Predicted operons from *S.aureus* strain Mu50 genome. These operons were predicted using the integrated consensus method as described in the paper with gene pair score 0 as the threshold for operon boundaries.

Operons
dnaA, dnaN
SAV0003, recF, gyrB, gyrA
SAV0007
hutH
serS
SAV0010, SAV0011
SAV0012
SAV0013, SAV0014, rplI, dnaC, purA
vicR, vicK, SAV0020, SAV0021
SAV0022
SAV0023
SAV0024
SAV0025
SAV0026
SAV0030, truncated-repB, truncated-repB, tnp
pre
SAV0032, SAV0033
bleO
aadD
tnp, tnp
SAV0038
SAV0039, SAV0040
mecA
mecR1, mecI
xylR
SAV0047, SAV0046, SAV0045
SAV0048, SAV0049
SAV0050
SAV0051
ermA
ant(9)
tnpA, tnpB, tnpC
SAV0060, SAV0059, SAV0058, truncated-radC
ccrA, ccrB
SAV0064, SAV0063
SAV0065
SAV0068, tnp, tnp
SAV0069
kdpD, kdpE
truncated-kdpA, kdpB(SCCmec), kdpC(SCCmec)
SAV0076, SAV0075
SAV0077
SAV0080, SAV0079, SAV0078
SAV0081
SAV0082
SAV0083
SAV0085, SAV0084
SAV0086, SAV0087, SAV0088
SAV0089
SAV0090, SAV0091
SAV0092
SAV0093, SAV0094
plc
SAV0096, SAV0097, SAV0098, SAV0099, SAV0100, SAV0101, SAV0102, SAV0103
SAV0106, SAV0105, SAV0104
SAV0107
SAV0108

Predicted operons from *S.aureus* strain Mu50 genome. These operons were predicted using the integrated consensus method as described in the paper with gene pair score 0 as the threshold for operon boundaries.

SAV0109
lctP
spa
sarH1
sirA, sirB, sirC
SAV0116, SAV0117, SAV0118, SAV0119, SAV0120, SAV0121, SAV0122, SAV0123, SAV0124
SAV0125
butA
SAV0127
SAV0128, SAV0129
SAV0130, SAV0131, SAV0132
sodM
SAV0134
SAV0135
pnp, SAV0137, dra, drm
SAV0143, SAV0142, SAV0141, SAV0140
SAV0144, SAV0145
SAV0146, SAV0147
adhE
capA, capB, capC, capD, capE, capF, capG, capH, capI, capJ, capK, capL, capM, capN, capO, capP
SAV0166, SAV0165
aldA
SAV0168
SAV0170, SAV0169
SAV0171
SAV0172, SAV0173, SAV0174, SAV0175
SAV0176, fdh
SAV0178
SAV0179, SAV0180
SAV0181
SAV0185, argC, argJ, SAV0182
SAV0186
SAV0187
SAV0188
glcA
SAV0190, SAV0191, SAV0192, SAV0193
SAV0194
hsdR
SAV0196
SAV0197, SAV0198, SAV0199
SAV0200, SAV0201, SAV0202, SAV0203, SAV0204
oppF
truncated-oppB, SAV0207, rlp, SAV0209
SAV0210
SAV0211
SAV0212
msmX, SAV0214, SAV0215, SAV0216, SAV0217, SAV0218, SAV0219
SAV0220
uhpT, uhpT
SAV0225, SAV0224, SAV0223
pflB, pflA
SAV0228
SAV0229
coa
SAV0232, SAV0231
SAV0233
SAV0235, SAV0234
SAV0236

Predicted operons from *S.aureus* strain Mu50 genome. These operons were predicted using the integrated consensus method as described in the paper with gene pair score 0 as the threshold for operon boundaries.

SAV0237
SAV0238
SAV0240, SAV0239
lctE
SAV0242
SAV0243
SAV0244, SAV0245, SAV0246, gatC, SAV0248, SAV0249, SAV0250
SAV0251, SAV0252, SAV0253
SAV0254
SAV0255, SAV0256, SAV0257, SAV0258
scdA
lytS, lytR, lrgA, lrgB
SAV0264
SAV0265, bglA
SAV0267
SAV0270, rbsD, rbsK
SAV0271
SAV0272, SAV0273
SAV0274
SAV0275
lytM
SAV0280, SAV0279, SAV0278, SAV0277
SAV0281
SAV0282, SAV0283, SAV0284, SAV0285, SAV0286, SAV0287, SAV0288, SAV0289, SAV0290, SAV0291, SAV0292,
SAV0295
SAV0296
SAV0297
SAV0298, SAV0299, SAV0300, SAV0301, SAV0302
SAV0303
SAV0304
SAV0305
SAV0306
SAV0307
SAV0308, SAV0309
SAV0310
SAV0311, SAV0312, SAV0313
nanA, SAV0314
SAV0316
SAV0317
SAV0318
SAV0319
geh
SAV0322, SAV0321
SAV0323, SAV0324, SAV0325, SAV0326, SAV0327
SAV0328
SAV0332, SAV0331, SAV0330, SAV0329
SAV0333, SAV0334
SAV0335
glpT, glpT
SAV0338, SAV0339, SAV0340
SAV0341
SAV0342
SAV0343, SAV0344, SAV0345
SAV0347, SAV0346
SAV0348
SAV0349, SAV0350, SAV0351, SAV0352
SAV0353
SAV0354

Predicted operons from *S.aureus* strain Mu50 genome. These operons were predicted using the integrated consensus method as described in the paper with gene pair score 0 as the threshold for operon boundaries.

SAV0359, SAV0358, SAV0357, metE, SAV0355
SAV0360
SAV0361, SAV0362, SAV0363
SAV0364
rpsF, ssb, rpsR
SAV0369, SAV0368
SAV0370
SAV0371
SAV0372
SAV0373
SAV0374
SAV0375
SAV0376
SAV0377
SAV0379, SAV0378
ahpC, ahpF
SAV0382
SAV0383
tnp
SAV0385
SAV0386
SAV0387
xprT, pbuX, guaB, guaA
SAV0393, int
SAV0395, SAV0394
SAV0396
SAV0397
tetM
SAV0407, SAV0406, SAV0405, SAV0404, SAV0403, SAV0402, SAV0401, SAV0400, SAV0399
SAV0412, SAV0411, SAV0410, SAV0409, SAV0408
SAV0414, SAV0413
tnp
SAV0416
SAV0417
SAV0418
SAV0419
SAV0421, SAV0420
set6
set7
set8
set10
set11
set12
set13
set14, SAV0430, hsdM, hsdS
set15, SAV0434
SAV0435
lpl1, lpl2, lpl3
SAV0439, SAV0440, lpl5, lpl6, lpl7, lpl8
lpl9, SAV0446, SAV0447, SAV0448
SAV0449
SAV0450
SAV0451
ndhF, SAV0453
SAV0454
SAV0455
SAV0456, SAV0457
SAV0458

Predicted operons from *S.aureus* strain Mu50 genome. These operons were predicted using the integrated consensus method as described in the paper with gene pair score 0 as the threshold for operon boundaries.

cysM, yrhB, yrhB
SAV0462, SAV0463, SAV0464
SAV0465
SAV0466
SAV0467, SAV0468
SAV0470, SAV0469
gltC
gltB, gltD
treP, SAV0475, SAV0476
SAV0477, dnaX, SAV0479, recR
SAV0481, tmk, SAV0483, holB, SAV0485, SAV0486, SAV0487, SAV0488, SAV0489
metS, SAV0491, SAV0492, ksgA, veg
SAV0495, purR, SAV0497, spoVG
gcaD, prs, rplY
pth, mfd, SAV0504, SAV0505, SAV0506, SAV0507, SAV0508, SAV0509, SAV0510, ftsH, SAV0512, cysK
folP, folB, folK
lysS
SAV0518
SAV0519, SAV0520
nupC
ctsR, SAV0523, SAV0524, clpC
radA, SAV0527
gltX
cysE, cysS, SAV0531, SAV0532, SAV0533
secE, nusG
SAV0536, rplK, rplA, rplJ, rplL, SAV0541, rpoB, rpoC, SAV0544, rpsL, rpsG, fus, tufA
SAV0549
SAV0550
SAV0551
araB
SAV0553
ilvE
SAV0555
SAV0557, SAV0556
SAV0558
SAV0559, SAV0560
sdrC
sdrD
sdrE
SAV0564
SAV0565
SAV0568, SAV0567, SAV0566
nagB, SAV0570, SAV0571
SAV0572
proP
SAV0574, vraA, vraB, vraC, SAV0578
SAV0579
SAV0580
ung, SAV0582
SAV0583
SAV0584
SAV0586, SAV0585
SAV0587
pta, SAV0589
mvaK1, mvaD, mvaK2
SAV0593
SAV0595, SAV0594
SAV0596, SAV0597, SAV0598

Predicted operons from *S.aureus* strain Mu50 genome. These operons were predicted using the integrated consensus method as described in the paper with gene pair score 0 as the threshold for operon boundaries.

SAV0599
SAV0600
SAV0601
SAV0602, SAV0603, SAV0604
adh1
SAV0606, argS
SAV0608
SAV0609
SAV0610, SAV0611, SAV0612
SAV0613
SAV0614
SAV0615
sarA
SAV0617
SAV0619, SAV0618
SAV0620, SAV0621, SAV0622, SAV0623, SAV0624, SAV0625, SAV0626, SAV0627, SAV0628
SAV0629
tnp
SAV0633, SAV0632, SAV0631
SAV0634
SAV0635
tagA
tagH
tagG
tagB, tagX, tagD
pbp4
SAV0643, SAV0644
SAV0645
SAV0646
fhuA, fhuB, fhuG
SAV0650, SAV0651, SAV0652
SAV0653
SAV0654
SAV0655
SAV0656
SAV0657
SAV0658, SAV0659, SAV0660, vraF, vraG
SAV0663, SAV0664
SAV0665
SAV0666
SAV0667, SAV0668
SAV0669
SAV0670
SAV0671
SAV0672
SAV0673, SAV0674
SAV0675
SAV0676, SAV0677
SAV0678, SAV0679
SAV0682, SAV0681, SAV0680
bacA
SAV0684, SAV0685
SAV0686
SAV0687
SAV0688, SAV0689
SAV0690, SAV0691
SAV0693, SAV0692
SAV0694

Predicted operons from *S.aureus* strain Mu50 genome. These operons were predicted using the integrated consensus method as described in the paper with gene pair score 0 as the threshold for operon boundaries.

norA
SAV0696
SAV0697
SAV0698, fruB, fruA
nagA
SAV0702
SAV0703
SAV0704
SAV0707, saeR, saeS
SAV0708
SAV0712, SAV0711, SAV0710, SAV0709
SAV0713, SAV0714, SAV0715, SAV0716, SAV0717, SAV0718
SAV0719
SAV0720, recQ
SAV0722, SAV0723
SAV0724
SAV0725
SAV0726
SAV0727
SAV0729, SAV0728
nrdI, nrdE, nrdF
SAV0733, SAV0734, SAV0735, SAV0736
SAV0738, SAV0737
SAV0739
SAV0740
SAV0741
SAV0742
SAV0745, SAV0744, pepT
SAV0746
llm
SAV0748
SAV0749
SAV0750, SAV0751, SAV0752
secA
prfB
SAV0755
SAV0756, SAV0757, uvrB, uvrA
hprK, lgt, SAV0762, SAV0763, trxB
SAV0765, SAV0766, SAV0767
clpP
SAV0769
SAV0770
gapR, gap, pgk, tpi, pgm, eno
SAV0777, secG, SAV0779, SAV0780, SAV0781, ssrP
SAV0784, SAV0783
SAV0785, SAV0786, SAV0787, SAV0788, SAV0789, SAV0790, SAV0791
SAV0792, SAV0793, SAV0794
SAV0795, SAV0796, SAV0797, SAV0798, SAV0799, SAV0800
SAV0801
SAV0802
SAV0803, SAV0804
SAV0805, SAV0806
SAV0807
SAV0808
SAV0809
SAV0810
fnb
SAV0812

Predicted operons from *S.aureus* strain Mu50 genome. These operons were predicted using the integrated consensus method as described in the paper with gene pair score 0 as the threshold for operon boundaries.

ssp
SAV0814
nuc
cspC
SAV0819, SAV0818, SAV0817
SAV0821, SAV0820
SAV0822
SAV0823
SAV0824
SAV0825
SAV0826
SAV0827
SAV0828
SAV0829, SAV0830
SAV0831
SAV0832, SAV0833
SAV0834
SAV0835, SAV0836
SAV0837, SAV0838, SAV0839
SAV0840
SAV0841
SAV0842, SAV0843, SAV0844, SAV0845, SAV0846
int
int
SAV0851, SAV0850, SAV0849
SAV0852, SAV0853
SAV0854
SAV0855, SAV0856, SAV0857
SAV0858
SAV0859
SAV0860
SAV0861
SAV0862, SAV0863
SAV0864, SAV0865, SAV0866
SAV0867
SAV0868, SAV0869, SAV0870, SAV0871, SAV0872
SAV0873, SAV0874, SAV0875, SAV0876, SAV0877, SAV0878, SAV0879, SAV0880, SAV0881, SAV0882, SAV0883,
SAV0885, SAV0886, SAV0887, SAV0888, SAV0889
SAV0890, SAV0891
SAV0892, SAV0893, SAV0894, SAV0895, SAV0896, SAV0897, SAV0898, SAV0899, SAV0900, SAV0901, SAV0902, SAV0903, SAV0904, SAV0905, SAV0906, SAV0907, SAV0908
SAV0909, SAV0910, SAV0911, SAV0912, SAV0913
SAV0914, SAV0915
SAV0916, SAV0917
SAV0918
SAV0919, SAV0920
SAV0921, SAV0922, SAV0923, lipA
SAV0925
tnp
SAV0927
SAV0928, SAV0929, SAV0930
SAV0931, dltA, dltB, dltC, dltD
SAV0936
SAV0937
SAV0938
SAV0939, SAV0940
SAV0941
ampA

Predicted operons from *S.aureus* strain Mu50 genome. These operons were predicted using the integrated consensus method as described in the paper with gene pair score 0 as the threshold for operon boundaries.

SAV0943, SAV0944
SAV0945
mnhA, mnhB, mnhC, mnhD, mnhE, mnhF, mnhG
SAV0953
SAV0954
SAV0955
SAV0956
rocD
gudB
glpQ
argG, argH
pgi
SAV0963, spsA, spsB, SAV0966, SAV0967, SAV0968
SAV0969
SAV0971, cdr
SAV0972
SAV0973
SAV0974
clpB
SAV0976
SAV0977, SAV0978, SAV0979, SAV0980
SAV0981
SAV0982
fabH, SAV0984
SAV0985
oppB, SAV0987, oppD, oppF, SAV0990
SAV0991, SAV0992, appF, oppB, SAV0995
trpS
SAV0997
SAV0998, SAV0999, SAV1000
SAV1003, SAV1002, yjbM
SAV1004
SAV1005, SAV1006, SAV1007, SAV1008, SAV1009, SAV1010, fabI
SAV1012
SAV1013
SAV1014, SAV1015
SAV1017, SAV1016
murE, SAV1019, SAV1020
SAV1021
SAV1022
htrA, SAV1024
SAV1025
SAV1026
SAV1027
SAV1028
SAV1029, SAV1030
SAV1031
SAV1032, SAV1033, SAV1034, SAV1035
SAV1036
SAV1037
SAV1038
SAV1039
SAV1040
SAV1041
SAV1042, menD, SAV1044, menB
sspA, sspB, sspC
SAV1049
SAV1050

Predicted operons from *S.aureus* strain Mu50 genome. These operons were predicted using the integrated consensus method as described in the paper with gene pair score 0 as the threshold for operon boundaries.

SAV1051
truncated-atl
atl
SAV1054
SAV1056, SAV1055
fmt
SAV1061, qoxB, qoxC, SAV1058
SAV1062
folD
SAV1064, purK, purC, SAV1067, purQ, purL, purF, purM, purN, purH, purD
SAV1077, SAV1076, SAV1075
SAV1079, SAV1078
SAV1080
SAV1081, SAV1082
ptsH, ptsI
SAV1085
SAV1086, SAV1087
SAV1088
SAV1090, SAV1089
pdf1
SAV1092
pdhA, phdB, pdhC, pdhD
SAV1097
SAV1098, potA, potB, potC, potD, SAV1103
SAV1104
SAV1105
SAV1106
SAV1107
SAV1108
SAV1109
SAV1111, SAV1110
SAV1112
SAV1113
pycA
SAV1115
ctaB, SAV1117
SAV1118, SAV1119, SAV1120
SAV1121
SAV1122
SAV1123
SAV1124, SAV1125
SAV1126
SAV1127, rpmF
SAV1129
SAV1130
SAV1131, SAV1132, SAV1133, SAV1134, SAV1135, SAV1136
SAV1137
pheS, pheT
SAV1140
SAV1141, SAV1142, SAV1143, mutS2, trxA
uvrC
sdhC, sdhA, sdhB, sdhB
murI, SAV1152, SAV1153
SAV1154
SAV1155
SAV1156
SAV1157
SAV1158

Predicted operons from *S.aureus* strain Mu50 genome. These operons were predicted using the integrated consensus method as described in the paper with gene pair score 0 as the threshold for operon boundaries.

SAV1159
SAV1160
SAV1161
tnp
SAV1163
SAV1164
SAV1165
SAV1166
SAV1168, SAV1167
argF, SAV1170, SAV1171
SAV1172
SAV1173
SAV1174
SAV1175
SAV1176
SAV1177, SAV1178, SAV1179, ftsL, pbpA, mraY, murD, div1b, ftsA, ftsZ
SAV1187, SAV1188, SAV1189, SAV1190, SAV1191, SAV1192, ileS
SAV1194
truncated-tnp
lsp, SAV1197
pyrR, pyrP, pyrB, pyrC, pyrAA, pyrAB
pyrF, pyrE, SAV1206
SAV1207
SAV1208
gmk, SAV1210, SAV1211, priA
SAV1213
SAV1214
SAV1215, SAV1216, SAV1217, SAV1218, SAV1219, SAV1220, SAV1221, cfxE, SAV1223
rpmB
SAV1225, SAV1226, recG, SAV1228, plsX, fabD, fabG
hmrB, rnc, smc, SAV1235, SAV1236, ffh
rpsP, rimM, trmD, rplS
SAV1242
SAV1243, rnhB
sucC, sucD
lytN, fmhC(eprh)
SAV1249, SAV1250, gid
xerC, clpQ, clpY, codY
rpsB, SAV1257, smbA, frr
uppS, cdsA, SAV1262, proS, polC, SAV1265, nusA, SAV1267, SAV1268, infB
rbfA, truB, ribC, rpsO
pnpA
SAV1275
spoIIIE, SAV1277, SAV1278, SAV1279, SAV1280
SAV1281, SAV1282, pgsA, cinA, recA
SAV1286
SAV1287
SAV1288
SAV1289, SAV1290, SAV1291
SAV1292, SAV1293, SAV1294
mutS, mutS, mutL, glpP
SAV1299
glpF, glpK, glpD
SAV1303, miaA, SAV1305
bsaA
SAV1307, SAV1308, glnR, glnA
SAV1311
SAV1312

Predicted operons from *S.aureus* strain Mu50 genome. These operons were predicted using the integrated consensus method as described in the paper with gene pair score 0 as the threshold for operon boundaries.

SAV1313
SAV1314
SAV1315
SAV1316, SAV1317
SAV1318, SAV1319, SAV1320, SAV1321, SAV1322
SAV1323
nuc
SAV1325
SAV1326
SAV1327
dhoM, thrC, thrB, SAV1331
SAV1332
SAV1333
katA, rpmG
rpsN
SAV1337, SAV1338
lexA
SAV1340
SAV1341, tkt, SAV1343
SAV1344
SAV1345, SAV1346
mscL
opuD, opuD
citB
SAV1351
SAV1352
SAV1353
parE, parC
alsT
glcT, SAV1358, SAV1359
fmtC
msrA
msrR
SAV1363
SAV1364
tyrA
SAV1366
SAV1367, trpG, trpD, trpC, trpF, trpB, trpA
femA, femB
SAV1376
SAV1377
SAV1378
SAV1382, SAV1381, SAV1380, SAV1379
SAV1383
SAV1384
SAV1389, SAV1388, SAV1387, pstB, SAV1385
SAV1390
SAV1391
SAV1392
lysC, asd, dapA, dapB, dapD
SAV1398, SAV1399, lysA
SAV1401
cspA
SAV1403
SAV1404, SAV1405, SAV1406
braB
SAV1409, SAV1408
SAV1411, SAV1410

Predicted operons from *S.aureus* strain Mu50 genome. These operons were predicted using the integrated consensus method as described in the paper with gene pair score 0 as the threshold for operon boundaries.

odhA, odhB
truncated-arlR, arlS
SAV1416
SAV1419, murG, SAV1417
ctpA
thyA, dfrA, SAV1425, SAV1424, SAV1423, SAV1422, SAV1421
SAV1431, SAV1430, SAV1429, SAV1428
SAV1432
SAV1433
ebhB, ebhA
SAV1436
SAV1439, SAV1438, SAV1437
SAV1441, SAV1440
SAV1442
SAV1444, SAV1443
SAV1445
SAV1448, SAV1447, SAV1446
recU, pbp2
SAV1453, nth, SAV1451
asnS
SAV1458, SAV1457, SAV1456, dinG
SAV1459
aroC, aroB, aroA, SAV1463, SAV1462, SAV1461, SAV1460
SAV1472, gerCB, gerCC, ndk, SAV1468, SAV1467
hu
SAV1476, SAV1475, gpsA
SAV1477
cmk
ansA
SAV1480
ebpS
SAV1483, SAV1482
fer
SAV1485
SAV1486
SAV1490, SAV1489, SAV1488, SAV1487
SAV1495, SAV1494, rluB, srrA, srrB
SAV1496
SAV1498, xerD
SAV1499
SAV1500
SAV1502, SAV1501
SAV1503
SAV1504
SAV1505
SAV1506
malR, malA
SAV1509
SAV1510
SAV1512, gnd
SAV1514, SAV1513
SAV1518, bfmBAA, bfmBAB, bmfBB
ahrC, recN
accB, accC, SAV1525, SAV1524, SAV1523, SAV1522, ispA
SAV1528
SAV1530, SAV1529
SAV1531, SAV1532
SAV1533

Predicted operons from *S.aureus* strain Mu50 genome. These operons were predicted using the integrated consensus method as described in the paper with gene pair score 0 as the threshold for operon boundaries.

SAV1534
SAV1537, SAV1536, SAV1535
SAV1538
SAV1550, SAV1549, SAV1548, glcK, SAV1546, SAV1545, SAV1544, SAV1543, SAV1542, SAV1541, SAV1540, SAV1539
rpmG
sodA, pbp3
SAV1556, SAV1555, SAV1554
SAV1564, SAV1563, dnaG, sigA, SAV1560, SAV1559, SAV1558, SAV1557
glyS
phoH, SAV1570, SAV1569, cdd, bex, SAV1566
SAV1574, SAV1573, SAV1572
rpsU
hemN, hrcA, grpE, dnaK, dnaJ, SAV1578, SAV1577, SAV1576
SAV1584
lepA
rpsT
pfs, SAV1598, SAV1597, aroE, SAV1595, SAV1594, SAV1593, SAV1592, SAV1591, SAV1590, comEB, SAV1588,
SAV1600
SAV1601
SAV1602
SAV1603
SAV1609, SAV1608, SAV1607, SAV1606, SAV1605, SAV1604
SAV1614, SAV1613, SAV1612, udk, greA
alaS, SAV1617, SAV1616, SAV1615
SAV1620, SAV1619
SAV1622, SAV1621
SAV1623
SAV1626, csbD, SAV1624
SAV1627
SAV1628
SAV1629
hisS, aspS
relA, SAV1633, lytH
obg, SAV1643, ruvA, ruvB, queA, tgt, SAV1638, secF, SAV1636, apt
rplU, SAV1646, rpmA
SAV1649, SAV1648
SAV1650
SAV1651
SAV1652
SAV1653
SAV1654
ermA
ant(9)
tnpA, tnpB, tnpC
valS, folC, SAV1661, truncated-radC
tag
SAV1677, SAV1676, tig, clpX, SAV1673, hemA, hemX, hemC, hemD, hemB, hemL, SAV1666, SAV1665
infC, rpmI, rplT
SAV1681
SAV1682
thrS
SAV1686, dnaB, dnaI
polA, SAV1689, SAV1688, gapB
SAV1691
phoP, phoR
citZ, citC
aapA
pfk, pykA

Predicted operons from *S.aureus* strain Mu50 genome. These operons were predicted using the integrated consensus method as described in the paper with gene pair score 0 as the threshold for operon boundaries.

tnp
SAV1701, accA
SAV1702
SAV1704, dnaE
SAV1705
SAV1706
SAV1707
SAV1708
ald
SAV1710
SAV1716, SAV1715, SAV1714, SAV1713, SAV1712, ackA
SAV1717
SAV1718, rpsD
tnp
SAV1721
SAV1722
SAV1723, serA
SAV1725
ptaA
SAV1727
SAV1728
tyrS
sgtA
SAV1731
fhs
acsA
acuA, acuC
ccpA
SAV1737
SAV1745, SAV1744, SAV1743, SAV1742, SAV1741, murC, SAV1739, SAV1738
SAV1746
SAV1747
SAV1749, SAV1748
SAV1751, SAV1750
SAV1754, SAV1753, SAV1752
SAV1755, SAV1756
mrp, mrp
leuS, SAV1759
SAV1761
SAV1762, SAV1763
rot
SAV1765
SAV1766
ribD, ribB, ribA, SAV1768, SAV1767
SAV1772
SAV1773, SAV1774
SAV1775
SAV1776
SAV1777
SAV1778
SAV1779
SAV1780
SAV1781
SAV1782
SAV1783, SAV1784
SAV1785
SAV1786, SAV1787
SAV1788

Predicted operons from *S.aureus* strain Mu50 genome. These operons were predicted using the integrated consensus method as described in the paper with gene pair score 0 as the threshold for operon boundaries.

SAV1789
metK
pckA
SAV1792
SAV1794, SAV1793
SAV1795
menE, menC
SAV1798
SAV1799, SAV1800, SAV1801, SAV1802
SAV1803
SAV1805, SAV1804
tnp
SAV1808, SAV1807
splF
splD
splB, splC
splA
SAV1814
SAV1815
SAV1816
SAV1817, SAV1818
lukE, lukD
SAV1821
SAV1822
SAV1823
seg
yent1, yent2, sen
sem, sei
seo
SAV1831
hemE, hemH, hemY
traP
SAV1837, SAV1836
hit
SAV1839
SAV1840, prsA
SAV1844, SAV1843, cbf1
SAV1846, SAV1845
SAV1847
SAV1849, SAV1848
SAV1850
citG
SAV1852
SAV1854, SAV1853
SAV1856, SAV1855
SAV1858, SAV1857
SAV1859
tnp
SAV1863, SAV1862, SAV1861
gsaB, SAV1865
SAV1867, SAV1866
SAV1868
SAV1869
SAV1873, SAV1872, SAV1871, SAV1870
SAV1874
SAV1875
SAV1876
SAV1877

Predicted operons from *S.aureus* strain Mu50 genome. These operons were predicted using the integrated consensus method as described in the paper with gene pair score 0 as the threshold for operon boundaries.

SAV1880, ampS, SAV1878
SAV1881, SAV1882, SAV1883
SAV1887, SAV1886, vraS, vraR
map
SAV1889
SAV1890
SAV1892, SAV1891
SAV1893
SAV1894
SAV1895
SAV1896
SAV1898, SAV1897
SAV1901, SAV1900, SAV1899
putP
pcrB, pcrA, dnlJ, SAV1903
SAV1907
purB
SAV1909, SAV1910
SAV1911
SAV1913, nadE
SAV1914, SAV1915
SAV1916
SAV1917
SAV1918, SAV1919
aldH
SAV1921
SAV1922
SAV1923
SAV1924
SAV1925
SAV1928, SAV1927, SAV1926
SAV1929
SAV1934, SAV1933, SAV1932, SAV1931, SAV1930
SAV1935
SAV1936
truncated-mapW, truncated-mapW
truncated-hlb
SAV1940
SAV1941
SAV1942
truncated-lytA
sak
SAV1946, SAV1945
SAV1947
sep
SAV1949
SAV1955, SAV1954, SAV1953, SAV1952, SAV1951, SAV1950
SAV1956
SAV1967, SAV1966, SAV1965, SAV1964, SAV1963, SAV1962, SAV1961, SAV1960, SAV1959, SAV1958, SAV1957
SAV1968
SAV1984, SAV1983, SAV1982, SAV1981, SAV1980, SAV1979, SAV1978, SAV1977, SAV1976, SAV1975, SAV1974, SAV1973, SAV1972, SAV1971, SAV1970, SAV1969
SAV1991, SAV1990, SAV1989, SAV1988, SAV1987, SAV1986, SAV1985
SAV1992
SAV1994, SAV1993
SAV1995
SAV1997, SAV1996
SAV1998, SAV1999, SAV2000, SAV2001, int, truncated-hlb

Predicted operons from *S.aureus* strain Mu50 genome. These operons were predicted using the integrated consensus method as described in the paper with gene pair score 0 as the threshold for operon boundaries.

SAV2005, SAV2004
SAV2006
SAV2007
sel
sec3
SAV2010
tst
SAV2012
SAV2013, SAV2014
SAV2018, SAV2017, SAV2016, SAV2015
SAV2020, SAV2019
SAV2026, SAV2025, SAV2024, SAV2023, SAV2022, SAV2021
SAV2027, int
groES, groEL
SAV2031
SAV2032
SAV2033
SAV2034
hld
agrB, agrD, agrC, agrA
scrR, scrB, SAV2040
nrgA
SAV2045, SAV2044
SAV2046
vga
SAV2048
SAV2052, SAV2051, SAV2050, SAV2049
ilvD, ilvB, SAV2055, ilvC, leuA, leuB, leuC, leuD, ilvA
SAV2063, SAV2062
rsbU, rsbV, rsbW, sigB
SAV2074, SAV2073, SAV2072, dpj, alr, SAV2069, SAV2068
kdpA, kdpB, kdpC
kdpD, kdpE
tnp
SAV2081
ddlA, murF
SAV2084
SAV2085
SAV2087, SAV2086
SAV2088, SAV2089
SAV2094, thiD, thiM, thiE, SAV2090
SAV2095
SAV2096
SAV2097
SAV2101, murA, murA, SAV2098
SAV2110, atpB, atpE, atpF, atpH, atpA, atpG, atpD, atpC
SAV2114, glyA, upp, mnaA
tdk, prfA, SAV2117, SAV2116, SAV2115
rho, rpmE
SAV2122
murZ, SAV2123
fbaA
SAV2126
pyrG
rpoE
SAV2129
SAV2130
SAV2131

Predicted operons from *S.aureus* strain Mu50 genome. These operons were predicted using the integrated consensus method as described in the paper with gene pair score 0 as the threshold for operon boundaries.

hmrA, SAV2132
luxS
SAV2137, pdp, SAV2135
deoD
dps
SAV2140
SAV2141
SAV2143, SAV2142
SAV2144
czrA, czrB
SAV2147
SAV2148
SAV2149
SAV2150, SAV2151
SAV2153, SAV2152
glmS
SAV2155, mtlF, SAV2157, mtlA, mtlD
fmtB(mrp)
SAV2163, SAV2162, glmM(femD)
arg
SAV2165
SAV2166
SAV2169, SAV2168, SAV2167
SAV2172, SAV2171, SAV2170
SAV2173
SAV2174
SAV2177, SAV2176, SAV2175
SAV2180, SAV2179, SAV2178
SAV2181
SAV2184, SAV2183, asp23
SAV2185
SAV2186
SAV2187
SAV2188
lacA, lacB, lacC, lacD, lacF, lacE, lacG
lacR
SAV2197, SAV2198
SAV2199
SAV2201, SAV2200
hysA
SAV2203
SAV2204
SAV2205
alsS, SAV2206
SAV2208
SAV2209
SAV2211, SAV2210
SAV2212
SAV2215, SAV2214, SAV2213
SAV2216
SAV2222, SAV2221, SAV2220, truA, rplM, rpsI
rpsJ, rplC, rplD, rplW, rplB, rpsS, rplV, rpsC, rplP, rpmC, rpsQ, rplN, rplX, rplE, rpsN, rpsH, rplF, rplR, rpsE, rpmD, rplO, secY, adk, infA, rpmJ, rpsM, rpsK, rpoA, rplQ
SAV2252
SAV2253
topB
SAV2255
SAV2256

Predicted operons from *S.aureus* strain Mu50 genome. These operons were predicted using the integrated consensus method as described in the paper with gene pair score 0 as the threshold for operon boundaries.

SAV2257
SAV2258
SAV2259
SAV2260
SAV2261
fmhB
SAV2263
SAV2264
SAV2265, SAV2266
SAV2267
moeA, mobB, moaE, moaD, mobA, moaA
moaC
moeB, moaB
modB, modC
modA
narQ
SAV2282, SAV2281
SAV2283
SAV2284
SAV2287, SAV2286, SAV2285
ureA, ureB, ureC, ureE, ureF, ureG, ureD
sarR
SAV2298, SAV2297, SAV2296
ssaA
SAV2300
SAV2302, SAV2301
SAV2303
SAV2304
SAV2305
SAV2306
SAV2307
SAV2309, SAV2308
SAV2310
SAV2311
SAV2312
SAV2313
SAV2314
SAV2315
SAV2316
SAV2317, SAV2318
SAV2321, SAV2320, SAV2319
SAV2322
glvC
SAV2324
SAV2325
SAV2326
SAV2327
SAV2328
SAV2329
hutU, hutI
SAV2332
fosB
SAV2334
SAV2335
SAV2336
SAV2337
SAV2339, SAV2338
SAV2341, SAV2340

Predicted operons from *S.aureus* strain Mu50 genome. These operons were predicted using the integrated consensus method as described in the paper with gene pair score 0 as the threshold for operon boundaries.

SAV2342
SAV2343
SAV2344
SAV2345
SAV2347, fni
SAV2348, SAV2349
SAV2350
SAV2351
SAV2353, SAV2352
SAV2354
tcaB
tcaA
tcaR
SAV2358
SAV2360, SAV2359
SAV2361, SAV2362
SAV2363, SAV2364
SAV2365
SAV2366
SAV2367
SAV2368
SAV2369
SAV2370
SAV2372, SAV2371
SAV2373
SAV2374
SAV2375, SAV2376
scrA
SAV2378
tnp
SAV2380
SAV2381, SAV2382
SAV2383
gltT
SAV2385
SAV2386
SAV2387
narK
SAV2389, SAV2390
narG, narH, SAV2395, narI, SAV2393, SAV2392, SAV2391
SAV2401, nasD, nasE, nasF
SAV2402
SAV2403
SAV2405, SAV2404
SAV2406
SAV2408, SAV2407
SAV2410, SAV2409
fmhA
SAV2414, SAV2413, SAV2412
SAV2415
SAV2416
SAV2417
sbi
hlgA
hlgC, hlgB
bioD, bioA, bioB, SAV2424, SAV2423, SAV2422
SAV2429, SAV2428
SAV2430

Predicted operons from *S.aureus* strain Mu50 genome. These operons were predicted using the integrated consensus method as described in the paper with gene pair score 0 as the threshold for operon boundaries.

SAV2431
SAV2432, SAV2433
SAV2434
SAV2435
SAV2436
SAV2437
SAV2438
SAV2439
SAV2440
SAV2441
SAV2442
SAV2443
SAV2444
opuCA, opuCB, opuCC, opuCD
SAV2449
SAV2450
SAV2451
SAV2452
SAV2454, SAV2453
SAV2455
SAV2457, SAV2456
SAV2458
SAV2459
SAV2460
SAV2470, SAV2469, SAV2468, SAV2467, SAV2466, SAV2465, SAV2464, SAV2463, SAV2462, SAV2461
SAV2472, SAV2471
SAV2473
SAV2474
SAV2476, SAV2475
SAV2477
SAV2478
SAV2479
SAV2480
SAV2481
SAV2485, SAV2484, SAV2483, SAV2482
SAV2486
SAV2487
SAV2490, SAV2489, SAV2488
SAV2491
SAV2492
SAV2493
SAV2495, SAV2494
SAV2496
SAV2497
sarH3
sarH2
gtaB
tnp
fnbB
fnb
SAV2504
gntR, gntK, gntP
SAV2508
SAV2509
SAV2511, SAV2510
SAV2512
SAV2513
SAV2514, SAV2515

Predicted operons from *S.aureus* strain Mu50 genome. These operons were predicted using the integrated consensus method as described in the paper with gene pair score 0 as the threshold for operon boundaries.

fbp
SAV2517
SAV2520, SAV2519, SAV2518
SAV2521
SAV2522
SAV2523
ddh
SAV2525
SAV2526, SAV2527
srtA
SAV2529
SAV2532, SAV2531, SAV2530
SAV2533
SAV2534
SAV2535
SAV2537, SAV2536
ptsG
SAV2541, SAV2540, SAV2539
SAV2542
SAV2543
SAV2544
mvaA
mvaS
adaB
clpL
SAV2551, feoB, SAV2549
SAV2552
SAV2553
rocA
SAV2555
SAV2556
copA
SAV2558
SAV2560, SAV2559
SAV2565, SAV2564, SAV2563, crtM, crtN
SAV2566
SAV2567
SAV2568
isaA
SAV2570
SAV2571
SAV2572
SAV2573
SAV2577, SAV2576, SAV2575, SAV2574
SAV2578, SAV2579, SAV2580, SAV2581
SAV2584, SAV2583, SAV2582
SAV2587, SAV2586, SAV2585
SAV2588
SAV2589
SAV2590
SAV2591
SAV2592
SAV2593
SAV2594
SAV2596, SAV2595
panB, panC, panD
SAV2600
SAV2601

Predicted operons from *S.aureus* strain Mu50 genome. These operons were predicted using the integrated consensus method as described in the paper with gene pair score 0 as the threshold for operon boundaries.

SAV2602
SAV2603
SAV2604
SAV2605
SAV2606
mqo2
SAV2608
SAV2609
SAV2610
SAV2611
gbsA, betA
SAV2614
cudT
nrdD, SAV2616
SAV2618
SAV2620, SAV2619
SAV2621
SAV2623, SAV2622
SAV2626, SAV2625, SAV2624
phoB
SAV2628
SAV2629
clfB
arcA, arcB, arcD, arcC, SAV2631
SAV2636
aur
isaB
SAV2639
SAV2640, SAV2641, pmi
SAV2643
SAV2644
SAV2645
SAV2646
SAV2653, SAV2652, SAV2651, SAV2650, SAV2649, SAV2648, SAV2647
SAV2654
SAV2655
SAV2656, SAV2657
SAV2658
SAV2661, SAV2660, SAV2659
SAV2664, SAV2663, SAV2662
icaR
icaA, icaD, icaB, icaC
SAV2670
lip
SAV2680, hisG, SAV2678, SAV2677, hisB, hisH, SAV2674, hisF, hisI
SAV2681
SAV2686, SAV2685, SAV2684, SAV2683, SAV2682
SAV2687
drp35
SAV2689
pcp
SAV2692, SAV2691
SAV2693
SAV2694, SAV2695
SAV2696
SAV2697
SAV2698
SAV2699

Predicted operons from *S.aureus* strain Mu50 genome. These operons were predicted using the integrated consensus method as described in the paper with gene pair score 0 as the threshold for operon boundaries.

SAV2700
vraD, vraE, SAV2703
cspB
SAV2705
SAV2707, SAV2706
SAV2708
thdF, gidA, gidB, SAV2709
rpmH, rnpA