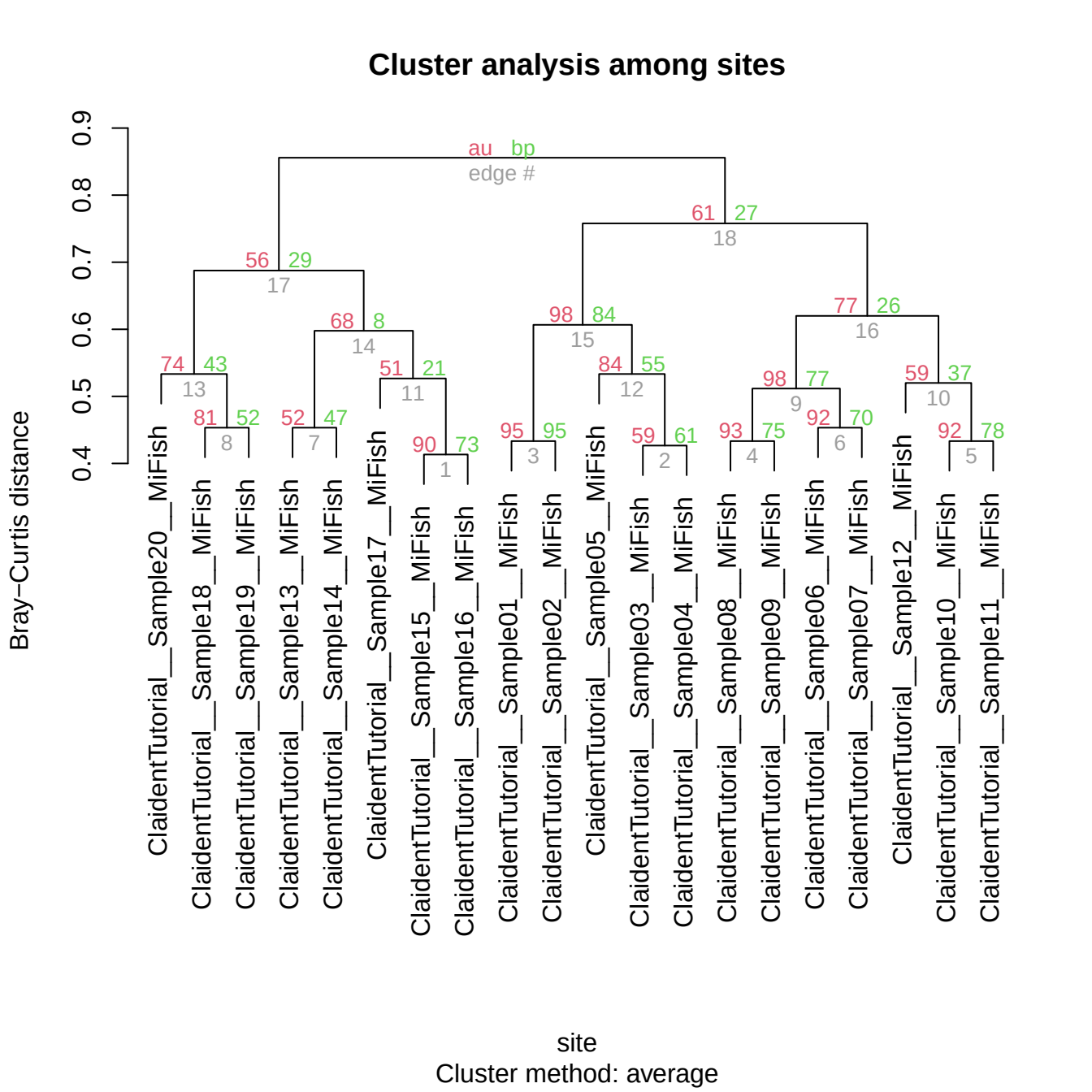
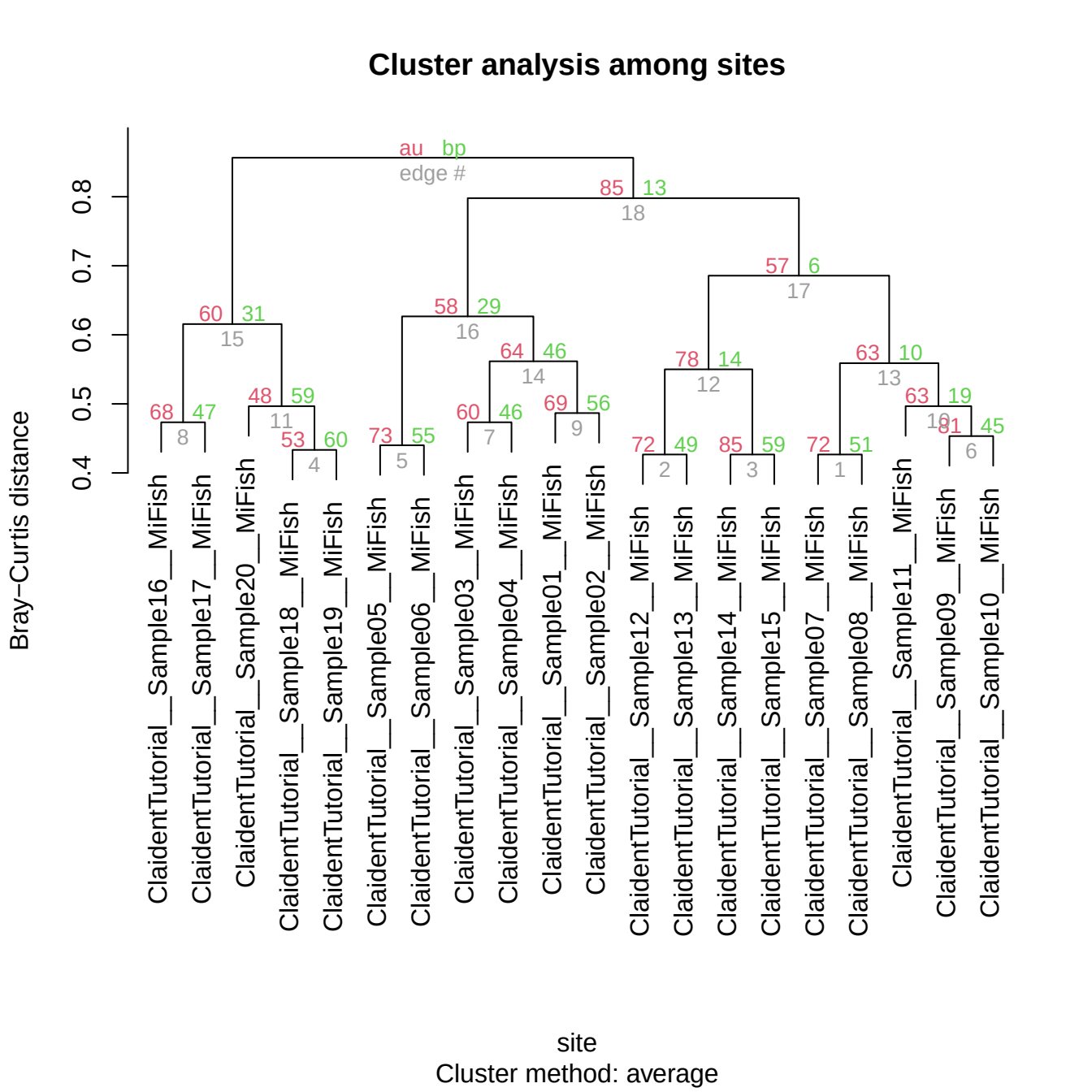
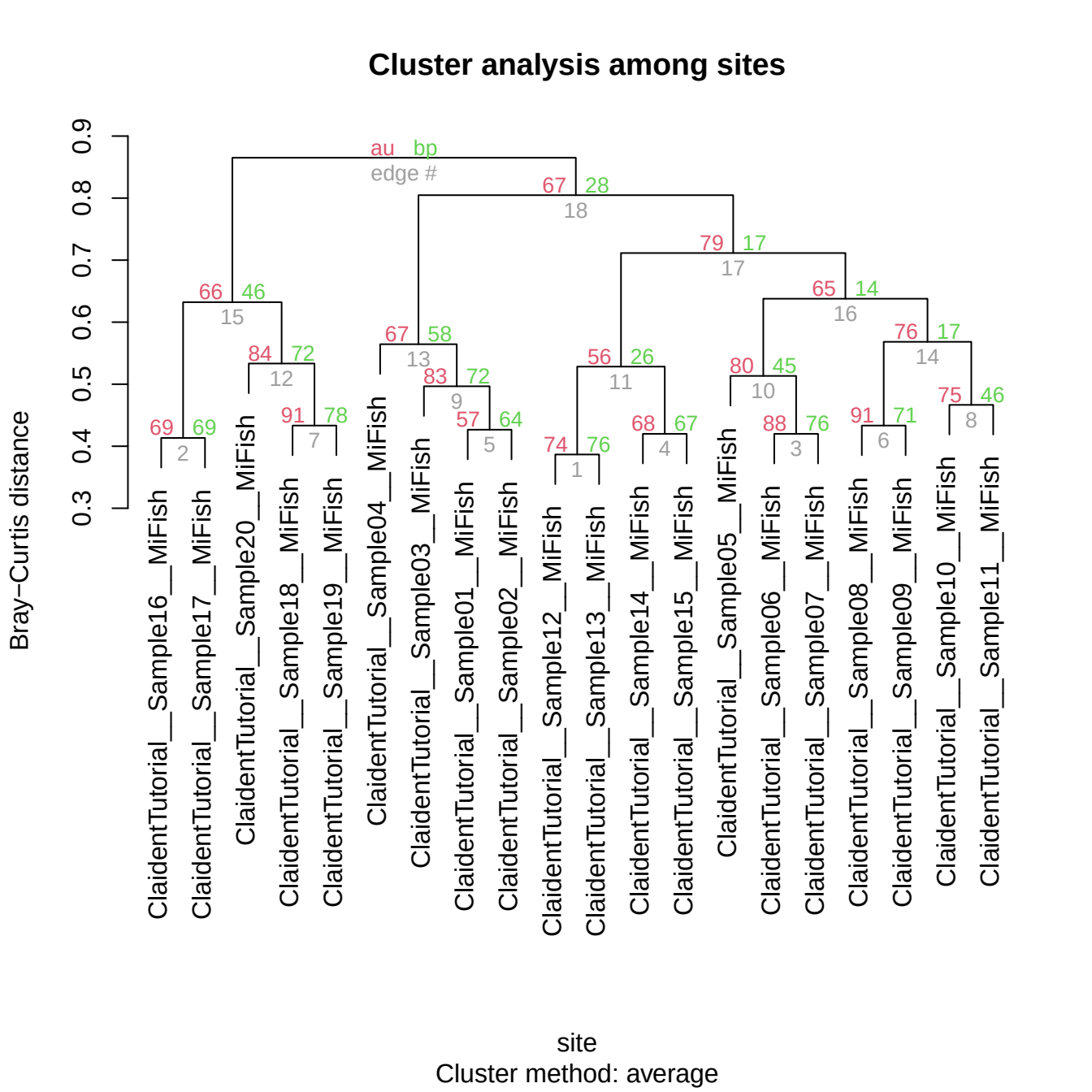
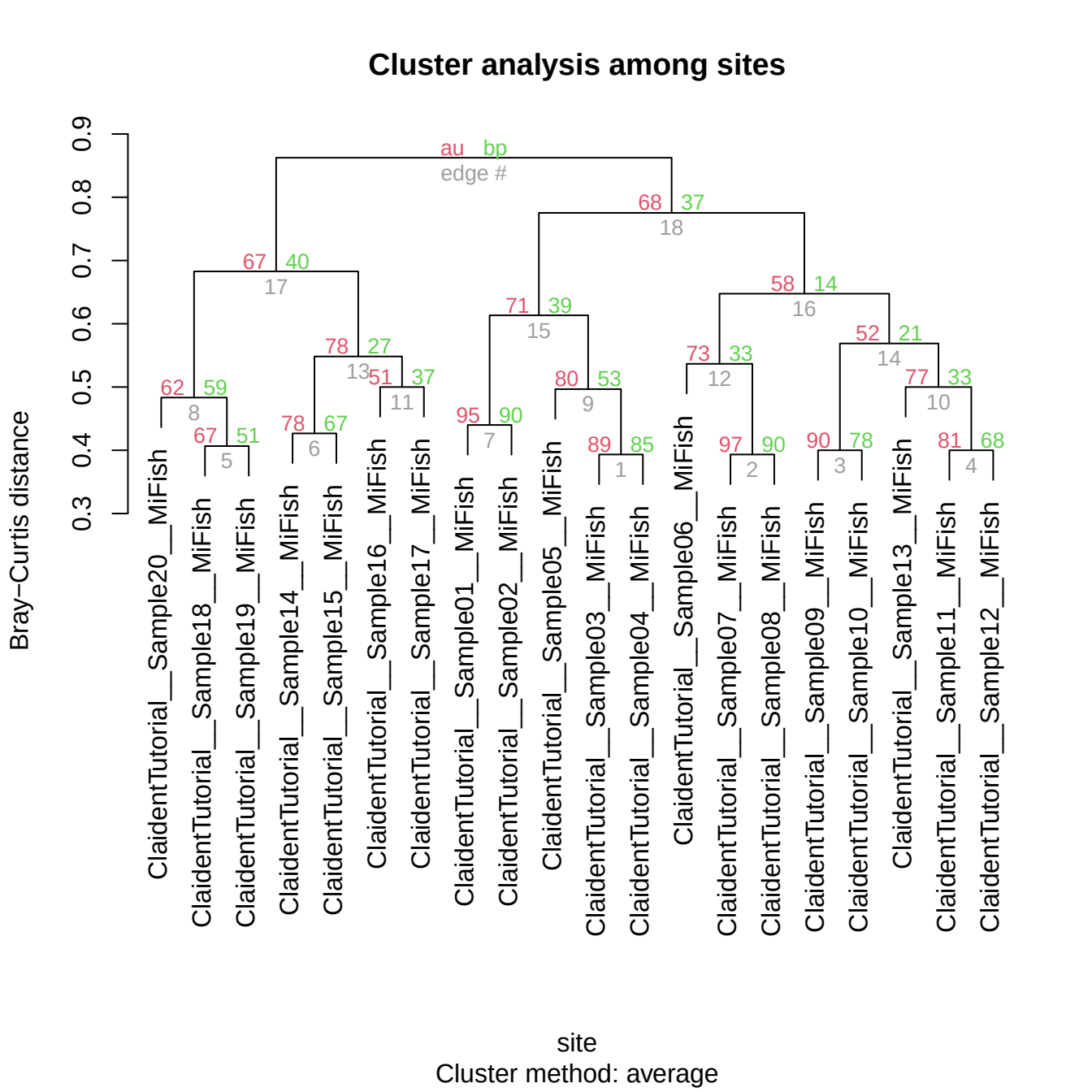
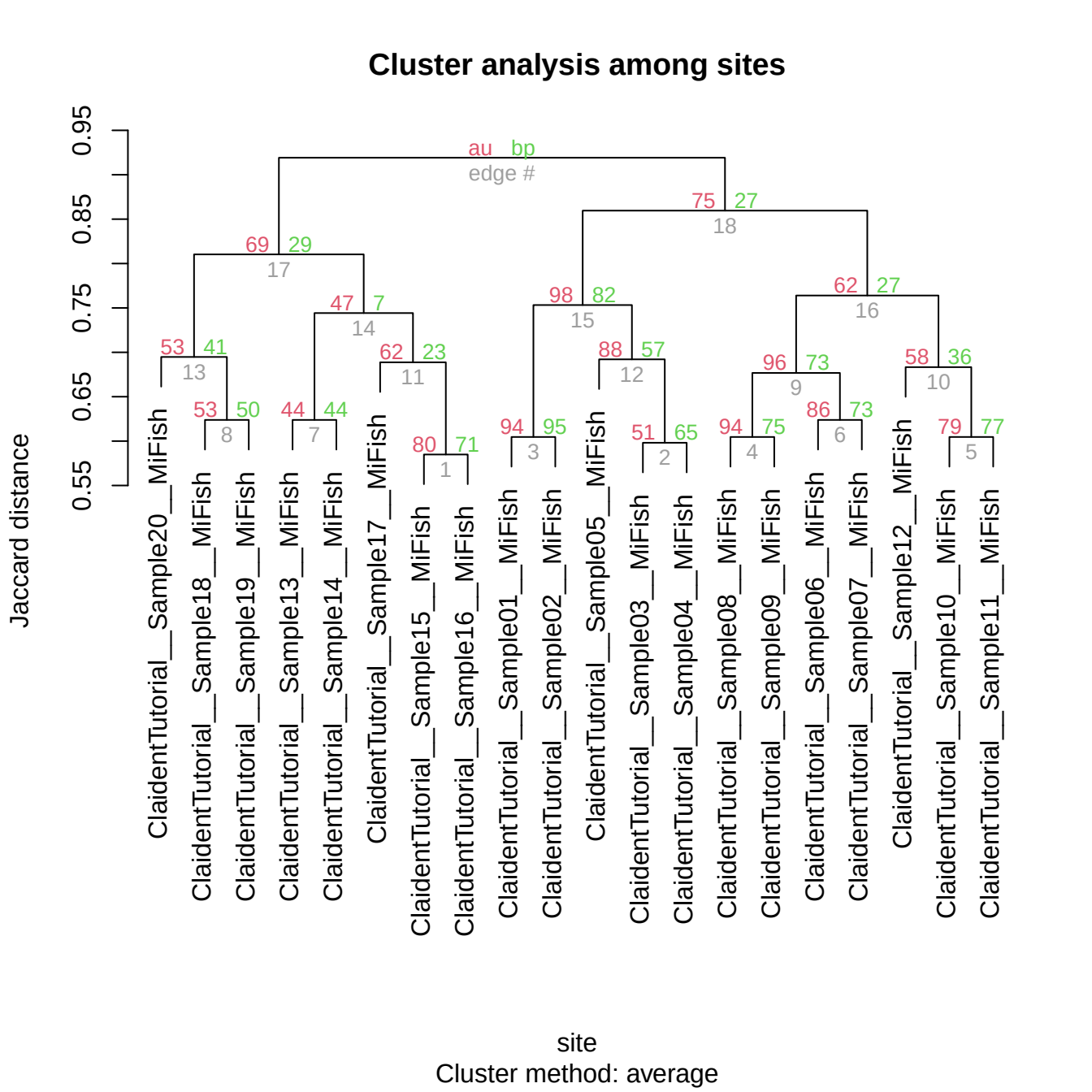
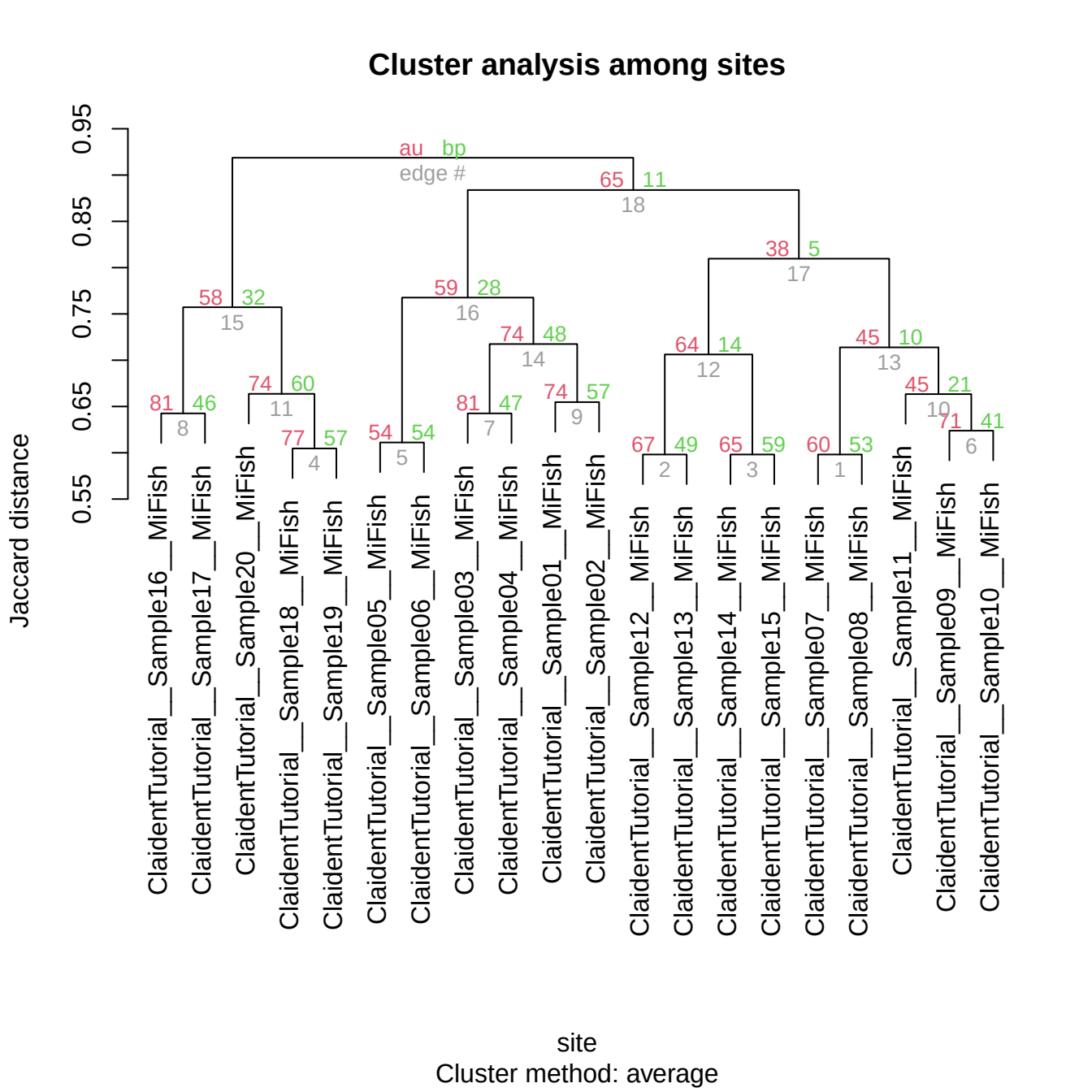

Cluster analysis among sites
Bray−Curtis distance
0.4
0.5
0.6
0.7
0.8
0.9
au bp
edge #
61 27
18
56 29
17
98 84
15
77 26
16
68 8
14
84 55
12
98 77
9
59 37
10
74 43
13
51 21
11
95 95
3
59 61
2
93 75
4
92 70
6
92 78
5
81 52
8
52 47
7
90 73
1
ClaidentTutorial__Sample20__MiFish
ClaidentTutorial__Sample18__MiFish
ClaidentTutorial__Sample19__MiFish
ClaidentTutorial__Sample13__MiFish
ClaidentTutorial__Sample14__MiFish
ClaidentTutorial__Sample17__MiFish
ClaidentTutorial__Sample15__MiFish
ClaidentTutorial__Sample16__MiFish
ClaidentTutorial__Sample01__MiFish
ClaidentTutorial__Sample02__MiFish
ClaidentTutorial__Sample05__MiFish
ClaidentTutorial__Sample03__MiFish
ClaidentTutorial__Sample04__MiFish
ClaidentTutorial__Sample08__MiFish
ClaidentTutorial__Sample09__MiFish
ClaidentTutorial__Sample06__MiFish
ClaidentTutorial__Sample07__MiFish
ClaidentTutorial__Sample12__MiFish
ClaidentTutorial__Sample10__MiFish
ClaidentTutorial__Sample11__MiFish
site
Cluster method: average

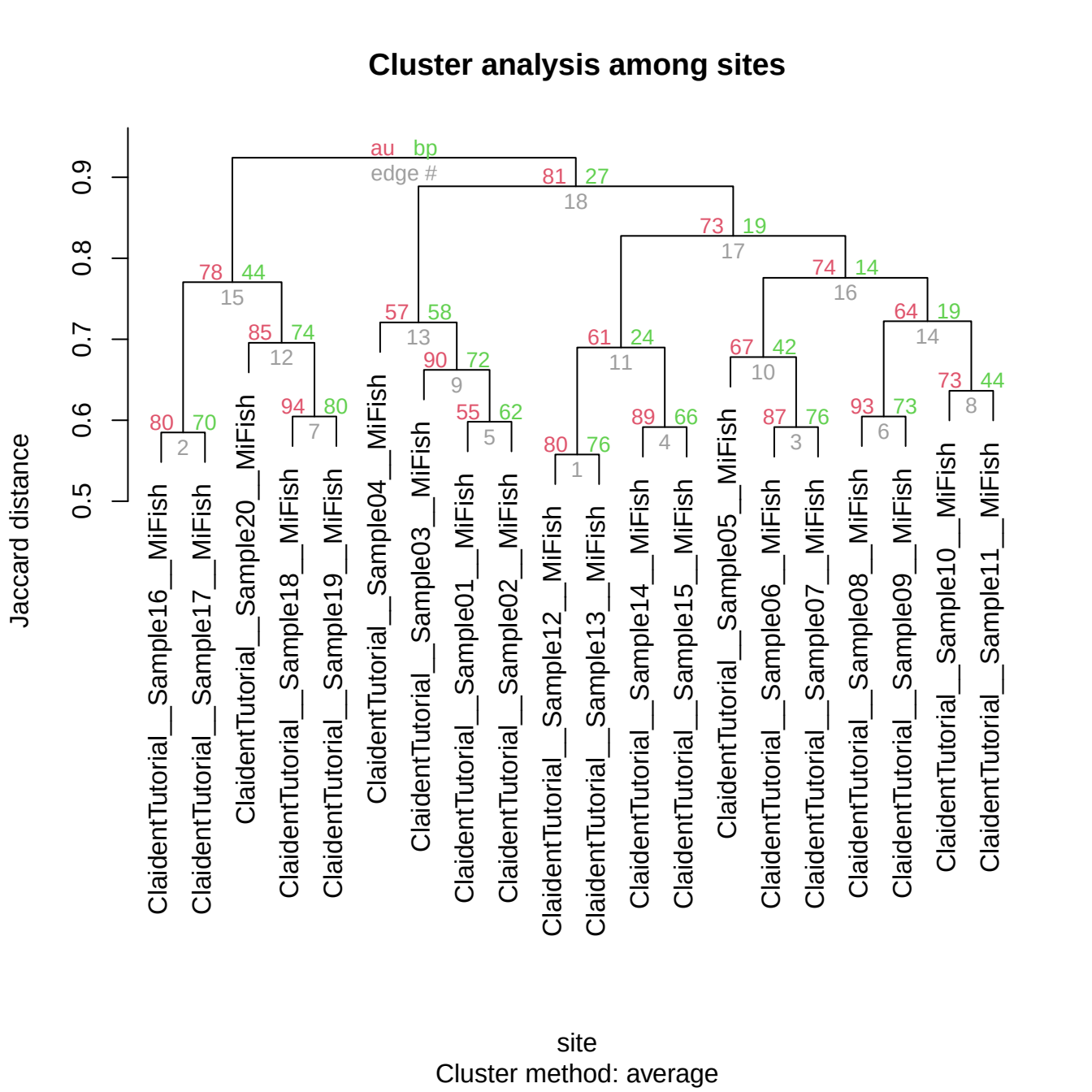

Cluster analysis among sites
au bp
edge #
85 13
18
57 6
17
58 29
16
60 31
15
78 14
12
64 46
14
63 10
13
68 47
8
48 59
11
60 46
7
69 56
9
72 49
2
85 59
3
72 51
1
63 19
10
73 55
5
53 60
4
81 45
6
0.4
0.5
0.6
0.7
0.8
Bray−Curtis distance
ClaidentTutorial__Sample16__MiFish
ClaidentTutorial__Sample17__MiFish
ClaidentTutorial__Sample20__MiFish
ClaidentTutorial__Sample18__MiFish
ClaidentTutorial__Sample19__MiFish
ClaidentTutorial__Sample05__MiFish
ClaidentTutorial__Sample06__MiFish
ClaidentTutorial__Sample03__MiFish
ClaidentTutorial__Sample04__MiFish
ClaidentTutorial__Sample01__MiFish
ClaidentTutorial__Sample02__MiFish
ClaidentTutorial__Sample12__MiFish
ClaidentTutorial__Sample13__MiFish
ClaidentTutorial__Sample14__MiFish
ClaidentTutorial__Sample15__MiFish
ClaidentTutorial__Sample07__MiFish
ClaidentTutorial__Sample08__MiFish
ClaidentTutorial__Sample11__MiFish
ClaidentTutorial__Sample09__MiFish
ClaidentTutorial__Sample10__MiFish
site
Cluster method: average

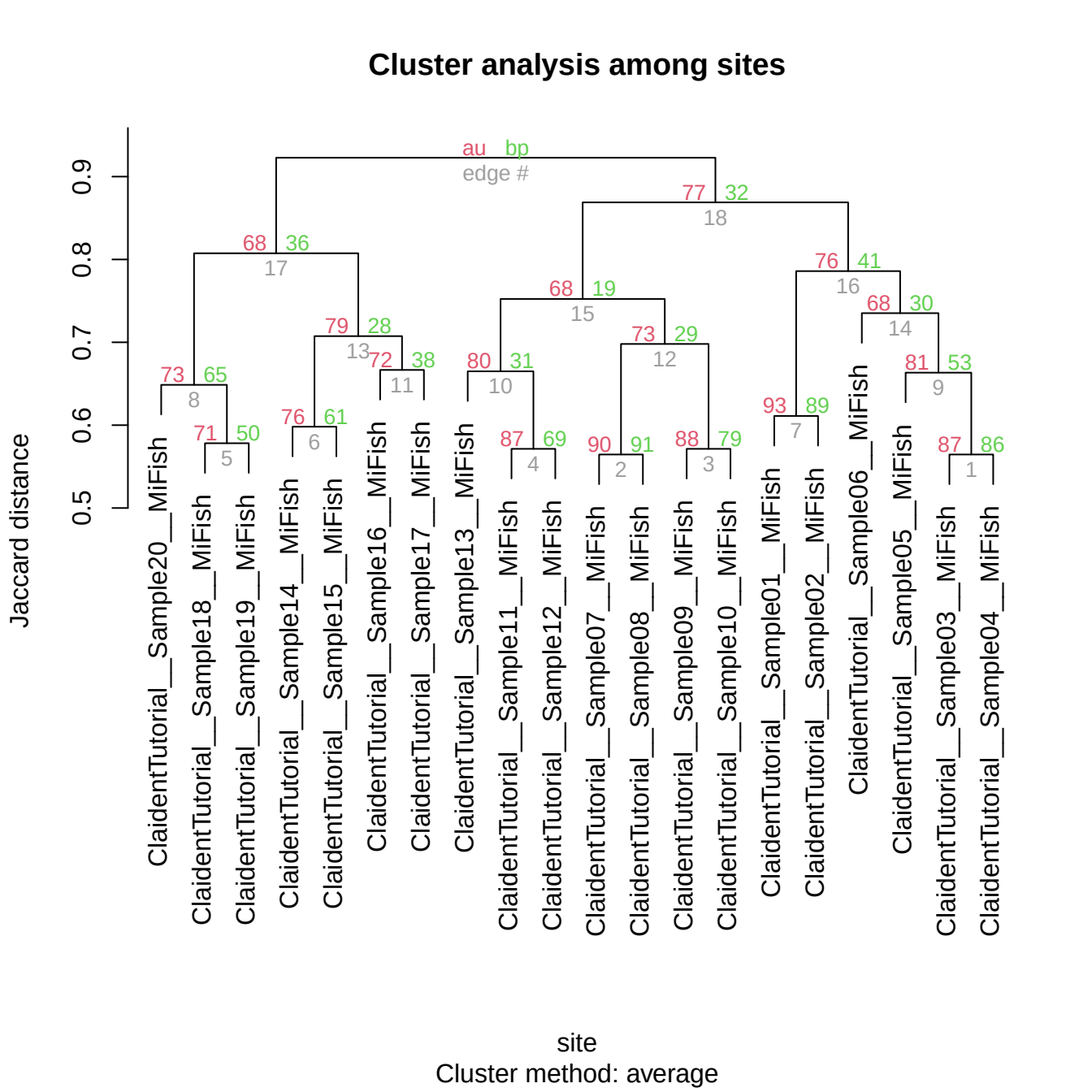

Cluster analysis among sites
Bray–Curtis distance
0.3
0.4
0.5
0.6
0.7
0.8
0.9
au bp
edge #
67 28
18
79 17
17
65 14
16
66 46
15
76 17
14
67 58
13
84 72
12
56 26
11
83 72
9
80 45
10
75 46
8
91 78
7
68 67
4
57 64
5
88 76
3
69 69
2
74 76
1
91 71
6
ClaidentTutorial__Sample16__MiFish
ClaidentTutorial__Sample17__MiFish
ClaidentTutorial__Sample20__MiFish
ClaidentTutorial__Sample18__MiFish
ClaidentTutorial__Sample19__MiFish
ClaidentTutorial__Sample04__MiFish
ClaidentTutorial__Sample03__MiFish
ClaidentTutorial__Sample01__MiFish
ClaidentTutorial__Sample02__MiFish
ClaidentTutorial__Sample12__MiFish
ClaidentTutorial__Sample13__MiFish
ClaidentTutorial__Sample14__MiFish
ClaidentTutorial__Sample15__MiFish
ClaidentTutorial__Sample05__MiFish
ClaidentTutorial__Sample06__MiFish
ClaidentTutorial__Sample07__MiFish
ClaidentTutorial__Sample08__MiFish
ClaidentTutorial__Sample09__MiFish
ClaidentTutorial__Sample10__MiFish
ClaidentTutorial__Sample11__MiFish
site
Cluster method: average

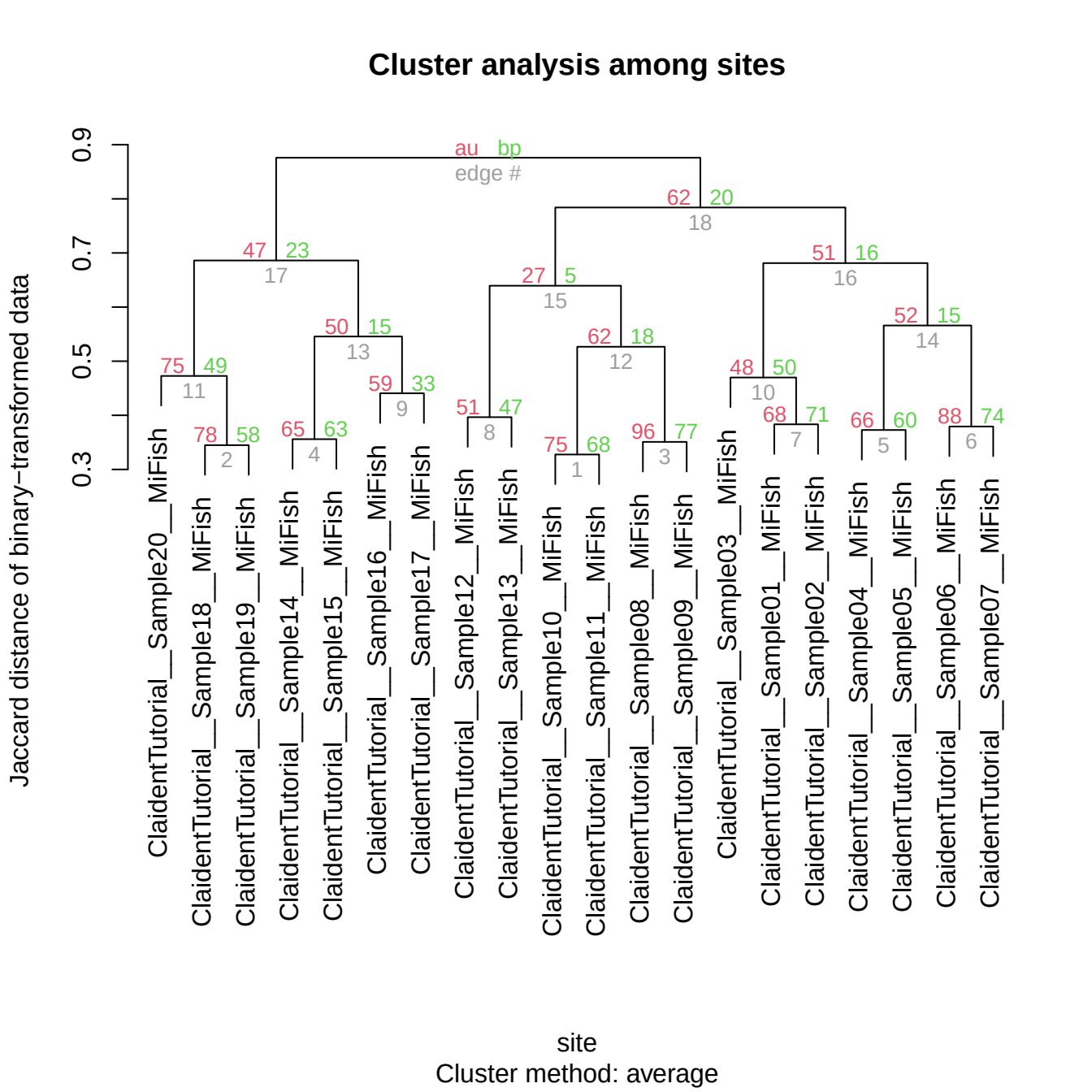

Cluster analysis among sites
Bray−Curtis distance
0.3
0.4
0.5
0.6
0.7
0.8
0.9
au bp
edge #
68 37
18
67 40
17
58 14
16
71 39
15
78 27
13
52 21
14
73 33
12
80 53
9
77 33
10
62 59
8
51 37
11
95 90
7
78 67
6
89 85
1
97 90
2
67 51
5
90 78
3
81 68
4
ClaidentTutorial__Sample20__MiFish
ClaidentTutorial__Sample18__MiFish
ClaidentTutorial__Sample19__MiFish
ClaidentTutorial__Sample14__MiFish
ClaidentTutorial__Sample15__MiFish
ClaidentTutorial__Sample16__MiFish
ClaidentTutorial__Sample17__MiFish
ClaidentTutorial__Sample01__MiFish
ClaidentTutorial__Sample02__MiFish
ClaidentTutorial__Sample05__MiFish
ClaidentTutorial__Sample03__MiFish
ClaidentTutorial__Sample04__MiFish
ClaidentTutorial__Sample06__MiFish
ClaidentTutorial__Sample07__MiFish
ClaidentTutorial__Sample08__MiFish
ClaidentTutorial__Sample09__MiFish
ClaidentTutorial__Sample10__MiFish
ClaidentTutorial__Sample13__MiFish
ClaidentTutorial__Sample11__MiFish
ClaidentTutorial__Sample12__MiFish
site
Cluster method: average

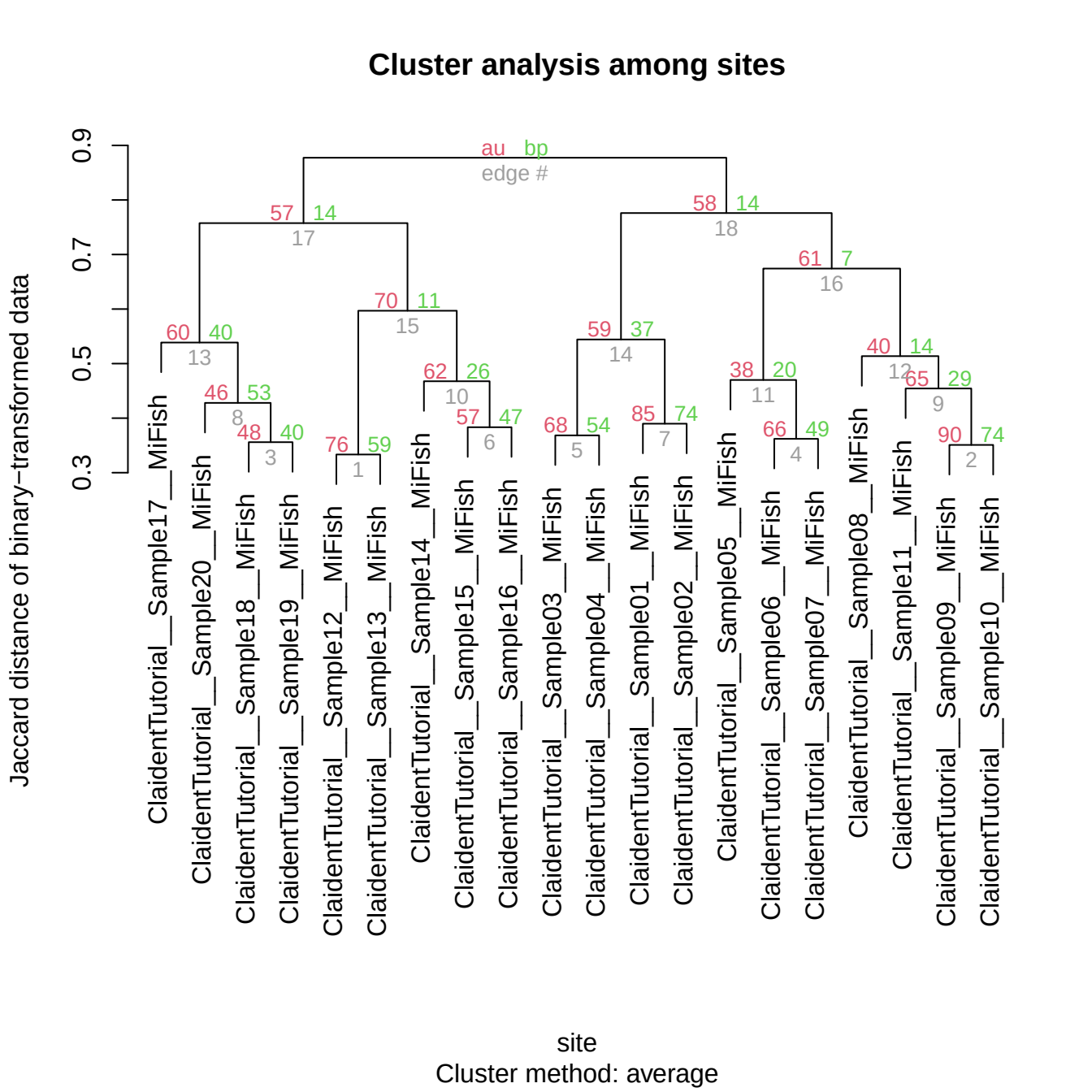

Cluster analysis among sites
Jaccard distance
0.95
0.85
0.75
0.65
0.55
au bp
edge #
75 27
18
69 29
17
98 82
15
62 27
16
47 7
14
88 57
12
96 73
9
58 36
10
53 41
13
62 23
11
53 50
8
44 44
7
94 95
3
51 65
2
94 75
4
86 73
6
80 71
1
79 77
5
ClaidentTutorial__Sample20__MiFish
ClaidentTutorial__Sample18__MiFish
ClaidentTutorial__Sample19__MiFish
ClaidentTutorial__Sample13__MiFish
ClaidentTutorial__Sample14__MiFish
ClaidentTutorial__Sample17__MiFish
ClaidentTutorial__Sample15__MiFish
ClaidentTutorial__Sample16__MiFish
ClaidentTutorial__Sample01__MiFish
ClaidentTutorial__Sample02__MiFish
ClaidentTutorial__Sample05__MiFish
ClaidentTutorial__Sample03__MiFish
ClaidentTutorial__Sample04__MiFish
ClaidentTutorial__Sample08__MiFish
ClaidentTutorial__Sample09__MiFish
ClaidentTutorial__Sample06__MiFish
ClaidentTutorial__Sample07__MiFish
ClaidentTutorial__Sample12__MiFish
ClaidentTutorial__Sample10__MiFish
ClaidentTutorial__Sample11__MiFish
site
Cluster method: average

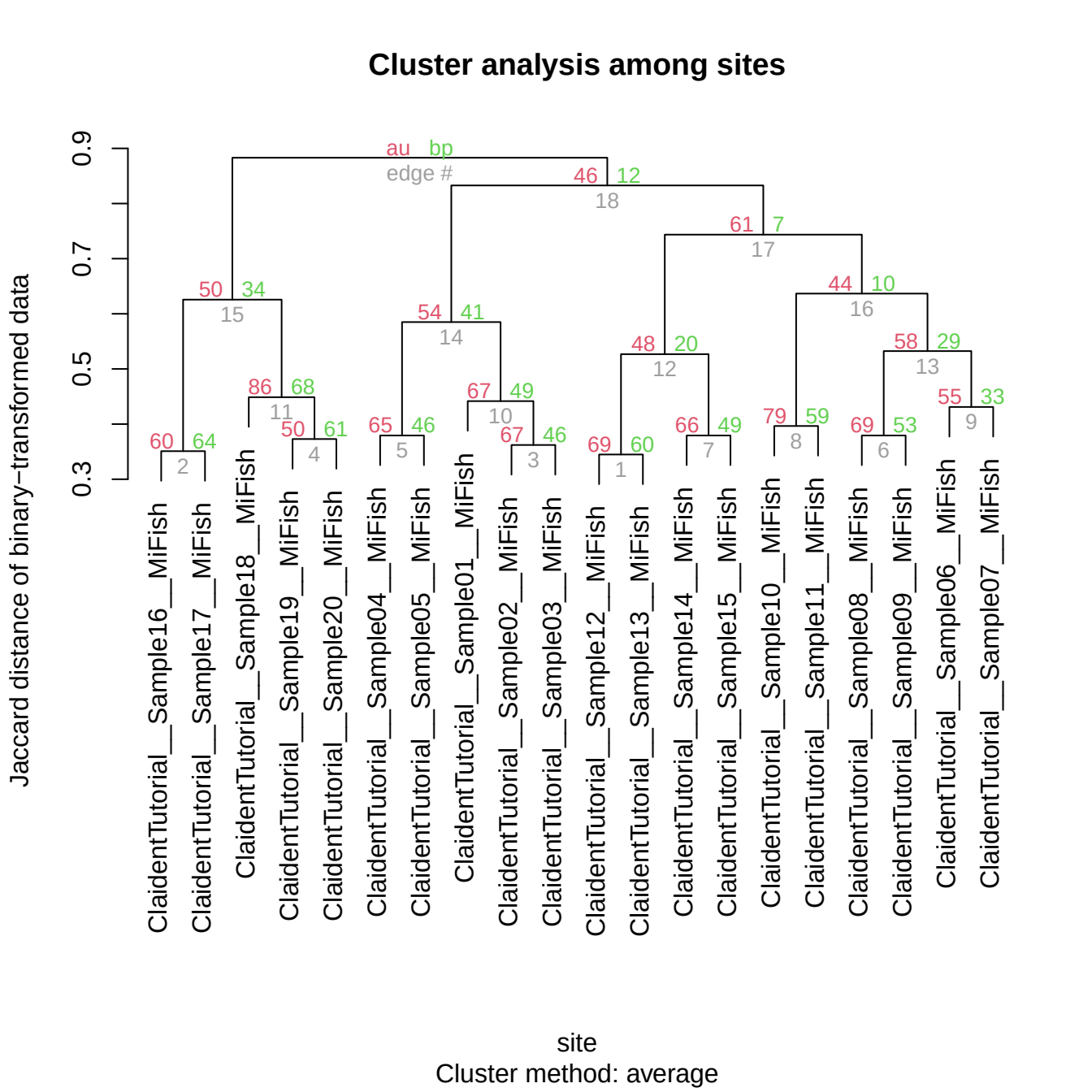

Cluster analysis among sites
Jaccard distance
0.95
0.85
0.75
0.65
0.55
au bp
edge #
65 11
18
38 5
17
59 28
16
58 32
15
64 14
12
74 48
14
45 10
13
74 60
11
45 21
10
81 46
8
81 47
7
74 57
9
67 49
2
65 59
3
60 53
1
71 41
6
54 54
5
77 57
4
ClaidentTutorial__Sample16__MiFish
ClaidentTutorial__Sample17__MiFish
ClaidentTutorial__Sample20__MiFish
ClaidentTutorial__Sample18__MiFish
ClaidentTutorial__Sample19__MiFish
ClaidentTutorial__Sample05__MiFish
ClaidentTutorial__Sample06__MiFish
ClaidentTutorial__Sample03__MiFish
ClaidentTutorial__Sample04__MiFish
ClaidentTutorial__Sample01__MiFish
ClaidentTutorial__Sample02__MiFish
ClaidentTutorial__Sample12__MiFish
ClaidentTutorial__Sample13__MiFish
ClaidentTutorial__Sample14__MiFish
ClaidentTutorial__Sample15__MiFish
ClaidentTutorial__Sample07__MiFish
ClaidentTutorial__Sample08__MiFish
ClaidentTutorial__Sample11__MiFish
ClaidentTutorial__Sample09__MiFish
ClaidentTutorial__Sample10__MiFish
site
Cluster method: average

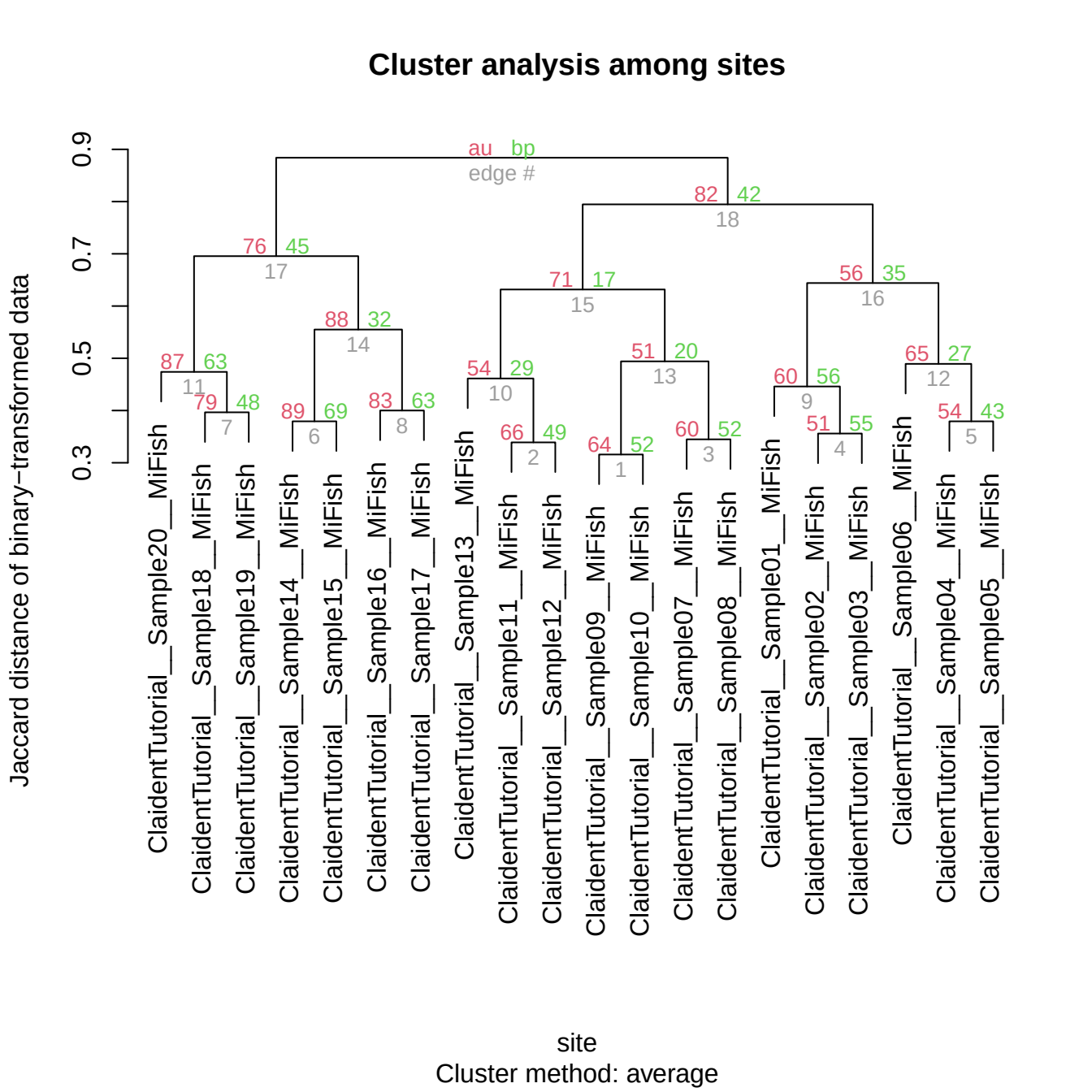

Cluster analysis among sites
Jaccard distance
0.5
0.6
0.7
0.8
0.9
au bp
edge #
81 27
18
73 19
17
74 14
16
64 19
14
78 44
15
57 58
13
61 24
11
67 42
10
85 74
12
90 72
9
80 70
2
94 80
7
55 62
5
80 76
1
89 66
4
87 76
3
93 73
6
73 44
8
ClaidentTutorial__Sample16__MiFish
ClaidentTutorial__Sample17__MiFish
ClaidentTutorial__Sample20__MiFish
ClaidentTutorial__Sample18__MiFish
ClaidentTutorial__Sample19__MiFish
ClaidentTutorial__Sample04__MiFish
ClaidentTutorial__Sample03__MiFish
ClaidentTutorial__Sample01__MiFish
ClaidentTutorial__Sample02__MiFish
ClaidentTutorial__Sample12__MiFish
ClaidentTutorial__Sample13__MiFish
ClaidentTutorial__Sample14__MiFish
ClaidentTutorial__Sample15__MiFish
ClaidentTutorial__Sample05__MiFish
ClaidentTutorial__Sample06__MiFish
ClaidentTutorial__Sample07__MiFish
ClaidentTutorial__Sample08__MiFish
ClaidentTutorial__Sample09__MiFish
ClaidentTutorial__Sample10__MiFish
ClaidentTutorial__Sample11__MiFish
site
Cluster method: average

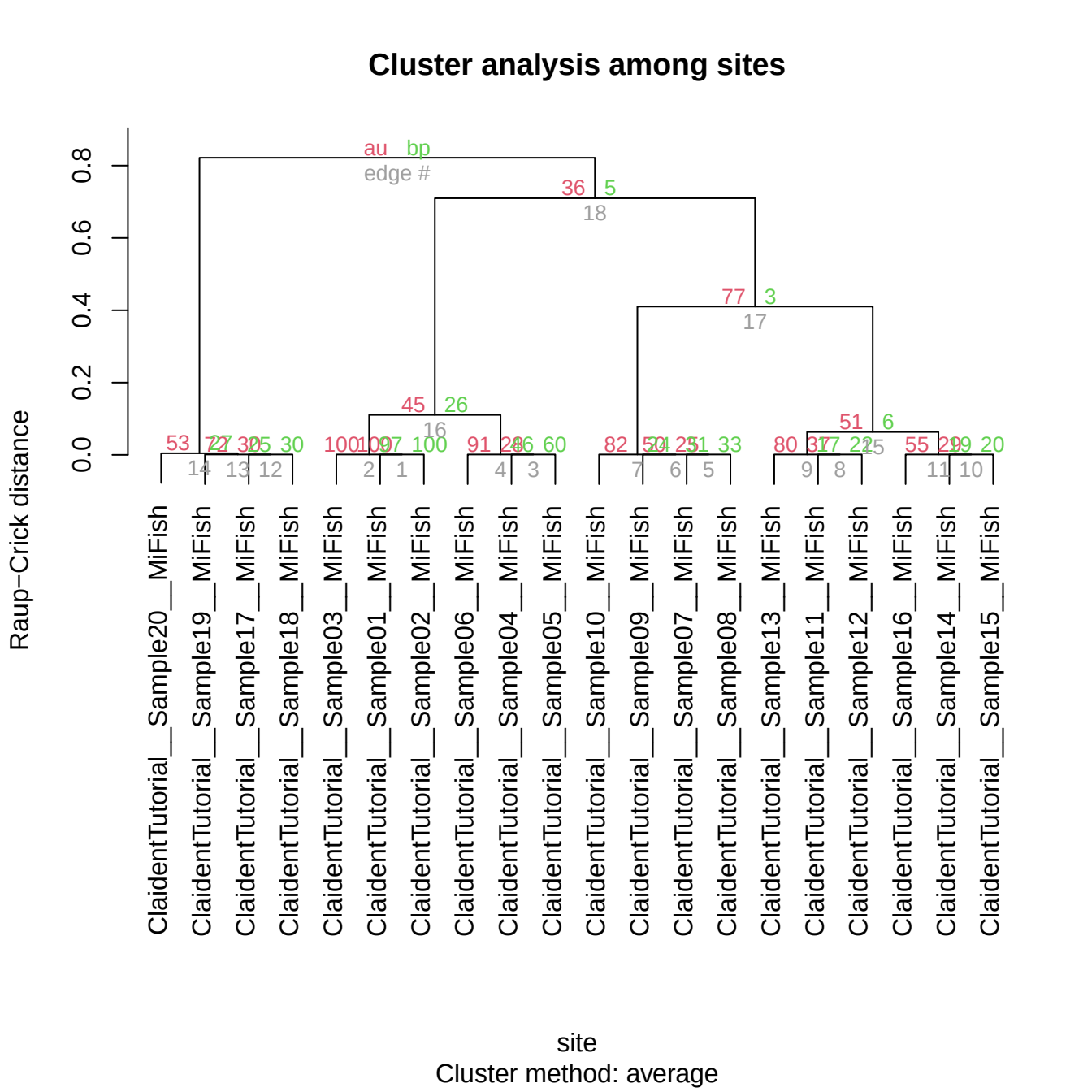

Cluster analysis among sites
au bp
edge #
77 32
18
68 36
17
76 41
16
68 19
15
68 30
14
79 28
13
73 29
12
81 53
9
80 31
10
72 38
11
73 65
8
93 89
7
87 86
1
88 79
3
90 91
2
76 61
6
87 69
4
71 50
5
Jaccard distance
0.5
0.6
0.7
0.8
0.9
ClaidentTutorial__Sample20__MiFish
ClaidentTutorial__Sample18__MiFish
ClaidentTutorial__Sample19__MiFish
ClaidentTutorial__Sample14__MiFish
ClaidentTutorial__Sample15__MiFish
ClaidentTutorial__Sample16__MiFish
ClaidentTutorial__Sample17__MiFish
ClaidentTutorial__Sample13__MiFish
ClaidentTutorial__Sample11__MiFish
ClaidentTutorial__Sample12__MiFish
ClaidentTutorial__Sample07__MiFish
ClaidentTutorial__Sample08__MiFish
ClaidentTutorial__Sample09__MiFish
ClaidentTutorial__Sample10__MiFish
ClaidentTutorial__Sample01__MiFish
ClaidentTutorial__Sample02__MiFish
ClaidentTutorial__Sample06__MiFish
ClaidentTutorial__Sample05__MiFish
ClaidentTutorial__Sample03__MiFish
ClaidentTutorial__Sample04__MiFish
site
Cluster method: average

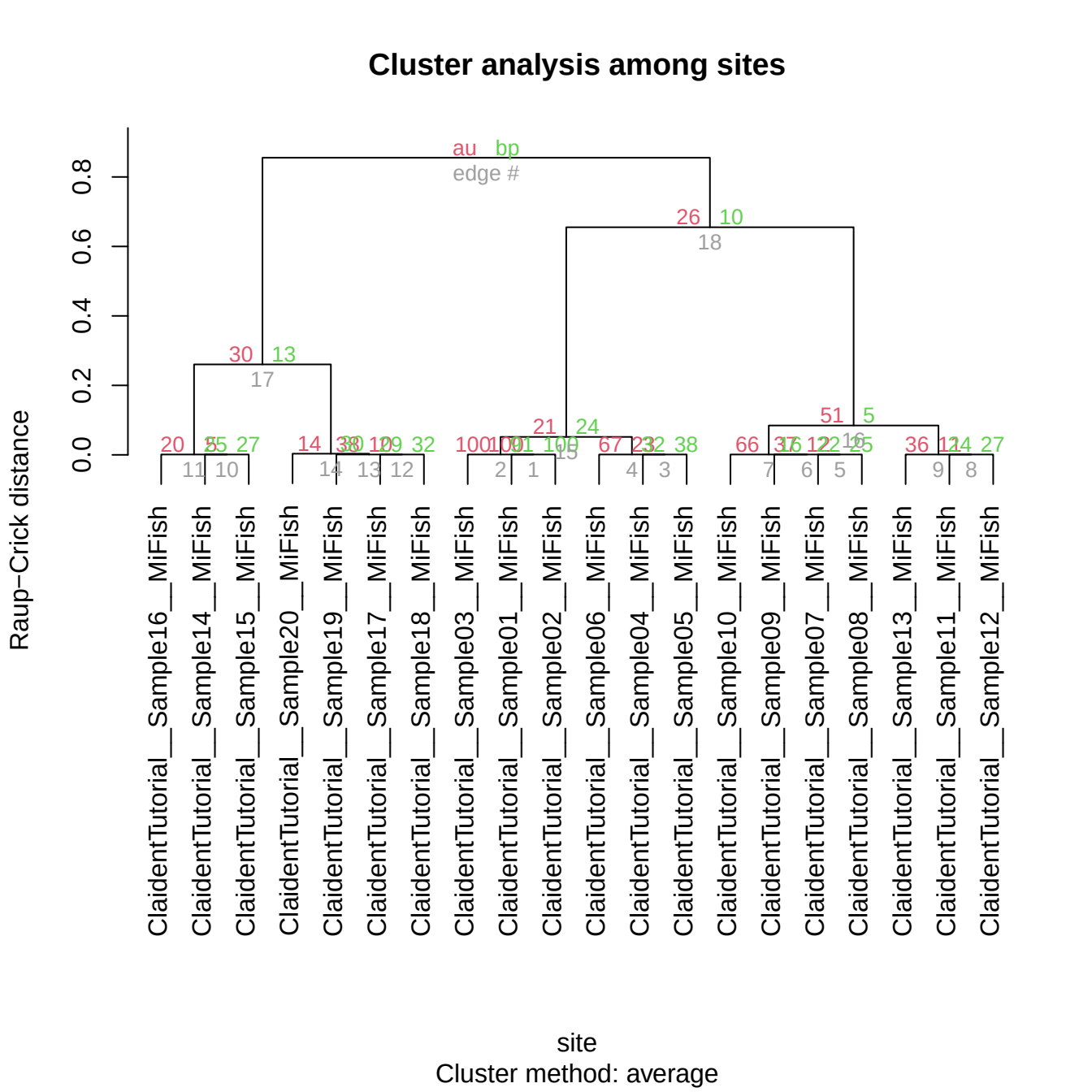

Cluster analysis among sites
Jaccard distance of binary−transformed data
0.3
0.5
0.7
0.9
au bp
edge #
75 49
11
78 58
2
47 23
17
65 63
4
50 15
13
59 33
9
51 47
8
27 5
15
75 68
1
62 18
12
96 77
3
62 20
18
48 50
10
68 71
7
51 16
16
66 60
5
52 15
14
88 74
6
ClaidentTutorial__Sample20__MiFish
ClaidentTutorial__Sample18__MiFish
ClaidentTutorial__Sample19__MiFish
ClaidentTutorial__Sample14__MiFish
ClaidentTutorial__Sample15__MiFish
ClaidentTutorial__Sample16__MiFish
ClaidentTutorial__Sample17__MiFish
ClaidentTutorial__Sample12__MiFish
ClaidentTutorial__Sample13__MiFish
ClaidentTutorial__Sample10__MiFish
ClaidentTutorial__Sample11__MiFish
ClaidentTutorial__Sample08__MiFish
ClaidentTutorial__Sample09__MiFish
ClaidentTutorial__Sample03__MiFish
ClaidentTutorial__Sample01__MiFish
ClaidentTutorial__Sample02__MiFish
ClaidentTutorial__Sample04__MiFish
ClaidentTutorial__Sample05__MiFish
ClaidentTutorial__Sample06__MiFish
ClaidentTutorial__Sample07__MiFish
site
Cluster method: average

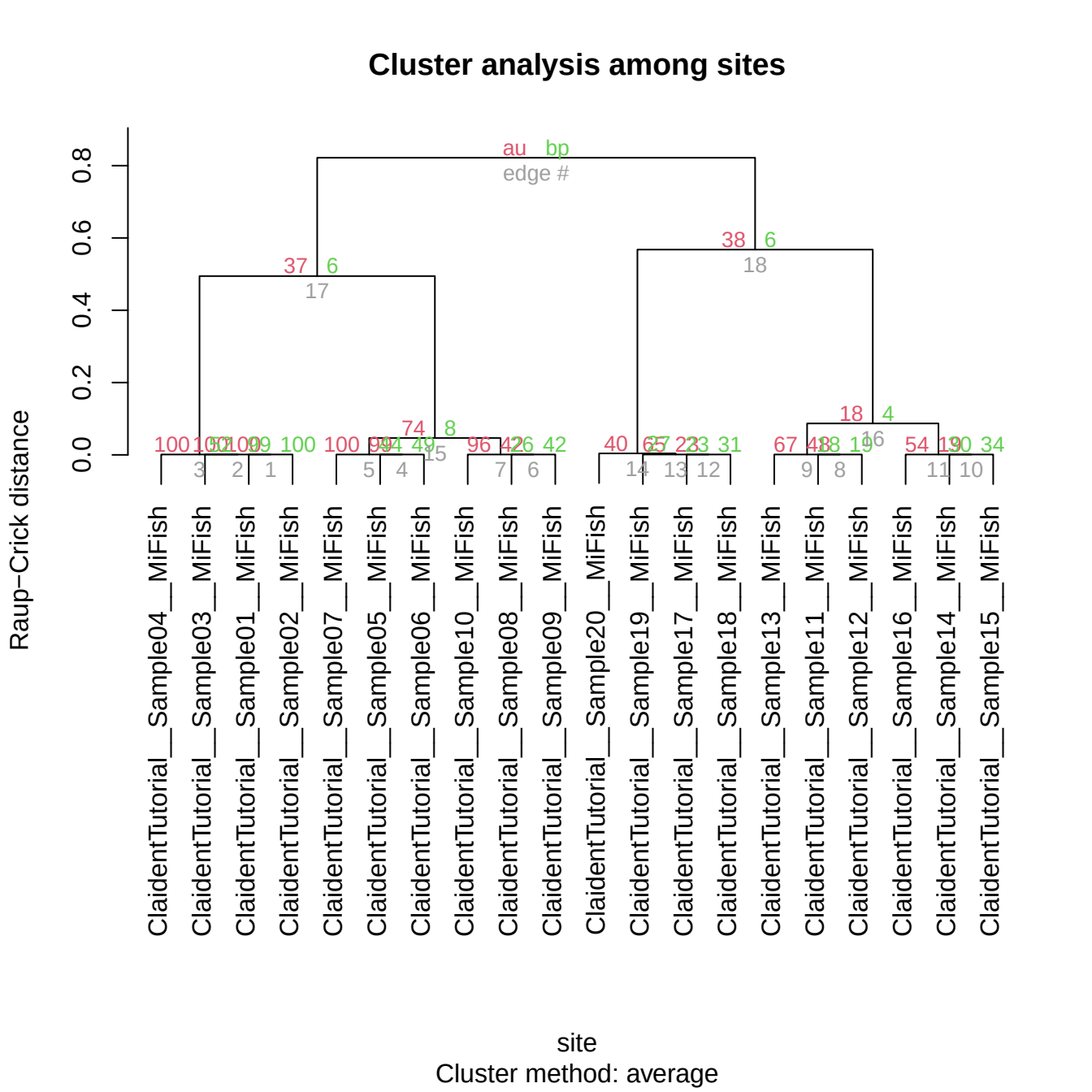

Cluster analysis among sites
Jaccard distance of binary−transformed data
0.9
0.7
0.5
0.3
au bp
edge #
57 14
17
58 14
18
60 40
13
70 11
15
61 7
16
46 53
8
59 37
14
62 26
10
40 14
12
48 40
3
57 47
6
38 20
11
65 29
9
76 59
1
68 54
5
85 74
7
66 49
4
90 74
2
ClaidentTutorial__Sample17__MiFish
ClaidentTutorial__Sample20__MiFish
ClaidentTutorial__Sample18__MiFish
ClaidentTutorial__Sample19__MiFish
ClaidentTutorial__Sample12__MiFish
ClaidentTutorial__Sample13__MiFish
ClaidentTutorial__Sample14__MiFish
ClaidentTutorial__Sample15__MiFish
ClaidentTutorial__Sample16__MiFish
ClaidentTutorial__Sample03__MiFish
ClaidentTutorial__Sample04__MiFish
ClaidentTutorial__Sample01__MiFish
ClaidentTutorial__Sample02__MiFish
ClaidentTutorial__Sample05__MiFish
ClaidentTutorial__Sample06__MiFish
ClaidentTutorial__Sample07__MiFish
ClaidentTutorial__Sample08__MiFish
ClaidentTutorial__Sample11__MiFish
ClaidentTutorial__Sample09__MiFish
ClaidentTutorial__Sample10__MiFish
site
Cluster method: average

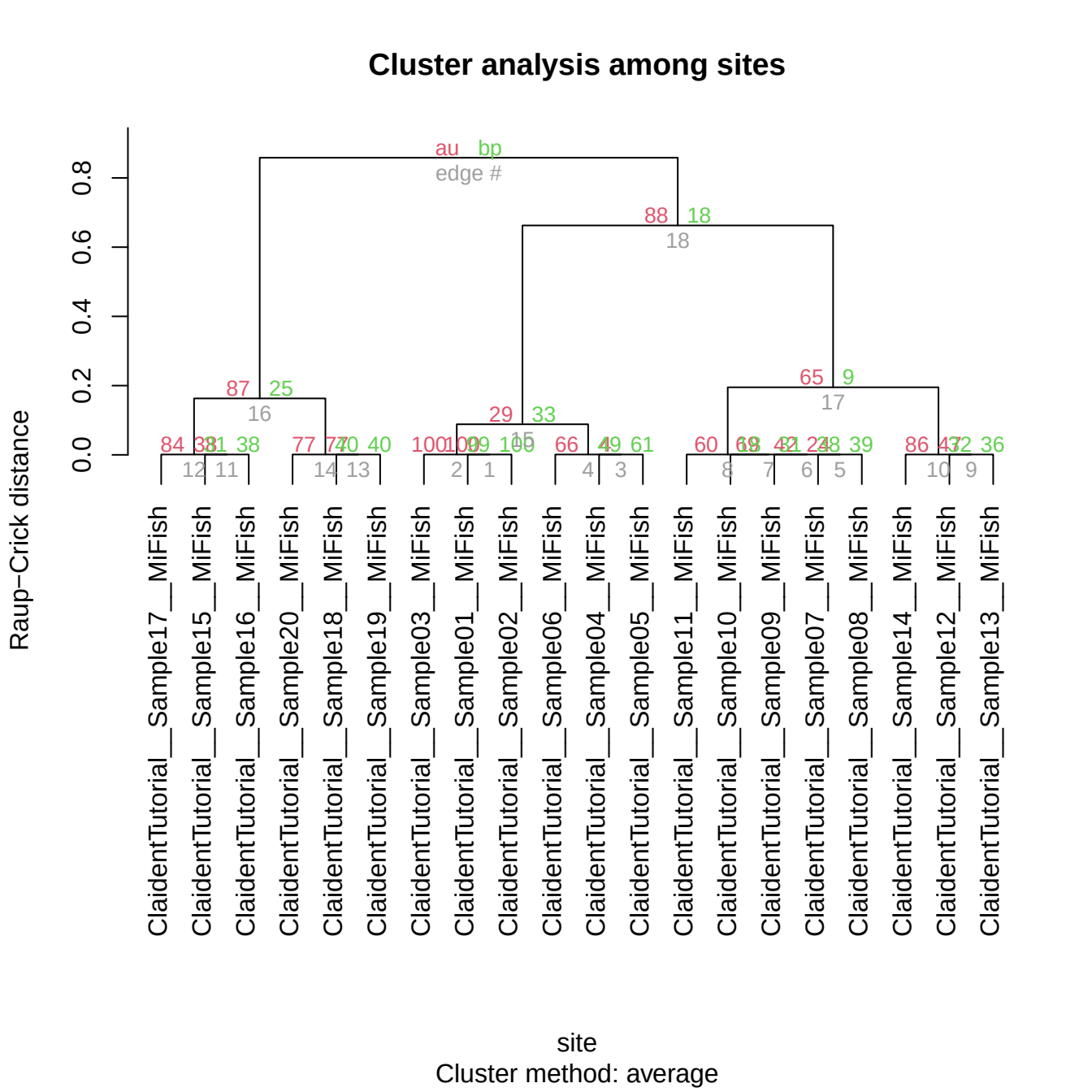

Cluster analysis among sites
Jaccard distance of binary−transformed data
0.3
0.5
0.7
0.9
au bp
edge #
60 64
2
50 34
15
86 68
11
50 61
4
54 41
14
65 46
5
67 49
10
67 46
3
46 12
18
69 60
1
48 20
12
66 49
7
61 7
17
79 59
8
44 10
16
69 53
6
58 29
13
55 33
9
ClaidentTutorial__Sample16__MiFish
ClaidentTutorial__Sample17__MiFish
ClaidentTutorial__Sample18__MiFish
ClaidentTutorial__Sample19__MiFish
ClaidentTutorial__Sample20__MiFish
ClaidentTutorial__Sample04__MiFish
ClaidentTutorial__Sample05__MiFish
ClaidentTutorial__Sample01__MiFish
ClaidentTutorial__Sample02__MiFish
ClaidentTutorial__Sample03__MiFish
ClaidentTutorial__Sample12__MiFish
ClaidentTutorial__Sample13__MiFish
ClaidentTutorial__Sample14__MiFish
ClaidentTutorial__Sample15__MiFish
ClaidentTutorial__Sample10__MiFish
ClaidentTutorial__Sample11__MiFish
ClaidentTutorial__Sample08__MiFish
ClaidentTutorial__Sample09__MiFish
ClaidentTutorial__Sample06__MiFish
ClaidentTutorial__Sample07__MiFish
site
Cluster method: average


Cluster analysis among sites
Jaccard distance of binary−transformed data
0.3
0.5
0.7
0.9
au bp
edge #
82 42
18
76 45
17
71 17
15
56 35
16
88 32
14
51 20
13
65 27
12
87 63
11
54 29
10
60 56
9
79 48
7
66 49
2
64 52
1
60 52
3
51 55
4
89 69
6
83 63
8
54 43
5
ClaidentTutorial__Sample20__MiFish
ClaidentTutorial__Sample18__MiFish
ClaidentTutorial__Sample19__MiFish
ClaidentTutorial__Sample14__MiFish
ClaidentTutorial__Sample15__MiFish
ClaidentTutorial__Sample16__MiFish
ClaidentTutorial__Sample17__MiFish
ClaidentTutorial__Sample13__MiFish
ClaidentTutorial__Sample11__MiFish
ClaidentTutorial__Sample12__MiFish
ClaidentTutorial__Sample09__MiFish
ClaidentTutorial__Sample10__MiFish
ClaidentTutorial__Sample07__MiFish
ClaidentTutorial__Sample08__MiFish
ClaidentTutorial__Sample01__MiFish
ClaidentTutorial__Sample02__MiFish
ClaidentTutorial__Sample03__MiFish
ClaidentTutorial__Sample06__MiFish
ClaidentTutorial__Sample04__MiFish
ClaidentTutorial__Sample05__MiFish
site
Cluster method: average


Cluster analysis among sites
Raup−Crick distance
0.0
0.2
0.4
0.6
0.8
au bp
edge #
36 5
18
77 3
17
45 26
16
51 6
14 13 12 2 1 4 3 7 6 5 9 8 11 10
ClaidentTutorial__Sample20__MiFish
ClaidentTutorial__Sample19__MiFish
ClaidentTutorial__Sample17__MiFish
ClaidentTutorial__Sample18__MiFish
ClaidentTutorial__Sample03__MiFish
ClaidentTutorial__Sample01__MiFish
ClaidentTutorial__Sample02__MiFish
ClaidentTutorial__Sample06__MiFish
ClaidentTutorial__Sample04__MiFish
ClaidentTutorial__Sample05__MiFish
ClaidentTutorial__Sample10__MiFish
ClaidentTutorial__Sample09__MiFish
ClaidentTutorial__Sample07__MiFish
ClaidentTutorial__Sample08__MiFish
ClaidentTutorial__Sample13__MiFish
ClaidentTutorial__Sample11__MiFish
ClaidentTutorial__Sample12__MiFish
ClaidentTutorial__Sample16__MiFish
ClaidentTutorial__Sample14__MiFish
ClaidentTutorial__Sample15__MiFish
site
Cluster method: average


Cluster analysis among sites
au bp
edge #
Raup−Crick distance
0.0
0.2
0.4
0.6
0.8
site
Cluster method: average
ClaidentTutorial__Sample16__MiFish
ClaidentTutorial__Sample14__MiFish
ClaidentTutorial__Sample15__MiFish
ClaidentTutorial__Sample20__MiFish
ClaidentTutorial__Sample19__MiFish
ClaidentTutorial__Sample17__MiFish
ClaidentTutorial__Sample18__MiFish
ClaidentTutorial__Sample03__MiFish
ClaidentTutorial__Sample01__MiFish
ClaidentTutorial__Sample02__MiFish
ClaidentTutorial__Sample06__MiFish
ClaidentTutorial__Sample04__MiFish
ClaidentTutorial__Sample05__MiFish
ClaidentTutorial__Sample10__MiFish
ClaidentTutorial__Sample09__MiFish
ClaidentTutorial__Sample07__MiFish
ClaidentTutorial__Sample08__MiFish
ClaidentTutorial__Sample13__MiFish
ClaidentTutorial__Sample11__MiFish
ClaidentTutorial__Sample12__MiFish


Cluster analysis among sites
Raup−Crick distance
0.0
0.2
0.4
0.6
0.8
au
bp
edge #
37
6
17
38
6
18
74
8
15
18
4
16
100
100
100
100
100
100
96
42
42
40
67
54
34
3
2
1
5
4
7
6
14
13
12
9
8
11
10
ClaidentTutorial__Sample04__MiFish
ClaidentTutorial__Sample03__MiFish
ClaidentTutorial__Sample01__MiFish
ClaidentTutorial__Sample02__MiFish
ClaidentTutorial__Sample07__MiFish
ClaidentTutorial__Sample05__MiFish
ClaidentTutorial__Sample06__MiFish
ClaidentTutorial__Sample10__MiFish
ClaidentTutorial__Sample08__MiFish
ClaidentTutorial__Sample09__MiFish
ClaidentTutorial__Sample20__MiFish
ClaidentTutorial__Sample19__MiFish
ClaidentTutorial__Sample17__MiFish
ClaidentTutorial__Sample18__MiFish
ClaidentTutorial__Sample13__MiFish
ClaidentTutorial__Sample11__MiFish
ClaidentTutorial__Sample12__MiFish
ClaidentTutorial__Sample16__MiFish
ClaidentTutorial__Sample14__MiFish
ClaidentTutorial__Sample15__MiFish
site
Cluster method: average


Cluster analysis among sites
au bp
edge #
Raup−Crick distance
0.0
0.2
0.4
0.6
0.8
ClaidentTutorial__Sample17__MiFish
ClaidentTutorial__Sample15__MiFish
ClaidentTutorial__Sample16__MiFish
ClaidentTutorial__Sample20__MiFish
ClaidentTutorial__Sample18__MiFish
ClaidentTutorial__Sample19__MiFish
ClaidentTutorial__Sample03__MiFish
ClaidentTutorial__Sample01__MiFish
ClaidentTutorial__Sample02__MiFish
ClaidentTutorial__Sample06__MiFish
ClaidentTutorial__Sample04__MiFish
ClaidentTutorial__Sample05__MiFish
ClaidentTutorial__Sample11__MiFish
ClaidentTutorial__Sample10__MiFish
ClaidentTutorial__Sample09__MiFish
ClaidentTutorial__Sample07__MiFish
ClaidentTutorial__Sample08__MiFish
ClaidentTutorial__Sample14__MiFish
ClaidentTutorial__Sample12__MiFish
ClaidentTutorial__Sample13__MiFish
site
Cluster method: average