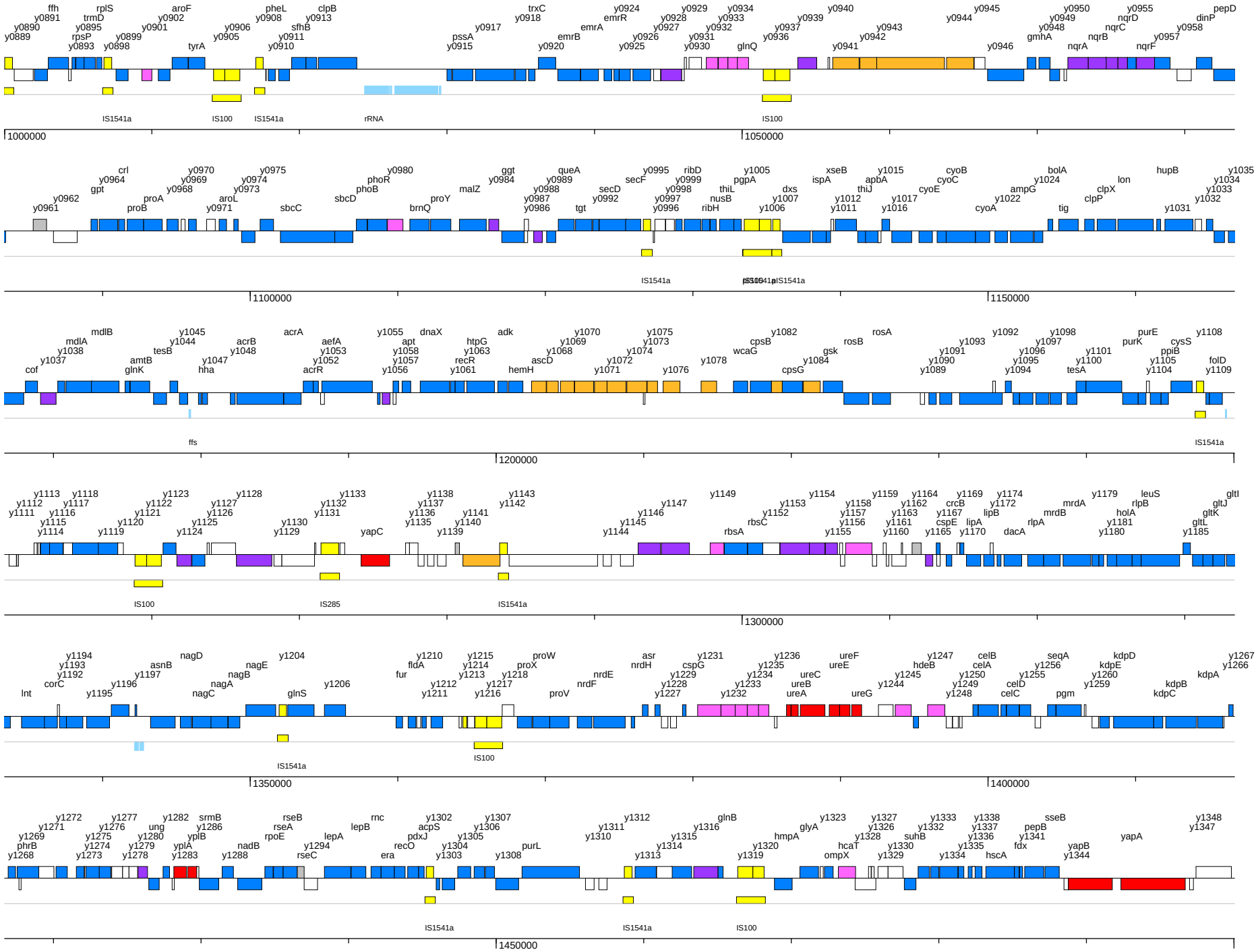
ffh rplS aroF pheL clpB trxC y0924 y0929 y0934 y0940 y0945 y0950 y0955 pepD
y0891 trmD y0902 y0908 y0913 y0918 emrR y0928 y0933 y0939 y0944 y0949 nqrD dinP
y0890 y0895 y0901 y0906 sfhB y0917 emrA y0927 y0932 y0937 y0943 y0948 nqrC y0958
y0889 rpsP y0899 y0905 y0911 pssA emrB y0926 y0931 y0936 y0942 gmhA nqrB y0957
y0893 y0898 tyrA y0910 y0915 y0920 y0925 y0930 glnQ y0941 y0946 nqrA nqrF
IS1541a IS100 IS1541a rRNA IS100
1000000 1050000
crl y0970 y0975 y0980 ggt queA y0995 ribD y1005 xseB y1015 cyoB bolA hupB y1035
y0964 y0969 y0974 phoR y0984 y0989 secF y0999 pgpA ispA apbA y1024 lon y1034
gpt y0968 y0973 phoB malZ y0988 secD y0998 thiL dxs thiJ cyoC ampG clpX y1033
y0962 proA aroL sbcD proY y0987 y0992 y0997 nusB y1007 y1012 y1017 cyoE y1022 clpP y1032
y0961 proB y0971 sbcC brnQ y0986 tgt y0996 ribH y1006 y1011 y1016 cyoA tig y1031
IS1541a IS1541a IS1541a
1100000 1150000
mdlB y1045 acrA y1055 dnaX adk y1070 y1075 y1082 rosA y1092 y1098 purE y1108
mdlA y1044 acrB aefA apt htpG y1069 y1073 cpsB rosB y1093 y1097 purK cysS
y1038 tesB y1048 y1053 y1058 y1063 y1068 y1074 wcaG gsk y1091 y1096 y1101 ppiB
y1037 amtB y1047 y1052 y1057 recR ascD y1072 y1078 y1084 y1090 y1095 y1100 y1105 folD
cof glnK hha acrR y1056 y1061 hemH y1071 y1076 cpsG y1089 y1094 tesA y1104 y1109
ffs IS1541a
1200000
y1113 y1118 y1123 y1128 y1133 y1138 y1143 y1149 y1154 y1159 y1164 y1169 y1174 y1179 leuS gltI
y1112 y1117 y1122 y1127 y1132 y1137 y1142 y1147 y1153 y1158 y1162 crcB y1172 mrdA rlpB gltJ
y1111 y1116 y1121 y1126 y1131 y1136 y1141 y1146 y1152 y1157 y1163 y1167 lipB mrdB holA gltK
y1115 y1120 y1125 y1130 y1135 y1140 y1145 rbsC y1156 y1161 cspE lipA rlpA y1181 gltL
y1114 y1119 y1124 y1129 yapC y1139 y1144 rbsA y1155 y1160 y1165 y1170 dacA y1180 y1185
IS100 IS285 IS1541a
1300000
y1194 nagD y1204 y1210 y1215 proW asr y1231 y1236 ureF y1247 celB seqA kdpD y1267
y1193 asnB nagE fldA y1214 proX nrdH cspG y1235 ureE hdeB celA y1256 kdpE y1266
y1192 y1197 nagB fur y1213 y1218 nrdE y1229 y1234 ureC y1245 y1250 y1255 y1260 kdpA
corC y1196 nagA y1212 y1217 nrdF y1228 y1233 ureB y1244 y1249 celD y1259 kdpB
lnt y1195 nagC glnS y1206 y1211 y1216 proV y1227 y1232 ureA ureG y1248 celC pgm kdpC
IS1541a IS100
1350000 1400000
y1272 y1277 y1282 srmB rseB rnc y1302 y1307 y1312 glnB y1323 y1327 y1333 y1338 sseB y1348
y1271 y1276 ung y1286 rseA lepB acpS y1306 y1311 y1316 glyA y1326 y1332 y1337 pepB y1347
y1269 y1275 y1280 yplB rpoE lepA pdxJ y1305 y1310 y1315 hmpA y1328 suhB y1336 y1341 yapA
phrB y1274 y1279 yplA nadB y1294 recO y1304 purL y1314 y1320 hcaT y1330 y1335 fdx yapB
y1268 y1273 y1278 y1283 y1288 rseC era y1303 y1308 y1313 y1319 ompX y1329 y1334 hscA y1344
IS1541a IS1541a IS100
1450000