Mesquite version 3.61 (build 927)

Tree window for taxa "Taxa"

Showing Tree block: Imported trees

Original Tree: tree 1 (id 1, version 1234)

Tree Description: ((Tuber_melanosporum_Mel28:0.184784,Pyronema_omphalodes_CBS_100304:0.262092):0.126376,((('Sclerotinia sclerotiorum 1980 UF-70':0.024997,Botrytis_cinerea:0.022226):0.14442,(Neurospora_crassa_OR74A:0.183134,Fusarium_graminearum:0.205006):0.120148):0.077337,((Coccidioides_immitis_RS:0.154582,Aspergillus_nidulans:0.185136):0.131301,((Viridothelium_virens:0.227357,(((Myriangium_duriaei:0.114022,Elsinoe_ampelina:0.12453):0.123093,(Delphinella_strobiligena:0.128147,(('Aureobasidium subglaciale ':0.025909,'Aureobasidium pullulans ':0.029722):0.005706,(Aureobasidium_namibiae:0.02405,Aureobasidium_melanogenum:0.02419):0.007508):0.115492):0.053818):0.038813,(Polychaeton_citri:0.176668,((Piedraia_hortae:0.294874,(Baudoinia_panamericana:0.130462,(Teratosphaeria_nubilosa:0.118562,Acidomyces_richmondensis:0.13014):0.021068):0.0071):0.034879,(Hortaea_acidophila:0.175878,(Dissoconium_aciculare:0.173513,(('Zymoseptoria ardabiliae':0.006769,(Zymoseptoria_tritici:0.004563,'Zymoseptoria pseudotritici':0.003675):0.002454):0.12865,((Zasmidium_cellare:0.080428,(Passalora_fulva:0.023299,Dothistroma_septosporum:0.028257):0.089461):0.020818,(Pseudocercospora_fijiensis:0.087433,('Cercospora zeae-maydis':0.06009,(Sphaerulina_populicola:0.008789,Sphaerulina_musiva:0.005604):0.062991):0.069861):0.029454):0.012363):0.023304):0.035111):0.013723):0.027539):0.071996):0.06139):0.022615,(((Rhizodiscina_lignyota:0.187005,Aulographum_hederae:0.214582):0.027644,(Eremomyces_bilateralis:0.274339,(Microthyrium_microscopicum:0.309542,(Trichodelitschia_bisporula:0.191927,(Verruconis_gallopava:0.194225,(Tothia_fuscella:0.136511,(Venturia_pyrina:0.016425,Venturia_inaequalis:0.020976):0.135088):0.029749):0.035143):0.035173):0.045107):0.015553):0.024423,(Lineolata_rhizophorae:0.25002,((Patellaria_atrata:0.178919,Coniosporium_apollinis:0.153189):0.020379,((Saccharata_proteae:0.123549,(Aplosporella_prunicola:0.106041,(Phyllosticta_citriasiana:0.130208,((Dothiorella_sarmentorum_KEdek:0.055749,(Neofusicoccum_parvum:0.001704,(Neofusicoccum_cordaticola:0.001983,(Neofusicoccum_kwambonambiense:0.001506,(Neofusicoccum_ribis:0.001246,Neofusicoccum_umdonicola:0.00065):0.000775):0.000312):0.000756):0.026413):0.010015,((Neoscytalidium_dimidiatum:0.025442,(Macrophomina_phaseolina:0.026383,(Botryosphaeria_kuwatsukai:0.002555,Botryosphaeria_dothidea:0.005159):0.022634):0.009703):0.010964,((Lasiodiplodia_gonubiensis:0.012248,(Lasiodiplodia_pseudotheobromae:0.003848,(Lasiodiplodia_citricola_KE87127:0.001812,'Lasiodiplodia theobromae':0.002405):0.001834):0.006963):0.012571,(Diplodia_corticola:0.0187,(Diplodia_mutila_KE84208:0.01058,(Diplodia_seriata:0.003047,(Diplodia_scrobiculata:0.002789,Diplodia_sapinea:0.002752):0.001559):0.010382):0.004868):0.019805):0.024507):0.006924):0.054302):0.024676):0.029759):0.063087,(Pseudovirgaria_hyperparasitica:0.234491,(((Mytilinidion_resinicola:0.015776,Lophium_mytilinum:0.016322):0.10642,(Lepidopterella_palustris:0.080027,(Glonium_stellatum:0.024867,Cenococcum_geophilum:0.02622):0.043448):0.011133):0.014424,((Rhytidhysteron_rufulum:0.098617,Hysterium_pulicare:0.064345):0.019079,(Delitschia_confertaspora:0.114036,((Zopfia_rhizophila:0.065906,(Lindgomyces_ingoldianus:0.039812,Clohesyomyces_aquaticus:0.065339):0.032652):0.006842,((Didymosphaeria_enalia:0.077903,(Polyplosphaeria_fusca:0.101659,Lophiotrema_nucula:0.075886):0.017304):0.019381,(Amniculicola_lignicola:0.128405,((Lophiostoma_macrostomum:0.093254,(Aaosphaeria_arxii:0.103613,(Westerdykella_ornata:0.074373,Sporormia_fimetaria:0.094832):0.042677):0.011934):0.013077,((Pleomassaria_siparia:0.05681,'Melanomma pulvis-pyrius':0.027465):0.067258,(Massariosphaeria_phaeospora:0.105483,((Trematosphaeria_pertusa:0.057982,(Lentithecium_fluviatile:0.069704,((Periconia_macrospinosa:0.070955,(Massarina_eburnea:0.055303,Byssothecium_circinans:0.039054):0.030382):0.036909,('Bimuria novae-zelandiae':0.042308,(Paraphaeosphaeria_sporulosa:0.014627,Karstenula_rhodostoma:0.017515):0.034048):0.063844):0.013699):0.017877):0.02017,((Didymella_exigua:0.039119,(Macroventuria_anomochaeta:0.01772,Lizonia_empirigonia:0.030969):0.005499):0.070561,(Dothidotthia_symphoricarpi:0.078093,(((Setomelanomma_holmii:0.041223,Ophiobolus_disseminans:0.049557):0.006588,(Parastagonospora_nodorum:0.057256,(Stagonospora_sp.:0.036822,Ampelomyces_quisqualis:0.04176):0.010854):0.011829):0.03405,((Pyrenochaeta_sp.:0.055654,Cucurbitaria_berberidis:0.040598):0.011166,((Plenodomus_tracheiphilus:0.021487,Leptosphaeria_maculans:0.031205):0.04863,(Clathrospora_elynae:0.048148,(Decorospora_gaudefroyi:0.040205,((('Pyrenophora tritici-repentis':0.013049,'Pyrenophora teres':0.006591):0.034873,(Alternaria_brassicicola:0.018852,Alternaria_alternata:0.008881):0.021091):0.005102,(Setosphaeria_turcica:0.029733,(Curvularia_lunata:0.020117,(Bipolaris_maydis:0.005265,(('Bipolaris zeicola':0.000524,Bipolaris_victoriae:0.003756):0.007226,(Bipolaris_sorokiniana:0.006397,Bipolaris_oryzae:0.005549):0.000466):0.004707):0.017765):0.012856):0.024308):0.012964):0.013385):0.016793):0.009691):0.013401):0.014328):0.010348):0.06017):0.013518):0.010682):0.009388):0.008068):0.006457):0.016156):0.028455):0.035808):0.030842):0.050296):0.026926):0.012045):0.011587):0.012637):0.025838):0.068768):0.027079):0.126376);
Tree with node numbers:

```
247 Tuber melanosporum Mel28
248 Pyronema omphalodes CBS 100304
6 Sclerotinia sclerotiorum 1980 UF-70
7 Botrytis cinerea
9 Neurospora crassa OR74A
10 Fusarium graminearum
13 Coccidioides immitis RS
14 Aspergillus nidulans
198 Viridothelium virens
202 Myriangium duriaei
203 Elsinoe ampelina
205 Delphinella strobiligena
207 Aureobasidium subglaciale
208 Aureobasidium pullulans
210 Aureobasidium namibiae
211 Aureobasidium melanogenum
214 Polychaeton citri
217 Piedraia hortae
218 Baudoinia panamericana
219 Teratosphaeria nubilosa
220 Acidomyces richmondensis
224 Hortaea acidophila
226 Dissoconium aciculare
229 Zymoseptoria ardabiliae
230 Zymoseptoria tritici
231 Zymoseptoria pseudotritici
235 Zasmidium cellare
237 Passalora fulva
238 Dothistroma septosporum
240 Pseudocercospora fijiensis
242 Cercospora zeae-maydis
244 Sphaerulina populicola
245 Sphaerulina musiva
195 Rhizodiscina lignyota
196 Aulographum hederae
182 Eremomyces bilateralis
183 Microthyrium microscopicum
184 Trichodelitschia bisporula
185 Verruconis gallopava
186 Tothia fuscella
187 Venturia pyrina
188 Venturia inaequalis
18 Lineolata rhizophorae
177 Patellaria atrata
178 Coniosporium apollinis
134 Saccharata proteae
135 Aplosporella prunicola
136 Phyllosticta citriasiana
163 Dothiorella sarmentorum KEdek
165 Neofusicoccum parvum
166 Neofusicoccum cordaticola
167 Neofusicoccum kwambonambiense
168 Neofusicoccum ribis
169 Neofusicoccum umdonicola
156 Neoscytalidium dimidiatum
158 Macrophomina phaseolina
159 Botryosphaeria kuwatsukai
160 Botryosphaeria dothidea
149 Lasiodiplodia gonubiensis
150 Lasiodiplodia pseudotheobromae
151 Lasiodiplodia citricola KE87127
152 Lasiodiplodia theobromae
140 Diplodia corticola
141 Diplodia mutila KE84208
143 Diplodia seriata
144 Diplodia scrobiculata
145 Diplodia sapinea
21 Pseudovirgaria hyperparasitica
125 Mytilinidion resinicola
126 Lophium mytilinum
128 Lepidopterella palustris
130 Glonium stellatum
131 Cenococcum geophilum
121 Rhytidhysteron rufulum
122 Hysterium pulicare
24 Delitschia confertaspora
115 Zopfia rhizophila
116 Lindgomyces ingoldianus
117 Clohesyomyces aquaticus
110 Didymosphaeria enalia
111 Polyplosphaeria fusca
112 Lophiotrema nucula
27 Amniculicola lignicola
29 Lophiostoma macrostomum
30 Aaosphaeria arxii
31 Westerdykella ornata
32 Sporormia fimetaria
106 Pleomassaria siparia
107 Melanomma pulvis-pyrius
37 Massariosphaeria phaeospora
39 Trematosphaeria pertusa
41 Lentithecium fluviatile
43 Periconia macrospinosa
45 Massarina eburnea
46 Byssothecium circinans
48 Bimuria novae-zelandiae
49 Paraphaeosphaeria sporulosa
50 Karstenula rhodostoma
100 Didymella exigua
101 Macroventuria anomochaeta
102 Lizonia empirigonia
55 Dothidotthia symphoricarpi
91 Setomelanomma holmii
92 Ophiobolus disseminans
94 Parastagonospora nodorum
96 Stagonospora sp.
97 Ampelomyces quisqualis
87 Pyrenochaeta sp.
88 Cucurbitaria berberidis
84 Plenodomus tracheiphilus
85 Leptosphaeria maculans
59 Clathrospora elynae
60 Decorospora gaudefroyi
63 Pyrenophora tritici-repentis
64 Pyrenophora teres
66 Alternaria brassicicola
67 Alternaria alternata
69 Setosphaeria turcica
71 Curvularia lunata
73 Bipolaris maydis
75 Bipolaris zeicola
76 Bipolaris victoriae
78 Bipolaris sorokiniana
79 Bipolaris oryzae
```

Branch lengths

Node	Term/Int	Length
node 2:	Internal	1.7975133655488295E308
node 3:	Internal	0.126376
node 4:	Internal	0.077337
node 5:	Internal	0.14442
node 6:	Terminal	0.024997
node 7:	Terminal	0.022226
node 8:	Internal	0.120148
node 9:	Terminal	0.183134
node 10:	Terminal	0.205006
node 11:	Internal	0.027079
node 12:	Internal	0.131301
node 13:	Terminal	0.154582
node 14:	Terminal	0.185136
node 15:	Internal	0.068768
node 16:	Internal	0.022615
node 17:	Internal	0.024423
node 18:	Terminal	0.25002
node 19:	Internal	0.020379
node 20:	Internal	0.063087
node 21:	Terminal	0.234491
node 22:	Internal	0.014424
node 23:	Internal	0.019079
node 24:	Terminal	0.114036
node 25:	Internal	0.006842
node 26:	Internal	0.019381
node 27:	Terminal	0.128405
node 28:	Internal	0.013077
node 29:	Terminal	0.093254
node 30:	Terminal	0.103613
node 31:	Terminal	0.074373
node 32:	Terminal	0.094832
node 33:	Internal	0.042677
node 34:	Internal	0.011934
node 35:	Internal	0.009388
node 36:	Internal	0.067258
node 37:	Terminal	0.105483
node 38:	Internal	0.02017
node 39:	Terminal	0.057982
node 40:	Internal	0.017877
node 41:	Terminal	0.069704
node 42:	Internal	0.036909
node 43:	Terminal	0.070955
node 44:	Internal	0.030382
node 45:	Terminal	0.055303
node 46:	Terminal	0.039054
node 47:	Internal	0.063844
node 48:	Terminal	0.042308
node 49:	Terminal	0.014627
node 50:	Terminal	0.017515
node 51:	Internal	0.034048
node 52:	Internal	0.013699
node 53:	Internal	0.06017
node 54:	Internal	0.070561
node 55:	Terminal	0.078093
node 56:	Internal	0.03405
node 57:	Internal	0.011166
node 58:	Internal	0.04863
node 59:	Terminal	0.048148
node 60:	Terminal	0.040205
node 61:	Internal	0.005102
node 62:	Internal	0.034873
node 63:	Terminal	0.013049
node 64:	Terminal	0.006591
node 65:	Internal	0.021091
node 66:	Terminal	0.018852
node 67:	Terminal	0.008881
node 68:	Internal	0.024308
node 69:	Terminal	0.029733
node 70:	Internal	0.012856
node 71:	Terminal	0.020117
node 72:	Internal	0.017765
node 73:	Terminal	0.005265
node 74:	Internal	0.007226
node 75:	Terminal	5.24E-4
node 76:	Terminal	0.003756
node 77:	Internal	4.66E-4
node 78:	Terminal	0.006397
node 79:	Terminal	0.005549
node 80:	Internal	0.004707
node 81:	Internal	0.012964
node 82:	Internal	0.013385
node 83:	Internal	0.016793
node 84:	Terminal	0.021487
node 85:	Terminal	0.031205
node 86:	Internal	0.009691
node 87:	Terminal	0.055654
node 88:	Terminal	0.040598
node 89:	Internal	0.013401
node 90:	Internal	0.006588
node 91:	Terminal	0.041223
node 92:	Terminal	0.049557
node 93:	Internal	0.011829
node 94:	Terminal	0.057256
node 95:	Internal	0.010854
node 96:	Terminal	0.036822
node 97:	Terminal	0.04176
node 98:	Internal	0.014328
node 99:	Internal	0.010348
node 100:	Terminal	0.039119
node 101:	Terminal	0.01772
node 102:	Terminal	0.030969
node 103:	Internal	0.005499
node 104:	Internal	0.013518
node 105:	Internal	0.010682
node 106:	Terminal	0.05681
node 107:	Terminal	0.027465
node 108:	Internal	0.008068
node 109:	Internal	0.006457
node 110:	Terminal	0.077903
node 111:	Terminal	0.101659
node 112:	Terminal	0.075886
node 113:	Internal	0.017304
node 114:	Internal	0.016156
node 115:	Terminal	0.065906
node 116:	Terminal	0.039812
node 117:	Terminal	0.065339
node 118:	Internal	0.032652
node 119:	Internal	0.028455
node 120:	Internal	0.035808
node 121:	Terminal	0.098617
node 122:	Terminal	0.064345
node 123:	Internal	0.030842
node 124:	Internal	0.10642
node 125:	Terminal	0.015776
node 126:	Terminal	0.016322
node 127:	Internal	0.011133
node 128:	Terminal	0.080027
node 129:	Internal	0.043448
node 130:	Terminal	0.024867
node 131:	Terminal	0.02622
node 132:	Internal	0.050296
node 133:	Internal	0.026926
node 134:	Terminal	0.123549
node 135:	Terminal	0.106041
node 136:	Terminal	0.130208
node 137:	Internal	0.010015
node 138:	Internal	0.010964
node 139:	Internal	0.012571
node 140:	Terminal	0.0187
node 141:	Terminal	0.01058
node 142:	Internal	0.010382
node 143:	Terminal	0.003047
node 144:	Terminal	0.002789
node 145:	Terminal	0.002752
node 146:	Internal	0.001559
node 147:	Internal	0.004868
node 148:	Internal	0.019805
node 149:	Terminal	0.012248
node 150:	Terminal	0.003848
node 151:	Terminal	0.001812
node 152:	Terminal	0.002405
node 153:	Internal	0.001834
node 154:	Internal	0.006963
node 155:	Internal	0.024507
node 156:	Terminal	0.025442
node 157:	Internal	0.009703
node 158:	Terminal	0.026383
node 159:	Terminal	0.002555
node 160:	Terminal	0.005159
node 161:	Internal	0.022634
node 162:	Internal	0.006924
node 163:	Terminal	0.055749
node 164:	Internal	0.026413
node 165:	Terminal	0.001704
node 166:	Terminal	0.001983
node 167:	Terminal	0.001506
node 168:	Terminal	0.001246
node 169:	Terminal	6.5E-4
node 170:	Internal	7.75E-4
node 171:	Internal	3.12E-4
node 172:	Internal	7.56E-4
node 173:	Internal	0.054302
node 174:	Internal	0.024676
node 175:	Internal	0.029759
node 176:	Internal	0.012045
node 177:	Terminal	0.178919
node 178:	Terminal	0.153189
node 179:	Internal	0.011587
node 180:	Internal	0.012637
node 181:	Internal	0.027644
node 182:	Terminal	0.274339
node 183:	Terminal	0.309542
node 184:	Terminal	0.191927
node 185:	Terminal	0.194225
node 186:	Terminal	0.136511
node 187:	Terminal	0.016425
node 188:	Terminal	0.020976
node 189:	Internal	0.135088
node 190:	Internal	0.029749
node 191:	Internal	0.035143
node 192:	Internal	0.035173
node 193:	Internal	0.045107
node 194:	Internal	0.015553
node 195:	Terminal	0.187005
node 196:	Terminal	0.214582
node 197:	Internal	0.025838
node 198:	Terminal	0.227357
node 199:	Internal	0.06139
node 200:	Internal	0.038813
node 201:	Internal	0.123093
node 202:	Terminal	0.114022
node 203:	Terminal	0.12453
node 204:	Internal	0.053818
node 205:	Terminal	0.128147
node 206:	Internal	0.005706
node 207:	Terminal	0.025909
node 208:	Terminal	0.029722
node 209:	Internal	0.007508
node 210:	Terminal	0.02405
node 211:	Terminal	0.02419
node 212:	Internal	0.115492
node 213:	Internal	0.071996
node 214:	Terminal	0.176668
node 215:	Internal	0.027539
node 216:	Internal	0.034879
node 217:	Terminal	0.294874
node 218:	Terminal	0.130462
node 219:	Terminal	0.118562
node 220:	Terminal	0.13014
node 221:	Internal	0.021068
node 222:	Internal	0.0071
node 223:	Internal	0.013723
node 224:	Terminal	0.175878
node 225:	Internal	0.035111
node 226:	Terminal	0.173513
node 227:	Internal	0.023304
node 228:	Internal	0.12865
node 229:	Terminal	0.006769
node 230:	Terminal	0.004563
node 231:	Terminal	0.003675
node 232:	Internal	0.002454
node 233:	Internal	0.012363
node 234:	Internal	0.020818
node 235:	Terminal	0.080428
node 236:	Internal	0.089461
node 237:	Terminal	0.023299
node 238:	Terminal	0.028257
node 239:	Internal	0.029454
node 240:	Terminal	0.087433
node 241:	Internal	0.069861
node 242:	Terminal	0.06009
node 243:	Internal	0.062991
node 244:	Terminal	0.008789
node 245:	Terminal	0.005604
node 246:	Internal	0.126376
node 247:	Terminal	0.184784
node 248:	Terminal	0.262092

--------------- Trace Character History ---------------

Character 1: npp
Marginal prob. recon. with model Mk1 (est.) [rate 1.59962564 [est.]] -log L.:54.84261106 (Opt.: width 0.0) Reporting likelihoods a
categorical) (id# 1118)

node 2: nonplant pathogen: 0.89316035*, plant pathogen: 0.10683965
node 3: nonplant pathogen: 0.94134698*, plant pathogen: 0.05865302
node 4: nonplant pathogen: 0.60875529, plant pathogen: 0.39124471
node 5: nonplant pathogen: 0.00391131, plant pathogen: 0.99608869*
node 6: plant pathogen: 1
node 7: plant pathogen: 1
node 8: nonplant pathogen: 0.58814293, plant pathogen: 0.41185707
node 9: nonplant pathogen: 1
node 10: plant pathogen: 1
node 11: nonplant pathogen: 0.96133881*, plant pathogen: 0.03866119
node 12: nonplant pathogen: 0.97657503*, plant pathogen: 0.02342497
node 13: nonplant pathogen: 1
node 14: nonplant pathogen: 1
node 15: nonplant pathogen: 0.99830057*, plant pathogen: 0.00169943
node 16: nonplant pathogen: 0.99718361*, plant pathogen: 0.00281639
node 17: nonplant pathogen: 0.99949087*, plant pathogen: 0.00050913
node 18: nonplant pathogen: 1
node 19: nonplant pathogen: 0.99660903*, plant pathogen: 0.00339097
node 20: nonplant pathogen: 0.09844445, plant pathogen: 0.90155555*
node 21: nonplant pathogen: 1
node 22: nonplant pathogen: 0.99985609*, plant pathogen: 0.00014391
node 23: nonplant pathogen: 0.99945421*, plant pathogen: 0.00054579
node 24: nonplant pathogen: 1
node 25: nonplant pathogen: 0.99992329*, plant pathogen: 0.00007671
node 26: nonplant pathogen: 0.99981695*, plant pathogen: 0.00018305
node 27: nonplant pathogen: 1
node 28: nonplant pathogen: 0.99989566*, plant pathogen: 0.00010434
node 29: nonplant pathogen: 1
node 30: nonplant pathogen: 1
node 31: nonplant pathogen: 1
node 32: nonplant pathogen: 1
node 33: nonplant pathogen: 0.99872183*, plant pathogen: 0.00127817
node 34: nonplant pathogen: 0.99968652*, plant pathogen: 0.00031348
node 35: nonplant pathogen: 0.99990489*, plant pathogen: 0.00009511
node 36: nonplant pathogen: 0.99957038*, plant pathogen: 0.00042962
node 37: nonplant pathogen: 1
node 38: nonplant pathogen: 0.99947401*, plant pathogen: 0.00052599
node 39: nonplant pathogen: 1
node 40: nonplant pathogen: 0.99985588*, plant pathogen: 0.00014412
node 41: nonplant pathogen: 1
node 42: nonplant pathogen: 0.99962262*, plant pathogen: 0.00037738
node 43: nonplant pathogen: 1
node 44: nonplant pathogen: 0.99969442*, plant pathogen: 0.00030558
node 45: nonplant pathogen: 1
node 46: nonplant pathogen: 1
node 47: nonplant pathogen: 0.99961502*, plant pathogen: 0.00038498
node 48: nonplant pathogen: 1
node 49: nonplant pathogen: 1
node 50: nonplant pathogen: 1
node 51: nonplant pathogen: 0.99995978*, plant pathogen: 0.00004022
node 52: nonplant pathogen: 0.99981536*, plant pathogen: 0.00018464
node 53: nonplant pathogen: 0.42959419, plant pathogen: 0.57040581
node 54: nonplant pathogen: 0.65448765, plant pathogen: 0.34551235
node 55: plant pathogen: 1
node 56: nonplant pathogen: 0.00029085, plant pathogen: 0.99970915*
node 57: nonplant pathogen: 0.02834726, plant pathogen: 0.97165274*
node 58: nonplant pathogen: 0.00015589, plant pathogen: 0.99984411*
node 59: plant pathogen: 1
node 60: nonplant pathogen: 1
node 61: nonplant pathogen: 0.00004658, plant pathogen: 0.99995342*
node 62: nonplant pathogen: 0.00001244, plant pathogen: 0.99998756*
node 63: plant pathogen: 1
node 64: plant pathogen: 1
node 65: nonplant pathogen: 0.00001503, plant pathogen: 0.99998497*
node 66: plant pathogen: 1
node 67: plant pathogen: 1
node 68: nonplant pathogen: 0.00004384, plant pathogen: 0.99995616*
node 69: plant pathogen: 1
node 70: nonplant pathogen: 0.0000207, plant pathogen: 0.9999793*
node 71: plant pathogen: 1
node 72: nonplant pathogen: 0.00000185, plant pathogen: 0.99999815*
node 73: plant pathogen: 1
node 74: nonplant pathogen: 0.00000006, plant pathogen: 0.99999994*
node 75: plant pathogen: 1
node 76: plant pathogen: 1
node 77: nonplant pathogen: 0.00000008, plant pathogen: 0.99999992*
node 78: plant pathogen: 1
node 79: plant pathogen: 1
node 80: nonplant pathogen: 0.00000008, plant pathogen: 0.99999992*
node 81: nonplant pathogen: 0.00016334, plant pathogen: 0.99983666*
node 82: nonplant pathogen: 0.0081601, plant pathogen: 0.9918399*
node 83: nonplant pathogen: 0.0012492, plant pathogen: 0.9987508*
node 84: plant pathogen: 1
node 85: plant pathogen: 1
node 86: nonplant pathogen: 0.001066, plant pathogen: 0.998934*
node 87: nonplant pathogen: 1
node 88: nonplant pathogen: 1
node 89: nonplant pathogen: 0.00464909, plant pathogen: 0.99535091*
node 90: nonplant pathogen: 0.00015108, plant pathogen: 0.99984892*
node 91: plant pathogen: 1
node 92: plant pathogen: 1
node 93: nonplant pathogen: 0.00176367, plant pathogen: 0.99823633*
node 94: plant pathogen: 1
node 95: nonplant pathogen: 0.01678489, plant pathogen: 0.98321511*
node 96: plant pathogen: 1
node 97: nonplant pathogen: 1
node 98: nonplant pathogen: 0.00735131, plant pathogen: 0.99264869*
node 99: nonplant pathogen: 0.06931126, plant pathogen: 0.93068874*
node 100: plant pathogen: 1
node 101: nonplant pathogen: 1
node 102: nonplant pathogen: 1
node 103: nonplant pathogen: 0.95247248*, plant pathogen: 0.04752752
node 104: nonplant pathogen: 0.99483114*, plant pathogen: 0.00516886
node 105: nonplant pathogen: 0.99927659*, plant pathogen: 0.00072341
node 106: nonplant pathogen: 1
node 107: nonplant pathogen: 1
node 108: nonplant pathogen: 0.99999168*, plant pathogen: 0.00000832
node 109: nonplant pathogen: 0.99996917*, plant pathogen: 0.00003083
node 110: nonplant pathogen: 1
node 111: nonplant pathogen: 1
node 112: nonplant pathogen: 1
node 113: nonplant pathogen: 0.99938593*, plant pathogen: 0.00061407
node 114: nonplant pathogen: 0.99998712*, plant pathogen: 0.00001288
node 115: nonplant pathogen: 1
node 116: nonplant pathogen: 1
node 117: nonplant pathogen: 1
node 118: nonplant pathogen: 0.99964589*, plant pathogen: 0.00035411
node 119: nonplant pathogen: 0.99997467*, plant pathogen: 0.00002533
node 120: nonplant pathogen: 0.99950537*, plant pathogen: 0.00049463
node 121: nonplant pathogen: 1
node 122: nonplant pathogen: 1
node 123: nonplant pathogen: 0.99983603*, plant pathogen: 0.00016397
node 124: nonplant pathogen: 0.99988843*, plant pathogen: 0.00011157
node 125: nonplant pathogen: 1
node 126: nonplant pathogen: 1
node 127: nonplant pathogen: 0.9997905*, plant pathogen: 0.0002095
node 128: nonplant pathogen: 1
node 129: nonplant pathogen: 0.99987949*, plant pathogen: 0.00012051
node 130: nonplant pathogen: 1
node 131: nonplant pathogen: 1
node 132: nonplant pathogen: 0.99976225*, plant pathogen: 0.00023775
node 133: nonplant pathogen: 0.99306765*, plant pathogen: 0.00693235
node 134: plant pathogen: 1
node 135: plant pathogen: 1
node 136: plant pathogen: 1
node 137: nonplant pathogen: 0.00007671, plant pathogen: 0.99992329*
node 138: nonplant pathogen: 0.00753026, plant pathogen: 0.99246974*
node 139: nonplant pathogen: 0.00020555, plant pathogen: 0.99979445*
node 140: plant pathogen: 1
node 141: plant pathogen: 1
node 142: nonplant pathogen: 0.00000021, plant pathogen: 0.99999979*
node 143: plant pathogen: 1
node 144: plant pathogen: 1
node 145: plant pathogen: 1
node 146: nonplant pathogen: 0.00000005, plant pathogen: 0.99999995*
node 147: nonplant pathogen: 0.00000247, plant pathogen: 0.99999753*
node 148: nonplant pathogen: 0.00000796, plant pathogen: 0.99999204*
node 149: plant pathogen: 1
node 150: nonplant pathogen: 1
node 151: plant pathogen: 1
node 152: plant pathogen: 1
node 153: nonplant pathogen: 0.00002086, plant pathogen: 0.99997914*
node 154: nonplant pathogen: 0.00550013, plant pathogen: 0.99449987*
node 155: nonplant pathogen: 0.00004284, plant pathogen: 0.99995716*
node 156: plant pathogen: 1
node 157: nonplant pathogen: 0.0006984, plant pathogen: 0.9993016*
node 158: plant pathogen: 1
node 159: plant pathogen: 1
node 160: plant pathogen: 1
node 161: nonplant pathogen: 0.00000187, plant pathogen: 0.99999813*
node 162: nonplant pathogen: 0.00024584, plant pathogen: 0.99975416*
node 163: plant pathogen: 1
node 164: nonplant pathogen: 0.00000015, plant pathogen: 0.99999985*
node 165: plant pathogen: 1
node 166: plant pathogen: 1
node 167: plant pathogen: 1
node 168: plant pathogen: 1
node 169: plant pathogen: 1
node 170: nonplant pathogen: 2.57164941E-9, plant pathogen: 1*
node 171: nonplant pathogen: 1.50561728E-9, plant pathogen: 1*
node 172: nonplant pathogen: 2.11713853E-9, plant pathogen: 1*
node 173: nonplant pathogen: 0.00008717, plant pathogen: 0.99991283*
node 174: nonplant pathogen: 0.00599686, plant pathogen: 0.99400314*
node 175: nonplant pathogen: 0.01698756, plant pathogen: 0.98301244*
node 176: nonplant pathogen: 0.98594616*, plant pathogen: 0.01405384
node 177: nonplant pathogen: 1
node 178: nonplant pathogen: 1
node 179: nonplant pathogen: 0.99818889*, plant pathogen: 0.00181111
node 180: nonplant pathogen: 0.99922776*, plant pathogen: 0.00077224
node 181: nonplant pathogen: 0.99542987*, plant pathogen: 0.00457013
node 182: nonplant pathogen: 1
node 183: nonplant pathogen: 1
node 184: nonplant pathogen: 1
node 185: nonplant pathogen: 1
node 186: nonplant pathogen: 1
node 187: plant pathogen: 1
node 188: plant pathogen: 1
node 189: nonplant pathogen: 0.00385469, plant pathogen: 0.99614531*
node 190: nonplant pathogen: 0.93172139*, plant pathogen: 0.06827861
node 191: nonplant pathogen: 0.97512956*, plant pathogen: 0.02487044
node 192: nonplant pathogen: 0.99013583*, plant pathogen: 0.00986417
node 193: nonplant pathogen: 0.99381471*, plant pathogen: 0.00618529
node 194: nonplant pathogen: 0.99815775*, plant pathogen: 0.00184225
node 195: nonplant pathogen: 1
node 196: nonplant pathogen: 1
node 197: nonplant pathogen: 0.99978879*, plant pathogen: 0.00021121
node 198: nonplant pathogen: 1
node 199: nonplant pathogen: 0.99439451*, plant pathogen: 0.00560549
node 200: nonplant pathogen: 0.98927847*, plant pathogen: 0.01072153
node 201: nonplant pathogen: 0.8414071, plant pathogen: 0.1585929
node 202: nonplant pathogen: 1
node 203: plant pathogen: 1
node 204: nonplant pathogen: 0.9936442*, plant pathogen: 0.0063558
node 205: nonplant pathogen: 1
node 206: nonplant pathogen: 0.9999763*, plant pathogen: 0.0000237
node 207: nonplant pathogen: 1
node 208: nonplant pathogen: 1
node 209: nonplant pathogen: 0.99997857*, plant pathogen: 0.00002143
node 210: nonplant pathogen: 1
node 211: nonplant pathogen: 1
node 212: nonplant pathogen: 0.99996762*, plant pathogen: 0.00003238
node 213: nonplant pathogen: 0.97840152*, plant pathogen: 0.02159848
node 214: nonplant pathogen: 1
node 215: nonplant pathogen: 0.95622753*, plant pathogen: 0.04377247
node 216: nonplant pathogen: 0.96611502*, plant pathogen: 0.03388498
node 217: nonplant pathogen: 1
node 218: nonplant pathogen: 1
node 219: plant pathogen: 1
node 220: nonplant pathogen: 1
node 221: nonplant pathogen: 0.93199361*, plant pathogen: 0.06800639
node 222: nonplant pathogen: 0.96529991*, plant pathogen: 0.03470009
node 223: nonplant pathogen: 0.88187499*, plant pathogen: 0.11812501
node 224: nonplant pathogen: 1
node 225: nonplant pathogen: 0.18675048, plant pathogen: 0.81324952
node 226: plant pathogen: 1
node 227: nonplant pathogen: 0.06237041, plant pathogen: 0.93762959*
node 228: nonplant pathogen: 0.00002138, plant pathogen: 0.99997862*
node 229: plant pathogen: 1
node 230: plant pathogen: 1
node 231: plant pathogen: 1
node 232: nonplant pathogen: 0.0000004, plant pathogen: 0.9999996*
node 233: nonplant pathogen: 0.05012775, plant pathogen: 0.94987225*
node 234: nonplant pathogen: 0.08293729, plant pathogen: 0.91706271*
node 235: nonplant pathogen: 1
node 236: nonplant pathogen: 0.00118966, plant pathogen: 0.99881034*
node 237: plant pathogen: 1
node 238: plant pathogen: 1
node 239: nonplant pathogen: 0.01392449, plant pathogen: 0.98607551*
node 240: plant pathogen: 1
node 241: nonplant pathogen: 0.0021657, plant pathogen: 0.9978343*
node 242: plant pathogen: 1
node 243: nonplant pathogen: 0.00001534, plant pathogen: 0.99998466*
node 244: plant pathogen: 1
node 245: plant pathogen: 1
node 246: nonplant pathogen: 0.91012211*, plant pathogen: 0.08987789
node 247: nonplant pathogen: 1
node 248: nonplant pathogen: 1