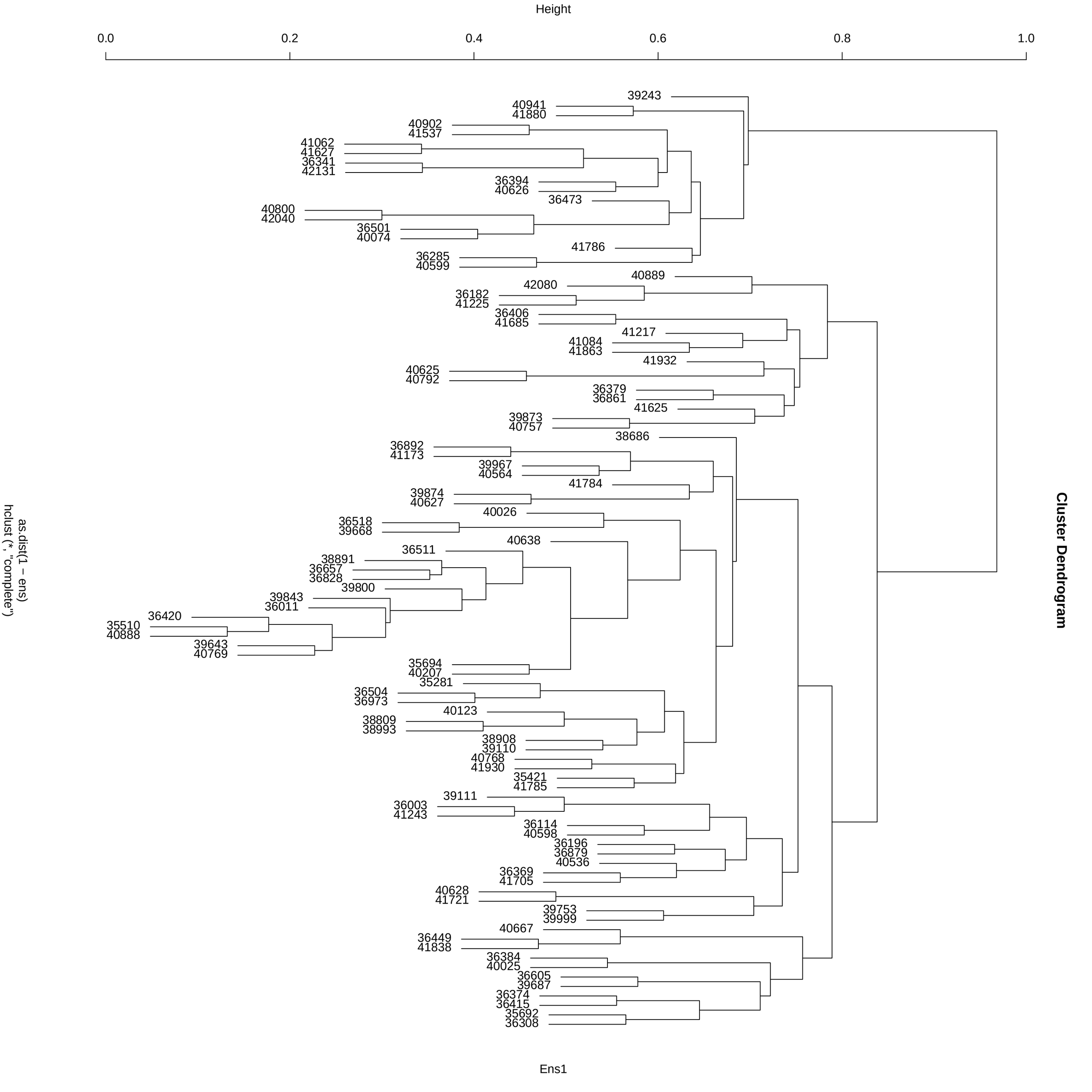
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0.8
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40902
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36341
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39753
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36449
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36605
39687
36374
36415
35692
36308
Ens1
as.dist(1 – ens)
hclust (*, "complete")
Cluster Dendrogram

Height

0.0 0.2 0.4 0.6 0.8 1.0

36605
39687
36308
36415
36892
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36473
40074
36501
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36114
41880
39753
41721
41932
36406
41685
40625
40792
39873
40757

hclust (*, "complete")
as.dist(1 – ens)

Ens2

Cluster Dendrogram

Height

0.0 0.2 0.4 0.6 0.8 1.0

36374
40792
36308
40625
36196
40598
35421
39111
36003
41243
40536
36369
41705
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41930
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41880
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36341
42131
40626
36394
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41627
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40667
36449
41838
40889
41784
39874
42080
36182
41225
39873
40757
36415
36605
39687

as.dist(1 – ens)
hclust (*, "complete")

Ens3

Cluster Dendrogram

Height

0.0 0.2 0.4 0.6 0.8 1.0

41062
36406
41786
41880
40941
42040
36285
40599
36341
42131
40626
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36394
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40667
36473
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39873
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41225
36182
42080
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41932
40536
36369
41705
39243
36449
41838
41785
41930

as.dist(1 – ens)
hclust (*, "complete")

Cluster Dendrogram

Ens4

Height

0.0 0.2 0.4 0.6 0.8 1.0

36420
41685
40768
40769
39643
39800
40207
36011
36973
39843
36828
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35510
40888
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39967
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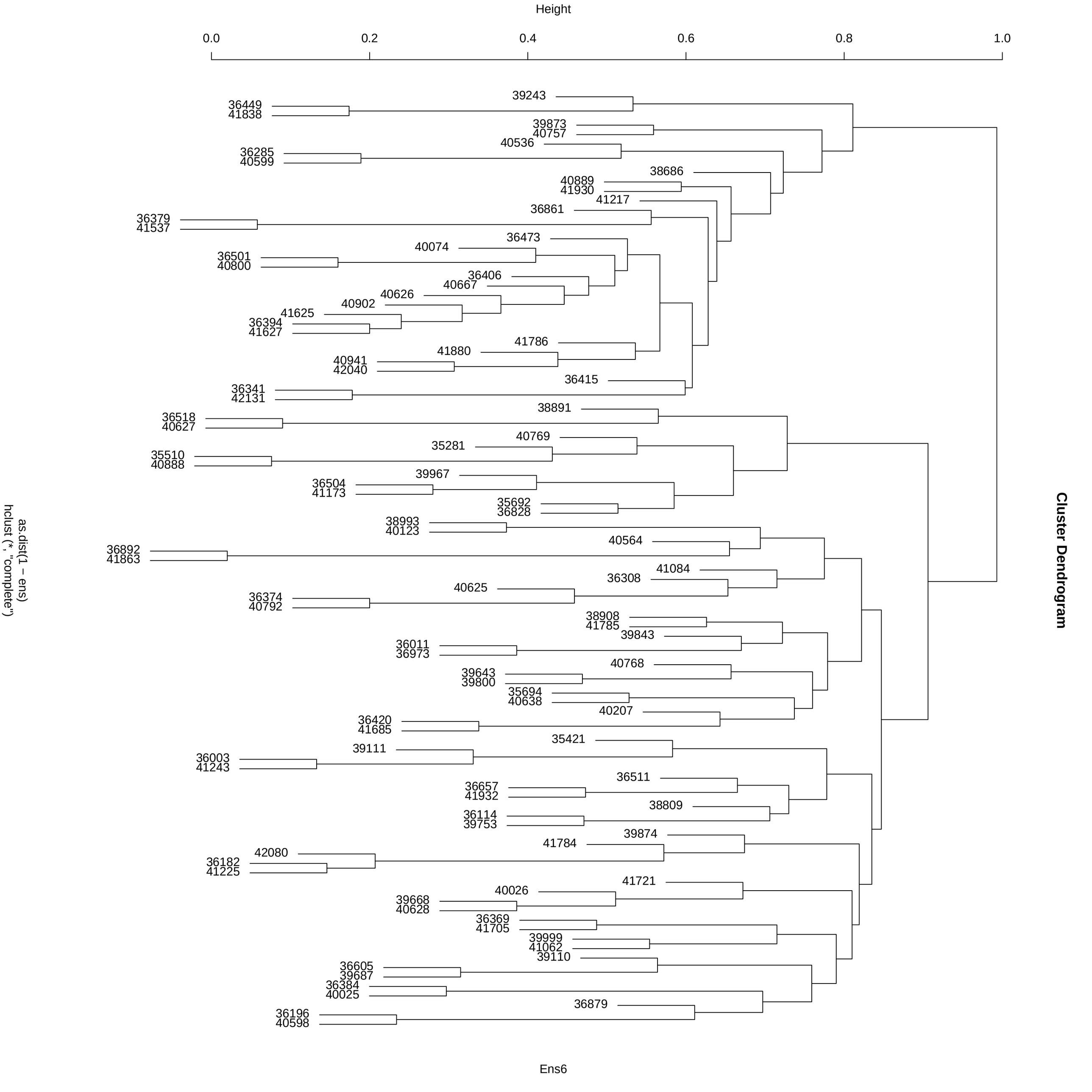
39873
40757
41784
41225
36182
42080

as.dist(1 – ens)
hclust (*, "complete")

Ens5

Cluster Dendrogram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39668
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36605
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40025
36879
36196
40598
Cluster Dendrogram
as.dist(1 – ens)
hclust (*, "complete")
Ens6

Height

0.0 0.2 0.4 0.6 0.8 1.0

36114
36473
39753
41084
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36892
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40564
38993
40123
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40792
36308
40625
36384
40025
36879
36196
40598

Ens7

as.dist(1 – ens)
hclust (*, "complete")

Cluster Dendrogram

Height

0.0 0.2 0.4 0.6 0.8 1.0

40536
36285
40599
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41217
36379
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36501
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39999
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36011
36973
39843
41785

Ens8

as.dist(1 – ens)
hclust (*, "complete")

Cluster Dendrogram

Height

0.0 0.2 0.4 0.6 0.8 1.0

36379
41537
38686
39874
36341
42131
40074
36501
40800
41880
40941
42040
41930
40889
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40667
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39687
39243
36449
41838

as.dist(1 – ens)
hclust (*, "complete")

Ens9

Cluster Dendrogram

Height

0.0 0.2 0.4 0.6 0.8 1.0

39999
41062
40769
39643
39800
38908
36369
41705
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40598
40026
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41785
36011
36973
40207
40768
36420
41685

Ens10

as.dist(1 – ens)
hclust (*, "complete")

Cluster Dendrogram

Height

0.0 0.2 0.4 0.6 0.8 1.0

36892
41863
36196
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39967
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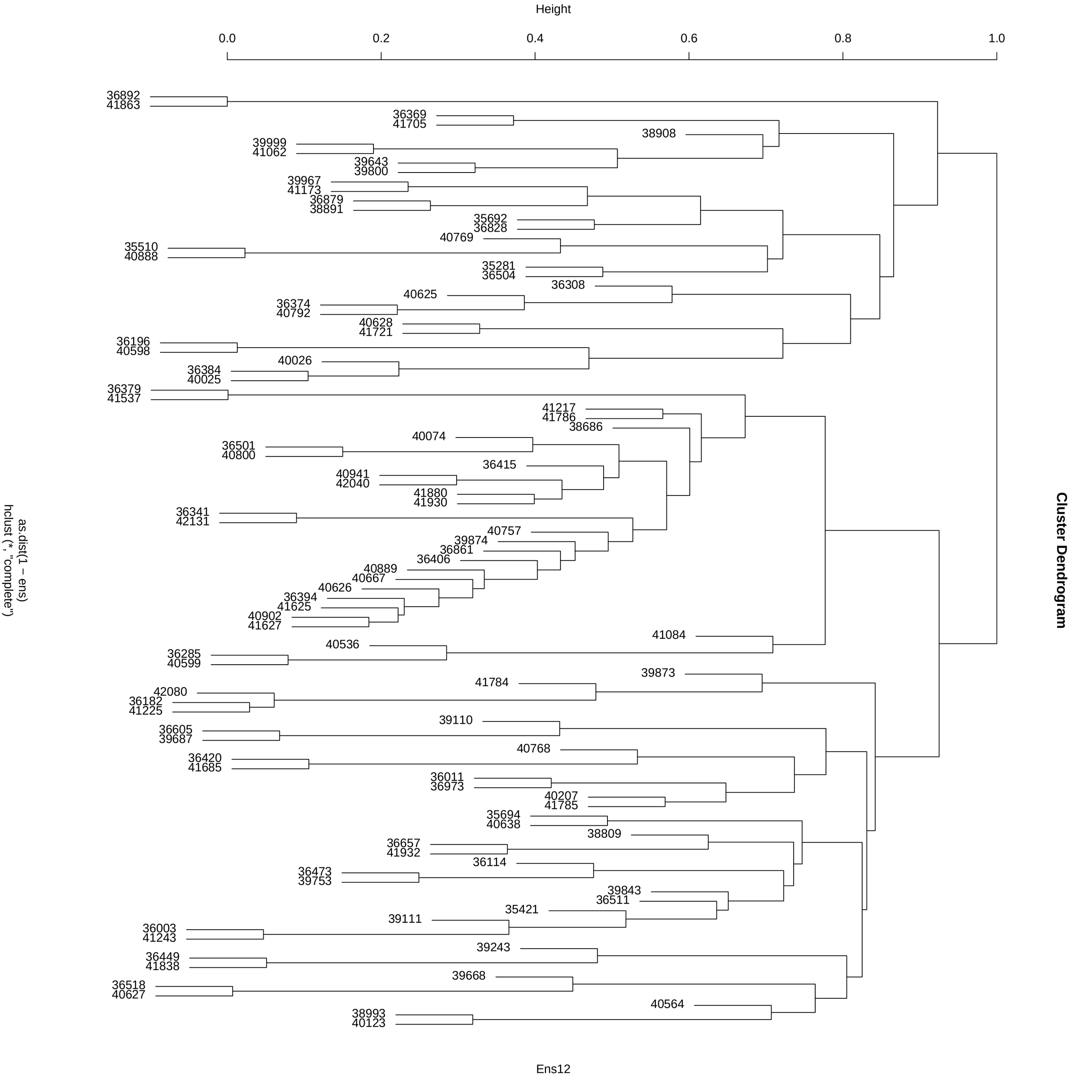
35421
39111
36003
41243

as.dist(1 – ens)
hclust (*, "complete")

Ens11

Cluster Dendrogram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36511
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39111
36003
41243
39243
36449
41838
39668
36518
40627
40564
38993
40123
as.dist(1 – ens)
hclust (*, "complete")
Ens12
Cluster Dendrogram

Height

0.0 0.2 0.4 0.6 0.8 1.0

36892
41863
36369
41705
38908
39999
41062
39643
39800
40625
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36973
39873
35694
40638
39110
36605
39687
40564
38993
40123

as.dist(1 – ens)
hclust (*, "complete")

Ens13

Cluster Dendrogram

Height

0.0 0.2 0.4 0.6 0.8 1.0

40536
36285
40599
36379
41537
36341
42131
41930
36415
36861
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36828
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38891
39967
41173
36369
41705
35692
36504
40769
35510
40888
39999
41062
39643
39800

as.dist(1 – ens)
hclust (*, "complete")

Ens14

Cluster Dendrogram

Height

0.0 0.2 0.4 0.6 0.8 1.0

36196
40598
40026
36384
40025
40769
35510
40888
36879
38891
39967
41173
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36828
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41863
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36511
39111
36003
41243

as.dist(1 – ens)
hclust (*, "complete")

Ens15

Cluster Dendrogram

Height

0.0 0.2 0.4 0.6 0.8 1.0

36196
40598
40026
36384
40025
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42040
40074
36501
40800

Ens16

as.dist(1 – ens)
hclust (*, "complete")

Cluster Dendrogram

Height

0.0 0.2 0.4 0.6 0.8 1.0

36196
40598
40026
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36828
36879
38891
39967
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35421
41785
38908
36657
41932

as.dist(1 – ens)
hclust (*, "complete")

Cluster Dendrogram

Ens17

Height

0.0 0.2 0.4 0.6 0.8 1.0

40769
35510
40888
39999
41062
39643
39800
36308
40625
36374
40792
36369
41705
36828
35692
36504
36196
40598
36879
38891
39967
41173
40026
36384
40025
40628
41721
41217
41786
40757
36406
36861
41930
41625
40889
40626
40667
36394
40902
41627
36341
42131
39874
36379
41537
36415
40941
41880
41084
40536
36285
40599
36892
41863
41784
42080
36182
41225
39243
36449
41838
36501
40800
40074
42040
39843
38686
35421
41785
36511
39111
36003
41243
38809
36114
36473
39753
40768
40207
36420
41685
39873
35694
40638
40564
38993
40123
39668
36518
40627
38908
36657
41932
39110
36605
39687
35281
36011
36973

as.dist(1 – ens)
hclust (*, "complete")

Cluster Dendrogram

Ens18

Height

0.0 0.2 0.4 0.6 0.8 1.0

41217
40941
42040
40074
36501
40800
36341
42131
36415
36379
41537
36861
41930
41880
41625
40626
40902
40889
40667
36394
41627
36406
39874
40768
41786
41084
40536
36285
40599
41784
42080
36182
41225
39873
40757
39243
36449
41838
40564
38993
40123
35694
40638
38686
39843
35421
41785
36511
39111
36003
41243
38809
36114
36473
39753
39668
36518
40627
38908
36657
41932
39110
36605
39687
40207
36420
41685
35281
36011
36973
36892
41863
39999
41062
39643
39800
40769
35510
40888
36369
41705
35692
36504
36828
36196
40598
36879
38891
39967
41173
36374
40792
36308
40625
40026
36384
40025
40628
41721

as.dist(1 – ens)
hclust (*, "complete")

Ens19

Cluster Dendrogram

Height

0.0 0.2 0.4 0.6 0.8 1.0

36369
41705
35692
36504
40769
35510
40888
39999
41062
39643
39800
36828
36196
40598
36879
38891
39967
41173
36374
40792
36308
40625
40026
36384
40025
40628
41721
40757
36341
42131
36406
39874
36861
41930
41880
41625
40626
40889
40667
36394
40902
41627
36415
36379
41537
41217
41786
40768
40941
42040
40074
36501
40800
41084
40536
36285
40599
36892
41863
36511
39843
38686
35421
41785
39111
36003
41243
38809
36114
36473
39753
40564
38993
40123
40207
36420
41685
35281
36011
36973
39110
36605
39687
36657
41932
38908
39668
36518
40627
39243
36449
41838
41784
42080
36182
41225
40638
35694
39873

Ens20

as.dist(1 – ens)
hclust (*, "complete")

Cluster Dendrogram

Height

0.0 0.2 0.4 0.6 0.8 1.0

36196
40598
36879
38891
39967
41173
40769
35510
40888
36828
35692
36504
36657
41932
39999
41062
39643
39800
41784
42080
36182
41225
39873
35694
40638
40536
36285
40599
36369
41705
40026
36384
40025
40628
41721
41084
36374
40792
36308
40625
40768
40941
41786
36415
36341
42131
36406
39874
40757
36379
41537
36861
41930
41880
41625
40626
36394
40902
41627
40667
40889
36892
41863
40564
38993
40123
39243
36449
41838
39668
36518
40627
38908
39110
36605
39687
40207
36420
41685
35281
36011
36973
38686
39843
35421
41785
41217
36501
40800
40074
42040
36511
39111
36003
41243
38809
36114
36473
39753

as.dist(1 – ens)
hclust (*, "complete")

Ens21

Cluster Dendrogram

Height

0.0 0.2 0.4 0.6 0.8 1.0

41786
40768
36415
36861
39874
36406
41930
40626
36394
40902
41627
40667
40889
41625
41880
36341
42131
40757
36379
41537
39668
36518
40627
40207
36420
41685
35281
36011
36973
38908
39110
36605
39687
36657
41932
39843
38686
35421
41785
41217
36501
40800
40941
40074
42040
35694
40638
36511
39111
36003
41243
38809
36114
36473
39753
39243
36449
41838
39873
41784
42080
36182
41225
36892
41863
40564
38993
40123
40769
35510
40888
39999
41062
39643
39800
36308
40625
36374
40792
36828
35692
36504
41084
40536
36285
40599
36369
41705
36196
40598
41173
39967
36879
38891
40026
36384
40025
40628
41721

as.dist(1 – ens)
hclust (*, "complete")

Cluster Dendrogram

Ens22

Height

0.0 0.2 0.4 0.6 0.8 1.0

36415
36861
41625
40626
36394
40902
40889
40667
41627
41880
41930
36406
39874
40768
36341
42131
41786
41217
36379
41537
41784
42080
36182
41225
39873
40757
35694
40638
40074
36501
40800
39843
35421
41785
38686
40941
42040
36511
39111
36003
41243
38809
36114
36473
39753
39668
36518
40627
38908
36657
41932
39110
36605
39687
40207
36420
41685
35281
36011
36973
36196
40598
36879
38891
39967
41173
40536
36285
40599
36369
41705
36892
41863
40564
38993
40123
40026
36384
40025
40628
41721
41084
36374
40792
36308
40625
39243
36449
41838
40769
35510
40888
39999
41062
39643
39800
36828
35692
36504

as.dist(1 – ens)
hclust (*, "complete")

Ens23

Cluster Dendrogram

Height

0.0 0.2 0.4 0.6 0.8 1.0

40941
41786
36341
42131
40768
36415
36379
41537
36406
39874
36861
41930
41880
41625
36394
40626
40889
40667
40902
41627
41084
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36285
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41784
42080
36182
41225
39873
40757
39243
36449
41838
39668
36518
40627
40207
36420
41685
35281
36011
36973
38908
36657
41932
39110
36605
39687
36511
39111
36003
41243
38809
36114
36473
39753
35694
40638
38686
39843
35421
41785
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36501
40800
40074
42040
36196
40598
41173
39967
36879
38891
36374
40792
36308
40625
40026
36384
40025
40628
41721
40769
35510
40888
39999
41062
39643
39800
36828
36369
41705
35692
36504
36892
41863
40564
38993
40123

as.dist(1 – ens)
hclust (*, "complete")

Ens24

Cluster Dendrogram

Height

0.0 0.2 0.4 0.6 0.8 1.0

41084
40536
36285
40599
41786
36341
42131
40768
40941
42040
39874
36415
36379
41537
36861
41930
40626
40889
36394
40667
40902
41627
41625
41880
39243
36406
40757
39873
41784
42080
36182
41225
38686
39843
35421
41785
41217
40074
36501
40800
36511
39111
36003
41243
38809
36114
36473
39753
36196
40598
41173
39967
36879
38891
36828
40769
35510
40888
36369
41705
35692
36504
36892
41863
40026
36384
40025
40628
41721
38908
36657
41932
39999
41062
39643
39800
40564
36374
40792
36308
40625
38993
40123
39668
36518
40627
35694
40638
36449
41838
39110
36605
39687
40207
36420
41685
35281
36011
36973

as.dist(1 – ens)
hclust (*, "complete")

Ens25

Cluster Dendrogram

Height

0.0 0.2 0.4 0.6 0.8 1.0

40536
36285
40599
41217
41786
36341
42131
36415
40768
40757
36379
41537
36861
41625
40626
40889
40667
36394
40902
41627
41880
41930
36406
39874
39873
41784
42080
36182
41225
39243
36449
41838
35694
40638
36501
40800
40941
40074
42040
39843
38686
35421
41785
36114
36473
39753
36511
39111
36003
41243
40026
36384
40025
40628
41721
36196
40598
36879
38891
39967
41173
40564
35692
36828
40769
35510
40888
39999
41062
39643
39800
36504
36369
41705
36892
41863
41084
36374
40792
36308
40625
38908
38993
40123
39668
36518
40627
40207
36420
41685
35281
36011
36973
39110
36605
39687
38809
36657
41932

as.dist(1 – ens)
hclust (*, "complete")

Ens26

Cluster Dendrogram

Height

0.0 0.2 0.4 0.6 0.8 1.0

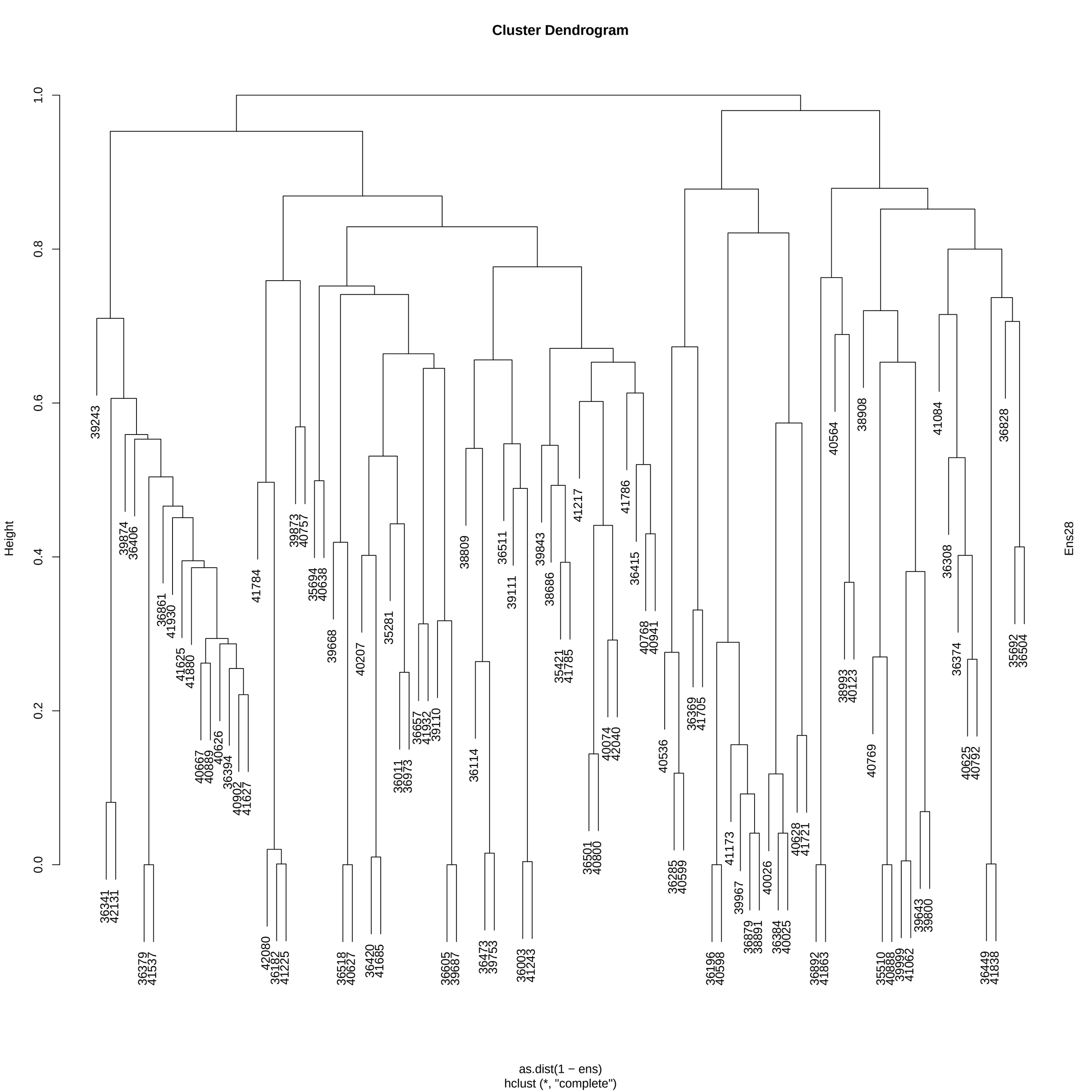
40536
36285
40599
39243
40757
41217
41786
40768
40941
36415
36379
41537
36341
42131
39874
36406
36861
41930
41880
41625
40626
40667
36394
40889
40902
41627
41784
42080
36182
41225
35694
39873
36501
40800
40074
42040
39843
38686
35421
41785
38809
36114
36473
39753
36511
39111
36003
41243
40564
38993
40123
36449
41838
40207
36420
41685
35281
36011
36973
39668
36518
40627
36657
41932
39110
36605
39687
36196
40598
41173
39967
36879
38891
36828
36369
41705
36892
41863
38908
40769
35510
40888
39999
41062
39643
39800
40026
36384
40025
40628
41721
40638
35692
36504
41084
36374
40792
36308
40625

hclust (*, "complete")
as.dist(1 – ens)

Ens27

Cluster Dendrogram

Cluster Dendrogram



Height

0.0 0.2 0.4 0.6 0.8 1.0

40536
36285
40599
39243
41786
40757
36406
36379
41537
36861
41930
41880
41625
40626
40889
40667
41627
36394
40902
36341
42131
39874
36415
40768
40941
39873
41784
42080
36182
41225
41217
36501
40800
40074
42040
39843
38686
35421
41785
36511
39111
36003
41243
38809
36114
36473
39753
36657
41932
39110
36605
39687
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41838
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36420
41685
35281
36011
36973
35694
40638
38908
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36518
40627
36196
40598
36879
38891
39967
41173
40026
36384
40025
40628
41721
40769
35510
40888
39999
41062
39643
39800
36828
36369
41705
35692
36504
40625
36374
40792
36308
41084
36892
41863
40564
38993
40123

as.dist(1 – ens)
hclust (*, "complete")

Cluster Dendrogram

Ens29

Height

0.0 0.2 0.4 0.6 0.8 1.0

39243
40757
36379
41537
36861
41930
40889
40902
40667
41627
36394
40626
41625
41880
36406
39874
36341
42131
36415
40768
40941
35694
40638
41217
41786
36501
40800
40074
42040
38686
39843
35421
41785
36511
39111
36003
41243
38809
36114
36473
39753
40769
35510
40888
39999
41062
39643
39800
40564
36828
36449
41838
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36504
36892
41863
41084
36308
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36374
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41932
40207
36420
41685
35281
36011
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38993
40123
39668
36518
40627
36196
40598
41173
39967
36879
38891
40026
36384
40025
40628
41721
40536
36285
40599
36369
41705
39873
41784
42080
36182
41225

as.dist(1 – ens)
hclust (*, "complete")

Ens30

Cluster Dendrogram