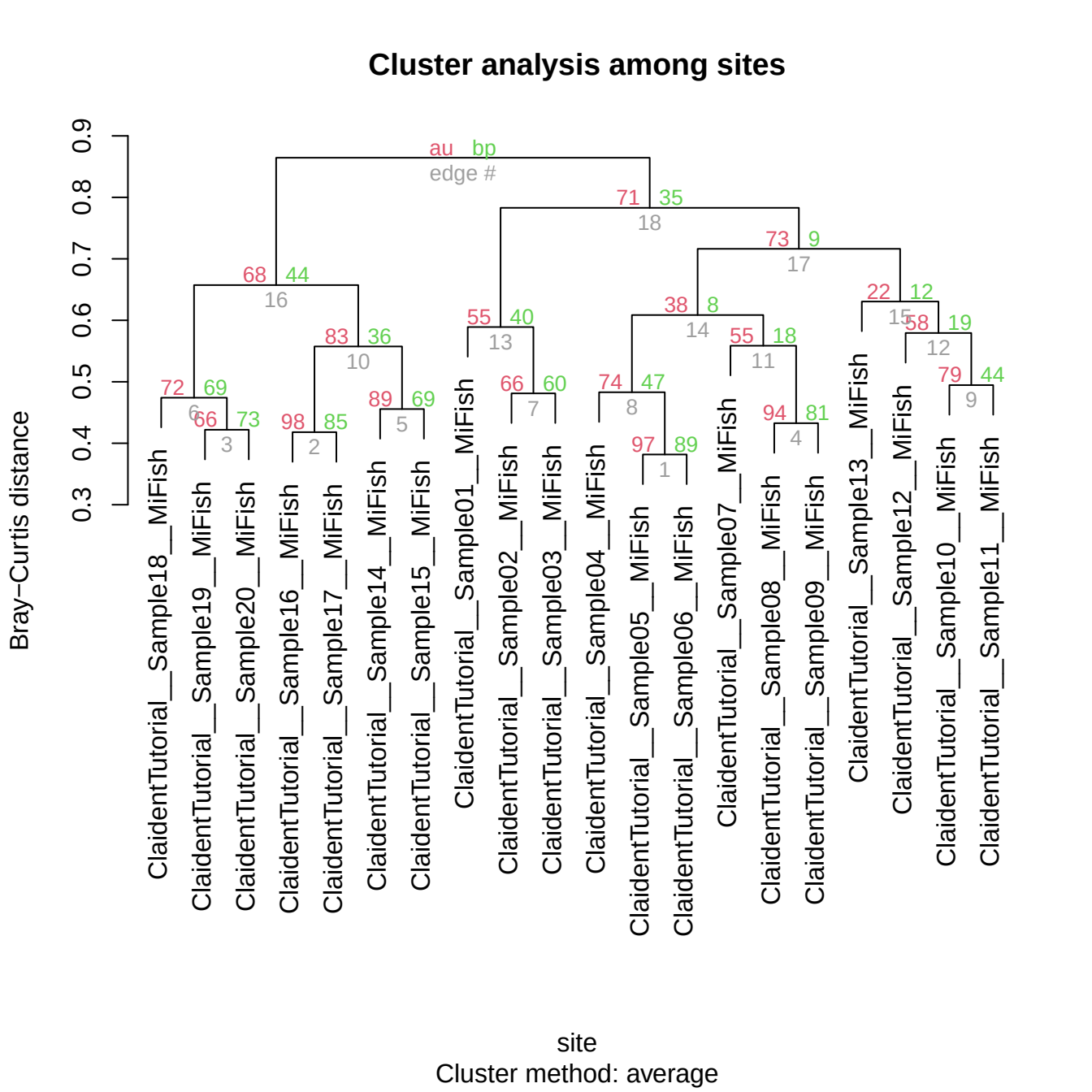
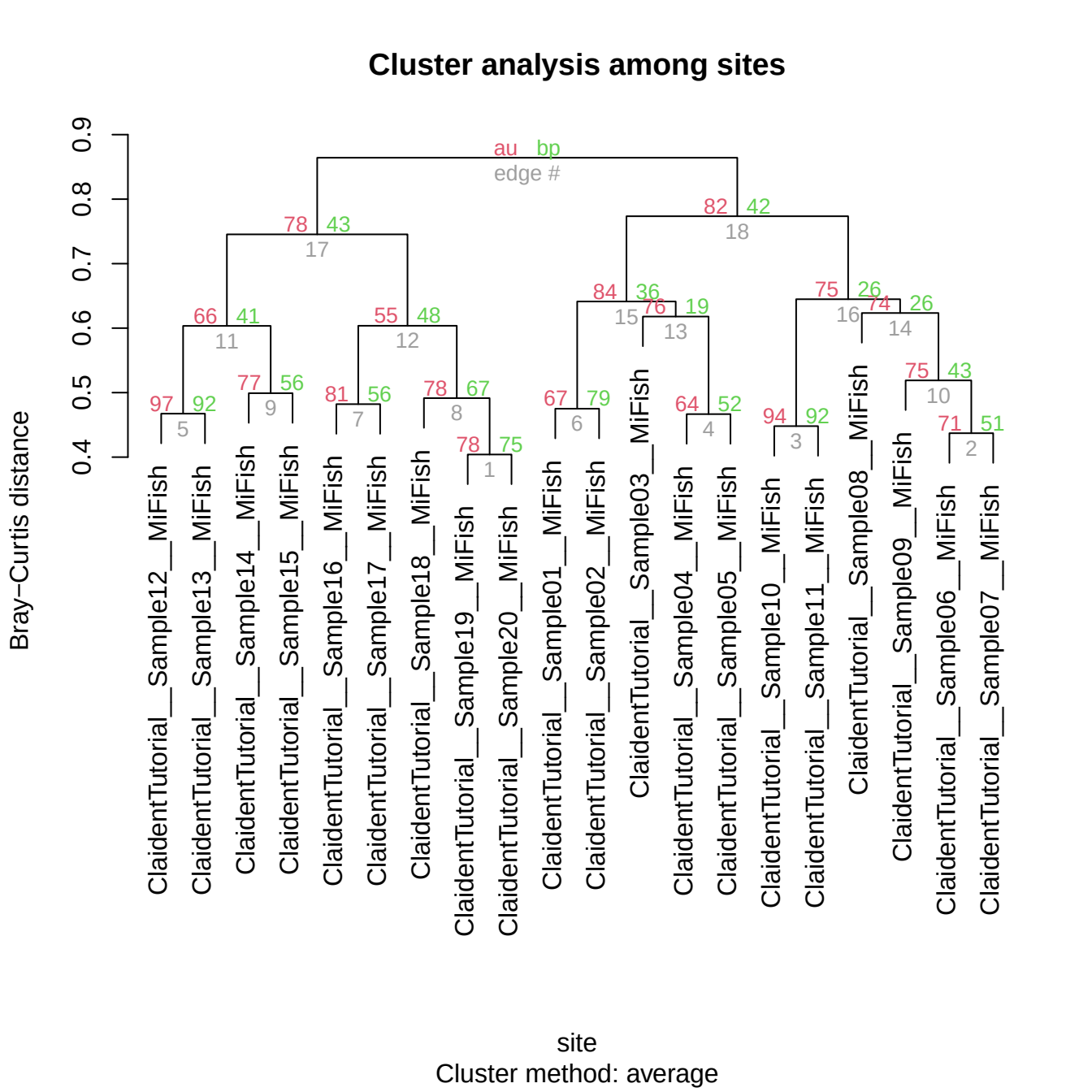
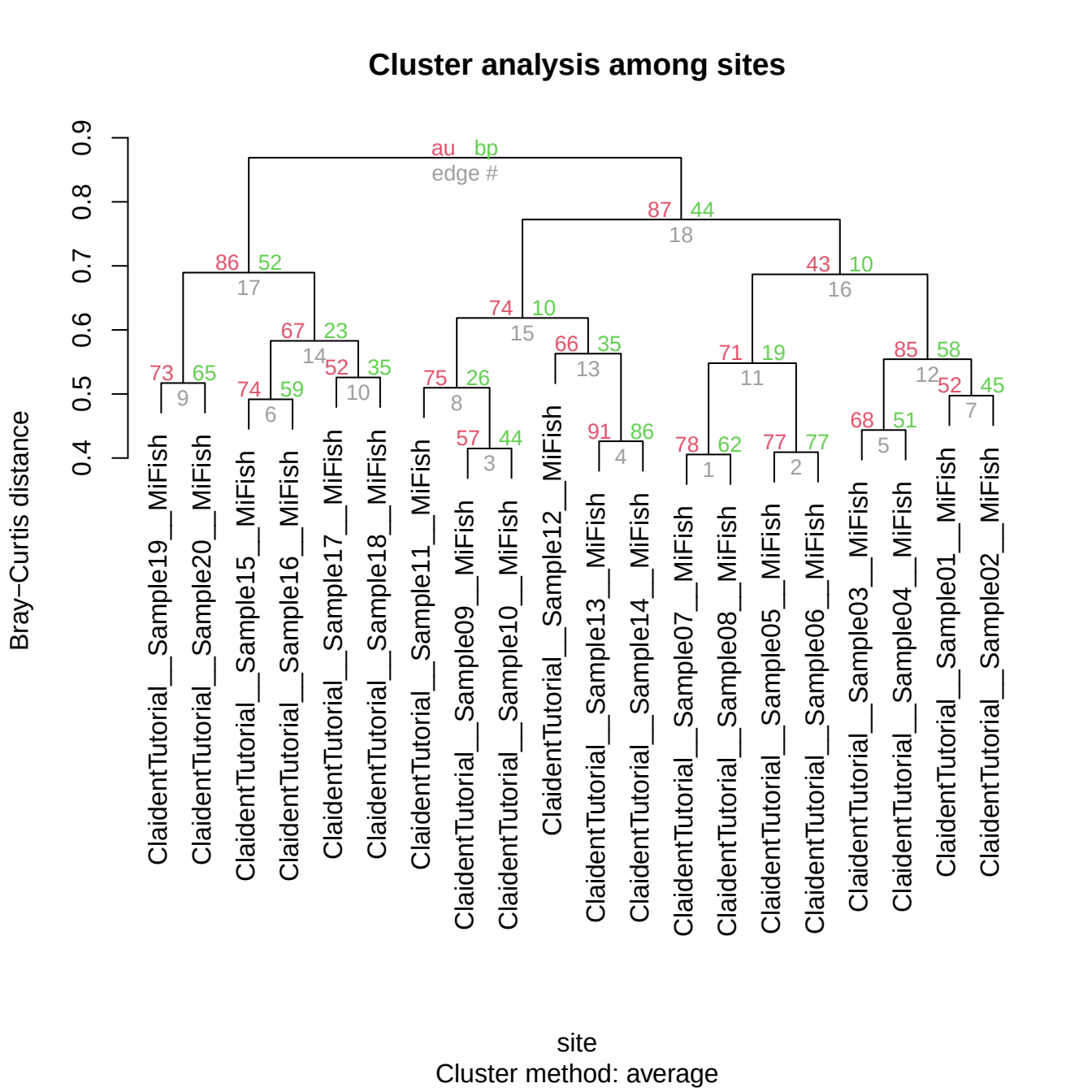
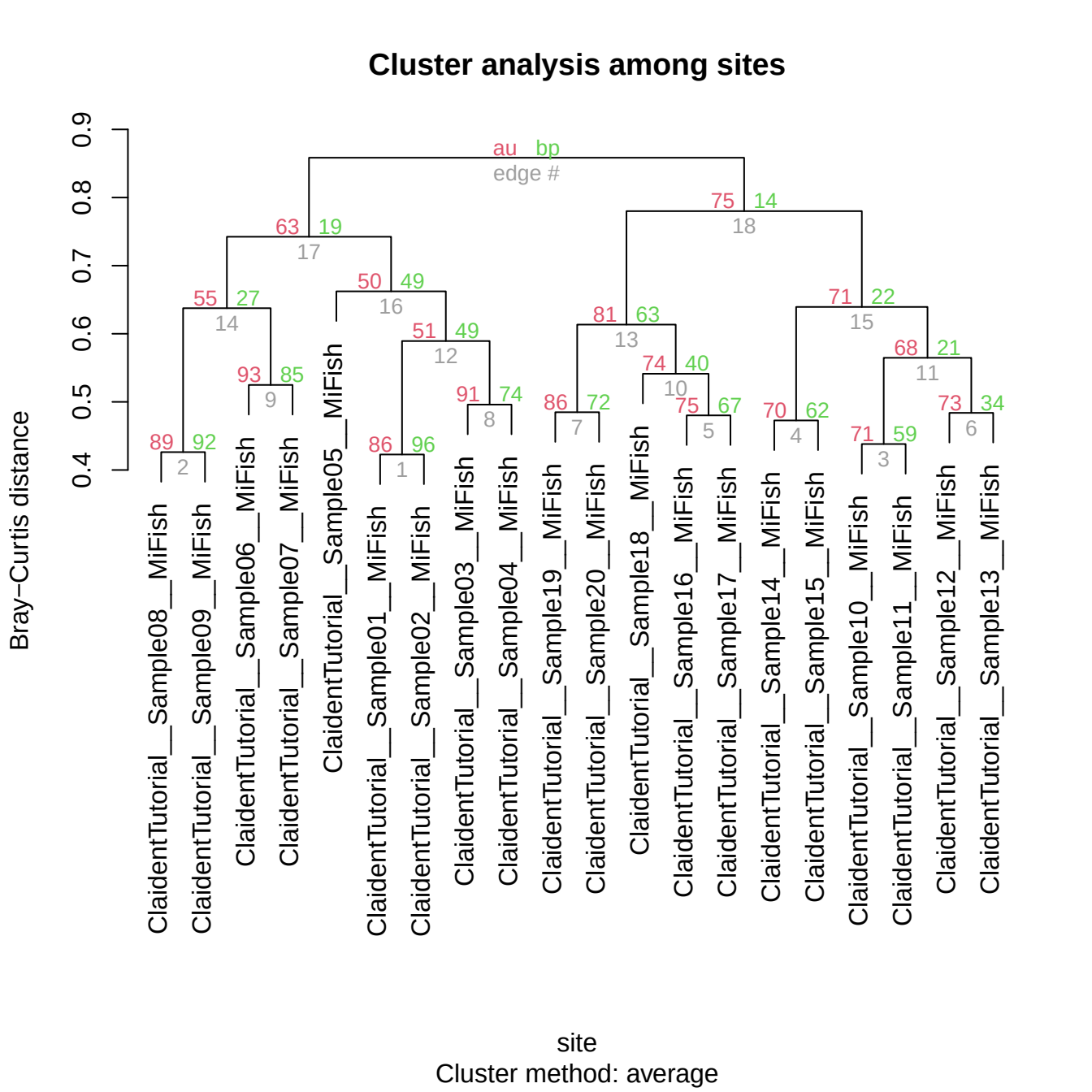
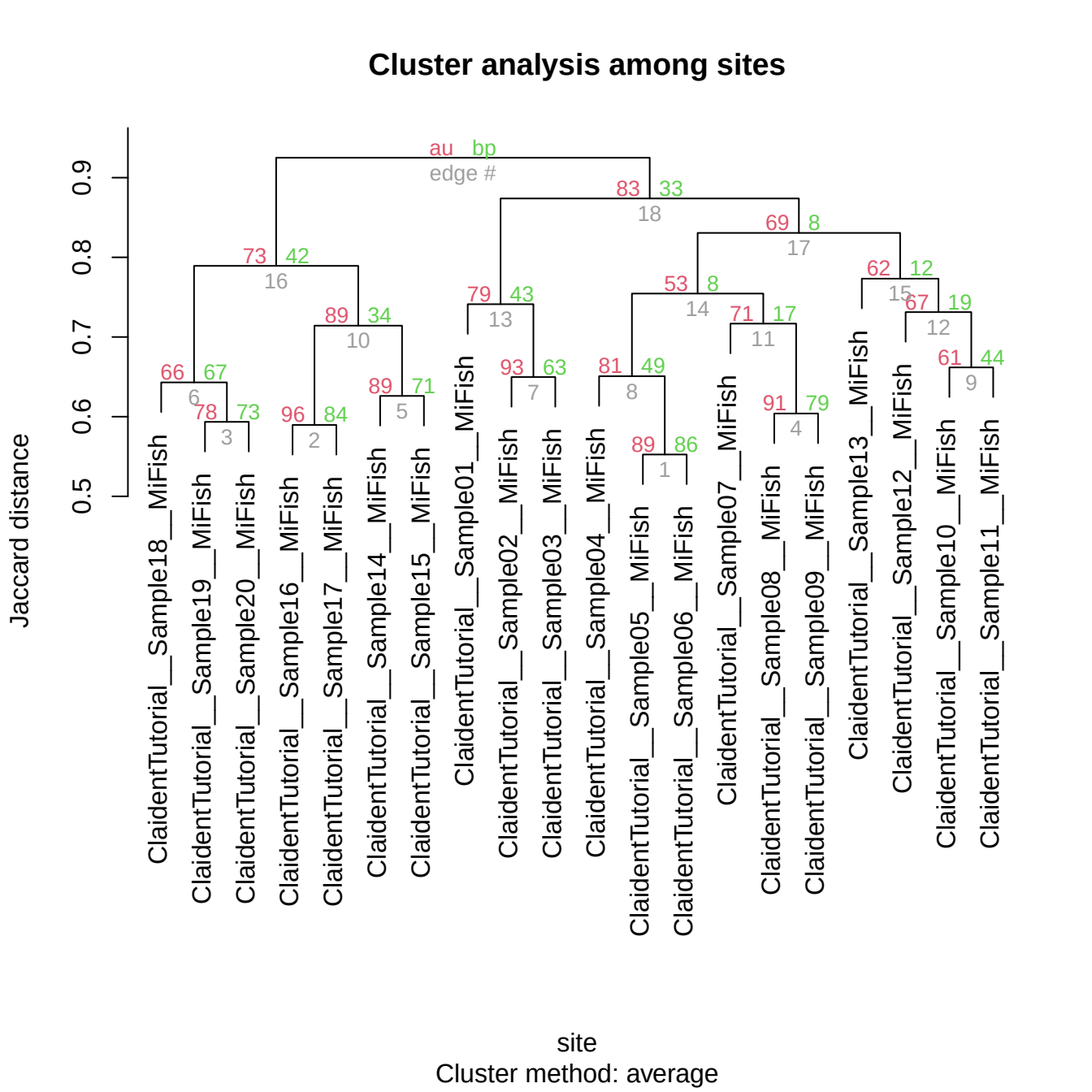
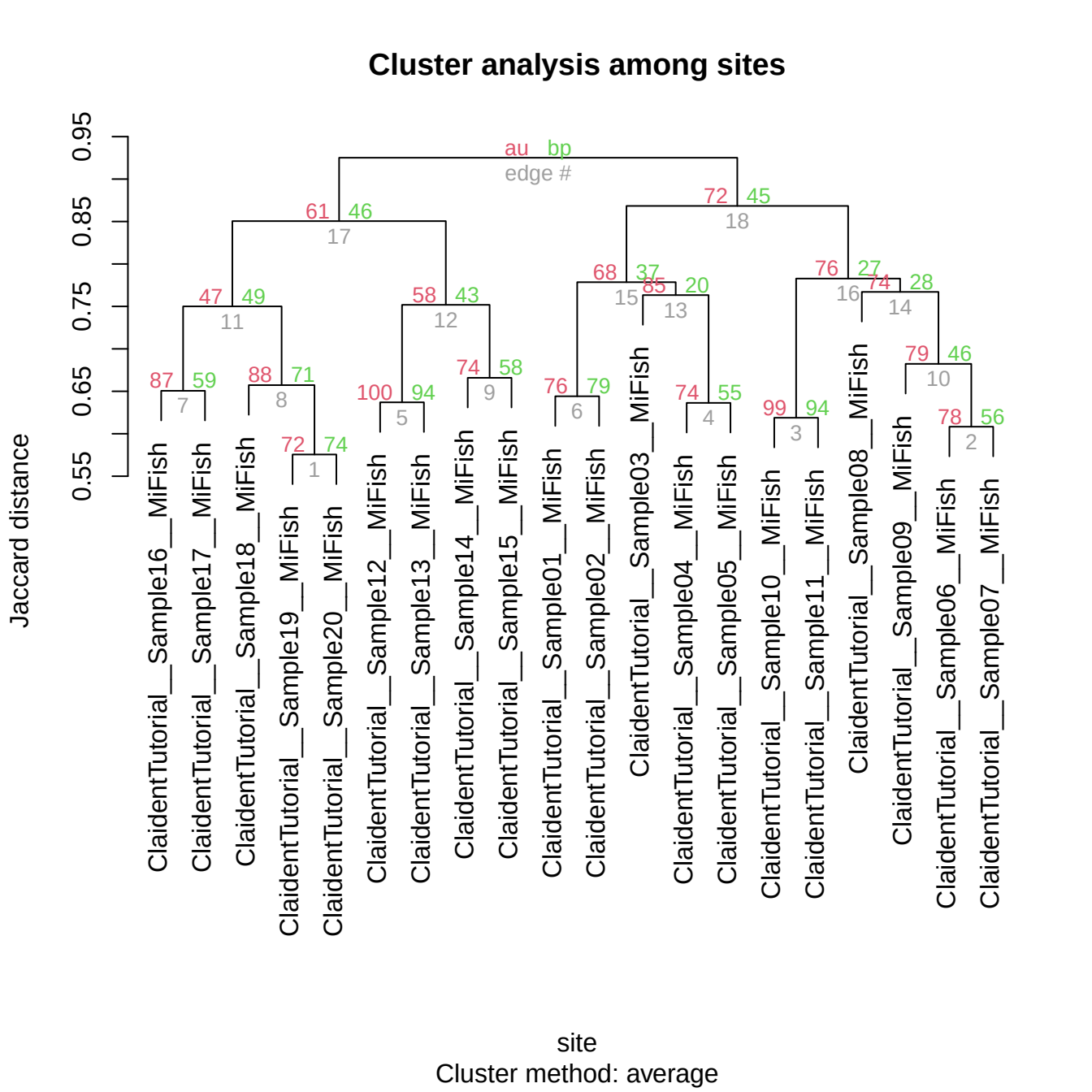

Cluster analysis among sites
Bray−Curtis distance
0.3
0.4
0.5
0.6
0.7
0.8
0.9
au bp
edge #
72 69
6
66 73
3
68 44
16
98 85
2
83 36
10
89 69
5
55 40
13
66 60
7
71 35
18
74 47
8
97 89
1
38 8
14
94 81
4
55 18
11
73 9
17
22 12
15
58 19
12
79 44
9
ClaidentTutorial__Sample18__MiFish
ClaidentTutorial__Sample19__MiFish
ClaidentTutorial__Sample20__MiFish
ClaidentTutorial__Sample16__MiFish
ClaidentTutorial__Sample17__MiFish
ClaidentTutorial__Sample14__MiFish
ClaidentTutorial__Sample15__MiFish
ClaidentTutorial__Sample01__MiFish
ClaidentTutorial__Sample02__MiFish
ClaidentTutorial__Sample03__MiFish
ClaidentTutorial__Sample04__MiFish
ClaidentTutorial__Sample05__MiFish
ClaidentTutorial__Sample06__MiFish
ClaidentTutorial__Sample07__MiFish
ClaidentTutorial__Sample08__MiFish
ClaidentTutorial__Sample09__MiFish
ClaidentTutorial__Sample13__MiFish
ClaidentTutorial__Sample12__MiFish
ClaidentTutorial__Sample10__MiFish
ClaidentTutorial__Sample11__MiFish
site
Cluster method: average

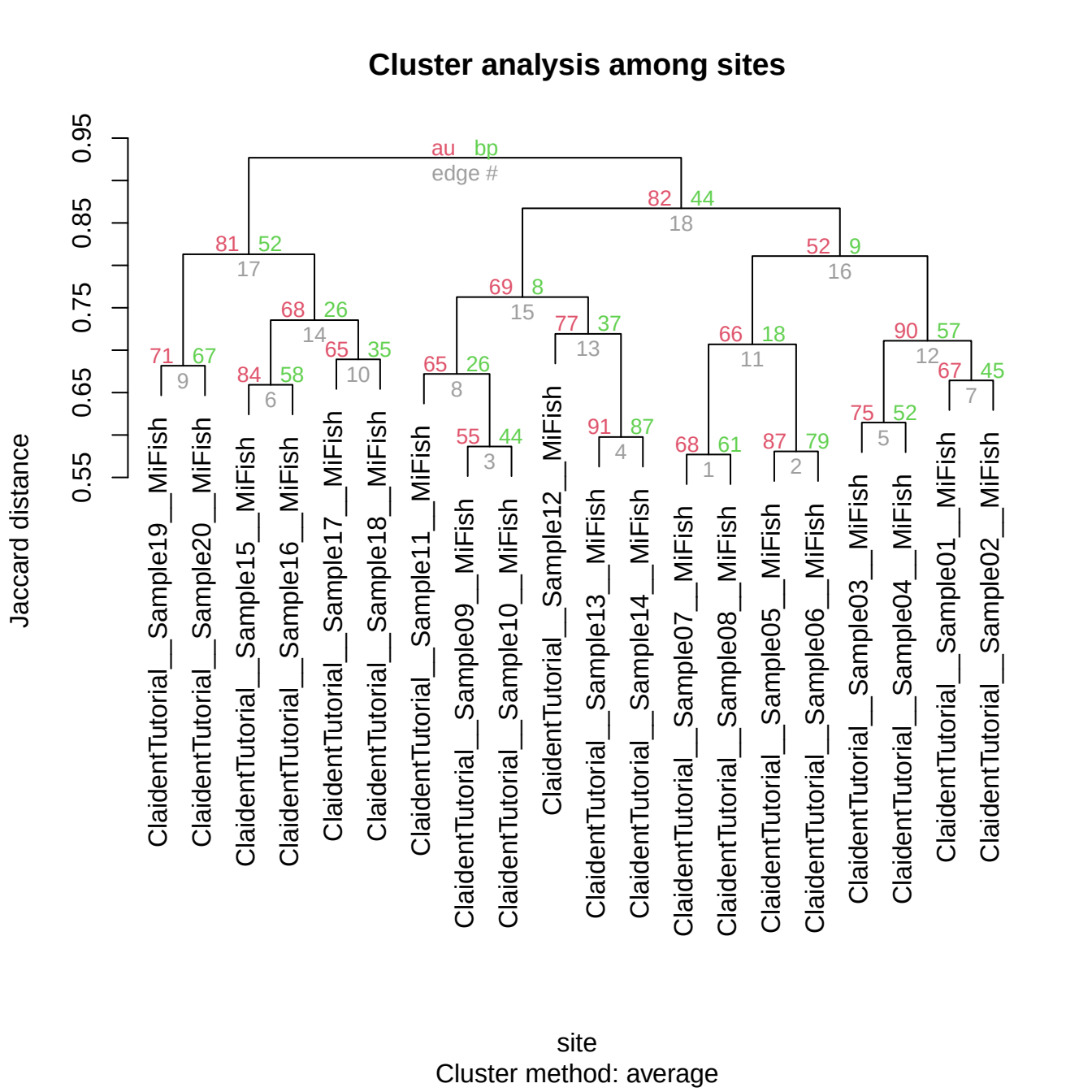

Cluster analysis among sites
au bp
edge #
Bray–Curtis distance
0.4
0.5
0.6
0.7
0.8
0.9
97 92
5
66 41
11
77 56
9
78 43
17
81 56
7
55 48
12
78 67
8
78 75
1
84 36
15
67 79
6
76 19
13
64 52
4
82 42
18
94 92
3
75 26
16
74 26
14
75 43
10
71 51
2
ClaidentTutorial__Sample12__MiFish
ClaidentTutorial__Sample13__MiFish
ClaidentTutorial__Sample14__MiFish
ClaidentTutorial__Sample15__MiFish
ClaidentTutorial__Sample16__MiFish
ClaidentTutorial__Sample17__MiFish
ClaidentTutorial__Sample18__MiFish
ClaidentTutorial__Sample19__MiFish
ClaidentTutorial__Sample20__MiFish
ClaidentTutorial__Sample01__MiFish
ClaidentTutorial__Sample02__MiFish
ClaidentTutorial__Sample03__MiFish
ClaidentTutorial__Sample04__MiFish
ClaidentTutorial__Sample05__MiFish
ClaidentTutorial__Sample10__MiFish
ClaidentTutorial__Sample11__MiFish
ClaidentTutorial__Sample08__MiFish
ClaidentTutorial__Sample09__MiFish
ClaidentTutorial__Sample06__MiFish
ClaidentTutorial__Sample07__MiFish
site
Cluster method: average

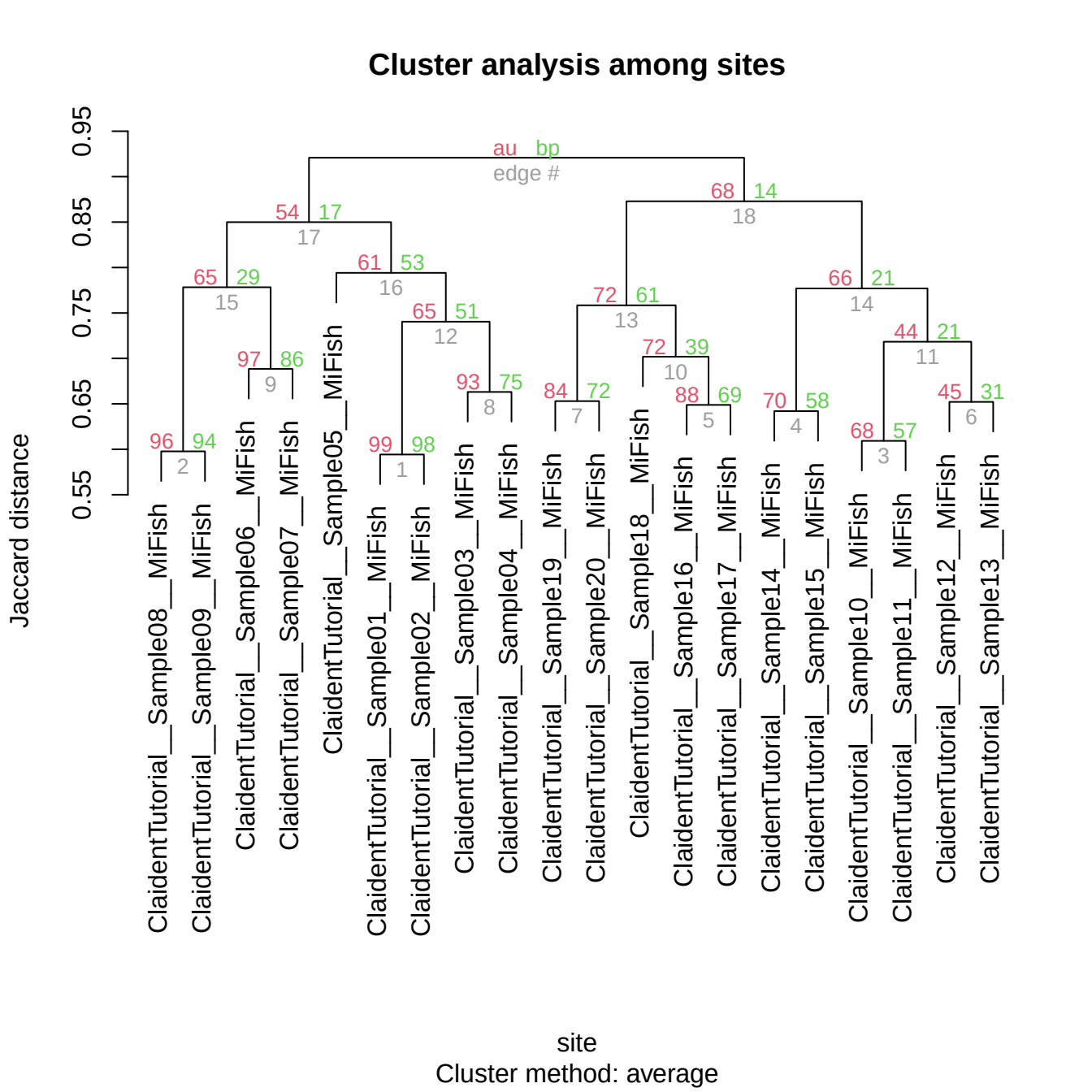

Cluster analysis among sites
Bray−Curtis distance
0.4
0.5
0.6
0.7
0.8
0.9
au bp
edge #
73 65
9
86 52
17
74 59
6
67 23
14
52 35
10
87 44
18
75 26
8
74 10
15
57 44
3
66 35
13
91 86
4
43 10
16
78 62
1
71 19
11
77 77
2
68 51
5
85 58
12
52 45
7
ClaidentTutorial__Sample19__MiFish
ClaidentTutorial__Sample20__MiFish
ClaidentTutorial__Sample15__MiFish
ClaidentTutorial__Sample16__MiFish
ClaidentTutorial__Sample17__MiFish
ClaidentTutorial__Sample18__MiFish
ClaidentTutorial__Sample11__MiFish
ClaidentTutorial__Sample09__MiFish
ClaidentTutorial__Sample10__MiFish
ClaidentTutorial__Sample12__MiFish
ClaidentTutorial__Sample13__MiFish
ClaidentTutorial__Sample14__MiFish
ClaidentTutorial__Sample07__MiFish
ClaidentTutorial__Sample08__MiFish
ClaidentTutorial__Sample05__MiFish
ClaidentTutorial__Sample06__MiFish
ClaidentTutorial__Sample03__MiFish
ClaidentTutorial__Sample04__MiFish
ClaidentTutorial__Sample01__MiFish
ClaidentTutorial__Sample02__MiFish
site
Cluster method: average

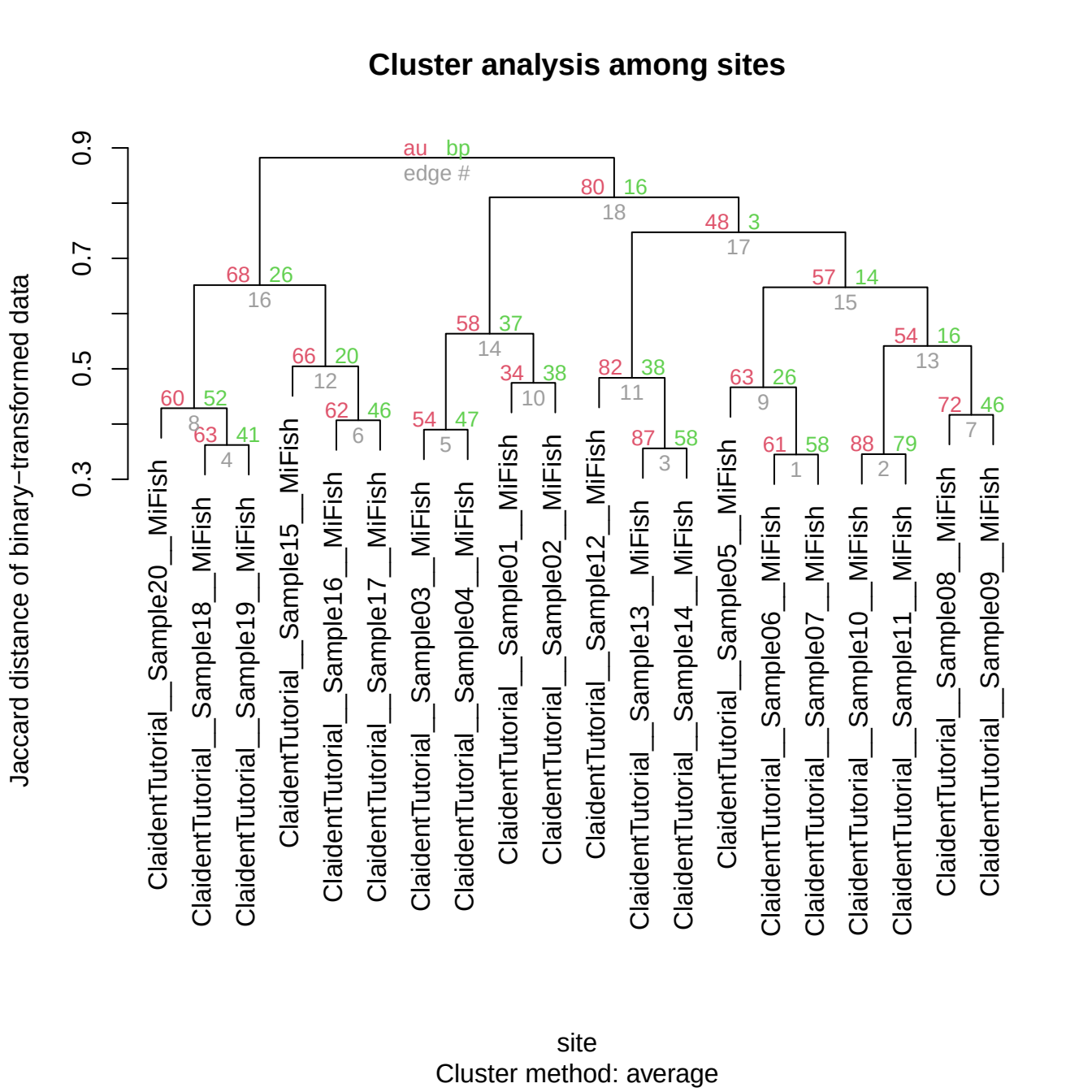

Cluster analysis among sites
Bray−Curtis distance
0.4
0.5
0.6
0.7
0.8
0.9
au bp
edge #
89 92
2
55 27
14
93 85
9
63 19
17
50 49
16
51 49
12
86 96
1
91 74
8
81 63
13
86 72
7
74 40
10
75 67
5
75 14
18
70 62
4
71 22
15
71 59
3
68 21
11
73 34
6
ClaidentTutorial__Sample08__MiFish
ClaidentTutorial__Sample09__MiFish
ClaidentTutorial__Sample06__MiFish
ClaidentTutorial__Sample07__MiFish
ClaidentTutorial__Sample05__MiFish
ClaidentTutorial__Sample01__MiFish
ClaidentTutorial__Sample02__MiFish
ClaidentTutorial__Sample03__MiFish
ClaidentTutorial__Sample04__MiFish
ClaidentTutorial__Sample19__MiFish
ClaidentTutorial__Sample20__MiFish
ClaidentTutorial__Sample18__MiFish
ClaidentTutorial__Sample16__MiFish
ClaidentTutorial__Sample17__MiFish
ClaidentTutorial__Sample14__MiFish
ClaidentTutorial__Sample15__MiFish
ClaidentTutorial__Sample10__MiFish
ClaidentTutorial__Sample11__MiFish
ClaidentTutorial__Sample12__MiFish
ClaidentTutorial__Sample13__MiFish
site
Cluster method: average

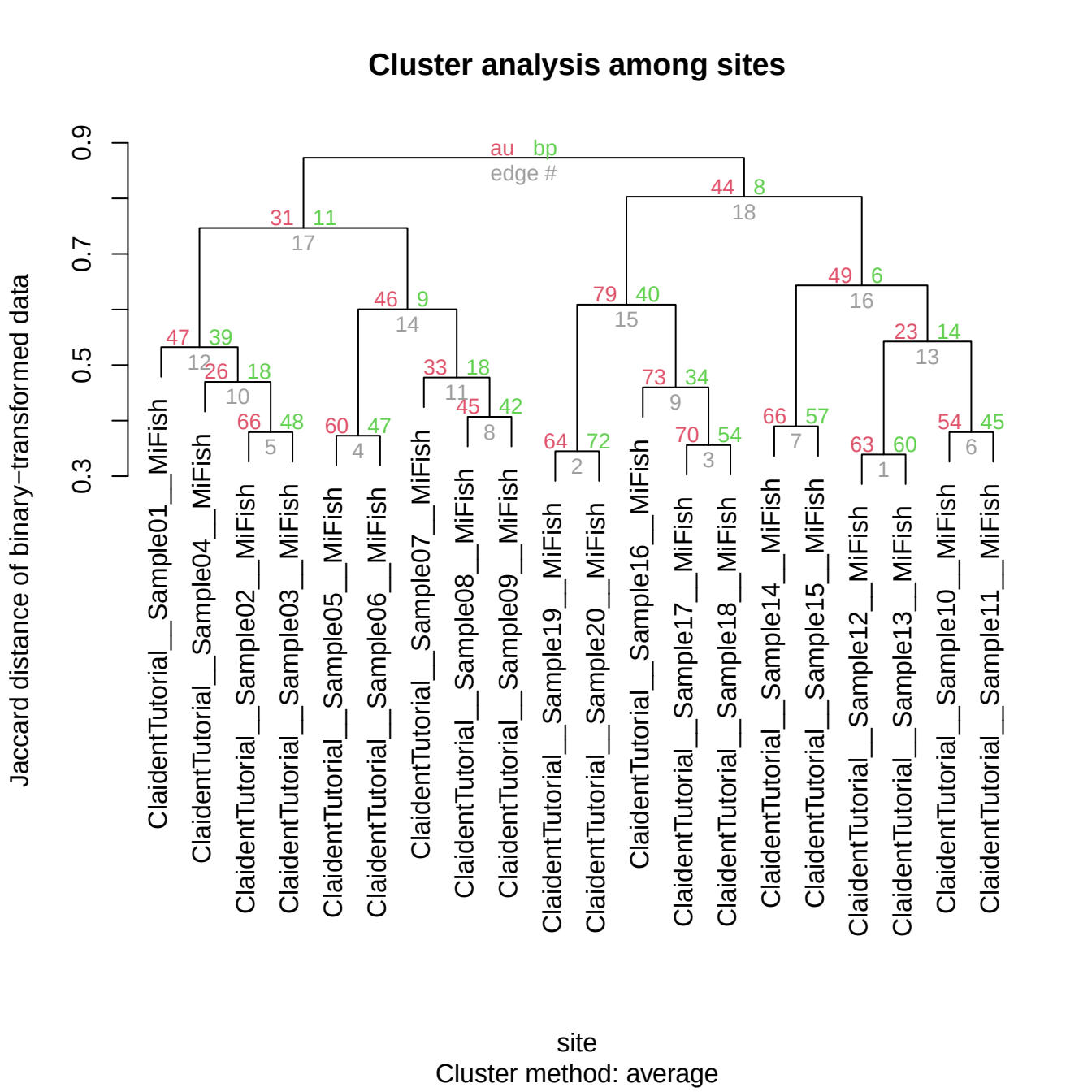

Cluster analysis among sites
Jaccard distance
0.5
0.6
0.7
0.8
0.9
au bp
edge #
83 33
18
73 42
16
69 8
17
79 43
13
53 8
14
62 12
15
89 34
10
71 17
11
67 19
12
66 67
6
93 63
7
81 49
8
61 44
9
78 73
3
89 71
5
91 79
4
96 84
2
89 86
1
ClaidentTutorial__Sample18__MiFish
ClaidentTutorial__Sample19__MiFish
ClaidentTutorial__Sample20__MiFish
ClaidentTutorial__Sample16__MiFish
ClaidentTutorial__Sample17__MiFish
ClaidentTutorial__Sample14__MiFish
ClaidentTutorial__Sample15__MiFish
ClaidentTutorial__Sample01__MiFish
ClaidentTutorial__Sample02__MiFish
ClaidentTutorial__Sample03__MiFish
ClaidentTutorial__Sample04__MiFish
ClaidentTutorial__Sample05__MiFish
ClaidentTutorial__Sample06__MiFish
ClaidentTutorial__Sample07__MiFish
ClaidentTutorial__Sample08__MiFish
ClaidentTutorial__Sample09__MiFish
ClaidentTutorial__Sample13__MiFish
ClaidentTutorial__Sample12__MiFish
ClaidentTutorial__Sample10__MiFish
ClaidentTutorial__Sample11__MiFish
site
Cluster method: average

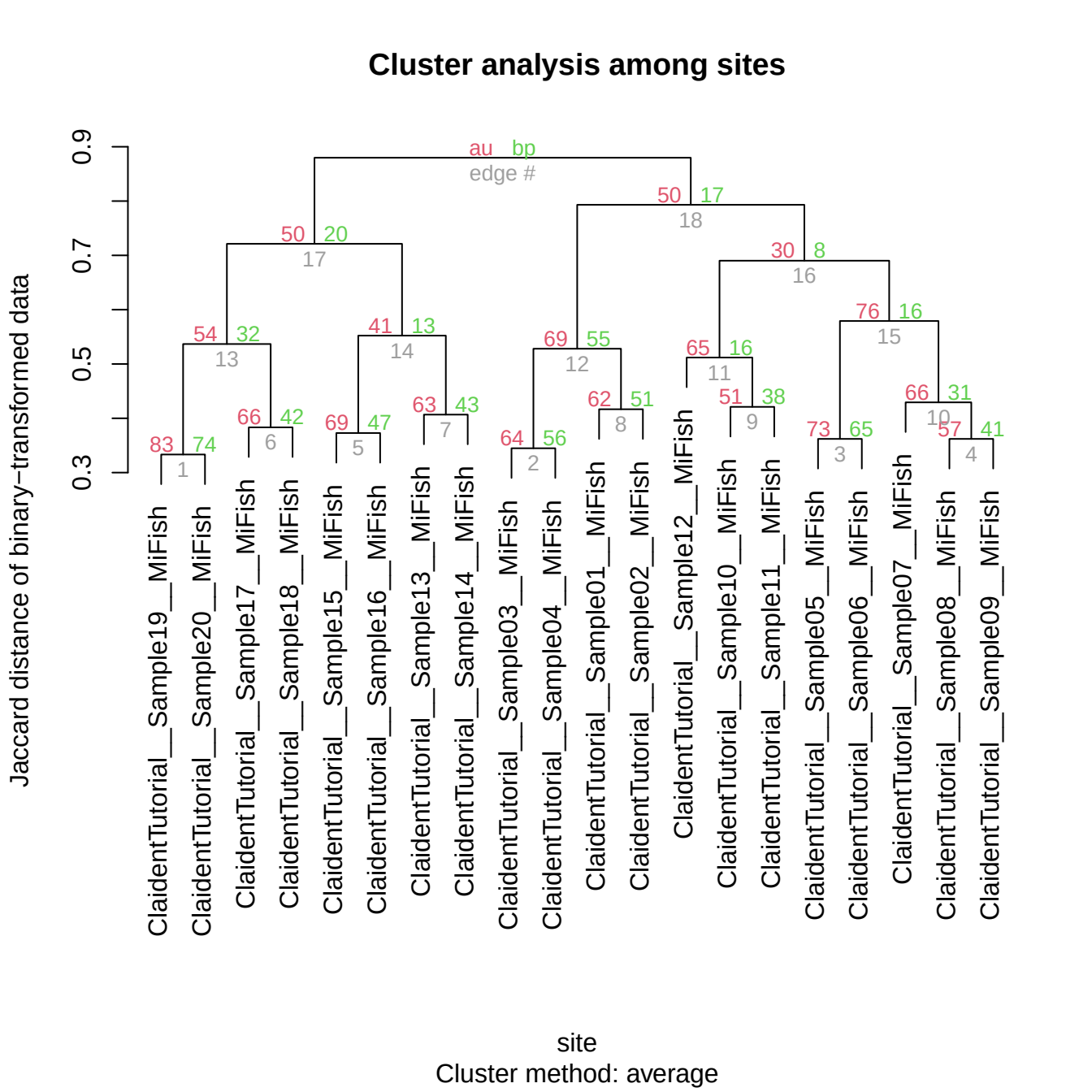

Cluster analysis among sites
Jaccard distance
0.95
0.85
0.75
0.65
0.55
au bp
edge #
61 46
17
72 45
18
47 49
11
58 43
12
68 37
15
85 20
13
76 27
16
74 28
14
87 59
7
88 71
8
74 58
9
76 79
6
74 55
4
99 94
3
79 46
10
72 74
1
100 94
5
78 56
2
ClaidentTutorial__Sample16__MiFish
ClaidentTutorial__Sample17__MiFish
ClaidentTutorial__Sample18__MiFish
ClaidentTutorial__Sample19__MiFish
ClaidentTutorial__Sample20__MiFish
ClaidentTutorial__Sample12__MiFish
ClaidentTutorial__Sample13__MiFish
ClaidentTutorial__Sample14__MiFish
ClaidentTutorial__Sample15__MiFish
ClaidentTutorial__Sample01__MiFish
ClaidentTutorial__Sample02__MiFish
ClaidentTutorial__Sample03__MiFish
ClaidentTutorial__Sample04__MiFish
ClaidentTutorial__Sample05__MiFish
ClaidentTutorial__Sample10__MiFish
ClaidentTutorial__Sample11__MiFish
ClaidentTutorial__Sample08__MiFish
ClaidentTutorial__Sample09__MiFish
ClaidentTutorial__Sample06__MiFish
ClaidentTutorial__Sample07__MiFish
site
Cluster method: average

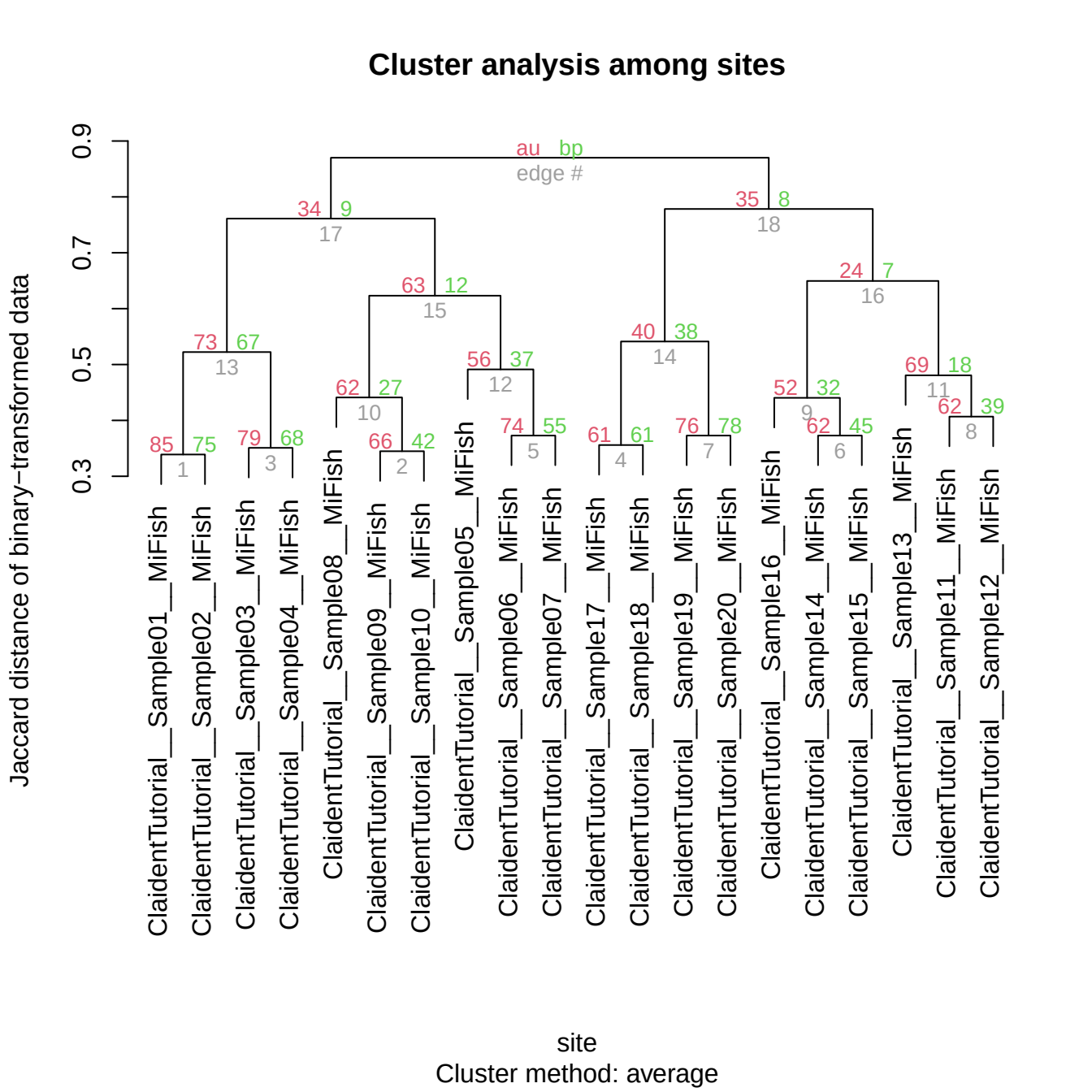

Cluster analysis among sites
Jaccard distance
0.95
0.85
0.75
0.65
0.55
au bp
edge #
81 52
17
82 44
18
68 26
14
69 8
15
52 9
16
71 67
9
84 58
6
65 35
10
65 26
8
77 37
13
66 18
11
90 57
12
55 44
3
91 87
4
68 61
1
87 79
2
75 52
5
67 45
7
ClaidentTutorial__Sample19__MiFish
ClaidentTutorial__Sample20__MiFish
ClaidentTutorial__Sample15__MiFish
ClaidentTutorial__Sample16__MiFish
ClaidentTutorial__Sample17__MiFish
ClaidentTutorial__Sample18__MiFish
ClaidentTutorial__Sample11__MiFish
ClaidentTutorial__Sample09__MiFish
ClaidentTutorial__Sample10__MiFish
ClaidentTutorial__Sample12__MiFish
ClaidentTutorial__Sample13__MiFish
ClaidentTutorial__Sample14__MiFish
ClaidentTutorial__Sample07__MiFish
ClaidentTutorial__Sample08__MiFish
ClaidentTutorial__Sample05__MiFish
ClaidentTutorial__Sample06__MiFish
ClaidentTutorial__Sample03__MiFish
ClaidentTutorial__Sample04__MiFish
ClaidentTutorial__Sample01__MiFish
ClaidentTutorial__Sample02__MiFish
site
Cluster method: average

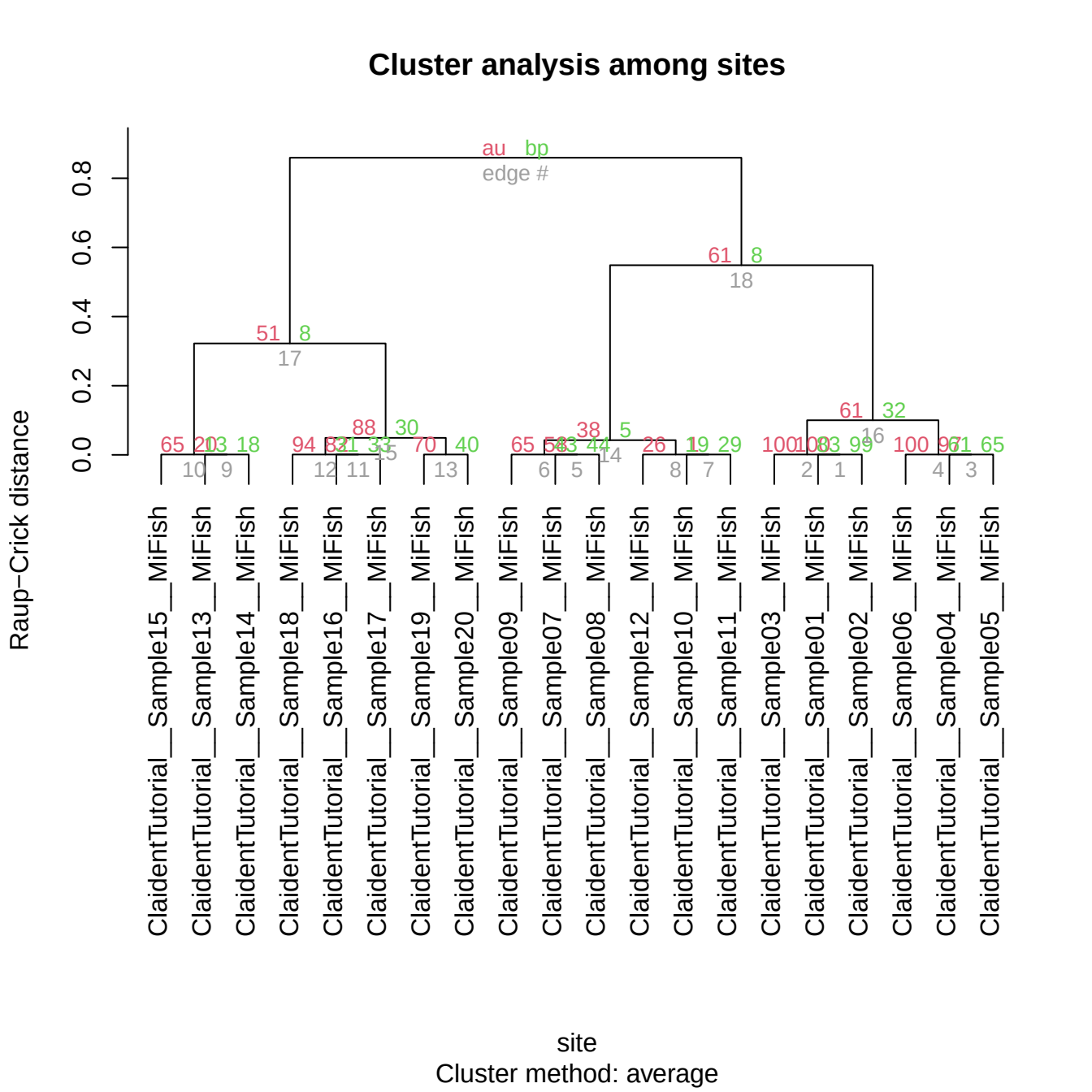

Cluster analysis among sites
Jaccard distance
0.55
0.65
0.75
0.85
0.95
au bp
edge #
96 94
2
65 29
15
54 17
17
97 86
9
61 53
16
65 51
12
93 75
8
99 98
1
84 72
7
72 61
13
72 39
10
88 69
5
70 58
4
66 21
14
68 14
18
68 57
3
44 21
11
45 31
6
ClaidentTutorial__Sample08__MiFish
ClaidentTutorial__Sample09__MiFish
ClaidentTutorial__Sample06__MiFish
ClaidentTutorial__Sample07__MiFish
ClaidentTutorial__Sample05__MiFish
ClaidentTutorial__Sample01__MiFish
ClaidentTutorial__Sample02__MiFish
ClaidentTutorial__Sample03__MiFish
ClaidentTutorial__Sample04__MiFish
ClaidentTutorial__Sample19__MiFish
ClaidentTutorial__Sample20__MiFish
ClaidentTutorial__Sample18__MiFish
ClaidentTutorial__Sample16__MiFish
ClaidentTutorial__Sample17__MiFish
ClaidentTutorial__Sample14__MiFish
ClaidentTutorial__Sample15__MiFish
ClaidentTutorial__Sample10__MiFish
ClaidentTutorial__Sample11__MiFish
ClaidentTutorial__Sample12__MiFish
ClaidentTutorial__Sample13__MiFish
site
Cluster method: average

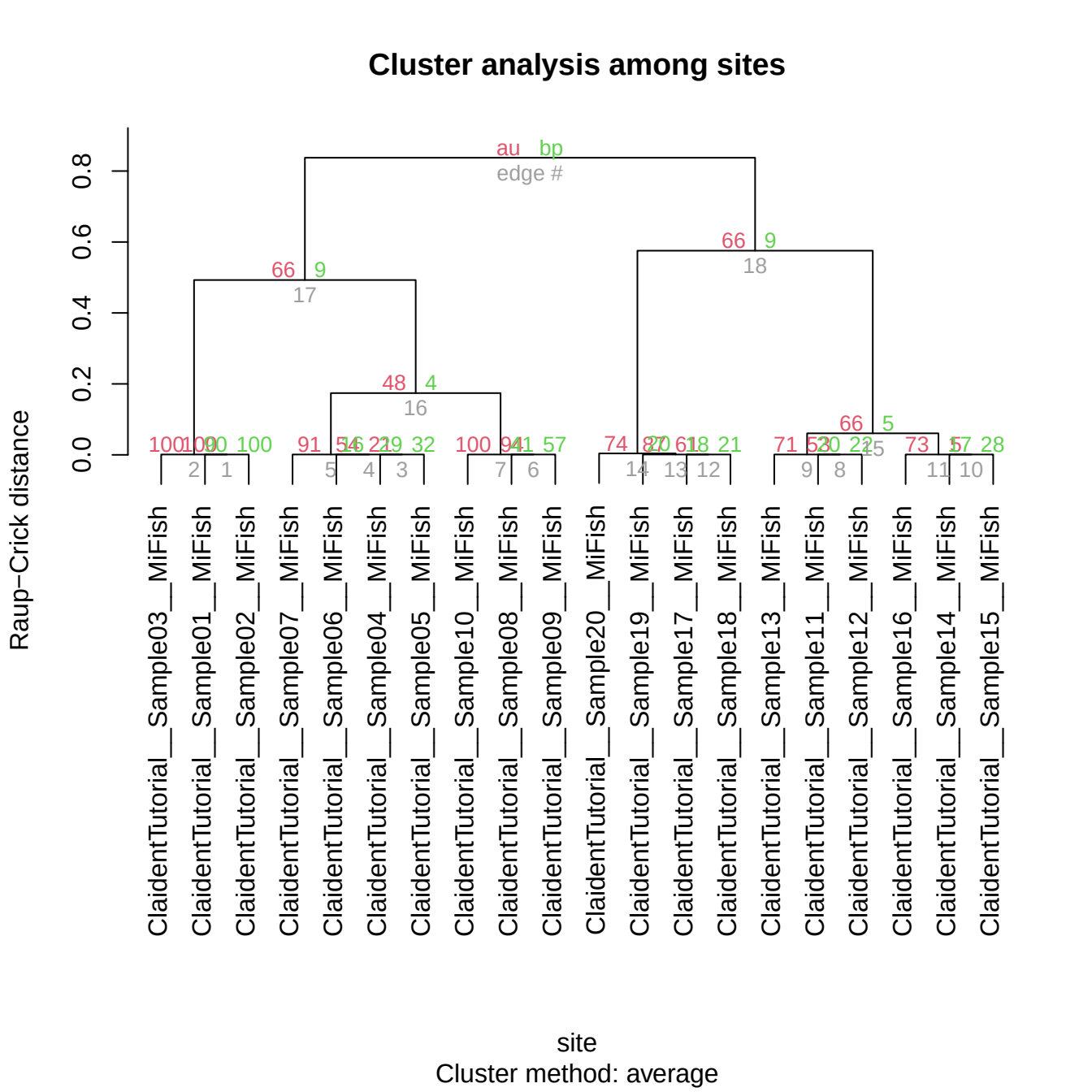

Cluster analysis among sites
Jaccard distance of binary−transformed data
0.3
0.5
0.7
0.9
au bp
edge #
60 52
8
63 41
4
68 26
16
66 20
12
62 46
6
54 47
5
58 37
14
34 38
10
80 16
18
82 38
11
87 58
3
48 3
17
63 26
9
61 58
1
57 14
15
88 79
2
54 16
13
72 46
7
ClaidentTutorial__Sample20__MiFish
ClaidentTutorial__Sample18__MiFish
ClaidentTutorial__Sample19__MiFish
ClaidentTutorial__Sample15__MiFish
ClaidentTutorial__Sample16__MiFish
ClaidentTutorial__Sample17__MiFish
ClaidentTutorial__Sample03__MiFish
ClaidentTutorial__Sample04__MiFish
ClaidentTutorial__Sample01__MiFish
ClaidentTutorial__Sample02__MiFish
ClaidentTutorial__Sample12__MiFish
ClaidentTutorial__Sample13__MiFish
ClaidentTutorial__Sample14__MiFish
ClaidentTutorial__Sample05__MiFish
ClaidentTutorial__Sample06__MiFish
ClaidentTutorial__Sample07__MiFish
ClaidentTutorial__Sample10__MiFish
ClaidentTutorial__Sample11__MiFish
ClaidentTutorial__Sample08__MiFish
ClaidentTutorial__Sample09__MiFish
site
Cluster method: average

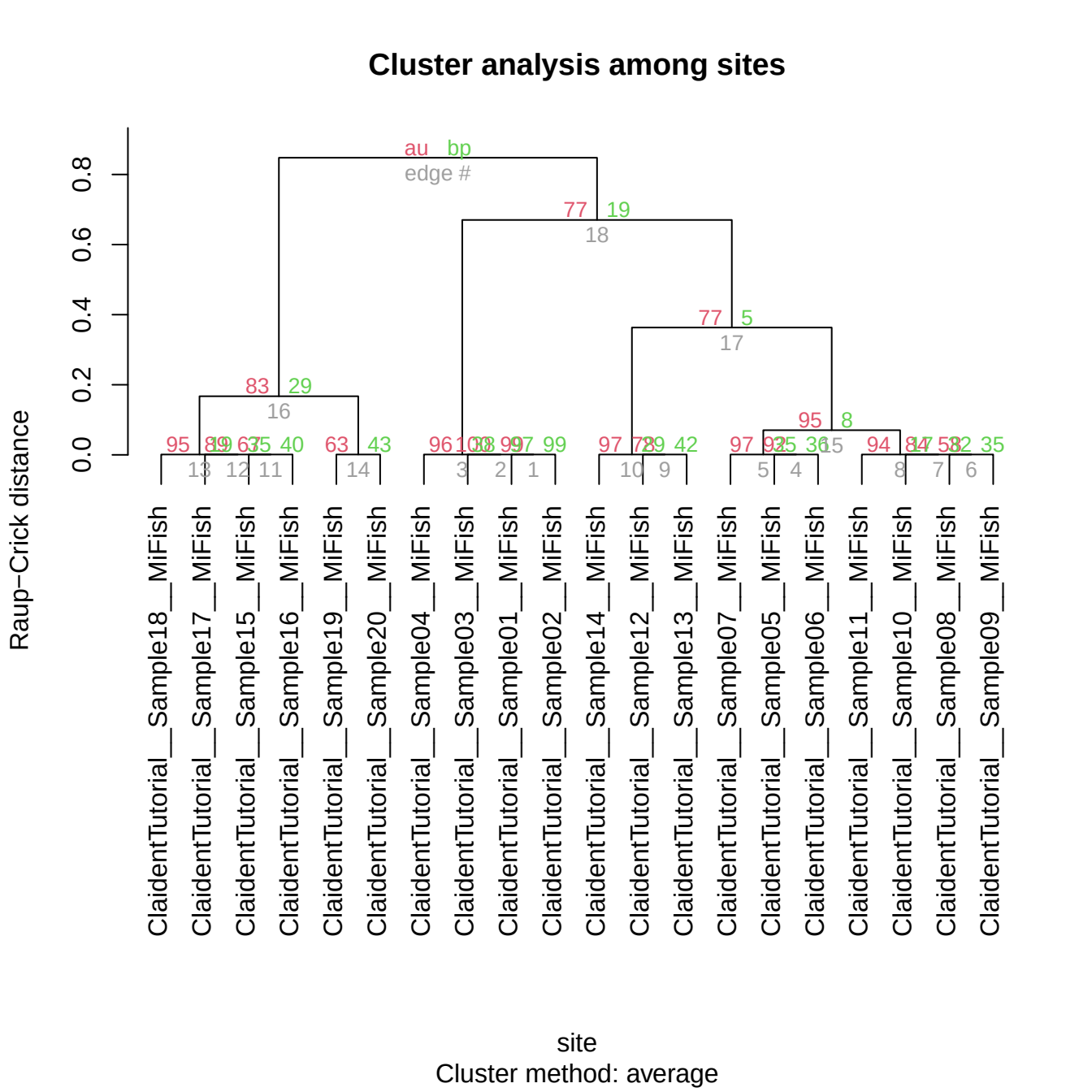

Cluster analysis among sites
Jaccard distance of binary−transformed data
0.3
0.5
0.7
0.9
au bp
edge #
31 11
17
47 39
12
26 18
10
66 48
5
46 9
14
60 47
4
33 18
11
45 42
8
44 8
18
79 40
15
64 72
2
73 34
9
70 54
3
49 6
16
66 57
7
23 14
13
63 60
1
54 45
6
ClaidentTutorial__Sample01__MiFish
ClaidentTutorial__Sample04__MiFish
ClaidentTutorial__Sample02__MiFish
ClaidentTutorial__Sample03__MiFish
ClaidentTutorial__Sample05__MiFish
ClaidentTutorial__Sample06__MiFish
ClaidentTutorial__Sample07__MiFish
ClaidentTutorial__Sample08__MiFish
ClaidentTutorial__Sample09__MiFish
ClaidentTutorial__Sample19__MiFish
ClaidentTutorial__Sample20__MiFish
ClaidentTutorial__Sample16__MiFish
ClaidentTutorial__Sample17__MiFish
ClaidentTutorial__Sample18__MiFish
ClaidentTutorial__Sample14__MiFish
ClaidentTutorial__Sample15__MiFish
ClaidentTutorial__Sample12__MiFish
ClaidentTutorial__Sample13__MiFish
ClaidentTutorial__Sample10__MiFish
ClaidentTutorial__Sample11__MiFish
site
Cluster method: average

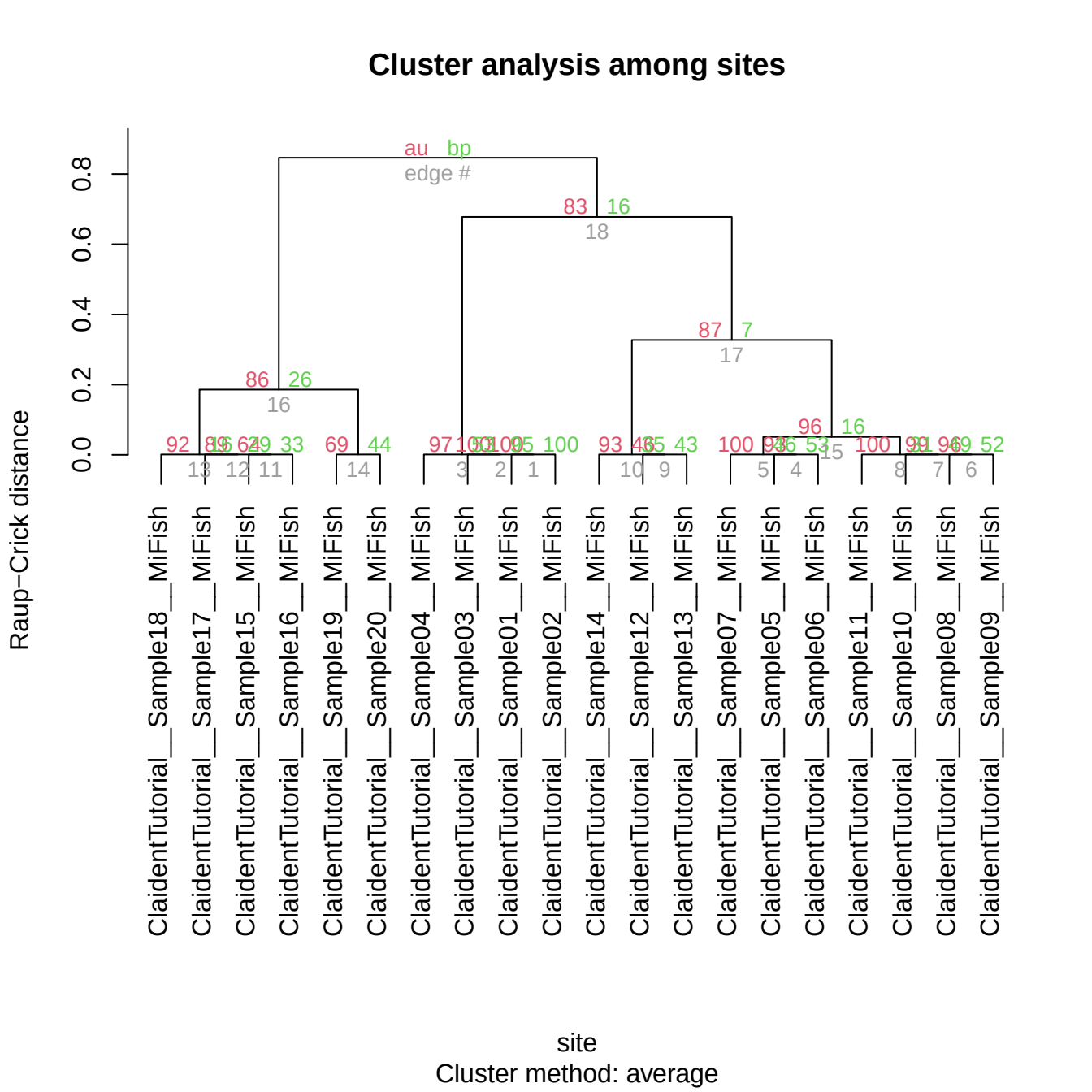

Cluster analysis among sites
Jaccard distance of binary−transformed data
0.9
0.7
0.5
0.3
au bp
edge #
50 20
17
54 32
13
41 13
14
50 17
18
69 55
12
30 8
16
76 16
15
66 31
10
65 16
11
63 43
7
69 47
5
66 42
6
64 56
2
62 51
8
51 38
9
73 65
3
83 74
1
57 41
4
ClaidentTutorial__Sample19__MiFish
ClaidentTutorial__Sample20__MiFish
ClaidentTutorial__Sample17__MiFish
ClaidentTutorial__Sample18__MiFish
ClaidentTutorial__Sample15__MiFish
ClaidentTutorial__Sample16__MiFish
ClaidentTutorial__Sample13__MiFish
ClaidentTutorial__Sample14__MiFish
ClaidentTutorial__Sample03__MiFish
ClaidentTutorial__Sample04__MiFish
ClaidentTutorial__Sample01__MiFish
ClaidentTutorial__Sample02__MiFish
ClaidentTutorial__Sample12__MiFish
ClaidentTutorial__Sample10__MiFish
ClaidentTutorial__Sample11__MiFish
ClaidentTutorial__Sample05__MiFish
ClaidentTutorial__Sample06__MiFish
ClaidentTutorial__Sample07__MiFish
ClaidentTutorial__Sample08__MiFish
ClaidentTutorial__Sample09__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 #
85 75
1
73 67
13
79 68
3
34 9
17
62 27
10
66 42
2
63 12
15
56 37
12
74 55
5
61 61
4
40 38
14
76 78
7
35 8
18
52 32
9
62 45
6
24 7
16
69 18
11
62 39
8
ClaidentTutorial__Sample01__MiFish
ClaidentTutorial__Sample02__MiFish
ClaidentTutorial__Sample03__MiFish
ClaidentTutorial__Sample04__MiFish
ClaidentTutorial__Sample08__MiFish
ClaidentTutorial__Sample09__MiFish
ClaidentTutorial__Sample10__MiFish
ClaidentTutorial__Sample05__MiFish
ClaidentTutorial__Sample06__MiFish
ClaidentTutorial__Sample07__MiFish
ClaidentTutorial__Sample17__MiFish
ClaidentTutorial__Sample18__MiFish
ClaidentTutorial__Sample19__MiFish
ClaidentTutorial__Sample20__MiFish
ClaidentTutorial__Sample16__MiFish
ClaidentTutorial__Sample14__MiFish
ClaidentTutorial__Sample15__MiFish
ClaidentTutorial__Sample13__MiFish
ClaidentTutorial__Sample11__MiFish
ClaidentTutorial__Sample12__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__Sample15__MiFish
ClaidentTutorial__Sample13__MiFish
ClaidentTutorial__Sample14__MiFish
ClaidentTutorial__Sample18__MiFish
ClaidentTutorial__Sample16__MiFish
ClaidentTutorial__Sample17__MiFish
ClaidentTutorial__Sample19__MiFish
ClaidentTutorial__Sample20__MiFish
ClaidentTutorial__Sample09__MiFish
ClaidentTutorial__Sample07__MiFish
ClaidentTutorial__Sample08__MiFish
ClaidentTutorial__Sample12__MiFish
ClaidentTutorial__Sample10__MiFish
ClaidentTutorial__Sample11__MiFish
ClaidentTutorial__Sample03__MiFish
ClaidentTutorial__Sample01__MiFish
ClaidentTutorial__Sample02__MiFish
ClaidentTutorial__Sample06__MiFish
ClaidentTutorial__Sample04__MiFish
ClaidentTutorial__Sample05__MiFish


Cluster analysis among sites
au bp
edge #
66 9
17
66 9
18
48 4
16
66 5
Raup−Crick distance
0.0
0.2
0.4
0.6
0.8
ClaidentTutorial__Sample03__MiFish
ClaidentTutorial__Sample01__MiFish
ClaidentTutorial__Sample02__MiFish
ClaidentTutorial__Sample07__MiFish
ClaidentTutorial__Sample06__MiFish
ClaidentTutorial__Sample04__MiFish
ClaidentTutorial__Sample05__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
site
Cluster method: average
ClaidentTutorial__Sample18__MiFish
ClaidentTutorial__Sample17__MiFish
ClaidentTutorial__Sample15__MiFish
ClaidentTutorial__Sample16__MiFish
ClaidentTutorial__Sample19__MiFish
ClaidentTutorial__Sample20__MiFish
ClaidentTutorial__Sample04__MiFish
ClaidentTutorial__Sample03__MiFish
ClaidentTutorial__Sample01__MiFish
ClaidentTutorial__Sample02__MiFish
ClaidentTutorial__Sample14__MiFish
ClaidentTutorial__Sample12__MiFish
ClaidentTutorial__Sample13__MiFish
ClaidentTutorial__Sample07__MiFish
ClaidentTutorial__Sample05__MiFish
ClaidentTutorial__Sample06__MiFish
ClaidentTutorial__Sample11__MiFish
ClaidentTutorial__Sample10__MiFish
ClaidentTutorial__Sample08__MiFish
ClaidentTutorial__Sample09__MiFish
77 19
18
83 29
16
77 5
17
95 8
95
63 43
14
13 12 11
3 2 1
10 9
5 4
8 7 6


Cluster analysis among sites
Raup−Crick distance
0.0
0.2
0.4
0.6
0.8
au bp
edge #
83 16
18
86 26
16
87 7
17
96 16
15
ClaidentTutorial__Sample18__MiFish
ClaidentTutorial__Sample17__MiFish
ClaidentTutorial__Sample15__MiFish
ClaidentTutorial__Sample16__MiFish
ClaidentTutorial__Sample19__MiFish
ClaidentTutorial__Sample20__MiFish
ClaidentTutorial__Sample04__MiFish
ClaidentTutorial__Sample03__MiFish
ClaidentTutorial__Sample01__MiFish
ClaidentTutorial__Sample02__MiFish
ClaidentTutorial__Sample14__MiFish
ClaidentTutorial__Sample12__MiFish
ClaidentTutorial__Sample13__MiFish
ClaidentTutorial__Sample07__MiFish
ClaidentTutorial__Sample05__MiFish
ClaidentTutorial__Sample06__MiFish
ClaidentTutorial__Sample11__MiFish
ClaidentTutorial__Sample10__MiFish
ClaidentTutorial__Sample08__MiFish
ClaidentTutorial__Sample09__MiFish
site
Cluster method: average