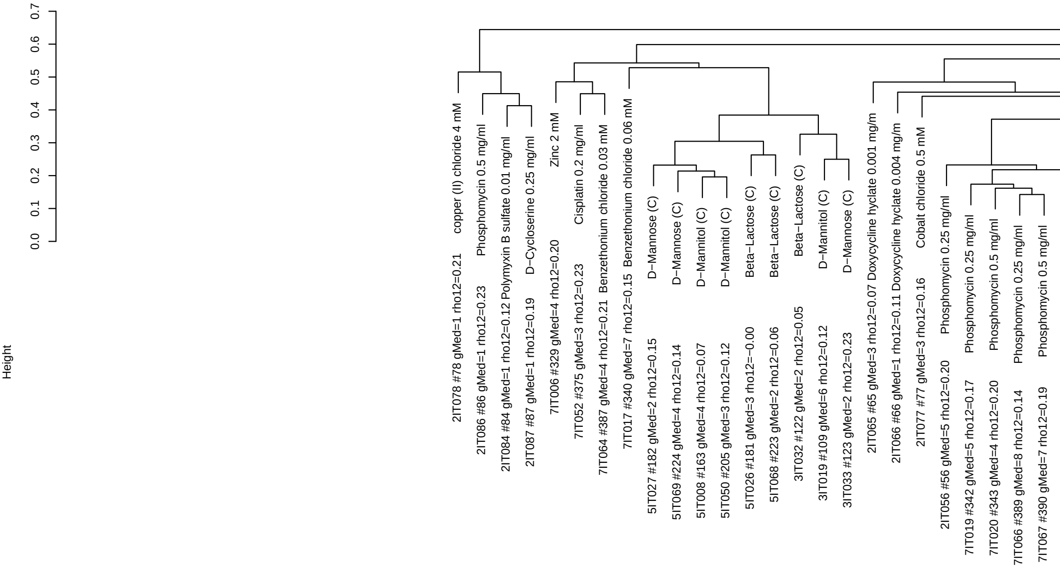

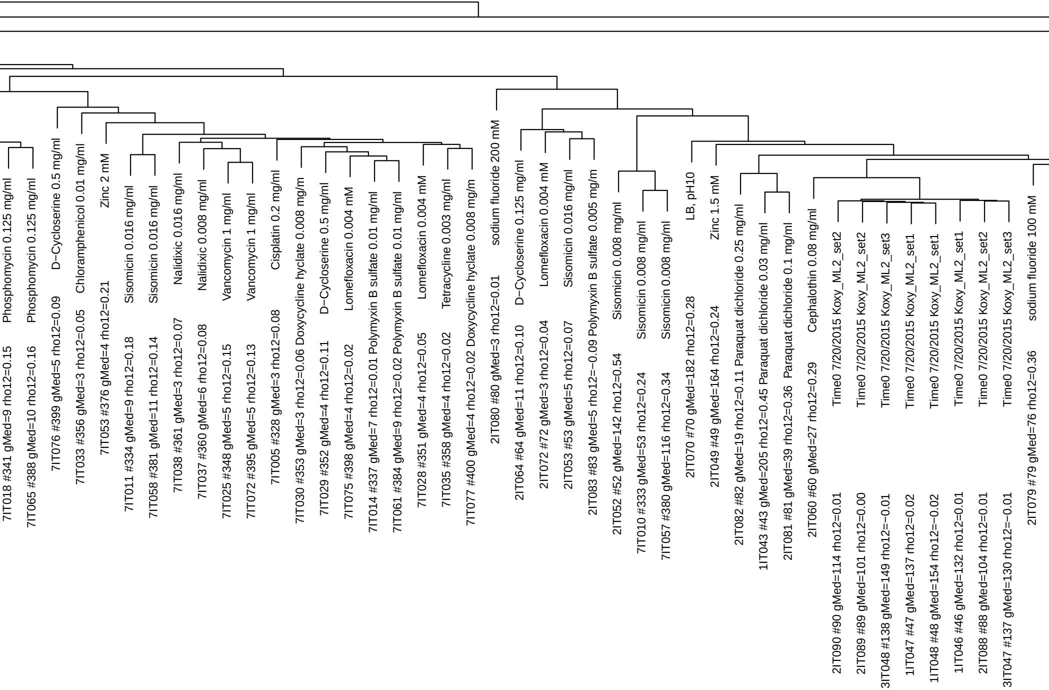

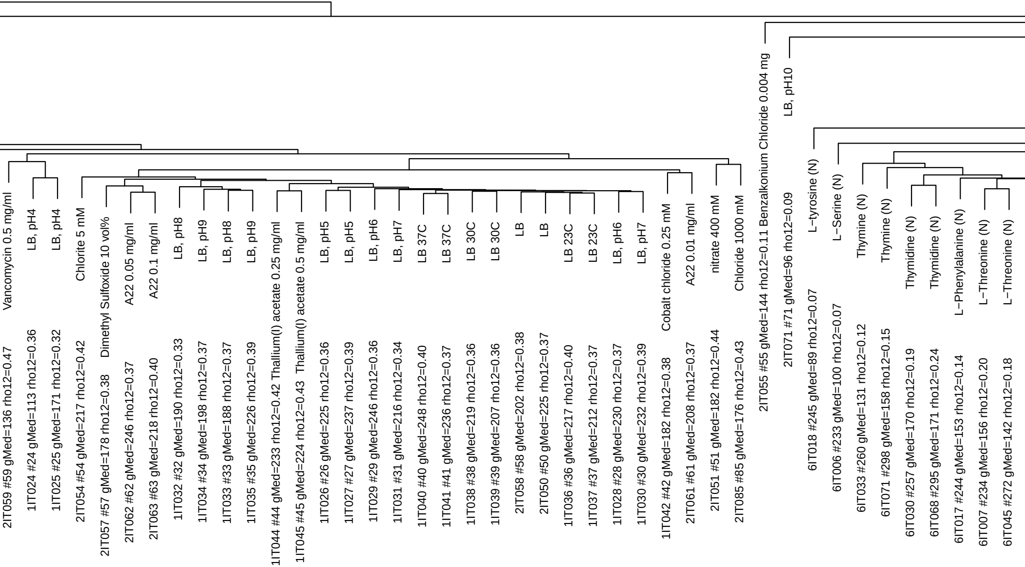

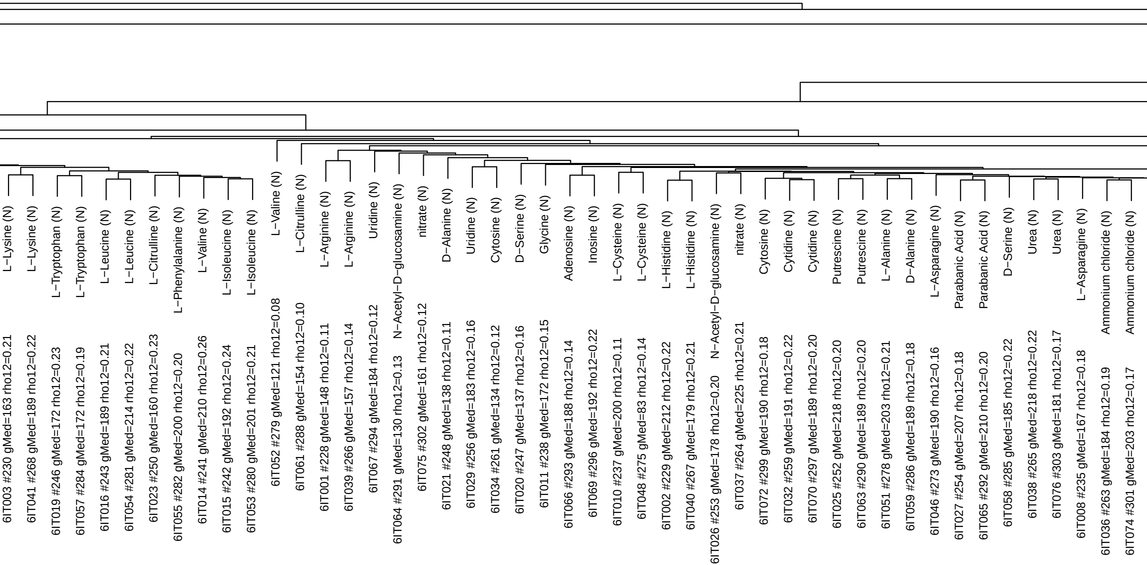

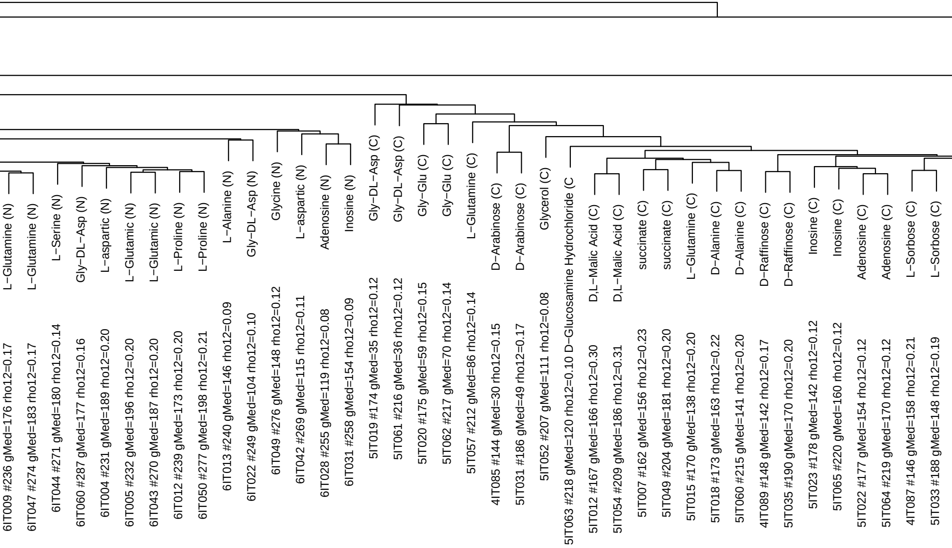

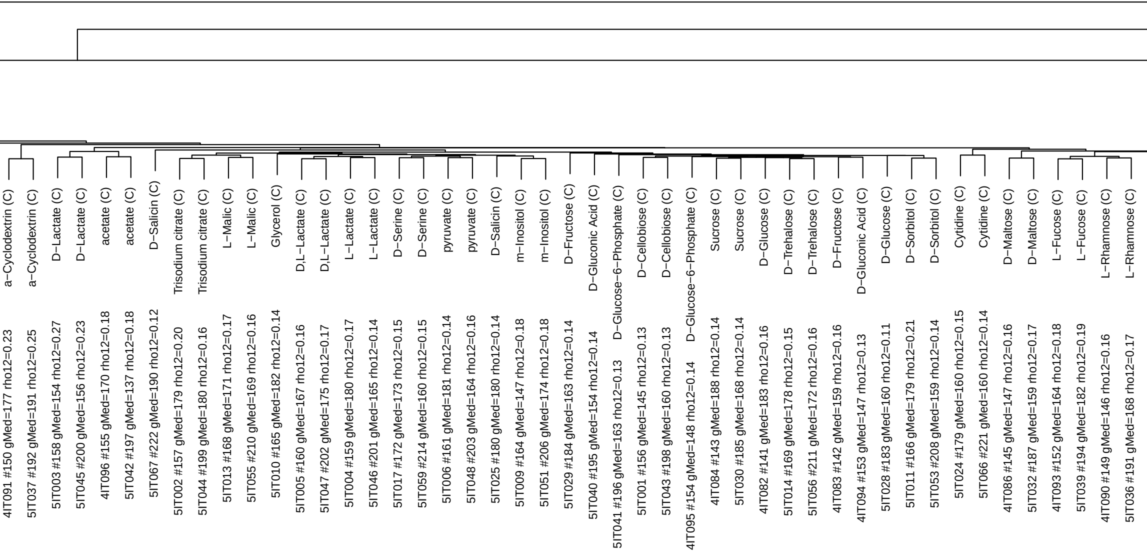

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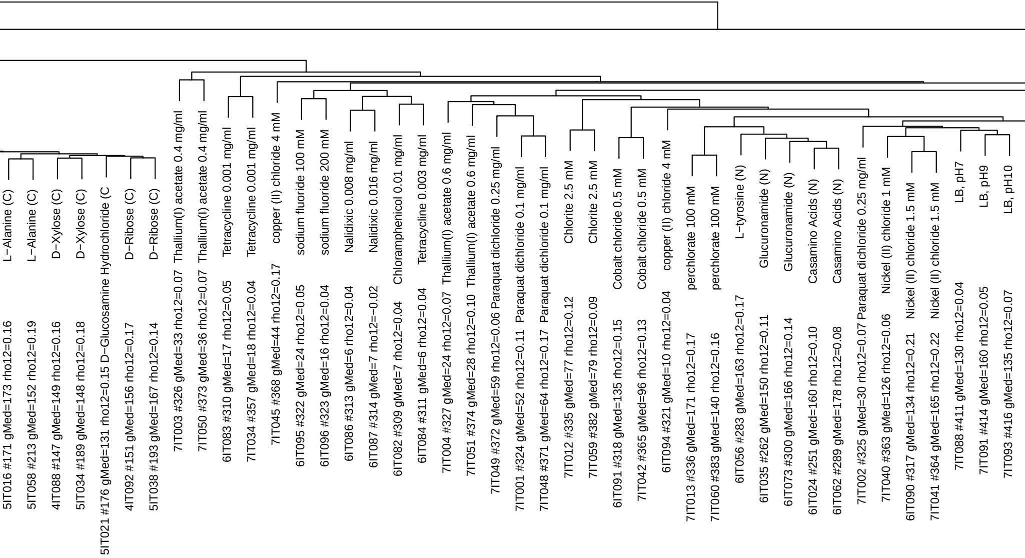
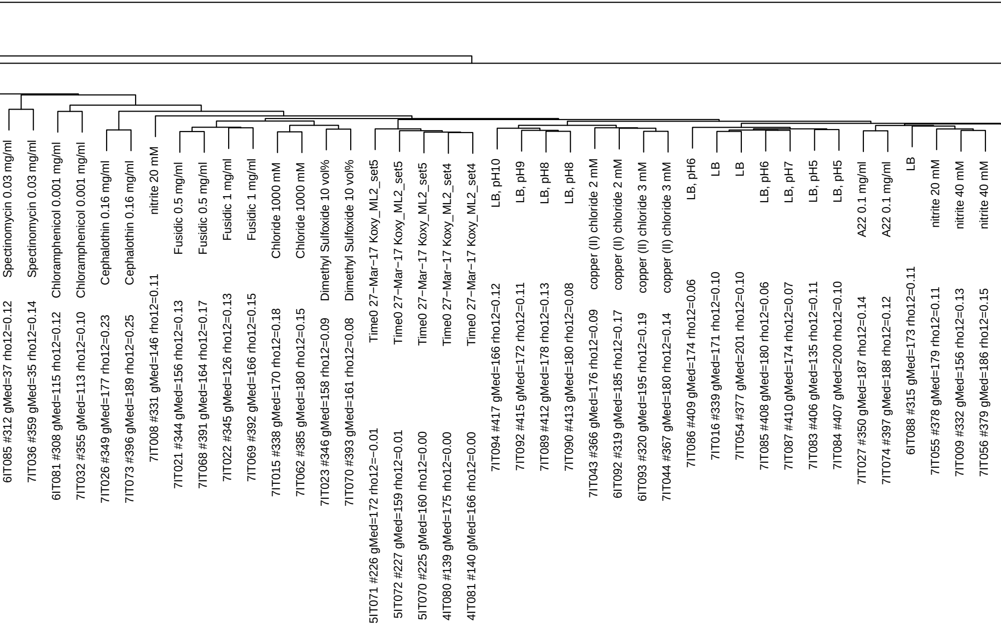
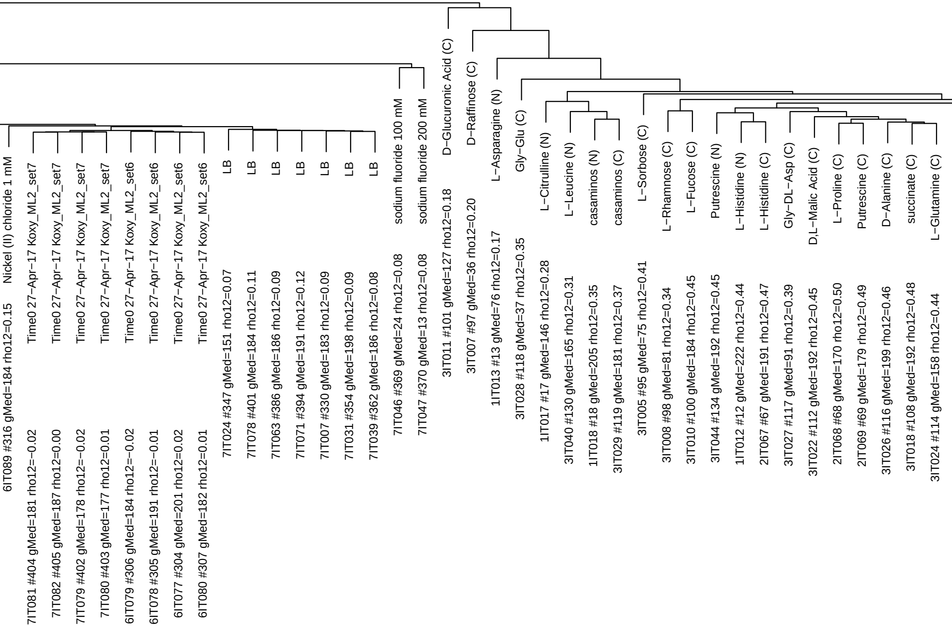
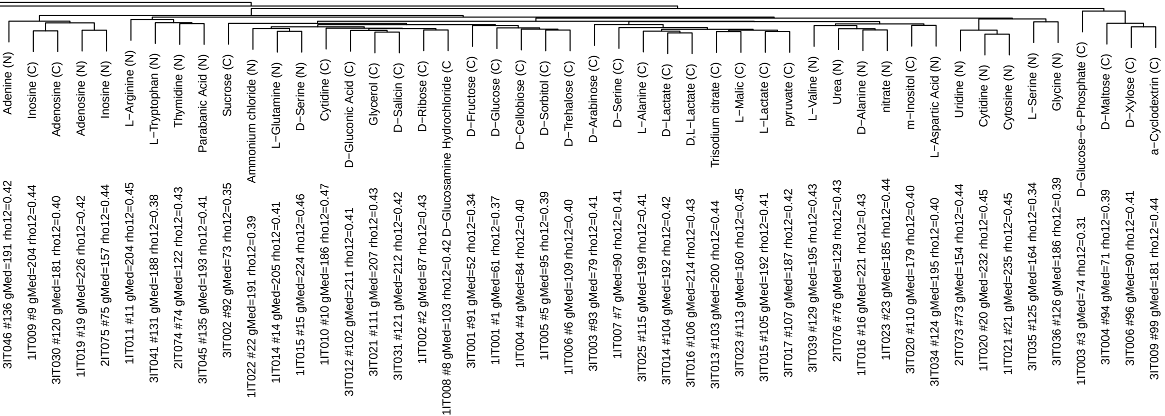
hclust (*, "complete")


5IT016 #171 gMed=173 rho12=0.16 L−Alanine (C)
5IT058 #213 gMed=152 rho12=0.19 L−Alanine (C)
4IT088 #147 gMed=149 rho12=0.16 D−Xylose (C)
5IT034 #189 gMed=148 rho12=0.18 D−Xylose (C)
5IT021 #176 gMed=131 rho12=0.15 D−Glucosamine Hydrochloride (C
4IT092 #151 gMed=156 rho12=0.17 D−Ribose (C)
5IT038 #193 gMed=167 rho12=0.14 D−Ribose (C)
7IT003 #326 gMed=33 rho12=0.07 Thallium(I) acetate 0.4 mg/ml
7IT050 #373 gMed=36 rho12=0.07 Thallium(I) acetate 0.4 mg/ml
6IT083 #310 gMed=17 rho12=0.05 Tetracycline 0.001 mg/ml
7IT034 #357 gMed=18 rho12=0.04 Tetracycline 0.001 mg/ml
7IT045 #368 gMed=44 rho12=0.17 copper (II) chloride 4 mM
6IT095 #322 gMed=24 rho12=0.05 sodium fluoride 100 mM
6IT096 #323 gMed=16 rho12=0.04 sodium fluoride 200 mM
6IT086 #313 gMed=6 rho12=0.04 Nalidixic 0.008 mg/ml
6IT087 #314 gMed=7 rho12=−0.02 Nalidixic 0.016 mg/ml
6IT082 #309 gMed=7 rho12=0.04 Chloramphenicol 0.01 mg/ml
6IT084 #311 gMed=6 rho12=0.04 Tetracycline 0.003 mg/ml
7IT004 #327 gMed=24 rho12=0.07 Thallium(I) acetate 0.6 mg/ml
7IT051 #374 gMed=28 rho12=0.10 Thallium(I) acetate 0.6 mg/ml
7IT049 #372 gMed=59 rho12=0.06 Paraquat dichloride 0.25 mg/ml
7IT001 #324 gMed=52 rho12=0.11 Paraquat dichloride 0.1 mg/ml
7IT048 #371 gMed=64 rho12=0.17 Paraquat dichloride 0.1 mg/ml
7IT012 #335 gMed=77 rho12=0.12 Chlorite 2.5 mM
7IT059 #382 gMed=79 rho12=0.09 Chlorite 2.5 mM
6IT091 #318 gMed=135 rho12=0.15 Cobalt chloride 0.5 mM
7IT042 #365 gMed=96 rho12=0.13 Cobalt chloride 0.5 mM
6IT094 #321 gMed=10 rho12=0.04 copper (II) chloride 4 mM
7IT013 #336 gMed=171 rho12=0.17 perchlorate 100 mM
7IT060 #383 gMed=140 rho12=0.16 perchlorate 100 mM
6IT056 #283 gMed=163 rho12=0.17 L−tyrosine (N)
6IT035 #262 gMed=150 rho12=0.11 Glucuronamide (N)
6IT073 #300 gMed=166 rho12=0.14 Glucuronamide (N)
6IT024 #251 gMed=160 rho12=0.10 Casamino Acids (N)
6IT062 #289 gMed=178 rho12=0.08 Casamino Acids (N)
7IT002 #325 gMed=30 rho12=0.07 Paraquat dichloride 0.25 mg/ml
7IT040 #363 gMed=126 rho12=0.06 Nickel (II) chloride 1 mM
6IT090 #317 gMed=134 rho12=0.21 Nickel (II) chloride 1.5 mM
7IT041 #364 gMed=165 rho12=0.22 Nickel (II) chloride 1.5 mM
7IT088 #411 gMed=130 rho12=0.04 LB, pH7
7IT091 #414 gMed=160 rho12=0.05 LB, pH9
7IT093 #416 gMed=135 rho12=0.07 LB, pH10




6IT089 #316 gMed=184 rho12=0.15 Nickel (II) chloride 1 mM
7IT081 #404 gMed=181 rho12=−0.02 Time0 27−Apr−17 Koxy_ML2_set7
7IT082 #405 gMed=187 rho12=0.00 Time0 27−Apr−17 Koxy_ML2_set7
7IT079 #402 gMed=178 rho12=−0.02 Time0 27−Apr−17 Koxy_ML2_set7
7IT080 #403 gMed=177 rho12=0.01 Time0 27−Apr−17 Koxy_ML2_set7
6IT079 #306 gMed=184 rho12=−0.02 Time0 27−Apr−17 Koxy_ML2_set6
6IT078 #305 gMed=191 rho12=−0.01 Time0 27−Apr−17 Koxy_ML2_set6
6IT077 #304 gMed=201 rho12=0.02 Time0 27−Apr−17 Koxy_ML2_set6
6IT080 #307 gMed=182 rho12=0.01 Time0 27−Apr−17 Koxy_ML2_set6
7IT024 #347 gMed=151 rho12=0.07 LB
7IT078 #401 gMed=184 rho12=0.11 LB
7IT063 #386 gMed=186 rho12=0.09 LB
7IT071 #394 gMed=191 rho12=0.12 LB
7IT007 #330 gMed=183 rho12=0.09 LB
7IT031 #354 gMed=198 rho12=0.09 LB
7IT039 #362 gMed=186 rho12=0.08 LB
7IT046 #369 gMed=24 rho12=0.08 sodium fluoride 100 mM
7IT047 #370 gMed=13 rho12=0.08 sodium fluoride 200 mM
3IT011 #101 gMed=127 rho12=0.18 D−Glucuronic Acid (C)
3IT007 #97 gMed=36 rho12=0.20 D−Raffinose (C)
1IT013 #13 gMed=76 rho12=0.17 L−Asparagine (N)
3IT028 #118 gMed=37 rho12=0.35 Gly−Glu (C)
1IT017 #17 gMed=146 rho12=0.28 L−Citrulline (N)
3IT040 #130 gMed=165 rho12=0.31 L−Leucine (N)
1IT018 #18 gMed=205 rho12=0.35 casaminos (N)
3IT029 #119 gMed=181 rho12=0.37 casaminos (C)
3IT005 #95 gMed=75 rho12=0.41 L−Sorbose (C)
3IT008 #98 gMed=81 rho12=0.34 L−Rhamnose (C)
3IT010 #100 gMed=184 rho12=0.45 L−Fucose (C)
3IT044 #134 gMed=192 rho12=0.45 Putrescine (N)
1IT012 #12 gMed=222 rho12=0.44 L−Histidine (N)
2IT067 #67 gMed=191 rho12=0.47 L−Histidine (C)
3IT027 #117 gMed=91 rho12=0.39 Gly−DL−Asp (C)
3IT022 #112 gMed=192 rho12=0.45 D,L−Malic Acid (C)
2IT068 #68 gMed=170 rho12=0.50 L−Proline (C)
2IT069 #69 gMed=179 rho12=0.49 Putrescine (C)
3IT026 #116 gMed=199 rho12=0.46 D−Alanine (C)
3IT018 #108 gMed=192 rho12=0.48 succinate (C)
3IT024 #114 gMed=158 rho12=0.44 L−Glutamine (C)


Adenine (N)
3IT046 #136 gMed=191 rho12=0.42
Inosine (C)
1IT009 #9 gMed=204 rho12=0.44
Adenosine (C)
3IT030 #120 gMed=181 rho12=0.40
Adenosine (N)
1IT019 #19 gMed=226 rho12=0.42
Inosine (N)
2IT075 #75 gMed=157 rho12=0.44
L−Arginine (N)
1IT011 #11 gMed=204 rho12=0.45
L−Tryptophan (N)
3IT041 #131 gMed=188 rho12=0.38
Thymidine (N)
2IT074 #74 gMed=122 rho12=0.43
Parabanic Acid (N)
3IT045 #135 gMed=193 rho12=0.41
Sucrose (C)
3IT002 #92 gMed=73 rho12=0.35
Ammonium chloride (N)
1IT022 #22 gMed=191 rho12=0.39
L−Glutamine (N)
1IT014 #14 gMed=205 rho12=0.41
D−Serine (N)
1IT015 #15 gMed=224 rho12=0.46
Cytidine (C)
1IT010 #10 gMed=186 rho12=0.47
D−Gluconic Acid (C)
3IT012 #102 gMed=211 rho12=0.41
Glycerol (C)
3IT021 #111 gMed=207 rho12=0.43
D−Salicin (C)
3IT031 #121 gMed=212 rho12=0.42
D−Ribose (C)
1IT002 #2 gMed=87 rho12=0.43
D−Glucosamine Hydrochloride (C
1IT008 #8 gMed=103 rho12=0.42 D−Glucosamine Hydrochloride (C
D−Fructose (C)
3IT001 #91 gMed=52 rho12=0.34
D−Glucose (C)
1IT001 #1 gMed=61 rho12=0.37
D−Cellobiose (C)
1IT004 #4 gMed=84 rho12=0.40
D−Sorbitol (C)
1IT005 #5 gMed=95 rho12=0.39
D−Trehalose (C)
1IT006 #6 gMed=109 rho12=0.40
D−Arabinose (C)
3IT003 #93 gMed=79 rho12=0.41
D−Serine (C)
1IT007 #7 gMed=90 rho12=0.41
L−Alanine (C)
3IT025 #115 gMed=199 rho12=0.41
D−Lactate (C)
3IT014 #104 gMed=192 rho12=0.42
D,L−Lactate (C)
3IT016 #106 gMed=214 rho12=0.43
Trisodium citrate (C)
3IT013 #103 gMed=200 rho12=0.44
L−Malic (C)
3IT023 #113 gMed=160 rho12=0.45
L−Lactate (C)
3IT015 #105 gMed=192 rho12=0.41
pyruvate (C)
3IT017 #107 gMed=187 rho12=0.42
L−Valine (N)
3IT039 #129 gMed=195 rho12=0.43
Urea (N)
2IT076 #76 gMed=129 rho12=0.43
D−Alanine (N)
1IT016 #16 gMed=221 rho12=0.43
nitrate (N)
1IT023 #23 gMed=185 rho12=0.44
m−Inositol (C)
3IT020 #110 gMed=179 rho12=0.40
L−Aspartic Acid (N)
3IT034 #124 gMed=195 rho12=0.40
Uridine (N)
2IT073 #73 gMed=154 rho12=0.44
Cytidine (N)
1IT020 #20 gMed=232 rho12=0.45
Cytosine (N)
1IT021 #21 gMed=235 rho12=0.45
L−Serine (N)
3IT035 #125 gMed=164 rho12=0.34
Glycine (N)
3IT036 #126 gMed=186 rho12=0.39
D−Glucose−6−Phosphate (C)
1IT003 #3 gMed=74 rho12=0.31
D−Maltose (C)
3IT004 #94 gMed=71 rho12=0.39
D−Xylose (C)
3IT006 #96 gMed=90 rho12=0.41
a−Cyclodextrin (C)
3IT009 #99 gMed=181 rho12=0.44