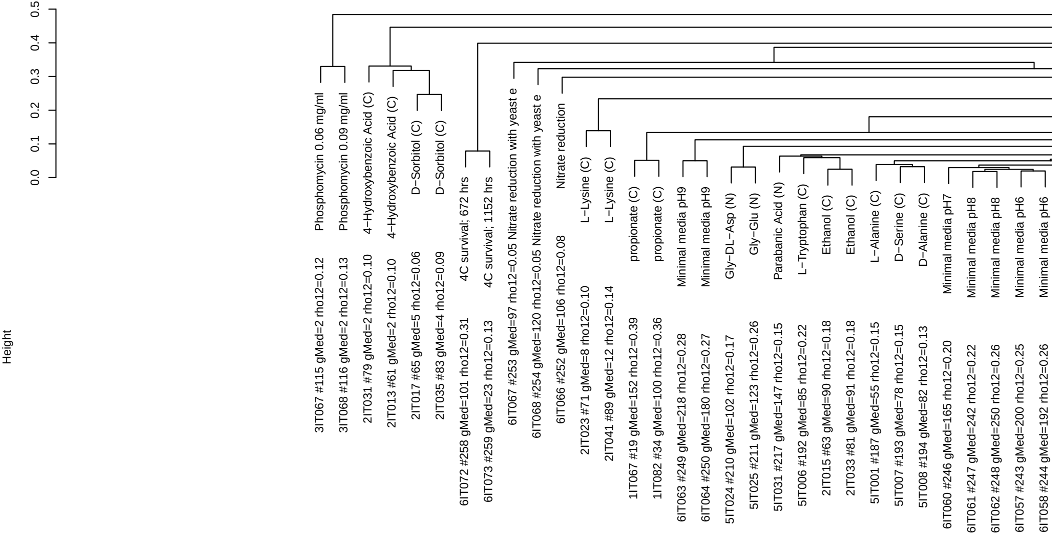
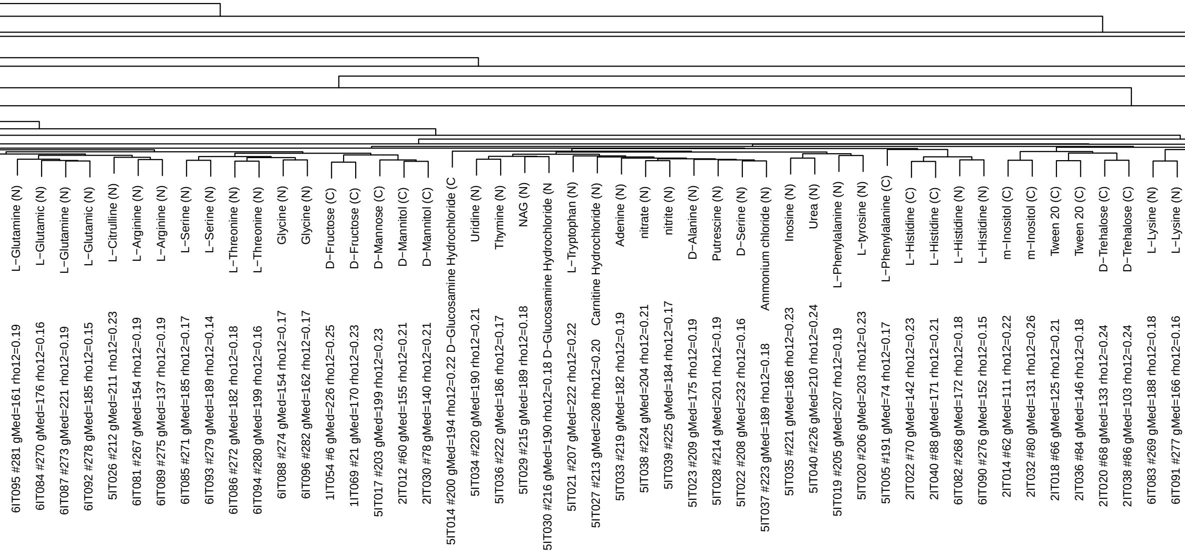
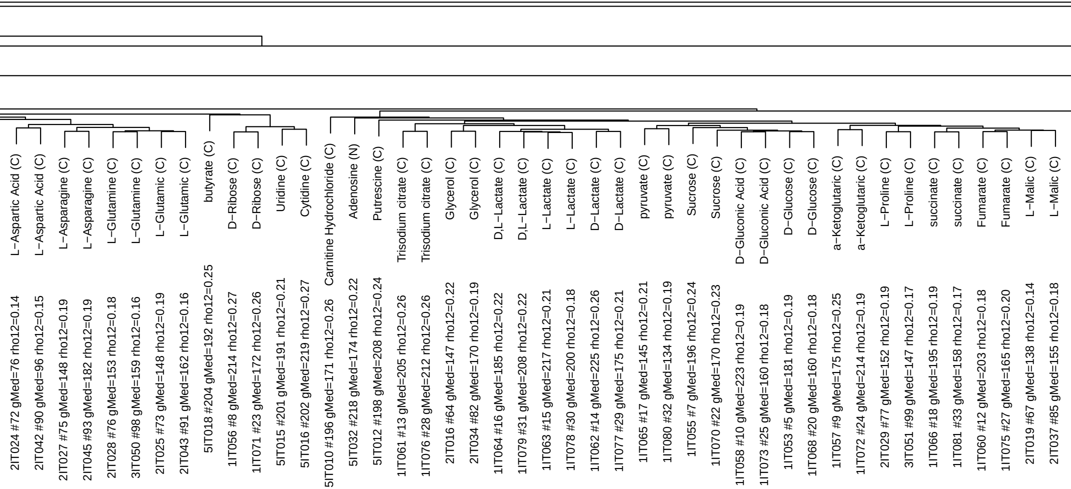
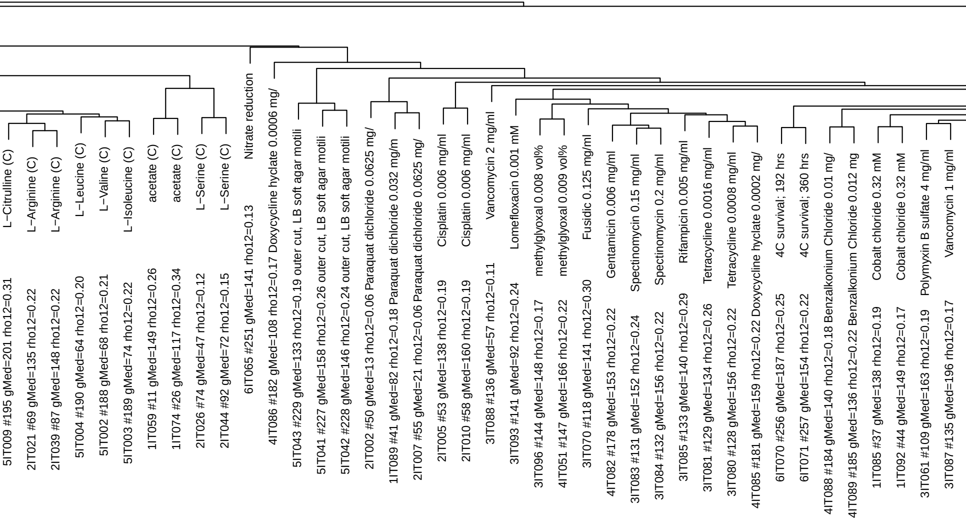
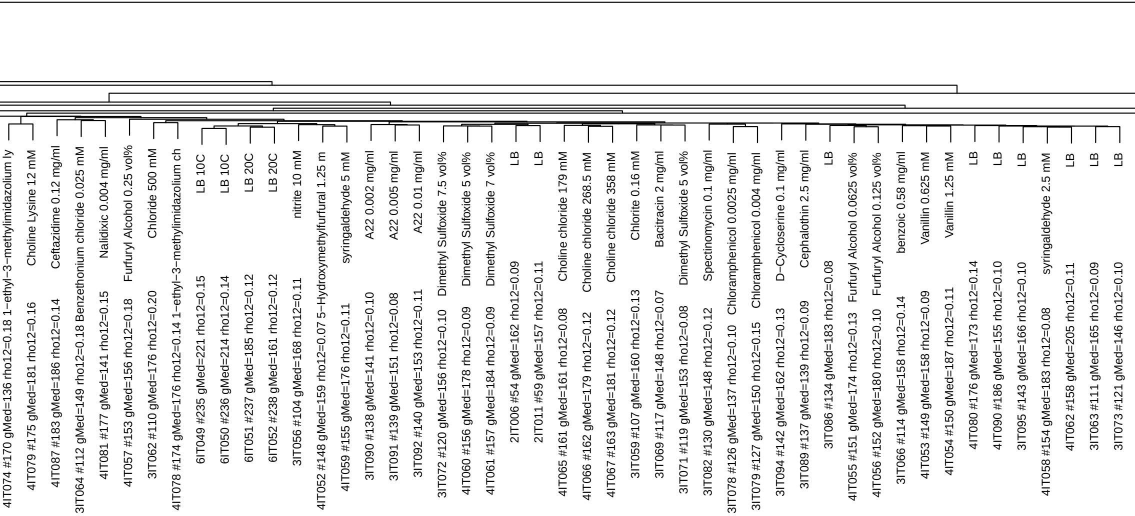


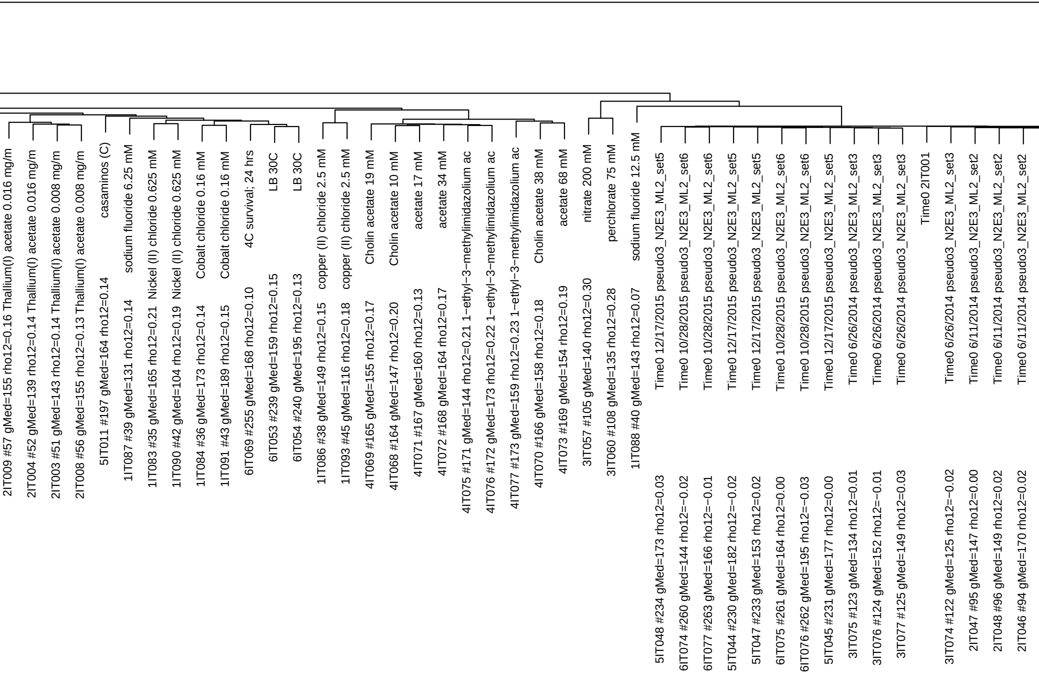


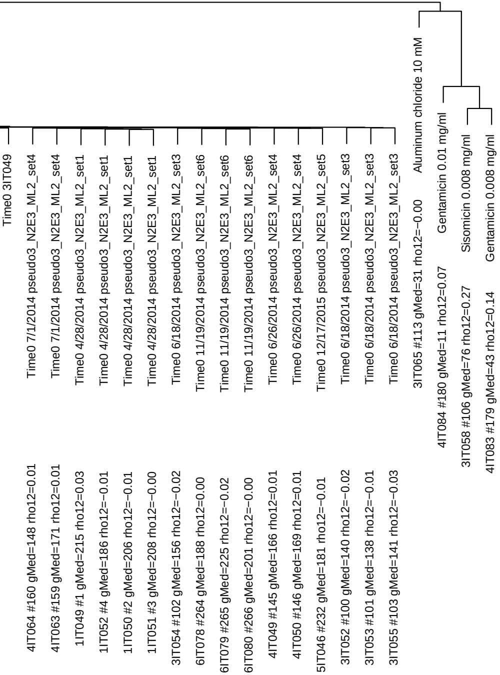




as.dist(1 − cor(log2(1 + fit$gN[fit$gN$locusId %in% fit$genesUsed,
hclust (*, "complete")
−1])))


4IT074 #170 gMed=136 rho12=0.18 1−ethyl−3−methylimidazolium ly
4IT079 #175 gMed=181 rho12=0.16 Choline Lysine 12 mM
4IT087 #183 gMed=186 rho12=0.14 Ceftazidime 0.12 mg/ml
3IT064 #112 gMed=149 rho12=0.18 Benzethonium chloride 0.025 mM
4IT081 #177 gMed=141 rho12=0.15 Nalidixic 0.004 mg/ml
4IT057 #153 gMed=156 rho12=0.18 Furfuryl Alcohol 0.25 vol%
3IT062 #110 gMed=176 rho12=0.20 Chloride 500 mM
4IT078 #174 gMed=176 rho12=0.14 1−ethyl−3−methylimidazolium ch
6IT049 #235 gMed=221 rho12=0.15 LB 10C
6IT050 #236 gMed=214 rho12=0.14 LB 10C
6IT051 #237 gMed=185 rho12=0.12 LB 20C
6IT052 #238 gMed=161 rho12=0.12 LB 20C
3IT056 #104 gMed=168 rho12=0.11 nitrite 10 mM
4IT052 #148 gMed=159 rho12=0.07 5−Hydroxymethylfurfural 1.25 m
4IT059 #155 gMed=176 rho12=0.11 syringaldehyde 5 mM
3IT090 #138 gMed=141 rho12=0.10 A22 0.002 mg/ml
3IT091 #139 gMed=151 rho12=0.08 A22 0.005 mg/ml
3IT092 #140 gMed=153 rho12=0.11 A22 0.01 mg/ml
3IT072 #120 gMed=156 rho12=0.10 Dimethyl Sulfoxide 7.5 vol%
4IT060 #156 gMed=178 rho12=0.09 Dimethyl Sulfoxide 5 vol%
4IT061 #157 gMed=184 rho12=0.09 Dimethyl Sulfoxide 7 vol%
2IT006 #54 gMed=162 rho12=0.09 LB
2IT011 #59 gMed=157 rho12=0.11 LB
4IT065 #161 gMed=161 rho12=0.08 Choline chloride 179 mM
4IT066 #162 gMed=179 rho12=0.12 Choline chloride 268.5 mM
4IT067 #163 gMed=181 rho12=0.12 Choline chloride 358 mM
3IT059 #107 gMed=160 rho12=0.13 Chlorite 0.16 mM
3IT069 #117 gMed=148 rho12=0.07 Bacitracin 2 mg/ml
3IT071 #119 gMed=153 rho12=0.08 Dimethyl Sulfoxide 5 vol%
3IT082 #130 gMed=148 rho12=0.12 Spectinomycin 0.1 mg/ml
3IT078 #126 gMed=137 rho12=0.10 Chloramphenicol 0.0025 mg/ml
3IT079 #127 gMed=150 rho12=0.15 Chloramphenicol 0.004 mg/ml
3IT094 #142 gMed=162 rho12=0.13 D−Cycloserine 0.1 mg/ml
3IT089 #137 gMed=139 rho12=0.09 Cephalothin 2.5 mg/ml
3IT086 #134 gMed=183 rho12=0.08 LB
4IT055 #151 gMed=174 rho12=0.13 Furfuryl Alcohol 0.0625 vol%
4IT056 #152 gMed=180 rho12=0.10 Furfuryl Alcohol 0.125 vol%
3IT066 #114 gMed=158 rho12=0.14 benzoic 0.58 mg/ml
4IT053 #149 gMed=158 rho12=0.09 Vanillin 0.625 mM
4IT054 #150 gMed=187 rho12=0.11 Vanillin 1.25 mM
4IT080 #176 gMed=173 rho12=0.14 LB
4IT090 #186 gMed=155 rho12=0.10 LB
3IT095 #143 gMed=166 rho12=0.10 LB
4IT058 #154 gMed=183 rho12=0.08 syringaldehyde 2.5 mM
4IT062 #158 gMed=205 rho12=0.11 LB
3IT063 #111 gMed=165 rho12=0.09 LB
3IT073 #121 gMed=146 rho12=0.10 LB


2IT009 #57 gMed=155 rho12=0.16 Thallium(I) acetate 0.016 mg/m
2IT004 #52 gMed=139 rho12=0.14 Thallium(I) acetate 0.016 mg/m
2IT003 #51 gMed=143 rho12=0.14 Thallium(I) acetate 0.008 mg/m
2IT008 #56 gMed=155 rho12=0.13 Thallium(I) acetate 0.008 mg/m
5IT011 #197 gMed=164 rho12=0.14 casaminos (C)
1IT087 #39 gMed=131 rho12=0.14 sodium fluoride 6.25 mM
1IT083 #35 gMed=165 rho12=0.21 Nickel (II) chloride 0.625 mM
1IT090 #42 gMed=104 rho12=0.19 Nickel (II) chloride 0.625 mM
1IT084 #36 gMed=173 rho12=0.14 Cobalt chloride 0.16 mM
1IT091 #43 gMed=189 rho12=0.15 Cobalt chloride 0.16 mM
6IT069 #255 gMed=168 rho12=0.10 4C survival; 24 hrs
6IT053 #239 gMed=159 rho12=0.15 LB 30C
6IT054 #240 gMed=195 rho12=0.13 LB 30C
1IT086 #38 gMed=149 rho12=0.15 copper (II) chloride 2.5 mM
1IT093 #45 gMed=116 rho12=0.18 copper (II) chloride 2.5 mM
4IT069 #165 gMed=155 rho12=0.17 Cholin acetate 19 mM
4IT068 #164 gMed=147 rho12=0.20 Cholin acetate 10 mM
4IT071 #167 gMed=160 rho12=0.13 acetate 17 mM
4IT072 #168 gMed=164 rho12=0.17 acetate 34 mM
4IT075 #171 gMed=144 rho12=0.21 1−ethyl−3−methylimidazolium ac
4IT076 #172 gMed=173 rho12=0.22 1−ethyl−3−methylimidazolium ac
4IT077 #173 gMed=159 rho12=0.23 1−ethyl−3−methylimidazolium ac
4IT070 #166 gMed=158 rho12=0.18 Cholin acetate 38 mM
4IT073 #169 gMed=154 rho12=0.19 acetate 68 mM
3IT057 #105 gMed=140 rho12=0.30 nitrate 200 mM
3IT060 #108 gMed=135 rho12=0.28 perchlorate 75 mM
1IT088 #40 gMed=143 rho12=0.07 sodium fluoride 12.5 mM
5IT048 #234 gMed=173 rho12=0.03 Time0 12/17/2015 pseudo3_N2E3_ML2_set5
6IT074 #260 gMed=144 rho12=−0.02 Time0 10/28/2015 pseudo3_N2E3_ML2_set6
6IT077 #263 gMed=166 rho12=−0.01 Time0 10/28/2015 pseudo3_N2E3_ML2_set6
5IT044 #230 gMed=182 rho12=−0.02 Time0 12/17/2015 pseudo3_N2E3_ML2_set5
5IT047 #233 gMed=153 rho12=0.02 Time0 12/17/2015 pseudo3_N2E3_ML2_set5
6IT075 #261 gMed=164 rho12=0.00 Time0 10/28/2015 pseudo3_N2E3_ML2_set6
6IT076 #262 gMed=195 rho12=−0.03 Time0 10/28/2015 pseudo3_N2E3_ML2_set6
5IT045 #231 gMed=177 rho12=0.00 Time0 12/17/2015 pseudo3_N2E3_ML2_set5
3IT075 #123 gMed=134 rho12=0.01 Time0 6/26/2014 pseudo3_N2E3_ML2_set3
3IT076 #124 gMed=152 rho12=−0.01 Time0 6/26/2014 pseudo3_N2E3_ML2_set3
3IT077 #125 gMed=149 rho12=0.03 Time0 6/26/2014 pseudo3_N2E3_ML2_set3
Time0 2IT001
3IT074 #122 gMed=125 rho12=−0.02 Time0 6/26/2014 pseudo3_N2E3_ML2_set3
2IT047 #95 gMed=147 rho12=0.00 Time0 6/11/2014 pseudo3_N2E3_ML2_set2
2IT048 #96 gMed=149 rho12=0.02 Time0 6/11/2014 pseudo3_N2E3_ML2_set2
2IT046 #94 gMed=170 rho12=0.02 Time0 6/11/2014 pseudo3_N2E3_ML2_set2



Time0 3IT049
4IT064 #160 gMed=148 rho12=0.01 Time0 7/1/2014 pseudo3_N2E3_ML2_set4
4IT063 #159 gMed=171 rho12=0.01 Time0 7/1/2014 pseudo3_N2E3_ML2_set4
1IT049 #1 gMed=215 rho12=0.03 Time0 4/28/2014 pseudo3_N2E3_ML2_set1
1IT052 #4 gMed=186 rho12=−0.01 Time0 4/28/2014 pseudo3_N2E3_ML2_set1
1IT050 #2 gMed=206 rho12=−0.01 Time0 4/28/2014 pseudo3_N2E3_ML2_set1
1IT051 #3 gMed=208 rho12=−0.00 Time0 4/28/2014 pseudo3_N2E3_ML2_set1
3IT054 #102 gMed=156 rho12=−0.02 Time0 6/18/2014 pseudo3_N2E3_ML2_set3
6IT078 #264 gMed=188 rho12=0.00 Time0 11/19/2014 pseudo3_N2E3_ML2_set6
6IT079 #265 gMed=225 rho12=−0.02 Time0 11/19/2014 pseudo3_N2E3_ML2_set6
6IT080 #266 gMed=201 rho12=−0.00 Time0 11/19/2014 pseudo3_N2E3_ML2_set6
4IT049 #145 gMed=166 rho12=0.01 Time0 6/26/2014 pseudo3_N2E3_ML2_set4
4IT050 #146 gMed=169 rho12=0.01 Time0 6/26/2014 pseudo3_N2E3_ML2_set4
5IT046 #232 gMed=181 rho12=−0.01 Time0 12/17/2015 pseudo3_N2E3_ML2_set5
3IT052 #100 gMed=140 rho12=−0.02 Time0 6/18/2014 pseudo3_N2E3_ML2_set3
3IT053 #101 gMed=138 rho12=−0.01 Time0 6/18/2014 pseudo3_N2E3_ML2_set3
3IT055 #103 gMed=141 rho12=−0.03 Time0 6/18/2014 pseudo3_N2E3_ML2_set3
3IT065 #113 gMed=31 rho12=−0.00 Aluminum chloride 10 mM
4IT084 #180 gMed=11 rho12=0.07 Gentamicin 0.01 mg/ml
3IT058 #106 gMed=76 rho12=0.27 Sisomicin 0.008 mg/ml
4IT083 #179 gMed=43 rho12=0.14 Gentamicin 0.008 mg/ml