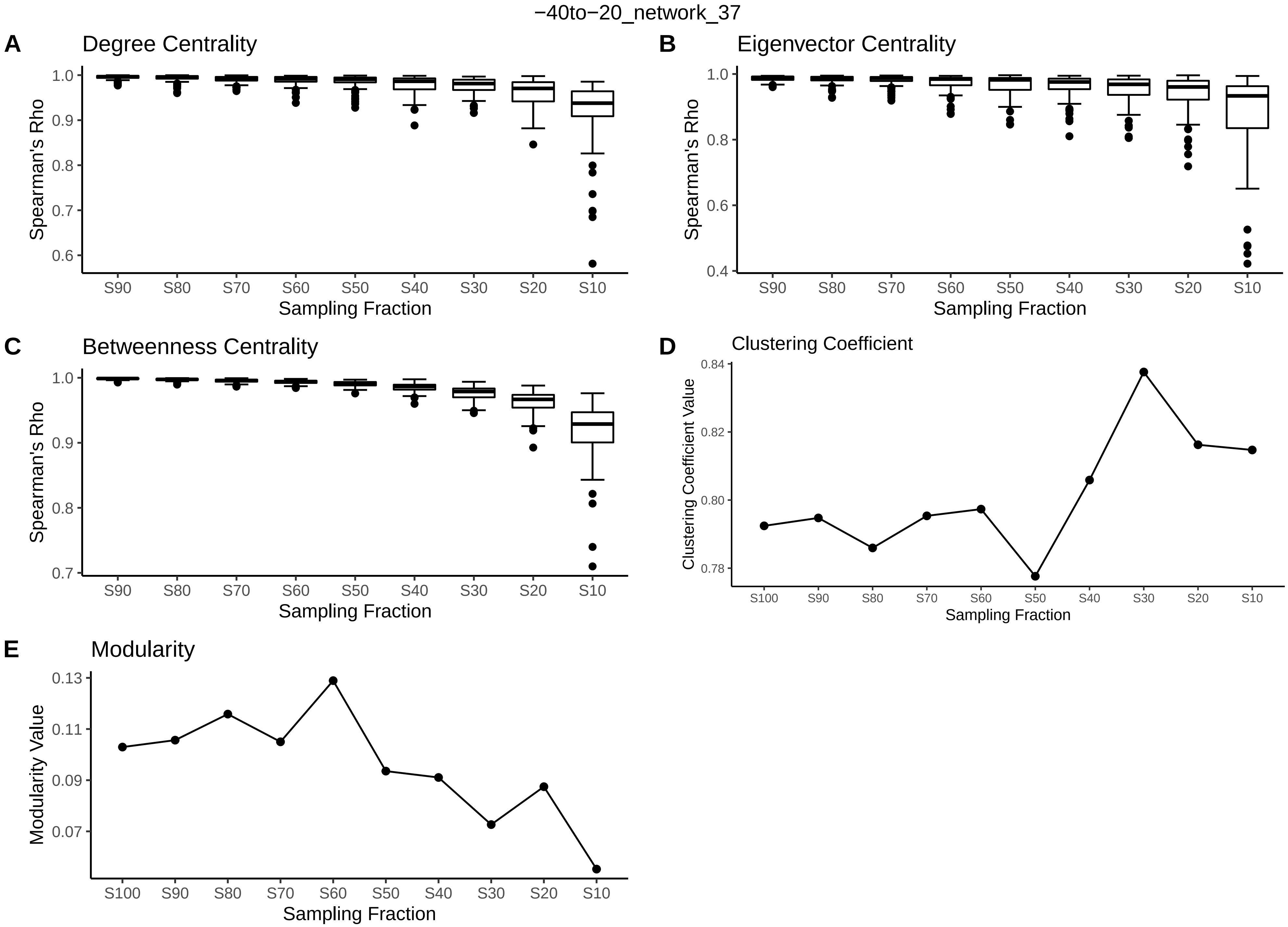
B Eigenvector Centrality

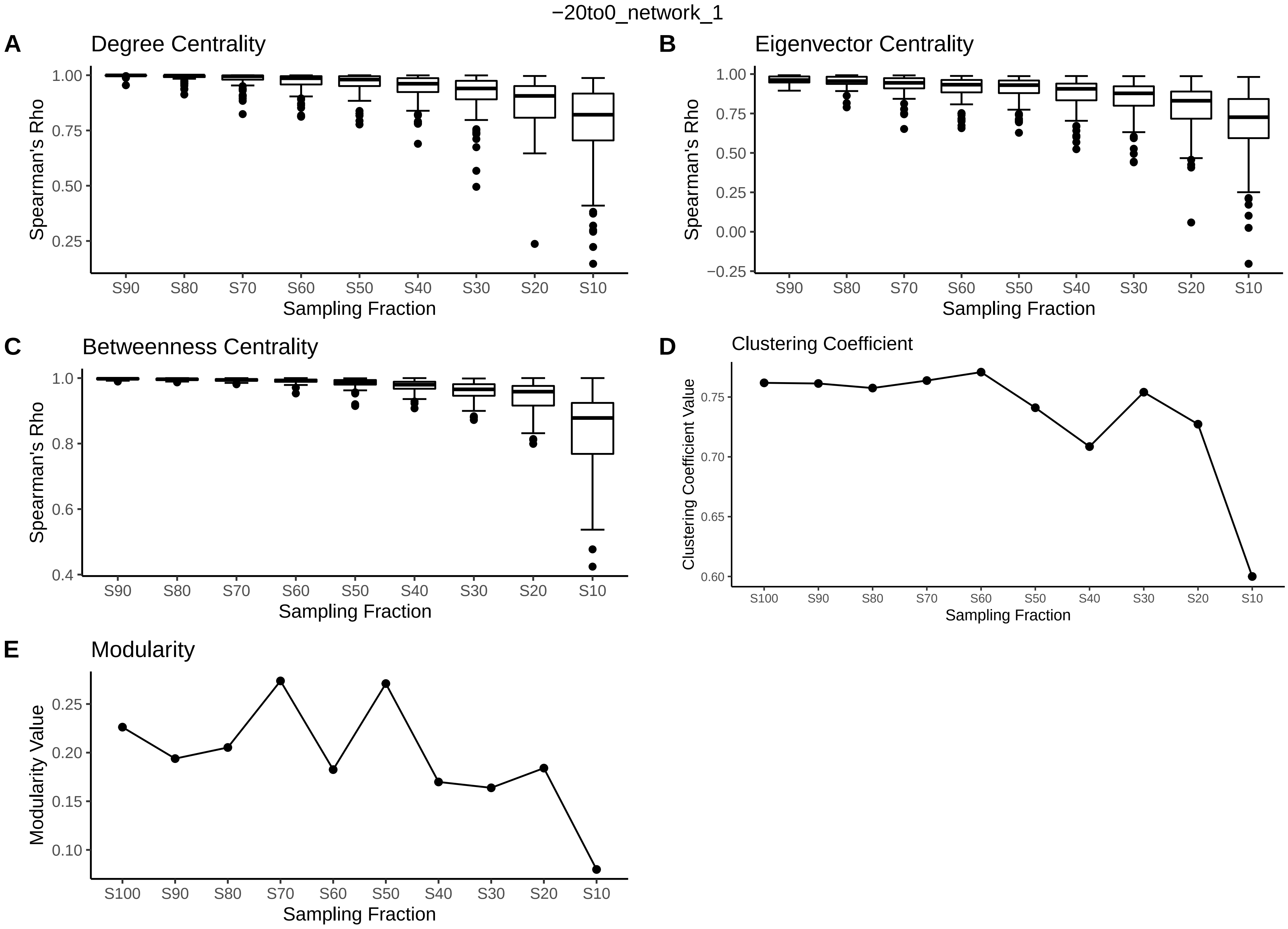
C Betweenness Centrality

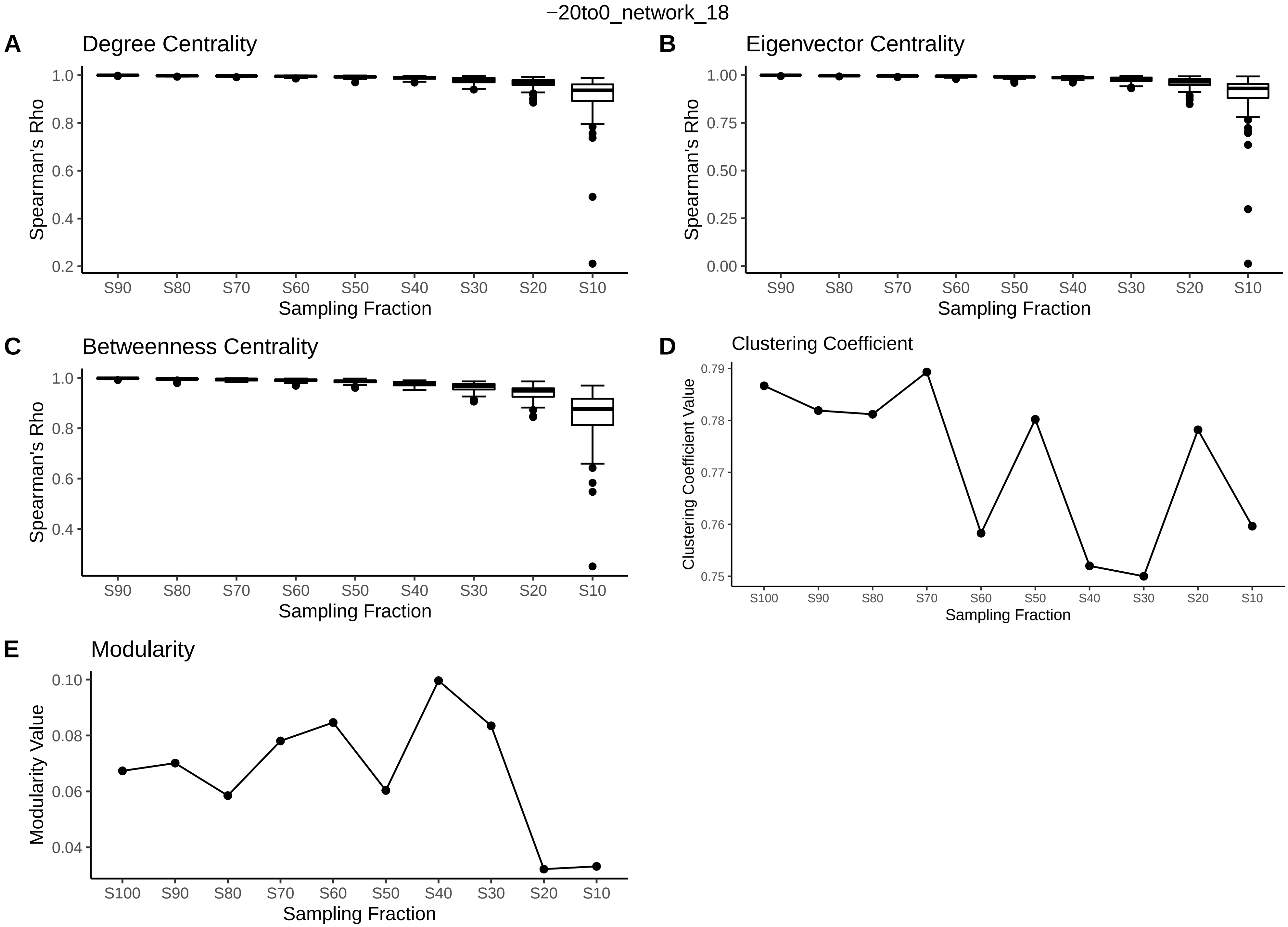
D Clustering Coefficient

E Modularity

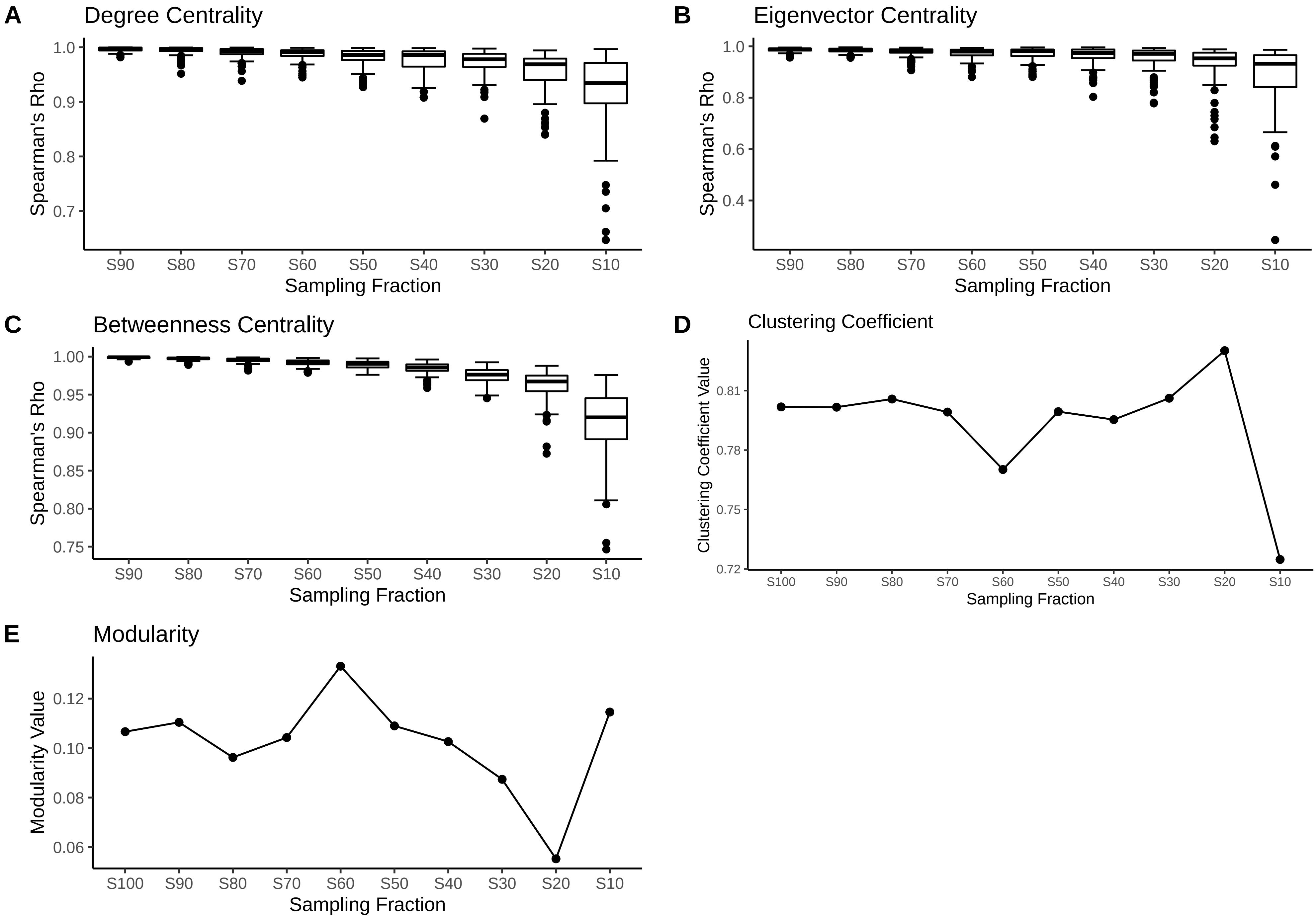

−40to−20_network_19
A
Degree Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
0.6
0.5
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
0.6
0.5
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.75
0.70
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.15
0.10
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction


−40to−20_network_37
A
Degree Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
0.6
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.84
0.82
0.80
0.78
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.13
0.11
0.09
0.07
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

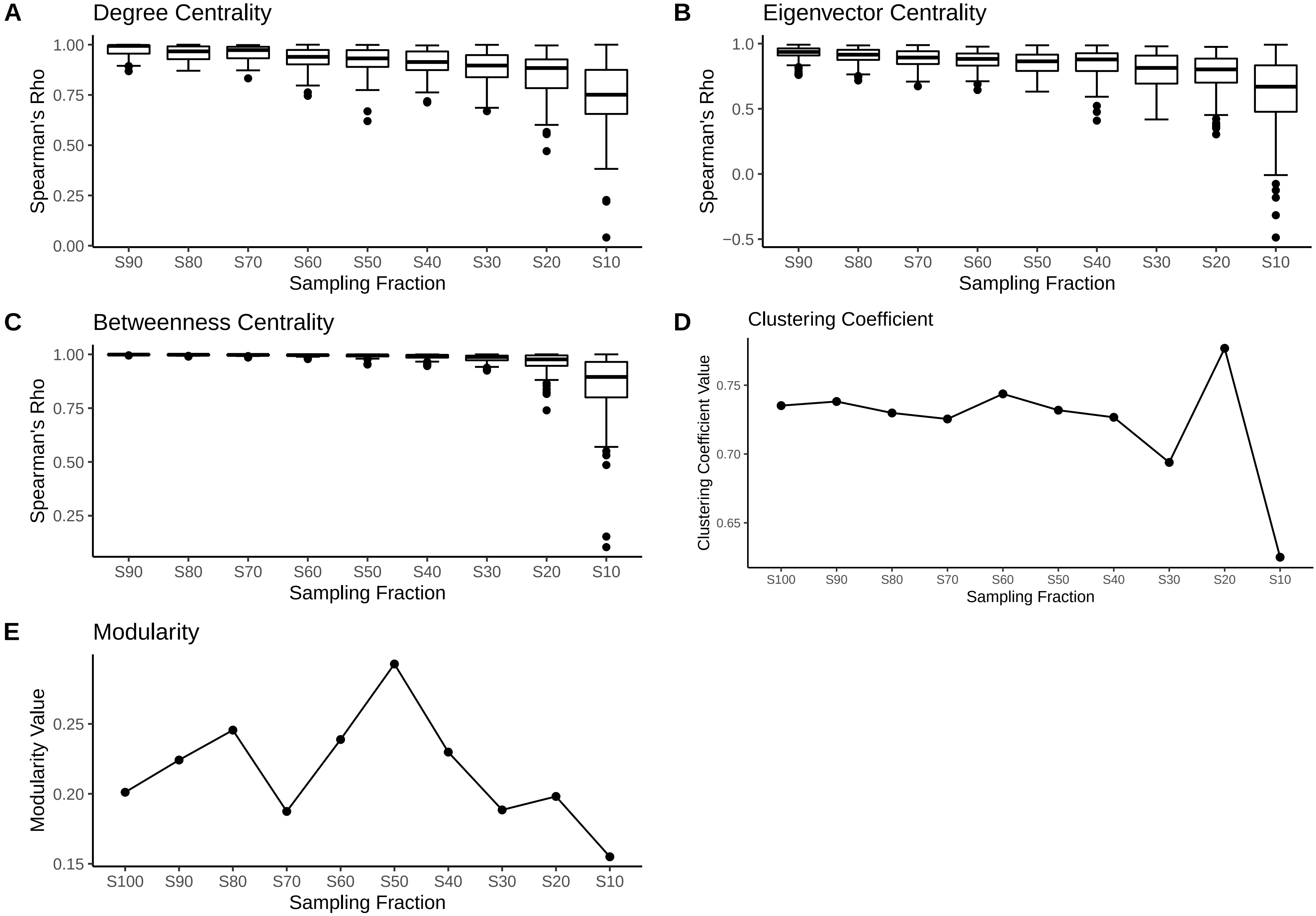

−20to0_network_1
A
Degree Centrality
Spearman's Rho
1.00
0.75
0.50
0.25
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.00
0.75
0.50
0.25
0.00
−0.25
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.75
0.70
0.65
0.60
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.25
0.20
0.15
0.10
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction


−20to0_network_18
A
Degree Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
0.2
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.00
0.75
0.50
0.25
0.00
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.79
0.78
0.77
0.76
0.75
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.10
0.08
0.06
0.04
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

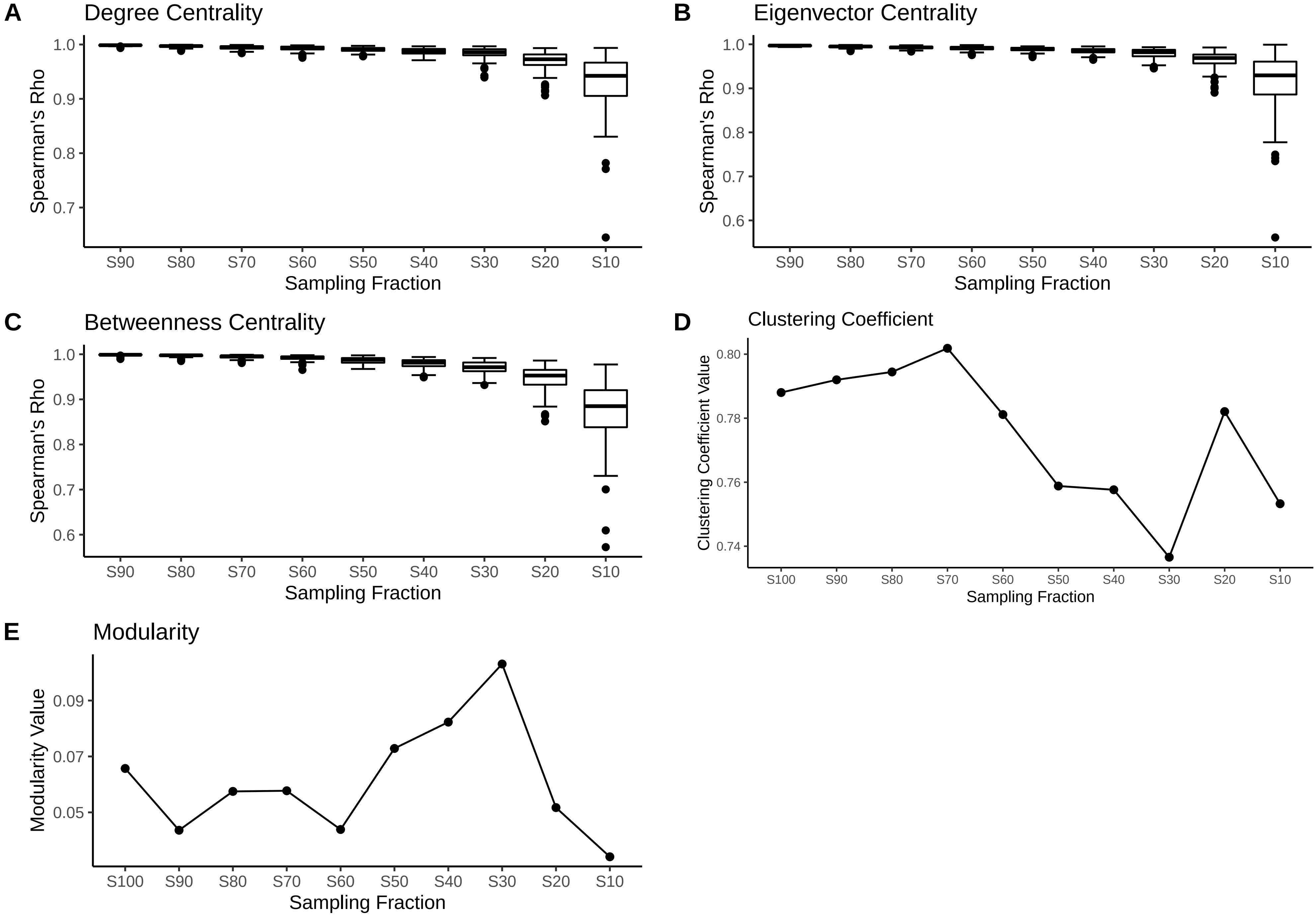
−20to0_network_36



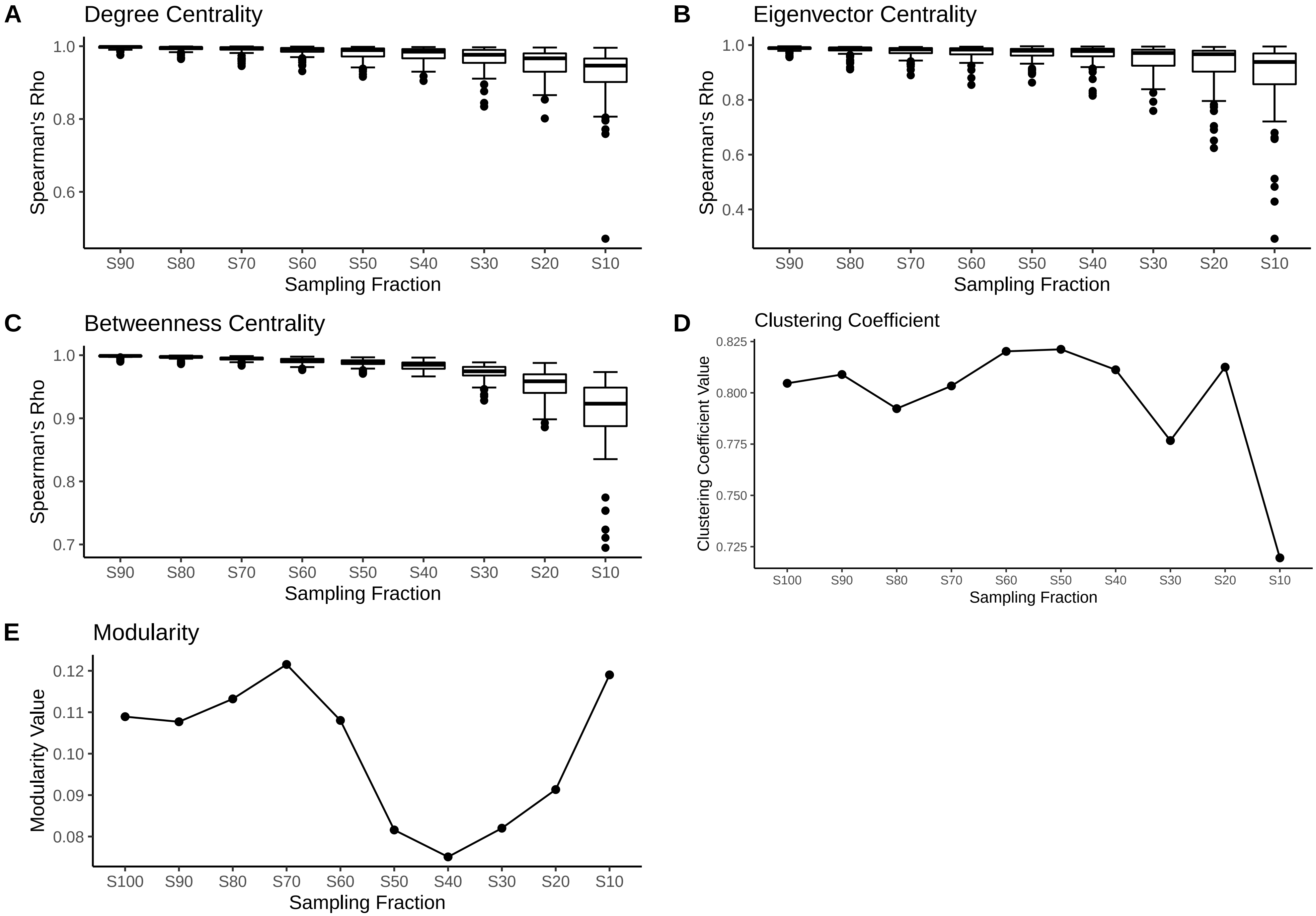
0to20_network_1



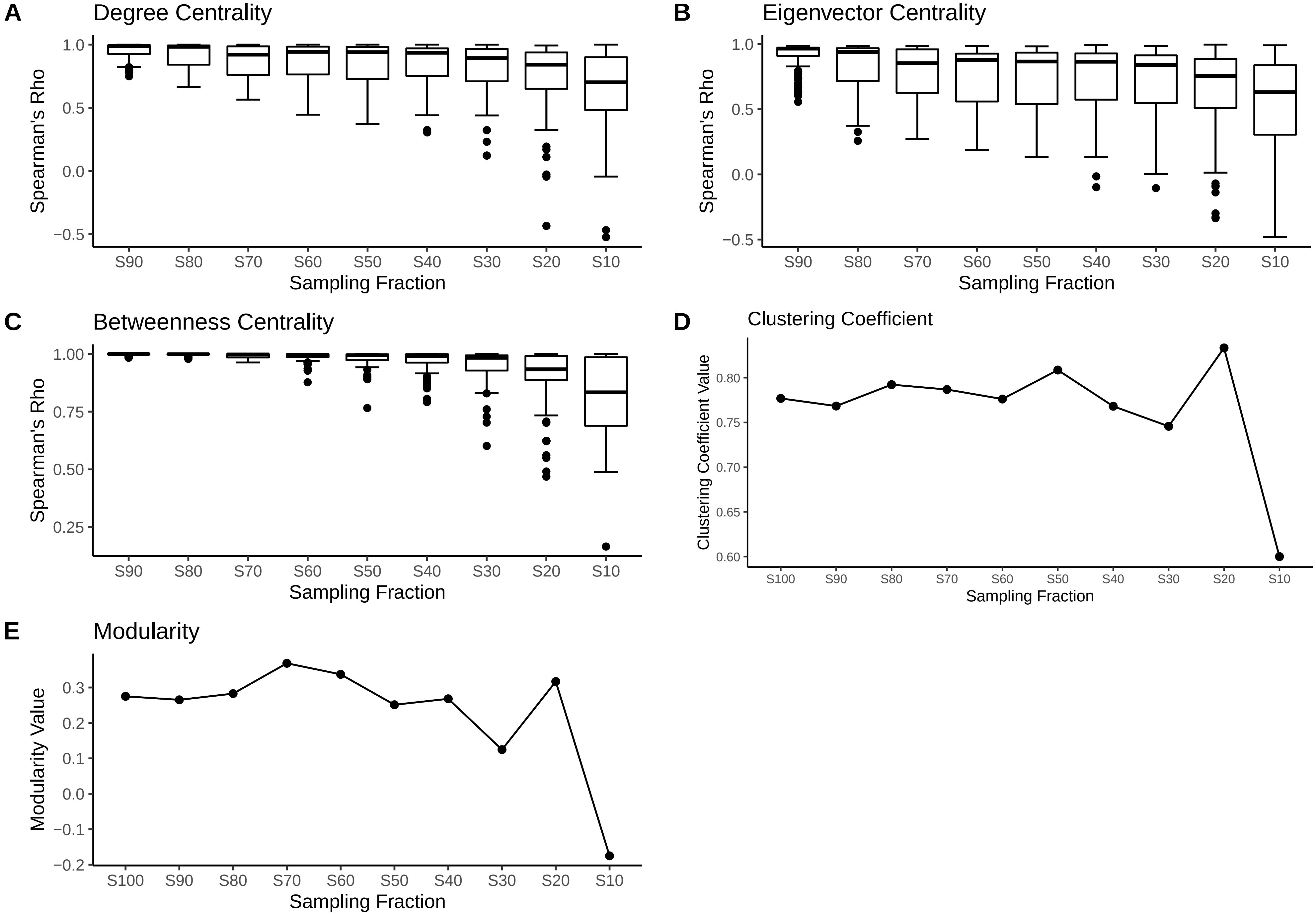
0to20_network_18



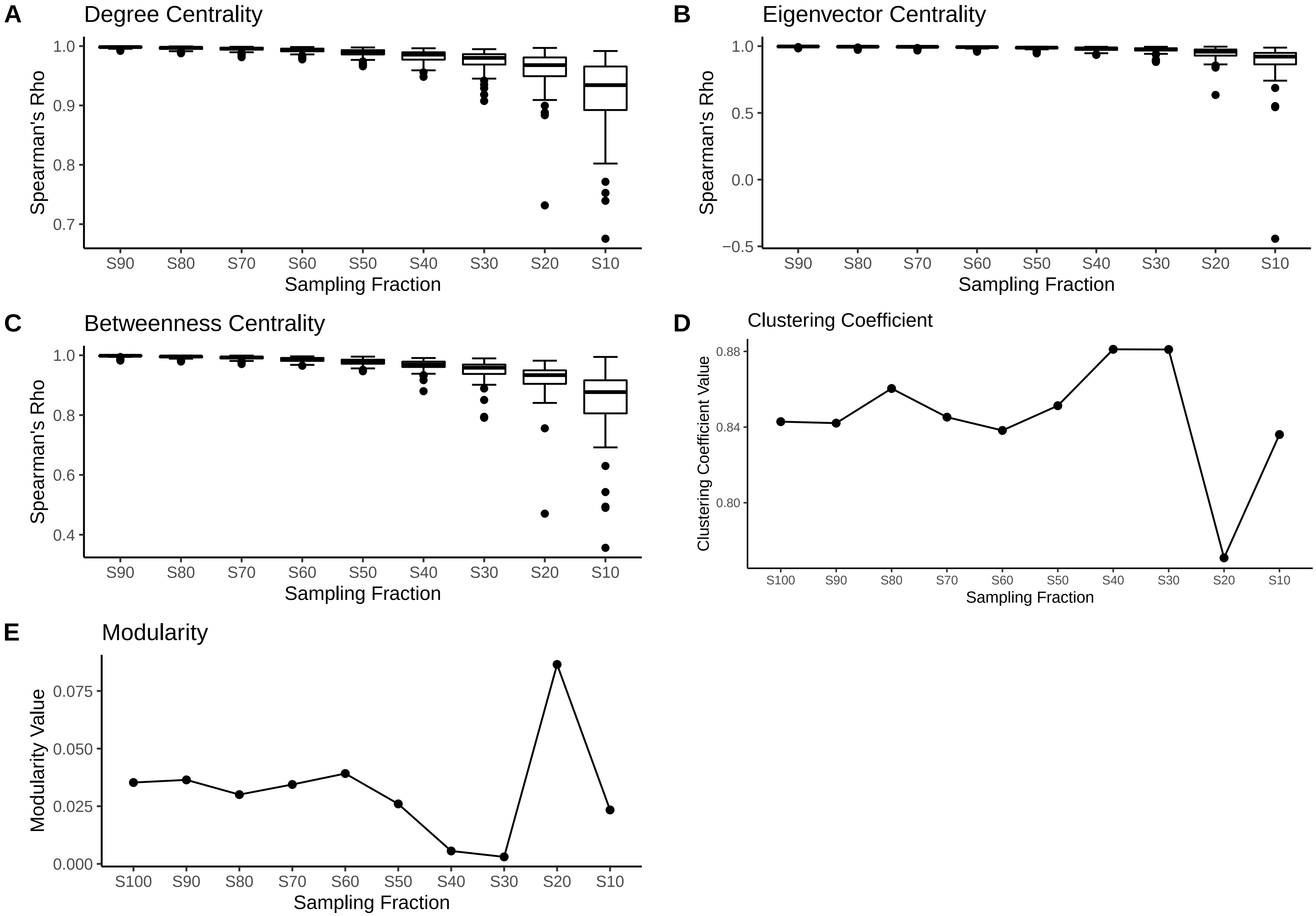
0to20_network_35



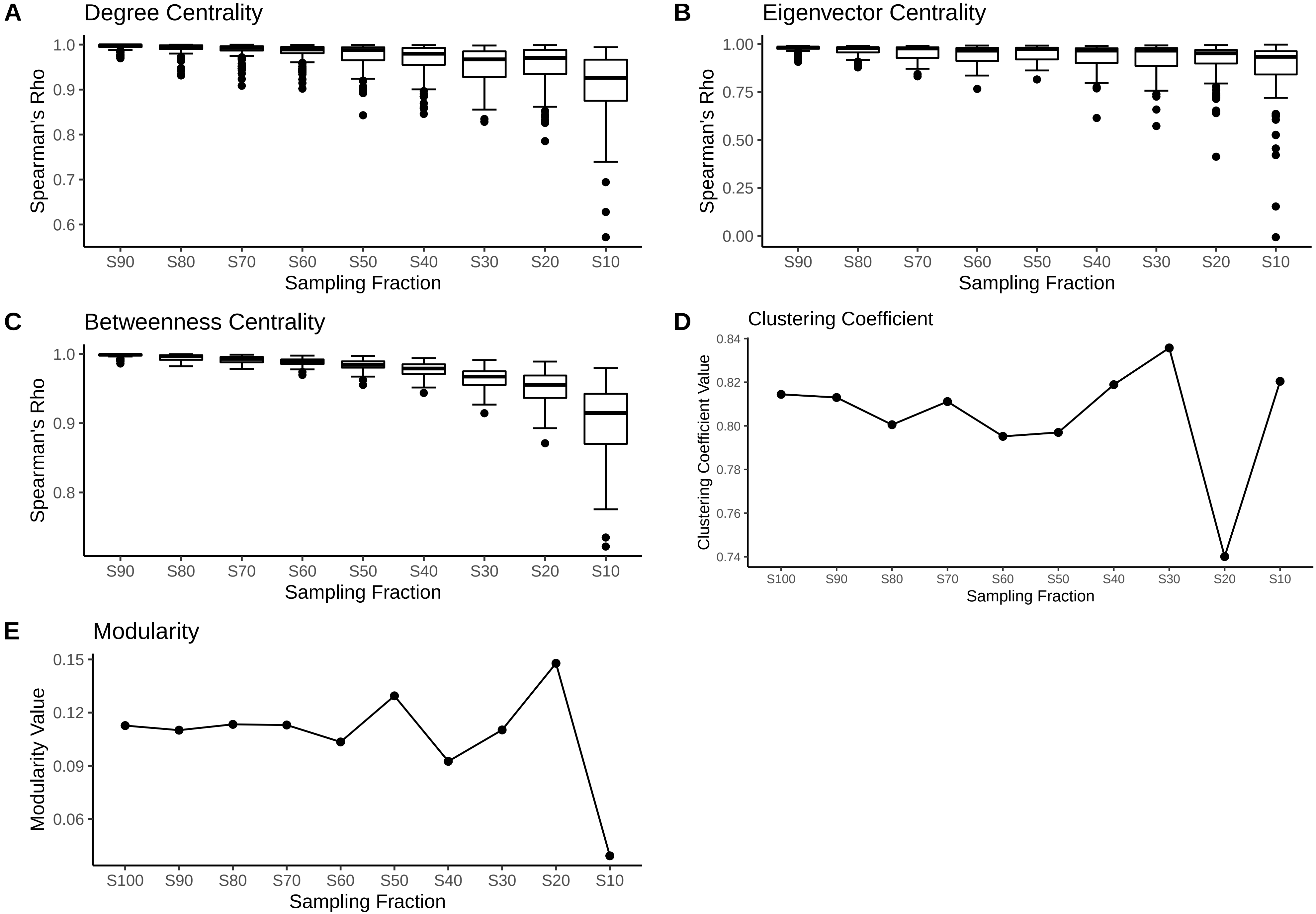
20to40_network_1

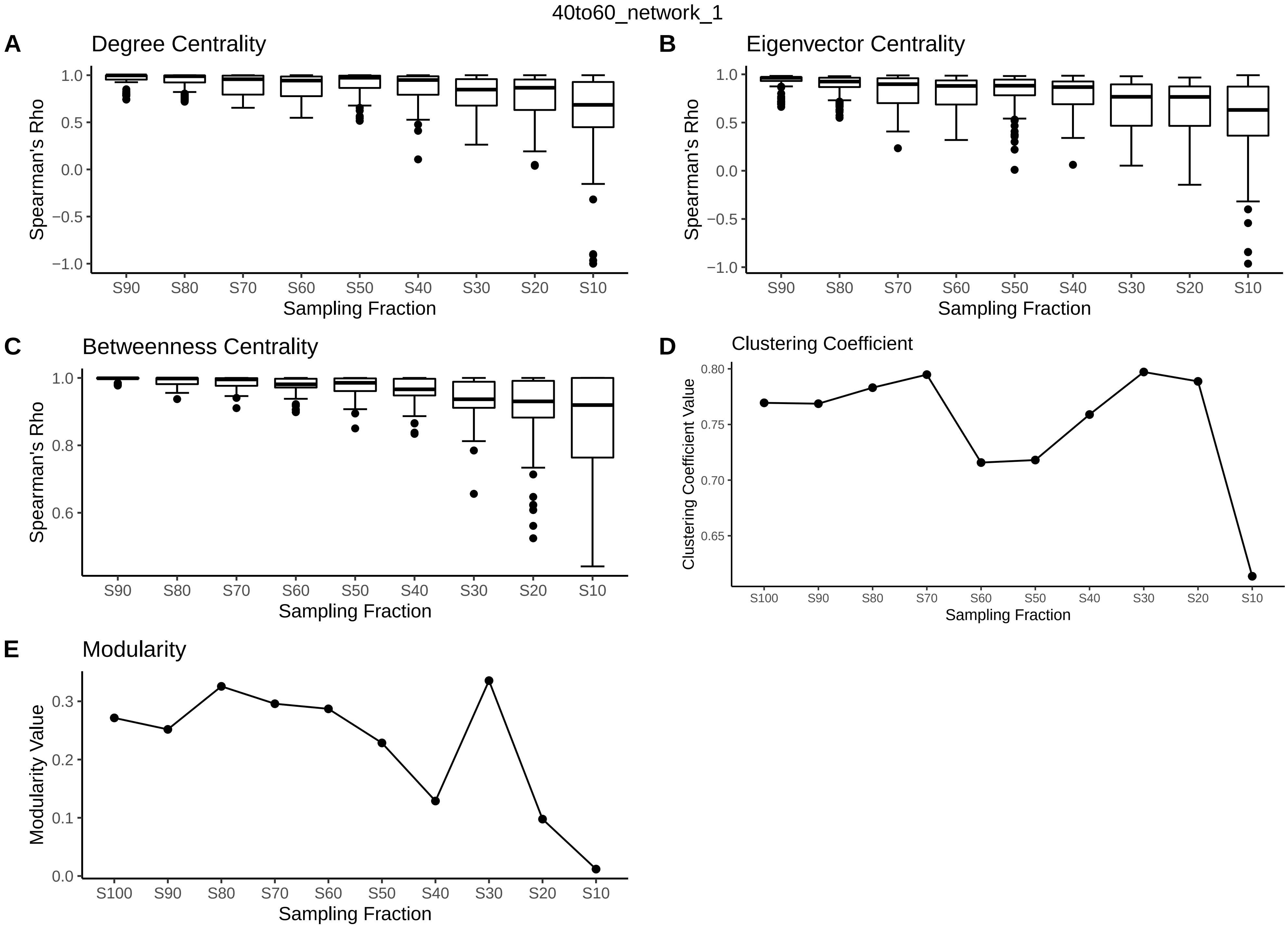


20to40_network_17

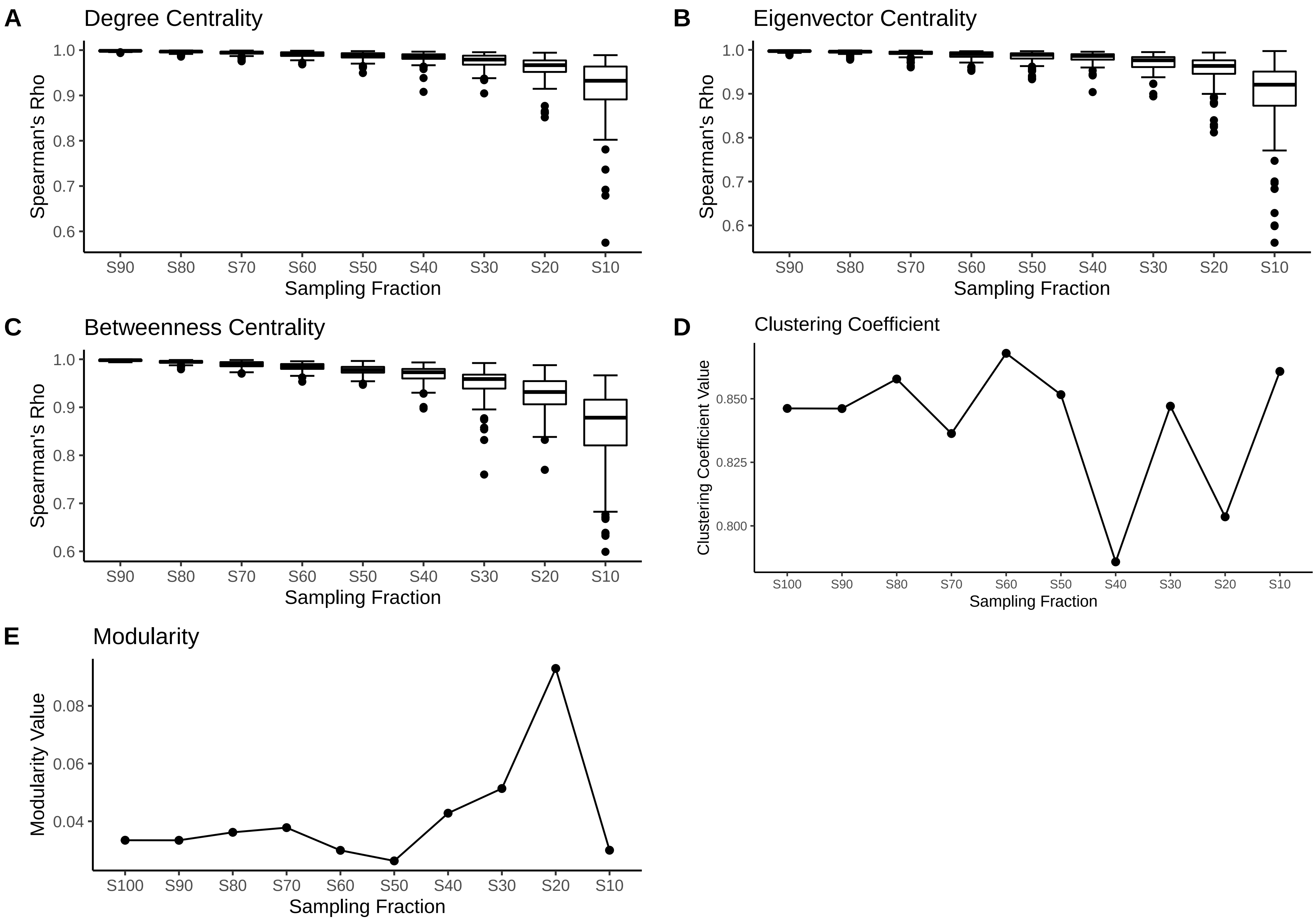


20to40_network_34




40to60_network_1
A
Degree Centrality
Spearman's Rho
1.0
0.5
0.0
−0.5
−1.0
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.5
0.0
−0.5
−1.0
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.8
0.6
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.80
0.75
0.70
0.65
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.3
0.2
0.1
0.0
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

40to60_network_17



A Degree Centrality

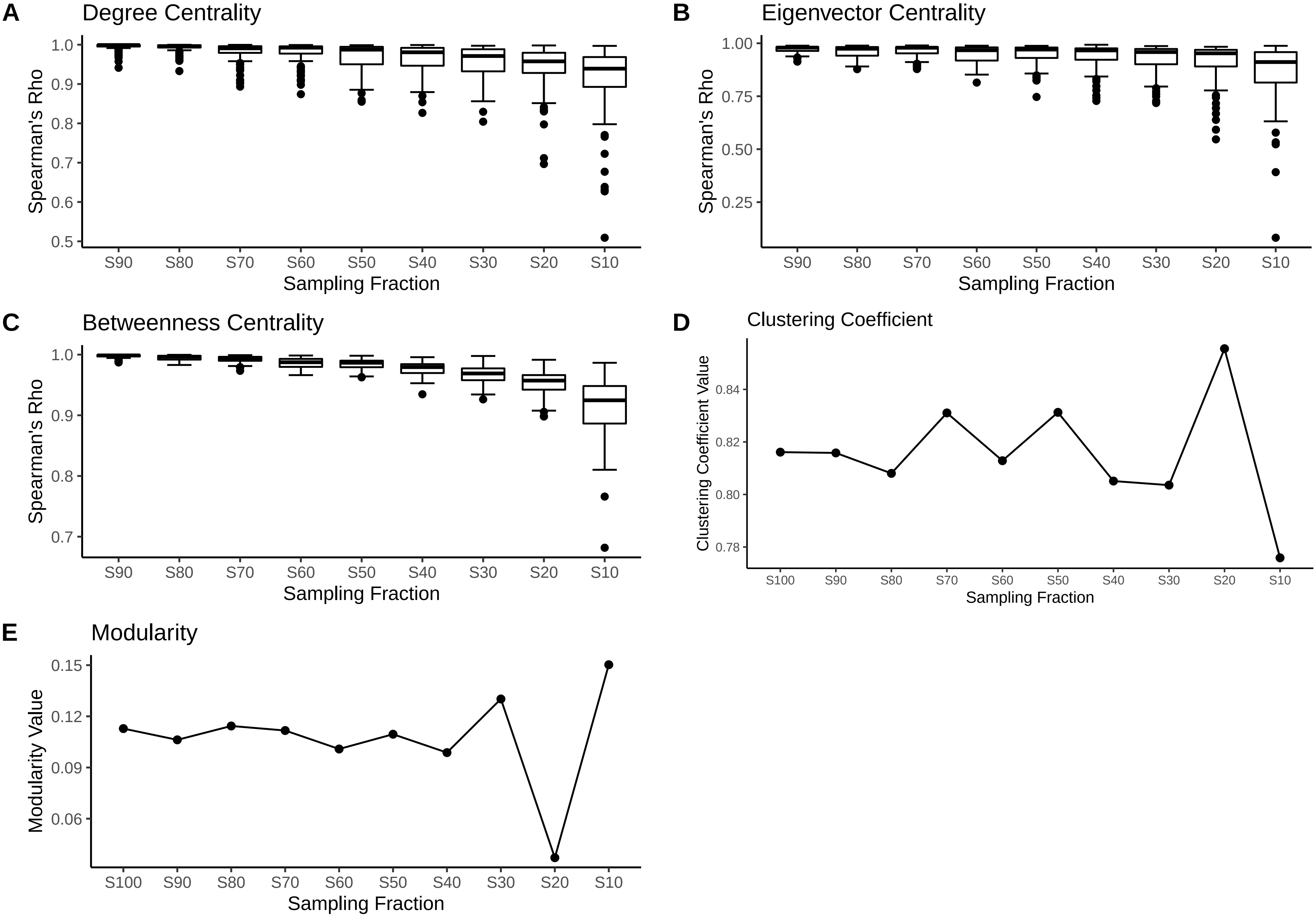
B Eigenvector Centrality

C Betweenness Centrality

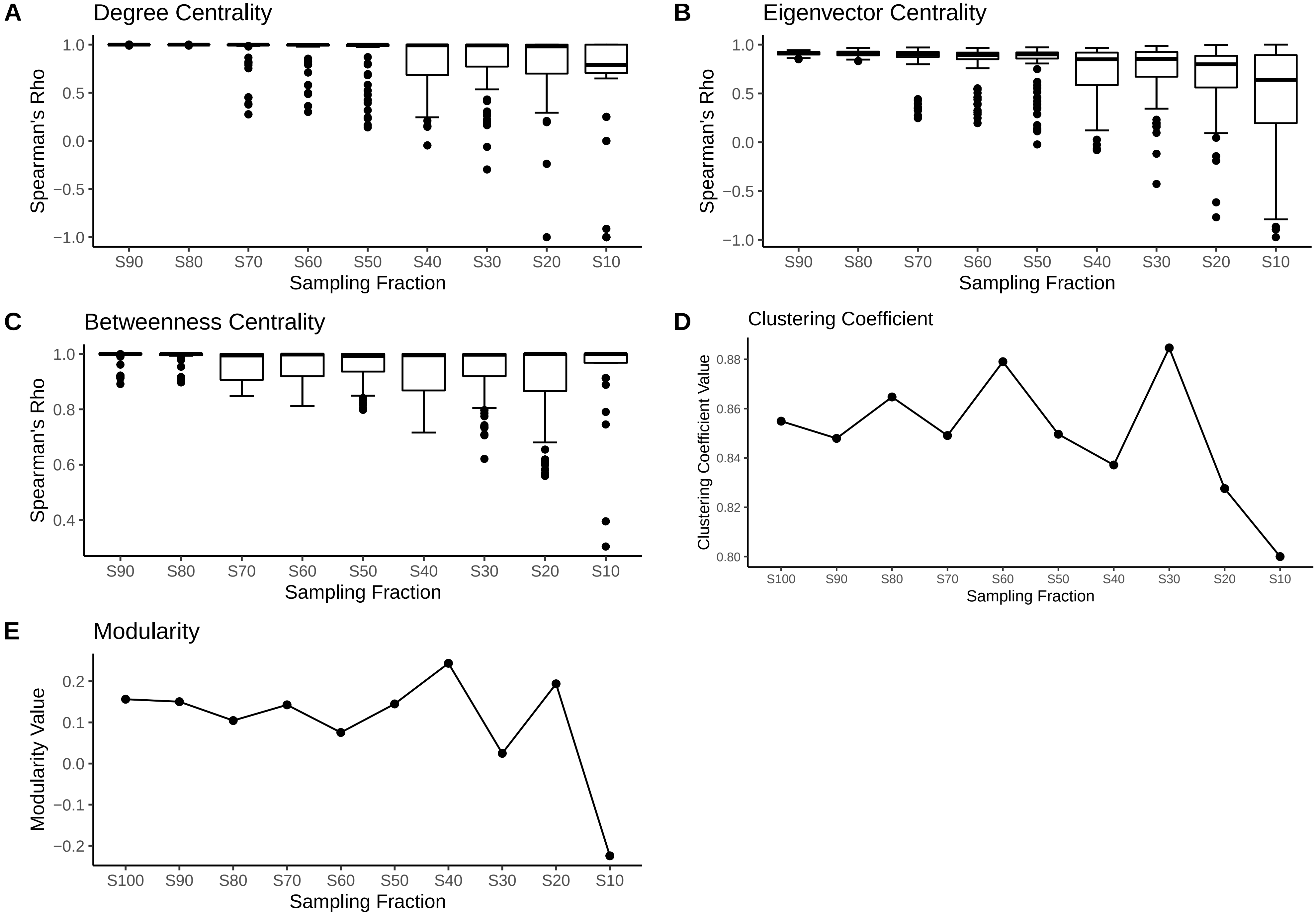
D Clustering Coefficient

E Modularity

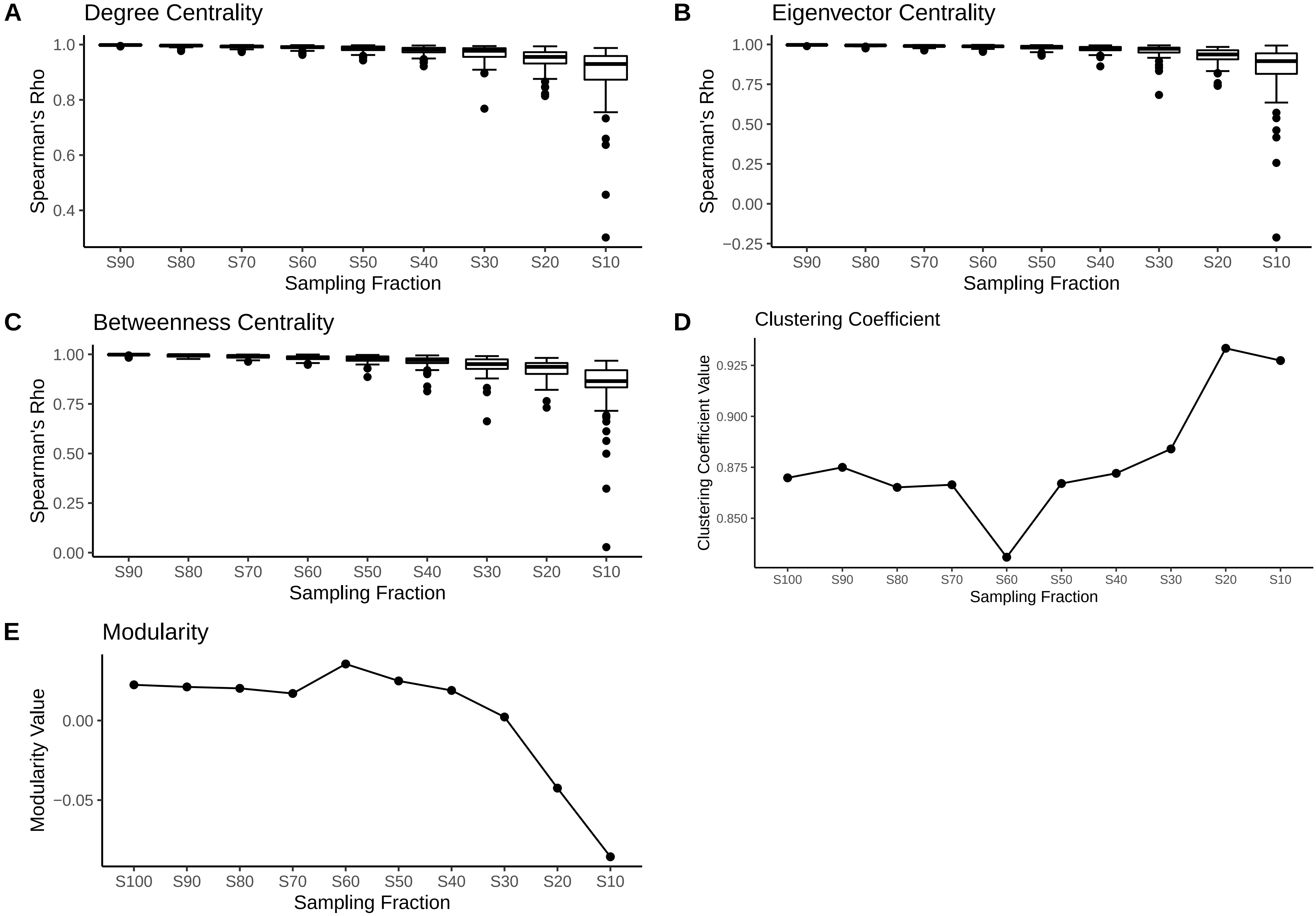
40to60_network_33



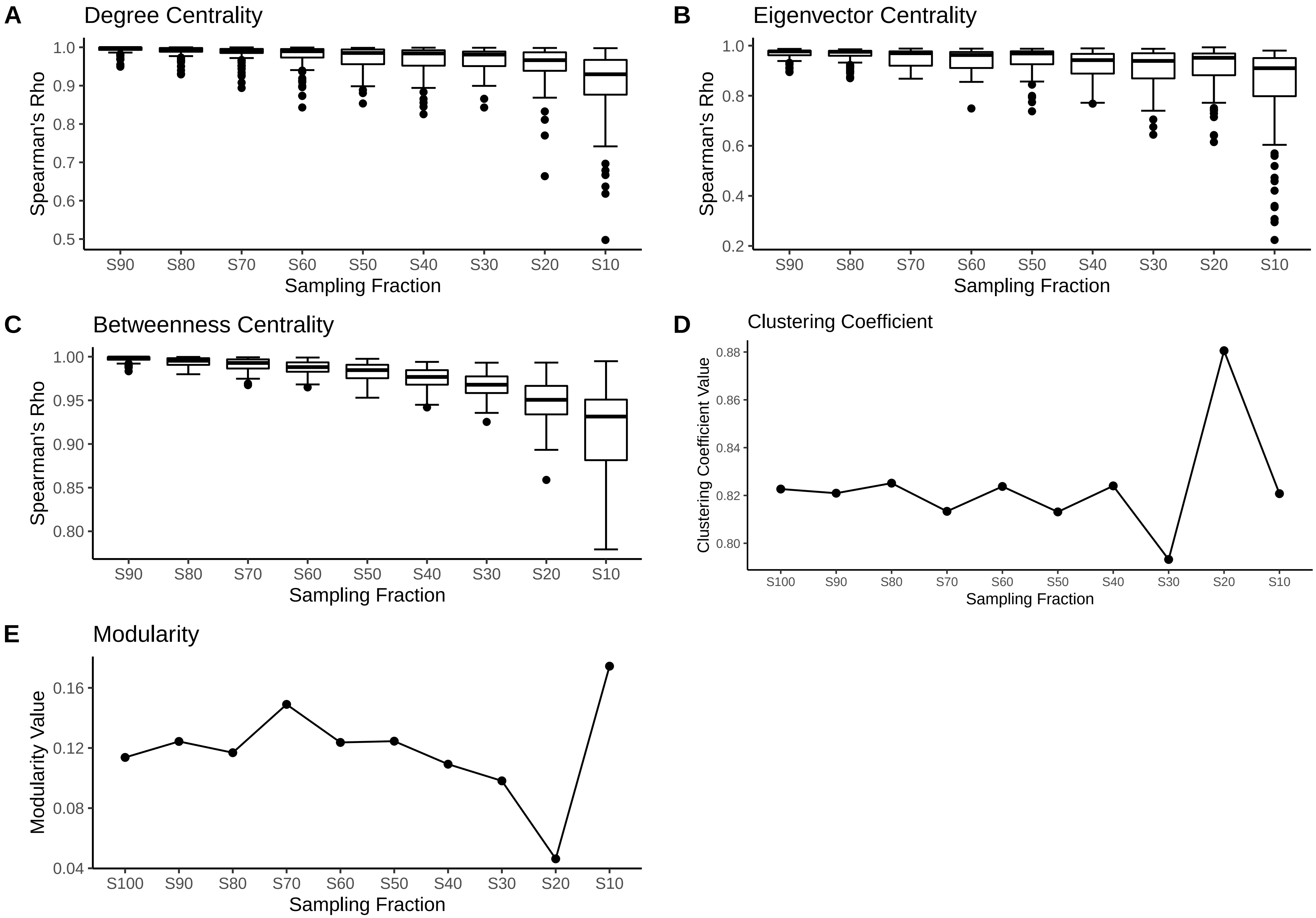
60to80_network_1

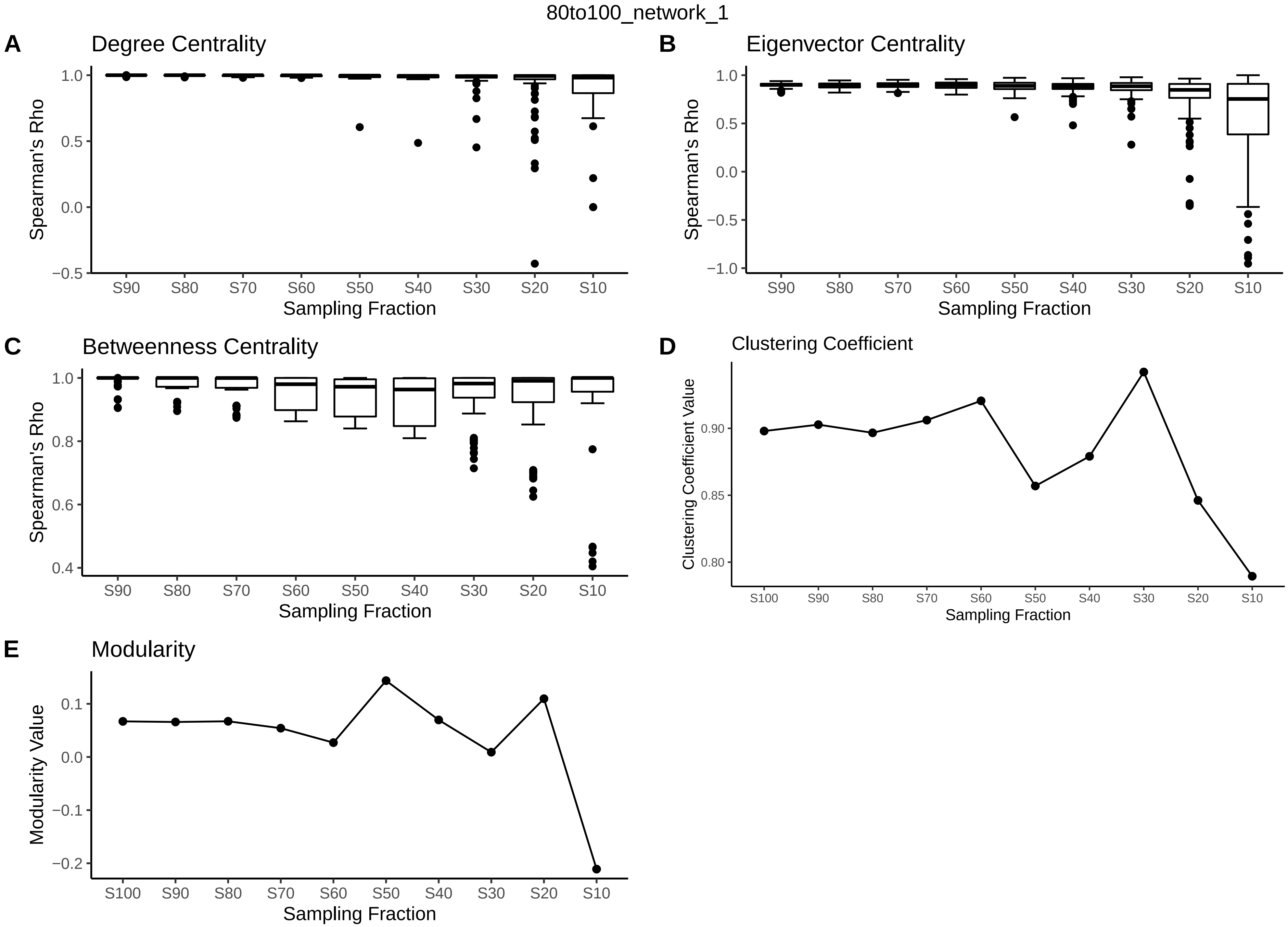


60to80_network_16

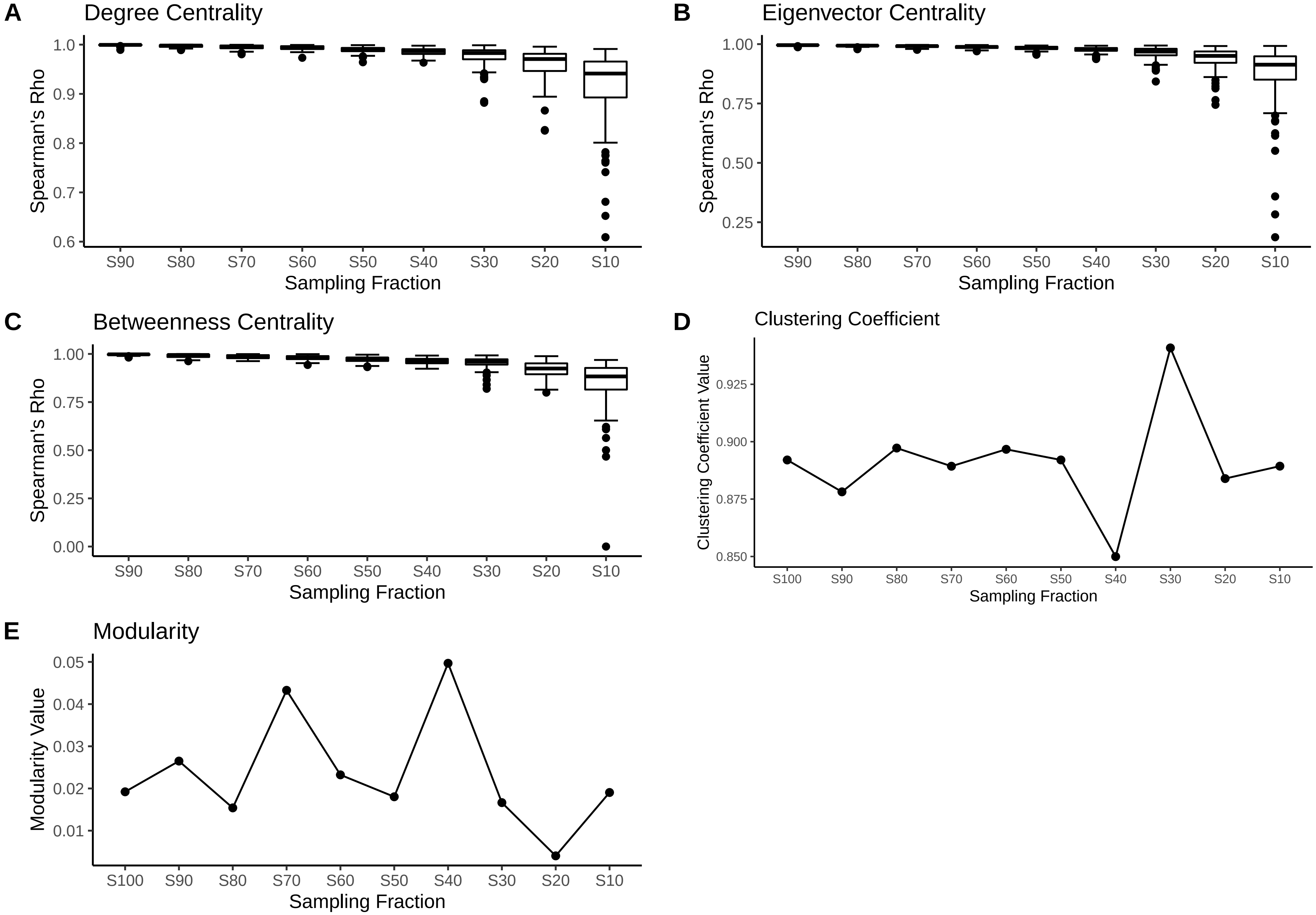


60to80_network_32

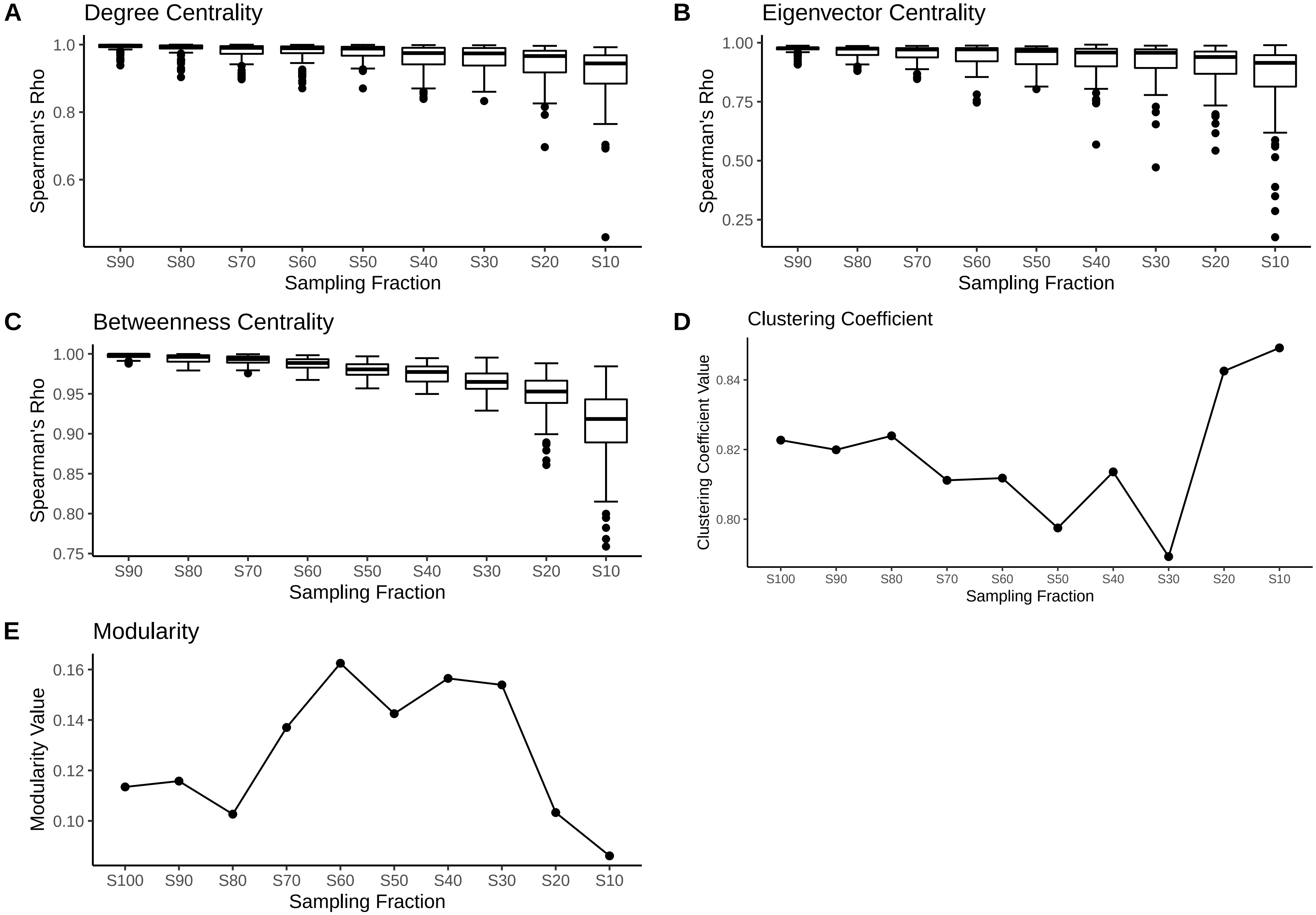



80to100_network_1
A
Degree Centrality
Spearman's Rho
1.0
0.5
0.0
−0.5
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.5
0.0
−0.5
−1.0
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.90
0.85
0.80
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.1
0.0
−0.1
−0.2
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

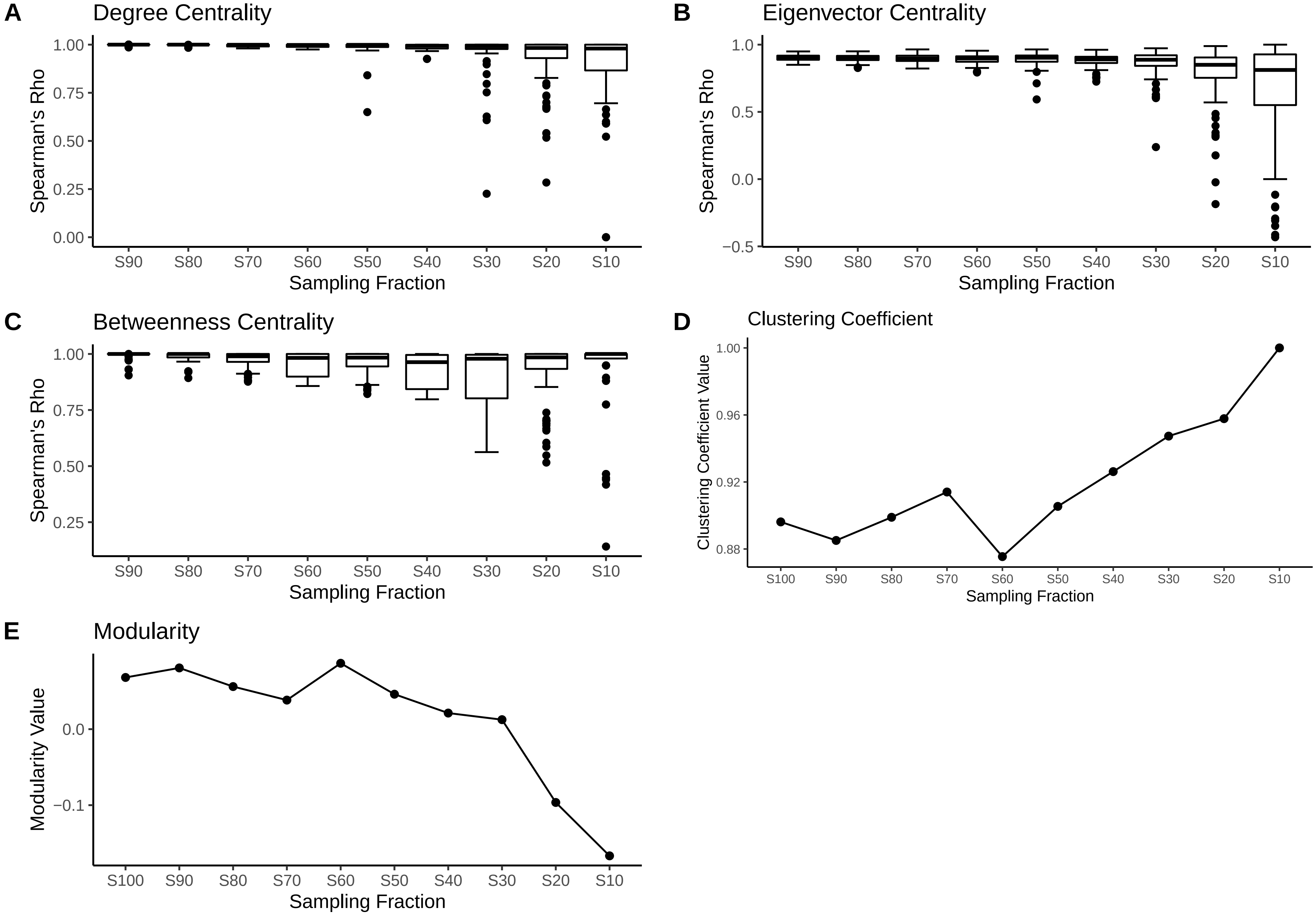
80to100_network_16

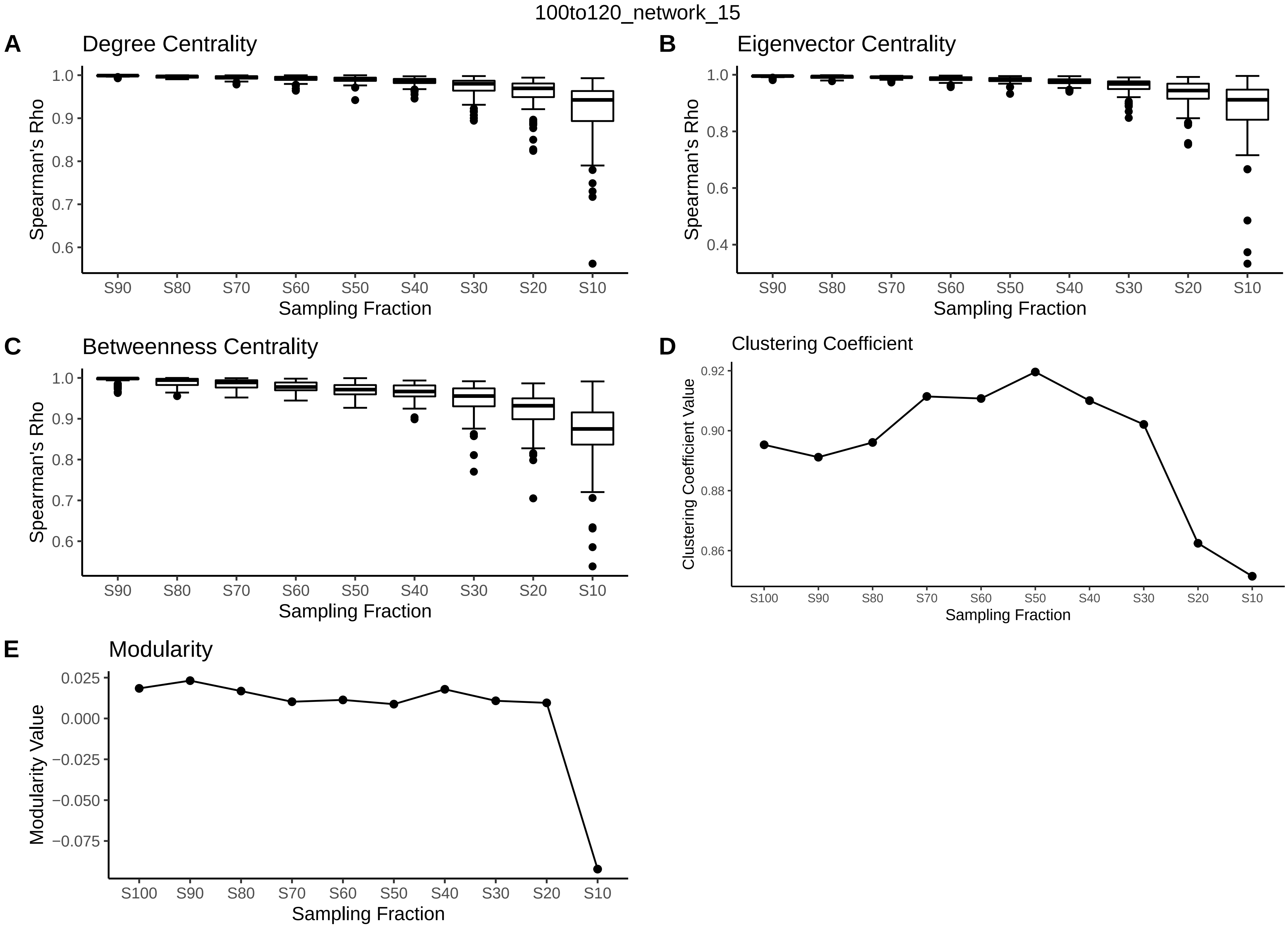


80to100_network_31

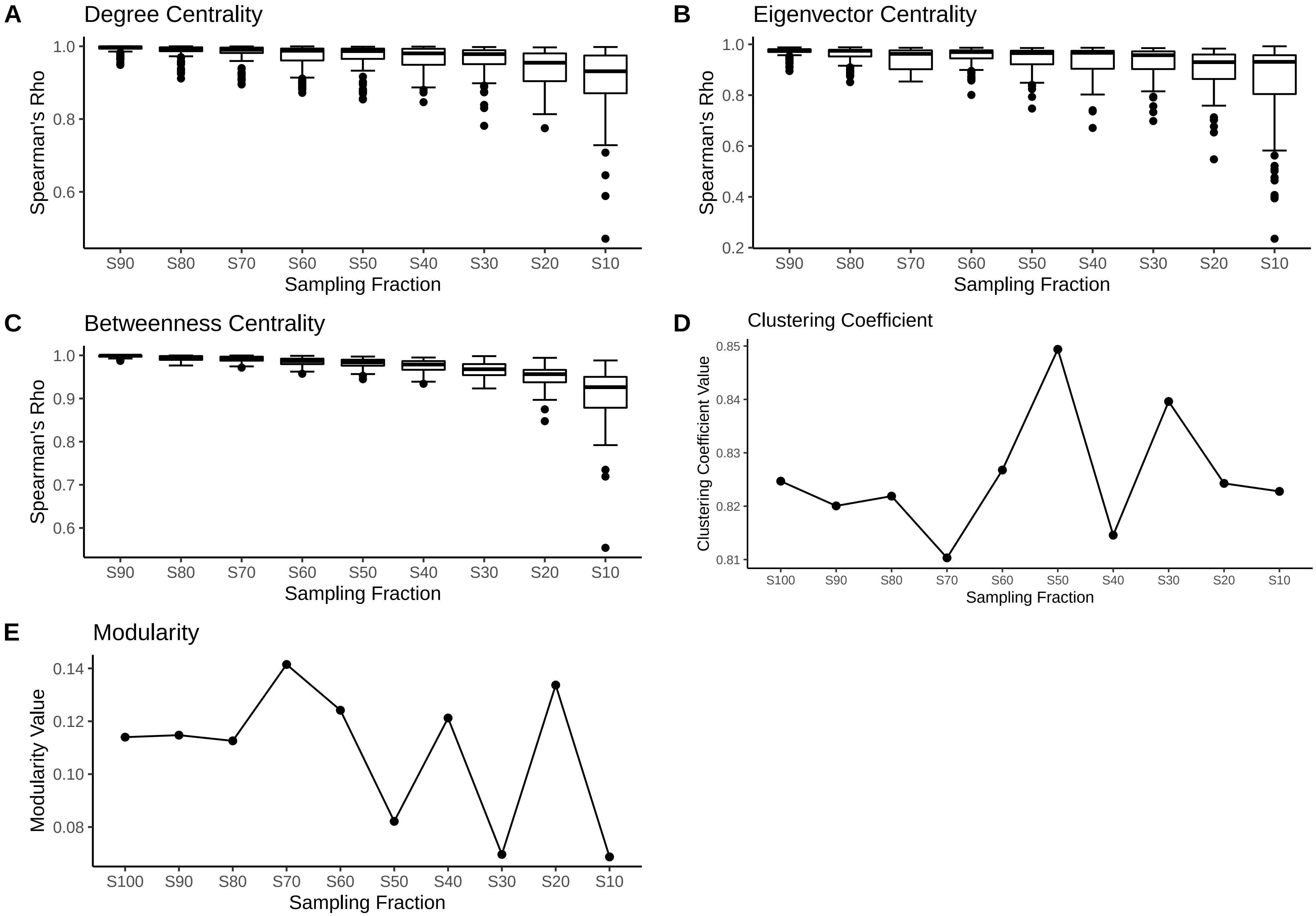


100to120_network_1

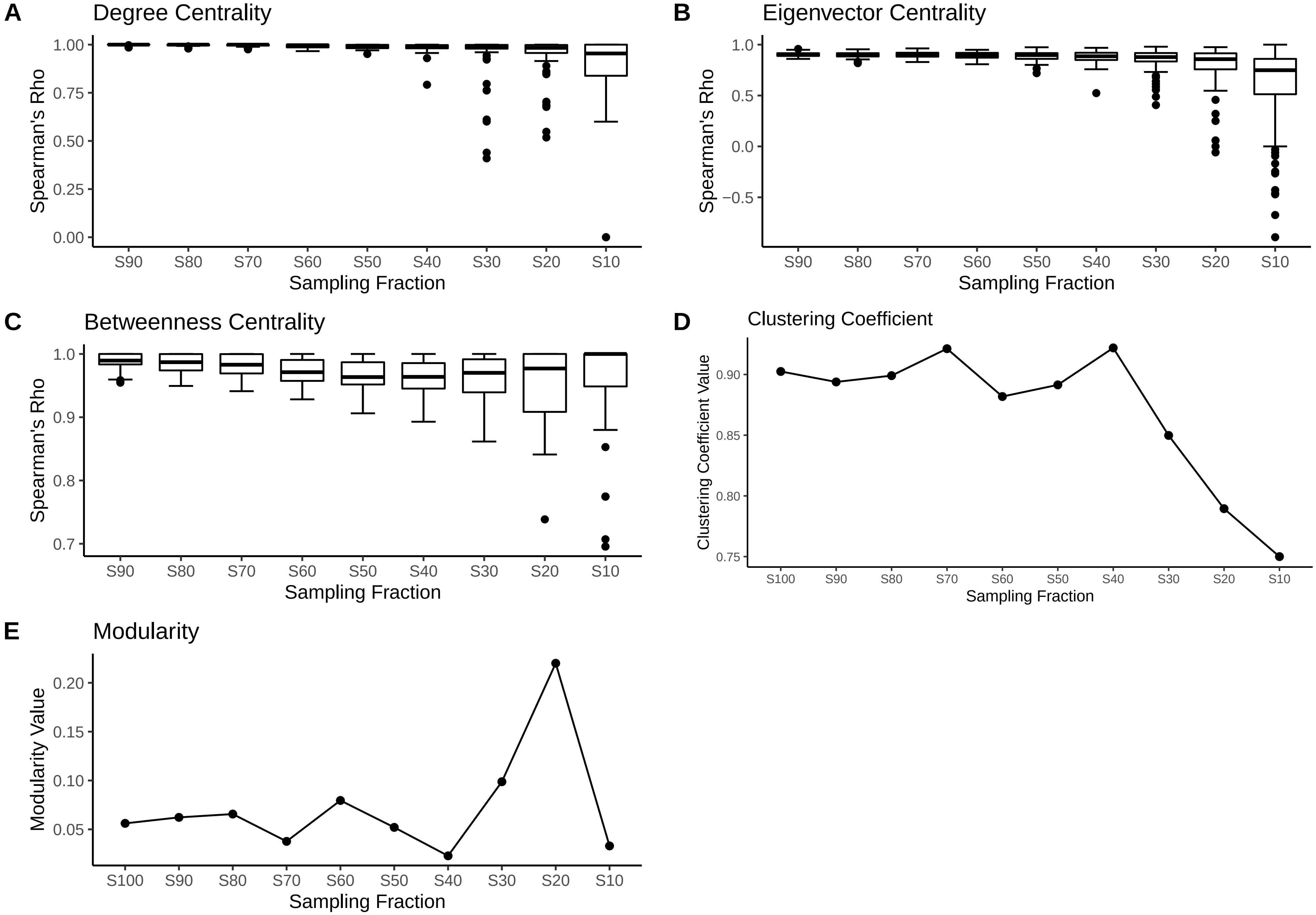



100to120_network_15
A
Degree Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
0.6
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
0.6
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.92
0.90
0.88
0.86
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.025
0.000
−0.025
−0.050
−0.075
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

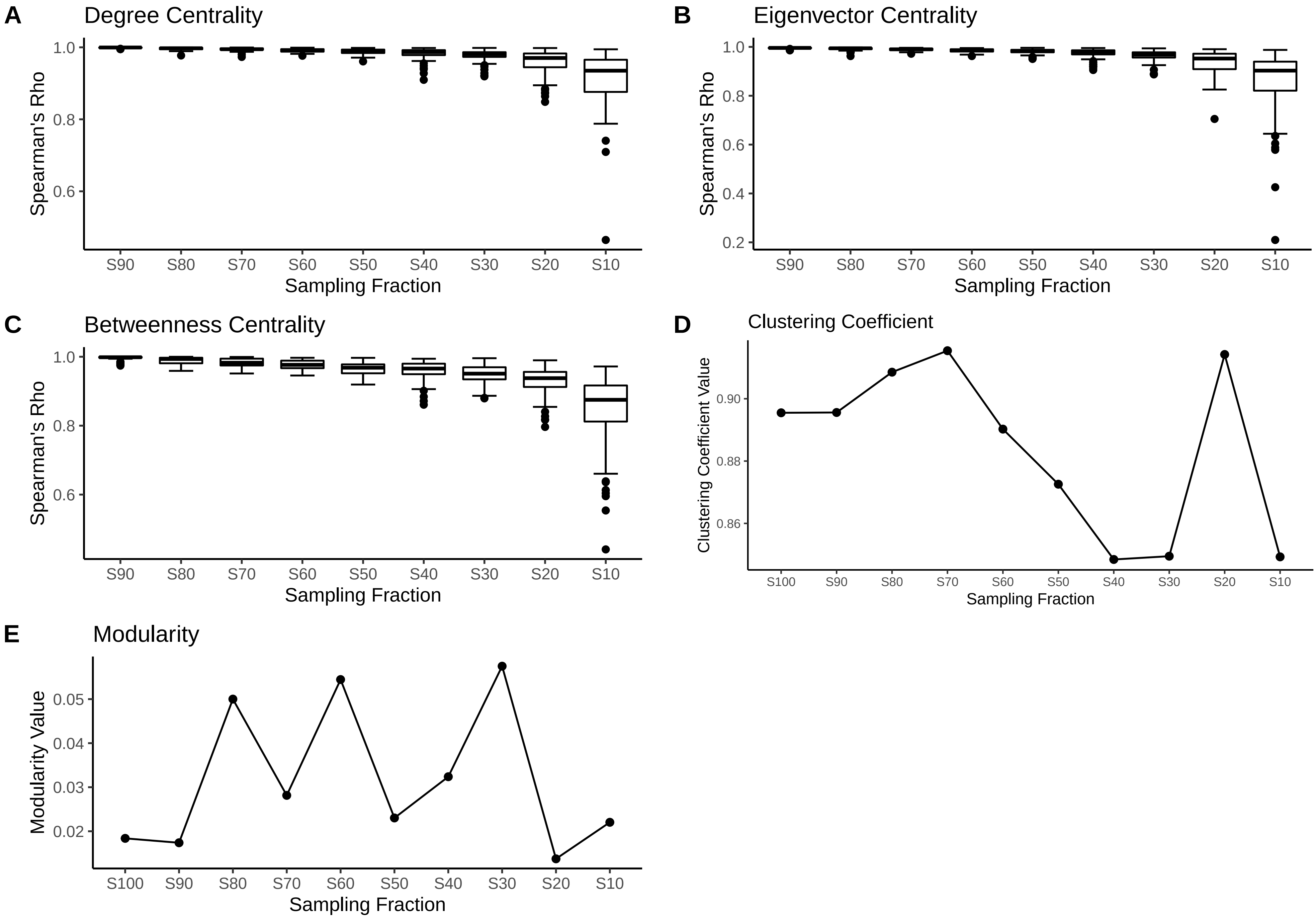
100to120_network_30

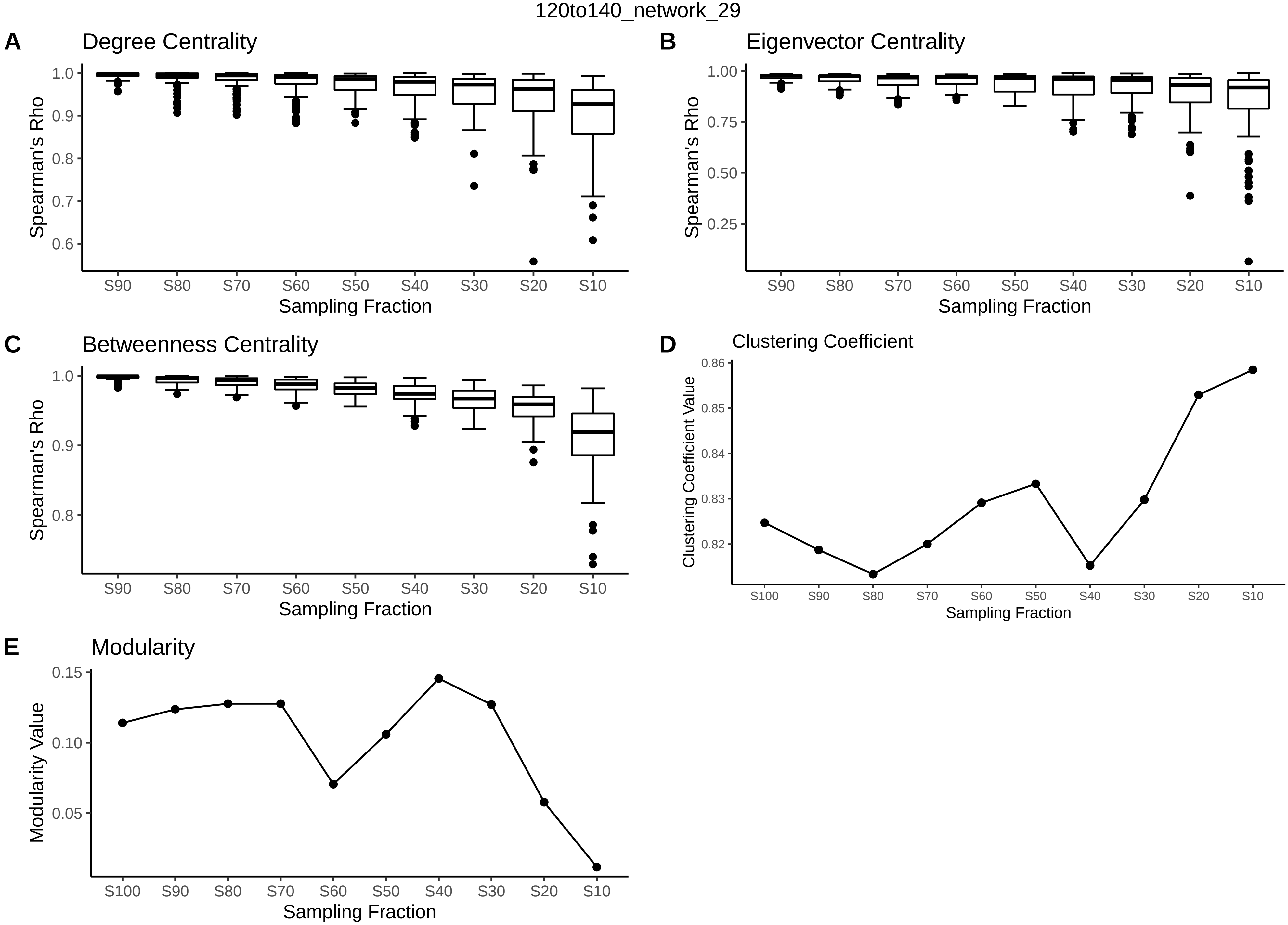


120to140_network_1

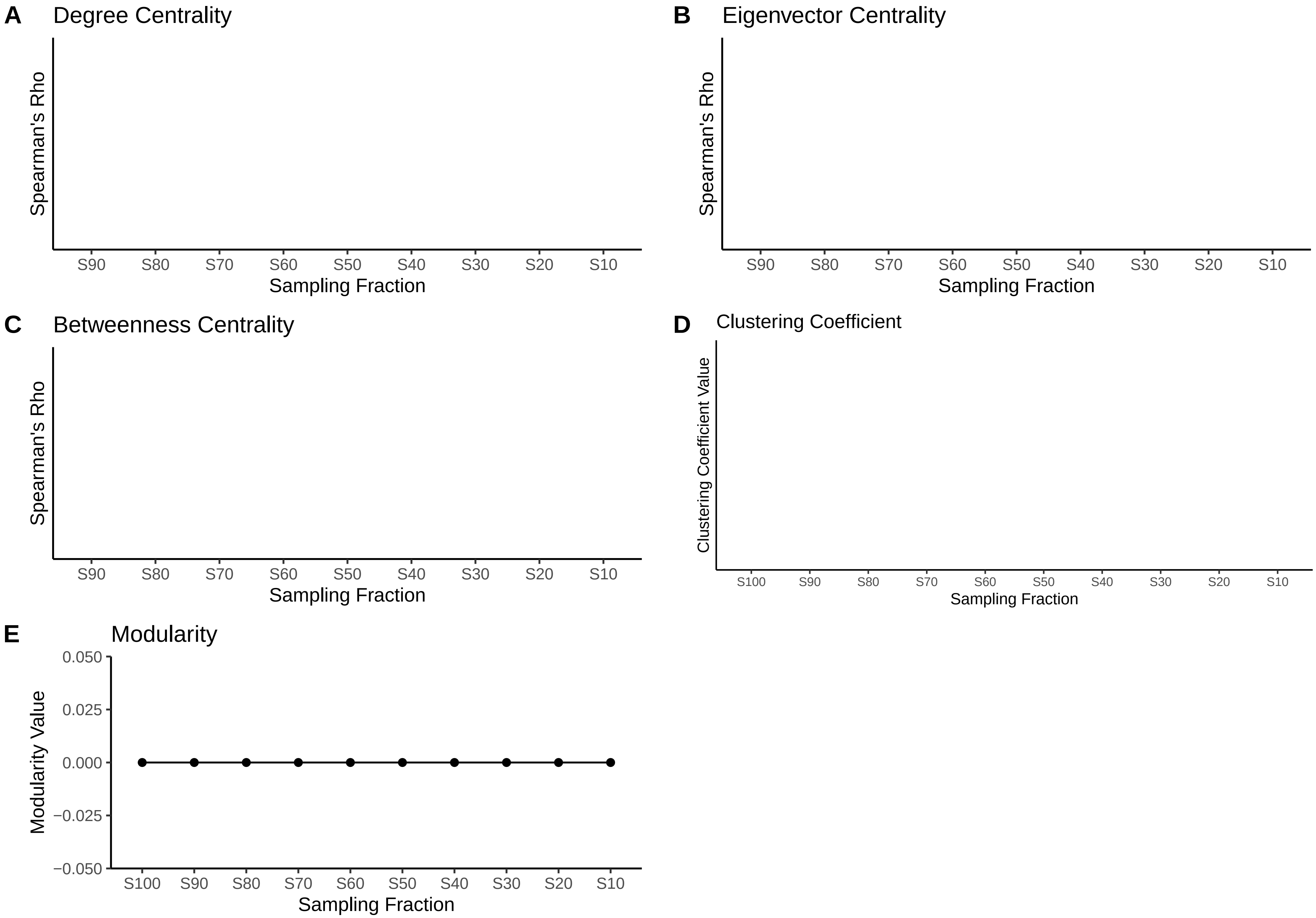


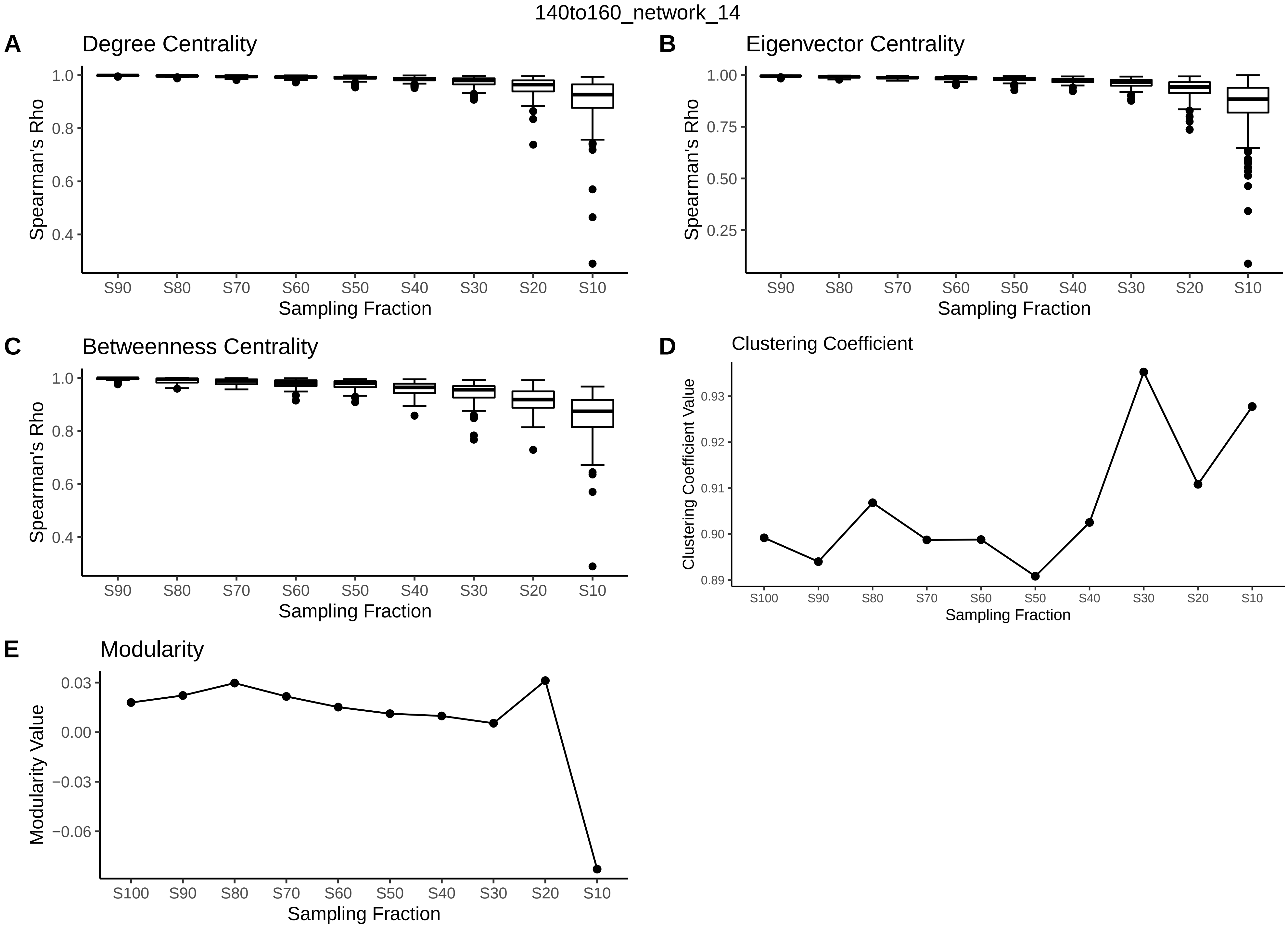
120to140_network_15



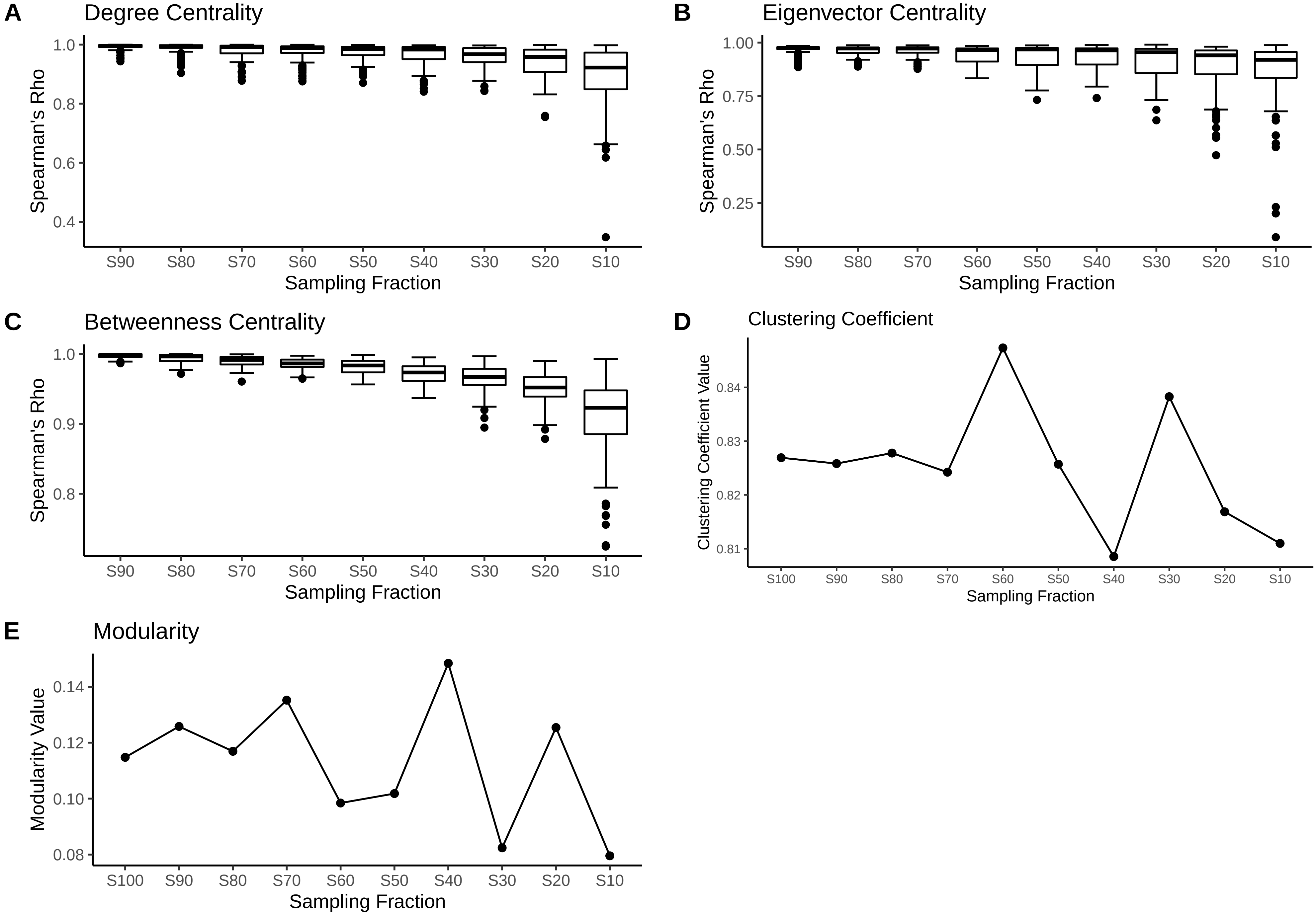

120to140_network_29
A
Degree Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
0.6
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.00
0.75
0.50
0.25
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.9
0.8
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.86
0.85
0.84
0.83
0.82
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.15
0.10
0.05
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

140to160_network_1

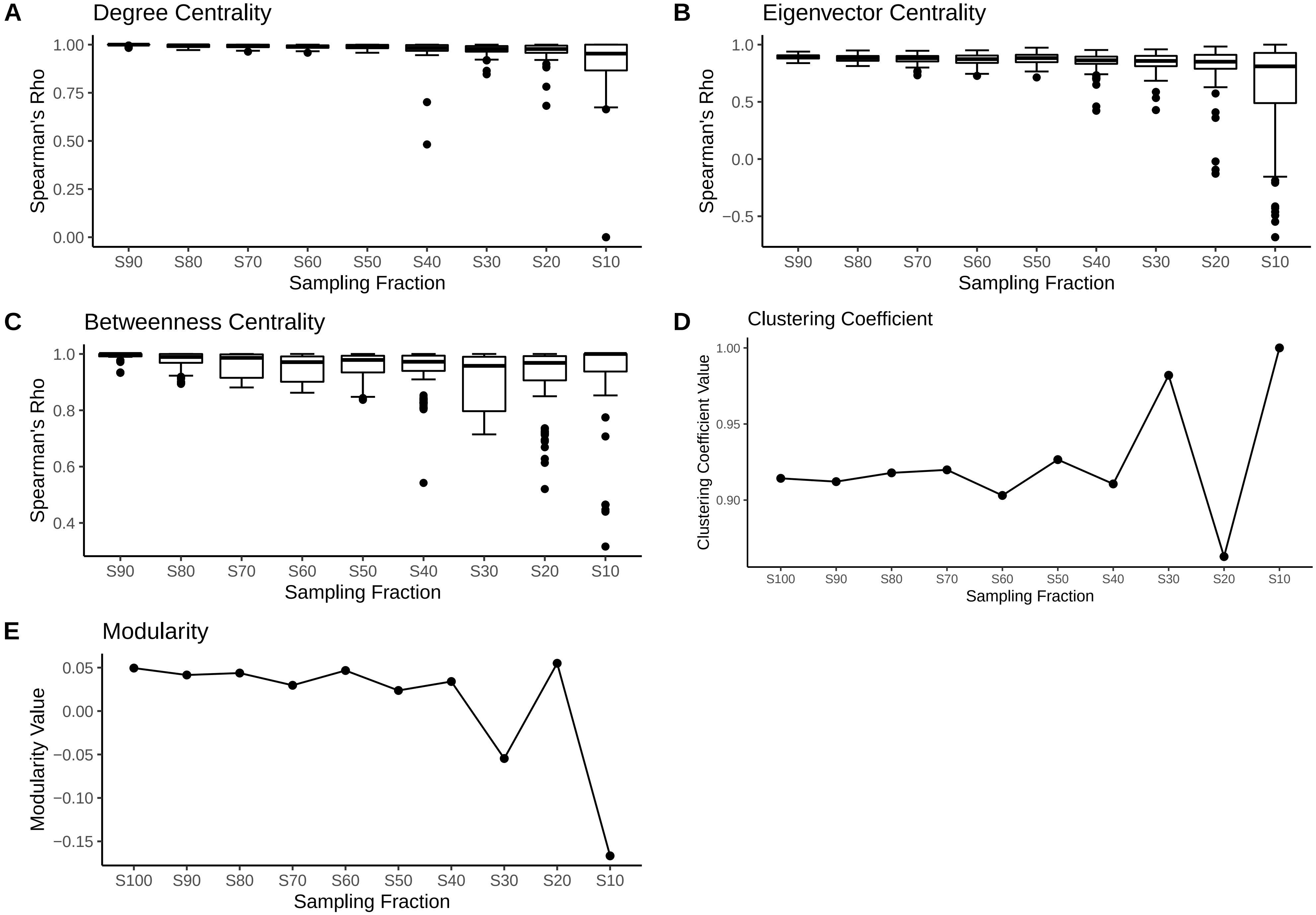


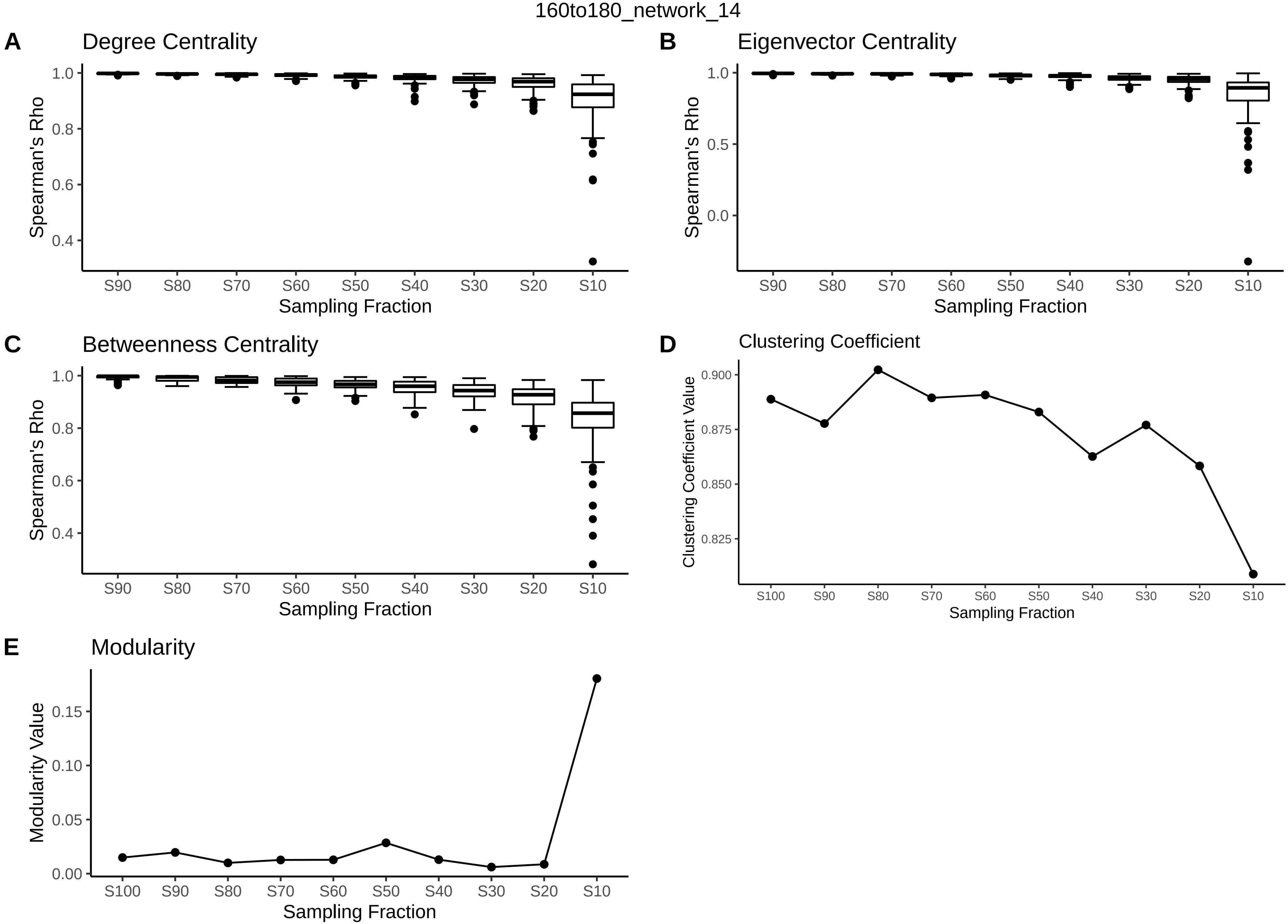

140to160_network_14
A
Degree Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.00
0.75
0.50
0.25
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.93
0.92
0.91
0.90
0.89
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.03
0.00
−0.03
−0.06
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

140to160_network_28

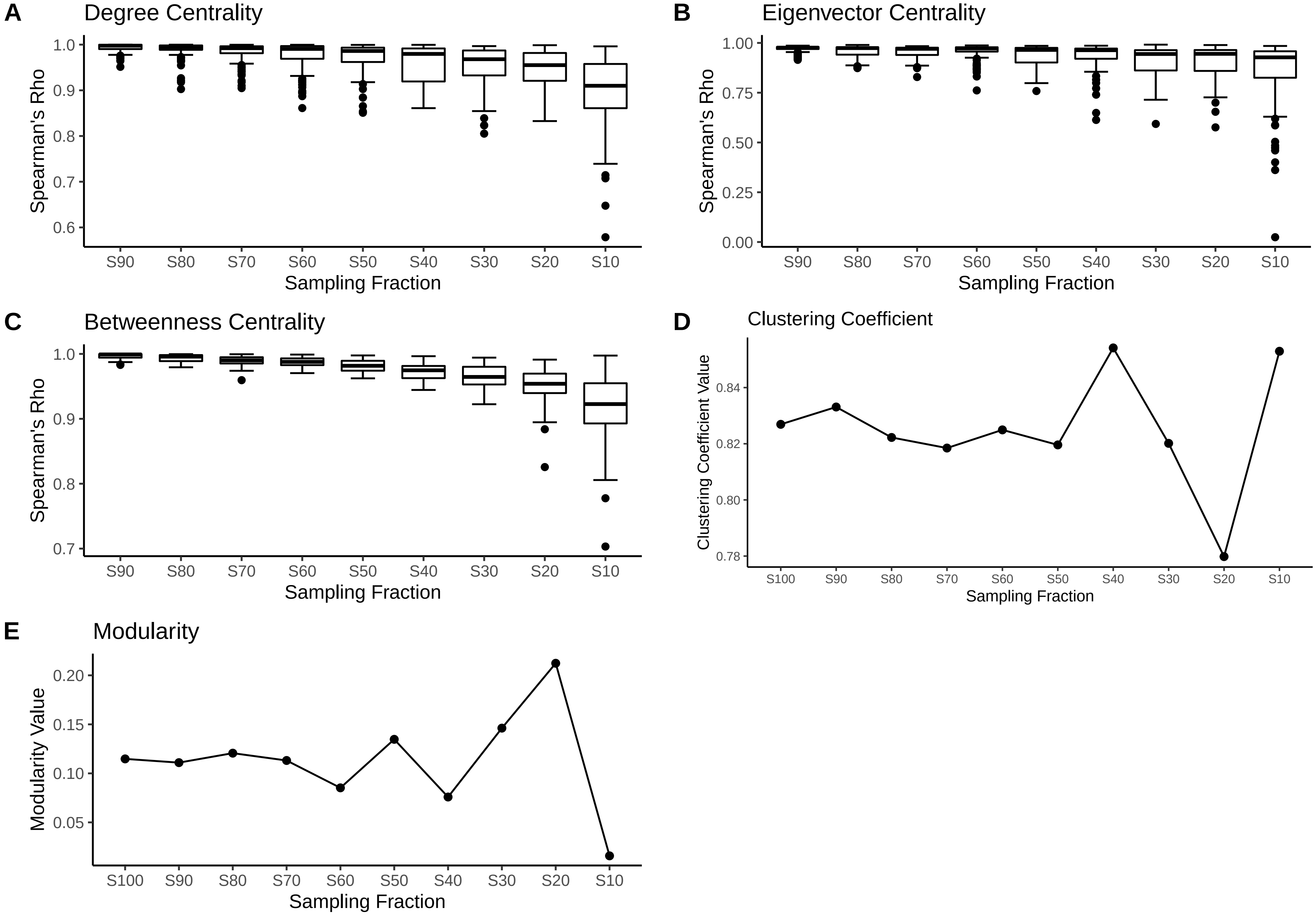


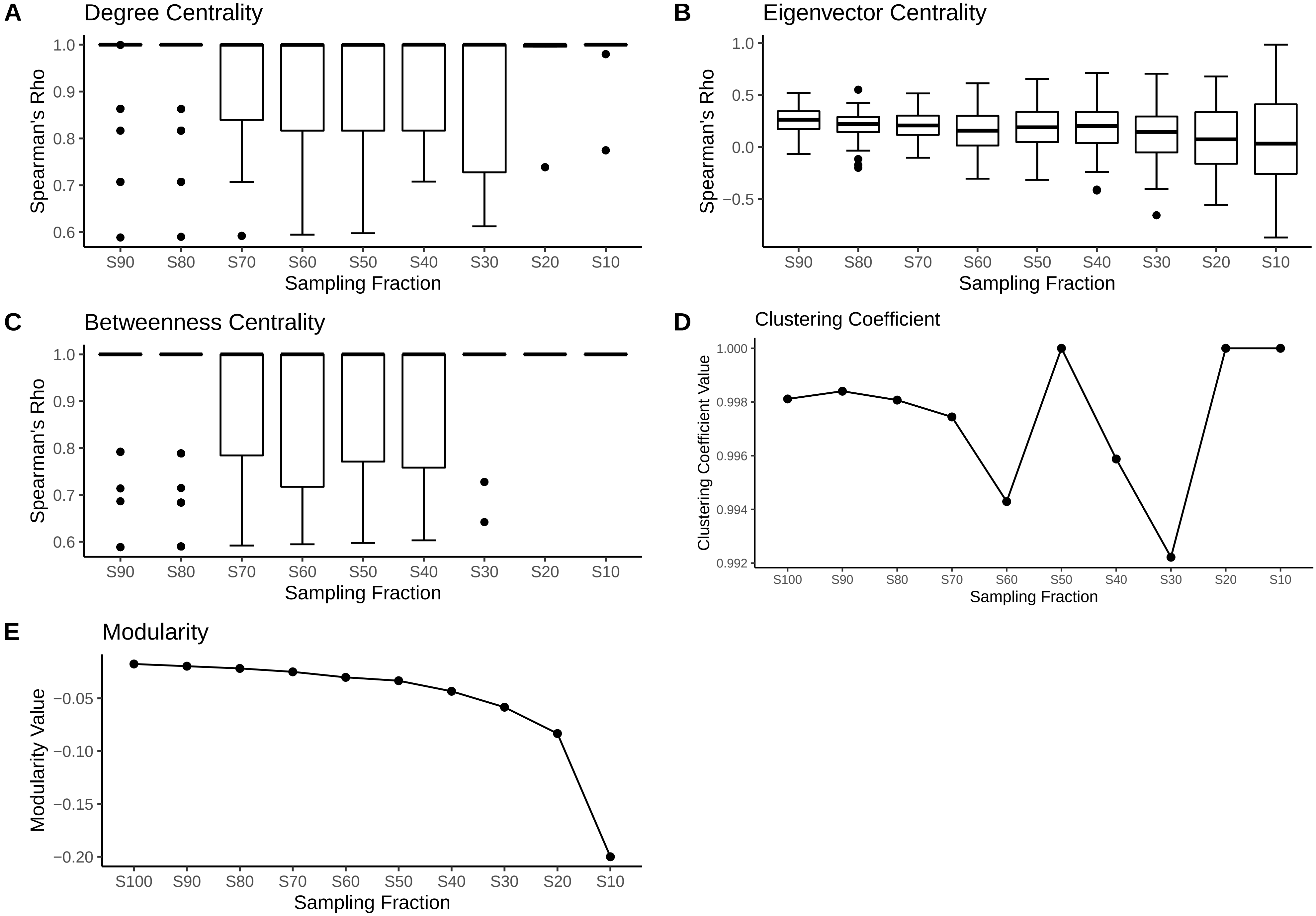
160to180_network_1




160to180_network_14
A
Degree Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.5
0.0
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.900
0.875
0.850
0.825
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.15
0.10
0.05
0.00
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

160to180_network_27





180to200_network_1

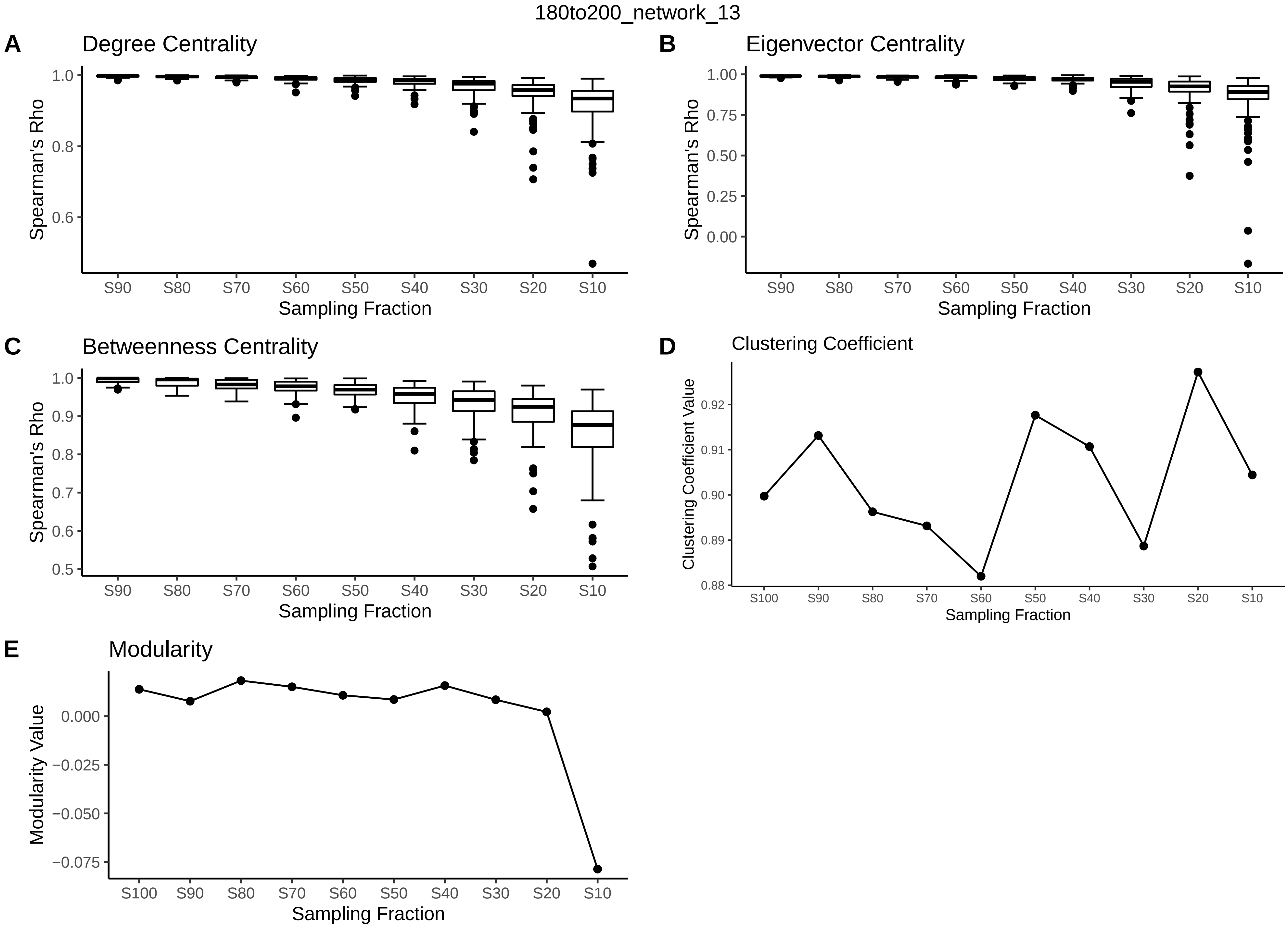
A Degree Centrality

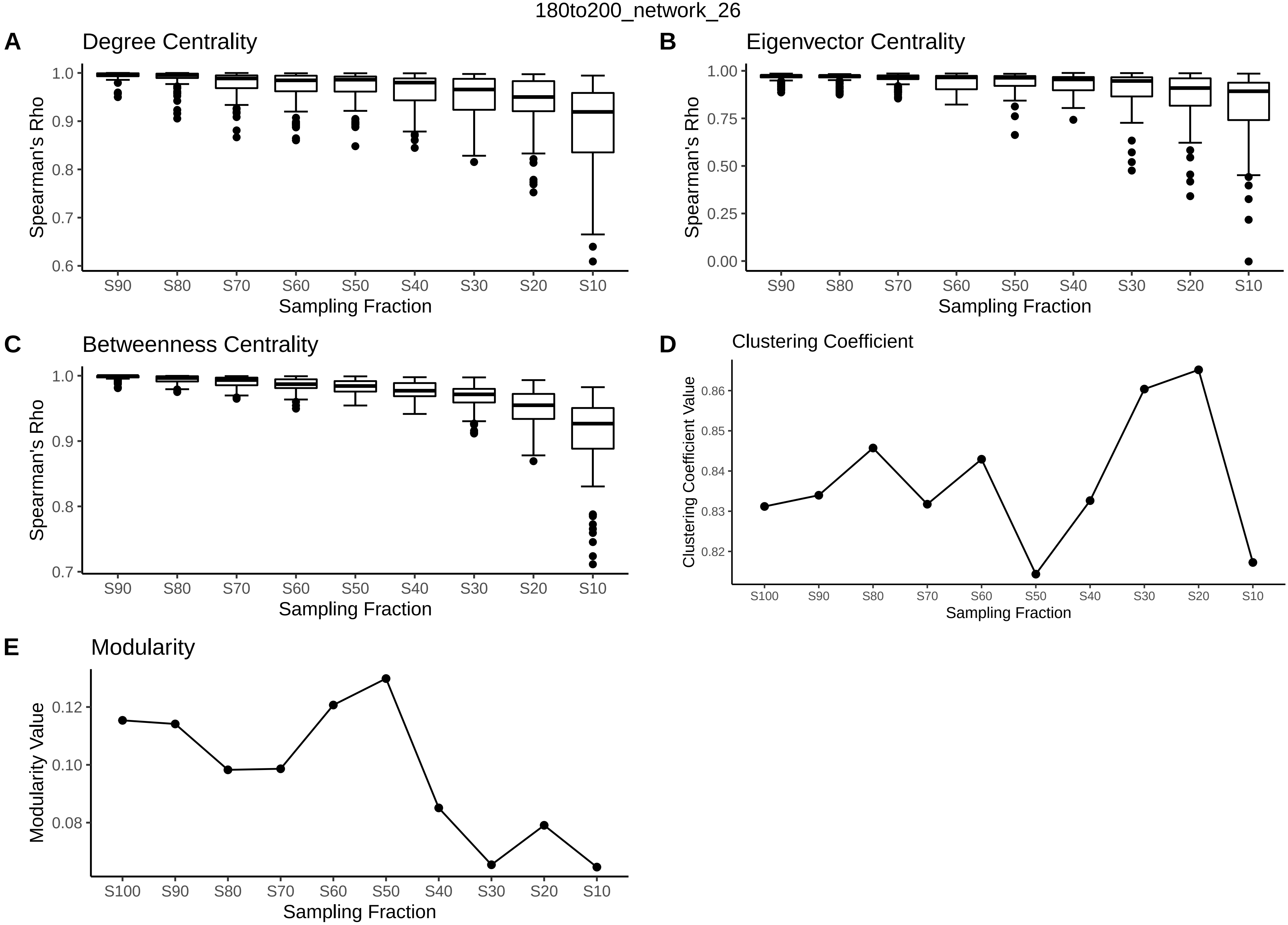
B Eigenvector Centrality

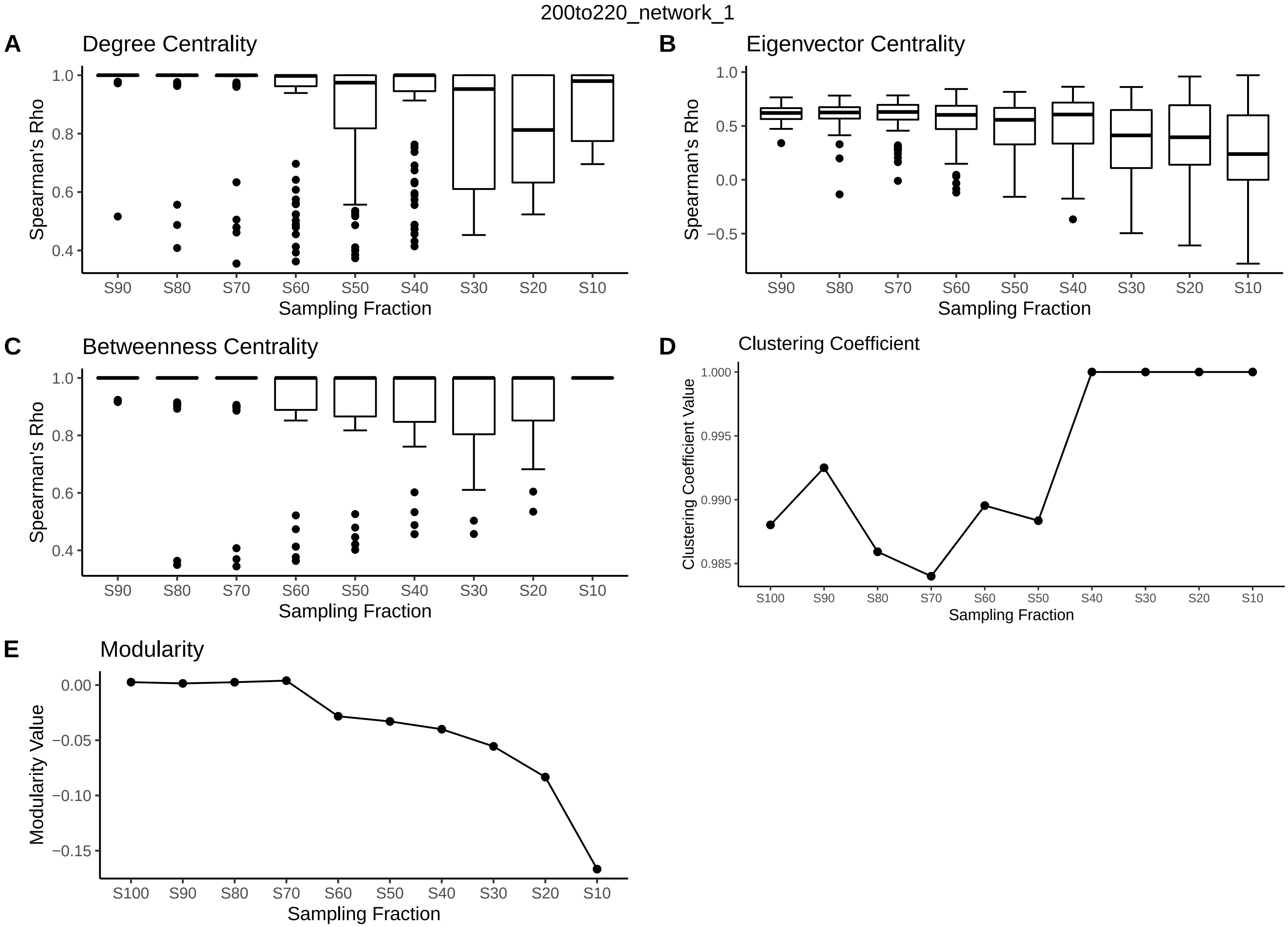
C Betweenness Centrality

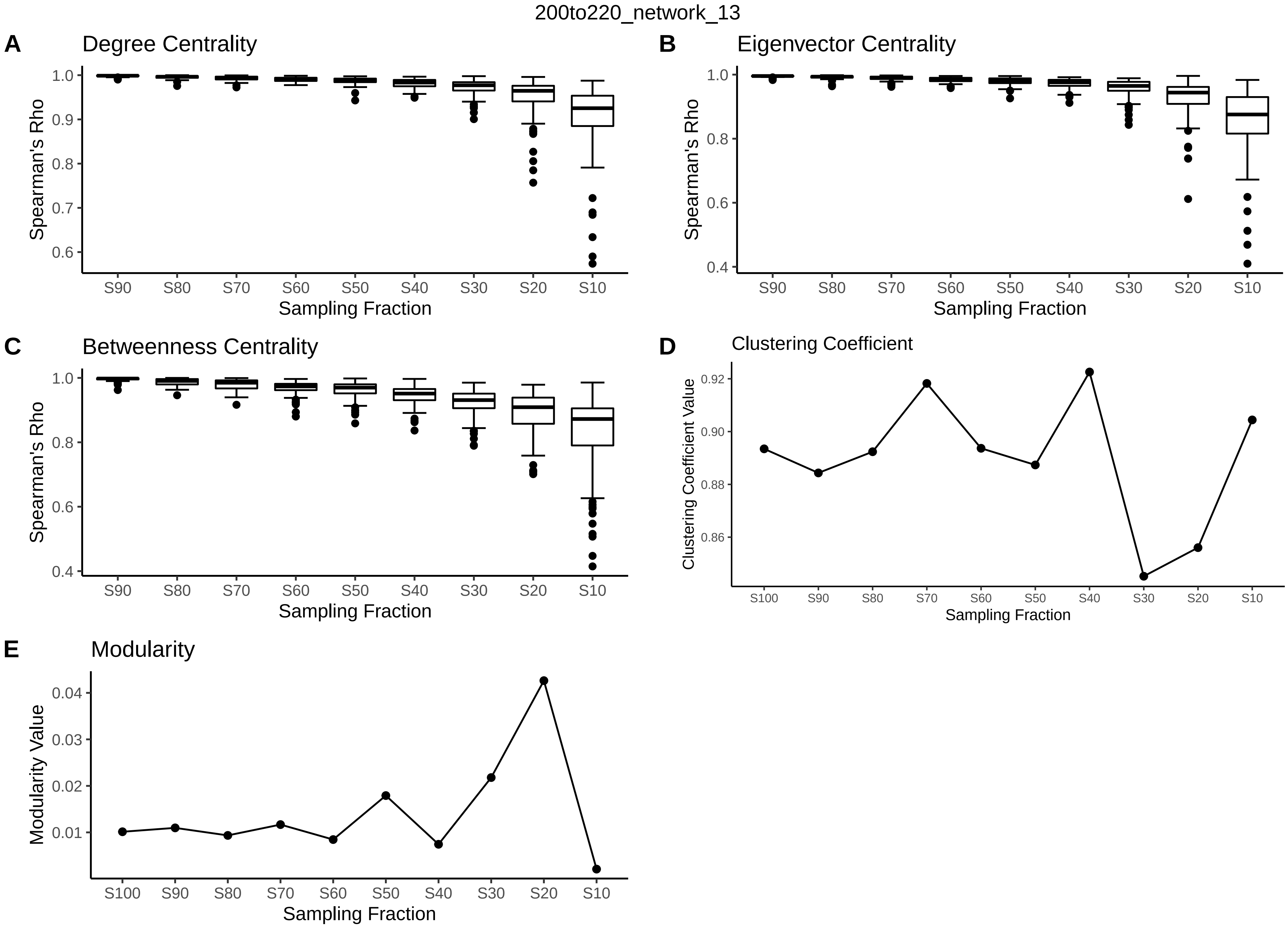
D Clustering Coefficient

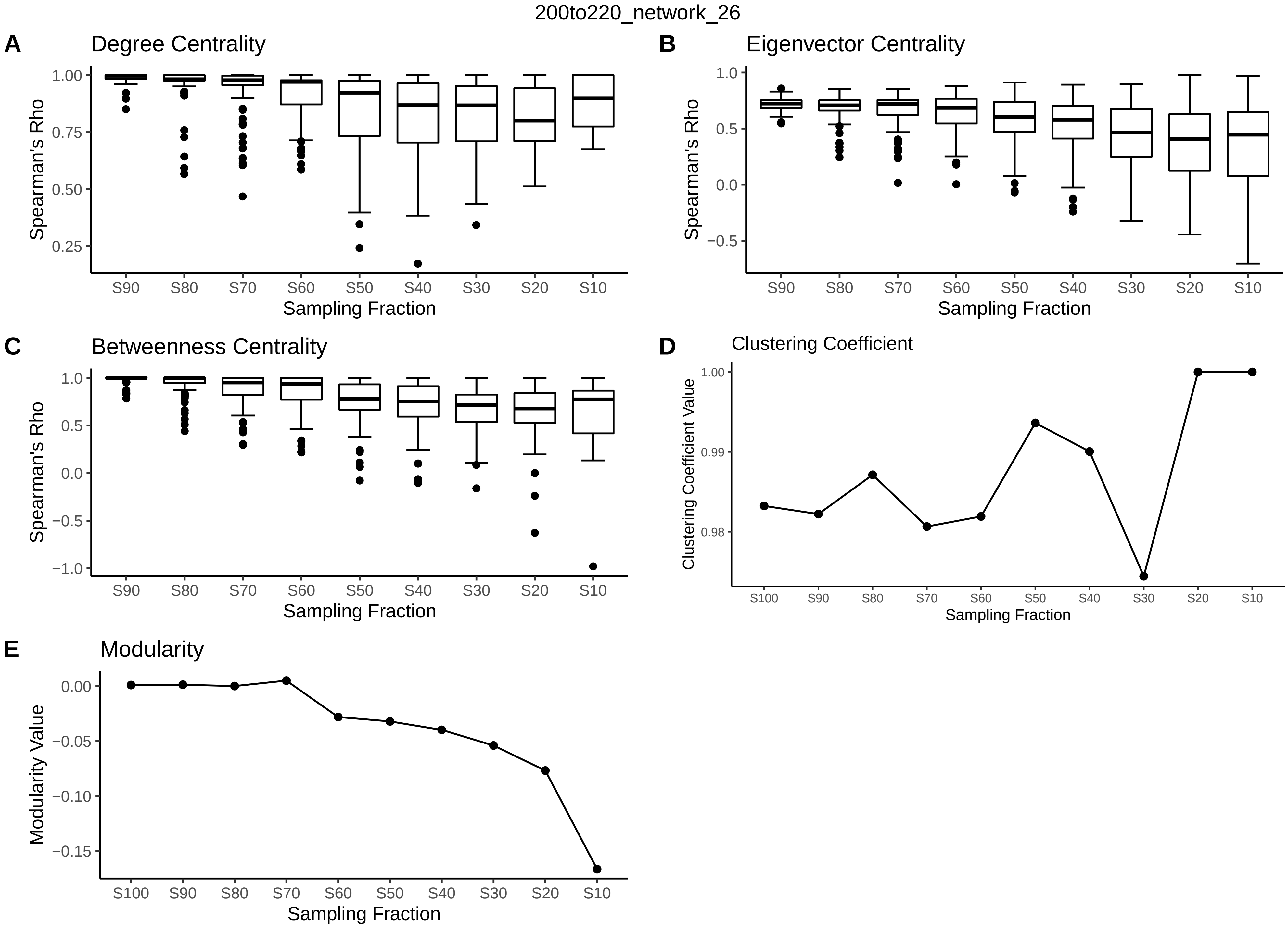
E Modularity

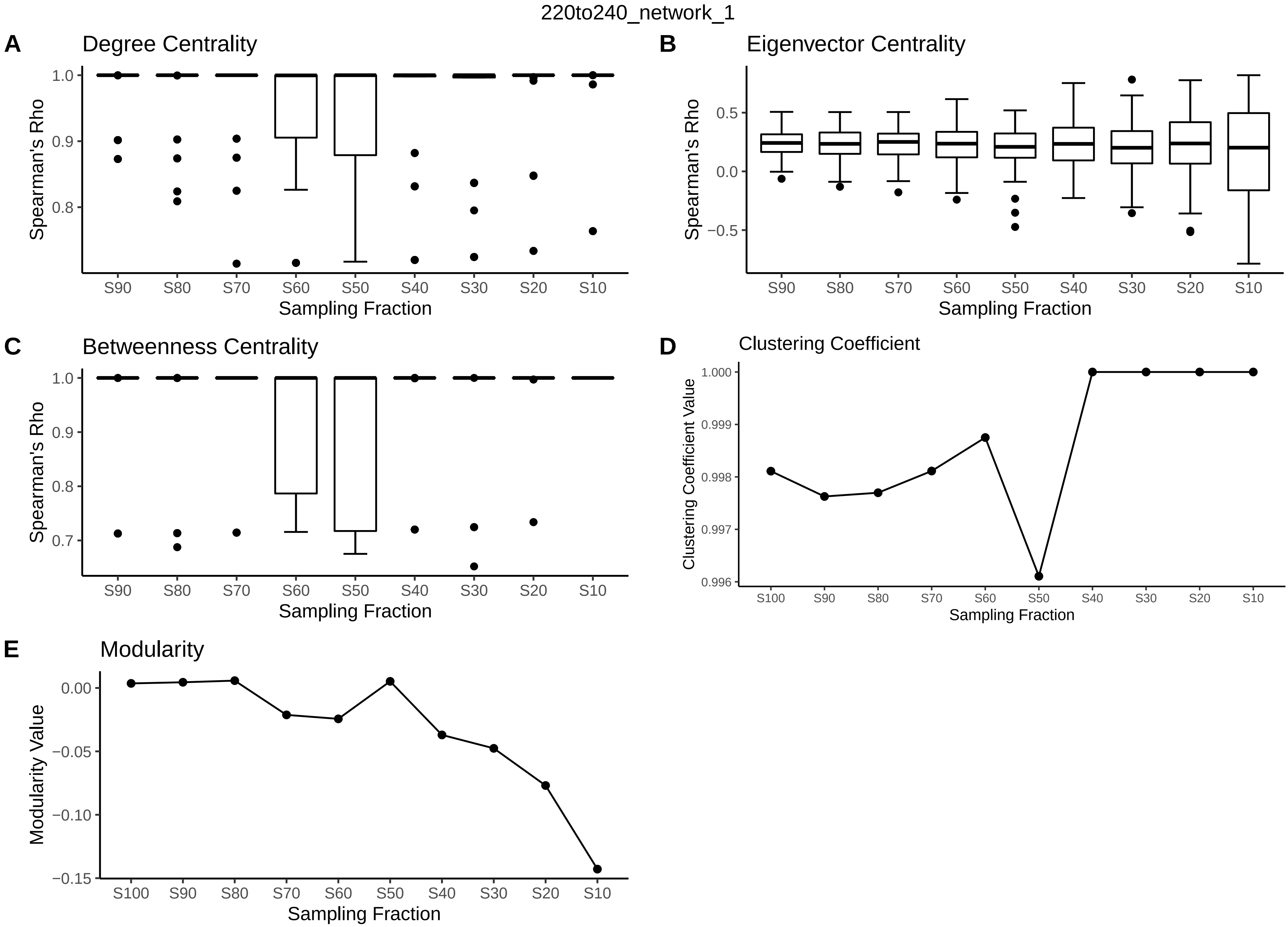

180to200_network_13
A
Degree Centrality
Spearman's Rho
1.0
0.8
0.6
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.00
0.75
0.50
0.25
0.00
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
0.6
0.5
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.92
0.91
0.90
0.89
0.88
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.000
−0.025
−0.050
−0.075
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction


180to200_network_26
A
Degree Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
0.6
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.00
0.75
0.50
0.25
0.00
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.86
0.85
0.84
0.83
0.82
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.12
0.10
0.08
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

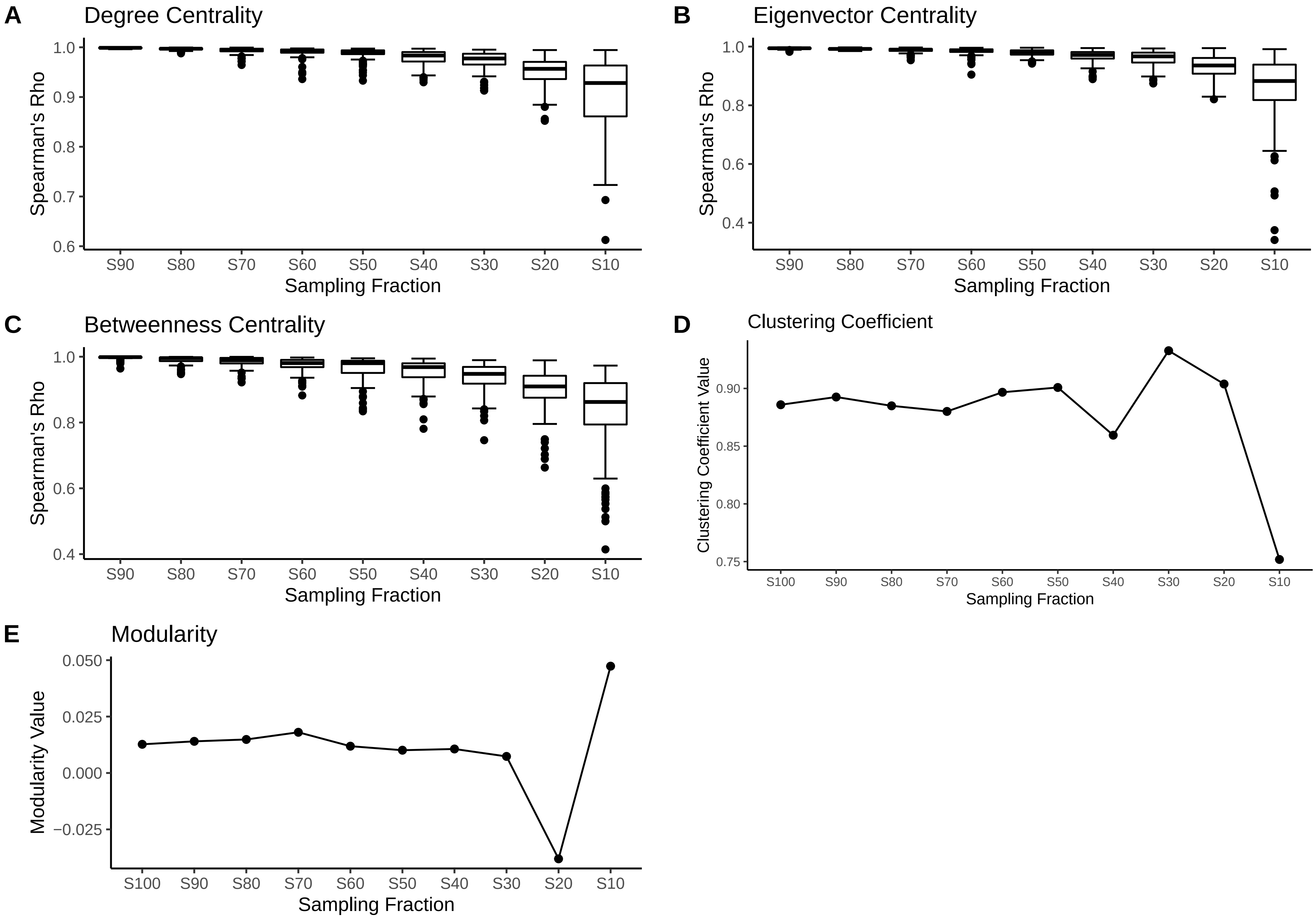

200to220_network_1
A
Degree Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.5
0.0
−0.5
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
1.000
0.995
0.990
0.985
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.00
−0.05
−0.10
−0.15
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction


200to220_network_13
A
Degree Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
0.6
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.92
0.90
0.88
0.86
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.04
0.03
0.02
0.01
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

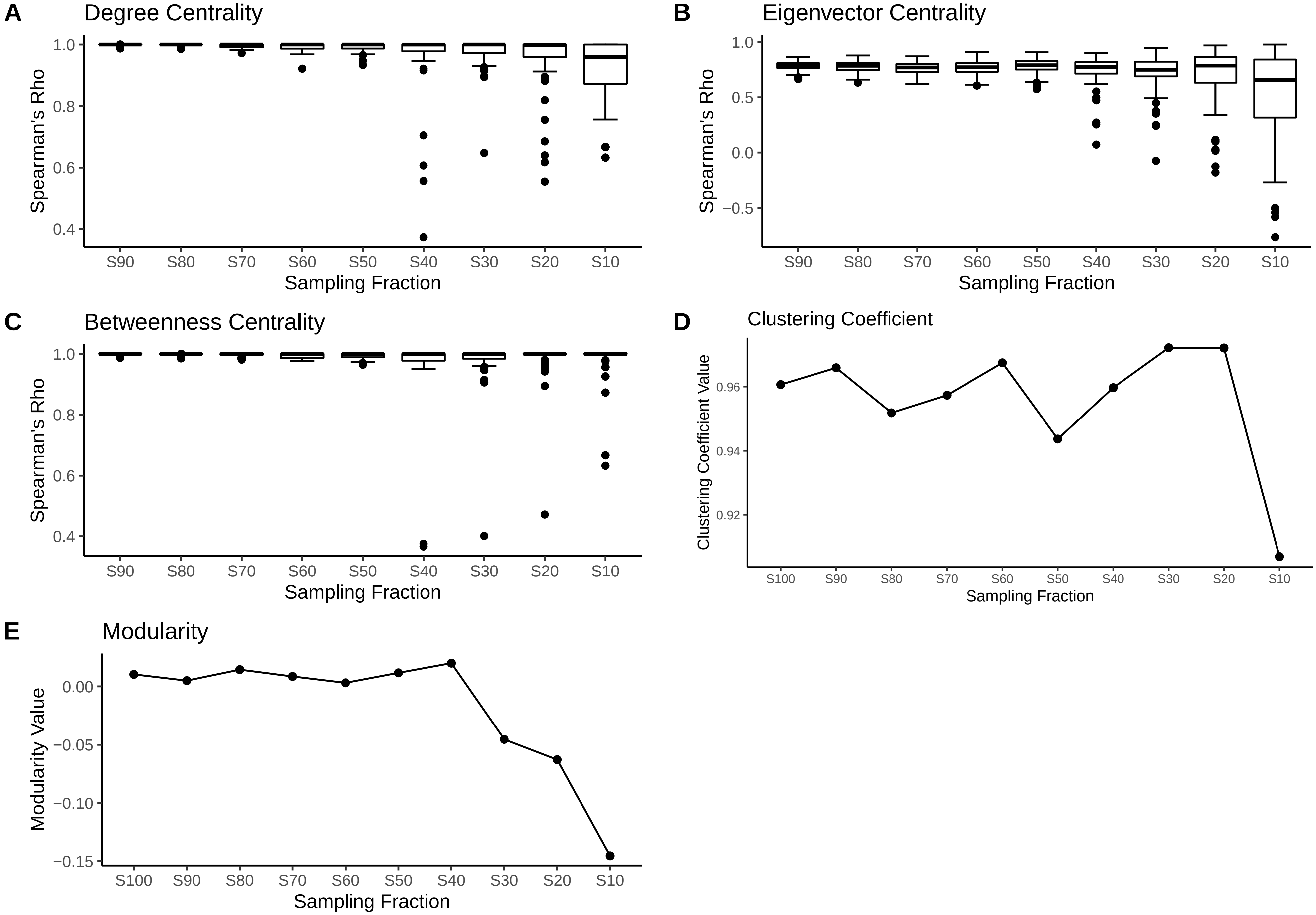

200to220_network_26
A
Degree Centrality
Spearman's Rho
1.00
0.75
0.50
0.25
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.5
0.0
−0.5
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.5
0.0
−0.5
−1.0
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
1.00
0.99
0.98
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.00
−0.05
−0.10
−0.15
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

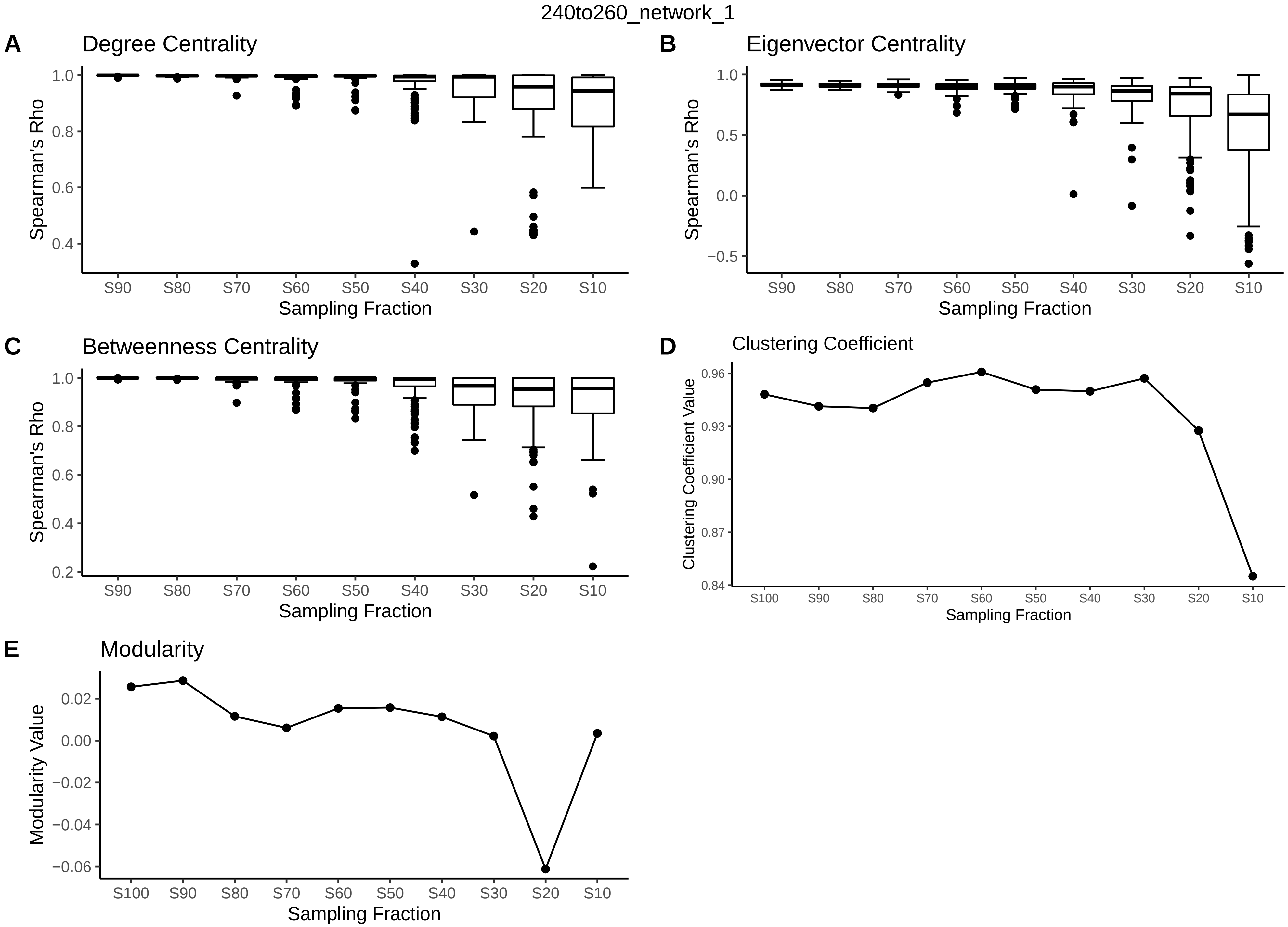

220to240_network_1
A
Degree Centrality
Spearman's Rho
1.0
0.9
0.8
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
0.5
0.0
−0.5
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
1.000
0.999
0.998
0.997
0.996
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.00
−0.05
−0.10
−0.15
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

220to240_network_14

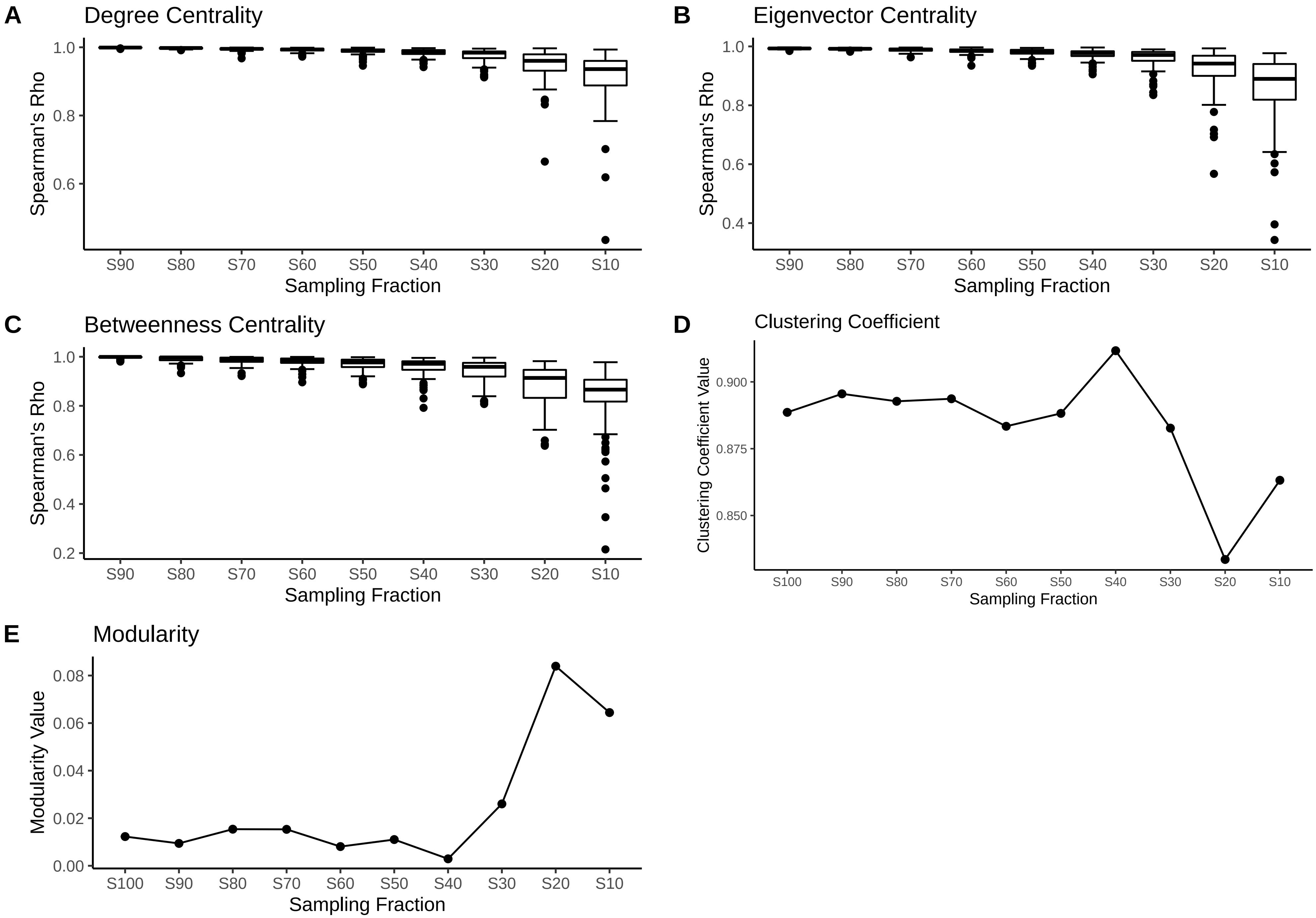


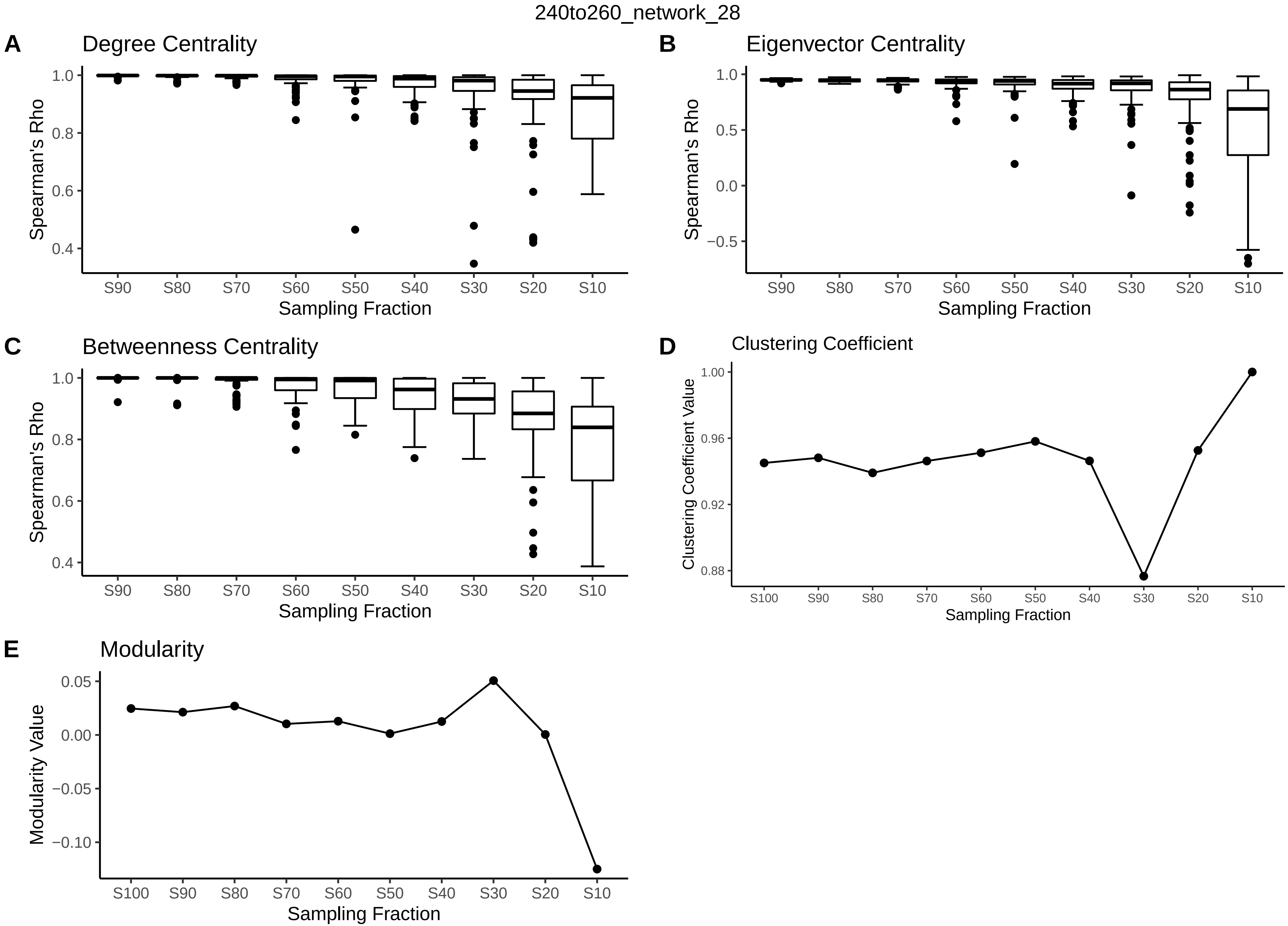
220to240_network_27

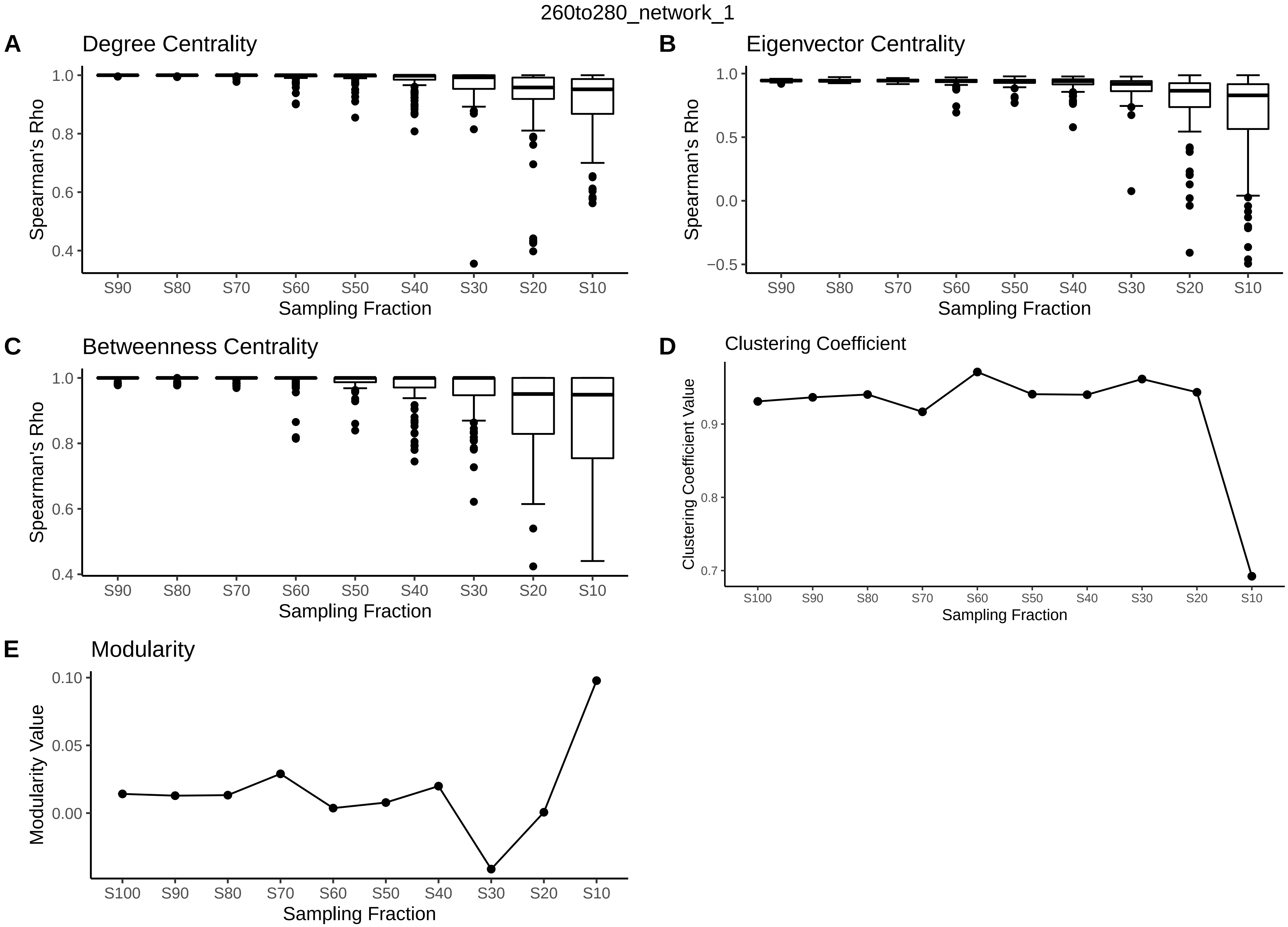



240to260_network_1
A
Degree Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.5
0.0
−0.5
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
0.2
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.96
0.93
0.90
0.87
0.84
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.02
0.00
−0.02
−0.04
−0.06
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

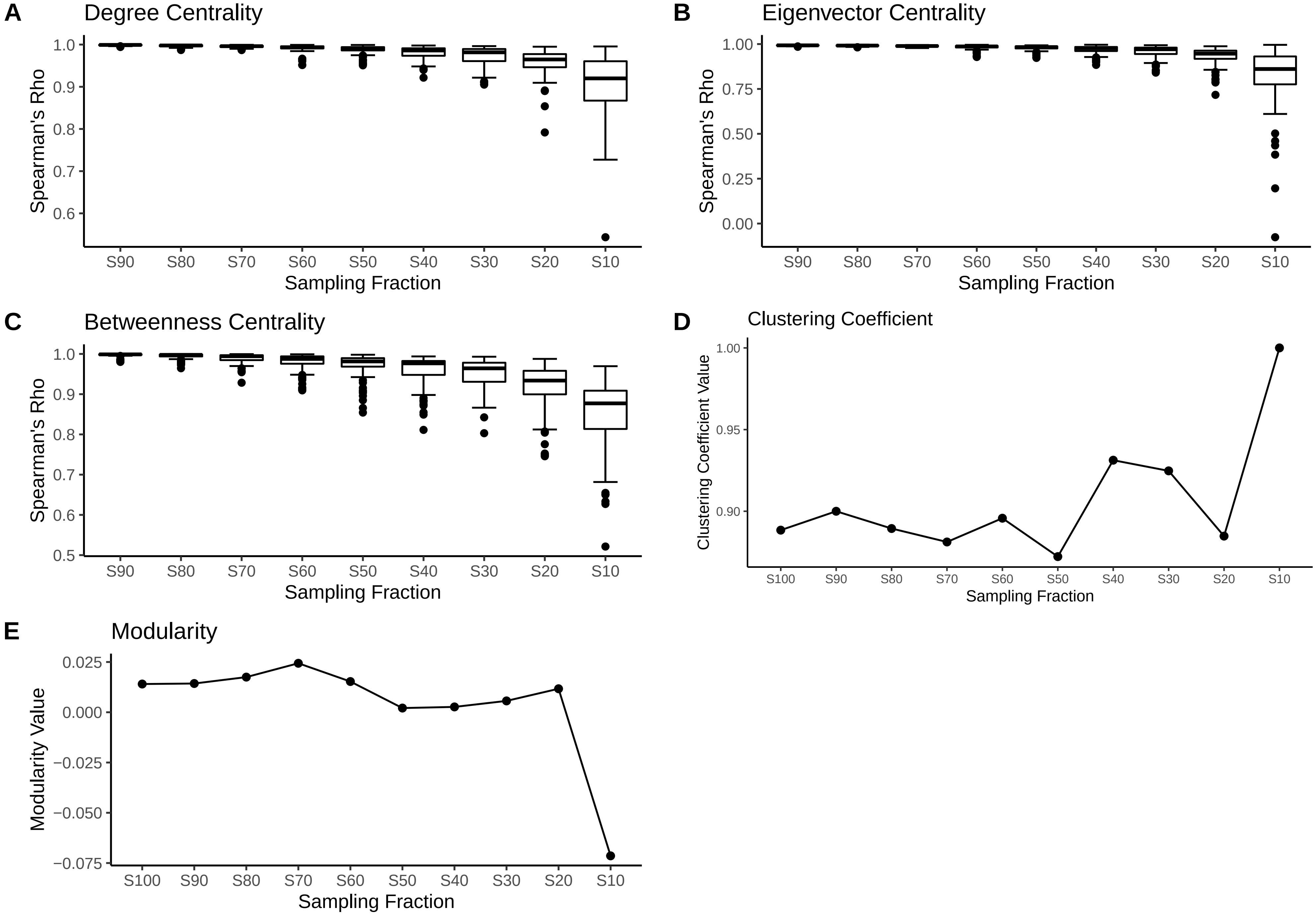
240to260_network_14



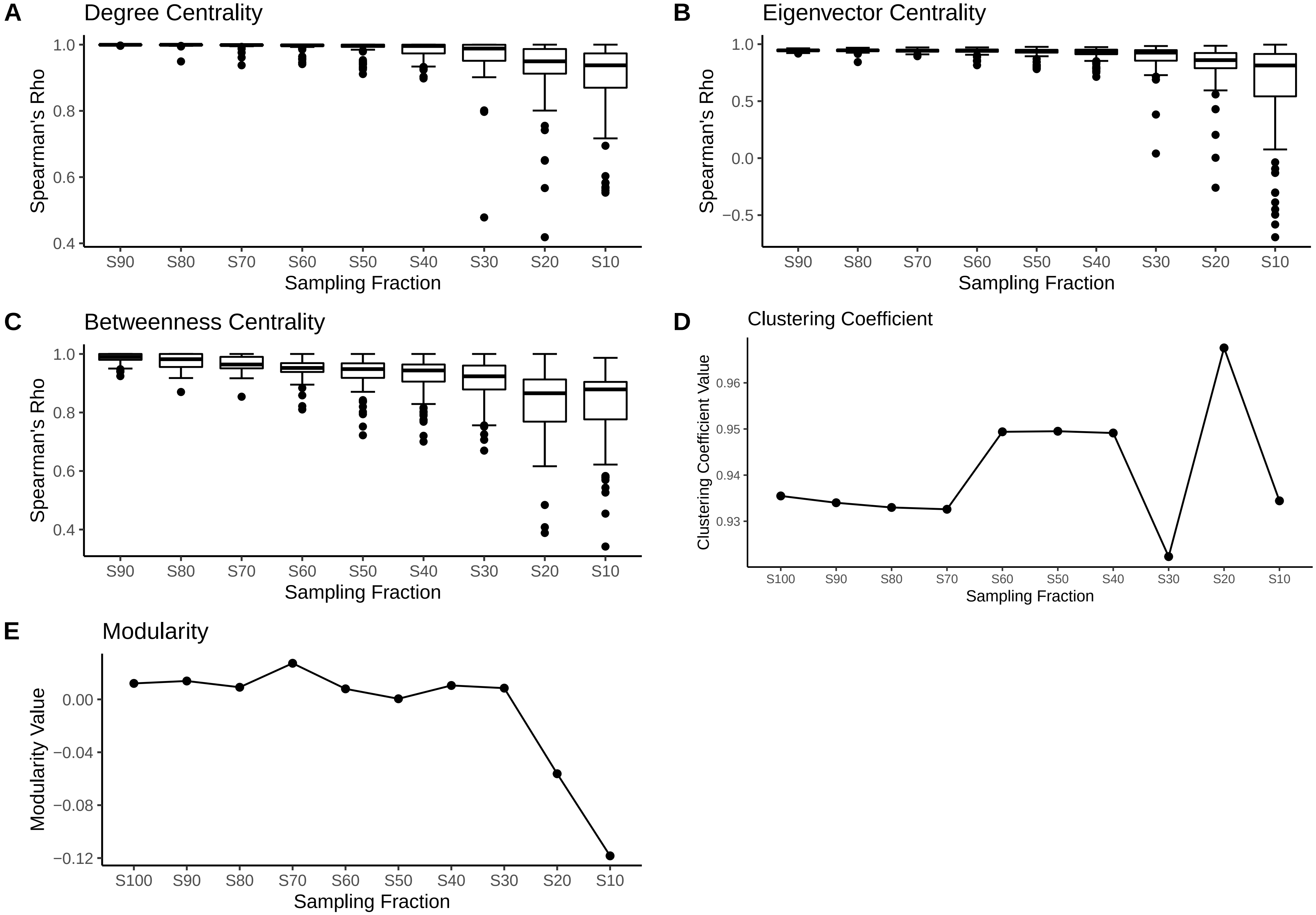

240to260_network_28
A
Degree Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.5
0.0
−0.5
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
1.00
0.96
0.92
0.88
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.05
0.00
−0.05
−0.10
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction


260to280_network_1
A
Degree Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.5
0.0
−0.5
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.9
0.8
0.7
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.10
0.05
0.00
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

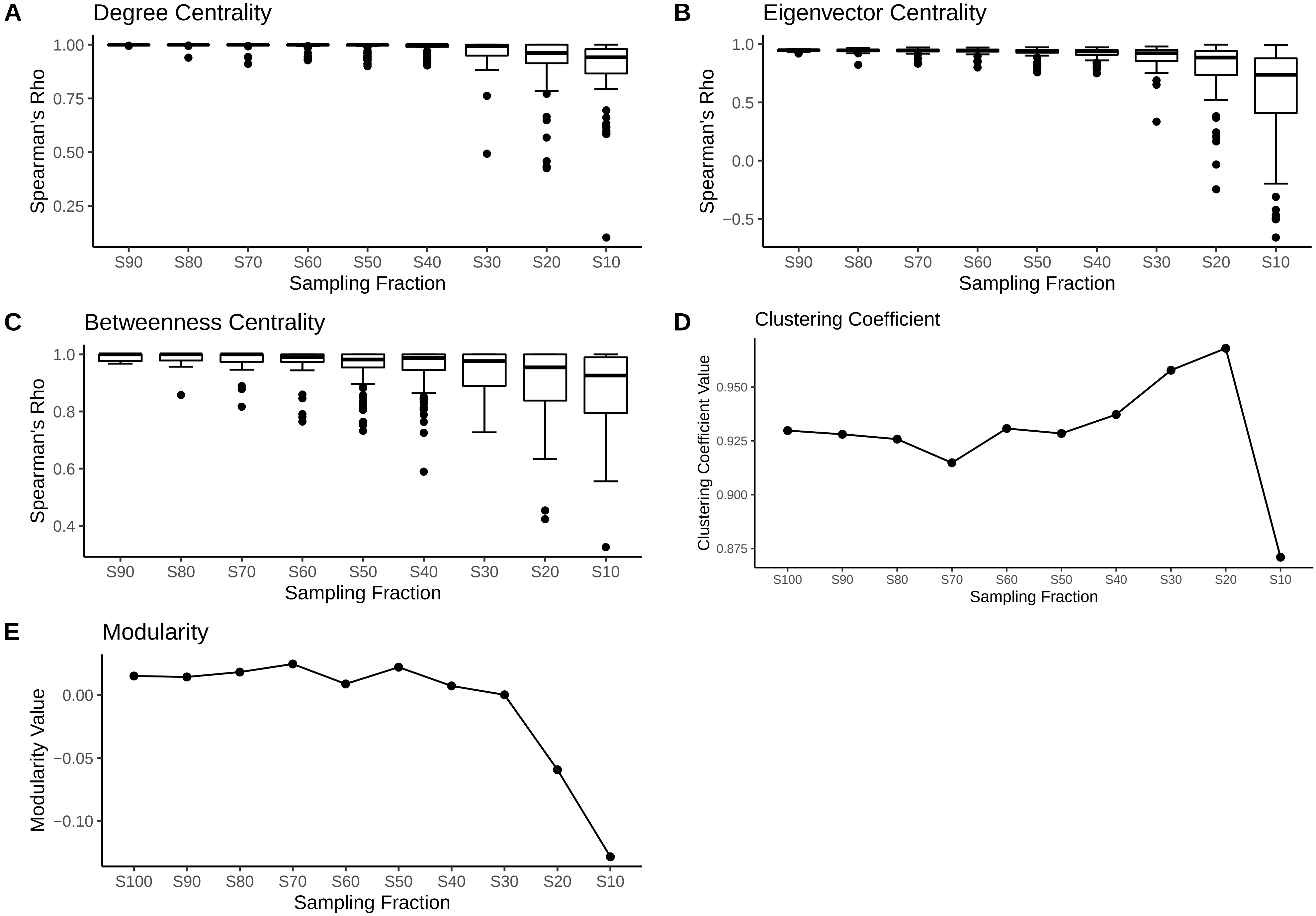
260to280_network_15

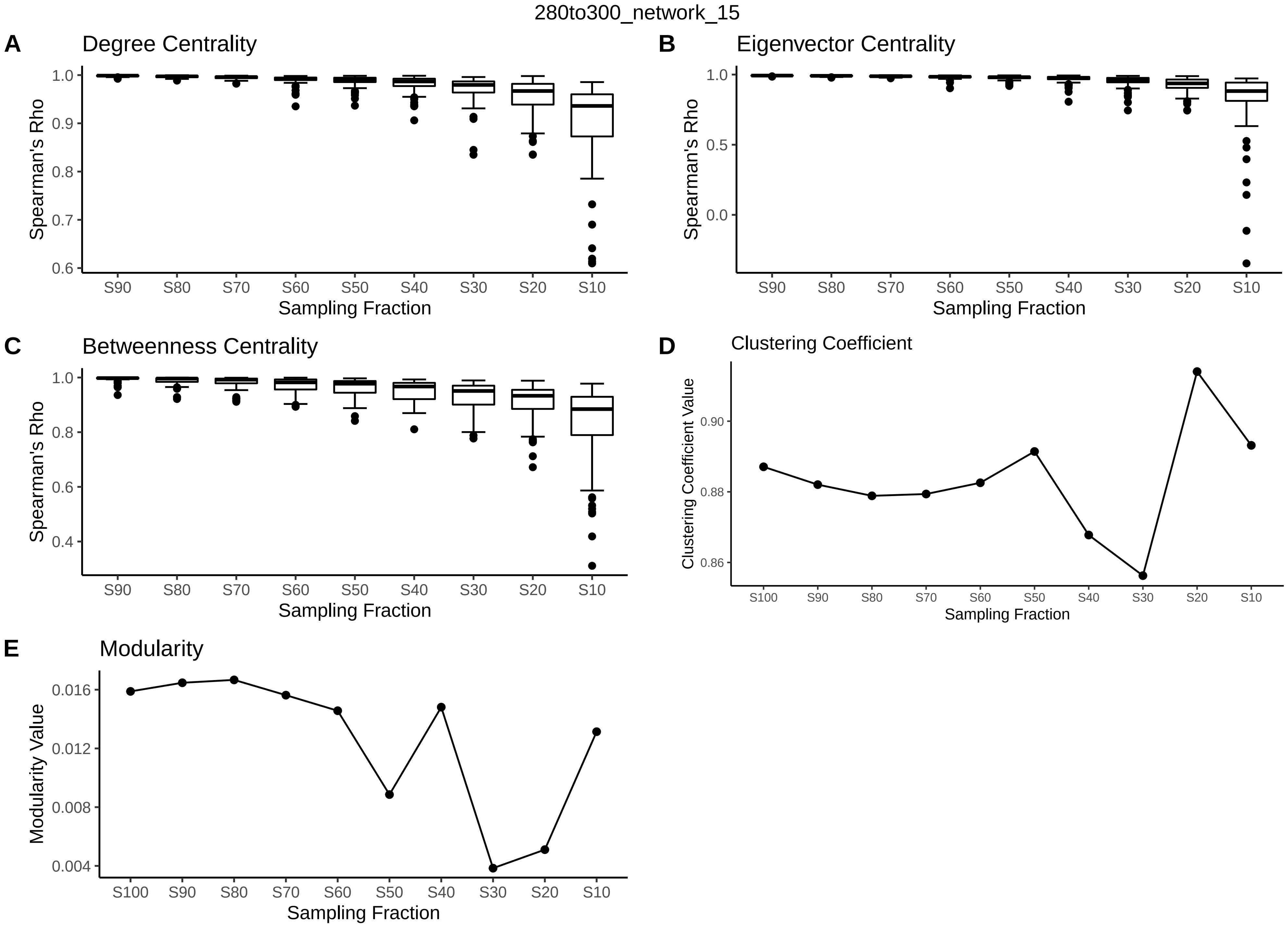


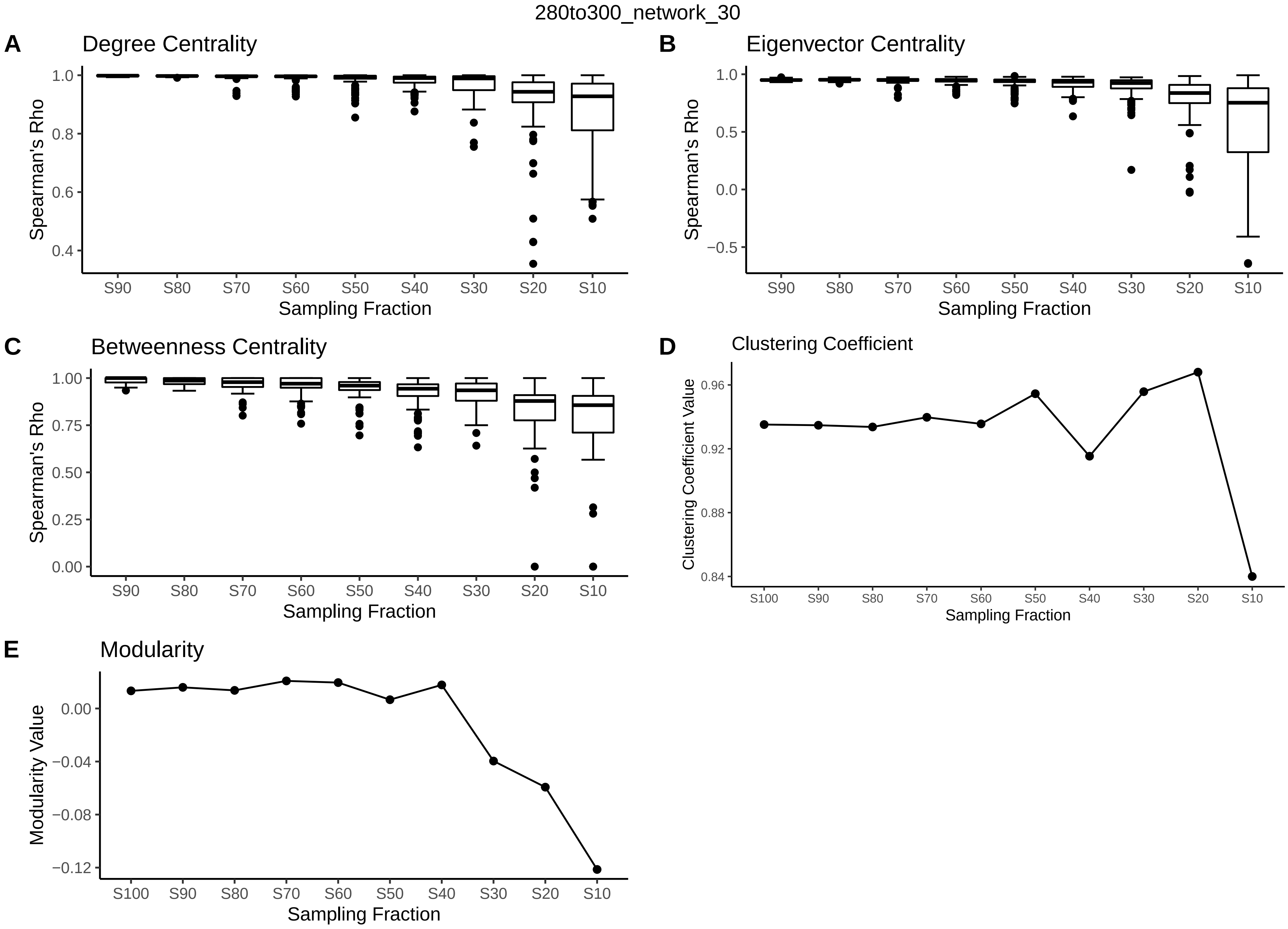
260to280_network_29



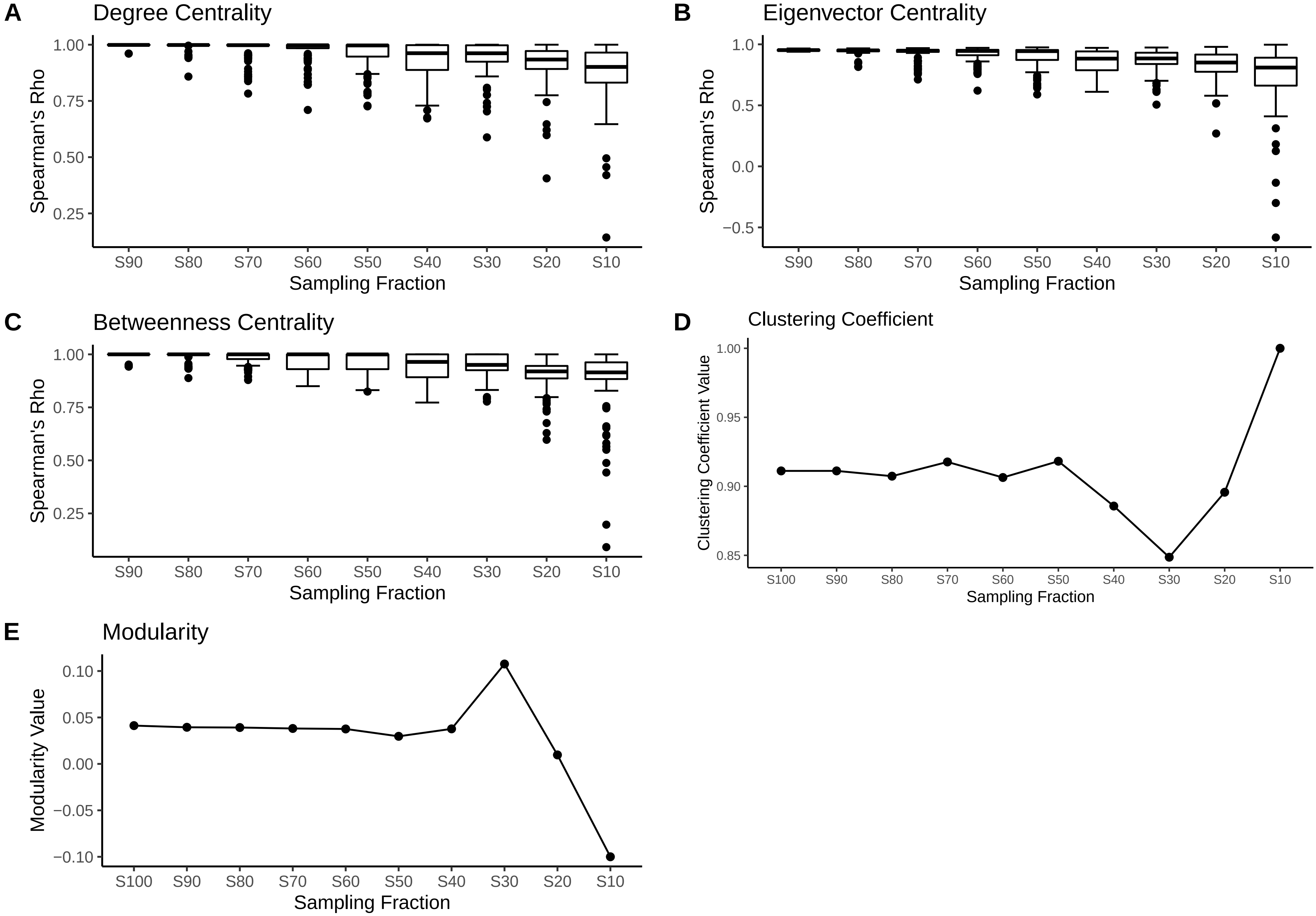
280to300_network_1

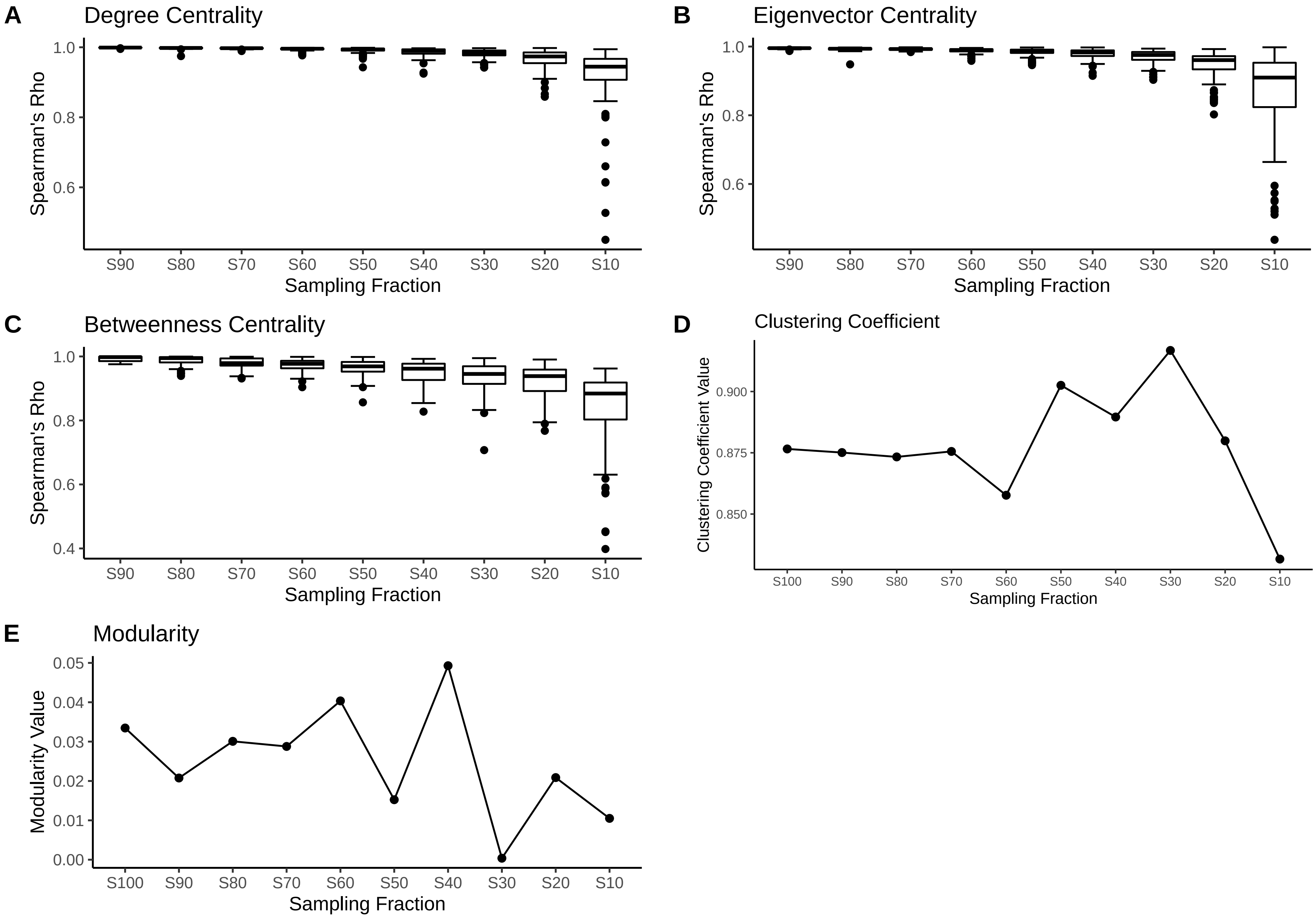



280to300_network_15
A
Degree Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
0.6
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.5
0.0
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.90
0.88
0.86
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.016
0.012
0.008
0.004
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction


280to300_network_30
A
Degree Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.5
0.0
−0.5
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.00
0.75
0.50
0.25
0.00
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.96
0.92
0.88
0.84
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.00
−0.04
−0.08
−0.12
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

300to320_network_1





300to320_network_16

A Degree Centrality

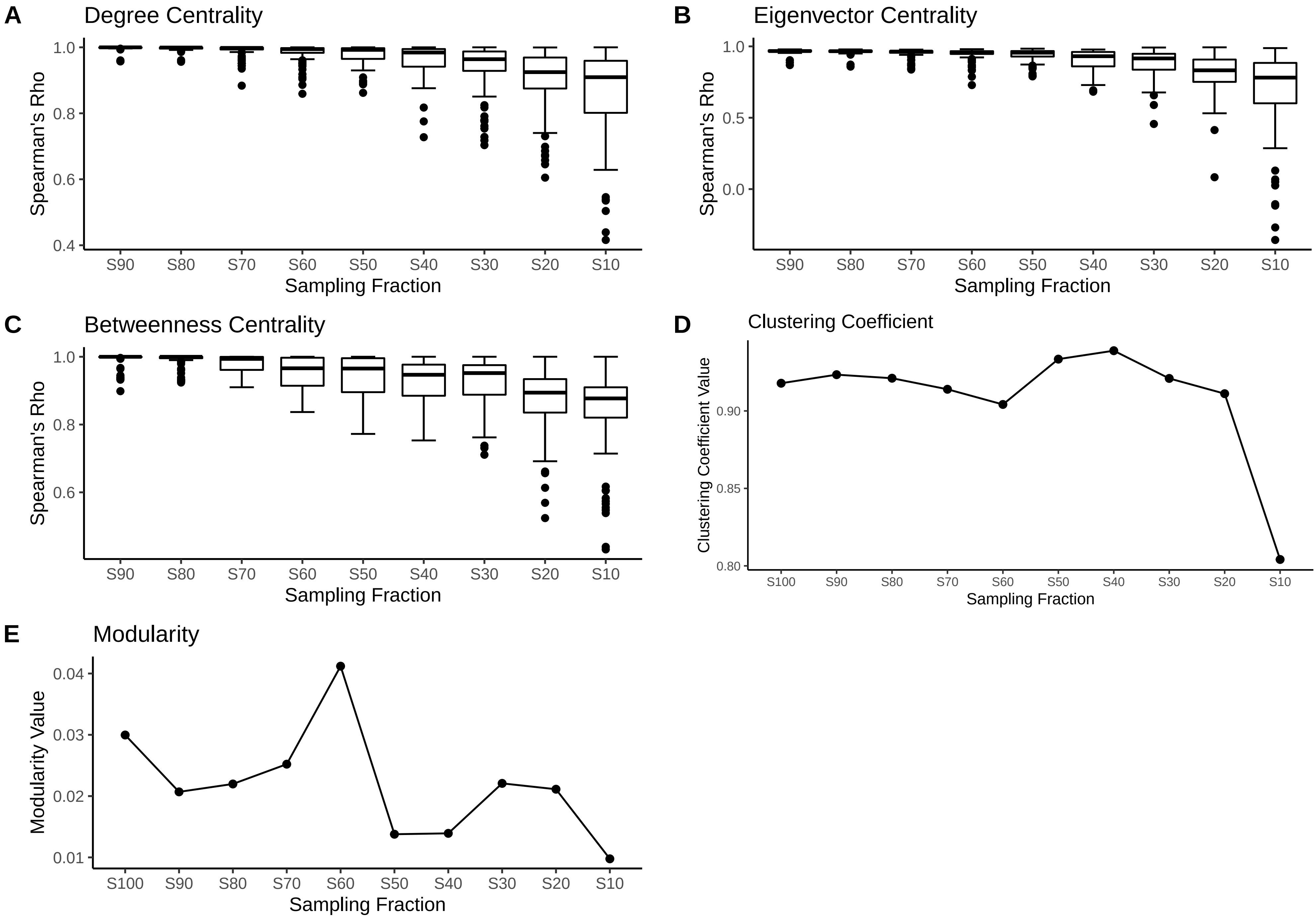
B Eigenvector Centrality

C Betweenness Centrality

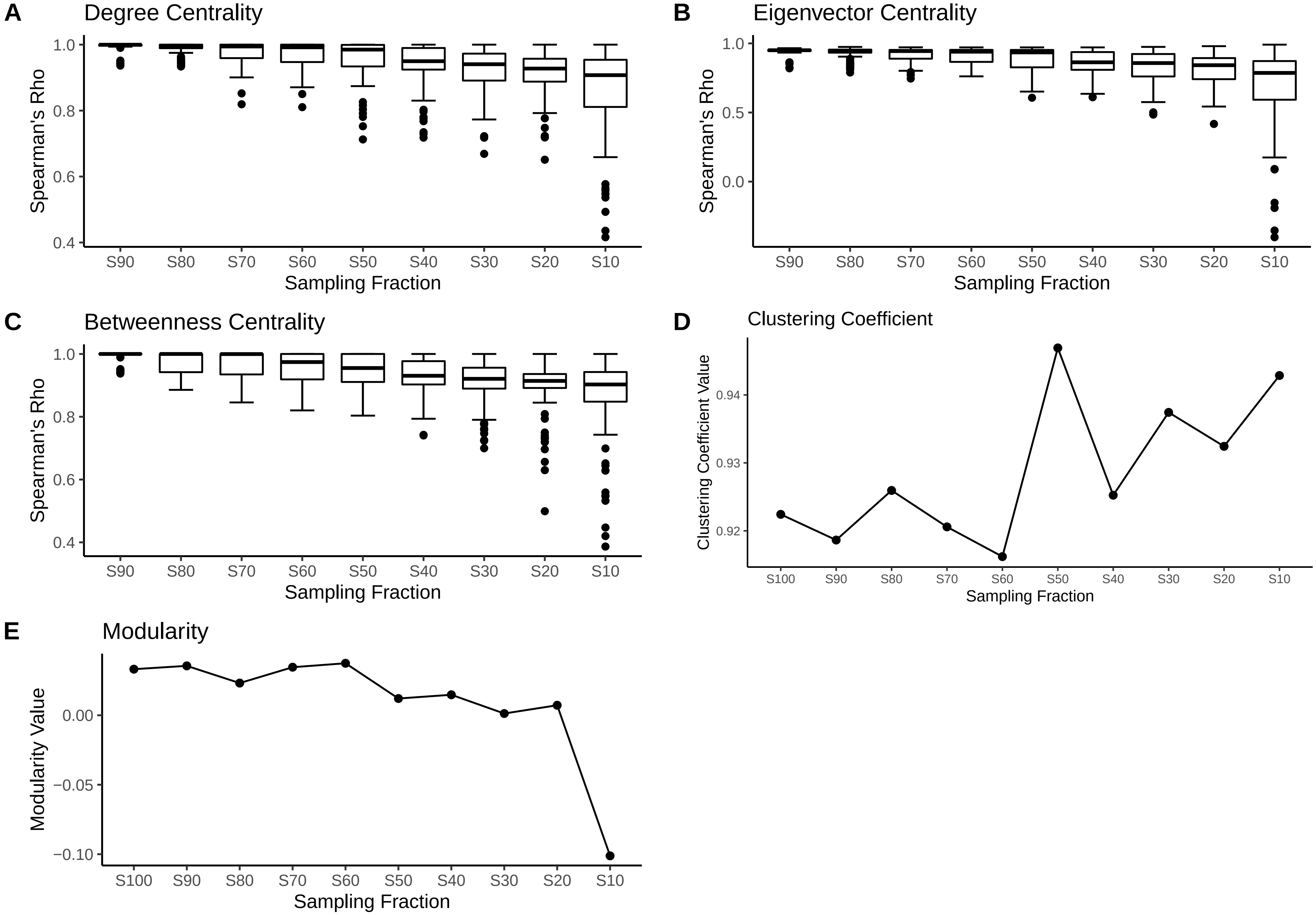
D Clustering Coefficient

E Modularity

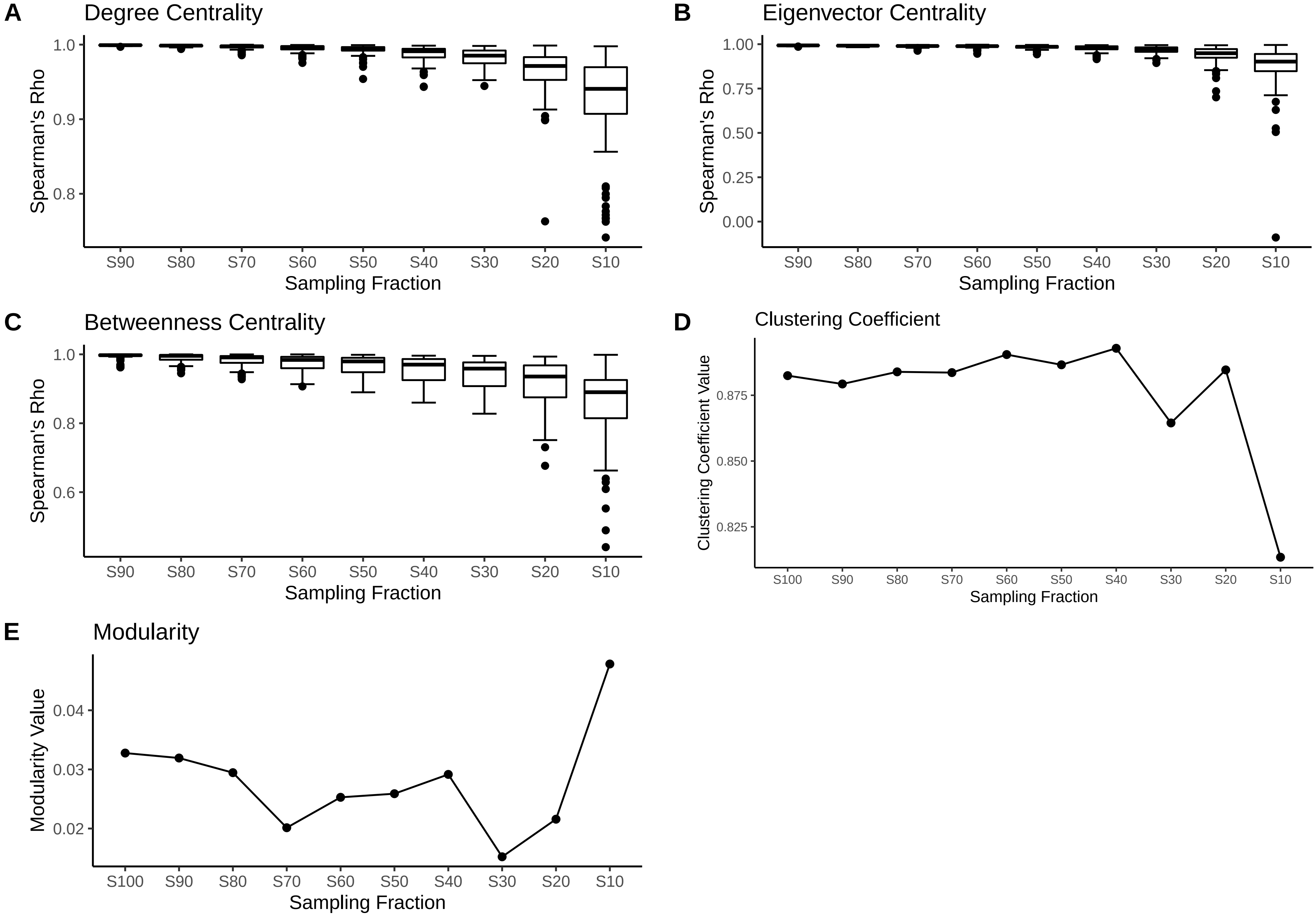
300to320_network_31



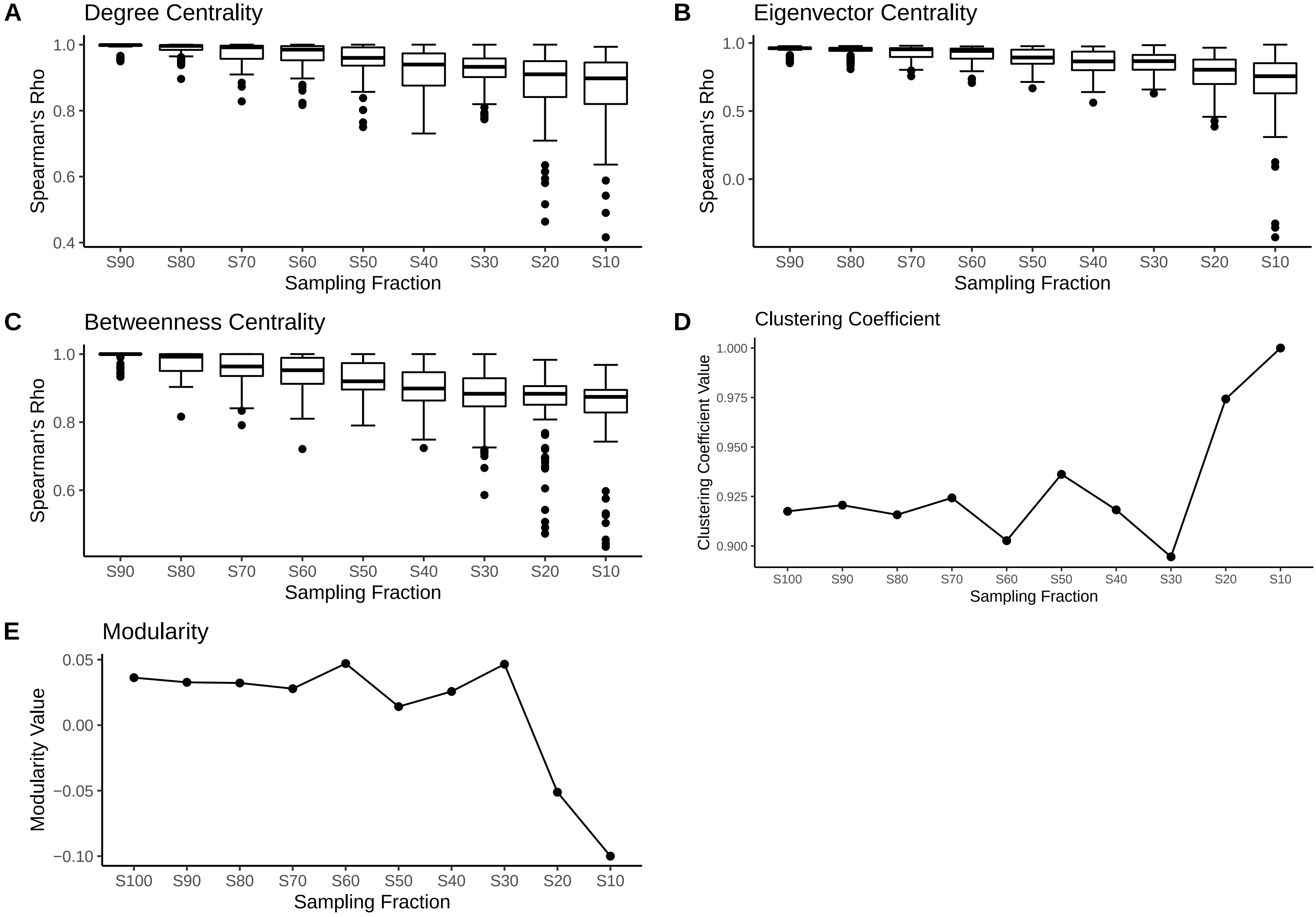
320to340_network_1

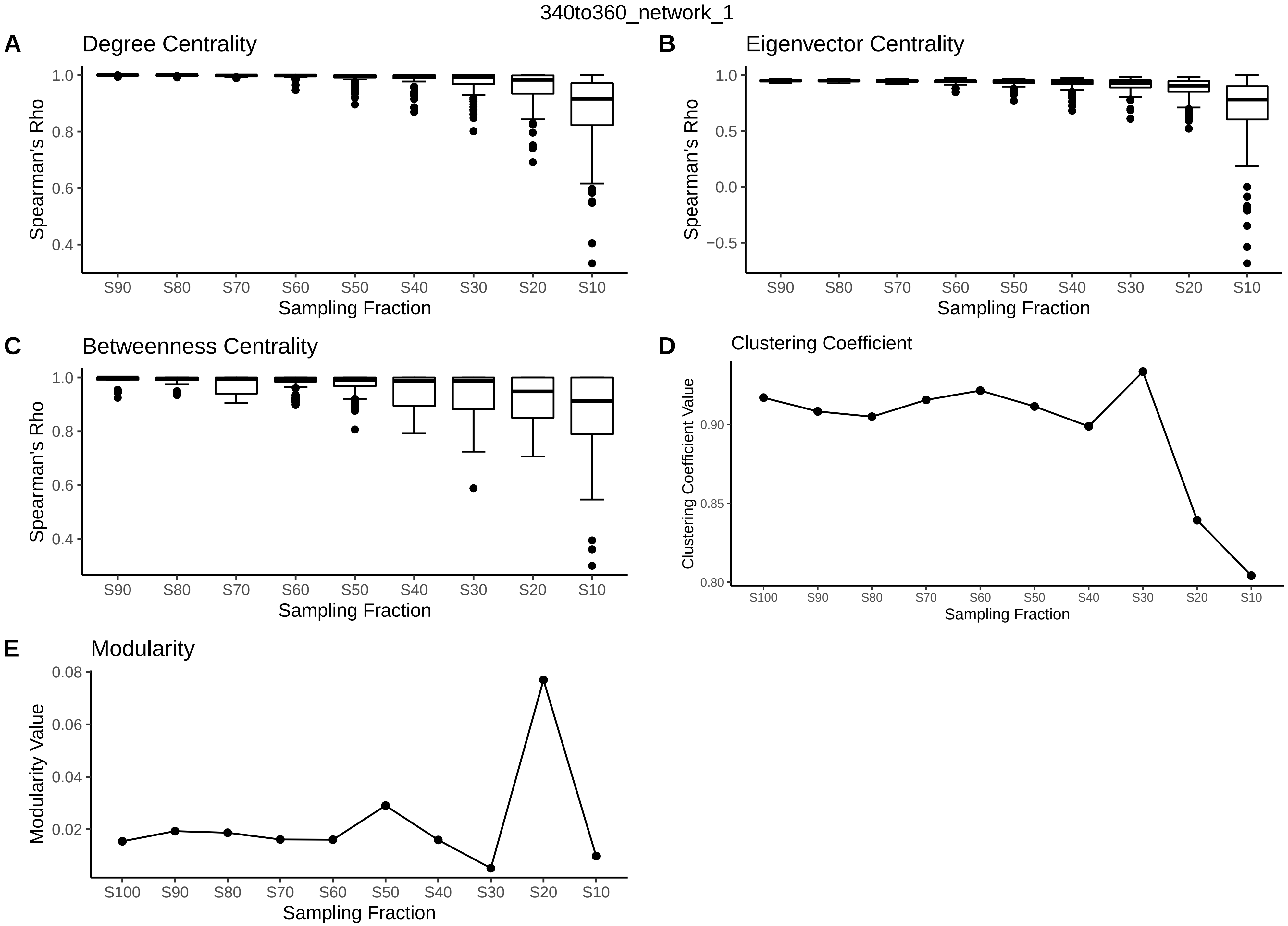


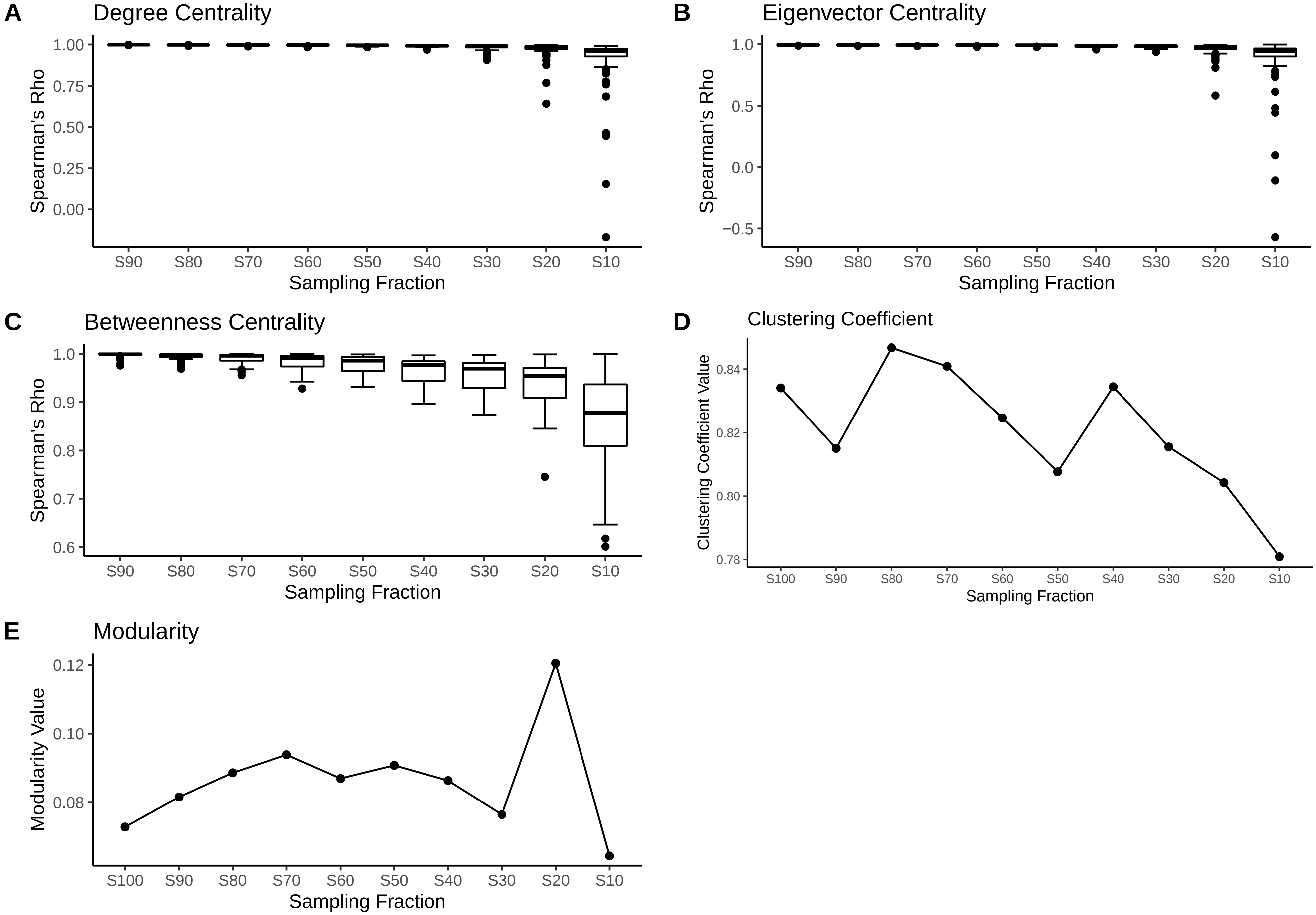
320to340_network_16



320to340_network_32




340to360_network_1
A
Degree Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.5
0.0
−0.5
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.90
0.85
0.80
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.08
0.06
0.04
0.02
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction



340to360_network_17

A Degree Centrality

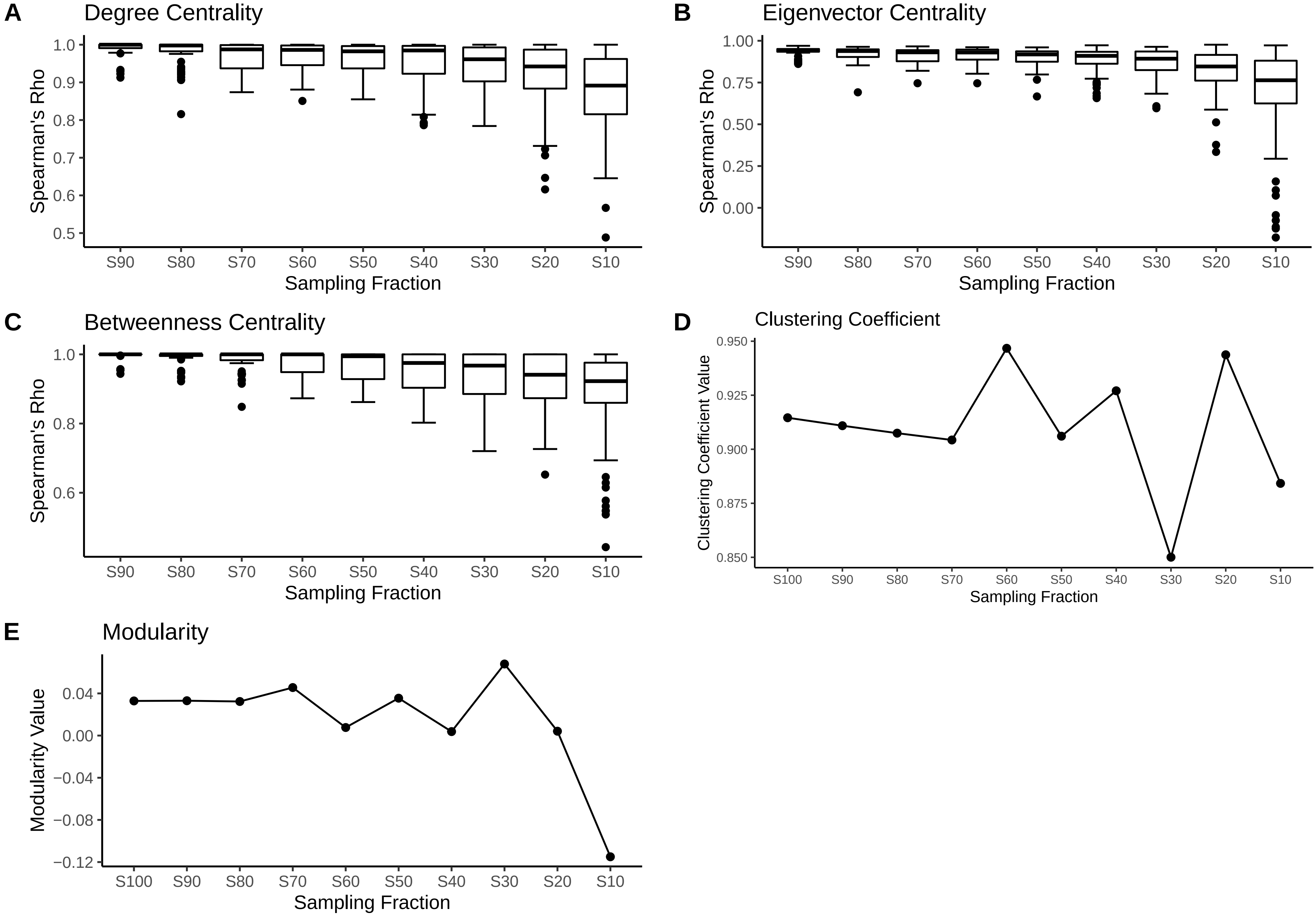
B Eigenvector Centrality

C Betweenness Centrality

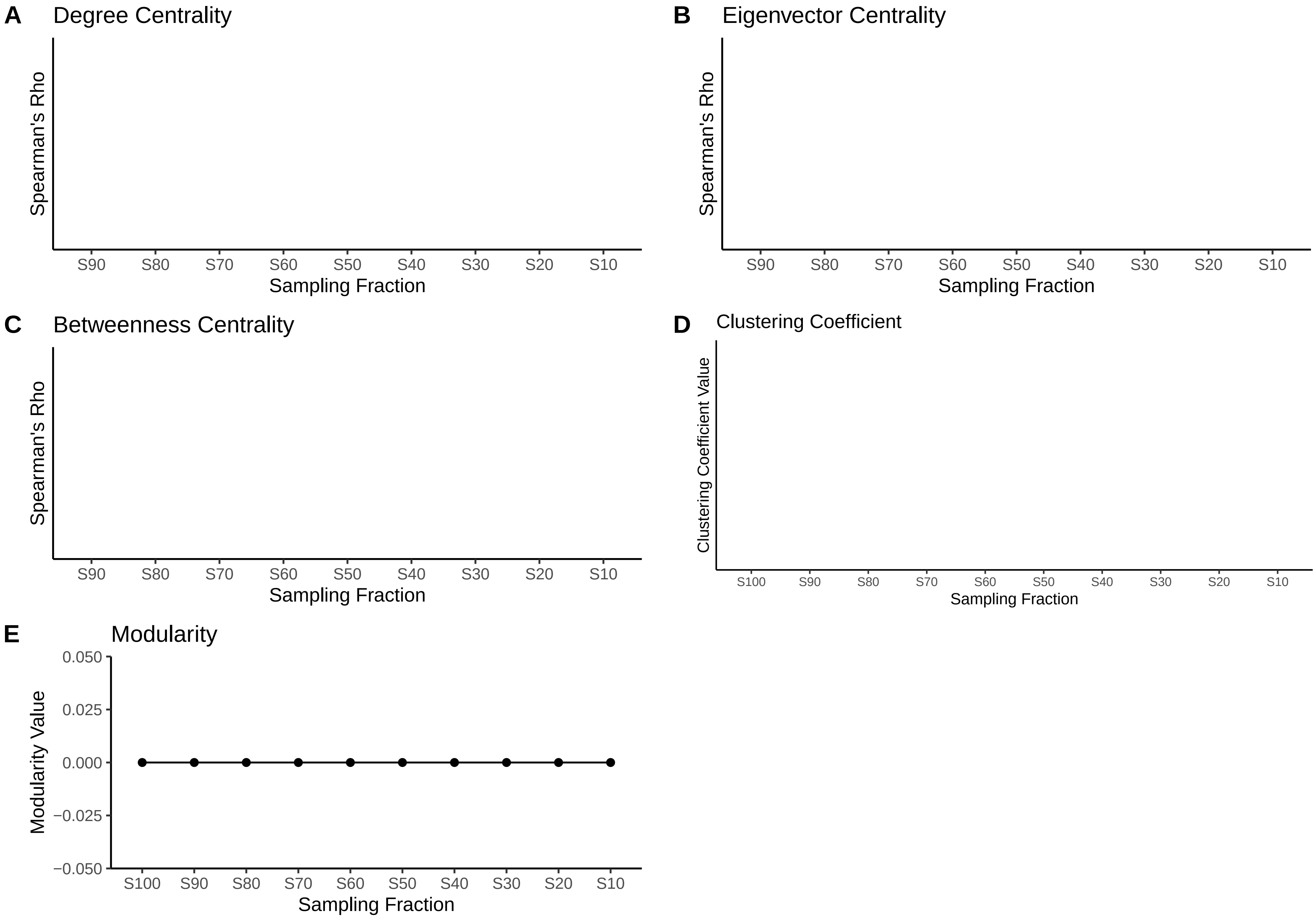
D Clustering Coefficient

E Modularity

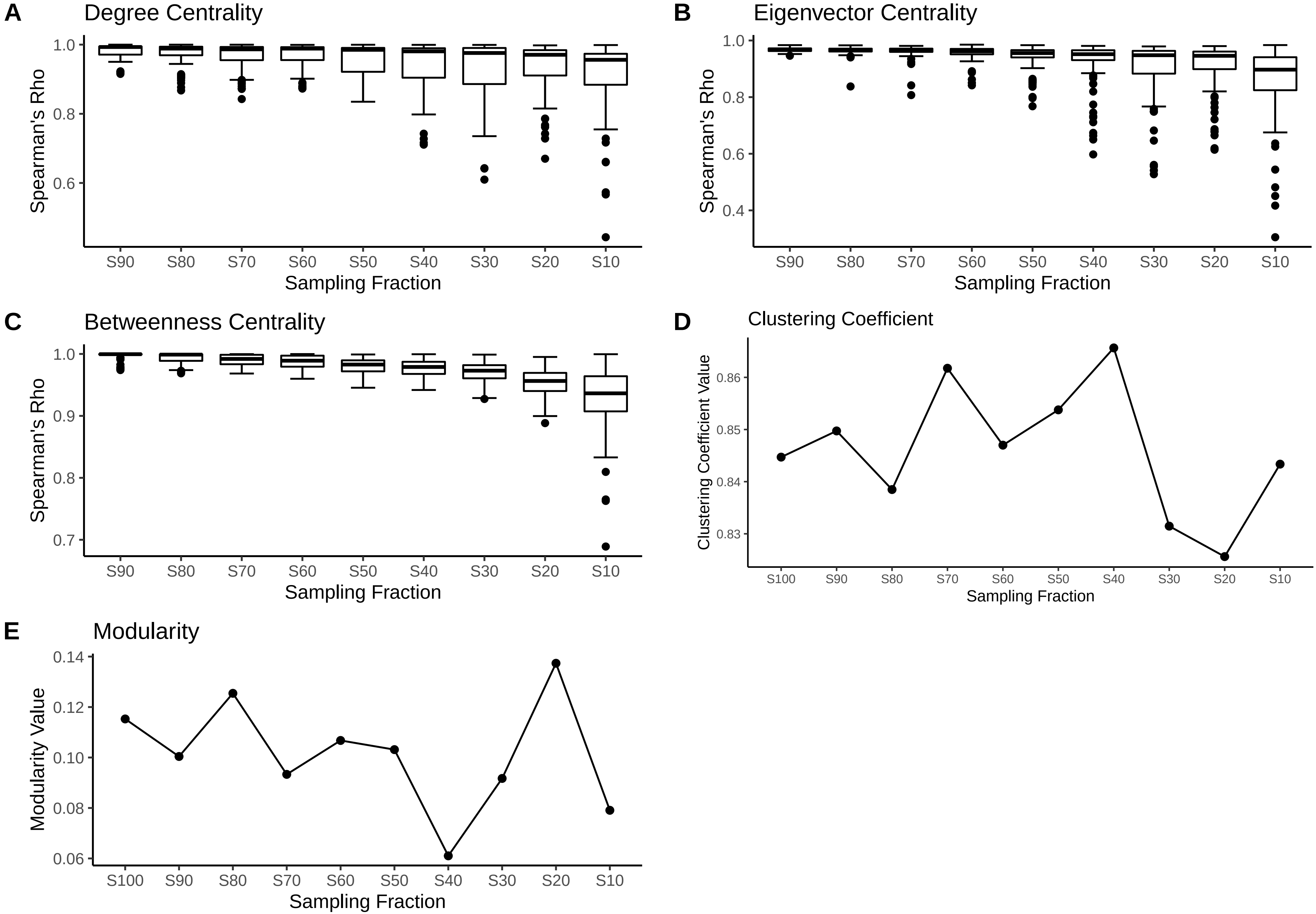
340to360_network_33



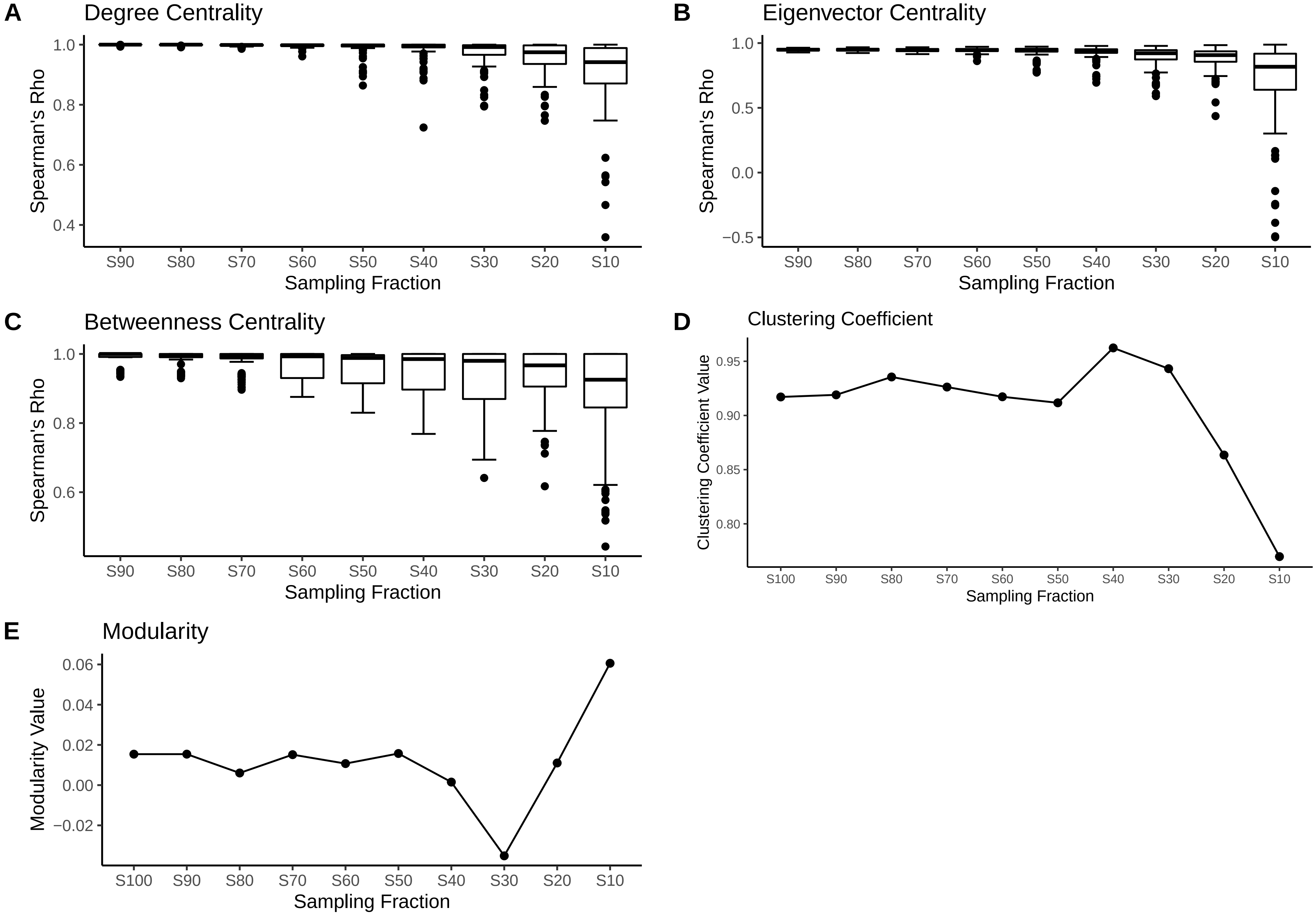
360to380_network_1



360to380_network_17



360to380_network_34

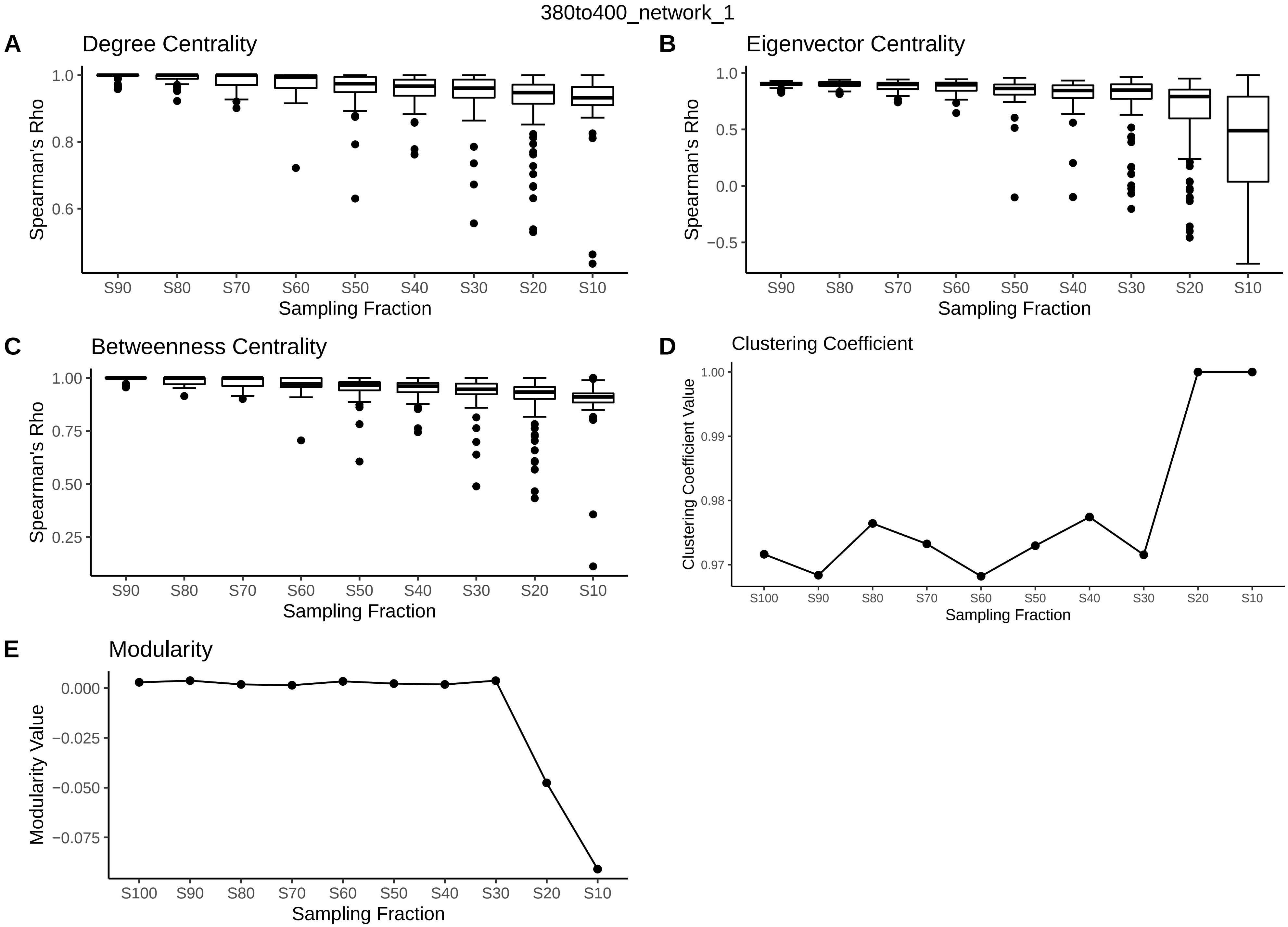

Degree Centrality

Eigenvector Centrality

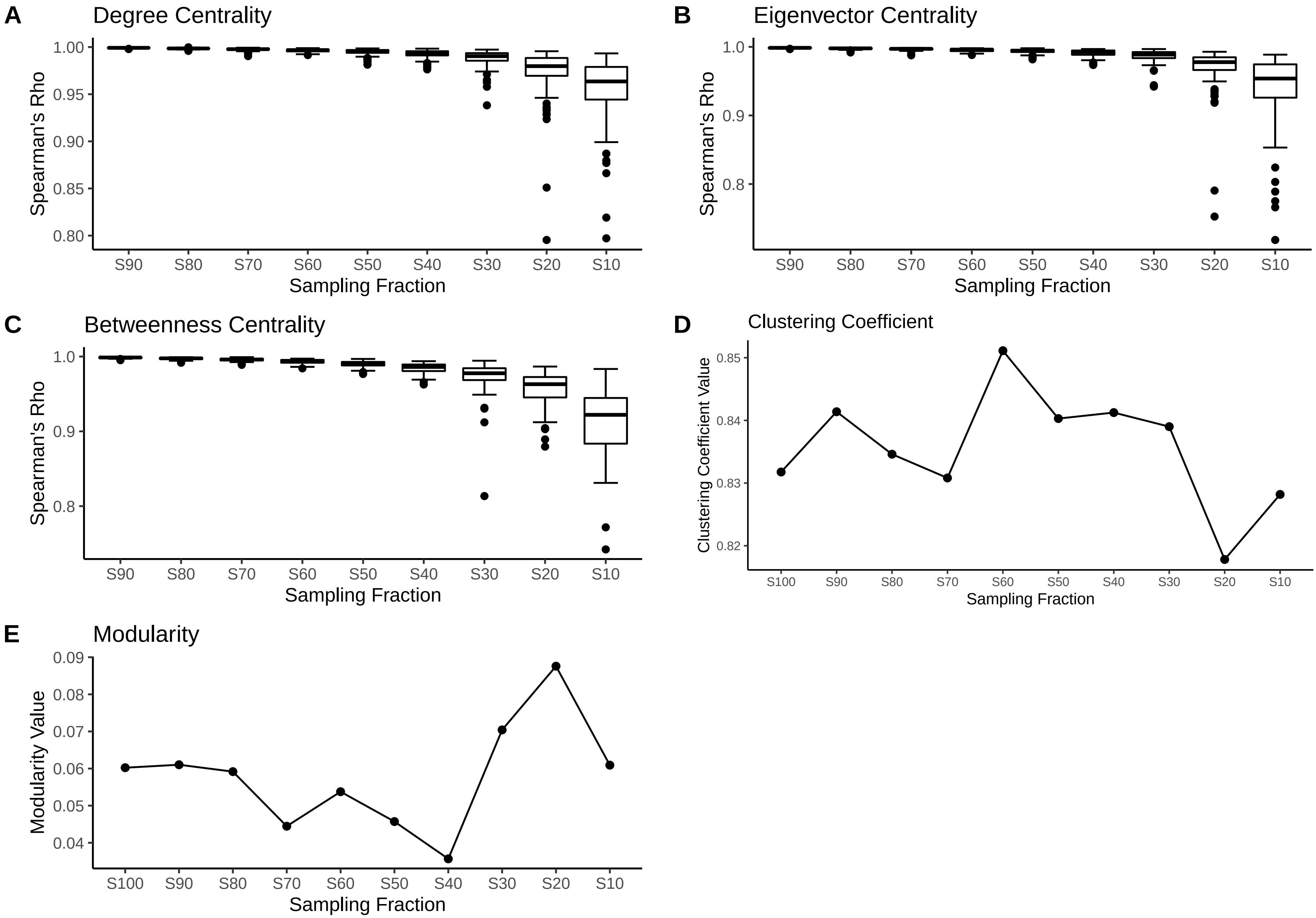
Betweenness Centrality

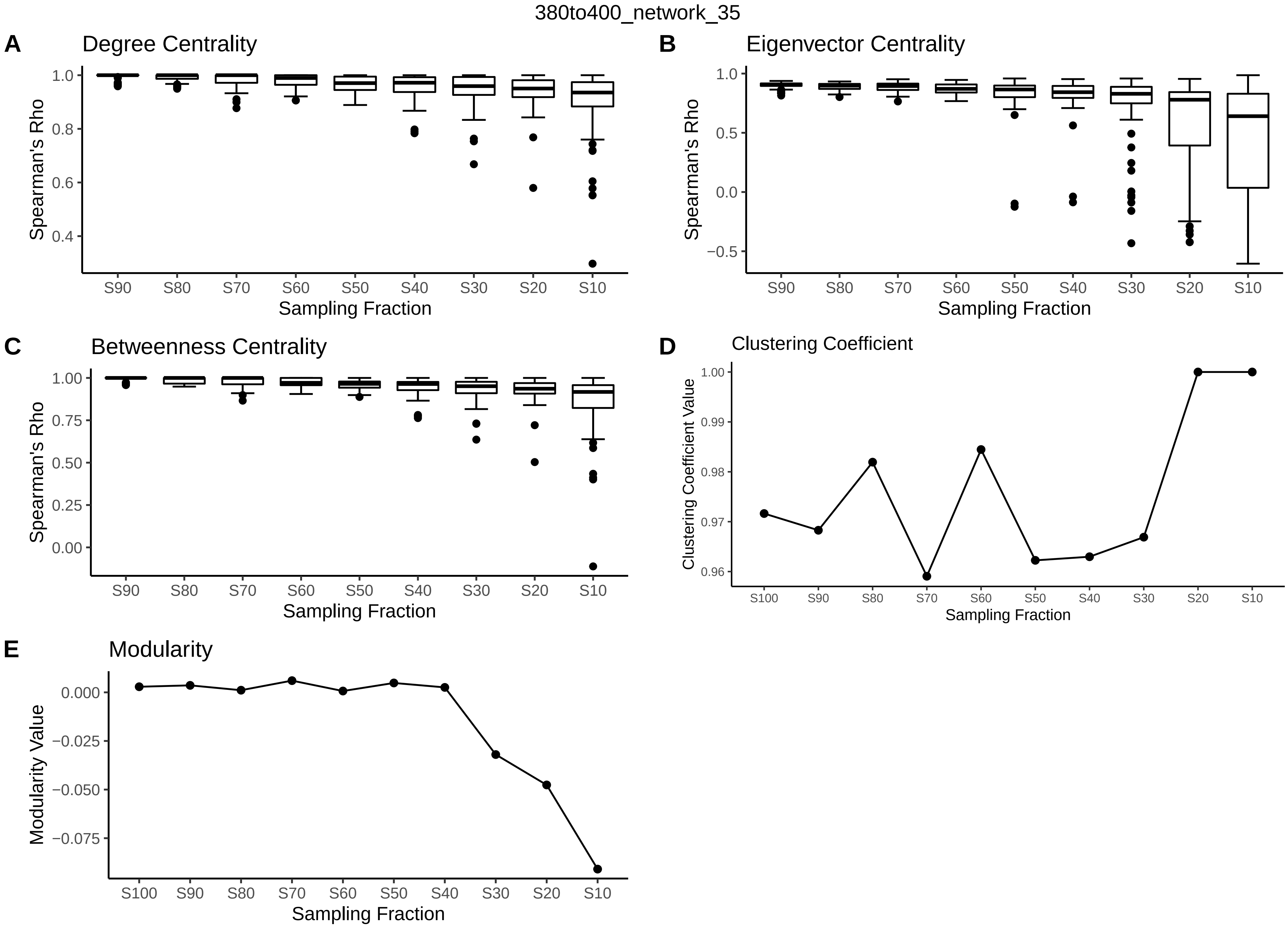
Clustering Coefficient

Modularity

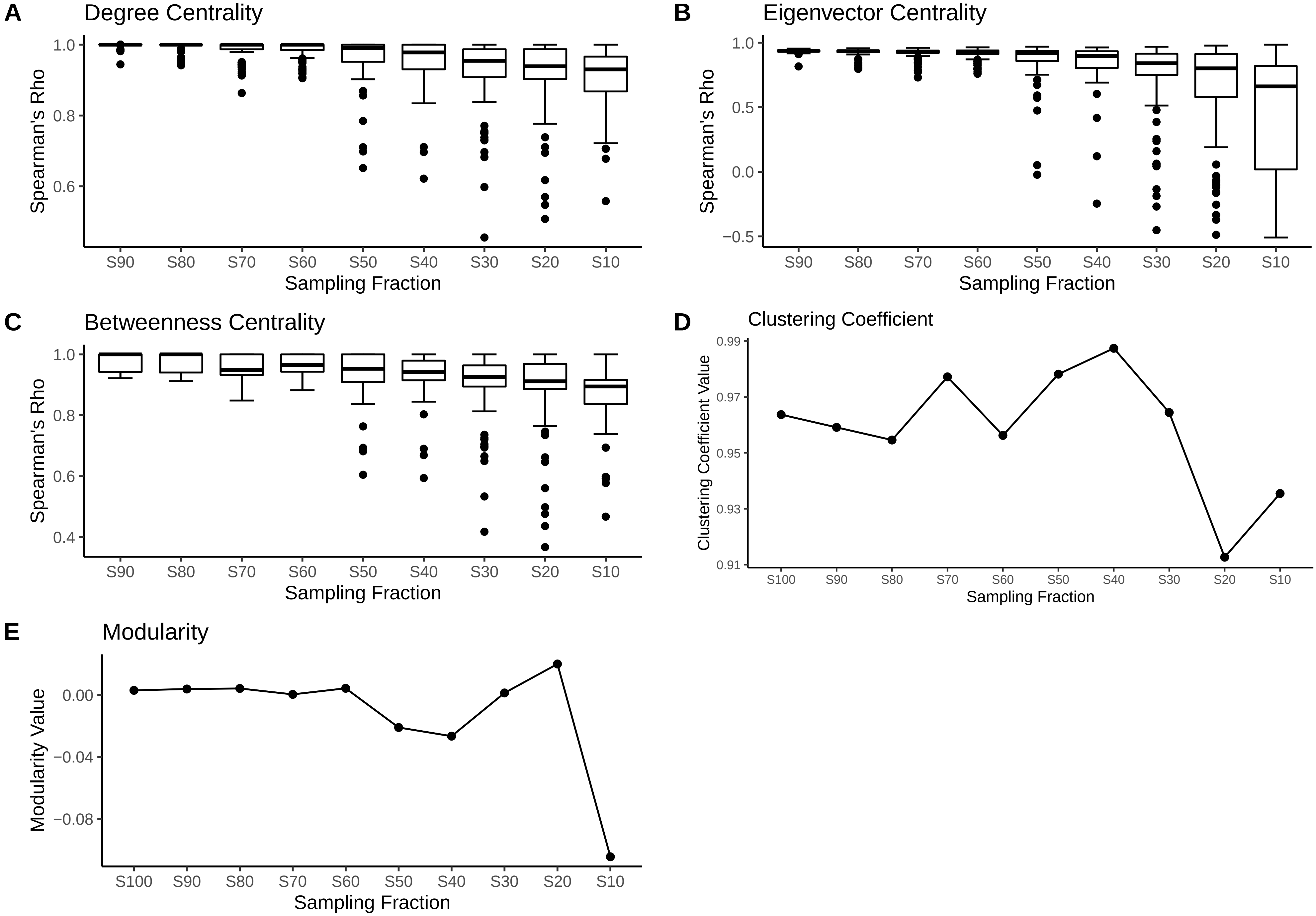

380to400_network_1
A
Degree Centrality
Spearman's Rho
1.0
0.8
0.6
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.5
0.0
−0.5
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.00
0.75
0.50
0.25
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
1.00
0.99
0.98
0.97
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.000
−0.025
−0.050
−0.075
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

380to400_network_3

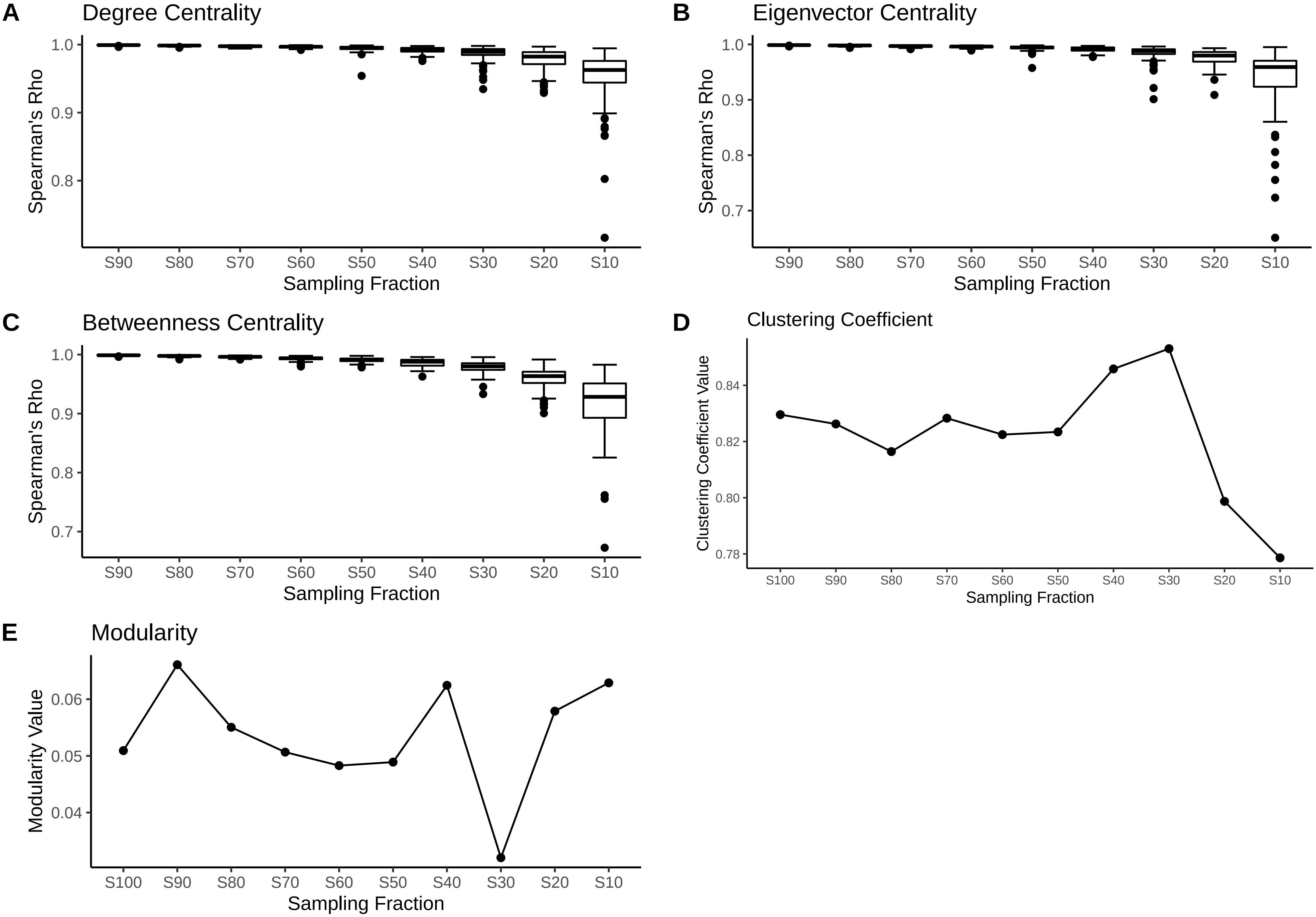


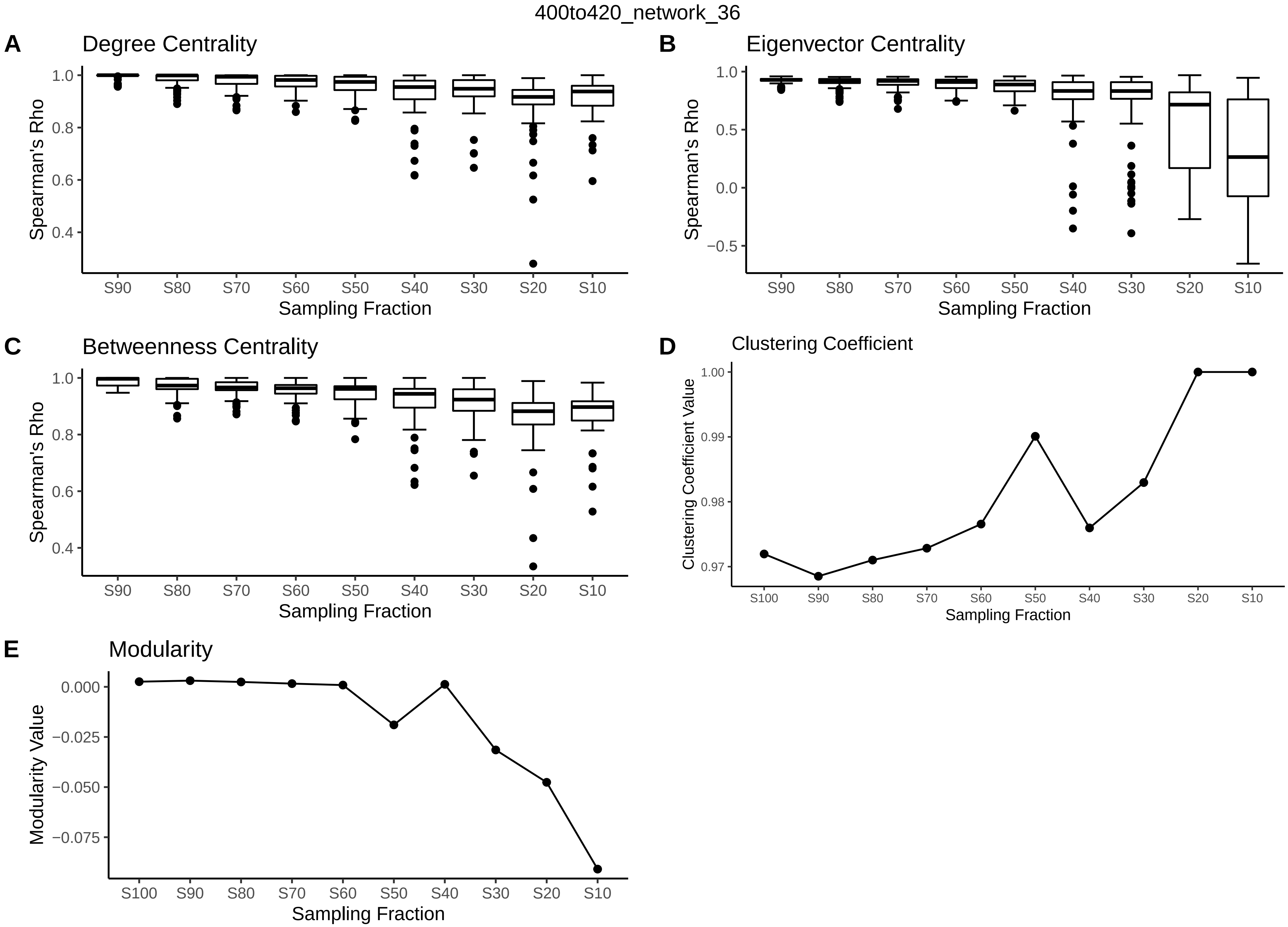

380to400_network_35
A
Degree Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.5
0.0
−0.5
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.00
0.75
0.50
0.25
0.00
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
1.00
0.99
0.98
0.97
0.96
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.000
−0.025
−0.050
−0.075
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

400to420_network_1

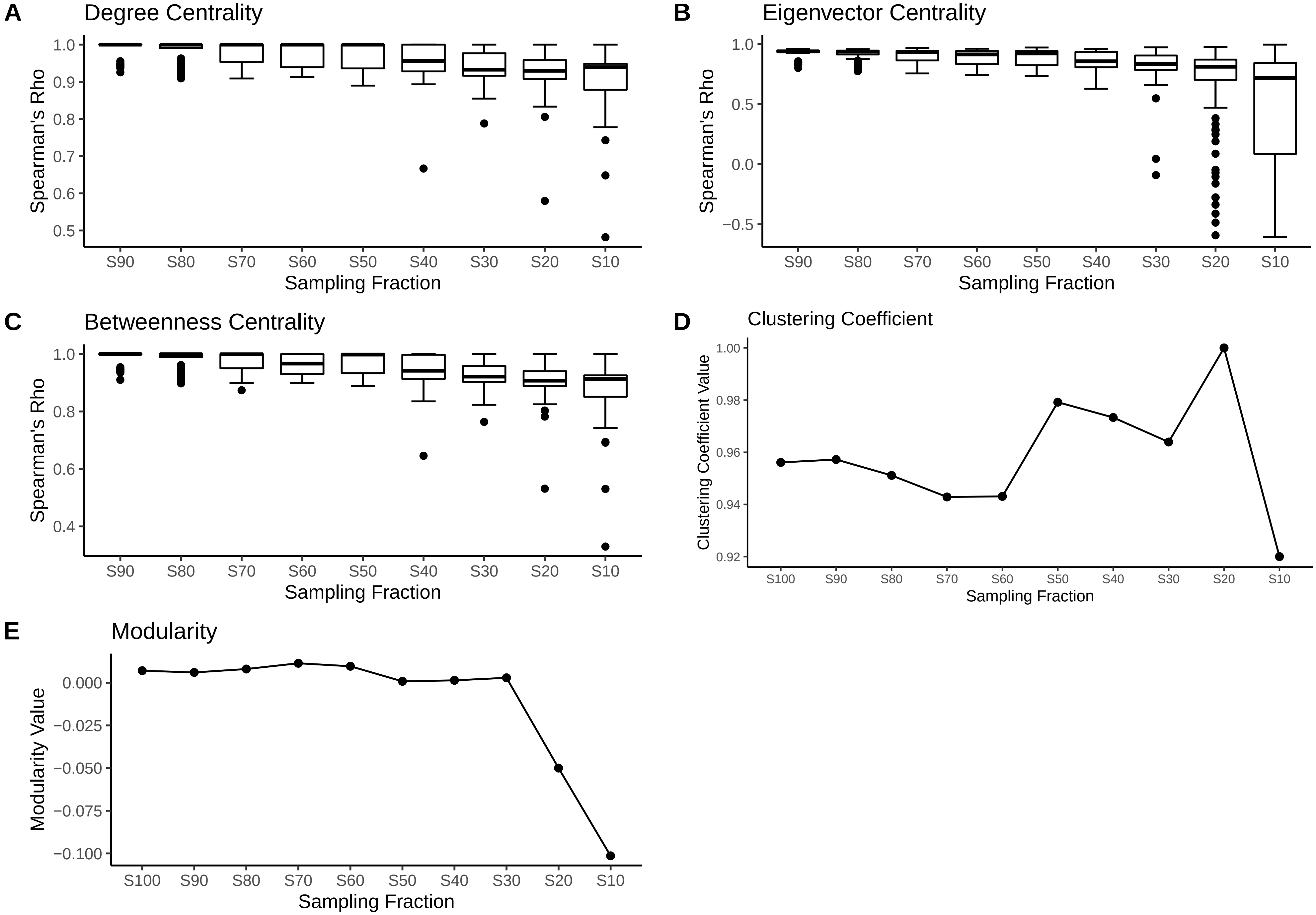


400to420_network_4

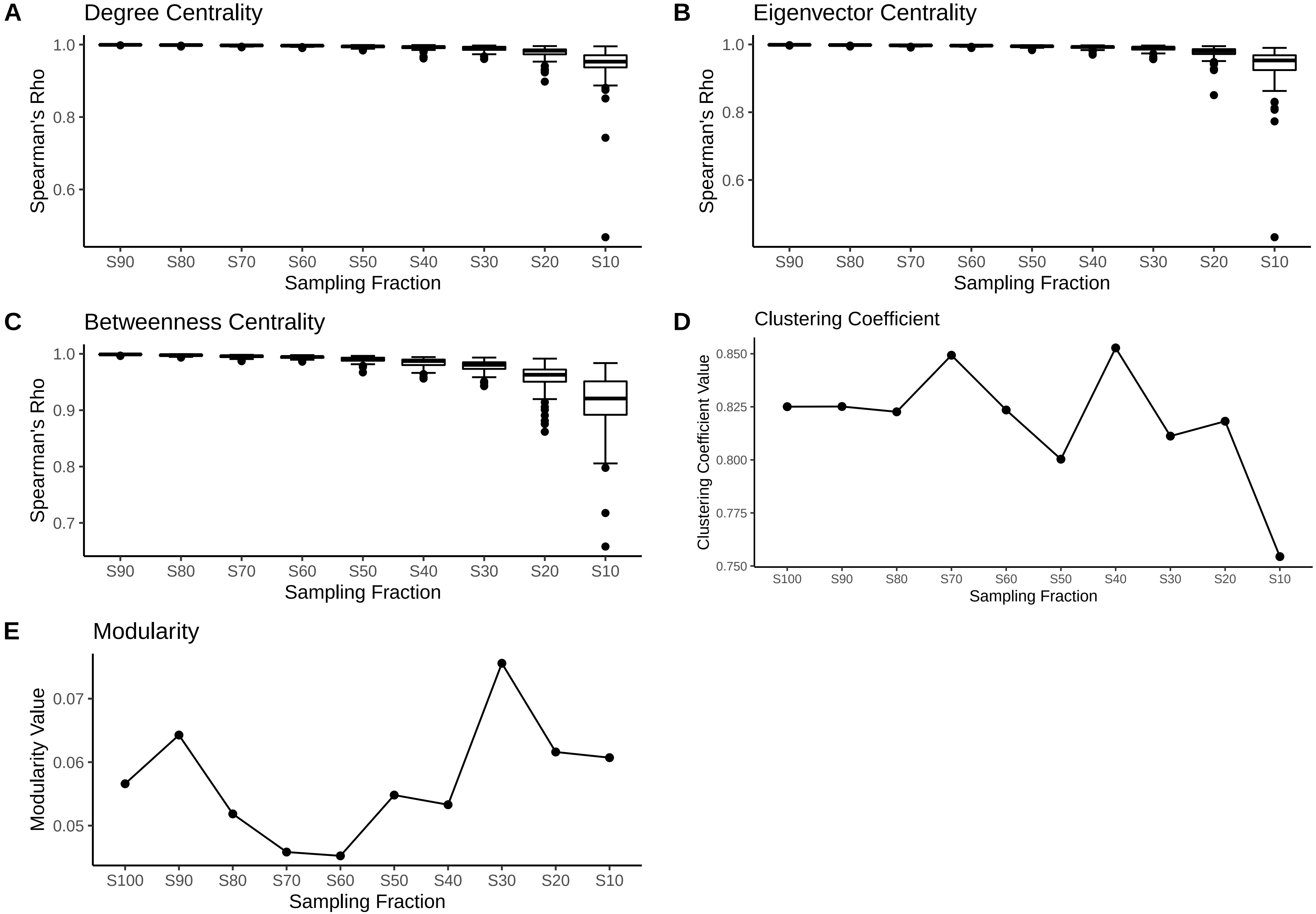


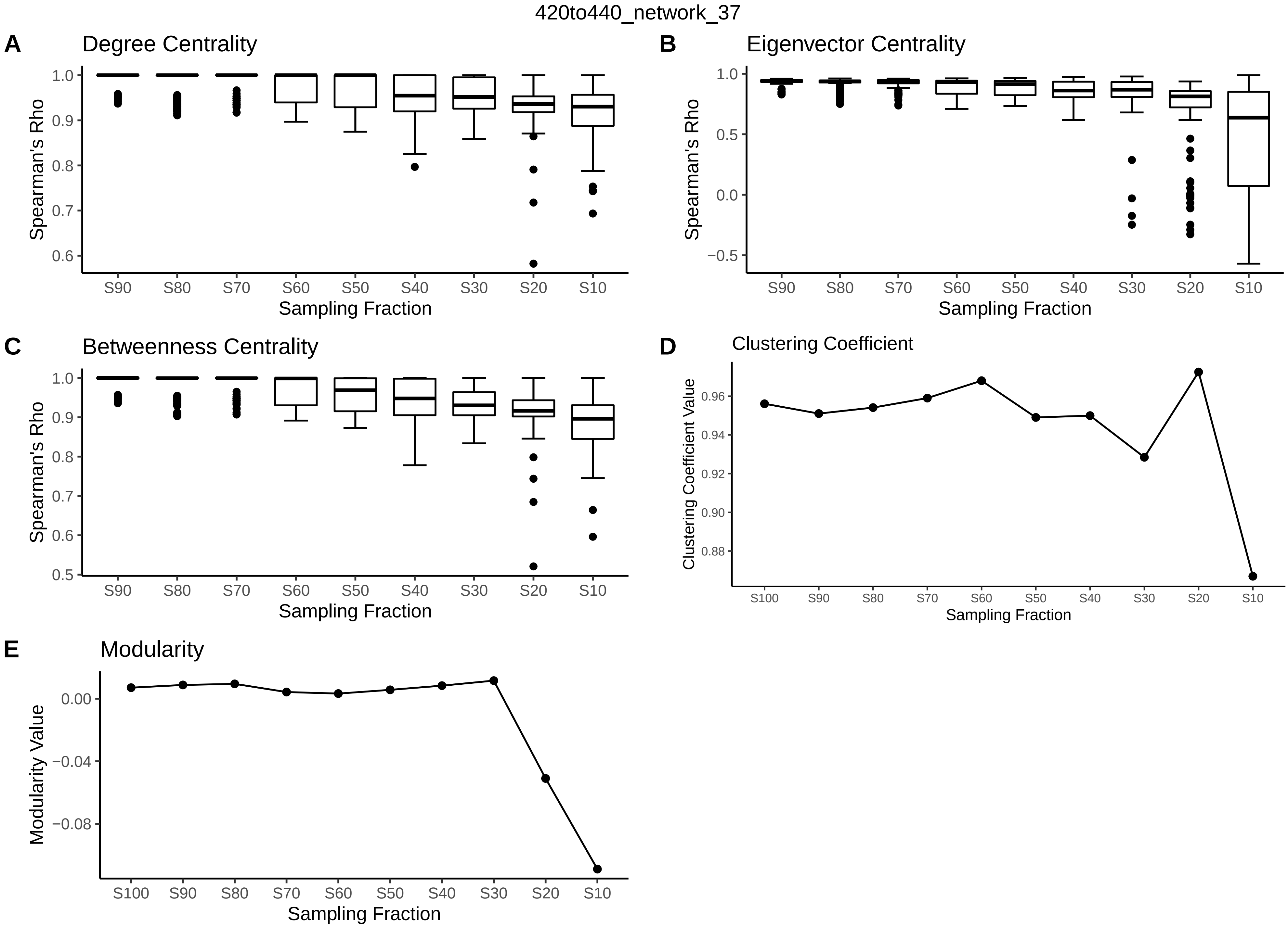

400to420_network_36
A
Degree Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.5
0.0
−0.5
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
1.00
0.99
0.98
0.97
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.000
−0.025
−0.050
−0.075
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

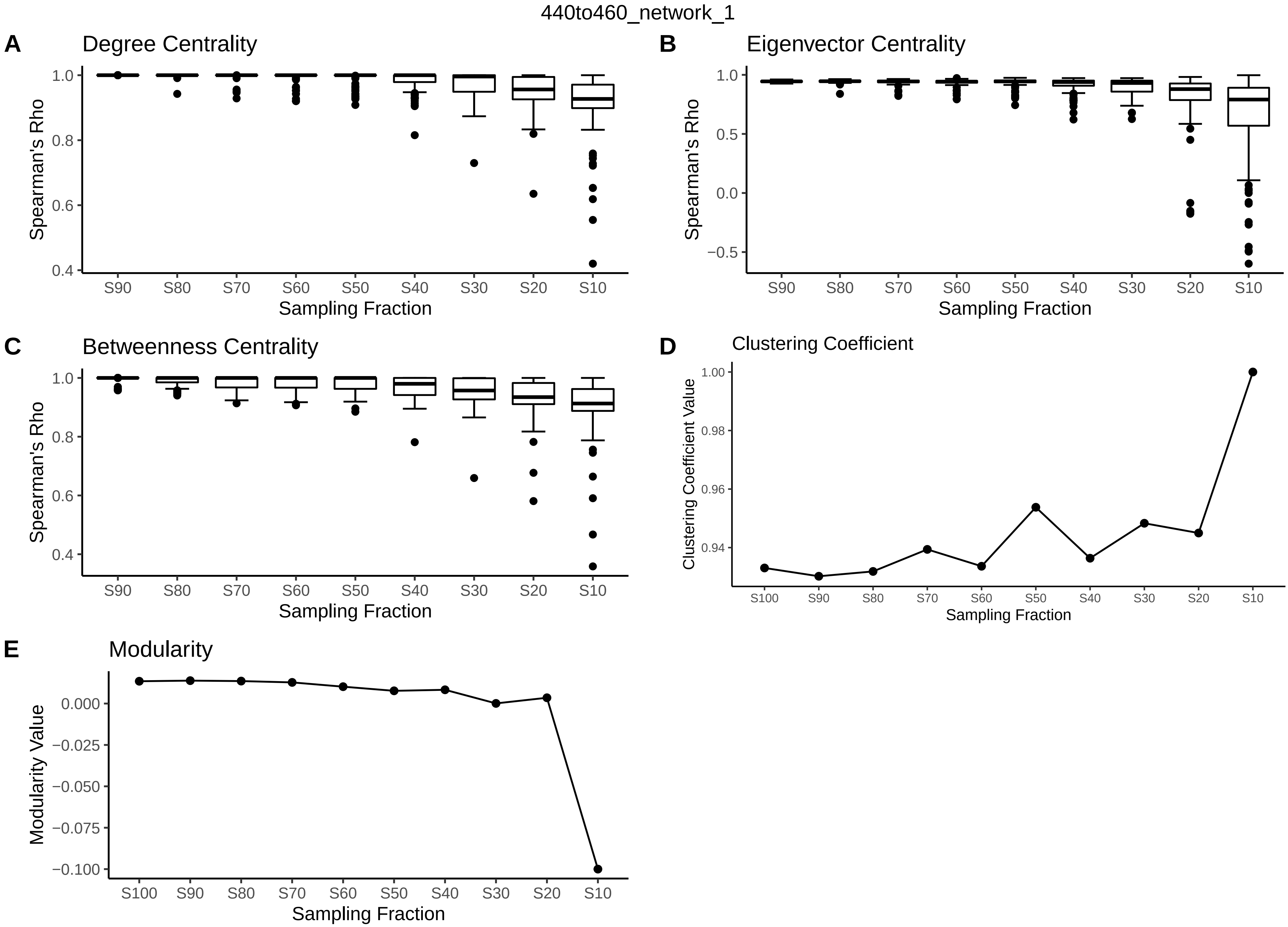
420to440_network_1



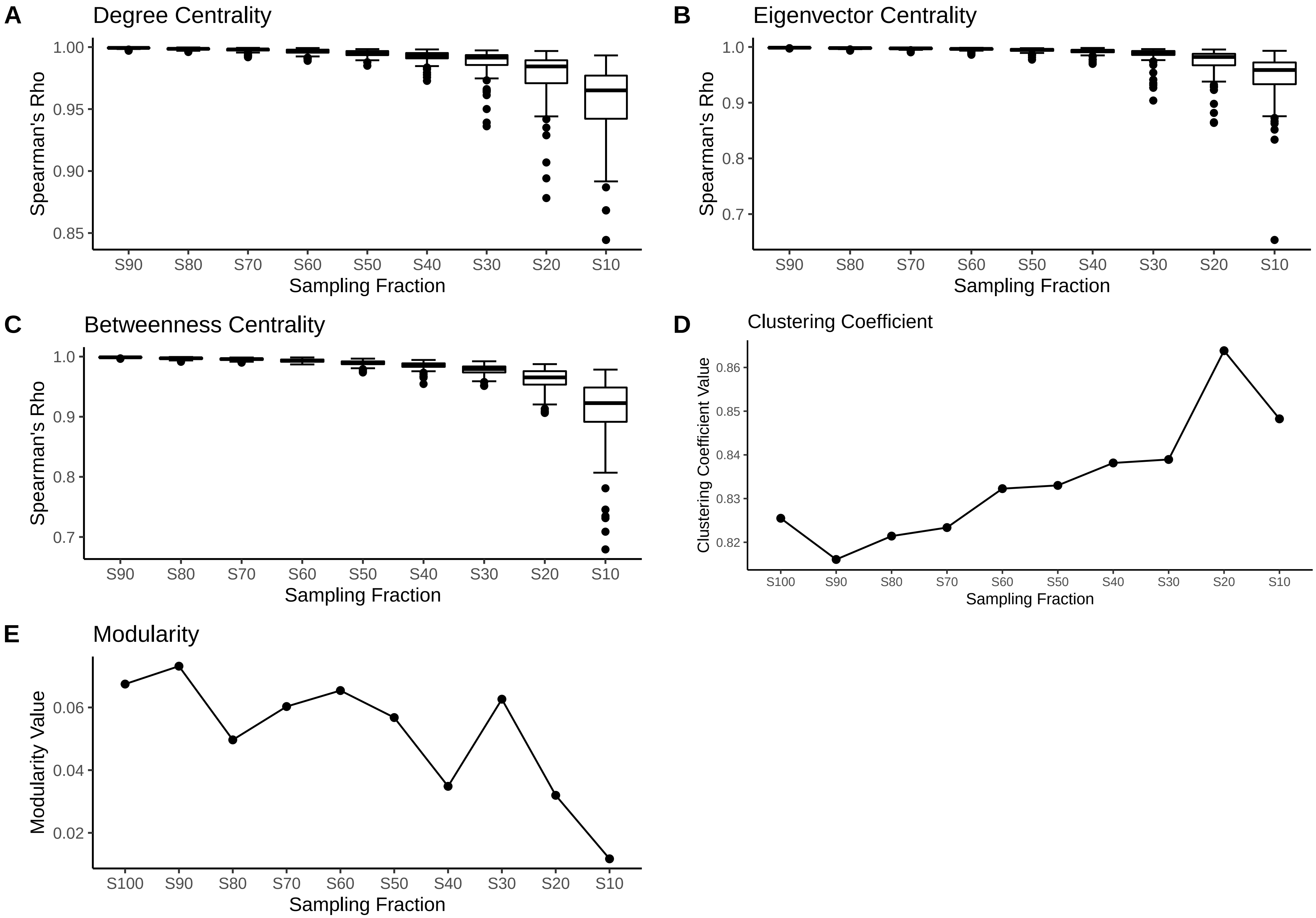
420to440_network_6

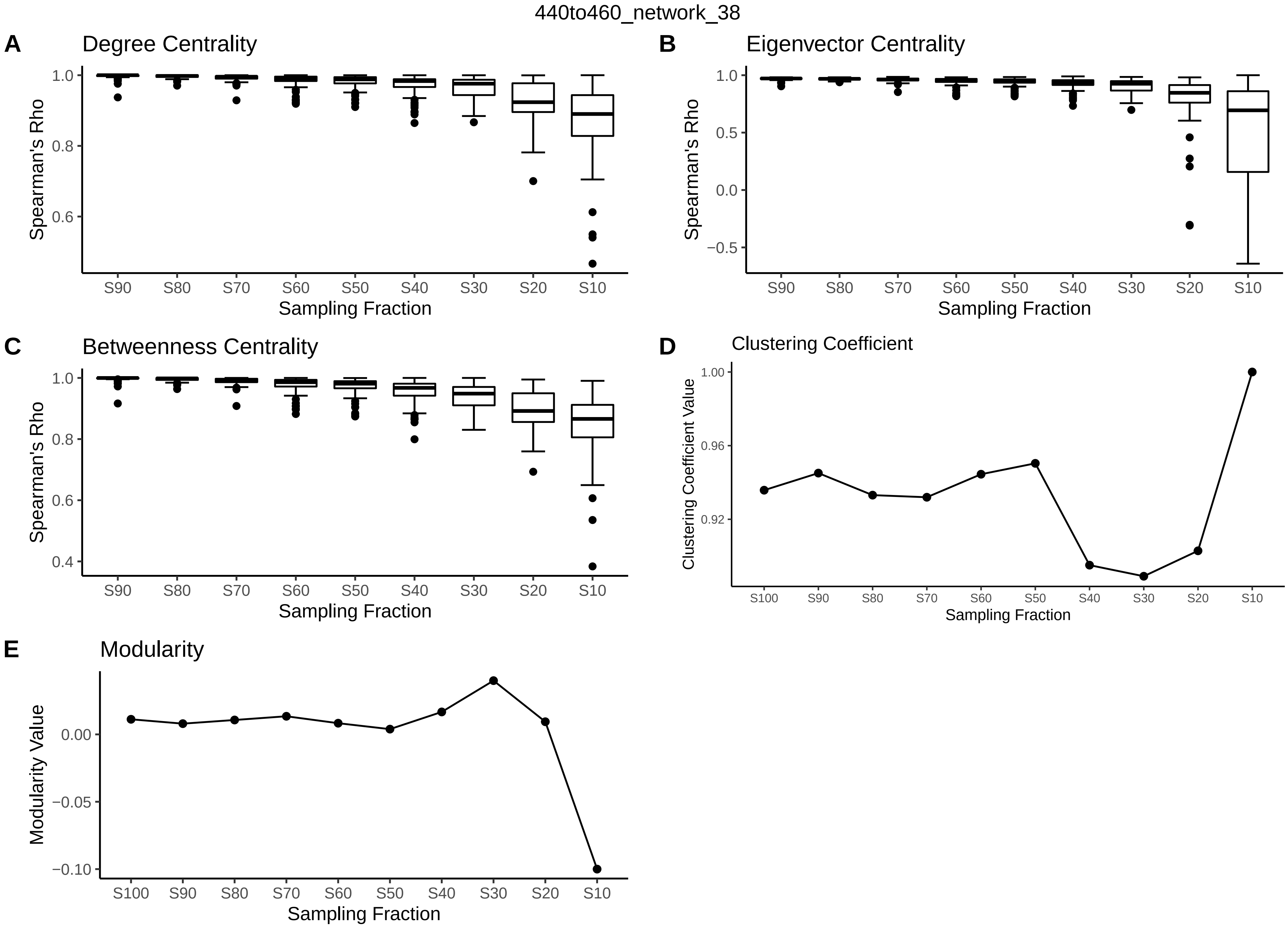


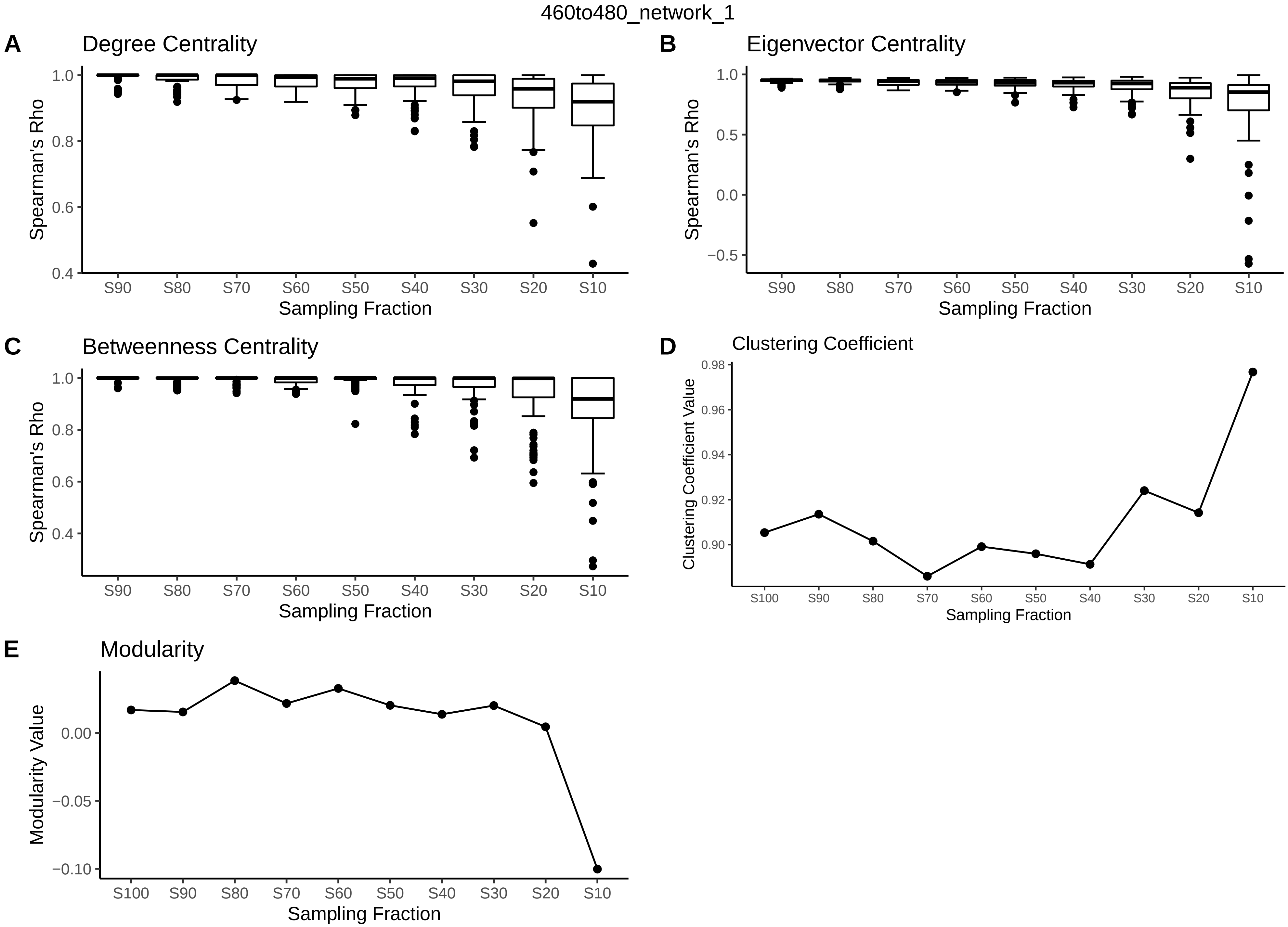

420to440_network_37
A
Degree Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
0.6
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.5
0.0
−0.5
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
0.6
0.5
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.96
0.94
0.92
0.90
0.88
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.00
−0.04
−0.08
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

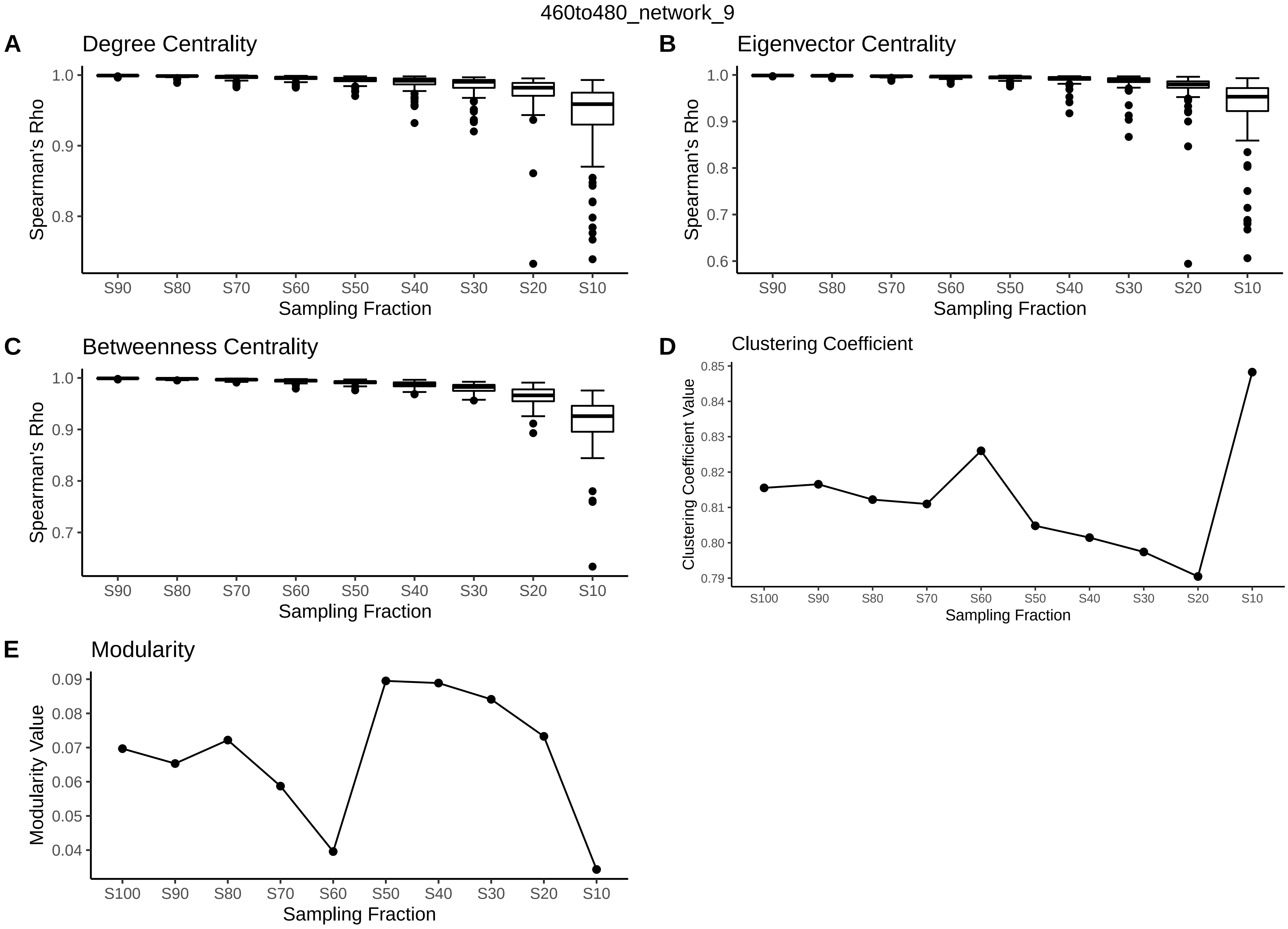

440to460_network_1
A
Degree Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.5
0.0
−0.5
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
1.00
0.98
0.96
0.94
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.000
−0.025
−0.050
−0.075
−0.100
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

440to460_network_7

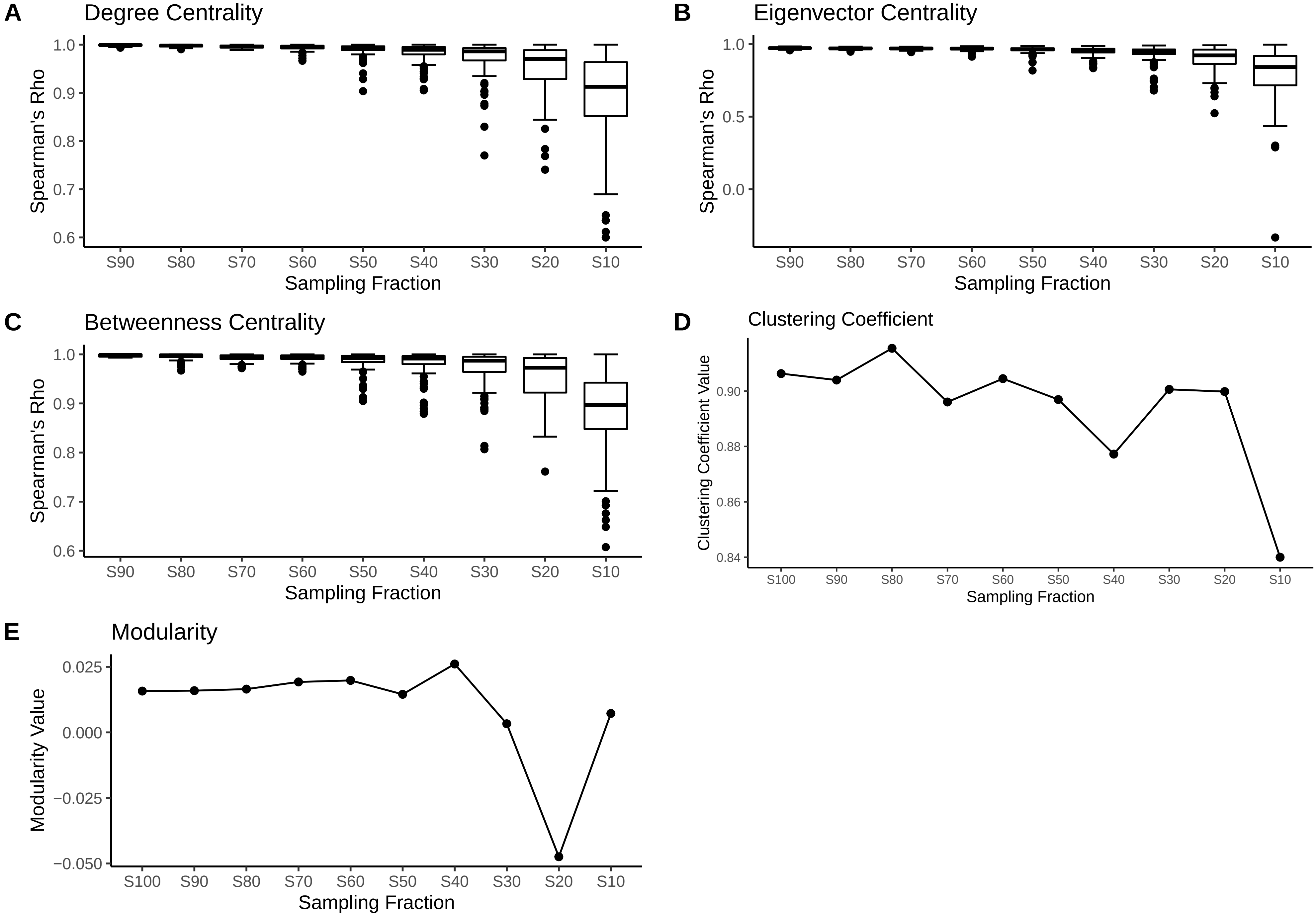


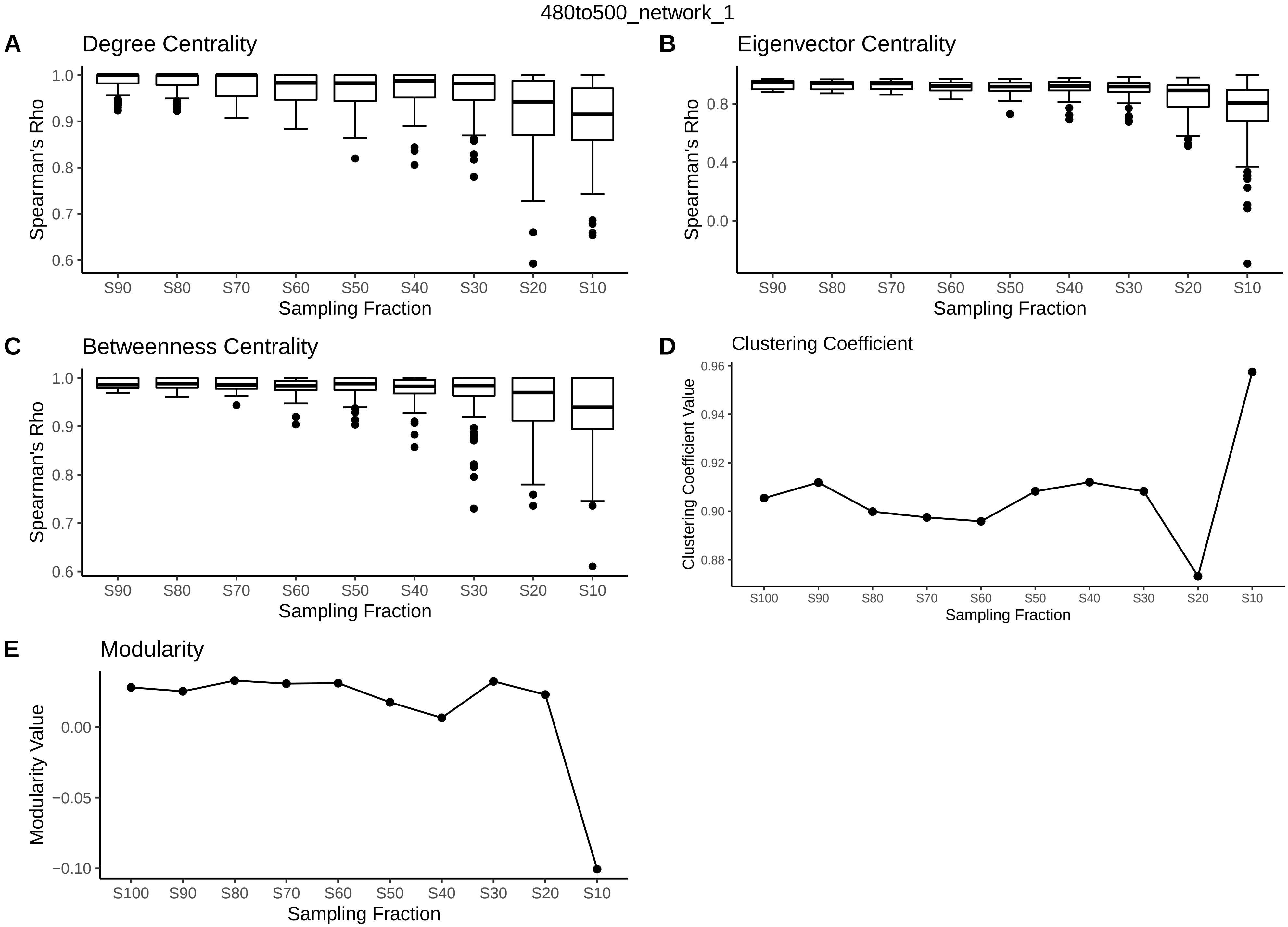

440to460_network_38
A
Degree Centrality
Spearman's Rho
1.0
0.8
0.6
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.5
0.0
−0.5
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
1.00
0.96
0.92
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.00
−0.05
−0.10
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

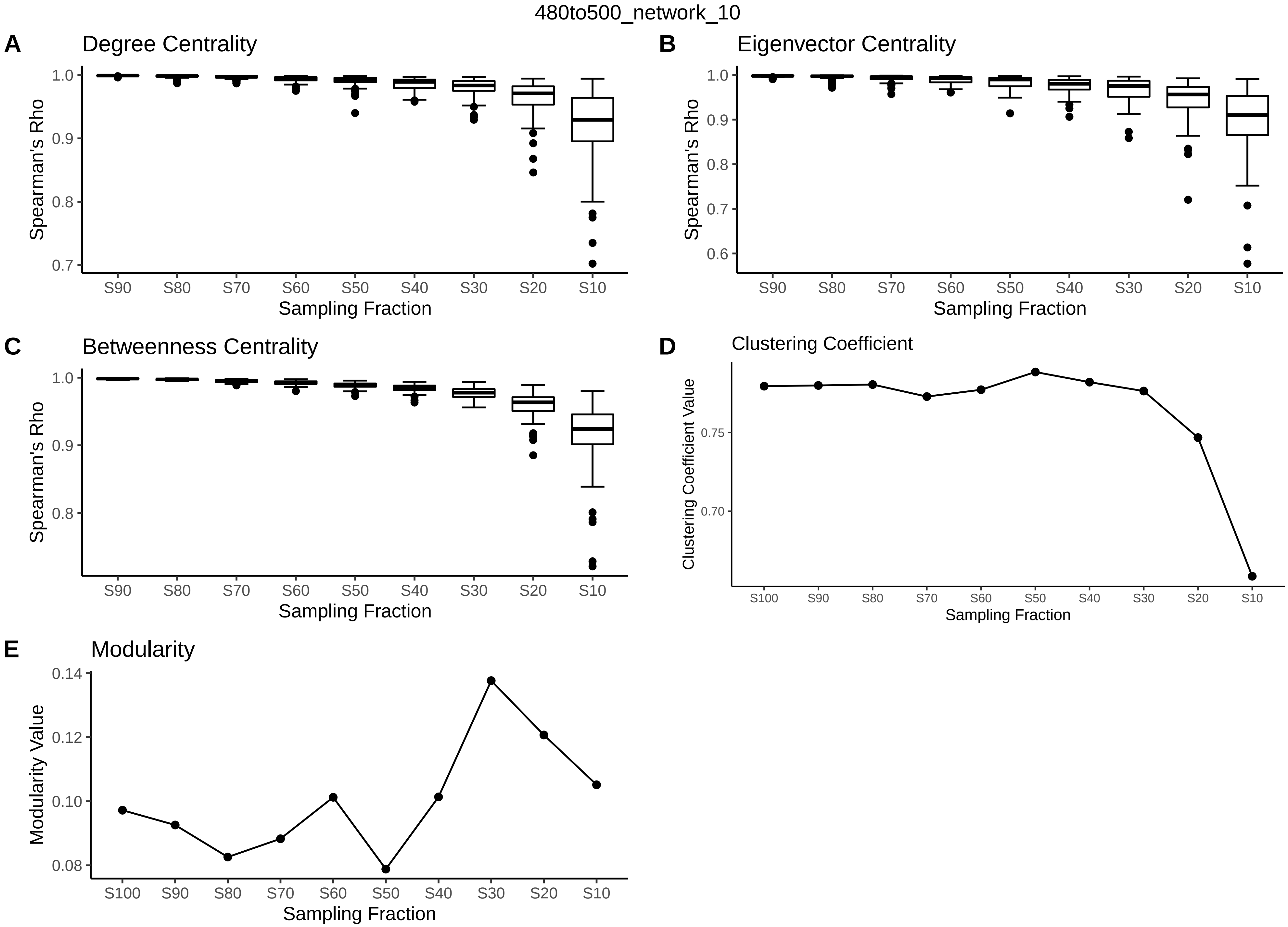

460to480_network_1
A
Degree Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.5
0.0
−0.5
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.98
0.96
0.94
0.92
0.90
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.00
−0.05
−0.10
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction


460to480_network_9
A
Degree Centrality
Spearman's Rho
1.0
0.9
0.8
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
0.6
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.85
0.84
0.83
0.82
0.81
0.80
0.79
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.09
0.08
0.07
0.06
0.05
0.04
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

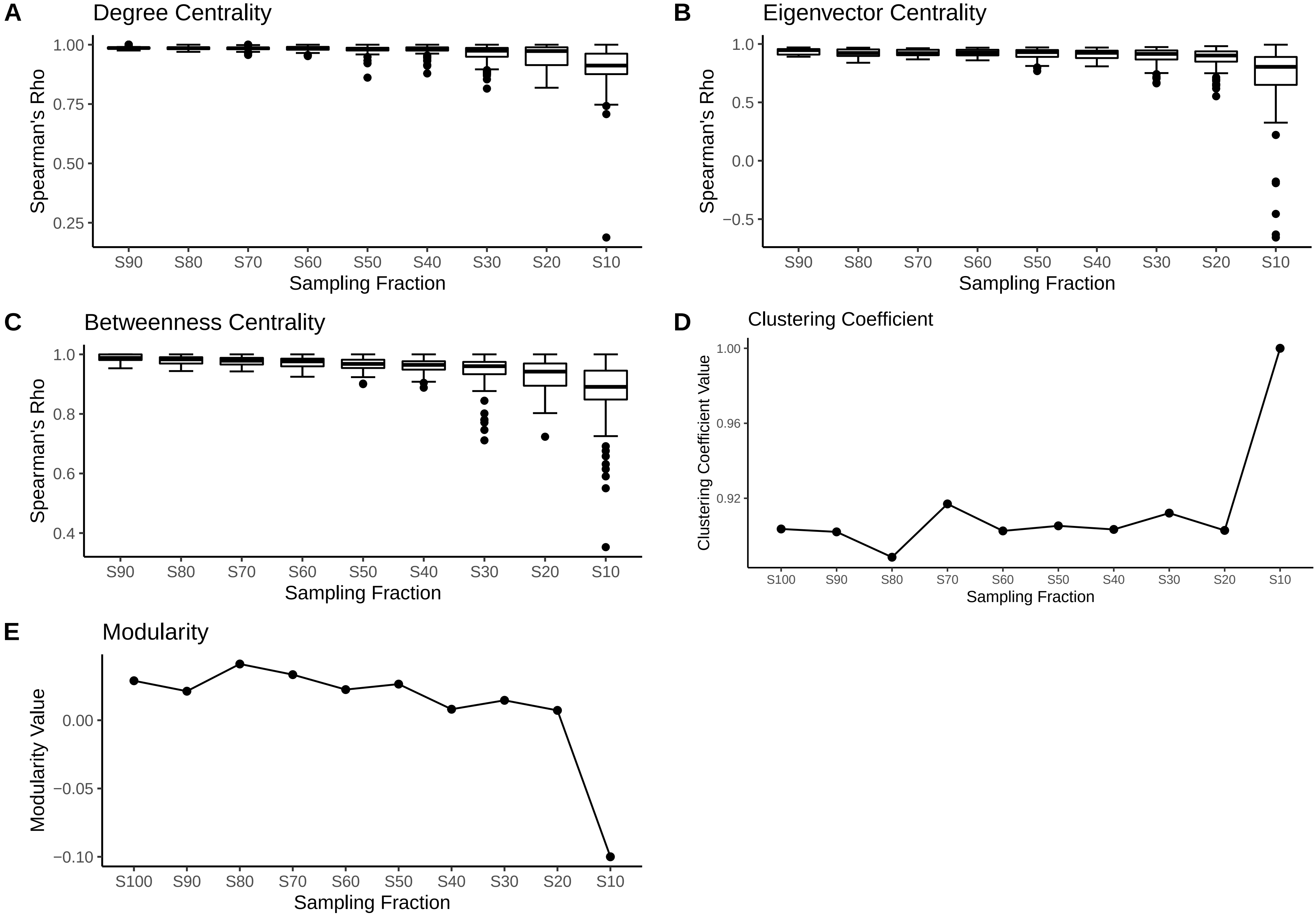
460to480_network_39




480to500_network_1
A
Degree Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
0.6
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
0.8
0.4
0.0
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
0.6
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.96
0.94
0.92
0.90
0.88
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.00
−0.05
−0.10
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction


480to500_network_10
A
Degree Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
0.6
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.9
0.8
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.75
0.70
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.14
0.12
0.10
0.08
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

480to500_network_40



A Degree Centrality

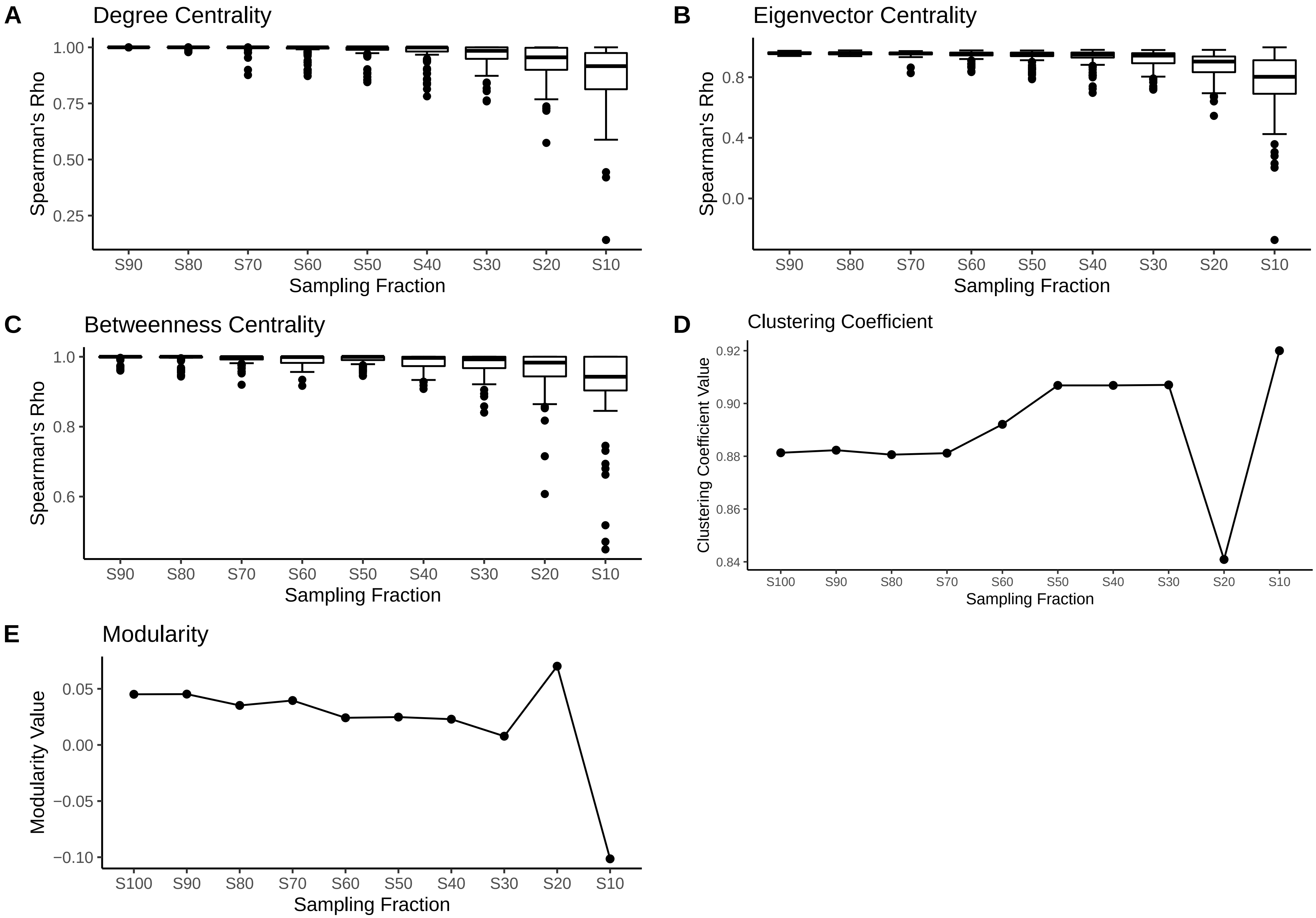
B Eigenvector Centrality

C Betweenness Centrality

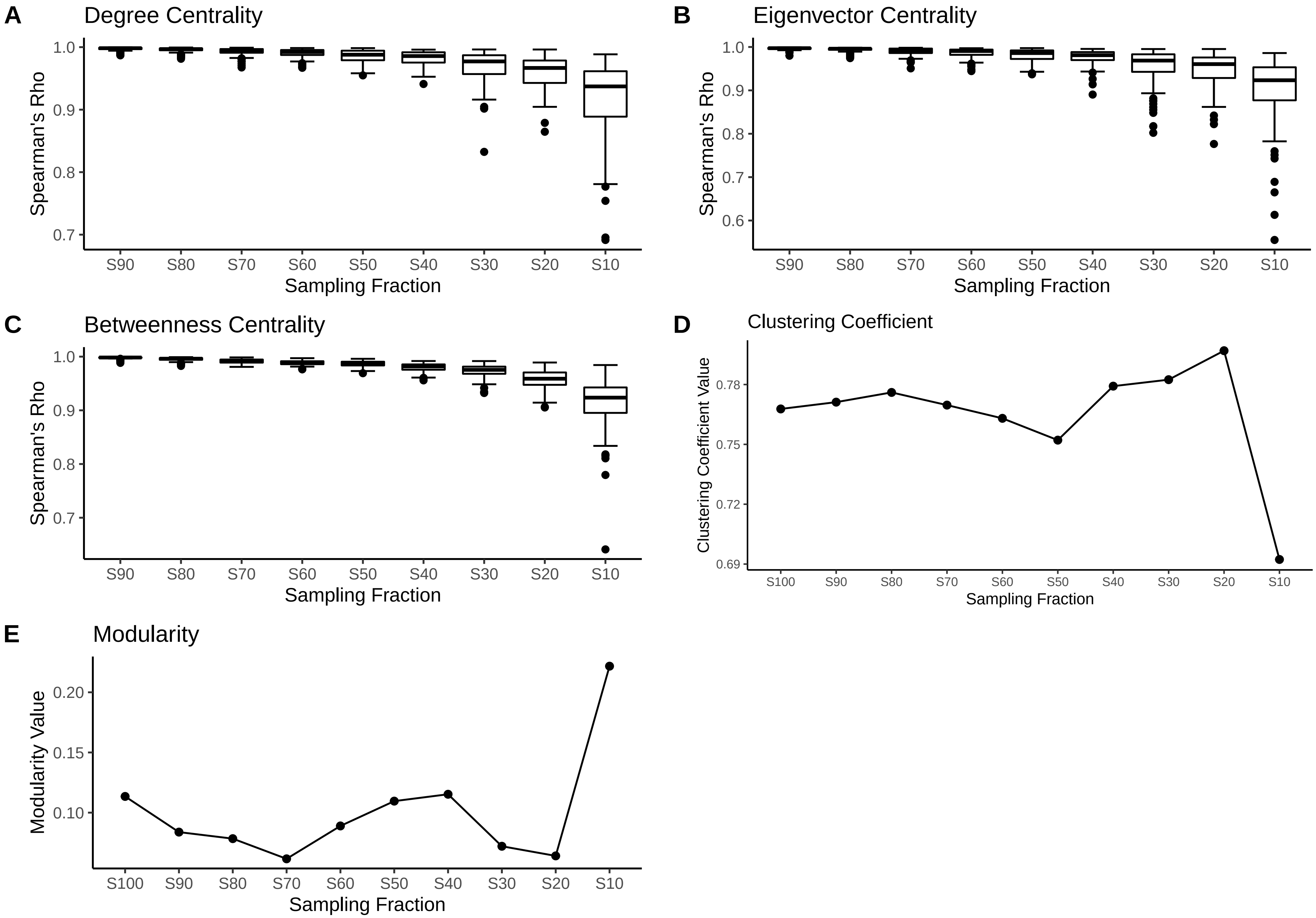
D Clustering Coefficient

E Modularity

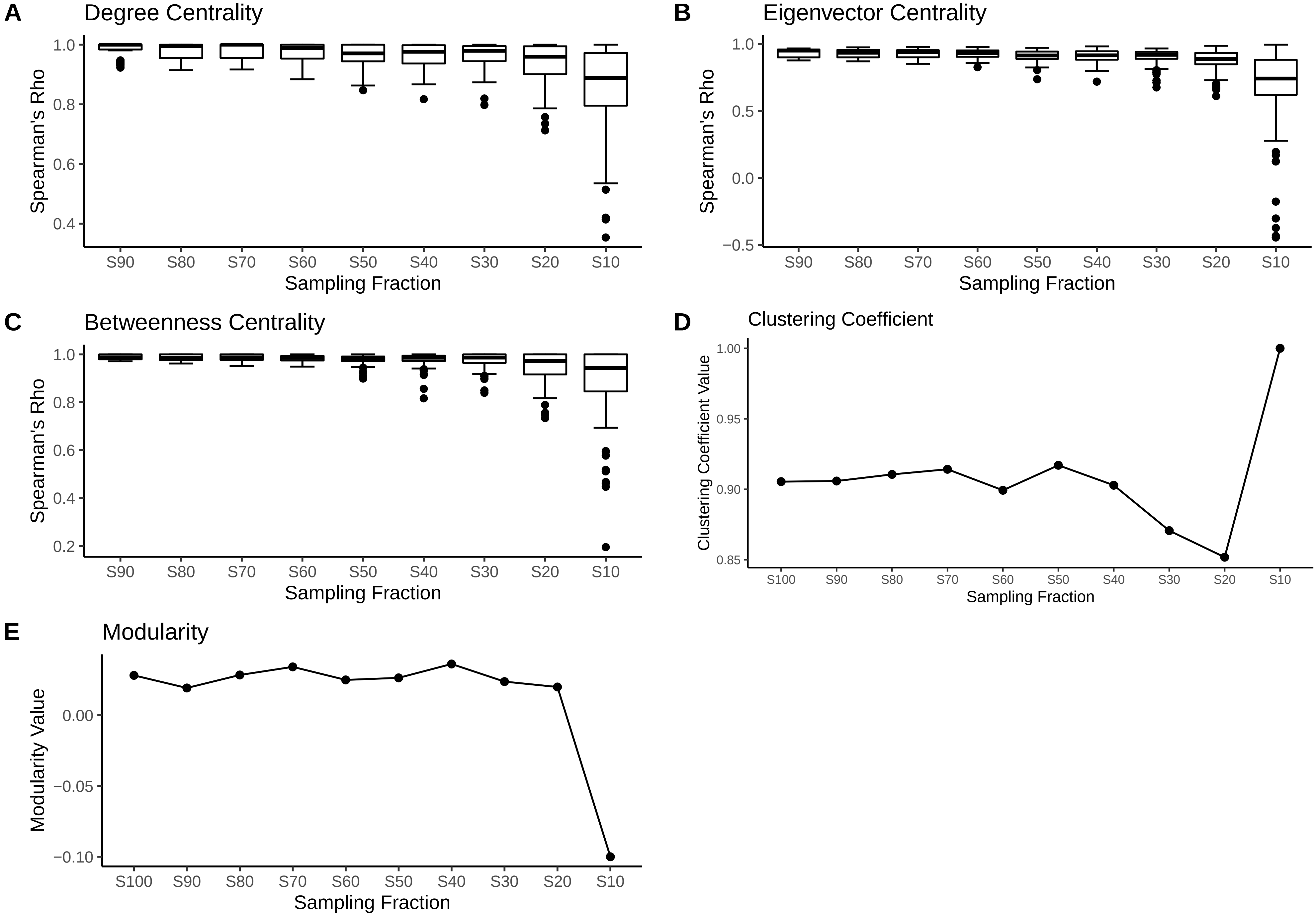
500to520_network_1

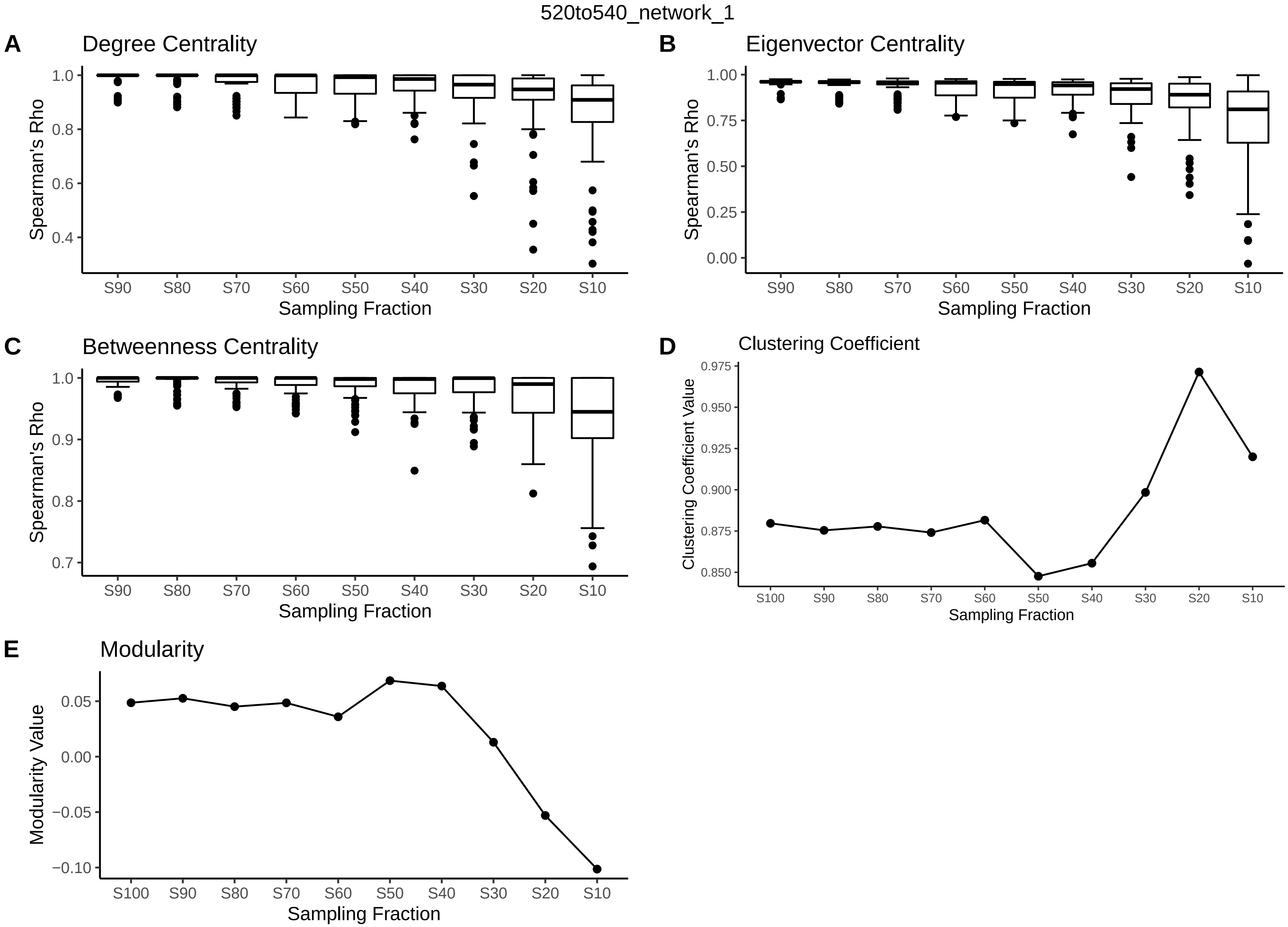


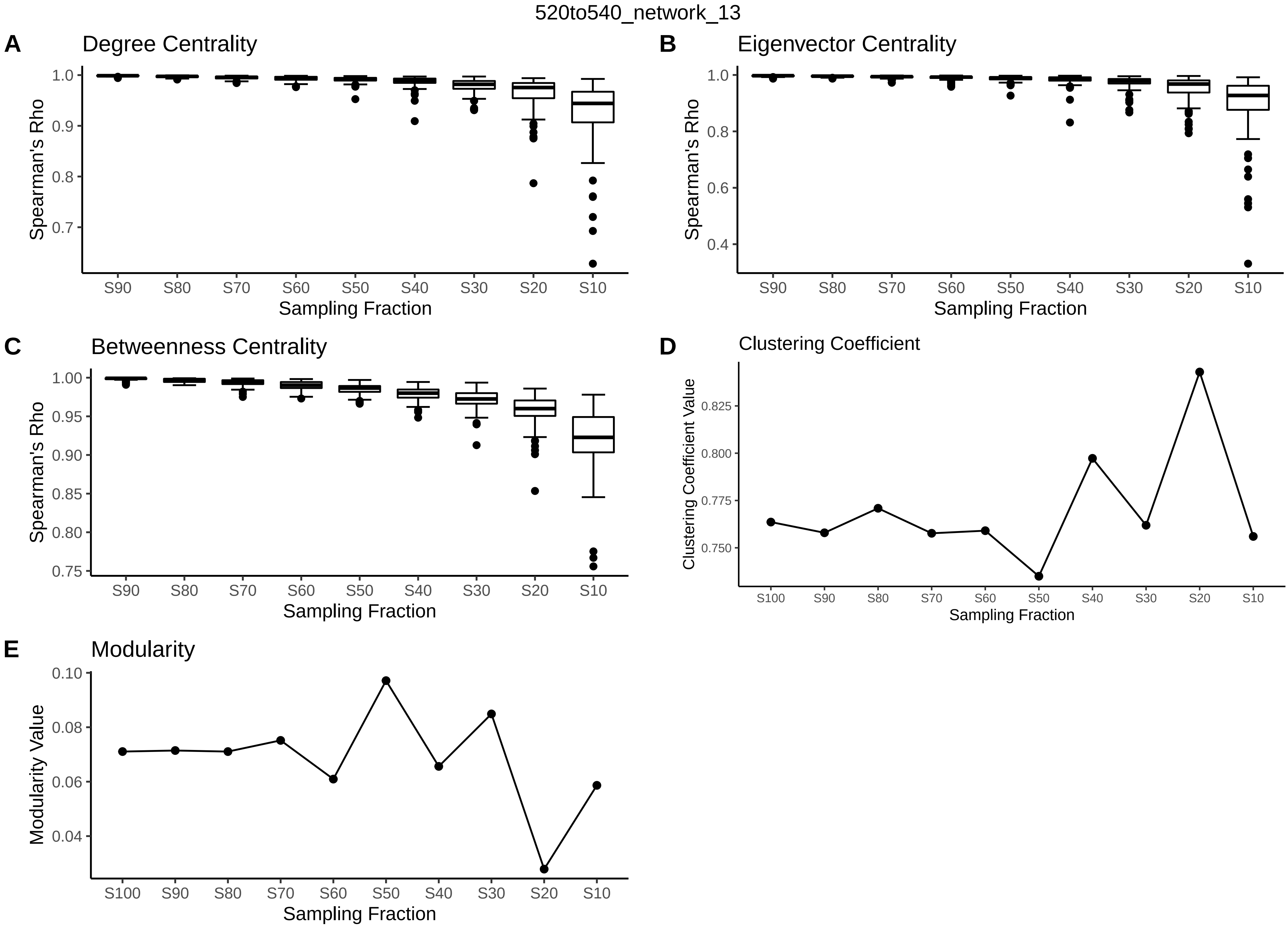
500to520_network_12

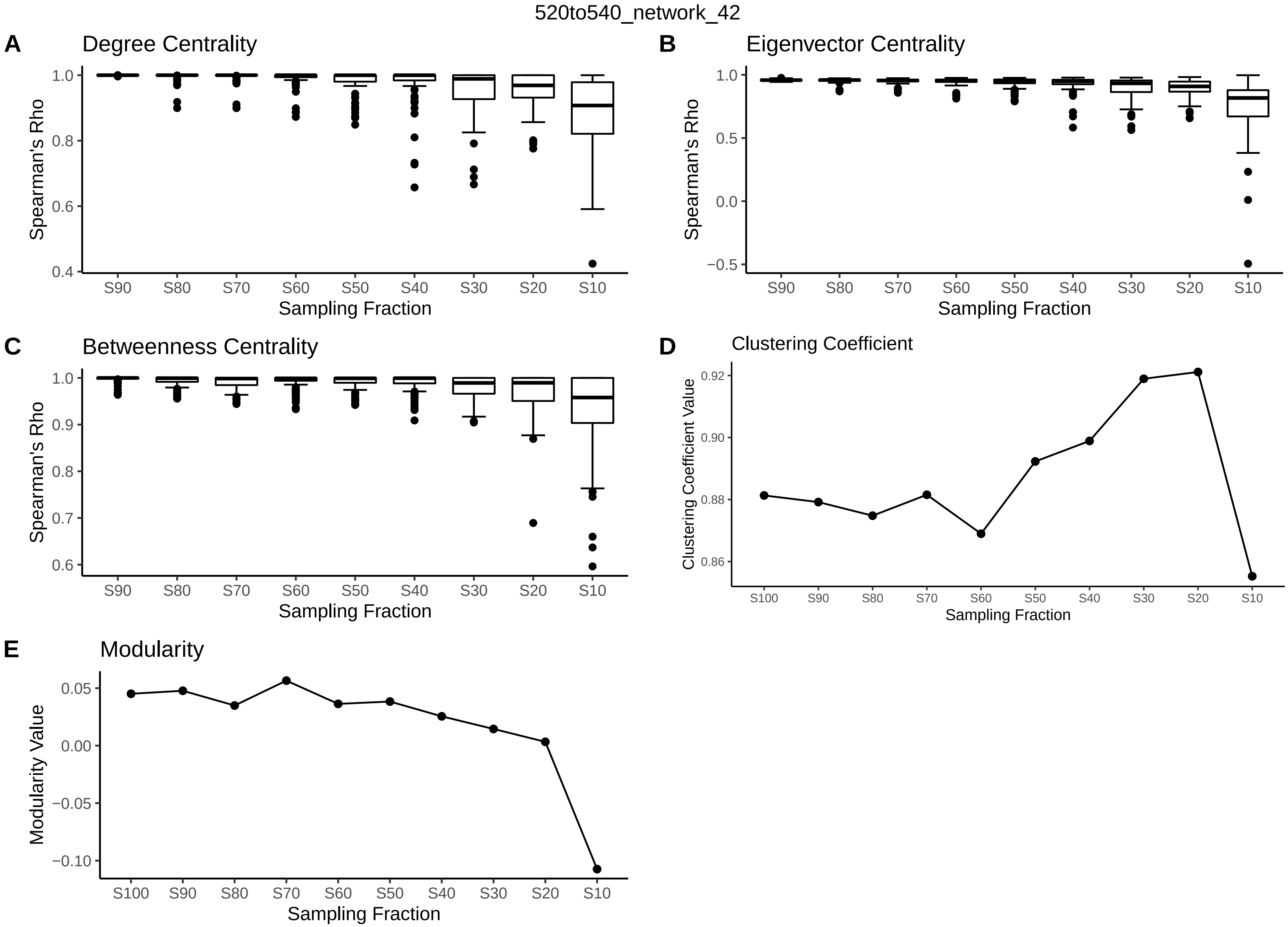


500to520_network_41

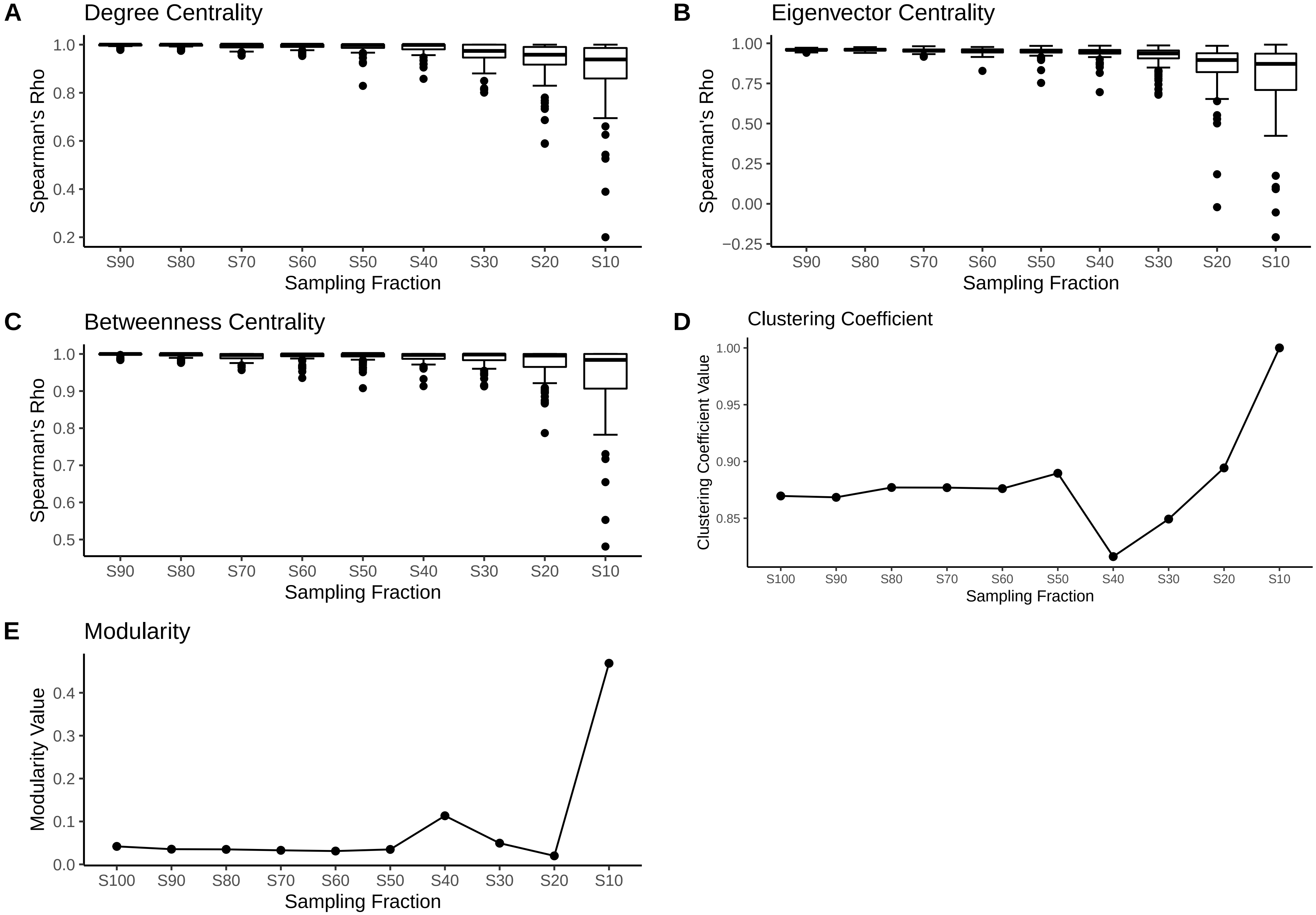



520to540_network_1
A
Degree Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.00
0.75
0.50
0.25
0.00
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.975
0.950
0.925
0.900
0.875
0.850
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.05
0.00
−0.05
−0.10
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

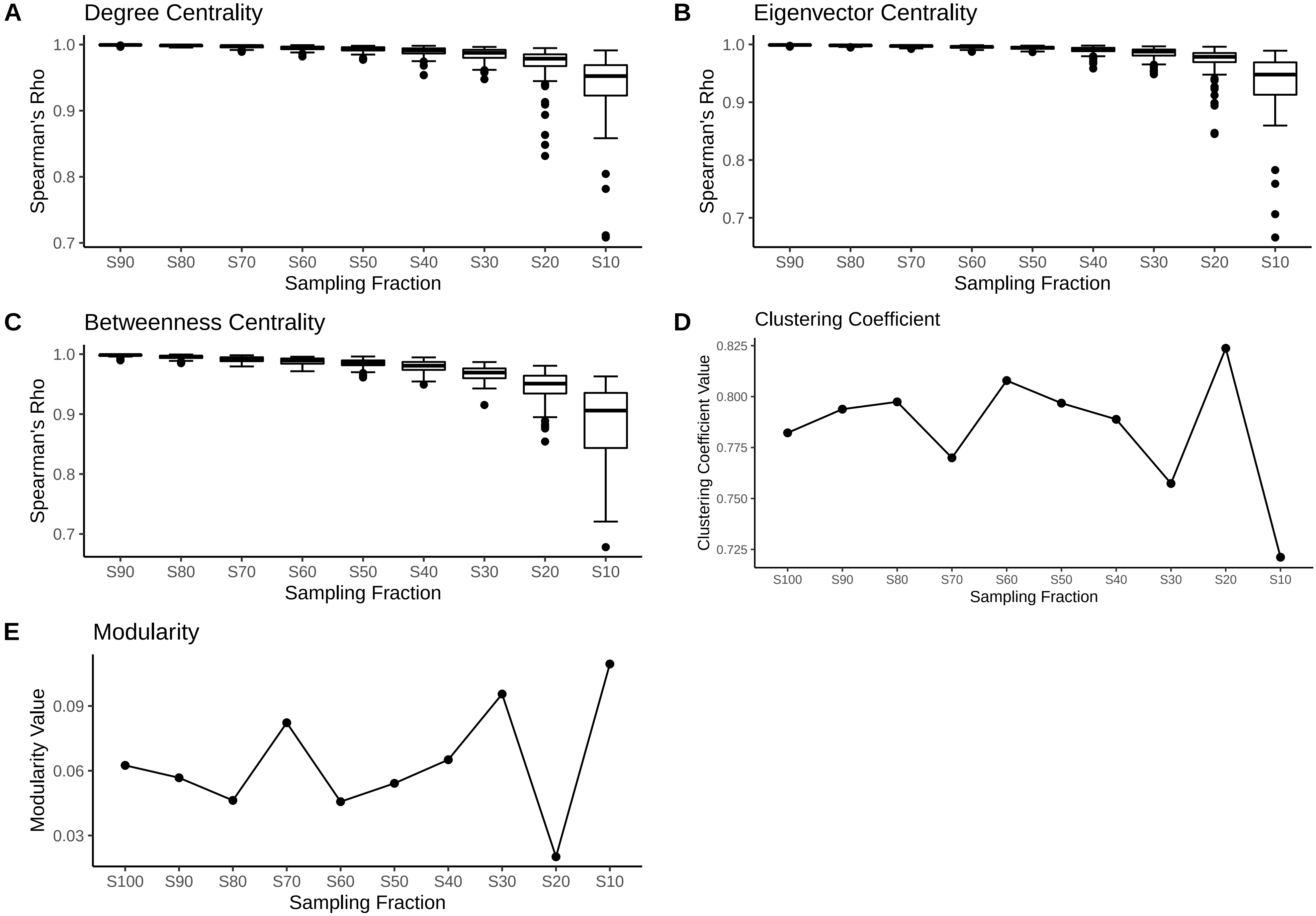

520to540_network_13
A
Degree Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.00
0.95
0.90
0.85
0.80
0.75
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.825
0.800
0.775
0.750
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.10
0.08
0.06
0.04
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

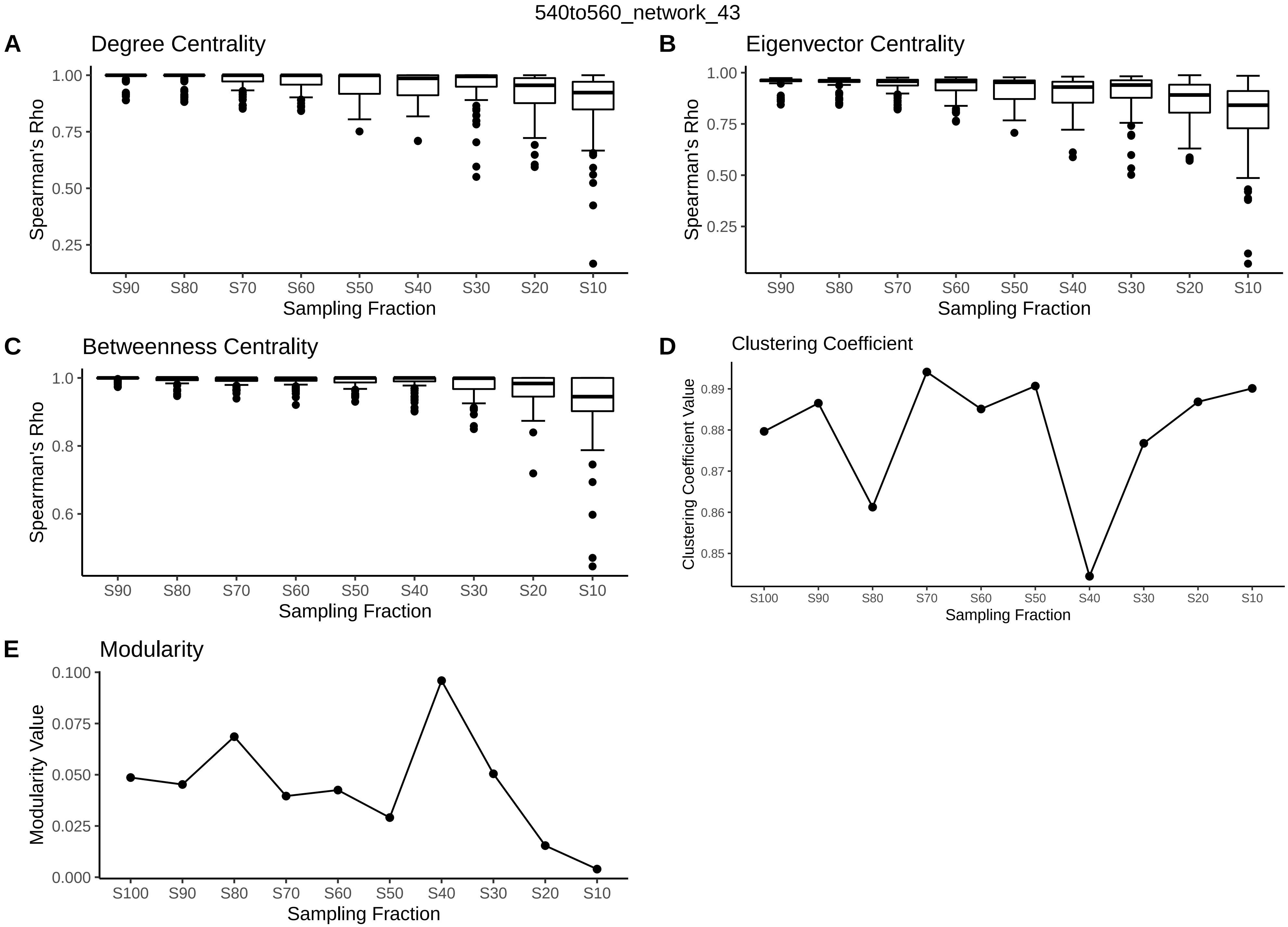

520to540_network_42
A
Degree Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.5
0.0
−0.5
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
0.6
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.92
0.90
0.88
0.86
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.05
0.00
−0.05
−0.10
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

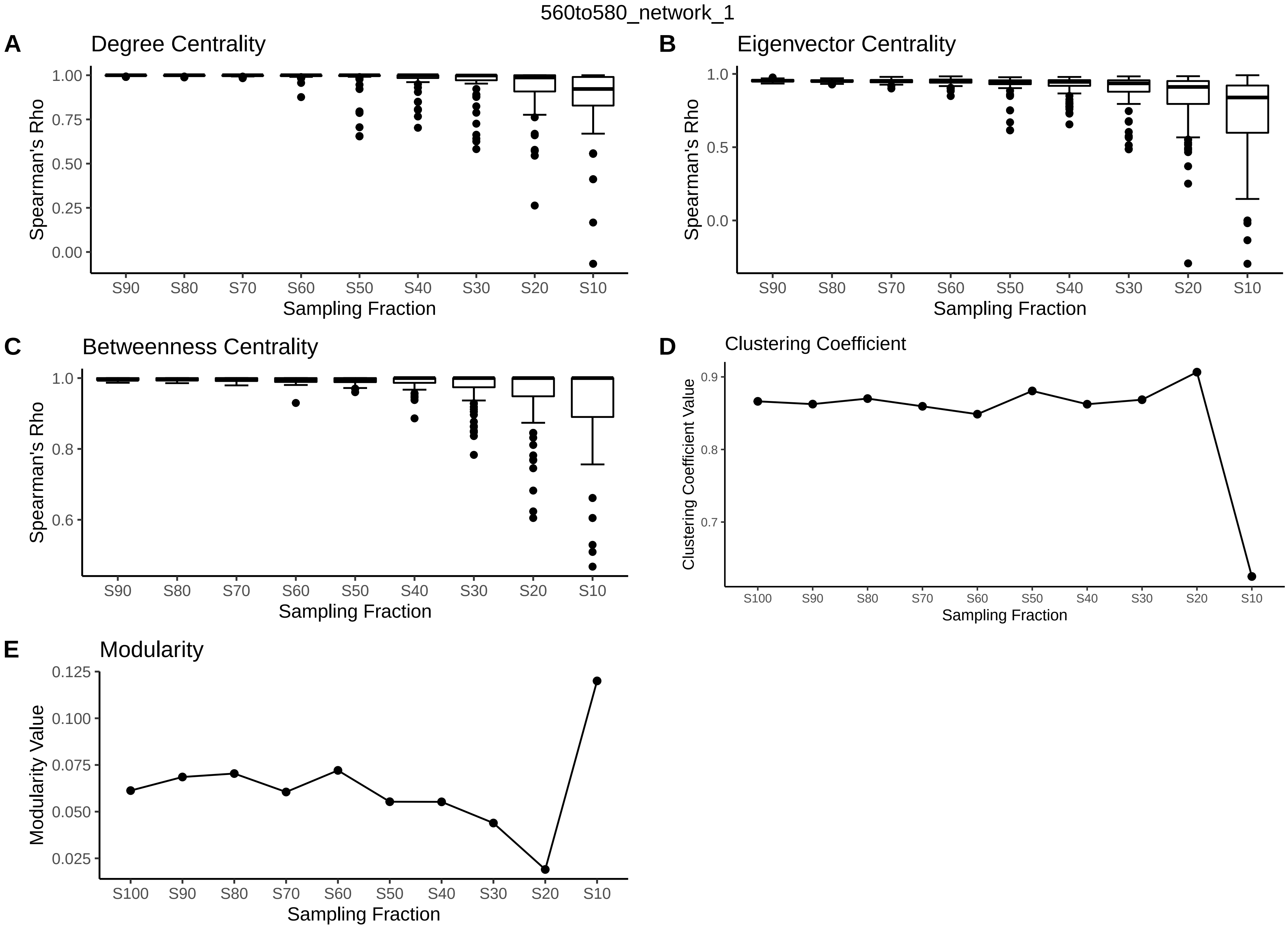
540to560_network_1



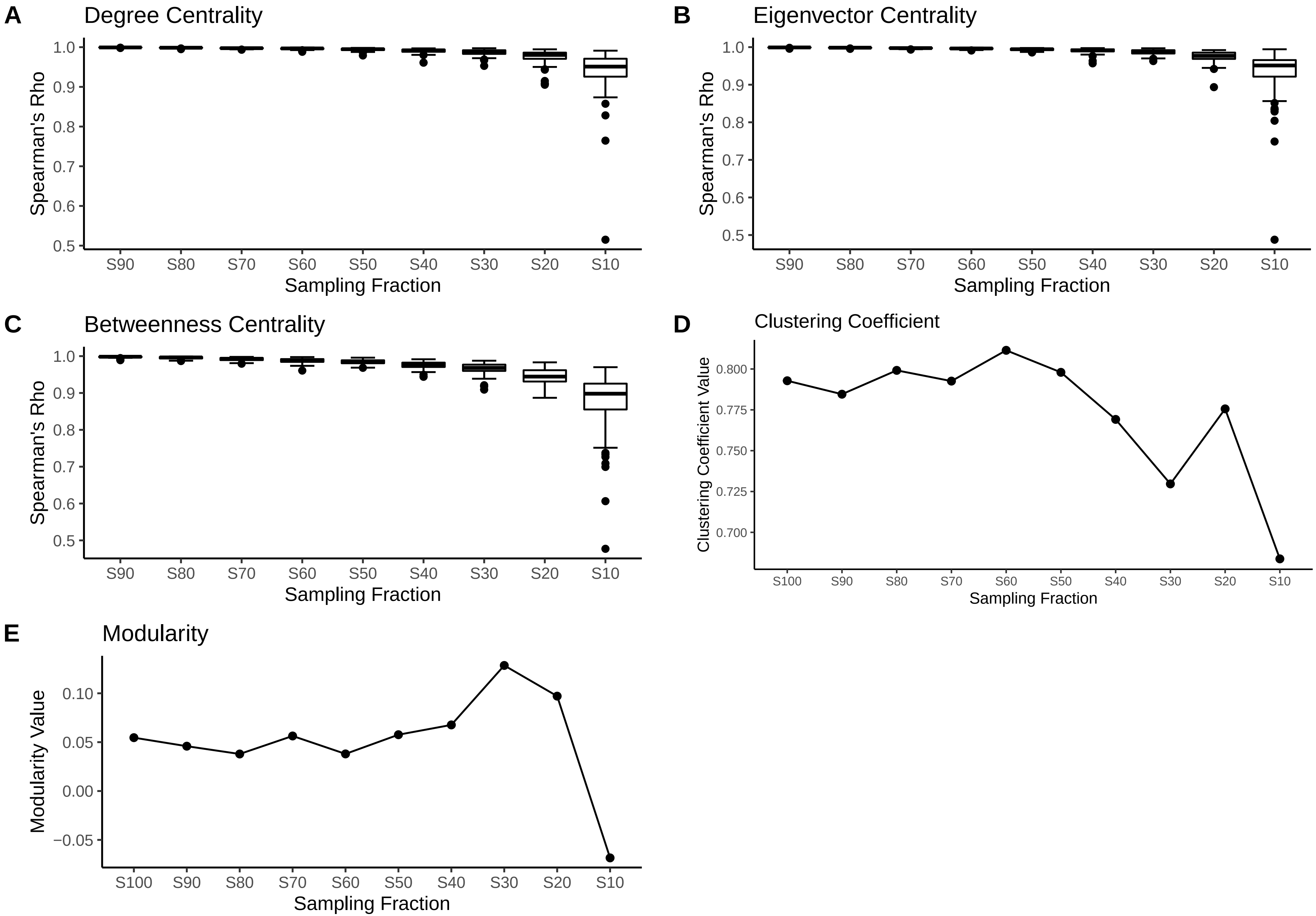
540to560_network_15

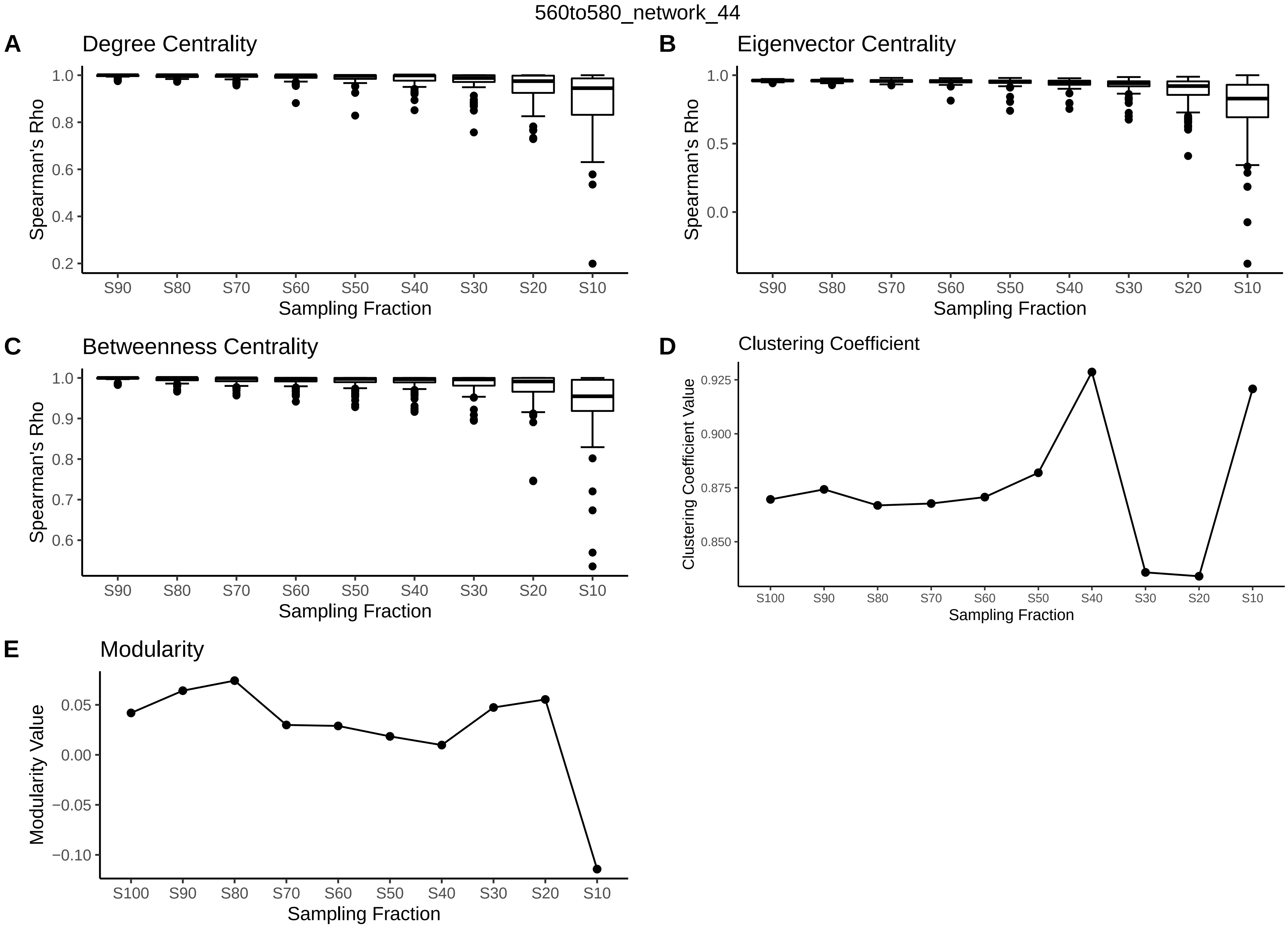


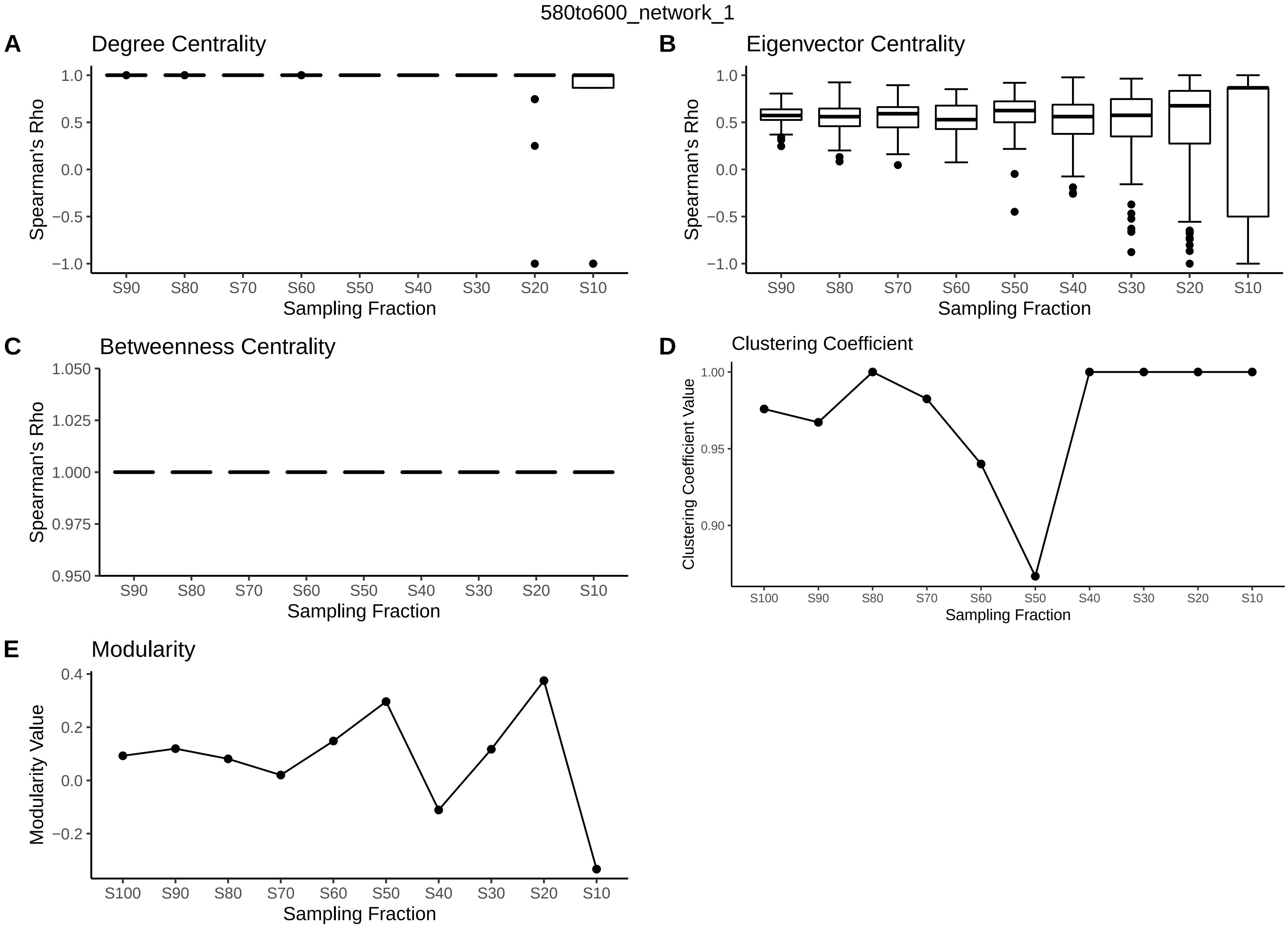

540to560_network_43
A
Degree Centrality
Spearman's Rho
1.00
0.75
0.50
0.25
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.00
0.75
0.50
0.25
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.8
0.6
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.89
0.88
0.87
0.86
0.85
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.100
0.075
0.050
0.025
0.000
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

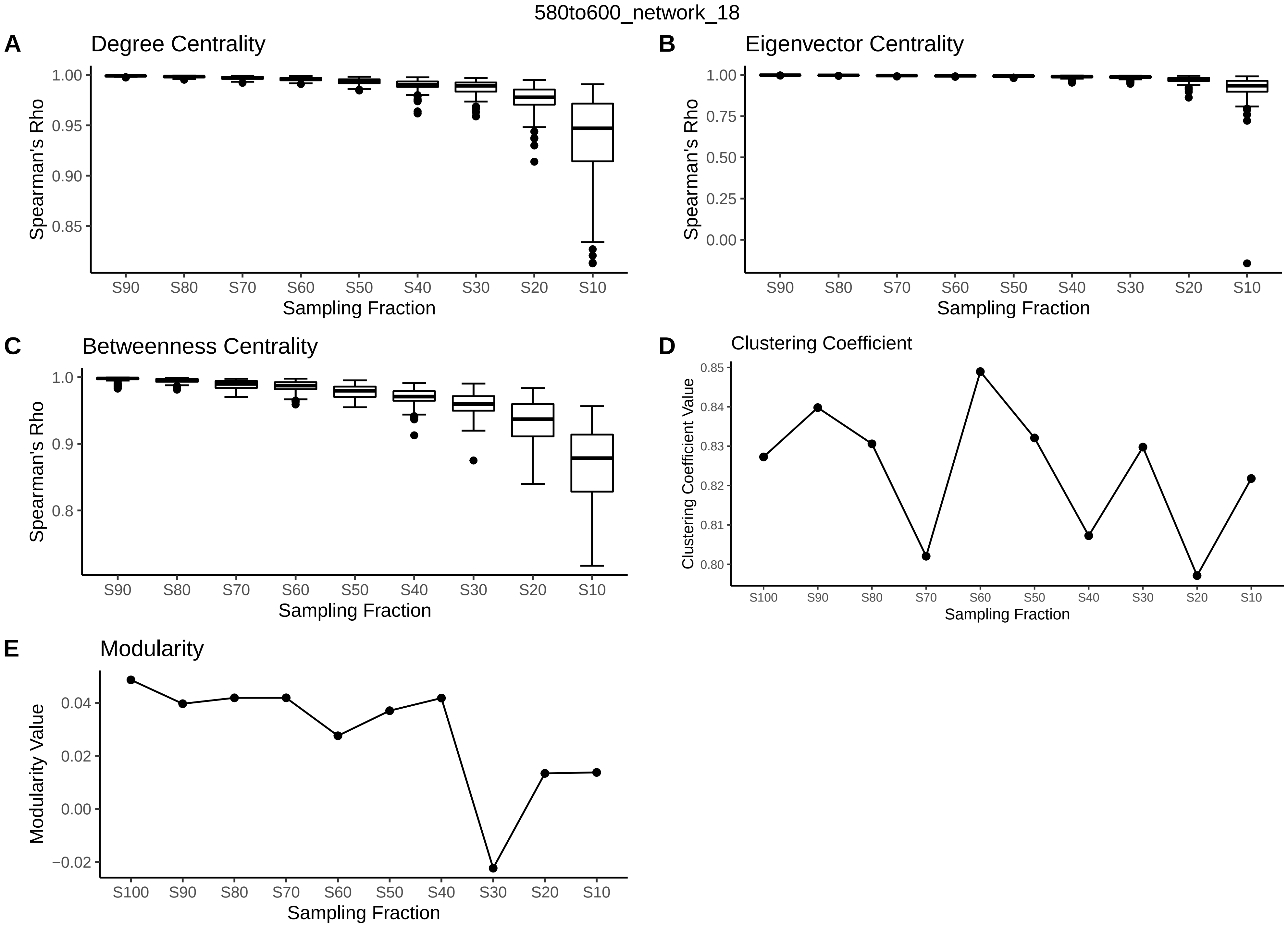

560to580_network_1
A
Degree Centrality
Spearman's Rho
1.00
0.75
0.50
0.25
0.00
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.5
0.0
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.8
0.6
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.9
0.8
0.7
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.125
0.100
0.075
0.050
0.025
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

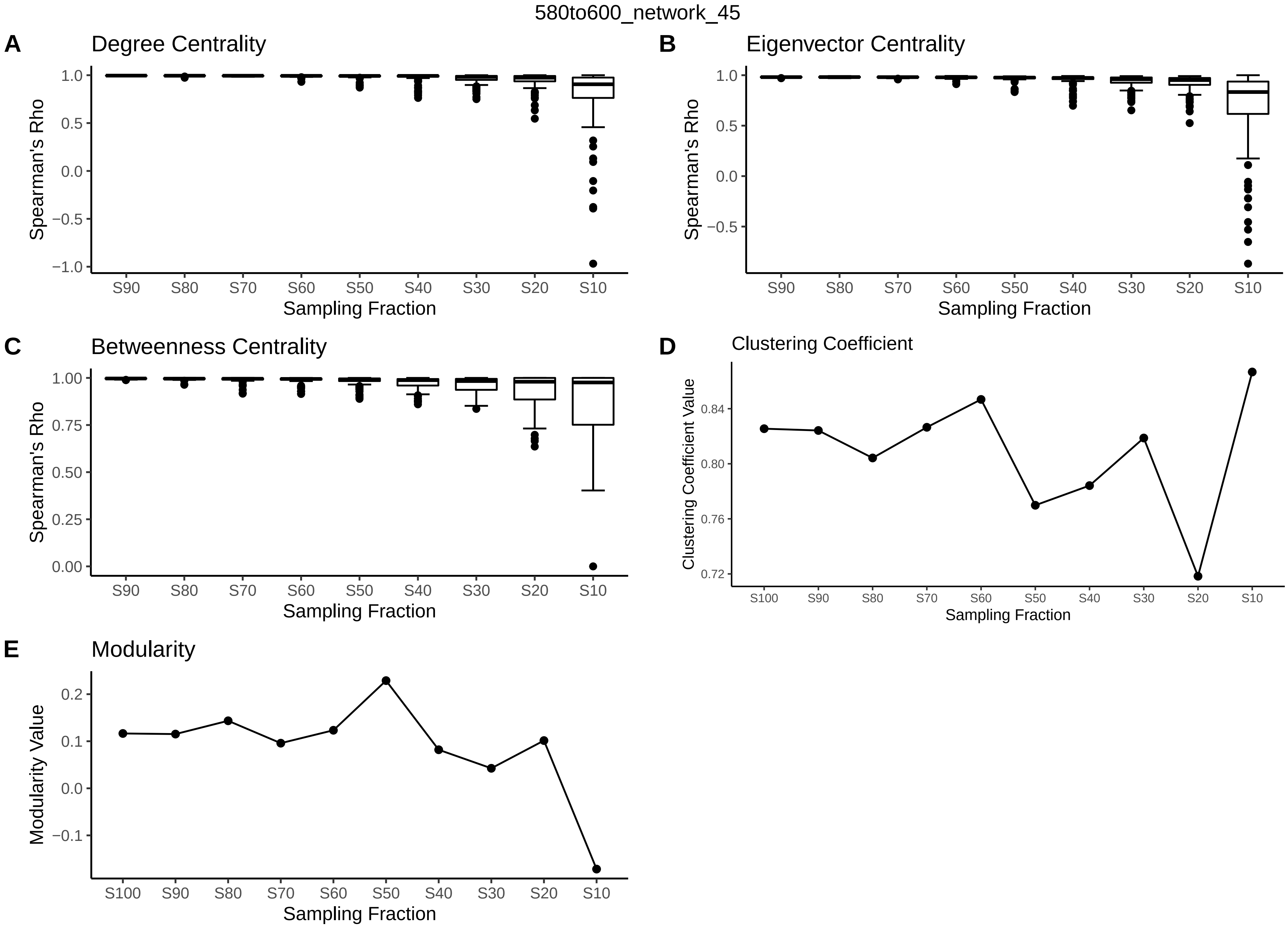
560to580_network_16

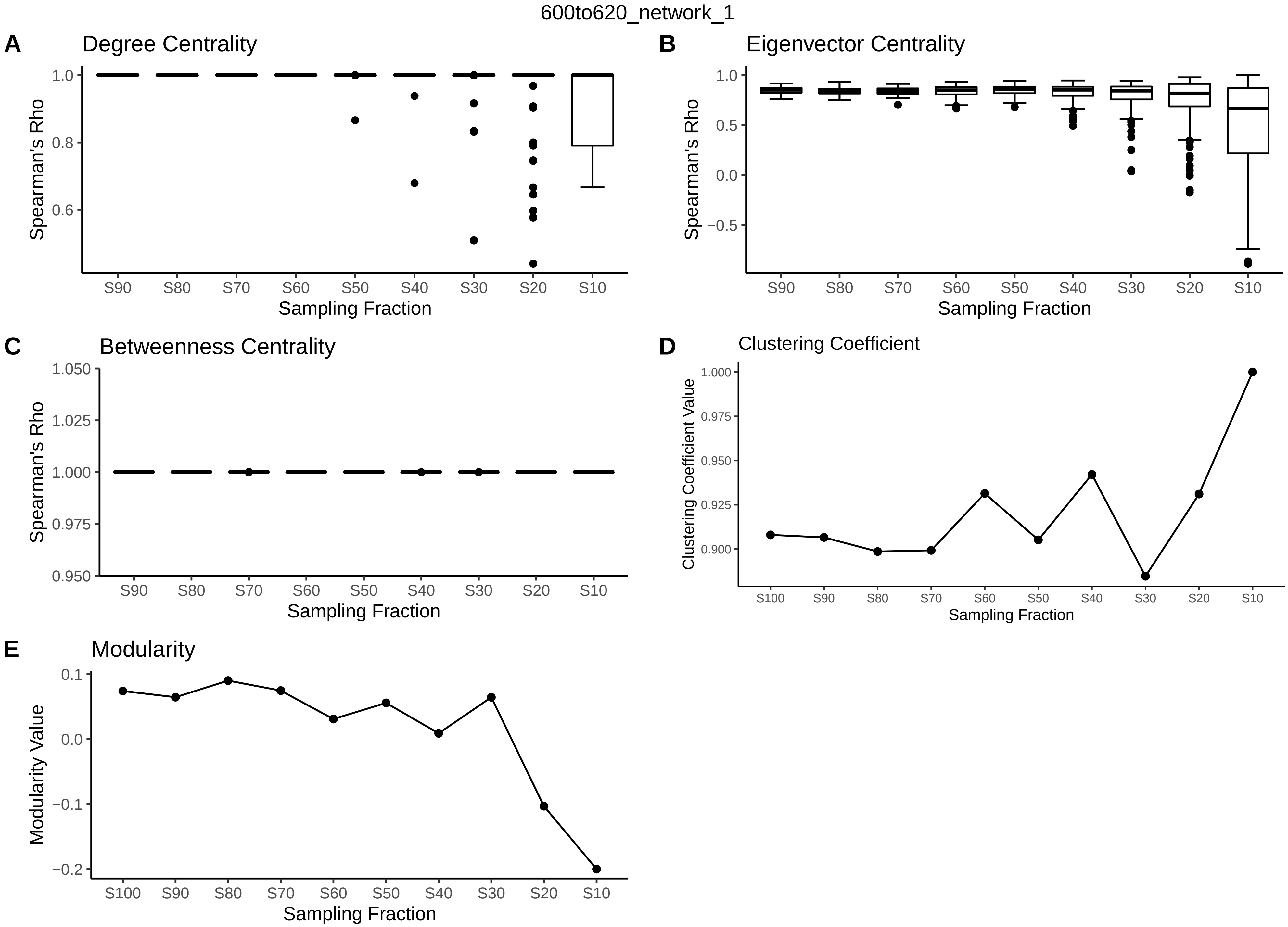



560to580_network_44
A
Degree Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
0.2
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.5
0.0
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
0.6
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.925
0.900
0.875
0.850
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.05
0.00
−0.05
−0.10
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

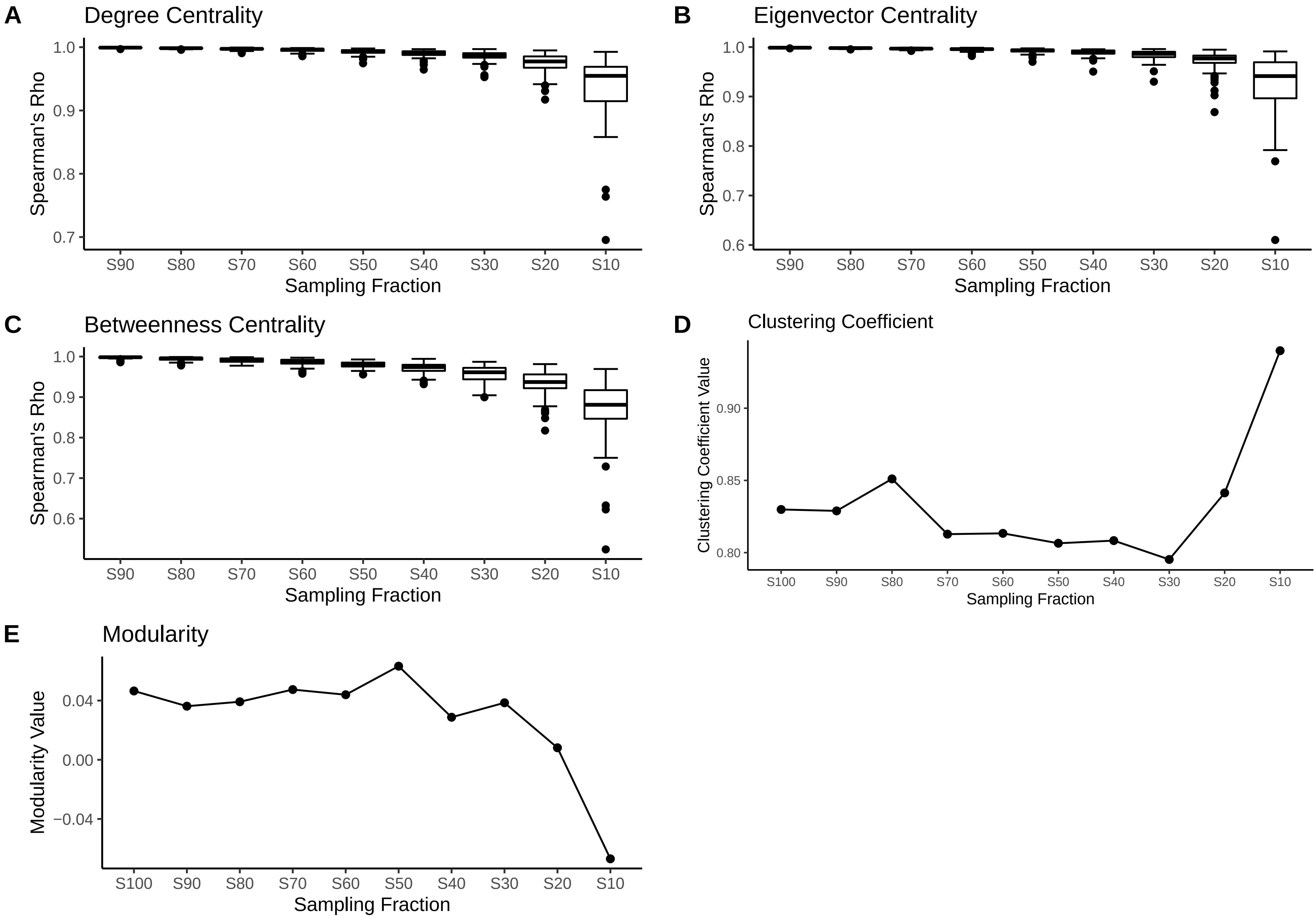

580to600_network_1
A
Degree Centrality
Spearman's Rho
1.0
0.5
0.0
−0.5
−1.0
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.5
0.0
−0.5
−1.0
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.050
1.025
1.000
0.975
0.950
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
1.00
0.95
0.90
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.4
0.2
0.0
−0.2
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

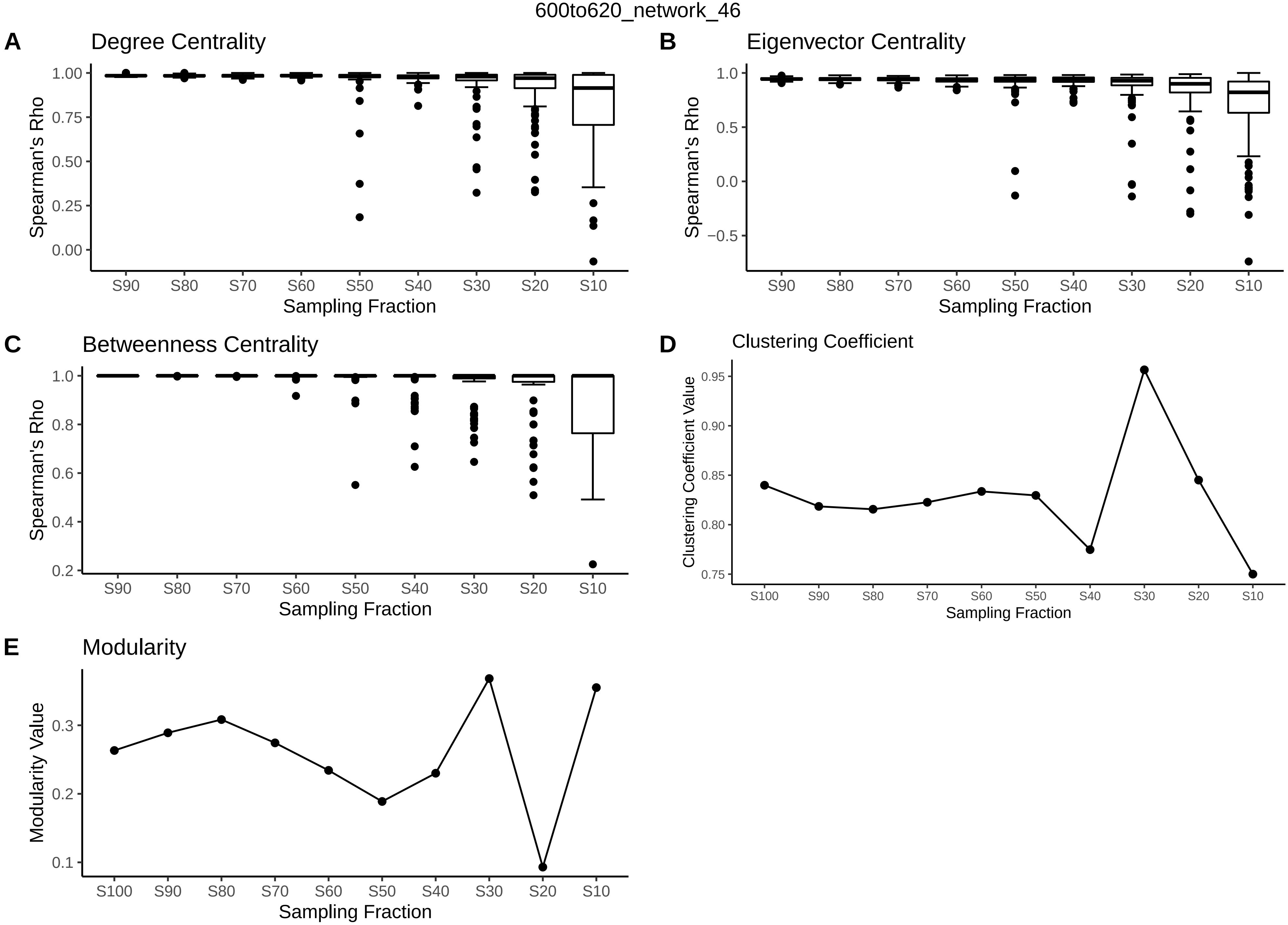

580to600_network_18
A
Degree Centrality
Spearman's Rho
1.00
0.95
0.90
0.85
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.00
0.75
0.50
0.25
0.00
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.9
0.8
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.85
0.84
0.83
0.82
0.81
0.80
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.04
0.02
0.00
−0.02
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

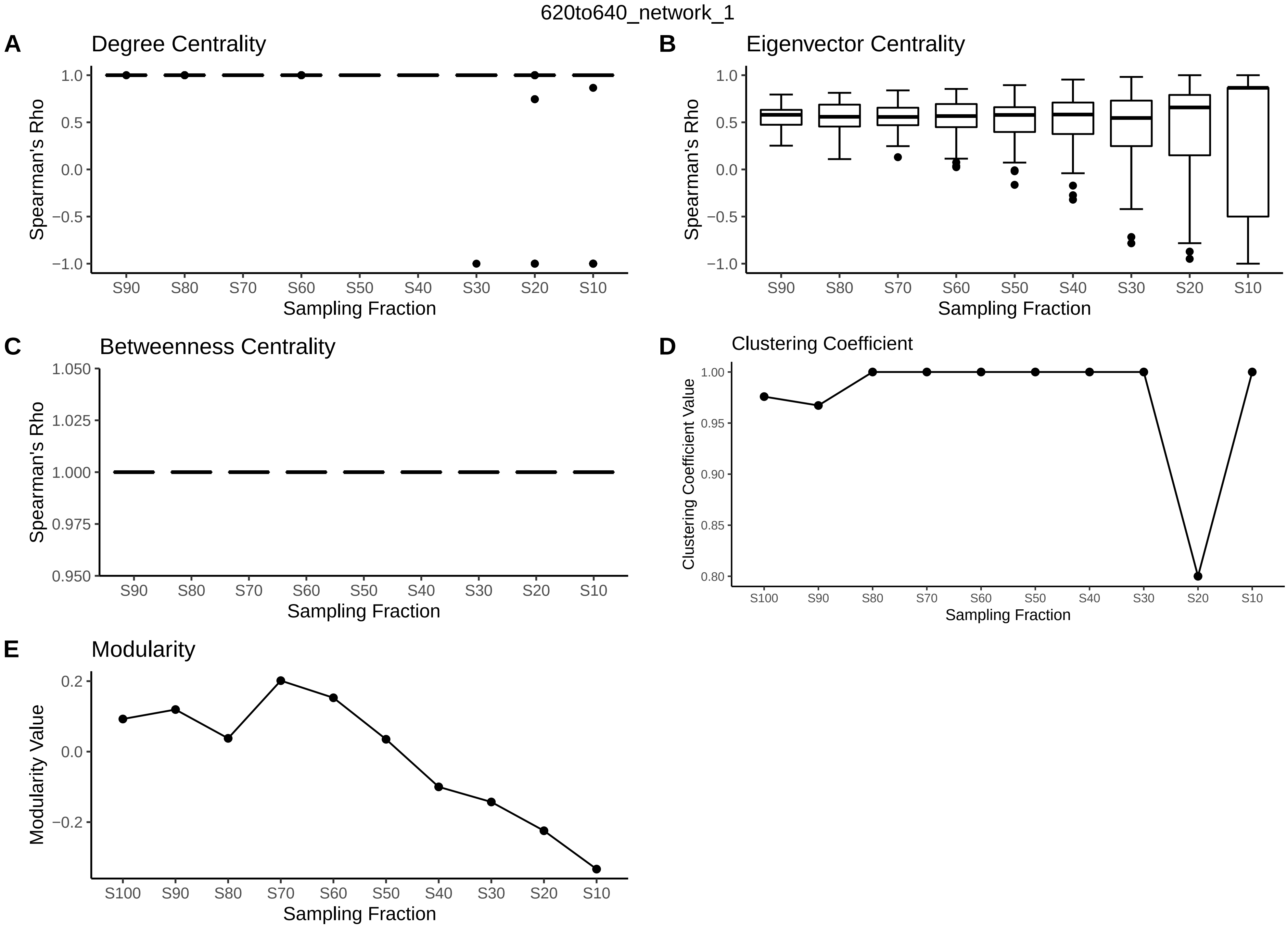

580to600_network_45
A
Degree Centrality
Spearman's Rho
1.0
0.5
0.0
−0.5
−1.0
S90 S80 S70 S60 S50 S40 S30 S20 S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.5
0.0
−0.5
S90 S80 S70 S60 S50 S40 S30 S20 S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.00
0.75
0.50
0.25
0.00
S90 S80 S70 S60 S50 S40 S30 S20 S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.84
0.80
0.76
0.72
S100 S90 S80 S70 S60 S50 S40 S30 S20 S10
Sampling Fraction
E
Modularity
Modularity Value
0.2
0.1
0.0
−0.1
S100 S90 S80 S70 S60 S50 S40 S30 S20 S10
Sampling Fraction


600to620_network_1
A
Degree Centrality
Spearman's Rho
1.0
0.8
0.6
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.5
0.0
−0.5
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.050
1.025
1.000
0.975
0.950
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
1.000
0.975
0.950
0.925
0.900
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.1
0.0
−0.1
−0.2
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

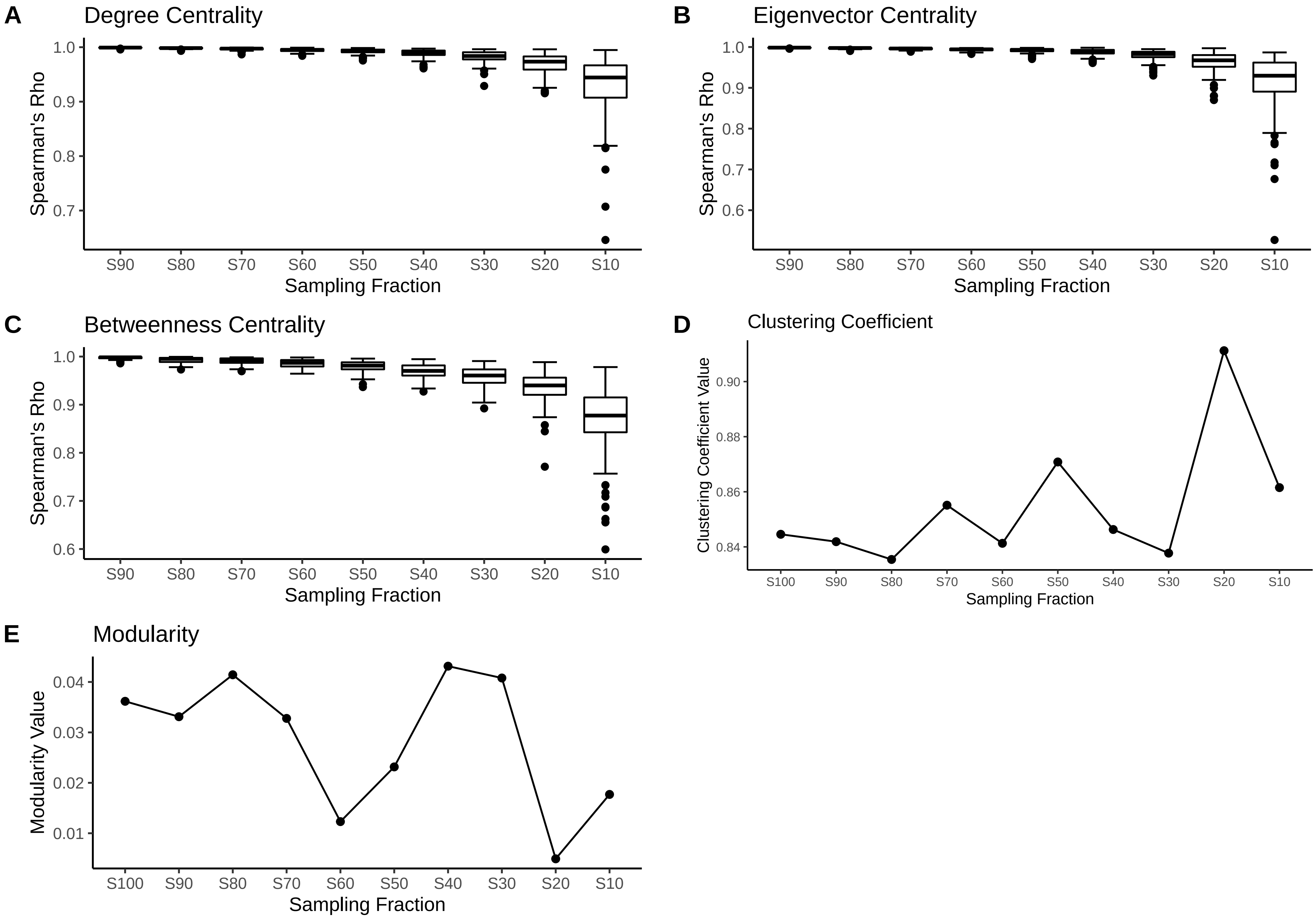
600to620_network_19



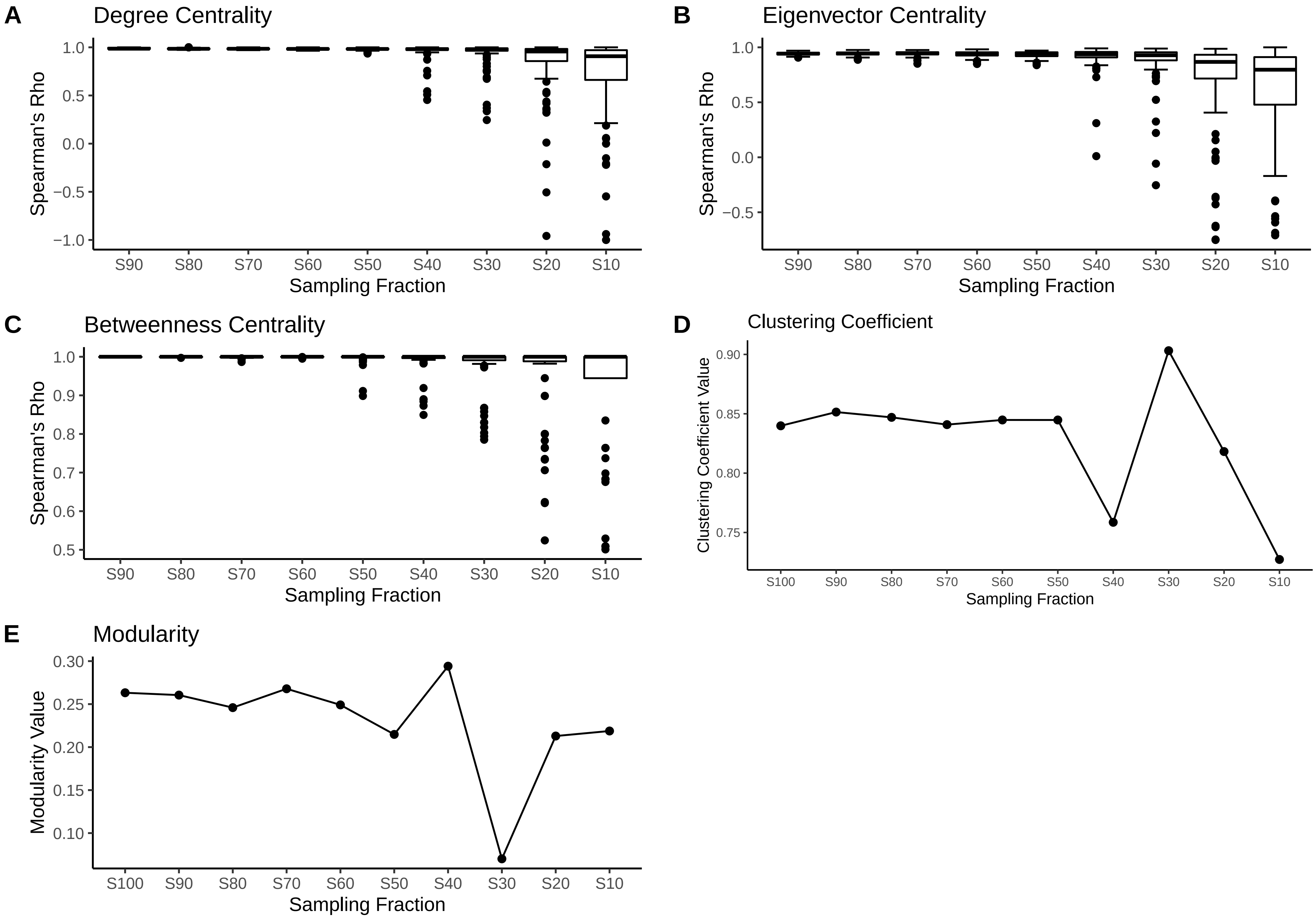

600to620_network_46
A
Degree Centrality
Spearman's Rho
1.00
0.75
0.50
0.25
0.00
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.5
0.0
−0.5
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
0.2
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.95
0.90
0.85
0.80
0.75
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.3
0.2
0.1
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

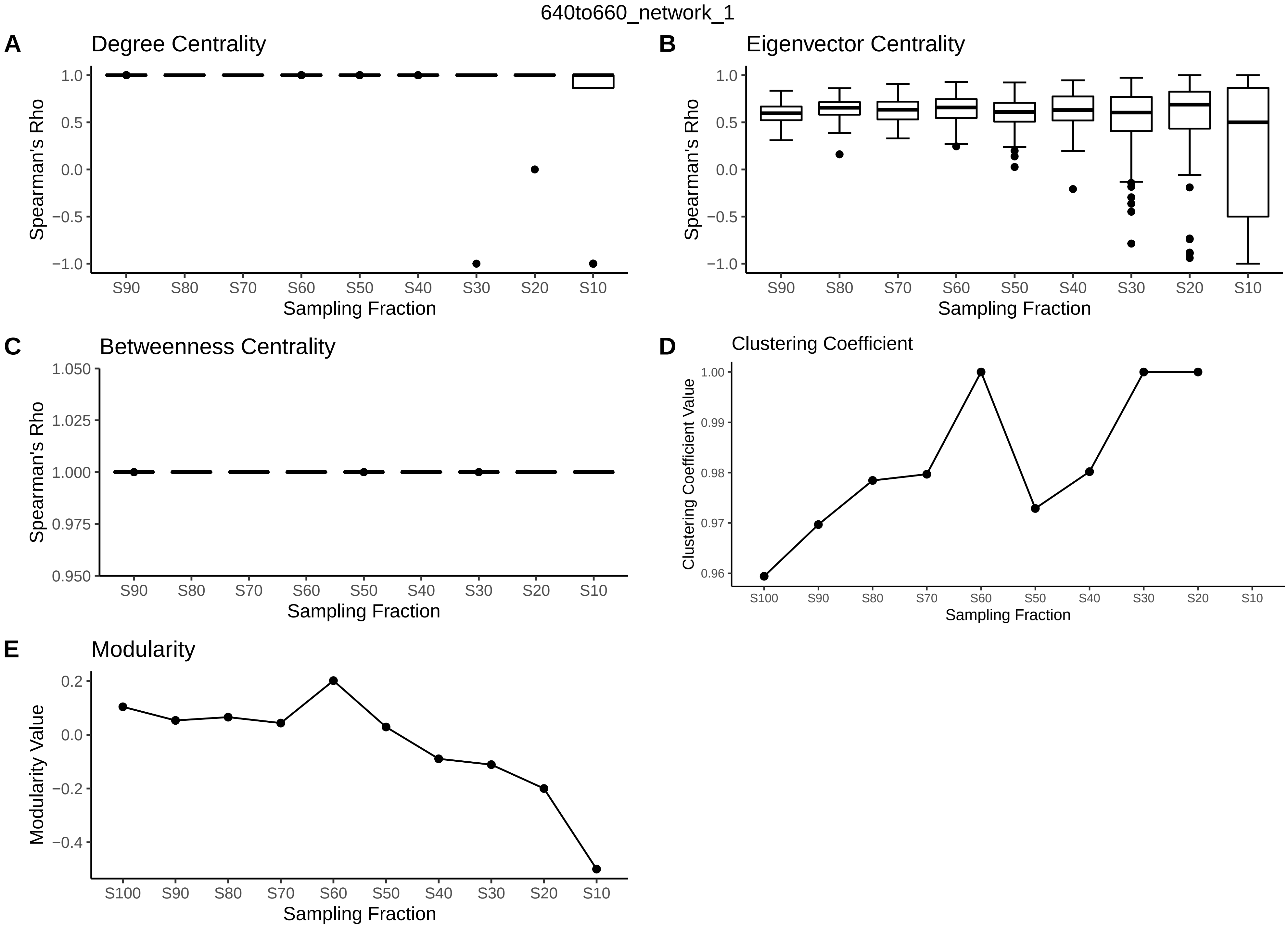

620to640_network_1
A
Degree Centrality
Spearman's Rho
1.0
0.5
0.0
−0.5
−1.0
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.5
0.0
−0.5
−1.0
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.050
1.025
1.000
0.975
0.950
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
1.00
0.95
0.90
0.85
0.80
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.2
0.0
−0.2
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

620to640_network_21

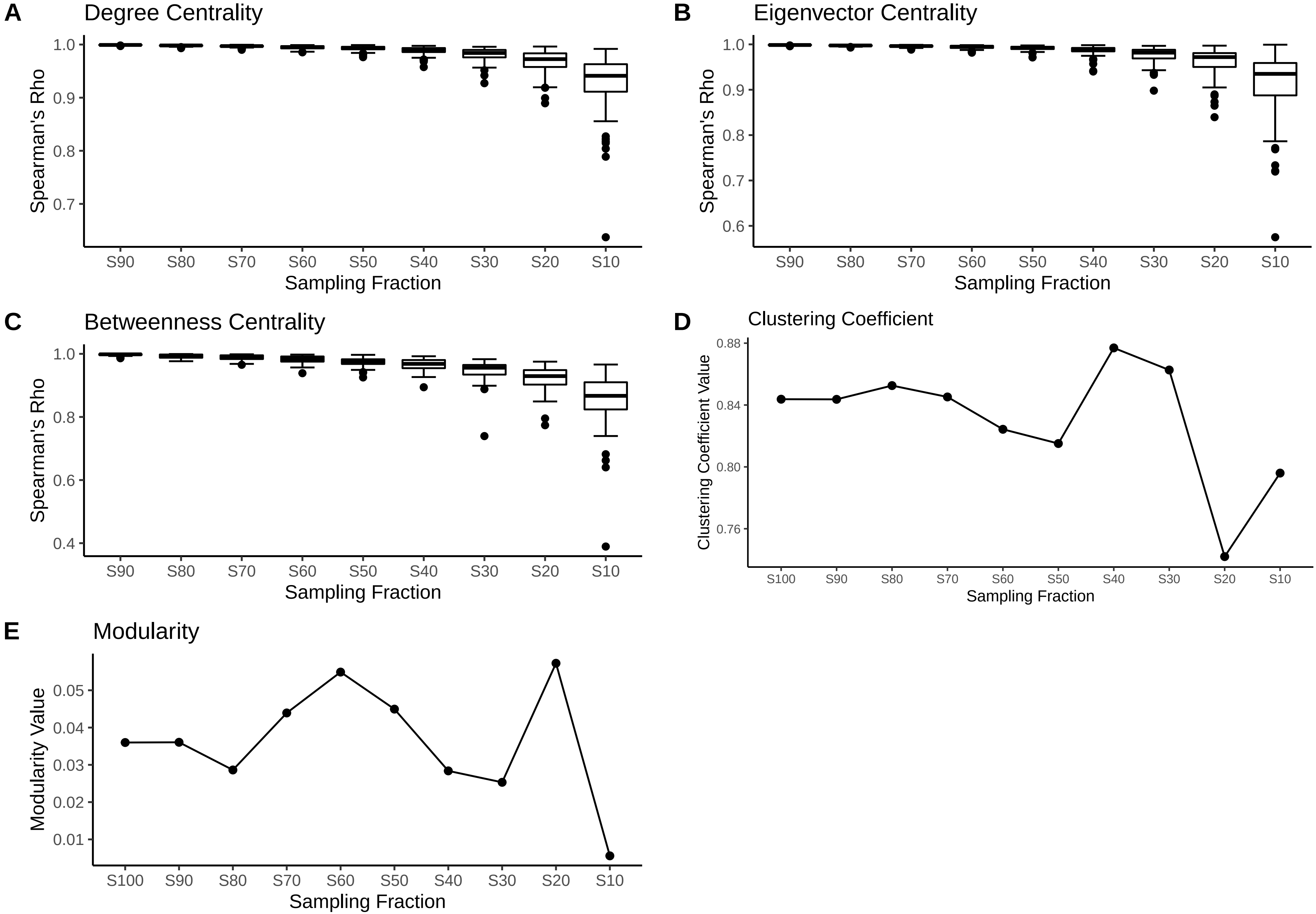


620to640_network_47

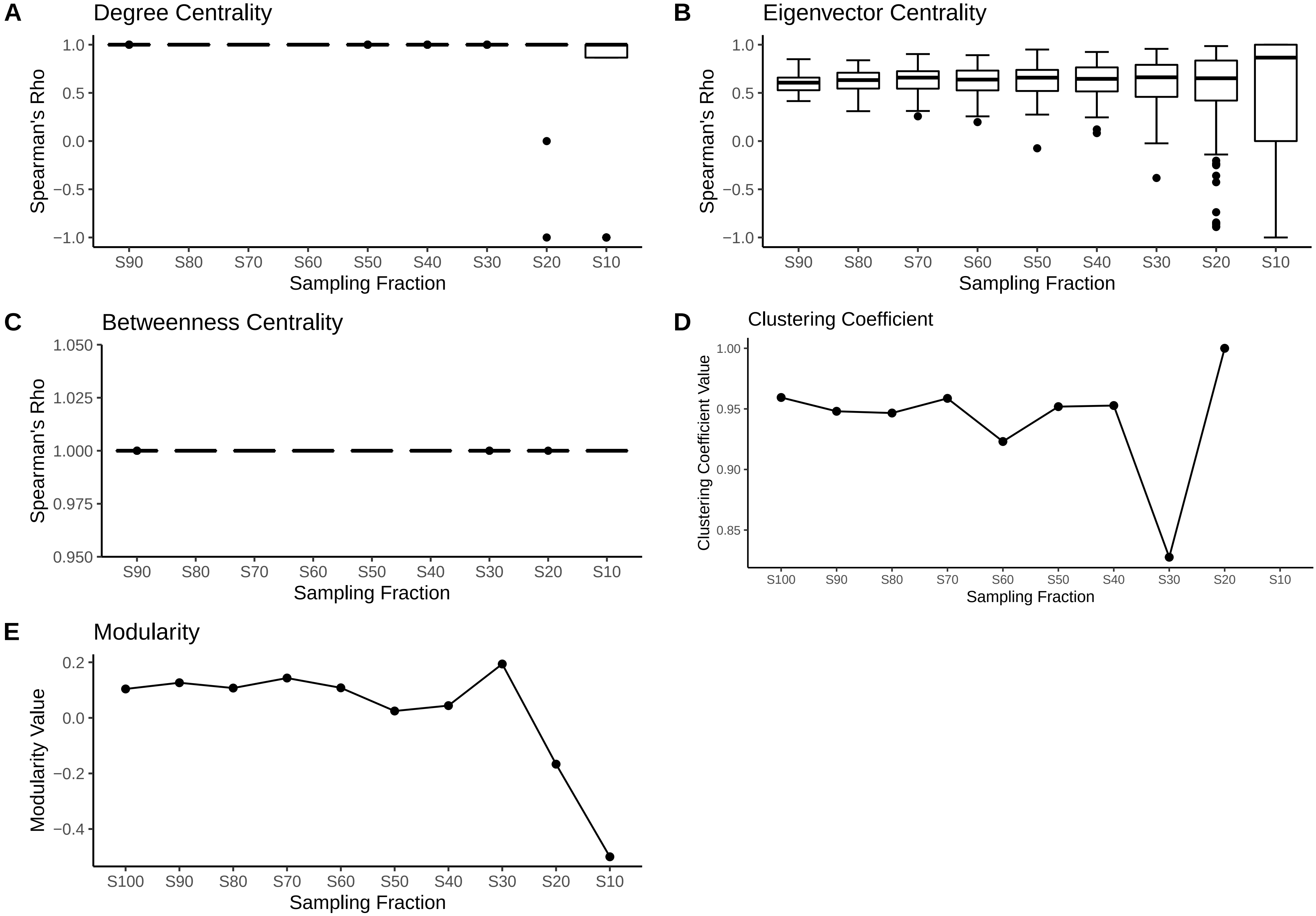


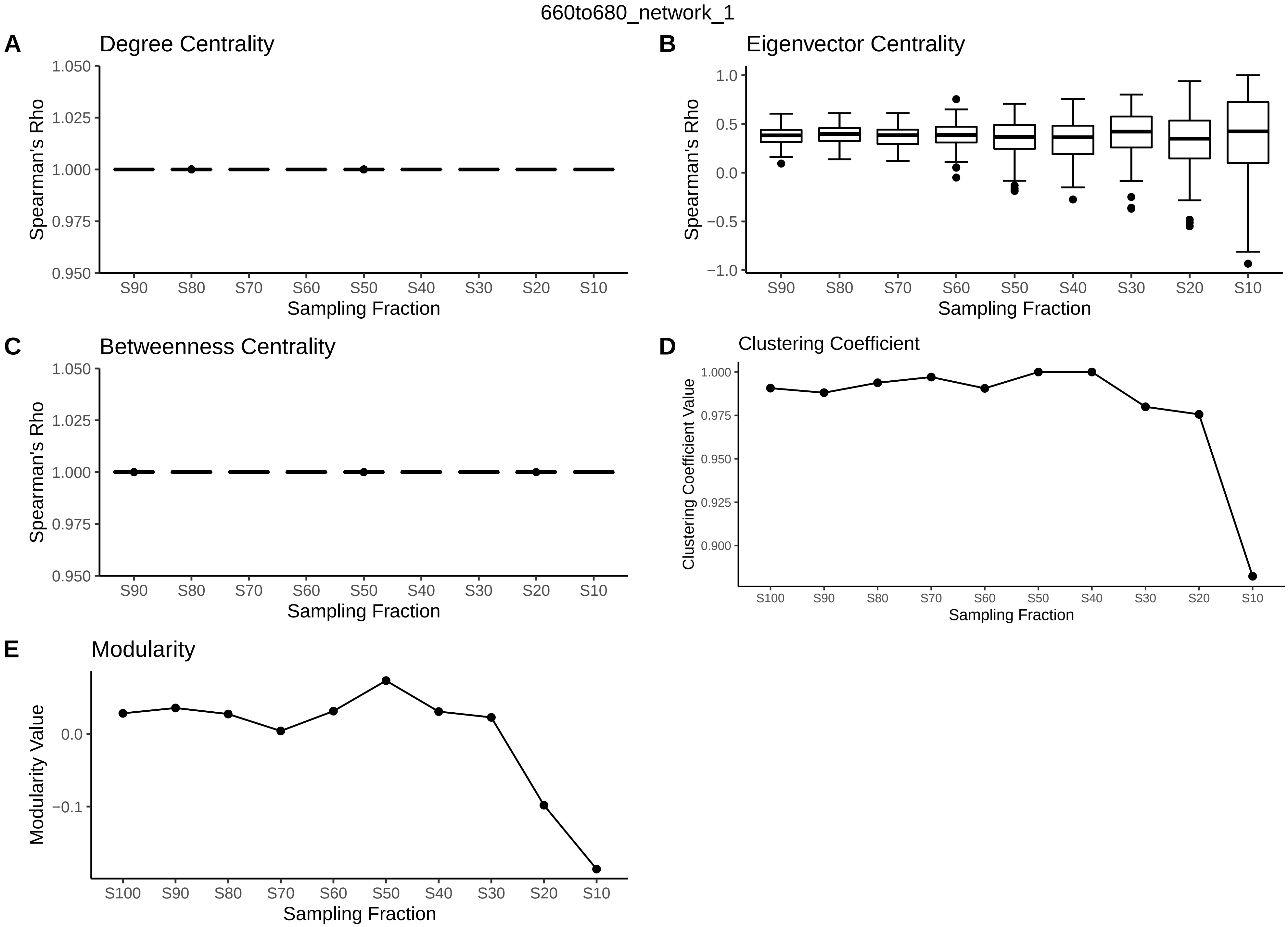

640to660_network_1
A
Degree Centrality
Spearman's Rho
1.0
0.5
0.0
−0.5
−1.0
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.5
0.0
−0.5
−1.0
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.050
1.025
1.000
0.975
0.950
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
1.00
0.99
0.98
0.97
0.96
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.2
0.0
−0.2
−0.4
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

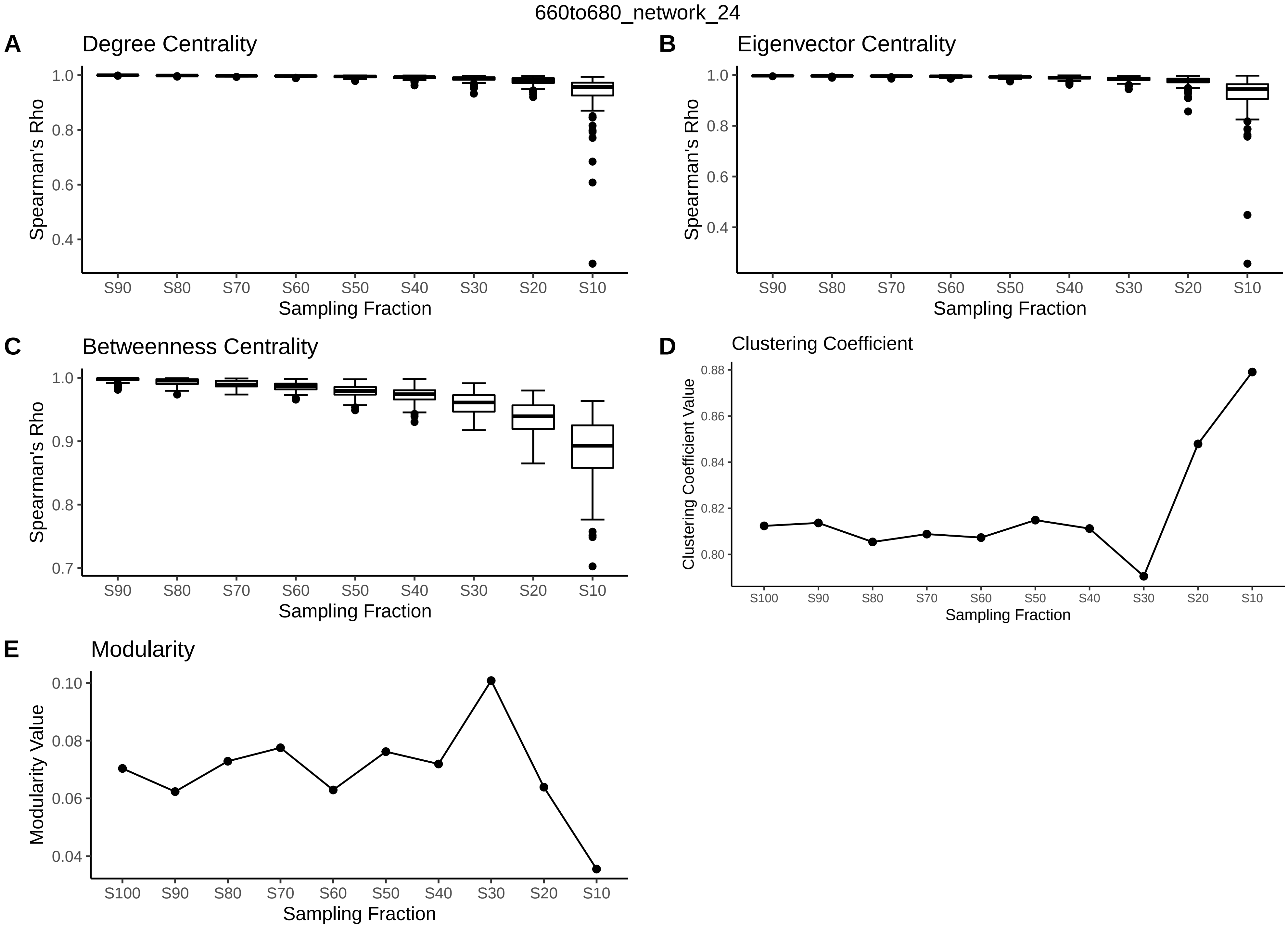
640to660_network_22

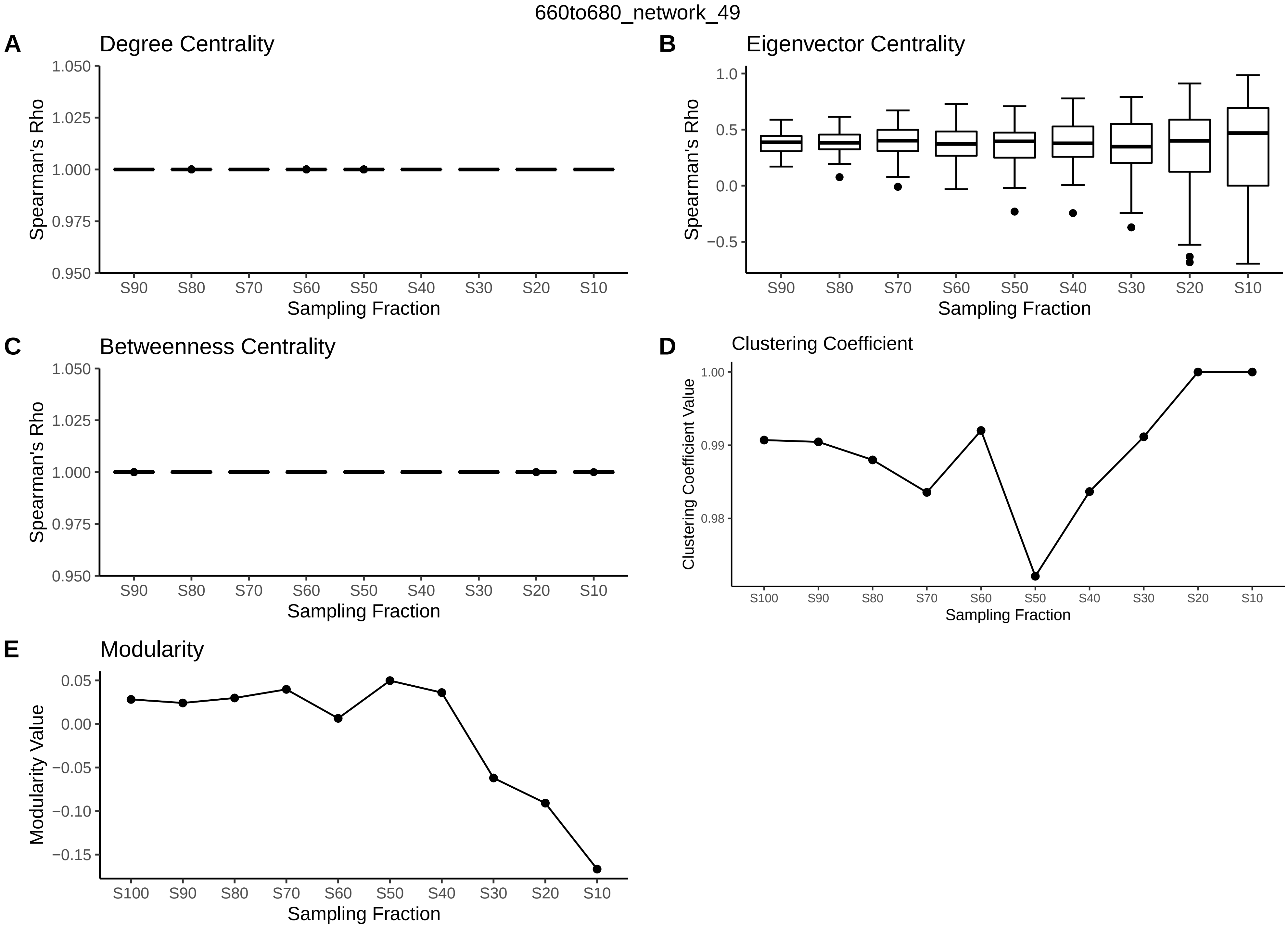


640to660_network_48

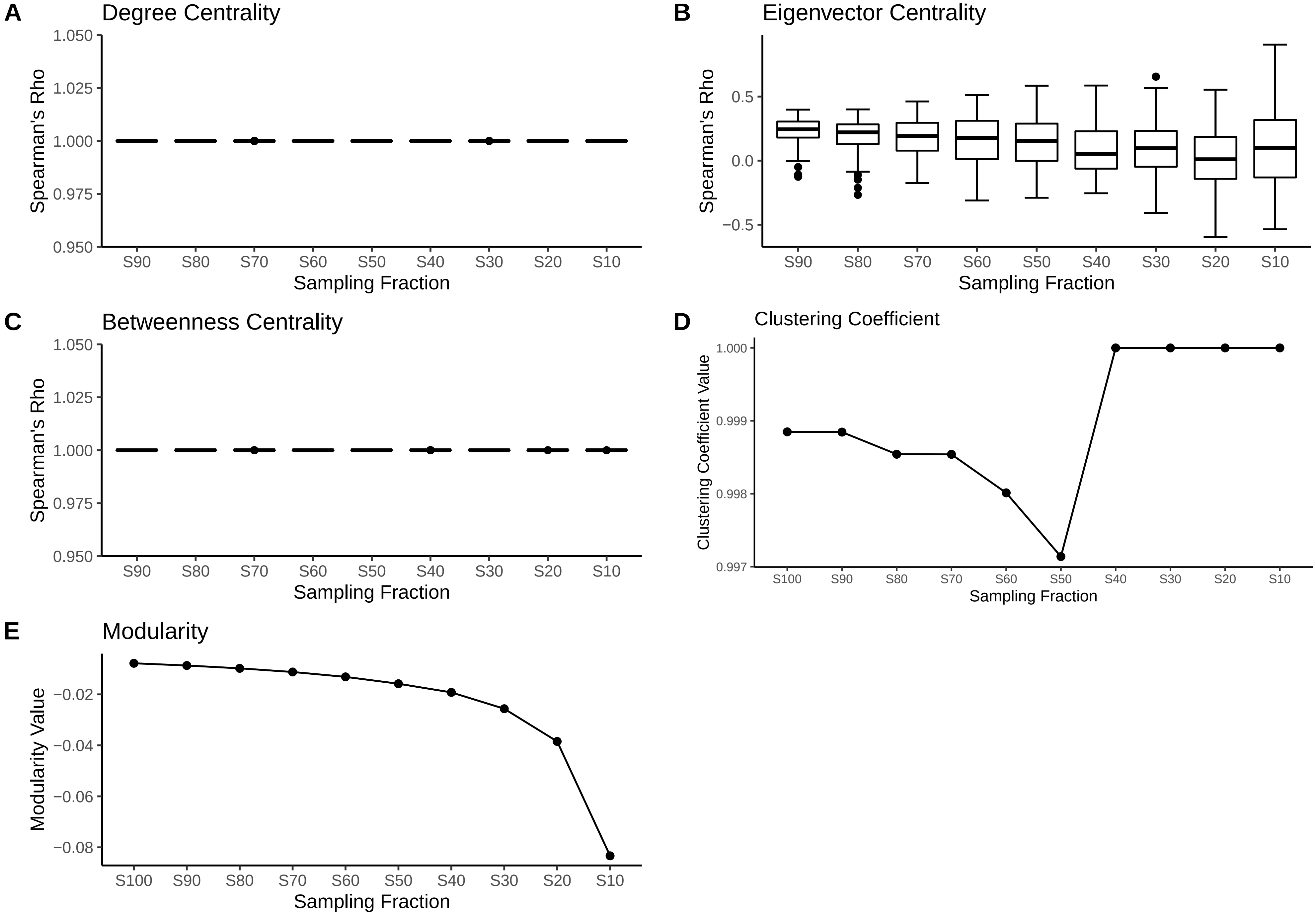


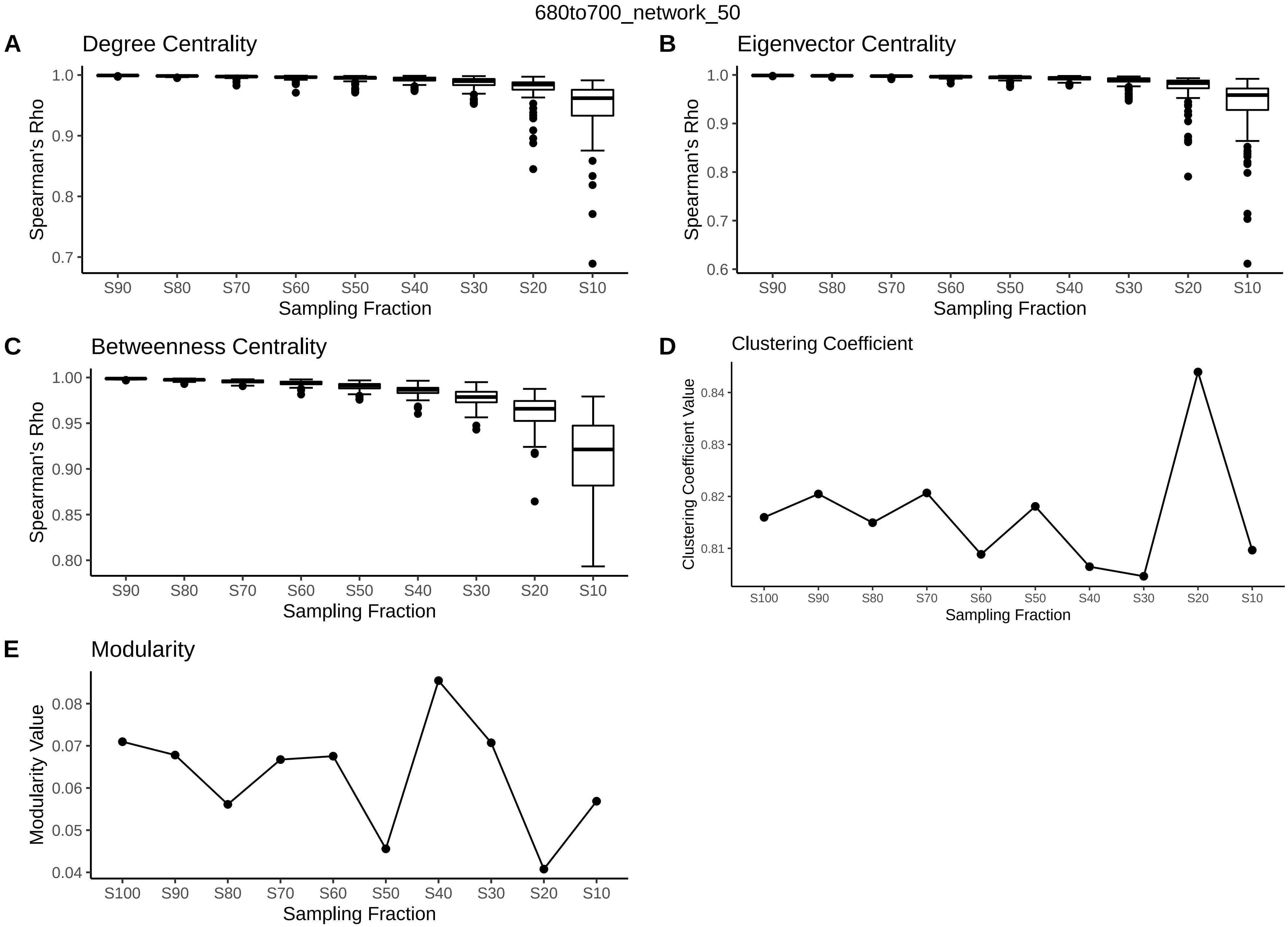

660to680_network_1
A
Degree Centrality
Spearman's Rho
1.050
1.025
1.000
0.975
0.950
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.5
0.0
−0.5
−1.0
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.050
1.025
1.000
0.975
0.950
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
1.000
0.975
0.950
0.925
0.900
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.0
−0.1
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

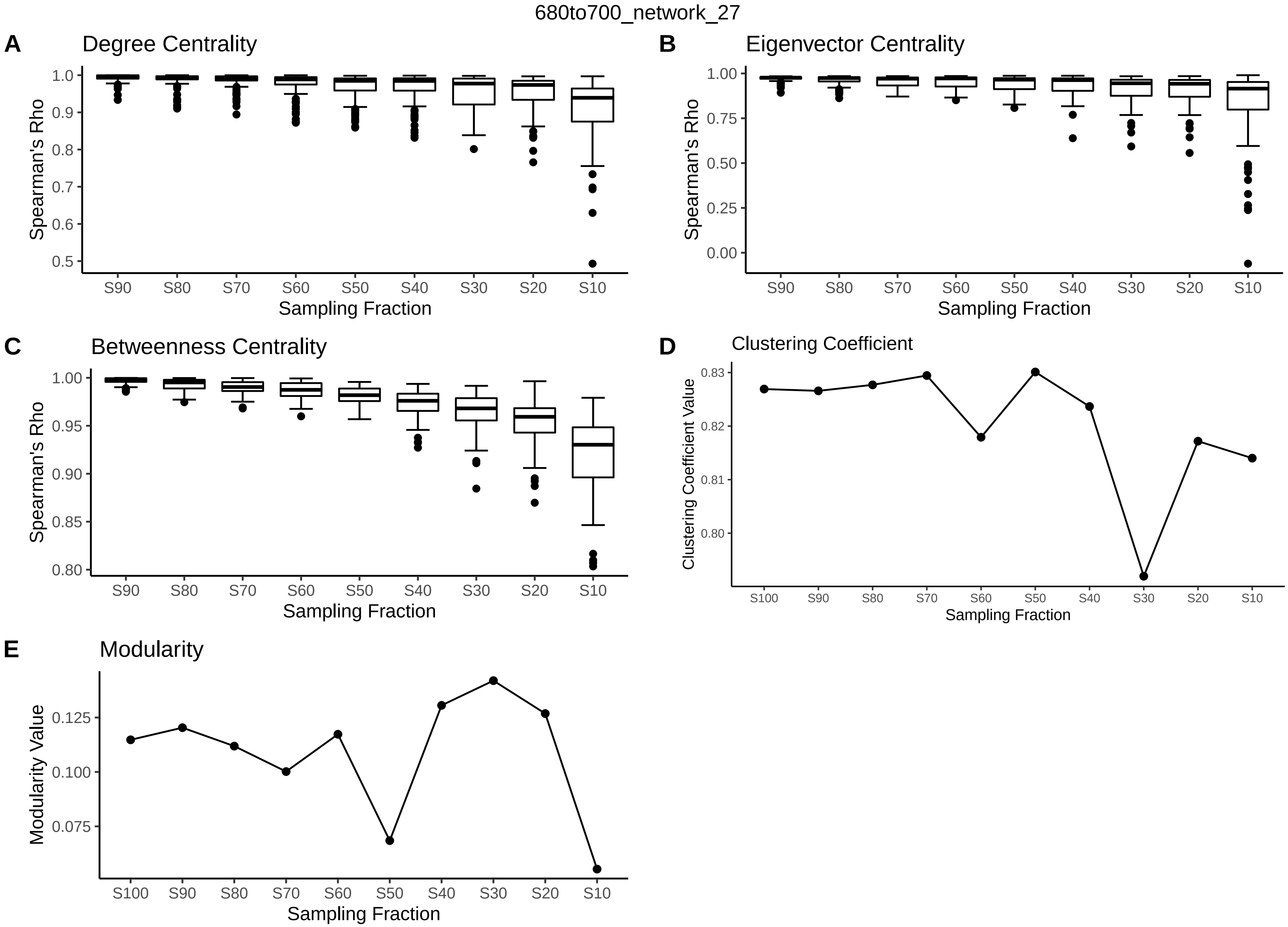

660to680_network_24
A
Degree Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90 S80 S70 S60 S50 S40 S30 S20 S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.8
0.6
0.4
S90 S80 S70 S60 S50 S40 S30 S20 S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
S90 S80 S70 S60 S50 S40 S30 S20 S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.88
0.86
0.84
0.82
0.80
S100 S90 S80 S70 S60 S50 S40 S30 S20 S10
Sampling Fraction
E
Modularity
Modularity Value
0.10
0.08
0.06
0.04
S100 S90 S80 S70 S60 S50 S40 S30 S20 S10
Sampling Fraction


660to680_network_49
A
Degree Centrality
Spearman's Rho
1.050
1.025
1.000
0.975
0.950
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.5
0.0
−0.5
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.050
1.025
1.000
0.975
0.950
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
1.00
0.99
0.98
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.05
0.00
−0.05
−0.10
−0.15
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction

680to700_network_1




680to700_network_50
A
Degree Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
0.6
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.00
0.95
0.90
0.85
0.80
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.84
0.83
0.82
0.81
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.08
0.07
0.06
0.05
0.04
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction


680to700_network_27
A
Degree Centrality
Spearman's Rho
1.0
0.9
0.8
0.7
0.6
0.5
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
B
Eigenvector Centrality
Spearman's Rho
1.00
0.75
0.50
0.25
0.00
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
C
Betweenness Centrality
Spearman's Rho
1.00
0.95
0.90
0.85
0.80
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
D
Clustering Coefficient
Clustering Coefficient Value
0.83
0.82
0.81
0.80
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction
E
Modularity
Modularity Value
0.125
0.100
0.075
S100
S90
S80
S70
S60
S50
S40
S30
S20
S10
Sampling Fraction