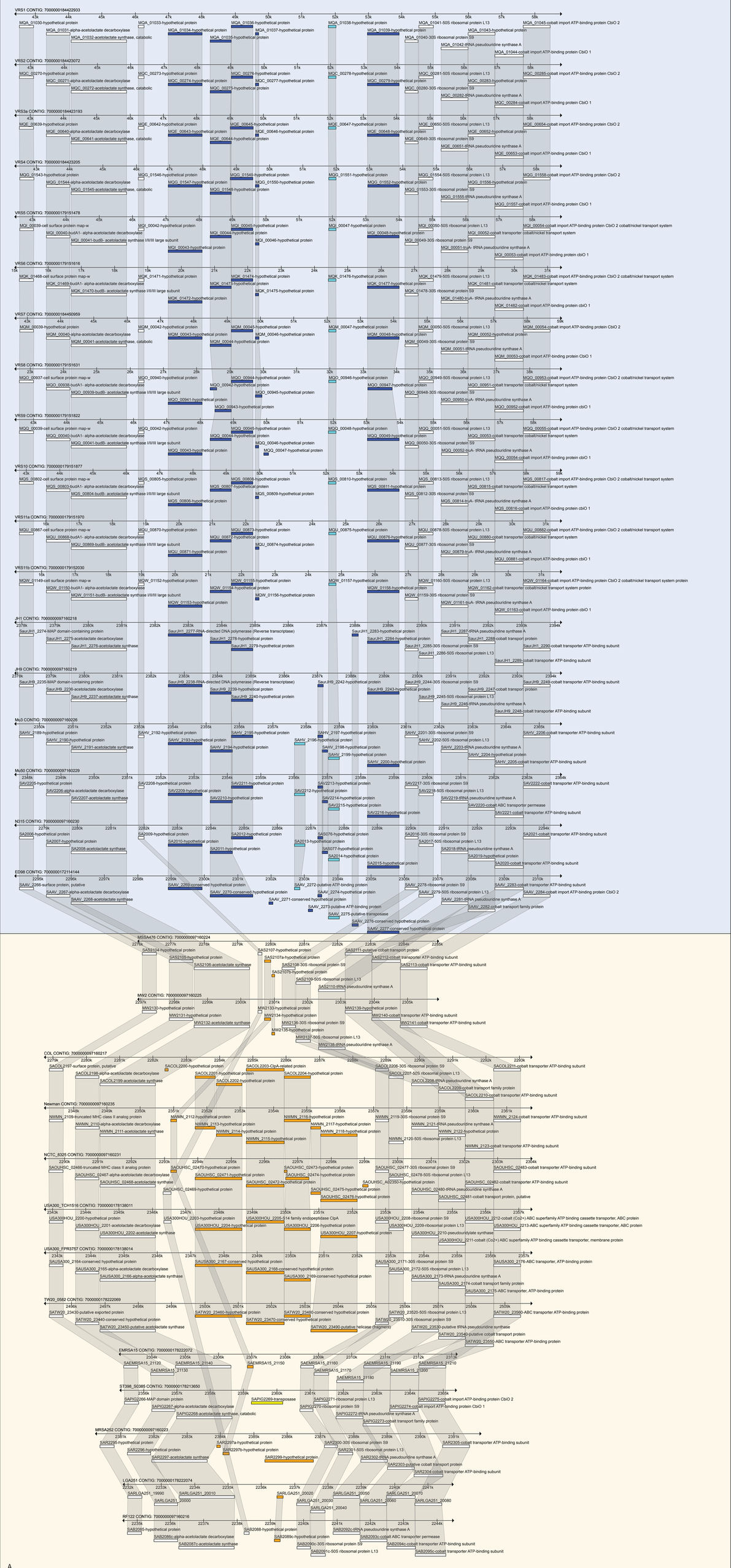
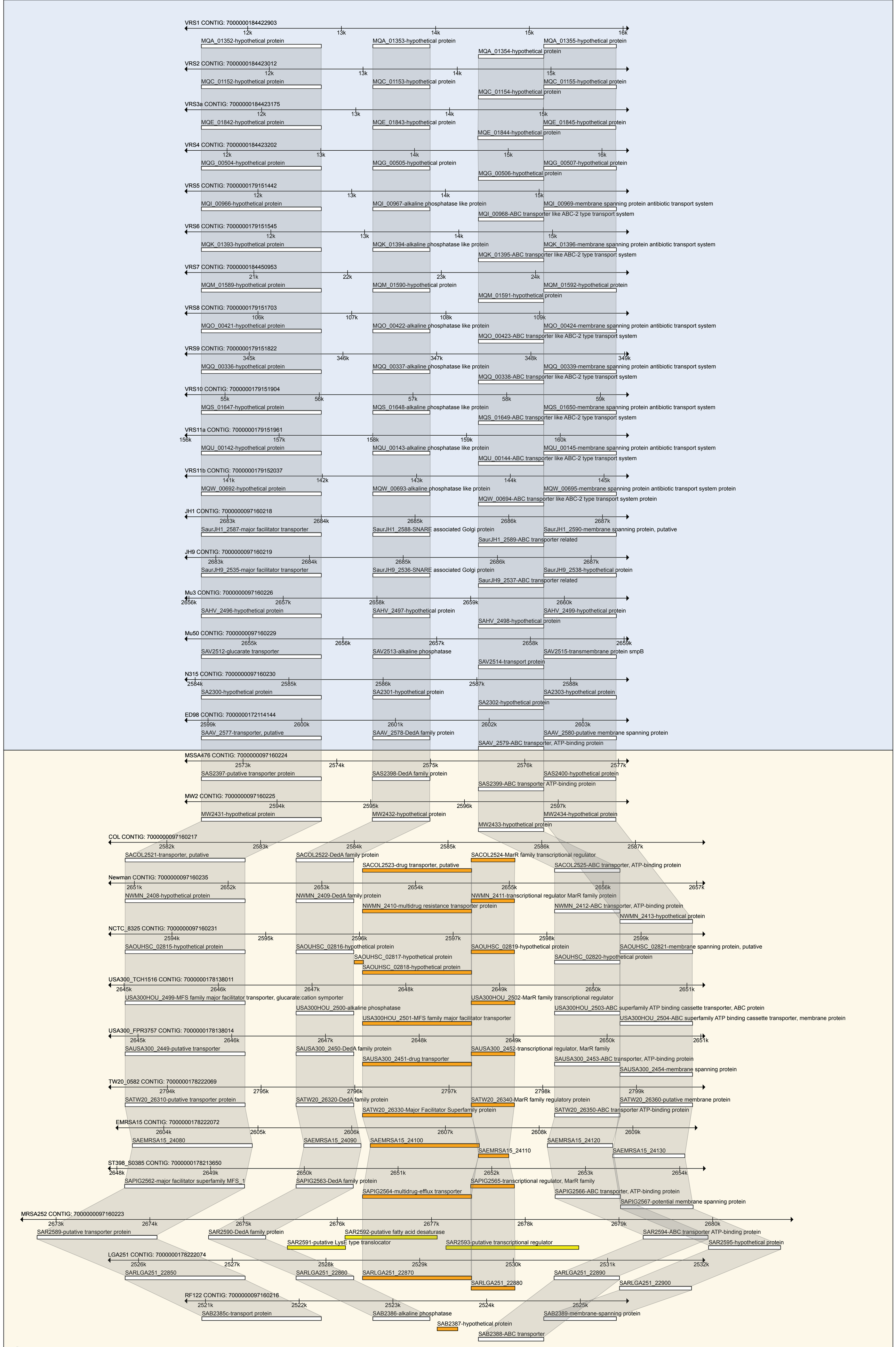
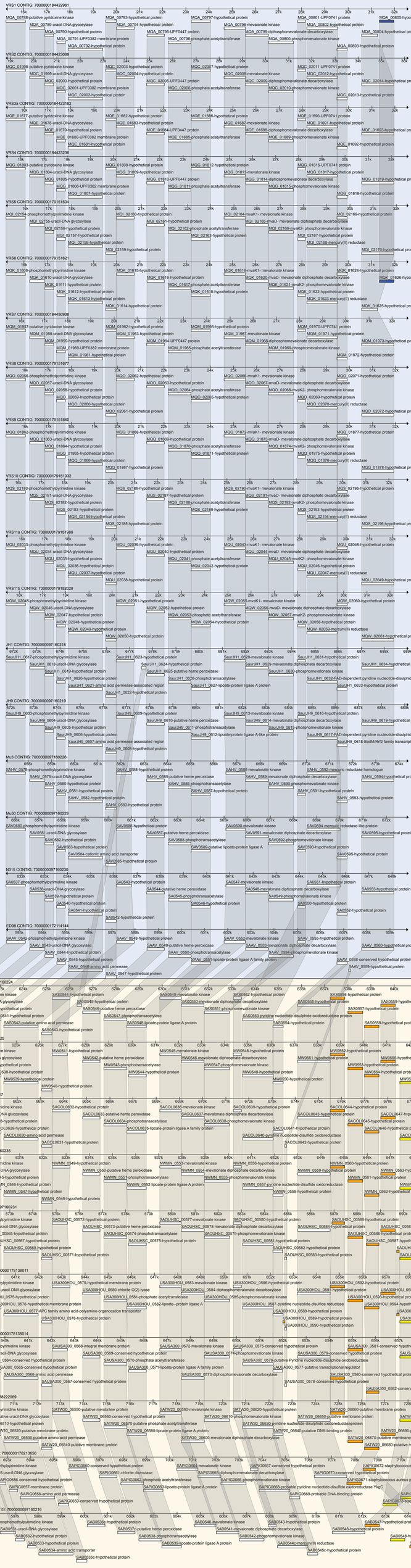

VRS1 CONTIG: 7000000184422933
MQA_01030-hypothetical protein
MQA_01031-alpha-acetolactate decarboxylase
MQA_01032-acetolactate synthase, catabolic
MQA_01033-hypothetical protein
MQA_01034-hypothetical protein
MQA_01035-hypothetical protein
MQA_01036-hypothetical protein
MQA_01037-hypothetical protein
MQA_01038-hypothetical protein
MQA_01039-hypothetical protein
MQA_01041-50S ribosomal protein L13
MQA_01042-tRNA pseudouridine synthase A
MQA_01043-hypothetical protein
MQA_01040-30S ribosomal protein S9
MQA_01045-cobalt import ATP-binding protein CbiO 2
MQA_01044-cobalt import ATP-binding protein CbiO 1
VRS2 CONTIG: 7000000184423072
MQC_00270-hypothetical protein
MQC_00271-alpha-acetolactate decarboxylase
MQC_00272-acetolactate synthase, catabolic
MQC_00273-hypothetical protein
MQC_00274-hypothetical protein
MQC_00275-hypothetical protein
MQC_00276-hypothetical protein
MQC_00277-hypothetical protein
MQC_00278-hypothetical protein
MQC_00279-hypothetical protein
MQC_00281-50S ribosomal protein L13
MQC_00282-tRNA pseudouridine synthase A
MQC_00283-hypothetical protein
MQC_00280-30S ribosomal protein S9
MQC_00285-cobalt import ATP-binding protein CbiO 2
MQC_00284-cobalt import ATP-binding protein CbiO 1
VRS3a CONTIG: 7000000184423193
MQE_00639-hypothetical protein
MQE_00640-alpha-acetolactate decarboxylase
MQE_00641-acetolactate synthase, catabolic
MQE_00642-hypothetical protein
MQE_00643-hypothetical protein
MQE_00644-hypothetical protein
MQE_00645-hypothetical protein
MQE_00646-hypothetical protein
MQE_00647-hypothetical protein
MQE_00648-hypothetical protein
MQE_00650-50S ribosomal protein L13
MQE_00651-tRNA pseudouridine synthase A
MQE_00652-hypothetical protein
MQE_00649-30S ribosomal protein S9
MQE_00654-cobalt import ATP-binding protein CbiO 2
MQE_00653-cobalt import ATP-binding protein CbiO 1
VRS4 CONTIG: 7000000184423205
MQG_01543-hypothetical protein
MQG_01544-alpha-acetolactate decarboxylase
MQG_01545-acetolactate synthase, catabolic
MQG_01546-hypothetical protein
MQG_01547-hypothetical protein
MQG_01548-hypothetical protein
MQG_01549-hypothetical protein
MQG_01550-hypothetical protein
MQG_01551-hypothetical protein
MQG_01552-hypothetical protein
MQG_01554-50S ribosomal protein L13
MQG_01555-tRNA pseudouridine synthase A
MQG_01556-hypothetical protein
MQG_01553-30S ribosomal protein S9
MQG_01558-cobalt import ATP-binding protein CbiO 2
MQG_01557-cobalt import ATP-binding protein CbiO 1
VRS5 CONTIG: 7000000179151478
MQI_00039-cell surface protein map-w
MQI_00040-budA1- alpha-acetolactate decarboxylase
MQI_00041-budB- acetolactate synthase I/II/III large subunit
MQI_00042-hypothetical protein
MQI_00043-hypothetical protein
MQI_00044-hypothetical protein
MQI_00045-hypothetical protein
MQI_00046-hypothetical protein
MQI_00047-hypothetical protein
MQI_00048-hypothetical protein
MQI_00050-50S ribosomal protein L13
MQI_00051-truA- tRNA pseudouridine synthase A
MQI_00052-cobalt transporter cobalt/nickel transport system
MQI_00049-30S ribosomal protein S9
MQI_00054-cobalt import ATP-binding protein CbiO 2 cobalt/nickel transport system
MQI_00053-cobalt import ATP-binding protein cbiO 1
VRS6 CONTIG: 7000000179151616
MQK_01468-cell surface protein map-w
MQK_01469-budA1- alpha-acetolactate decarboxylase
MQK_01470-budB- acetolactate synthase I/II/III large subunit
MQK_01471-hypothetical protein
MQK_01472-hypothetical protein
MQK_01473-hypothetical protein
MQK_01474-hypothetical protein
MQK_01475-hypothetical protein
MQK_01476-hypothetical protein
MQK_01477-hypothetical protein
MQK_01479-50S ribosomal protein L13
MQK_01480-truA- tRNA pseudouridine synthase A
MQK_01481-cobalt transporter cobalt/nickel transport system
MQK_01478-30S ribosomal protein S9
MQK_01483-cobalt import ATP-binding protein CbiO 2 cobalt/nickel transport system
MQK_01482-cobalt import ATP-binding protein cbiO 1
VRS7 CONTIG: 7000000184450959
MQM_00039-hypothetical protein
MQM_00040-alpha-acetolactate decarboxylase
MQM_00041-acetolactate synthase, catabolic
MQM_00042-hypothetical protein
MQM_00043-hypothetical protein
MQM_00044-hypothetical protein
MQM_00045-hypothetical protein
MQM_00046-hypothetical protein
MQM_00047-hypothetical protein
MQM_00048-hypothetical protein
MQM_00050-50S ribosomal protein L13
MQM_00051-tRNA pseudouridine synthase A
MQM_00052-hypothetical protein
MQM_00049-30S ribosomal protein S9
MQM_00054-cobalt import ATP-binding protein CbiO 2
MQM_00053-cobalt import ATP-binding protein CbiO 1
VRS8 CONTIG: 7000000179151631
MQO_00937-cell surface protein map-w
MQO_00938-budA1- alpha-acetolactate decarboxylase
MQO_00939-budB- acetolactate synthase I/II/III large subunit
MQO_00940-hypothetical protein
MQO_00941-hypothetical protein
MQO_00942-hypothetical protein
MQO_00943-hypothetical protein
MQO_00944-hypothetical protein
MQO_00945-hypothetical protein
MQO_00946-hypothetical protein
MQO_00947-hypothetical protein
MQO_00949-50S ribosomal protein L13
MQO_00950-truA- tRNA pseudouridine synthase A
MQO_00951-cobalt transporter cobalt/nickel transport system
MQO_00948-30S ribosomal protein S9
MQO_00953-cobalt import ATP-binding protein CbiO 2 cobalt/nickel transport system
MQO_00952-cobalt import ATP-binding protein cbiO 1
VRS9 CONTIG: 7000000179151822
MQQ_00039-cell surface protein map-w
MQQ_00040-budA1- alpha-acetolactate decarboxylase
MQQ_00041-budB- acetolactate synthase I/II/III large subunit
MQQ_00042-hypothetical protein
MQQ_00043-hypothetical protein
MQQ_00044-hypothetical protein
MQQ_00045-hypothetical protein
MQQ_00046-hypothetical protein
MQQ_00047-hypothetical protein
MQQ_00048-hypothetical protein
MQQ_00049-hypothetical protein
MQQ_00051-50S ribosomal protein L13
MQQ_00052-truA- tRNA pseudouridine synthase A
MQQ_00053-cobalt transporter cobalt/nickel transport system
MQQ_00050-30S ribosomal protein S9
MQQ_00055-cobalt import ATP-binding protein CbiO 2 cobalt/nickel transport system
MQQ_00054-cobalt import ATP-binding protein cbiO 1
VRS10 CONTIG: 7000000179151877
MQS_00802-cell surface protein map-w
MQS_00803-budA1- alpha-acetolactate decarboxylase
MQS_00804-budB- acetolactate synthase I/II/III large subunit
MQS_00805-hypothetical protein
MQS_00806-hypothetical protein
MQS_00807-hypothetical protein
MQS_00808-hypothetical protein
MQS_00809-hypothetical protein
MQS_00810-hypothetical protein
MQS_00811-hypothetical protein
MQS_00813-50S ribosomal protein L13
MQS_00814-truA- tRNA pseudouridine synthase A
MQS_00815-cobalt transporter cobalt/nickel transport system
MQS_00812-30S ribosomal protein S9
MQS_00817-cobalt import ATP-binding protein CbiO 2 cobalt/nickel transport system
MQS_00816-cobalt import ATP-binding protein cbiO 1
VRS11a CONTIG: 7000000179151970
MQU_00867-cell surface protein map-w
MQU_00868-budA1- alpha-acetolactate decarboxylase
MQU_00869-budB- acetolactate synthase I/II/III large subunit
MQU_00870-hypothetical protein
MQU_00871-hypothetical protein
MQU_00872-hypothetical protein
MQU_00873-hypothetical protein
MQU_00874-hypothetical protein
MQU_00875-hypothetical protein
MQU_00876-hypothetical protein
MQU_00878-50S ribosomal protein L13
MQU_00879-truA- tRNA pseudouridine synthase A
MQU_00880-cobalt transporter cobalt/nickel transport system
MQU_00877-30S ribosomal protein S9
MQU_00882-cobalt import ATP-binding protein CbiO 2 cobalt/nickel transport system
MQU_00881-cobalt import ATP-binding protein cbiO 1
VRS11b CONTIG: 7000000179152030
MQW_01149-cell surface protein map-w
MQW_01150-budA1- alpha-acetolactate decarboxylase
MQW_01151-budB- acetolactate synthase I/II/III large subunit
MQW_01152-hypothetical protein
MQW_01153-hypothetical protein
MQW_01154-hypothetical protein
MQW_01155-hypothetical protein
MQW_01156-hypothetical protein
MQW_01157-hypothetical protein
MQW_01158-hypothetical protein
MQW_01160-50S ribosomal protein L13
MQW_01161-truA- tRNA pseudouridine synthase A
MQW_01162-cobalt transporter cobalt/nickel transport system protein
MQW_01159-30S ribosomal protein S9
MQW_01164-cobalt import ATP-binding protein CbiO 2 cobalt/nickel transport system protein
MQW_01163-cobalt import ATP-binding protein cbiO 1
JH1 CONTIG: 7000000097160218
SaurJH1_2274-MAP domain-containing protein
SaurJH1_2275-acetolactate decarboxylase
SaurJH1_2276-acetolactate synthase
SaurJH1_2277-RNA-directed DNA polymerase (Reverse transcriptase)
SaurJH1_2278-hypothetical protein
SaurJH1_2279-hypothetical protein
SaurJH1_2283-hypothetical protein
SaurJH1_2284-hypothetical protein
SaurJH1_2285-30S ribosomal protein S9
SaurJH1_2286-50S ribosomal protein L13
SaurJH1_2287-tRNA pseudouridine synthase A
SaurJH1_2288-cobalt transport protein
SaurJH1_2290-cobalt transporter ATP-binding subunit
SaurJH1_2289-cobalt transporter ATP-binding subunit
JH9 CONTIG: 7000000097160219
SaurJH9_2235-MAP domain-containing protein
SaurJH9_2236-acetolactate decarboxylase
SaurJH9_2237-acetolactate synthase
SaurJH9_2238-RNA-directed DNA polymerase (Reverse transcriptase)
SaurJH9_2239-hypothetical protein
SaurJH9_2240-hypothetical protein
SaurJH9_2242-hypothetical protein
SaurJH9_2243-hypothetical protein
SaurJH9_2244-30S ribosomal protein S9
SaurJH9_2245-50S ribosomal protein L13
SaurJH9_2246-tRNA pseudouridine synthase A
SaurJH9_2247-cobalt transport protein
SaurJH9_2249-cobalt transporter ATP-binding subunit
SaurJH9_2248-cobalt transporter ATP-binding subunit
Mu3 CONTIG: 7000000097160228
SAHV_2189-hypothetical protein
SAHV_2190-hypothetical protein
SAHV_2191-acetolactate synthase
SAHV_2192-hypothetical protein
SAHV_2193-hypothetical protein
SAHV_2194-hypothetical protein
SAHV_2195-hypothetical protein
SAHV_2196-hypothetical protein
SAHV_2197-hypothetical protein
SAHV_2198-hypothetical protein
SAHV_2199-hypothetical protein
SAHV_2200-hypothetical protein
SAHV_2201-30S ribosomal protein S9
SAHV_2202-50S ribosomal protein L13
SAHV_2203-tRNA pseudouridine synthase A
SAHV_2204-hypothetical protein
SAHV_2206-cobalt transporter ATP-binding subunit
SAHV_2205-cobalt transporter ATP-binding subunit
Mu50 CONTIG: 7000000097160229
SAV2205-hypothetical protein
SAV2206-alpha-acetolactate decarboxylase
SAV2207-acetolactate synthase
SAV2208-hypothetical protein
SAV2209-hypothetical protein
SAV2210-hypothetical protein
SAV2211-hypothetical protein
SAV2212-hypothetical protein
SAV2213-hypothetical protein
SAV2214-hypothetical protein
SAV2215-hypothetical protein
SAV2216-hypothetical protein
SAV2217-30S ribosomal protein S9
SAV2218-50S ribosomal protein L13
SAV2219-tRNA pseudouridine synthase A
SAV2220-cobalt ABC transporter permease
SAV2222-cobalt transporter ATP-binding subunit
SAV2221-cobalt transporter ATP-binding subunit
N315 CONTIG: 7000000097160230
SA2006-hypothetical protein
SA2007-hypothetical protein
SA2008-acetolactate synthase
SA2009-hypothetical protein
SA2010-hypothetical protein
SA2011-hypothetical protein
SA2012-hypothetical protein
SA2013-hypothetical protein
SA076-hypothetical protein
SA077-hypothetical protein
SA2014-hypothetical protein
SA2015-hypothetical protein
SA2016-30S ribosomal protein S9
SA2017-50S ribosomal protein L13
SA2018-tRNA pseudouridine synthase A
SA2019-hypothetical protein
SA2021-cobalt transporter ATP-binding subunit
SA2020-cobalt transporter ATP-binding subunit
ED98 CONTIG: 7000000172114144
SAAV_2266-surface protein, putative
SAAV_2267-alpha-acetolactate decarboxylase
SAAV_2268-acetolactate synthase
SAAV_2269-conserved hypothetical protein
SAAV_2270-conserved hypothetical protein
SAAV_2271-conserved hypothetical protein
SAAV_2272-putative ATP-binding protein
SAAV_2273-putative ATP-binding protein
SAAV_2274-hypothetical protein
SAAV_2275-putative transposase
SAAV_2276-conserved hypothetical protein
SAAV_2277-conserved hypothetical protein
SAAV_2278-ribosomal protein S9
SAAV_2279-50S ribosomal protein L13
SAAV_2281-tRNA pseudouridine synthase A
SAAV_2282-cobalt transport family protein
SAAV_2283-cobalt transporter ATP-binding subunit
SAAV_2284-cobalt import ATP-binding protein CbiO 2
MSSA476 CONTIG: 7000000097160224
SAS2104-hypothetical protein
SAS2105-hypothetical protein
SAS2106-acetolactate synthase
SAS2107-hypothetical protein
SAS2107a-hypothetical protein
SAS2108-30S ribosomal protein S9
SAS2107b-hypothetical protein
SAS2109-50S ribosomal protein L13
SAS2110-tRNA pseudouridine synthase A
SAS2111-putative cobalt transport protein
SAS2112-cobalt transporter ATP-binding subunit
SAS2113-cobalt transporter ATP-binding subunit
MW2 CONTIG: 7000000097160225
MW2130-hypothetical protein
MW2131-hypothetical protein
MW2132-acetolactate synthase
MW2133-hypothetical protein
MW2134-hypothetical protein
MW2136-30S ribosomal protein S9
MW2135-hypothetical protein
MW2137-50S ribosomal protein L13
MW2138-tRNA pseudouridine synthase A
MW2139-hypothetical protein
MW2140-cobalt transporter ATP-binding subunit
MW2141-cobalt transporter ATP-binding subunit
COL CONTIG: 7000000097160217
SACOL2197-surface protein, putative
SACOL2198-alpha-acetolactate decarboxylase
SACOL2199-acetolactate synthase
SACOL2200-hypothetical protein
SACOL2201-hypothetical protein
SACOL2202-hypothetical protein
SACOL2203-CipA-related protein
SACOL2204-hypothetical protein
SACOL2206-30S ribosomal protein S9
SACOL2207-50S ribosomal protein L13
SACOL2208-tRNA pseudouridine synthase A
SACOL2209-cobalt transport family protein
SACOL2211-cobalt transporter ATP-binding subunit
SACOL2210-cobalt transporter ATP-binding subunit
Newman CONTIG: 7000000097160235
NWMN_2109-truncated MHC class II analog protein
NWMN_2110-alpha-acetolactate decarboxylase
NWMN_2111-acetolactate synthase
NWMN_2112-hypothetical protein
NWMN_2113-hypothetical protein
NWMN_2114-hypothetical protein
NWMN_2115-hypothetical protein
NWMN_2116-hypothetical protein
NWMN_2117-hypothetical protein
NWMN_2118-hypothetical protein
NWMN_2119-30S ribosomal protein S9
NWMN_2120-50S ribosomal protein L13
NWMN_2121-tRNA pseudouridine synthase A
NWMN_2122-hypothetical protein
NWMN_2124-cobalt transporter ATP-binding subunit
NWMN_2123-cobalt transporter ATP-binding subunit
NCTC_8325 CONTIG: 7000000097160231
SAOUHSC_02466-truncated MHC class II analog protein
SAOUHSC_02467-alpha-acetolactate decarboxylase
SAOUHSC_02468-acetolactate synthase
SAOUHSC_02470-hypothetical protein
SAOUHSC_02471-hypothetical protein
SAOUHSC_02469-hypothetical protein
SAOUHSC_02472-hypothetical protein
SAOUHSC_02473-hypothetical protein
SAOUHSC_02474-hypothetical protein
SAOUHSC_02475-hypothetical protein
SAOUHSC_02476-hypothetical protein
SAOUHSC_02477-30S ribosomal protein S9
SAOUHSC_02478-50S ribosomal protein L13
SAOUHSC_02350-hypothetical protein
SAOUHSC_02480-tRNA pseudouridine synthase A
SAOUHSC_02481-cobalt transport protein, putative
SAOUHSC_02483-cobalt transporter ATP-binding subunit
SAOUHSC_02482-cobalt transporter ATP-binding subunit
USA300_TCH1516 CONTIG: 7000000178138011
USA300HOU_2200-hypothetical protein
USA300HOU_2201-acetolactate decarboxylase
USA300HOU_2202-acetolactate synthase
USA300HOU_2203-hypothetical protein
USA300HOU_2204-hypothetical protein
USA300HOU_2205-514 family endopeptidase CipA
USA300HOU_2206-hypothetical protein
USA300HOU_2207-hypothetical protein
USA300HOU_2208-ribosomal protein S9
USA300HOU_2209-ribosomal protein L13
USA300HOU_2210-pseudouridylate synthase
USA300HOU_2211-cobalt (Co2+) ABC superfamily ATP binding cassette transporter, membrane protein
USA300HOU_2212-cobalt (Co2+) ABC superfamily ATP binding cassette transporter, ABC protein
USA300HOU_2213-ABC superfamily ATP binding cassette transporter, ABC protein
USA300_FPR3757 CONTIG: 7000000178138014
SAUSA300_2164-conserved hypothetical protein
SAUSA300_2165-alpha-acetolactate decarboxylase
SAUSA300_2166-alpha-acetolactate synthase
SAUSA300_2167-conserved hypothetical protein
SAUSA300_2168-conserved hypothetical protein
SAUSA300_2169-conserved hypothetical protein
SAUSA300_2171-30S ribosomal protein S9
SAUSA300_2172-50S ribosomal protein L13
SAUSA300_2173-tRNA pseudouridine synthase A
SAUSA300_2174-cobalt transport family protein
SAUSA300_2176-ABC transporter, ATP-binding protein
SAUSA300_2175-ABC transporter, ATP-binding protein
TW20_0582 CONTIG: 7000000178222069
SATW20_23430-putative exported protein
SATW20_23440-conserved hypothetical protein
SATW20_23450-putative acetolactate synthase
SATW20_23460-hypothetical protein
SATW20_23470-conserved hypothetical protein
SATW20_23480-conserved hypothetical protein
SATW20_23490-putative helicase (fragment)
SATW20_23510-30S ribosomal protein S9
SATW20_23520-50S ribosomal protein L13
SATW20_23530-putative tRNA pseudouridine synthase
SATW20_23540-putative cobalt transport protein
SATW20_23550-ABC transporter ATP-binding protein
SATW20_23560-ABC transporter ATP-binding protein
EMRSA15 CONTIG: 7000000178222072
SAEMRSA15_21120
SAEMRSA15_21130
SAEMRSA15_21140
SAEMRSA15_21150
SAEMRSA15_21160
SAEMRSA15_21170
SAEMRSA15_21180
SAEMRSA15_21190
SAEMRSA15_21200
SAEMRSA15_21210
ST398_SO385 CONTIG: 7000000178213650
SAPIG2266-MAP domain protein
SAPIG2267-alpha-acetolactate decarboxylase
SAPIG2268-acetolactate synthase, catabolic
SAPIG2269-transposase
SAPIG2270-hypothetical protein
SAPIG2271-ribosomal protein L13
SAPIG2272-tRNA pseudouridine synthase A
SAPIG2273-cobalt transport family protein
SAPIG2274-cobalt import ATP-binding protein CbiO 1
SAPIG2275-cobalt import ATP-binding protein CbiO 2
MRSA252 CONTIG: 7000000097160223
SAR2295-hypothetical protein
SAR2296-hypothetical protein
SAR2297-acetolactate synthase
SAR2297a-hypothetical protein
SAR2297b-hypothetical protein
SAR2299-hypothetical protein
SAR2300-30S ribosomal protein S9
SAR2301-50S ribosomal protein L13
SAR2302-tRNA pseudouridine synthase A
SAR2303-putative cobalt transport protein
SAR2304-cobalt transporter ATP-binding subunit
SAR2305-cobalt transporter ATP-binding subunit
LGA251 CONTIG: 7000000178222074
SARLGA251_19990
SARLGA251_20010
SARLGA251_20000
SARLGA251_20020
SARLGA251_20030
SARLGA251_20040
SARLGA251_20050
SARLGA251_20060
SARLGA251_20070
SARLGA251_20080
RF122 CONTIG: 7000000097160216
SAB2085-hypothetical protein
SAB2086c-alpha-acetolactate decarboxylase
SAB2087c-acetolactate synthase
SAB2088-hypothetical protein
SAB2089c-hypothetical protein
SAB2091c-50S ribosomal protein L13
SAB2092c-tRNA pseudouridine synthase A
SAB2093c-cobalt ABC transporter permease
SAB2094c-cobalt transporter ATP-binding subunit
SAB2095c-cobalt transporter ATP-binding subunit
SAB2090c-30S ribosomal protein S9
A


VRS1 CONTIG: 7000000184422903
MQA_01352-hypothetical protein
MQA_01353-hypothetical protein
MQA_01354-hypothetical protein
MQA_01355-hypothetical protein
VRS2 CONTIG: 7000000184423012
MQC_01152-hypothetical protein
MQC_01153-hypothetical protein
MQC_01154-hypothetical protein
MQC_01155-hypothetical protein
VRS3a CONTIG: 7000000184423175
MQE_01842-hypothetical protein
MQE_01843-hypothetical protein
MQE_01844-hypothetical protein
MQE_01845-hypothetical protein
VRS4 CONTIG: 7000000184423202
MQG_00504-hypothetical protein
MQG_00505-hypothetical protein
MQG_00506-hypothetical protein
MQG_00507-hypothetical protein
VRS5 CONTIG: 7000000179151442
MQI_00966-hypothetical protein
MQI_00967-alkaline phosphatase like protein
MQI_00968-ABC transporter like ABC-2 type transport system
MQI_00969-membrane spanning protein antibiotic transport system
VRS6 CONTIG: 7000000179151545
MQK_01393-hypothetical protein
MQK_01394-alkaline phosphatase like protein
MQK_01395-ABC transporter like ABC-2 type transport system
MQK_01396-membrane spanning protein antibiotic transport system
VRS7 CONTIG: 7000000184450953
MQM_01589-hypothetical protein
MQM_01590-hypothetical protein
MQM_01591-hypothetical protein
MQM_01592-hypothetical protein
VRS8 CONTIG: 7000000179151703
MQO_00421-hypothetical protein
MQO_00422-alkaline phosphatase like protein
MQO_00423-ABC transporter like ABC-2 type transport system
MQO_00424-membrane spanning protein antibiotic transport system
VRS9 CONTIG: 7000000179151822
MQQ_00336-hypothetical protein
MQQ_00337-alkaline phosphatase like protein
MQQ_00338-ABC transporter like ABC-2 type transport system
MQQ_00339-membrane spanning protein antibiotic transport system
VRS10 CONTIG: 7000000179151904
MQS_01647-hypothetical protein
MQS_01648-alkaline phosphatase like protein
MQS_01649-ABC transporter like ABC-2 type transport system
MQS_01650-membrane spanning protein antibiotic transport system
VRS11a CONTIG: 7000000179151961
MQU_00142-hypothetical protein
MQU_00143-alkaline phosphatase like protein
MQU_00144-ABC transporter like ABC-2 type transport system
MQU_00145-membrane spanning protein antibiotic transport system
VRS11b CONTIG: 7000000179152037
MQW_00692-hypothetical protein
MQW_00693-alkaline phosphatase like protein
MQW_00694-ABC transporter like ABC-2 type transport system protein
MQW_00695-membrane spanning protein antibiotic transport system protein
JH1 CONTIG: 7000000097160218
SaurJH1_2587-major facilitator transporter
SaurJH1_2588-SNARE associated Golgi protein
SaurJH1_2589-ABC transporter related
SaurJH1_2590-membrane spanning protein, putative
JH9 CONTIG: 7000000097160219
SaurJH9_2535-major facilitator transporter
SaurJH9_2536-SNARE associated Golgi protein
SaurJH9_2537-ABC transporter related
SaurJH9_2538-hypothetical protein
Mu3 CONTIG: 7000000097160226
SAHV_2496-hypothetical protein
SAHV_2497-hypothetical protein
SAHV_2498-hypothetical protein
SAHV_2499-hypothetical protein
Mu50 CONTIG: 7000000097160229
SAV2512-glucarate transporter
SAV2513-alkaline phosphatase
SAV2514-transport protein
SAV2515-transmembrane protein smpB
N315 CONTIG: 7000000097160230
SA2300-hypothetical protein
SA2301-hypothetical protein
SA2302-hypothetical protein
SA2303-hypothetical protein
ED98 CONTIG: 7000000172114144
SAAV_2577-transporter, putative
SAAV_2578-DedA family protein
SAAV_2579-ABC transporter, ATP-binding protein
SAAV_2580-putative membrane spanning protein
MSSA476 CONTIG: 7000000097160224
SAS2397-putative transporter protein
SAS2398-DedA family protein
SAS2399-ABC transporter ATP-binding protein
SAS2400-hypothetical protein
MW2 CONTIG: 7000000097160225
MW2431-hypothetical protein
MW2432-hypothetical protein
MW2433-hypothetical protein
MW2434-hypothetical protein
COL CONTIG: 7000000097160217
SACOL2521-transporter, putative
SACOL2522-DedA family protein
SACOL2523-drug transporter, putative
SACOL2524-MarR family transcriptional regulator
SACOL2525-ABC transporter, ATP-binding protein
Newman CONTIG: 7000000097160235
NWMN_2408-hypothetical protein
NWMN_2409-DedA family protein
NWMN_2410-multidrug resistance transporter protein
NWMN_2411-transcriptional regulator MarR family protein
NWMN_2412-ABC transporter, ATP-binding protein
NWMN_2413-hypothetical protein
NCTC_8325 CONTIG: 7000000097160231
SAOUHSC_02815-hypothetical protein
SAOUHSC_02816-hypothetical protein
SAOUHSC_02817-hypothetical protein
SAOUHSC_02818-hypothetical protein
SAOUHSC_02819-hypothetical protein
SAOUHSC_02820-hypothetical protein
SAOUHSC_02821-membrane spanning protein, putative
USA300_TCH1516 CONTIG: 7000000178138011
USA300HOU_2499-MFS family major facilitator transporter, glucarate:cation symporter
USA300HOU_2500-alkaline phosphatase
USA300HOU_2501-MFS family major facilitator transporter
USA300HOU_2502-MarR family transcriptional regulator
USA300HOU_2503-ABC superfamily ATP binding cassette transporter, ABC protein
USA300HOU_2504-ABC superfamily ATP binding cassette transporter, membrane protein
USA300_FPR3757 CONTIG: 7000000178138014
SAUSA300_2449-putative transporter
SAUSA300_2450-DedA family protein
SAUSA300_2451-drug transporter
SAUSA300_2452-transcriptional regulator, MarR family
SAUSA300_2453-ABC transporter, ATP-binding protein
SAUSA300_2454-membrane spanning protein
TW20_0582 CONTIG: 7000000178222069
SATW20_26310-putative transporter protein
SATW20_26320-DedA family protein
SATW20_26330-Major Facilitator Superfamily protein
SATW20_26340-MarR family regulatory protein
SATW20_26350-ABC transporter ATP-binding protein
SATW20_26360-putative membrane protein
EMRSA15 CONTIG: 7000000178222072
SAEMRSA15_24080
SAEMRSA15_24090
SAEMRSA15_24100
SAEMRSA15_24110
SAEMRSA15_24120
SAEMRSA15_24130
ST398_S0385 CONTIG: 7000000178213650
SAPIG2562-major facilitator superfamily MFS_1
SAPIG2563-DedA family protein
SAPIG2564-multidrug-efflux transporter
SAPIG2565-transcriptional regulator, MarR family
SAPIG2566-ABC transporter, ATP-binding protein
SAPIG2567-potential membrane spanning protein
MRSA252 CONTIG: 7000000097160223
SAR2589-putative transporter protein
SAR2590-DedA family protein
SAR2591-putative LysE type translocator
SAR2592-putative fatty acid desaturase
SAR2593-putative transcriptional regulator
SAR2594-ABC transporter ATP-binding protein
SAR2595-hypothetical protein
LGA251 CONTIG: 7000000178222074
SARLGA251_22850
SARLGA251_22860
SARLGA251_22870
SARLGA251_22880
SARLGA251_22890
SARLGA251_22900
RF122 CONTIG: 7000000097160216
SAB2385c-transport protein
SAB2386-alkaline phosphatase
SAB2387-hypothetical protein
SAB2388-ABC transporter
SAB2389-membrane-spanning protein
B


VRS1 CONTIG: 700000018442961
MQA_00788-putative pyridoxine kinase
MQA_00789-uracil-DNA glycosylase
MQA_00790-hypothetical protein
MQA_00791-UPF0382 membrane protein
MQA_00792-hypothetical protein
MQA_00793-hypothetical protein
MQA_00794-hypothetical protein
MQA_00795-UPF0447 protein
MQA_00796-phosphate acetyltransferase
MQA_00797-hypothetical protein
MQA_00798-mevalonate kinase
MQA_00799-diphosphomevalonate decarboxylase
MQA_00800-phosphomevalonate kinase
MQA_00801-UPF0741 protein
MQA_00802-hypothetical protein
MQA_00803-hypothetical protein
MQA_00804-hypothetical protein
MQA_00805-hypothetical protein
VRS2 CONTIG: 700000018442089
MQC_01998-putative pyridoxine kinase
MQC_01999-uracil-DNA glycosylase
MQC_02000-hypothetical protein
MQC_02001-UPF0382 membrane protein
MQC_02002-hypothetical protein
MQC_02003-hypothetical protein
MQC_02004-hypothetical protein
MQC_02005-UPF0447 protein
MQC_02006-phosphate acetyltransferase
MQC_02007-hypothetical protein
MQC_02008-mevalonate kinase
MQC_02009-diphosphomevalonate decarboxylase
MQC_02010-phosphomevalonate kinase
MQC_02011-UPF0741 protein
MQC_02012-hypothetical protein
MQC_02013-hypothetical protein
MQC_02014-hypothetical protein
VRS3a CONTIG: 700000018442182
MQE_01677-putative pyridoxine kinase
MQE_01678-uracil-DNA glycosylase
MQE_01679-hypothetical protein
MQE_01680-UPF0382 membrane protein
MQE_01681-hypothetical protein
MQE_01682-hypothetical protein
MQE_01683-hypothetical protein
MQE_01684-UPF0447 protein
MQE_01685-phosphate acetyltransferase
MQE_01686-hypothetical protein
MQE_01687-mevalonate kinase
MQE_01688-diphosphomevalonate decarboxylase
MQE_01689-phosphomevalonate kinase
MQE_01690-UPF0741 protein
MQE_01691-hypothetical protein
MQE_01693-hypothetical protein
MQE_01692-hypothetical protein
VRS4 CONTIG: 700000018442326
MQG_01803-putative pyridoxine kinase
MQG_01804-uracil-DNA glycosylase
MQG_01805-hypothetical protein
MQG_01806-UPF0382 membrane protein
MQG_01807-hypothetical protein
MQG_01808-hypothetical protein
MQG_01809-hypothetical protein
MQG_01810-UPF0447 protein
MQG_01811-phosphate acetyltransferase
MQG_01812-hypothetical protein
MQG_01813-mevalonate kinase
MQG_01814-diphosphomevalonate decarboxylase
MQG_01815-phosphomevalonate kinase
MQG_01816-UPF0741 protein
MQG_01817-hypothetical protein
MQG_01819-hypothetical protein
MQG_01818-hypothetical protein
VRS5 CONTIG: 700000179151504
MQI_02154-phosphomethylpyrimidine kinase
MQI_02155-uracil-DNA glycosylase
MQI_02156-hypothetical protein
MQI_02157-hypothetical protein
MQI_02158-hypothetical protein
MQI_02159-hypothetical protein
MQI_02160-hypothetical protein
MQI_02161-hypothetical protein
MQI_02162-phosphate acetyltransferase
MQI_02163-hypothetical protein
MQI_02164-mvaK1- mevalonate kinase
MQI_02165-mvaD- mevalonate diphosphate decarboxylase
MQI_02166-mvaK2- phosphomevalonate kinase
MQI_02167-hypothetical protein
MQI_02168-mercury(II) reductase
MQI_02169-hypothetical protein
MQI_02170-hypothetical protein
VRS6 CONTIG: 700000179151621
MQK_01609-phosphomethylpyrimidine kinase
MQK_01610-uracil-DNA glycosylase
MQK_01611-hypothetical protein
MQK_01612-hypothetical protein
MQK_01613-hypothetical protein
MQK_01614-hypothetical protein
MQK_01615-hypothetical protein
MQK_01616-hypothetical protein
MQK_01617-phosphate acetyltransferase
MQK_01618-hypothetical protein
MQK_01619-mvaK1- mevalonate kinase
MQK_01620-mvaD- mevalonate diphosphate decarboxylase
MQK_01621-mvaK2- phosphomevalonate kinase
MQK_01622-hypothetical protein
MQK_01623-mercury(II) reductase
MQK_01624-hypothetical protein
MQK_01626-hypothetical protein
MQK_01625-hypothetical protein
VRS7 CONTIG: 700000184450938
MQM_01957-putative pyridoxine kinase
MQM_01958-uracil-DNA glycosylase
MQM_01959-hypothetical protein
MQM_01960-UPF0382 membrane protein
MQM_01961-hypothetical protein
MQM_01962-hypothetical protein
MQM_01963-hypothetical protein
MQM_01964-UPF0447 protein
MQM_01965-phosphate acetyltransferase
MQM_01966-hypothetical protein
MQM_01967-mevalonate kinase
MQM_01968-diphosphomevalonate decarboxylase
MQM_01969-phosphomevalonate kinase
MQM_01970-UPF0741 protein
MQM_01971-hypothetical protein
MQM_01973-hypothetical protein
MQM_01972-hypothetical protein
VRS8 CONTIG: 700000179151677
MQO_02056-phosphomethylpyrimidine kinase
MQO_02057-uracil-DNA glycosylase
MQO_02058-hypothetical protein
MQO_02059-hypothetical protein
MQO_02060-hypothetical protein
MQO_02061-hypothetical protein
MQO_02062-hypothetical protein
MQO_02063-hypothetical protein
MQO_02064-phosphate acetyltransferase
MQO_02065-hypothetical protein
MQO_02066-mvaK1- mevalonate kinase
MQO_02067-mvaD- mevalonate diphosphate decarboxylase
MQO_02068-mvaK2- phosphomevalonate kinase
MQO_02069-hypothetical protein
MQO_02070-mercury(II) reductase
MQO_02071-hypothetical protein
MQO_02072-hypothetical protein
VRS9 CONTIG: 700000179151840
MQQ_01862-phosphomethylpyrimidine kinase
MQQ_01863-uracil-DNA glycosylase
MQQ_01864-hypothetical protein
MQQ_01865-hypothetical protein
MQQ_01866-hypothetical protein
MQQ_01867-hypothetical protein
MQQ_01868-hypothetical protein
MQQ_01869-hypothetical protein
MQQ_01870-phosphate acetyltransferase
MQQ_01871-hypothetical protein
MQQ_01872-mvaK1- mevalonate kinase
MQQ_01873-mvaD- mevalonate diphosphate decarboxylase
MQQ_01874-mvaK2- phosphomevalonate kinase
MQQ_01875-hypothetical protein
MQQ_01876-mercury(II) reductase
MQQ_01877-hypothetical protein
MQQ_01878-hypothetical protein
VRS10 CONTIG: 700000179151932
MQS_02180-phosphomethylpyrimidine kinase
MQS_02181-uracil-DNA glycosylase
MQS_02182-hypothetical protein
MQS_02183-hypothetical protein
MQS_02184-hypothetical protein
MQS_02185-hypothetical protein
MQS_02186-hypothetical protein
MQS_02187-hypothetical protein
MQS_02188-phosphate acetyltransferase
MQS_02189-hypothetical protein
MQS_02190-mvaK1- mevalonate kinase
MQS_02191-mvaD- mevalonate diphosphate decarboxylase
MQS_02192-mvaK2- phosphomevalonate kinase
MQS_02193-hypothetical protein
MQS_02194-mercury(II) reductase
MQS_02195-hypothetical protein
MQS_02196-hypothetical protein
VRS11a CONTIG: 700000179151988
MQU_02033-phosphomethylpyrimidine kinase
MQU_02034-uracil-DNA glycosylase
MQU_02035-hypothetical protein
MQU_02036-hypothetical protein
MQU_02037-hypothetical protein
MQU_02038-hypothetical protein
MQU_02039-hypothetical protein
MQU_02040-hypothetical protein
MQU_02041-phosphate acetyltransferase
MQU_02042-hypothetical protein
MQU_02043-mvaK1- mevalonate kinase
MQU_02044-mvaD- mevalonate diphosphate decarboxylase
MQU_02045-mvaK2- phosphomevalonate kinase
MQU_02046-hypothetical protein
MQU_02047-mercury(II) reductase
MQU_02048-hypothetical protein
MQU_02049-hypothetical protein
VRS11b CONTIG: 700000179152029
MQW_02045-phosphomethylpyrimidine kinase
MQW_02046-uracil-DNA glycosylase
MQW_02047-hypothetical protein
MQW_02048-hypothetical protein
MQW_02049-hypothetical protein
MQW_02050-hypothetical protein
MQW_02051-hypothetical protein
MQW_02052-hypothetical protein
MQW_02053-phosphate acetyltransferase
MQW_02054-hypothetical protein
MQW_02055-mvaK1- mevalonate kinase
MQW_02056-mvaD- mevalonate diphosphate decarboxylase
MQW_02057-mvaK2- phosphomevalonate kinase
MQW_02058-hypothetical protein
MQW_02059-mercury(II) reductase
MQW_02060-hypothetical protein
MQW_02061-hypothetical protein
JH1 CONTIG: 700000097160218
SauriJH1_0617-phosphomethylpyrimidine kinase
SauriJH1_0618-uracil-DNA glycosylase
SauriJH1_0619-hypothetical protein
SauriJH1_0620-hypothetical protein
SauriJH1_0621-amino acid permease-associated region
SauriJH1_0622-hypothetical protein
SauriJH1_0623-hypothetical protein
SauriJH1_0624-hypothetical protein
SauriJH1_0625-putative heme peroxidase
SauriJH1_0626-phosphotransacetylase
SauriJH1_0627-lipoate-protein ligase A protein
SauriJH1_0628-mevalonate kinase
SauriJH1_0629-mevalonate diphosphate decarboxylase
SauriJH1_0630-phosphomevalonate kinase
SauriJH1_0631-hypothetical protein
SauriJH1_0632-FAD-dependent pyridine nucleotide-disulphide oxidoreductase
SauriJH1_0633-hypothetical protein
SauriJH1_0634-hypothetical protein
JH9 CONTIG: 700000097160219
SauriJH9_0603-phosphomethylpyrimidine kinase
SauriJH9_0604-uracil-DNA glycosylase
SauriJH9_0605-hypothetical protein
SauriJH9_0606-hypothetical protein
SauriJH9_0607-amino acid permease-associated region
SauriJH9_0608-hypothetical protein
SauriJH9_0609-hypothetical protein
SauriJH9_0610-putative heme peroxidase
SauriJH9_0611-phosphotransacetylase
SauriJH9_0612-lipoate-protein ligase A-like protein
SauriJH9_0613-mevalonate kinase
SauriJH9_0614-mevalonate diphosphate decarboxylase
SauriJH9_0615-phosphomevalonate kinase
SauriJH9_0616-hypothetical protein
SauriJH9_0617-FAD-dependent pyridine nucleotide-disulphide oxidoreductase
SauriJH9_0618-BadM/Rf12 family transcriptional regulator
SauriJH9_0619-hypothetical protein
Mu3 CONTIG: 700000097160228
SAHV_0578-phosphomethylpyrimidine kinase
SAHV_0579-uracil-DNA glycosylase
SAHV_0580-hypothetical protein
SAHV_0581-hypothetical protein
SAHV_0582-hypothetical protein
SAHV_0583-hypothetical protein
SAHV_0584-hypothetical protein
SAHV_0585-putative heme peroxidase
SAHV_0586-phosphotransacetylase
SAHV_0587-hypothetical protein
SAHV_0588-mevalonate kinase
SAHV_0589-mevalonate diphosphate decarboxylase
SAHV_0590-phosphomevalonate kinase
SAHV_0591-hypothetical protein
SAHV_0592-mercuric reductase homologue
SAHV_0593-hypothetical protein
SAHV_0594-hypothetical protein
Mu50 CONTIG: 700000097160229
SAV0580-phosphomethylpyrimidine kinase
SAV0581-uracil-DNA glycosylase
SAV0582-hypothetical protein
SAV0583-hypothetical protein
SAV0584-cationic amino acid transporter
SAV0585-hypothetical protein
SAV0586-hypothetical protein
SAV0587-putative heme peroxidase
SAV0588-phosphotransacetylase
SAV0589-putative lipoate-protein ligase A
SAV0590-mevalonate kinase
SAV0591-mevalonate diphosphate decarboxylase
SAV0592-phosphomevalonate kinase
SAV0593-hypothetical protein
SAV0594-mercuric reductase-like protein
SAV0596-hypothetical protein
SAV0595-hypothetical protein
N315 CONTIG: 700000097160230
SA0537-phosphomethylpyrimidine kinase
SA0538-uracil-DNA glycosylase
SA0539-hypothetical protein
SA0540-hypothetical protein
SA0541-hypothetical protein
SA0542-hypothetical protein
SA0543-hypothetical protein
SA0544-putative heme peroxidase
SA0545-phosphotransacetylase
SA0546-hypothetical protein
SA0547-mevalonate kinase
SA0548-mevalonate diphosphate decarboxylase
SA0549-phosphomevalonate kinase
SA0550-hypothetical protein
SA0551-hypothetical protein
SA0552-hypothetical protein
SA0553-hypothetical protein
ED98 CONTIG: 700000172114144
SAAV_0542-phosphomethylpyrimidine kinase
SAAV_0543-uracil-DNA glycosylase
SAAV_0544-hypothetical protein
SAAV_0545-hypothetical protein
SAAV_0546-amino acid permease
SAAV_0547-hypothetical protein
SAAV_0548-hypothetical protein
SAAV_0549-putative heme peroxidase
SAAV_0550-phosphotransacetylase
SAAV_0551-lipoate-protein ligase A family protein
SAAV_0552-mevalonate kinase
SAAV_0553-mevalonate diphosphate decarboxylase
SAAV_0554-phosphomevalonate kinase
SAAV_0555-hypothetical protein
SAAV_0556-hypothetical protein
SAAV_0557-hypothetical protein
SAAV_0558-hypothetical protein
SAAV_0559-hypothetical protein
MSSA476 CONTIG: 700000097160224
SAS0538-phosphomethylpyrimidine kinase
SAS0539-uracil-DNA glycosylase
SAS0540-hypothetical protein
SAS0541-hypothetical protein
SAS0542-putative amino acid permease
SAS0543-hypothetical protein
SAS0544-hypothetical protein
SAS0545-hypothetical protein
SAS0546-putative heme peroxidase
SAS0547-phosphotransacetylase
SAS0548-lipoate-protein ligase A protein
SAS0549-mevalonate kinase
SAS0550-mevalonate diphosphate decarboxylase
SAS0551-phosphomevalonate kinase
SAS0552-pyridine nucleotide-disulphide oxidoreductase protein
SAS0553-hypothetical protein
SAS0554-hypothetical protein
SAS0555-hypothetical protein
SAS0556-hypothetical protein
SAS0557-hypothetical protein
SAS0558-hypothetical protein
SAS0559-hypothetical protein
SAS0560-hypothetical protein
SAS0561-hypothetical protein
SAS0562-hypothetical protein
SAS0563-hypothetical protein
MW2 CONTIG: 700000097160225
MW0535-phosphomethylpyrimidine kinase
MW0536-uracil-DNA glycosylase
MW0537-hypothetical protein
MW0538-hypothetical protein
MW0539-hypothetical protein
MW0540-hypothetical protein
MW0541-hypothetical protein
MW0542-putative heme peroxidase
MW0543-phosphotransacetylase
MW0544-hypothetical protein
MW0545-mevalonate kinase
MW0546-mevalonate diphosphate decarboxylase
MW0547-phosphomevalonate kinase
MW0548-hypothetical protein
MW0549-hypothetical protein
MW0550-hypothetical protein
MW0551-hypothetical protein
MW0552-hypothetical protein
MW0553-hypothetical protein
MW0554-hypothetical protein
MW0555-hypothetical protein
MW0556-hypothetical protein
MW0557-hypothetical protein
MW0558-hypothetical protein
COL CONTIG: 700000097160217
SACOL0626-phosphomethylpyrimidine kinase
SACOL0627-uracil-DNA glycosylase
SACOL0628-hypothetical protein
SACOL0629-hypothetical protein
SACOL0630-amino acid permease
SACOL0631-hypothetical protein
SACOL0632-hypothetical protein
SACOL0633-putative heme peroxidase
SACOL0634-phosphotransacetylase
SACOL0635-lipoate-protein ligase A family protein
SACOL0636-mevalonate kinase
SACOL0637-mevalonate diphosphate decarboxylase
SACOL0638-phosphomevalonate kinase
SACOL0639-hypothetical protein
SACOL0640-pyridine nucleotide-disulfide oxidoreductase
SACOL0641-hypothetical protein
SACOL0642-hypothetical protein
SACOL0643-hypothetical protein
SACOL0644-hypothetical protein
SACOL0645-hypothetical protein
SACOL0646-hypothetical protein
SACOL0647-hypothetical protein
SACOL0648-hypothetical protein
SACOL0649-hypothetical protein
SACOL0650-hypothetical protein
Newman CONTIG: 700000097160235
NWMN_0543-phosphomethylpyrimidine kinase
NWMN_0544-uracil-DNA glycosylase
NWMN_0545-hypothetical protein
NWMN_0546-hypothetical protein
NWMN_0547-hypothetical protein
NWMN_0548-hypothetical protein
NWMN_0549-hypothetical protein
NWMN_0550-putative heme peroxidase
NWMN_0551-phosphotransacetylase
NWMN_0552-lipoate-protein ligase A protein
NWMN_0553-mevalonate kinase
NWMN_0554-mevalonate diphosphate decarboxylase
NWMN_0555-phosphomevalonate kinase
NWMN_0556-hypothetical protein
NWMN_0557-pyridine nucleotide-disulfide oxidoreductase
NWMN_0558-hypothetical protein
NWMN_0559-hypothetical protein
NWMN_0560-hypothetical protein
NWMN_0561-hypothetical protein
NWMN_0562-hypothetical protein
NWMN_0563-hypothetical protein
NWMN_0564-hypothetical protein
NWMN_0565-hypothetical protein
NWMN_0566-hypothetical protein
NCTC_8325 CONTIG: 700000097160231
SAOUHSC_00562-phosphomethylpyrimidine kinase
SAOUHSC_00564-uracil-DNA glycosylase
SAOUHSC_00565-hypothetical protein
SAOUHSC_00567-hypothetical protein
SAOUHSC_00569-hypothetical protein
SAOUHSC_00571-hypothetical protein
SAOUHSC_00573-putative heme peroxidase
SAOUHSC_00574-phosphotransacetylase
SAOUHSC_00575-hypothetical protein
SAOUHSC_00577-mevalonate kinase
SAOUHSC_00578-mevalonate diphosphate decarboxylase
SAOUHSC_00579-phosphomevalonate kinase
SAOUHSC_00580-hypothetical protein
SAOUHSC_00582-hypothetical protein
SAOUHSC_00583-hypothetical protein
SAOUHSC_00584-hypothetical protein
SAOUHSC_00585-hypothetical protein
SAOUHSC_00586-hypothetical protein
SAOUHSC_00587-hypothetical protein
SAOUHSC_00588-hypothetical protein
SAOUHSC_00589-hypothetical protein
SAOUHSC_00590-hypothetical protein
SAOUHSC_00591-hypothetical protein
SAOUHSC_00592-hypothetical protein
SAOUHSC_00593-hypothetical protein
SAOUHSC_00595-hypothetical protein
USA300_TCH1516 CONTIG: 700000178138011
USA300HOU_0573-phosphomethylpyrimidine kinase
USA300HOU_0574-uracil-DNA glycosylase
USA300HOU_0575-hypothetical protein
USA300HOU_0576-hypothetical membrane protein
USA300HOU_0577-APC family amino acid-polyamine-organocation transporter
USA300HOU_0578-hypothetical protein
USA300HOU_0579-hypothetical membrane protein
USA300HOU_0580-chlorite O(2)-lyase
USA300HOU_0581-phosphate acetyltransferase
USA300HOU_0582-lipoate--protein ligase A
USA300HOU_0583-mevalonate kinase
USA300HOU_0584-diphosphomevalonate decarboxylase
USA300HOU_0585-phosphomevalonate kinase
USA300HOU_0586-hypothetical protein
USA300HOU_0587-pyridine nucleotide-disulfide reductase
USA300HOU_0588-hypothetical protein
USA300HOU_0589-hypothetical protein
USA300HOU_0590-hypothetical protein
USA300HOU_0591-hypothetical protein
USA300HOU_0592-hypothetical protein
USA300HOU_0593-hypothetical protein
USA300HOU_0594-hypothetical protein
USA300HOU_0595-hypothetical protein
USA300HOU_0596-hypothetical protein
USA300HOU_0597-hypothetical protein
USA300HOU_0598-hypothetical protein
USA300HOU_0599-hypothetical protein
USA300HOU_0600-hypothetical protein
USA300_FPR3757 CONTIG: 700000178138014
SAUSA300_0562-phosphomethylpyrimidine kinase
SAUSA300_0563-uracil-DNA glycosylase
SAUSA300_0564-conserved hypothetical protein
SAUSA300_0565-conserved hypothetical protein
SAUSA300_0566-amino acid permease
SAUSA300_0567-conserved hypothetical protein
SAUSA300_0568-integral membrane protein
SAUSA300_0569-conserved hypothetical protein
SAUSA300_0570-phosphate acetyltransferase
SAUSA300_0571-lipoate-protein ligase A family protein
SAUSA300_0572-mevalonate kinase
SAUSA300_0573-conserved hypothetical protein
SAUSA300_0574-phosphomevalonate kinase
SAUSA300_0575-putative Pyridine nucleotide-disulphide oxidoreductase
SAUSA300_0577-putative transcriptional regulator
SAUSA300_0578-conserved hypothetical protein
SAUSA300_0579-diphosphomevalonate decarboxylase
SAUSA300_0580-conserved hypothetical protein
SAUSA300_0581-conserved hypothetical protein
SAUSA300_0582-conserved hypothetical protein
SAUSA300_0583-conserved hypothetical protein
SAUSA300_0584-conserved hypothetical protein
TW20_0582 CONTIG: 700000178222069
SATW20_06490-phosphomethylpyrimidine kinase
SATW20_06500-putative uracil-DNA glycosylase
SATW20_06510-hypothetical protein
SATW20_06520-putative membrane protein
SATW20_06530-putative amino acid permease
SATW20_06540-putative membrane protein
SATW20_06550-putative membrane protein
SATW20_06560-conserved hypothetical protein
SATW20_06570-putative phosphate acetyltransferase
SATW20_06580-lipoate-protein ligase A protein
SATW20_06590-mevalorate kinase
SATW20_06600-mevalonate diphosphate decarboxylase
SATW20_06610-phosphomevalonate kinase
SATW20_06620-hypothetical protein
SATW20_06630-pyridine nucleotide-disulphide oxidoreductase protein
SATW20_06640-putative DNA-binding protein
SATW20_06650-putative membrane protein
SATW20_06660-putative membrane protein
SATW20_06670-putative membrane protein
SATW20_06680-putative membrane protein
SATW20_06690-putative membrane protein
SATW20_06700-putative membrane protein
SATW20_06710-putative membrane protein
ST398_S0385 CONTIG: 700000178213650
SAPIG0654-phosphomethylpyrimidine kinase
SAPIG0655-uracil-DNA glycosylase
SAPIG0656-conserved hypothetical protein
SAPIG0657-membrane protein
SAPIG0658-amino acid permease
SAPIG0659-conserved hypothetical protein
SAPIG0660-conserved hypothetical protein
SAPIG0661-chlorite dismutase
SAPIG0662-phosphate acetyltransferase
SAPIG0663-lipoate-protein ligase A protein
SAPIG0664-mevalonate kinase
SAPIG0665-diphosphomevalonate decarboxylase
SAPIG0666-phosphomevalonate kinase
SAPIG0667-conserved hypothetical protein
SAPIG0668-probable pyridine nucleotide-disulfide oxidoreductase YkgC
SAPIG0669-probable DNA-binding protein
SAPIG0670-conserved hypothetical protein
SAPIG0671-staphylococcus aureus paralogous family
SAPIG0672-staphylococcus aureus paralogous family
SAPIG0673-staphylococcus aureus paralogous family
SAPIG0674-staphylococcus aureus paralogous family
SAPIG0675-conserved hypothetical protein
RF122 CONTIG: 700000097160216
SAB0530c-phosphomethylpyrimidine kinase
SAB0531-uracil-DNA glycosylase
SAB0532-hypothetical protein
SAB0533-hypothetical protein
SAB0534-amino acid transporter
SAB0535c-hypothetical protein
SAB0536c-hypothetical protein
SAB0537c-putative heme peroxidase
SAB0538-phosphotransacetylase
SAB0539-lipoate-protein ligase A protein
SAB0540-mevalonate kinase
SAB0541-mevalonate diphosphate decarboxylase
SAB0542-phosphomevalonate kinase
SAB0543-hypothetical protein
SAB0544c-mercury(II) reductase
SAB0545c-hypothetical protein
SAB0546-hypothetical protein
SAB0547-hypothetical protein
SAB0548-hypothetical protein
SAB0549-hypothetical protein
SAB0550-hypothetical protein

c

VR01 CONTIG: 7000000194422965
VR02 CONTIG: 7000000194423304
VR03a CONTIG: 7000000194423127
VR04 CONTIG: 7000000194423228
VR05 CONTIG: 7000000179161474
VR06 CONTIG: 7000000179161587
VR07 CONTIG: 7000000194455585
VR08 CONTIG: 7000000179161667
VR09 CONTIG: 7000000179161636
VR10 CONTIG: 7000000179161915
VR11a CONTIG: 7000000179153949
VR11b CONTIG: 7000000179152009
JR1 CONTIG: 7000000197160219
JR2 CONTIG: 7000000197160219
MUC CONTIG: 7000000197160226
MUB1 CONTIG: 7000000197160229
NT15 CONTIG: 7000000197160230
D38 CONTIG: 7000000172314144
MS5447B CONTIG: 7000000197160224
MR2 CONTIG: 7000000197160225
COL CONTIG: 7000000197160217
Newman CONTIG: 7000000197160229
NCTC_8325 CONTIG: 7000000197160231
UA159 CONTIG: 7000000197160232
UA200_TCH1516 CONTIG: 7000000179138014
UA200_FP8207 CONTIG: 7000000179138014
T1_8325 CONTIG: 7000000197160233
MMRA15 CONTIG: 7000000178220372
T2_8325 CONTIG: 7000000197160233
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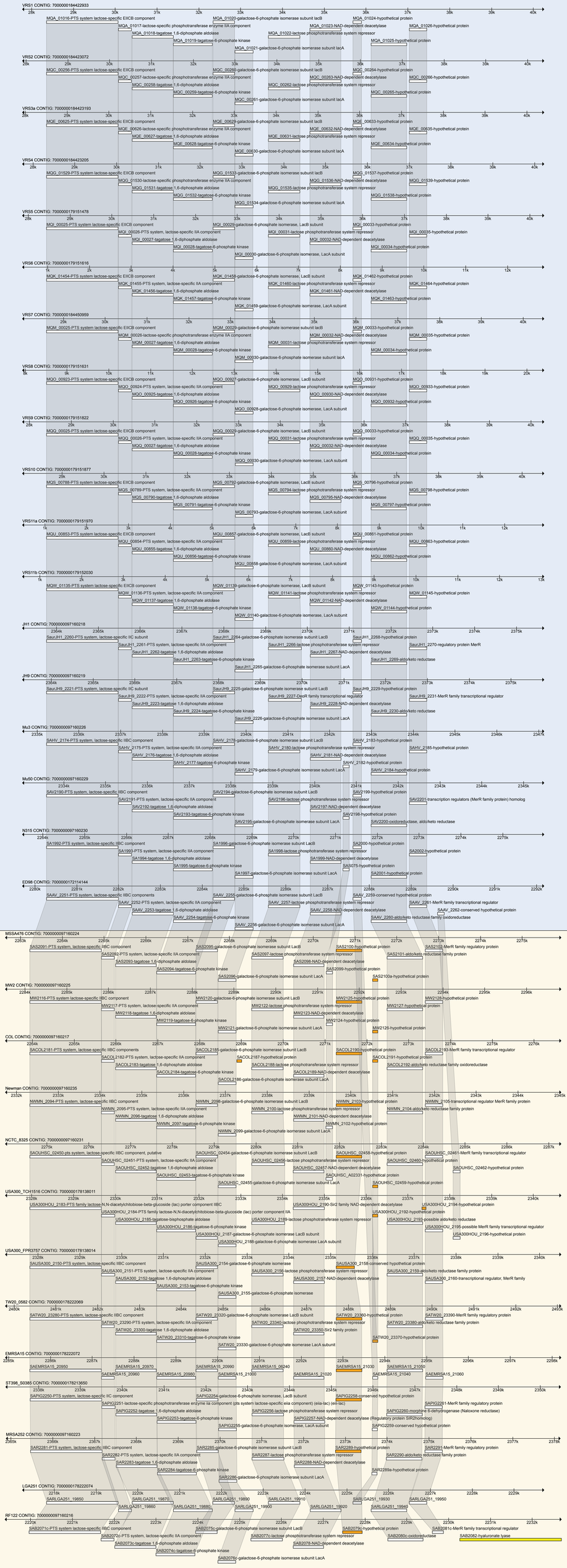
RF122 CONTIG: 7000000197160219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MQA_01020-galactose-6-phosphate isomerase subunit lacB
MQA_01024-hypothetical protein
MQA_01017-lactose-specific phosphotransferase enzyme IIA component
MQA_01023-NAD-dependent deacetylase
MQA_01026-hypothetical protein
MQA_01018-tagatose 1,6-diphosphate aldolase
MQA_01022-lactose phosphotransferase system repressor
MQA_01019-tagatose-6-phosphate kinase
MQA_01025-hypothetical protein
MQA_01021-galactose-6-phosphate isomerase subunit lacA
VRS2 CONTIG: 7000000184423072
MQC_00256-PTS system lactose-specific EIICB component
MQC_00260-galactose-6-phosphate isomerase subunit lacB
MQC_00264-hypothetical protein
MQC_00257-lactose-specific phosphotransferase enzyme IIA component
MQC_00263-NAD-dependent deacetylase
MQC_00266-hypothetical protein
MQC_00258-tagatose 1,6-diphosphate aldolase
MQC_00262-lactose phosphotransferase system repressor
MQC_00259-tagatose-6-phosphate kinase
MQC_00265-hypothetical protein
MQC_00261-galactose-6-phosphate isomerase subunit lacA
VRS3a CONTIG: 7000000184423193
MQE_00625-PTS system lactose-specific EIICB component
MQE_00629-galactose-6-phosphate isomerase subunit lacB
MQE_00633-hypothetical protein
MQE_00626-lactose-specific phosphotransferase enzyme IIA component
MQE_00632-NAD-dependent deacetylase
MQE_00635-hypothetical protein
MQE_00627-tagatose 1,6-diphosphate aldolase
MQE_00631-lactose phosphotransferase system repressor
MQE_00628-tagatose-6-phosphate kinase
MQE_00634-hypothetical protein
MQE_00630-galactose-6-phosphate isomerase subunit lacA
VRS4 CONTIG: 7000000184423205
MQG_01529-PTS system lactose-specific EIICB component
MQG_01533-galactose-6-phosphate isomerase subunit lacB
MQG_01537-hypothetical protein
MQG_01530-lactose-specific phosphotransferase enzyme IIA component
MQG_01536-NAD-dependent deacetylase
MQG_01539-hypothetical protein
MQG_01531-tagatose 1,6-diphosphate aldolase
MQG_01535-lactose phosphotransferase system repressor
MQG_01532-tagatose-6-phosphate kinase
MQG_01538-hypothetical protein
MQG_01534-galactose-6-phosphate isomerase subunit lacA
VRS5 CONTIG: 7000000179151478
MQI_00025-PTS system lactose-specific EIICB component
MQI_00029-galactose-6-phosphate isomerase, LacB subunit
MQI_00033-hypothetical protein
MQI_00026-PTS system, lactose-specific IIA component
MQI_00031-lactose phosphotransferase system repressor
MQI_00035-hypothetical protein
MQI_00027-tagatose 1,6-diphosphate aldolase
MQI_00032-NAD-dependent deacetylase
MQI_00028-tagatose-6-phosphate kinase
MQI_00034-hypothetical protein
MQI_00030-galactose-6-phosphate isomerase, LacA subunit
VRS6 CONTIG: 7000000179151616
MQK_01454-PTS system lactose-specific EIICB component
MQK_01458-galactose-6-phosphate isomerase, LacB subunit
MQK_01462-hypothetical protein
MQK_01455-PTS system, lactose-specific IIA component
MQK_01460-lactose phosphotransferase system repressor
MQK_01464-hypothetical protein
MQK_01456-tagatose 1,6-diphosphate aldolase
MQK_01461-NAD-dependent deacetylase
MQK_01457-tagatose-6-phosphate kinase
MQK_01463-hypothetical protein
MQK_01459-galactose-6-phosphate isomerase, LacA subunit
VRS7 CONTIG: 7000000184450959
MQM_00025-PTS system lactose-specific EIICB component
MQM_00029-galactose-6-phosphate isomerase subunit lacB
MQM_00033-hypothetical protein
MQM_00026-lactose-specific phosphotransferase enzyme IIA component
MQM_00032-NAD-dependent deacetylase
MQM_00035-hypothetical protein
MQM_00027-tagatose 1,6-diphosphate aldolase
MQM_00031-lactose phosphotransferase system repressor
MQM_00028-tagatose-6-phosphate kinase
MQM_00034-hypothetical protein
MQM_00030-galactose-6-phosphate isomerase subunit lacA
VRS8 CONTIG: 7000000179151631
MQO_00923-PTS system lactose-specific EIICB component
MQO_00927-galactose-6-phosphate isomerase, LacB subunit
MQO_00931-hypothetical protein
MQO_00924-PTS system, lactose-specific IIA component
MQO_00929-lactose phosphotransferase system repressor
MQO_00933-hypothetical protein
MQO_00925-tagatose 1,6-diphosphate aldolase
MQO_00930-NAD-dependent deacetylase
MQO_00926-tagatose-6-phosphate kinase
MQO_00932-hypothetical protein
MQO_00928-galactose-6-phosphate isomerase, LacA subunit
VRS9 CONTIG: 7000000179151822
MQQ_00025-PTS system lactose-specific EIICB component
MQQ_00029-galactose-6-phosphate isomerase, LacB subunit
MQQ_00033-hypothetical protein
MQQ_00026-PTS system, lactose-specific IIA component
MQQ_00031-lactose phosphotransferase system repressor
MQQ_00035-hypothetical protein
MQQ_00027-tagatose 1,6-diphosphate aldolase
MQQ_00032-NAD-dependent deacetylase
MQQ_00028-tagatose-6-phosphate kinase
MQQ_00034-hypothetical protein
MQQ_00030-galactose-6-phosphate isomerase, LacA subunit
VRS10 CONTIG: 7000000179151877
MQS_00788-PTS system lactose-specific EIICB component
MQS_00792-galactose-6-phosphate isomerase, LacB subunit
MQS_00796-hypothetical protein
MQS_00789-PTS system, lactose-specific IIA component
MQS_00794-lactose phosphotransferase system repressor
MQS_00798-hypothetical protein
MQS_00790-tagatose 1,6-diphosphate aldolase
MQS_00795-NAD-dependent deacetylase
MQS_00791-tagatose-6-phosphate kinase
MQS_00797-hypothetical protein
MQS_00793-galactose-6-phosphate isomerase, LacA subunit
VRS11a CONTIG: 7000000179151970
MQU_00853-PTS system lactose-specific EIICB component
MQU_00857-galactose-6-phosphate isomerase, LacB subunit
MQU_00861-hypothetical protein
MQU_00854-PTS system, lactose-specific IIA component
MQU_00859-lactose phosphotransferase system repressor
MQU_00863-hypothetical protein
MQU_00855-tagatose 1,6-diphosphate aldolase
MQU_00860-NAD-dependent deacetylase
MQU_00856-tagatose-6-phosphate kinase
MQU_00862-hypothetical protein
MQU_00858-galactose-6-phosphate isomerase, LacA subunit
VRS11b CONTIG: 7000000179152030
MQW_01135-PTS system lactose-specific EIICB component
MQW_01139-galactose-6-phosphate isomerase, LacB subunit
MQW_01143-hypothetical protein
MQW_01136-PTS system, lactose-specific IIA component
MQW_01141-lactose phosphotransferase system repressor
MQW_01145-hypothetical protein
MQW_01137-tagatose 1,6-diphosphate aldolase
MQW_01142-NAD-dependent deacetylase
MQW_01138-tagatose-6-phosphate kinase
MQW_01144-hypothetical protein
MQW_01140-galactose-6-phosphate isomerase, LacA subunit
JH1 CONTIG: 7000000097160218
SaurJH1_2260-PTS system, lactose-specific IIC subunit
SaurJH1_2264-galactose-6-phosphate isomerase subunit LacB
SaurJH1_2268-hypothetical protein
SaurJH1_2261-PTS system, lactose-specific IIA component
SaurJH1_2266-lactose phosphotransferase system repressor
SaurJH1_2270-regulatory protein MerR
SaurJH1_2262-tagatose 1,6-diphosphate aldolase
SaurJH1_2267-NAD-dependent deacetylase
SaurJH1_2263-tagatose-6-phosphate kinase
SaurJH1_2269-aldo/keto reductase
SaurJH1_2265-galactose-6-phosphate isomerase subunit LacA
JH9 CONTIG: 7000000097160219
SaurJH9_2221-PTS system, lactose-specific IIC subunit
SaurJH9_2225-galactose-6-phosphate isomerase subunit LacB
SaurJH9_2229-hypothetical protein
SaurJH9_2222-PTS system, lactose-specific IIA component
SaurJH9_2227-DeoR family transcriptional regulator
SaurJH9_2231-MerR family transcriptional regulator
SaurJH9_2223-tagatose 1,6-diphosphate aldolase
SaurJH9_2228-NAD-dependent deacetylase
SaurJH9_2224-tagatose-6-phosphate kinase
SaurJH9_2230-aldo/keto reductase
SaurJH9_2226-galactose-6-phosphate isomerase subunit LacA
MuJ CONTIG: 7000000097160226
SAHV_2174-PTS system, lactose-specific IIBC component
SAHV_2178-galactose-6-phosphate isomerase subunit LacB
SAHV_2183-hypothetical protein
SAHV_2175-PTS system, lactose-specific IIA component
SAHV_2180-lactose phosphotransferase system repressor
SAHV_2185-hypothetical protein
SAHV_2176-tagatose 1,6-diphosphate aldolase
SAHV_2181-NAD-dependent deacetylase
SAHV_2177-tagatose-6-phosphate kinase
SAHV_2182-hypothetical protein
SAHV_2179-galactose-6-phosphate isomerase subunit LacA
SAHV_2184-hypothetical protein
MuS0 CONTIG: 7000000097160229
SAV2190-PTS system, lactose-specific IIBC component
SAV2194-galactose-6-phosphate isomerase subunit LacB
SAV2199-hypothetical protein
SAV2191-PTS system, lactose-specific IIA component
SAV2196-lactose phosphotransferase system repressor
SAV2201-transcription regulators (MerR family protein) homolog
SAV2192-tagatose 1,6-diphosphate aldolase
SAV2197-NAD-dependent deacetylase
SAV2193-tagatose-6-phosphate kinase
SAV2198-hypothetical protein
SAV2195-galactose-6-phosphate isomerase subunit LacA
SAV2200-oxidoreductase, aldo/keto reductase
NS15 CONTIG: 7000000097160230
SA1992-PTS system, lactose-specific IIBC component
SA1996-galactose-6-phosphate isomerase subunit LacB
SA2000-hypothetical protein
SA1993-PTS system, lactose-specific IIA component
SA1998-lactose phosphotransferase system repressor
SA2002-hypothetical protein
SA1994-tagatose 1,6-diphosphate aldolase
SA1999-NAD-dependent deacetylase
SA1995-tagatose-6-phosphate kinase
SA075-hypothetical protein
SA1997-galactose-6-phosphate isomerase subunit LacA
SA2001-hypothetical protein
ED98 CONTIG: 7000000172114144
SAAV_2251-PTS system, lactose-specific IIBC components
SAAV_2255-galactose-6-phosphate isomerase subunit LacB
SAAV_2259-conserved hypothetical protein
SAAV_2252-PTS system, lactose-specific IIA component
SAAV_2257-lactose phosphotransferase system repressor
SAAV_2261-MerR family transcriptional regulator
SAAV_2253-tagatose 1,6-diphosphate aldolase
SAAV_2258-NAD-dependent deacetylase
SAAV_2262-conserved hypothetical protein
SAAV_2254-tagatose-6-phosphate kinase
SAAV_2260-aldo/keto reductase family oxidoreductase
SAAV_2256-galactose-6-phosphate isomerase subunit LacA
MSSA476 CONTIG: 7000000097160224
SAS2091-PTS system, lactose-specific IIBC component
SAS2095-galactose-6-phosphate isomerase subunit LacB
SAS2100-hypothetical protein
SAS2102-MerR family regulatory protein
SAS2092-PTS system, lactose-specific IIA component
SAS2097-lactose phosphotransferase system repressor
SAS2101-aldo/keto reductase family protein
SAS2093-tagatose 1,6-diphosphate aldolase
SAS2098-NAD-dependent deacetylase
SAS2094-tagatose-6-phosphate kinase
SAS2099-hypothetical protein
SAS2096-galactose-6-phosphate isomerase subunit LacA
SAS2100a-hypothetical protein
MW2 CONTIG: 7000000097160225
MW2116-PTS system lactose-specific IIBC component
MW2120-galactose-6-phosphate isomerase subunit LacB
MW2125-hypothetical protein
MW2128-hypothetical protein
MW2117-PTS system, lactose-specific IIA component
MW2122-lactose phosphotransferase system repressor
MW2127-hypothetical protein
MW2118-tagatose 1,6-diphosphate aldolase
MW2123-NAD-dependent deacetylase
MW2119-tagatose-6-phosphate kinase
MW2124-hypothetical protein
MW2121-galactose-6-phosphate isomerase subunit LacA
MW2126-hypothetical protein
COL CONTIG: 7000000097160217
SACOL2181-PTS system, lactose-specific IIBC components
SACOL2185-galactose-6-phosphate isomerase subunit LacB
SACOL2190-hypothetical protein
SACOL2193-MerR family transcriptional regulator
SACOL2182-PTS system, lactose-specific IIA component
SACOL2187-hypothetical protein
SACOL2191-hypothetical protein
SACOL2183-tagatose 1,6-diphosphate aldolase
SACOL2188-lactose phosphotransferase system repressor
SACOL2192-aldo/keto reductase family oxidoreductase
SACOL2184-tagatose-6-phosphate kinase
SACOL2189-NAD-dependent deacetylase
SACOL2186-galactose-6-phosphate isomerase subunit LacA
Newman CONTIG: 7000000097160235
NWMN_2094-PTS system, lactose-specific IIBC component
NWMN_2098-galactose-6-phosphate isomerase subunit LacB
NWMN_2103-hypothetical protein
NWMN_2105-transcriptional regulator MerR family protein
NWMN_2095-PTS system, lactose-specific IIA component
NWMN_2100-lactose phosphotransferase system repressor
NWMN_2104-aldo/keto reductase family protein
NWMN_2096-tagatose 1,6-diphosphate aldolase
NWMN_2101-NAD-dependent deacetylase
NWMN_2097-tagatose-6-phosphate kinase
NWMN_2102-hypothetical protein
NWMN_2099-galactose-6-phosphate isomerase subunit LacA
NCTC_8325 CONTIG: 7000000097160231
SAOUHSC_02450-pts system, lactose-specific IIBC component, putative
SAOUHSC_02454-galactose-6-phosphate isomerase subunit LacB
SAOUHSC_02458-hypothetical protein
SAOUHSC_02461-MerR family transcriptional regulator
SAOUHSC_02451-PTS system, lactose-specific IIA component
SAOUHSC_02456-lactose phosphotransferase system repressor
SAOUHSC_02460-hypothetical protein
SAOUHSC_02452-tagatose 1,6-diphosphate aldolase
SAOUHSC_02457-NAD-dependent deacetylase
SAOUHSC_02462-hypothetical protein
SAOUHSC_02453-tagatose-6-phosphate kinase
SAOUHSC_A02331-hypothetical protein
SAOUHSC_02455-galactose-6-phosphate isomerase subunit LacA
SAOUHSC_02459-hypothetical protein
USA300_TCH1516 CONTIG: 7000000178138011
USA300HOU_2183-PTS family lactose-N,N-diacetylchitobiose-beta-glucoside (lac) porter component IIBC
USA300HOU_2190-Sir2 family NAD-dependent deacetylase
USA300HOU_2194-hypothetical protein
USA300HOU_2184-PTS family lactose-N,N-diacetylchitobiose-beta-glucoside (lac) porter component IIA
USA300HOU_2192-hypothetical protein
USA300HOU_2185-tagatose-bisphosphate aldolase
USA300HOU_2189-lactose phosphotransferase system repressor
USA300HOU_2193-possible aldo/keto reductase
USA300HOU_2186-tagatose-6-phosphate kinase
USA300HOU_2195-possible MerR family transcriptional regulator
USA300HOU_2187-galactose-6-phosphate isomerase LacB subunit
USA300HOU_2196-hypothetical protein
USA300HOU_2188-galactose-6-phosphate isomerase LacA subunit
USA300_FPR3757 CONTIG: 7000000178138014
SAUSA300_2150-PTS system, lactose-specific IIBC component
SAUSA300_2154-galactose-6-phosphate isomerase
SAUSA300_2158-conserved hypothetical protein
SAUSA300_2151-PTS system, lactose-specific IIA component
SAUSA300_2156-lactose phosphotransferase system repressor
SAUSA300_2159-aldo/keto reductase family protein
SAUSA300_2152-tagatose 1,6-diphosphate aldolase
SAUSA300_2157-NAD-dependent deacetylase
SAUSA300_2160-transcriptional regulator, MerR family
SAUSA300_2153-tagatose-6-phosphate kinase
SAUSA300_2155-galactose-6-phosphate isomerase
TW20_0582 CONTIG: 7000000178222069
SATW20_23280-PTS system, lactose-specific IIBC component
SATW20_23320-galactose-6-phosphate isomerase LacB subunit
SATW20_23360-hypothetical protein
SATW20_23390-MerR family regulatory protein
SATW20_23290-PTS system, lactose-specific IIA component
SATW20_23340-lactose phosphotransferase system repressor
SATW20_23380-aldo/keto reductase family protein
SATW20_23300-tagatose 1,6-diphosphate aldolase
SATW20_23350-Sir2 family protein
SATW20_23310-tagatose-6-phosphate kinase
SATW20_23370-hypothetical protein
SATW20_23330-galactose-6-phosphate isomerase LacA subunit
EMRSA15 CONTIG: 7000000178222072
SAEMRSA15_20950
SAEMRSA15_20970
SAEMRSA15_20990
SAEMRSA15_00240
SAEMRSA15_21030
SAEMRSA15_21050
SAEMRSA15_20960
SAEMRSA15_20980
SAEMRSA15_21000
SAEMRSA15_21020
SAEMRSA15_21040
SAEMRSA15_21060
ST398_S0385 CONTIG: 7000000178213650
SAPIG2250-PTS system, lactose-specific IIC component
SAPIG2254-galactose-6-phosphate isomerase, LacB subunit
SAPIG2258-conserved hypothetical protein
SAPIG2251-lactose-specific phosphotransferase enzyme iia component (pts system lactose-specific eiia component) (eiia-lac) (eii-lac)
SAPIG2281-MerR family regulatory protein
SAPIG2252-tagatose 1,6-diphosphate aldolase
SAPIG2256-lactose phosphotransferase system repressor
SAPIG2260-morphine 6-dehydrogenase (Naloxone reductase)
SAPIG2253-tagatose-6-phosphate kinase
SAPIG2257-NAD-dependent deacetylase (Regulatory protein SIR2homolog)
SAPIG2255-galactose-6-phosphate isomerase, LacA subunit
SAPIG2259-conserved hypothetical protein
MRSA252 CONTIG: 7000000097160223
SAR2281-PTS system, lactose-specific IIBC component
SAR2285-galactose-6-phosphate isomerase subunit LacB
SAR2289-hypothetical protein
SAR2291-MerR family regulatory protein
SAR2282-PTS system, lactose-specific IIA component
SAR2287-lactose phosphotransferase system repressor
SAR2290-aldo/keto reductase family protein
SAR2283-tagatose 1,6-diphosphate aldolase
SAR2288-NAD-dependent deacetylase
SAR2284-tagatose-6-phosphate kinase
SAR2289a-hypothetical protein
SAR2286-galactose-6-phosphate isomerase subunit LacA
LGA251 CONTIG: 7000000178222074
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SARLGA251_19870
SARLGA251_19890
SARLGA251_19910
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SARLGA251_19860
SARLGA251_19880
SARLGA251_19900
SARLGA251_19920
SARLGA251_19940
RF122 CONTIG: 7000000097160216
SAB2071c-PTS system lactose-specific IIBC component
SAB2075c-galactose-6-phosphate isomerase subunit LacB
SAB2079c-hypothetical protein
SAB2081c-MerR family transcriptional regulator
SAB2072c-PTS system, lactose-specific IIA component
SAB2077c-lactose phosphotransferase system repressor
SAB2080c-oxidoreductase
SAB2082-hyaluronate lyase
SAB2073c-tagatose 1,6-diphosphate aldolase
SAB2078-NAD-dependent deacetylase
SAB2074c-tagatose-6-phosphate kinase
SAB2076c-galactose-6-phosphate isomerase subunit LacA

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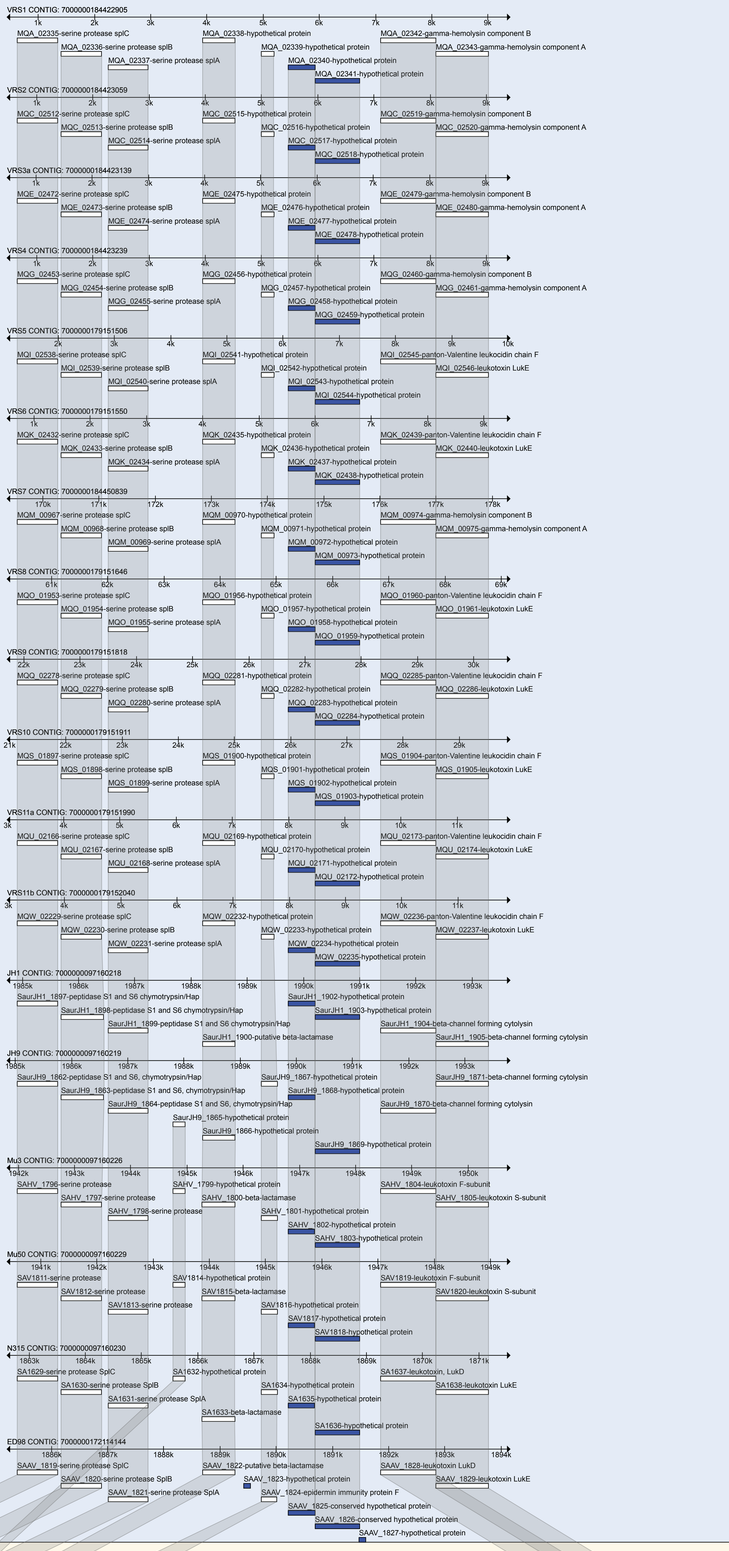
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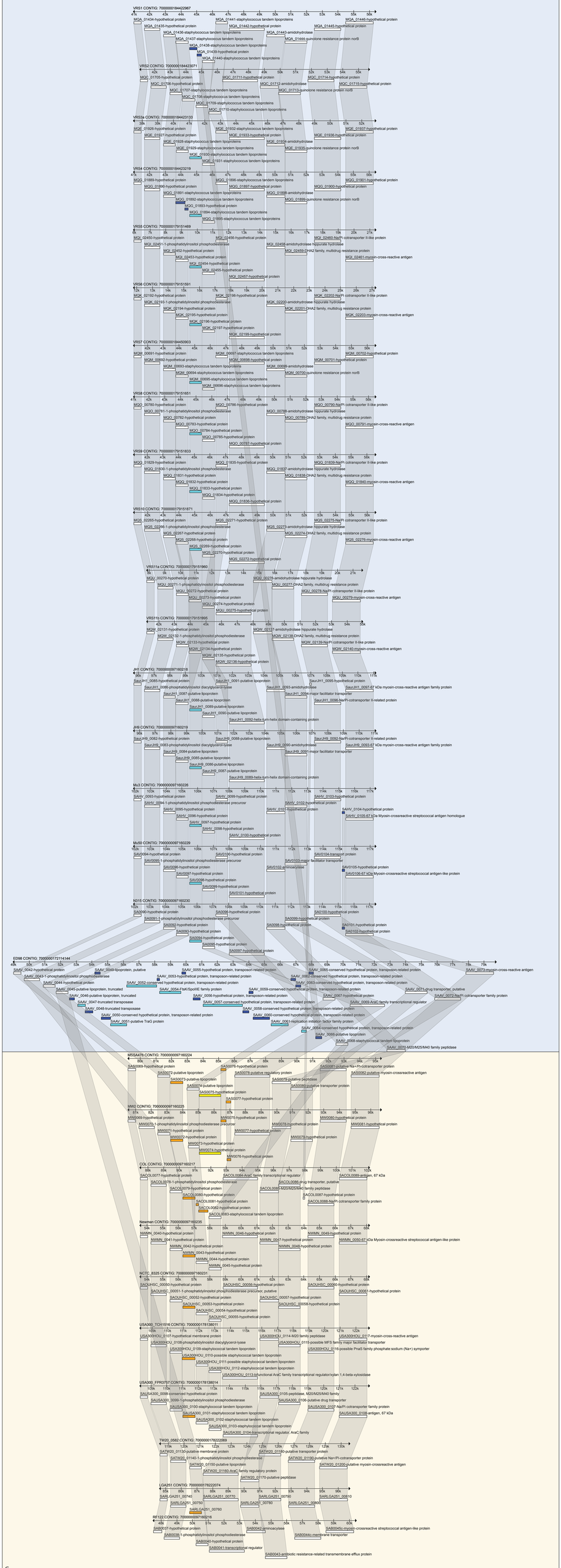
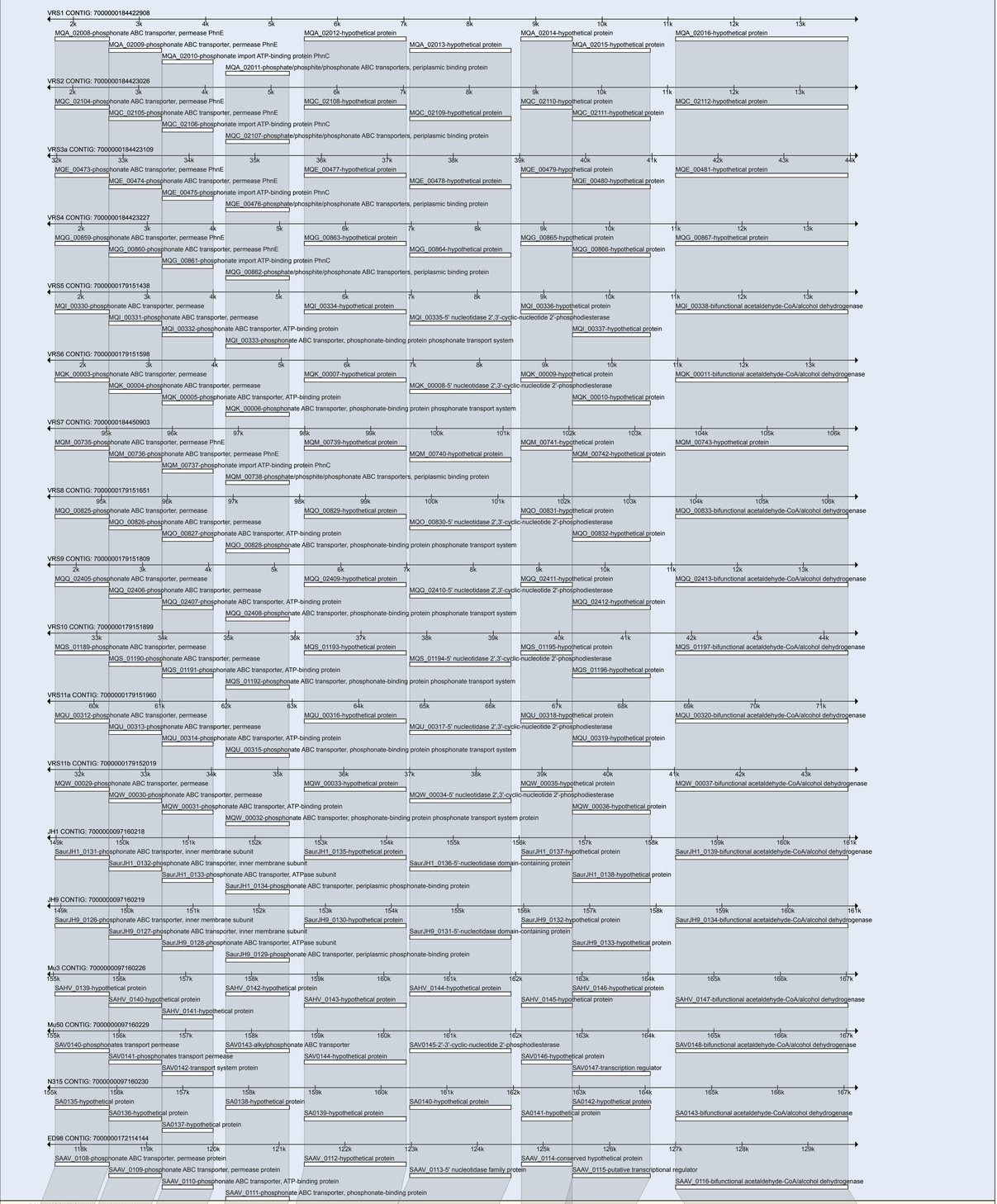
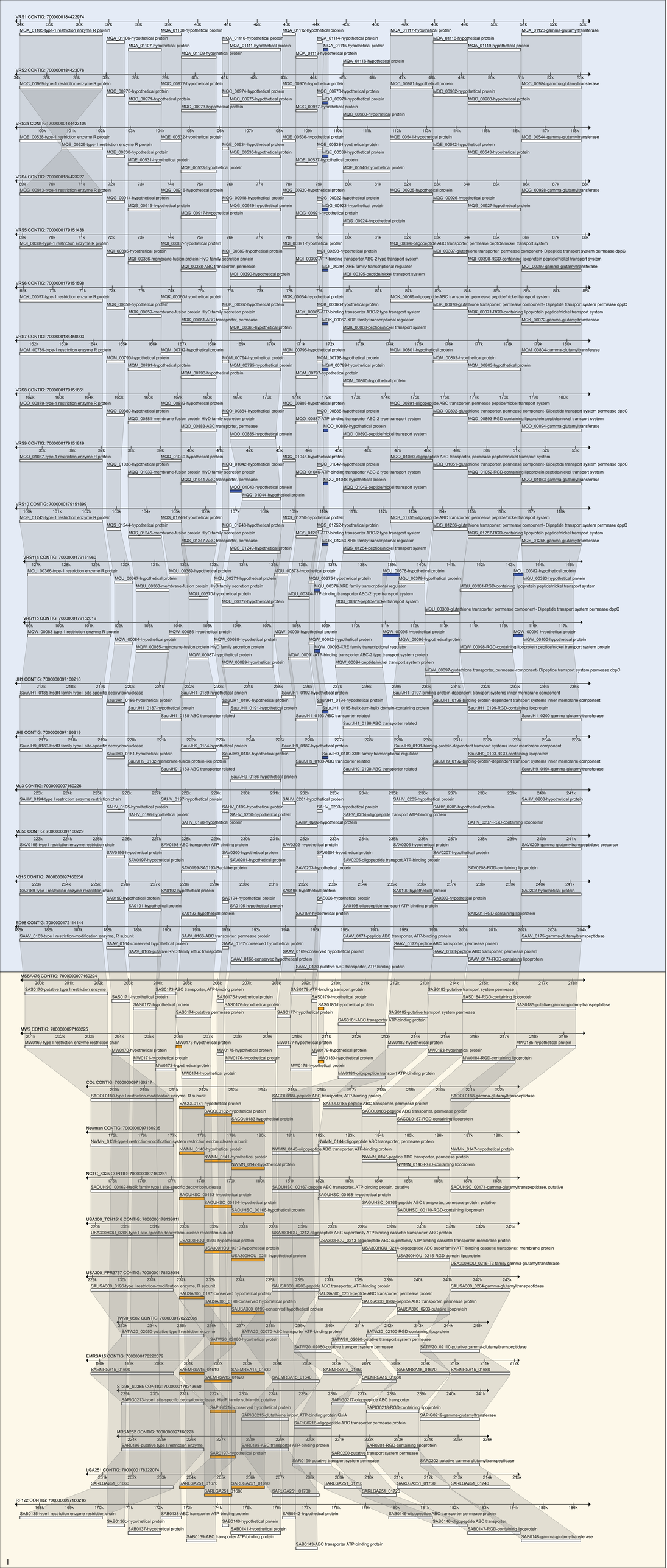
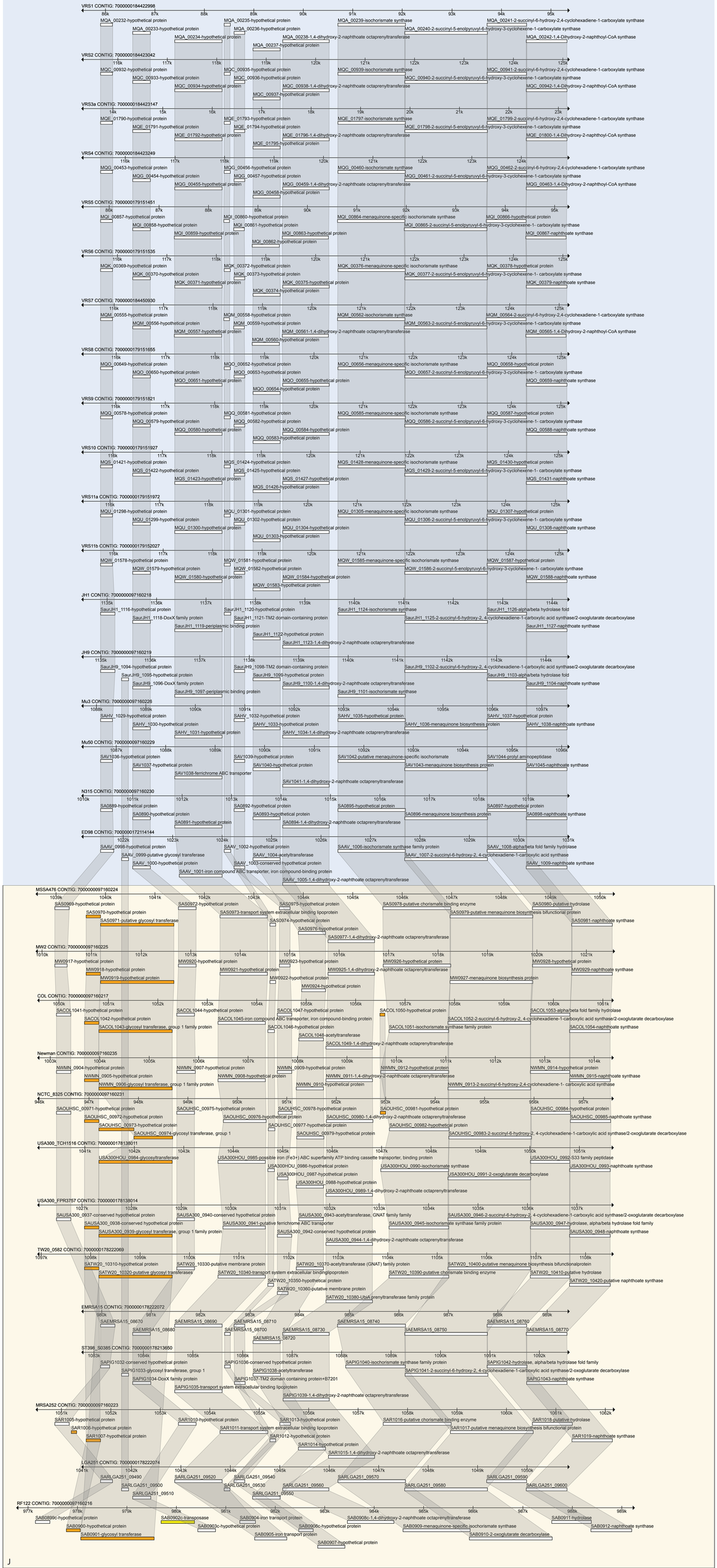
MQA_02336-serine protease splB
MQA_02337-serine protease splA
MQA_02338-hypothetical protein
MQA_02339-hypothetical protein
MQA_02340-hypothetical protein
MQA_02341-hypothetical protein
MQA_02342-gamma-hemolysin component B
MQA_02343-gamma-hemolysin component A
VRS2 CONTIG: 7000000184423059
MQC_02512-serine protease splC
MQC_02513-serine protease splB
MQC_02514-serine protease splA
MQC_02515-hypothetical protein
MQC_02516-hypothetical protein
MQC_02517-hypothetical protein
MQC_02518-hypothetical protein
MQC_02519-gamma-hemolysin component B
MQC_02520-gamma-hemolysin component A
VRS3a CONTIG: 7000000184423139
MQE_02472-serine protease splC
MQE_02473-serine protease splB
MQE_02474-serine protease splA
MQE_02475-hypothetical protein
MQE_02476-hypothetical protein
MQE_02477-hypothetical protein
MQE_02478-hypothetical protein
MQE_02479-gamma-hemolysin component B
MQE_02480-gamma-hemolysin component A
VRS4 CONTIG: 7000000184423239
MQG_02453-serine protease splC
MQG_02454-serine protease splB
MQG_02455-serine protease splA
MQG_02456-hypothetical protein
MQG_02457-hypothetical protein
MQG_02458-hypothetical protein
MQG_02459-hypothetical protein
MQG_02460-gamma-hemolysin component B
MQG_02461-gamma-hemolysin component A
VRS5 CONTIG: 7000000179151506
MQI_02538-serine protease splC
MQI_02539-serine protease splB
MQI_02540-serine protease splA
MQI_02541-hypothetical protein
MQI_02542-hypothetical protein
MQI_02543-hypothetical protein
MQI_02544-hypothetical protein
MQI_02545-panton-Valentine leukocidin chain F
MQI_02546-leukotoxin LukE
VRS6 CONTIG: 7000000179151550
MQK_02432-serine protease splC
MQK_02433-serine protease splB
MQK_02434-serine protease splA
MQK_02435-hypothetical protein
MQK_02436-hypothetical protein
MQK_02437-hypothetical protein
MQK_02438-hypothetical protein
MQK_02439-panton-Valentine leukocidin chain F
MQK_02440-leukotoxin LukE
VRS7 CONTIG: 7000000184450839
MQM_00967-serine protease splC
MQM_00968-serine protease splB
MQM_00969-serine protease splA
MQM_00970-hypothetical protein
MQM_00971-hypothetical protein
MQM_00972-hypothetical protein
MQM_00973-hypothetical protein
MQM_00974-gamma-hemolysin component B
MQM_00975-gamma-hemolysin component A
VRS8 CONTIG: 7000000179151646
MQO_01953-serine protease splC
MQO_01954-serine protease splB
MQO_01955-serine protease splA
MQO_01956-hypothetical protein
MQO_01957-hypothetical protein
MQO_01958-hypothetical protein
MQO_01959-hypothetical protein
MQO_01960-panton-Valentine leukocidin chain F
MQO_01961-leukotoxin LukE
VRS9 CONTIG: 7000000179151818
MQQ_02278-serine protease splC
MQQ_02279-serine protease splB
MQQ_02280-serine protease splA
MQQ_02281-hypothetical protein
MQQ_02282-hypothetical protein
MQQ_02283-hypothetical protein
MQQ_02284-hypothetical protein
MQQ_02285-panton-Valentine leukocidin chain F
MQQ_02286-leukotoxin LukE
VRS10 CONTIG: 7000000179151911
MQS_01897-serine protease splC
MQS_01898-serine protease splB
MQS_01899-serine protease splA
MQS_01900-hypothetical protein
MQS_01901-hypothetical protein
MQS_01902-hypothetical protein
MQS_01903-hypothetical protein
MQS_01904-panton-Valentine leukocidin chain F
MQS_01905-leukotoxin LukE
VRS11a CONTIG: 7000000179151990
MQU_02166-serine protease splC
MQU_02167-serine protease splB
MQU_02168-serine protease splA
MQU_02169-hypothetical protein
MQU_02170-hypothetical protein
MQU_02171-hypothetical protein
MQU_02172-hypothetical protein
MQU_02173-panton-Valentine leukocidin chain F
MQU_02174-leukotoxin LukE
VRS11b CONTIG: 7000000179152040
MQW_02229-serine protease splC
MQW_02230-serine protease splB
MQW_02231-serine protease splA
MQW_02232-hypothetical protein
MQW_02233-hypothetical protein
MQW_02234-hypothetical protein
MQW_02235-hypothetical protein
MQW_02236-panton-Valentine leukocidin chain F
MQW_02237-leukotoxin LukE
JH1 CONTIG: 7000000097160218
SaurJH1_1897-peptidase S1 and S6 chymotrypsin/Hap
SaurJH1_1898-peptidase S1 and S6 chymotrypsin/Hap
SaurJH1_1899-peptidase S1 and S6 chymotrypsin/Hap
SaurJH1_1900-putative beta-lactamase
SaurJH1_1902-hypothetical protein
SaurJH1_1903-hypothetical protein
SaurJH1_1904-beta-channel forming cytolysin
SaurJH1_1905-beta-channel forming cytolysin
JH9 CONTIG: 7000000097160219
SaurJH9_1862-peptidase S1 and S6, chymotrypsin/Hap
SaurJH9_1863-peptidase S1 and S6, chymotrypsin/Hap
SaurJH9_1864-peptidase S1 and S6, chymotrypsin/Hap
SaurJH9_1865-hypothetical protein
SaurJH9_1866-hypothetical protein
SaurJH9_1867-hypothetical protein
SaurJH9_1868-hypothetical protein
SaurJH9_1869-hypothetical protein
SaurJH9_1870-beta-channel forming cytolysin
SaurJH9_1871-beta-channel forming cytolysin
Mu3 CONTIG: 7000000097160226
SAHV_1796-serine protease
SAHV_1797-serine protease
SAHV_1798-serine protease
SAHV_1799-hypothetical protein
SAHV_1800-beta-lactamase
SAHV_1801-hypothetical protein
SAHV_1802-hypothetical protein
SAHV_1803-hypothetical protein
SAHV_1804-leukotoxin F-subunit
SAHV_1805-leukotoxin S-subunit
Mu50 CONTIG: 7000000097160229
SAV1811-serine protease
SAV1812-serine protease
SAV1813-serine protease
SAV1814-hypothetical protein
SAV1815-beta-lactamase
SAV1816-hypothetical protein
SAV1817-hypothetical protein
SAV1818-hypothetical protein
SAV1819-leukotoxin F-subunit
SAV1820-leukotoxin S-subunit
N315 CONTIG: 7000000097160230
SA1629-serine protease SplC
SA1630-serine protease SplB
SA1631-serine protease SplA
SA1632-hypothetical protein
SA1633-beta-lactamase
SA1634-hypothetical protein
SA1635-hypothetical protein
SA1636-hypothetical protein
SA1637-leukotoxin, LukD
SA1638-leukotoxin LukE
ED98 CONTIG: 7000000172114144
SAAV_1819-serine protease SplC
SAAV_1820-serine protease SplB
SAAV_1821-serine protease SplA
SAAV_1822-putative beta-lactamase
SAAV_1823-hypothetical protein
SAAV_1824-epidermin immunity protein F
SAAV_1825-conserved hypothetical protein
SAAV_1826-conserved hypothetical protein
SAAV_1827-hypothetical protein
SAAV_1828-leukotoxin LukD
SAAV_1829-leukotoxin LukE
MSSA476 CONTIG: 7000000097160224
SAS1734-serine protease
SAS1735-serine protease
SAS1736-serine protease
SAS1737-hypothetical protein
SAS1738-hypothetical protein
SAS1739-putative lantibiotic ABC transporter protein
SAS1740-putative lantibiotic ABC transporter protein
SAS1741-putative lantibiotic transport ATP-binding protein
SAS1742-putative lantibiotic leader peptide processing serine protease
SAS1743-putative lantibiotic modifying enzyme
SAS1744-putative lantibiotic biosynthesis protein
SAS1745-putative lantibiotic biosynthesis protein
SAS1746-lantibiotic precursor
SAS1747a-lantibiotic precursor
SAS1748-gamma-hemolysin component B precursor
SAS1749-gamma-hemolysin component A precursor
MW2 CONTIG: 7000000097160225
MW1753-serine protease SplC
MW1754-serine protease SplB
MW1755-serine protease SplA
MW1756-hypothetical protein
MW1757-hypothetical protein
MW1758-hypothetical protein
MW1759-hypothetical protein
MW1760-hypothetical protein
MW1761-hypothetical protein
MW1762-hypothetical protein
MW1763-hypothetical protein
MW1764-hypothetical protein
MW1765-hypothetical protein
MW1766-hypothetical protein
MW1767-leukotoxin
MW1768-leukotoxin LukE
COL CONTIG: 7000000097160217
SACOL1867-serine protease SplC
SACOL1868-serine protease SplB
SACOL1869-serine protease SplA
SACOL1870-hypothetical protein
SACOL1871-epidermin immunity protein F
SACOL1872-epidermin immunity protein F
SACOL1873-epidermin immunity protein F
SACOL1874-epidermin leader peptide processing serine protease EpiP
SACOL1875-epidermin biosynthesis protein EpiD
SACOL1877-epidermin biosynthesis protein EpiB
SACOL1878-lantibiotic epidermin precursor EpiA
SACOL1879-IS1181 transposase
SACOL1880-leukotoxin LukD
SACOL1881-leukotoxin LukE
Newman CONTIG: 7000000097160235
NWMN_1704-serine protease SplC
NWMN_1705-serine protease SplB
NWMN_1706-serine protease SplA
NWMN_1707-hypothetical protein
NWMN_1708-hypothetical protein
NWMN_1709-lantibiotic ABC transporter protein
NWMN_1710-lantibiotic ABC transporter protein
NWMN_1711-lantibiotic immunity protein F
NWMN_1712-lantibiotic leader peptide processing serine protease
NWMN_1713-lantibiotic modifying enzyme
NWMN_1714-lantibiotic biosynthesis protein
NWMN_1715-lantibiotic biosynthesis protein
NWMN_1716-lantibiotic precursor
NWMN_1717-lantibiotic precursor
NWMN_1718-leukocidin LukD precursor
NWMN_1719-leukocidin LukE precursor
NCTC_8325 CONTIG: 7000000097160231
SAOUHSC_01939-serine protease SplC
SAOUHSC_01941-serine protease SplB
SAOUHSC_01942-serine protease SplA
SAOUHSC_01943-hypothetical protein
SAOUHSC_01944-hypothetical protein
SAOUHSC_01945-hypothetical protein
SAOUHSC_01947-hypothetical protein
SAOUHSC_01948-ABC transporter
SAOUHSC_01949-intracellular serine protease, putative
SAOUHSC_01950-flavoprotein, epiD, putative
SAOUHSC_01951-epidermin biosynthesis protein EpiC, authentic point mutation
SAOUHSC_01952-lantibiotic epidermin biosynthesis protein EpiB, putative
SAOUHSC_01953-gallidermin superfamily epiA protein
SAOUHSC_01954-leukotoxin, LukD
SAOUHSC_01955-leukotoxin, LukE, putative
USA300_TCH1516 CONTIG: 7000000178138011
USA300HOU_1804-S1B family serine protease SplC
USA300HOU_1805-S1B family serine protease SplB
USA300HOU_1806-S1B family serine protease SplA
USA300HOU_1807-hypothetical protein
USA300HOU_1808-lantibiotic epidermin immunity protein F
USA300HOU_1809-epidermin ABC superfamily ATP binding cassette transporter, membrane protein
USA300HOU_1810-epidermin ABC superfamily ATP binding cassette transporter, ABC protein
USA300HOU_1811-SSA family lantibiotic epidermin serine protease
USA300HOU_1812-lantibiotic epidermin biosynthesis protein EpiD
USA300HOU_1813-lantibiotic epidermin biosynthesis protein EpiC
USA300HOU_1814-lantibiotic epidermin biosynthesis protein EpiB
USA300HOU_1815-lantibiotic epidermin EpiA
USA300HOU_1816-hypothetical protein
USA300HOU_1817-leukotoxin LukD
USA300HOU_1818-leukotoxin LukE
USA300HOU_1819-leukotoxin LukE
USA300_FPR3757 CONTIG: 7000000178138014
SAUSA300_1756-serine protease SplC
SAUSA300_1757-serine protease SplB
SAUSA300_1758-serine protease SplA
SAUSA300_1759-conserved hypothetical protein
SAUSA300_1760-lantibiotic epidermin immunity protein F
SAUSA300_1761-lantibiotic epidermin immunity protein F
SAUSA300_1762-lantibiotic epidermin immunity protein F
SAUSA300_1763-lantibiotic epidermin leader peptide processing serine protease EpiP
SAUSA300_1764-lantibiotic epidermin biosynthesis protein EpiD
SAUSA300_1765-lantibiotic epidermin biosynthesis protein EpiC
SAUSA300_1766-lantibiotic epidermin biosynthesis protein EpiB
SAUSA300_1767-lantibiotic epidermin biosynthesis protein EpiA
SAUSA300_1768-leukotoxin LukE
SAUSA300_1769-leukotoxin LukE
SAUSA300_1770-leukotoxin LukD
TW20_0582 CONTIG: 7000000178222069
SATW20_18100-serine protease
SATW20_18110-serine protease
SATW20_18120-putative exported protein
SATW20_18130-lantibiotic immunity protein
SATW20_18140-lantibiotic immunity protein
SATW20_18150-lantibiotic immunity protein
SATW20_18160-lantibiotic leader peptide-processing serine protease
SATW20_18170-lantibiotic decarboxylase
SATW20_18180-lantibiotic biosynthesis protein
SATW20_18190-lantibiotic biosynthesis protein (pseudogene)
SATW20_18200-lantibiotic precursor
SATW20_18201-lantibiotic precursor
SATW20_18210-gamma-hemolysin component B
SATW20_18220-gamma-hemolysin component A
EMRSA15 (NO homology)
ST398_50385 (NO homology)
MRSA252 (NO homology)
LGA251 CONTIG: 7000000178222074
SARLGA251_16950
SARLGA251_16960
SARLGA251_16970
SARLGA251_16980
SARLGA251_16990
SARLGA251_17000
SARLGA251_17010
SARLGA251_17020
SARLGA251_17030
SARLGA251_17040
SARLGA251_17050
SARLGA251_17060
SARLGA251_17070
SARLGA251_17080
SARLGA251_17090
RF122 CONTIG: 7000000097160216
SAB1671c-serine proteinase
SAB1672c-serine proteinase
SAB1675-hypothetical protein
SAB1676c-hypothetical protein
SAB1677c-transport protein
SAB1678c-transport protein
SAB1679c-serine protease precursor
SAB1680c-hypothetical protein
SAB1681c-hypothetical protein
SAB1682c-hypothetical protein
SAB1683c-hypothetical protein
SAB1684-hypothetical protein
SAB1685c-hypothetical protein
SAB1686c-leukotoxin D subunit
SAB1687c-leukotoxin E subunit

F


VRS1 CONTIG: 700000018442967
MQA_01434-hypothetical protein
MQA_01435-hypothetical protein
MQA_01436-staphylococcus tandem lipoproteins
MQA_01437-staphylococcus tandem lipoproteins
MQA_01438-staphylococcus tandem lipoproteins
MQA_01439-hypothetical protein
MQA_01440-staphylococcus tandem lipoproteins
MQA_01441-staphylococcus tandem lipoproteins
MQA_01442-hypothetical protein
MQA_01443-amidohydrolase
MQA_01444-quinolone resistance protein norB
MQA_01445-hypothetical protein
MQA_01446-hypothetical protein
VRS2 CONTIG: 700000018442307 1
MQC_01705-hypothetical protein
MQC_01706-hypothetical protein
MQC_01707-staphylococcus tandem lipoproteins
MQC_01708-staphylococcus tandem lipoproteins
MQC_01709-staphylococcus tandem lipoproteins
MQC_01710-staphylococcus tandem lipoproteins
MQC_01711-hypothetical protein
MQC_01712-amidohydrolase
MQC_01713-quinolone resistance protein norB
MQC_01714-hypothetical protein
MQC_01715-hypothetical protein
VRS3a CONTIG: 700000018442133
MQE_01926-staphylococcus tandem lipoproteins
MQE_01927-hypothetical protein
MQE_01928-staphylococcus tandem lipoproteins
MQE_01929-staphylococcus tandem lipoproteins
MQE_01930-staphylococcus tandem lipoproteins
MQE_01931-staphylococcus tandem lipoproteins
MQE_01932-staphylococcus tandem lipoproteins
MQE_01933-hypothetical protein
MQE_01934-amidohydrolase
MQE_01935-quinolone resistance protein norB
MQE_01936-hypothetical protein
MQE_01937-hypothetical protein
VRS4 CONTIG: 700000018442319
MQG_01889-hypothetical protein
MQG_01890-hypothetical protein
MQG_01891-staphylococcus tandem lipoproteins
MQG_01892-staphylococcus tandem lipoproteins
MQG_01893-hypothetical protein
MQG_01894-staphylococcus tandem lipoproteins
MQG_01895-staphylococcus tandem lipoproteins
MQG_01896-staphylococcus tandem lipoproteins
MQG_01897-hypothetical protein
MQG_01898-amidohydrolase
MQG_01899-quinolone resistance protein norB
MQG_01900-hypothetical protein
MQG_01901-hypothetical protein
VRS5 CONTIG: 700000017915146 9
MQI_02450-hypothetical protein
MQI_02451-1-phosphatidylinositol phosphodiesterase
MQI_02452-hypothetical protein
MQI_02453-hypothetical protein
MQI_02454-hypothetical protein
MQI_02455-hypothetical protein
MQI_02456-amidohydrolase hippurate hydrolase
MQI_02457-hypothetical protein
MQI_02458-amidohydrolase hippurate hydrolase
MQI_02459-DHA2 family, multidrug resistance protein
MQI_02460-Na/Pi cotransporter II-like protein
MQI_02461-mycin-cross-reactive antigen
VRS9 CONTIG: 700000017915159 1
MQK_02192-hypothetical protein
MQK_02193-1-phosphatidylinositol phosphodiesterase
MQK_02194-hypothetical protein
MQK_02195-hypothetical protein
MQK_02196-hypothetical protein
MQK_02197-hypothetical protein
MQK_02198-hypothetical protein
MQK_02199-hypothetical protein
MQK_02200-amidohydrolase hippurate hydrolase
MQK_02201-DHA2 family, multidrug resistance protein
MQK_02202-Na/Pi cotransporter II-like protein
MQK_02203-mycin-cross-reactive antigen
VRS7 CONTIG: 700000018445903
MQM_00691-hypothetical protein
MQM_00692-hypothetical protein
MQM_00693-staphylococcus tandem lipoproteins
MQM_00694-staphylococcus tandem lipoproteins
MQM_00695-staphylococcus tandem lipoproteins
MQM_00696-staphylococcus tandem lipoproteins
MQM_00697-staphylococcus tandem lipoproteins
MQM_00698-hypothetical protein
MQM_00699-amidohydrolase
MQM_00700-quinolone resistance protein norB
MQM_00701-hypothetical protein
MQM_00702-hypothetical protein
VRS8 CONTIG: 700000017915651
MQO_00780-hypothetical protein
MQO_00781-1-phosphatidylinositol phosphodiesterase
MQO_00782-hypothetical protein
MQO_00783-hypothetical protein
MQO_00784-hypothetical protein
MQO_00785-hypothetical protein
MQO_00786-hypothetical protein
MQO_00787-hypothetical protein
MQO_00788-amidohydrolase hippurate hydrolase
MQO_00789-DHA2 family, multidrug resistance protein
MQO_00790-Na/Pi cotransporter II-like protein
MQO_00791-mycin-cross-reactive antigen
VRS9 CONTIG: 700000017915833
MQQ_01829-hypothetical protein
MQQ_01830-1-phosphatidylinositol phosphodiesterase
MQQ_01831-hypothetical protein
MQQ_01832-hypothetical protein
MQQ_01833-hypothetical protein
MQQ_01834-hypothetical protein
MQQ_01835-hypothetical protein
MQQ_01836-hypothetical protein
MQQ_01837-amidohydrolase hippurate hydrolase
MQQ_01838-DHA2 family, multidrug resistance protein
MQQ_01839-Na/Pi cotransporter II-like protein
MQQ_01840-mycin-cross-reactive antigen
VRS10 CONTIG: 700000017915871
MQS_02265-hypothetical protein
MQS_02266-1-phosphatidylinositol phosphodiesterase
MQS_02267-hypothetical protein
MQS_02268-hypothetical protein
MQS_02269-hypothetical protein
MQS_02270-hypothetical protein
MQS_02271-hypothetical protein
MQS_02272-hypothetical protein
MQS_02273-amidohydrolase hippurate hydrolase
MQS_02274-DHA2 family, multidrug resistance protein
MQS_02275-Na/Pi cotransporter II-like protein
MQS_02276-mycin-cross-reactive antigen
VRS11a CONTIG: 700000017915960
MQU_00270-hypothetical protein
MQU_00271-1-phosphatidylinositol phosphodiesterase
MQU_00272-hypothetical protein
MQU_00273-hypothetical protein
MQU_00274-hypothetical protein
MQU_00275-hypothetical protein
MQU_00276-amidohydrolase hippurate hydrolase
MQU_00277-DHA2 family, multidrug resistance protein
MQU_00278-Na/Pi cotransporter II-like protein
MQU_00279-mycin-cross-reactive antigen
VRS11b CONTIG: 700000017915995
MQW_02131-hypothetical protein
MQW_02132-1-phosphatidylinositol phosphodiesterase
MQW_02133-hypothetical protein
MQW_02134-hypothetical protein
MQW_02135-hypothetical protein
MQW_02136-hypothetical protein
MQW_02137-amidohydrolase hippurate hydrolase
MQW_02138-DHA2 family, multidrug resistance protein
MQW_02139-Na/Pi cotransporter II-like protein
MQW_02140-mycin-cross-reactive antigen
JH1 CONTIG: 700000009716021 8
Saur.JH1_0085-hypothetical protein
Saur.JH1_0086-phosphatidylinositol diacylglycerol-lyase
Saur.JH1_0087-putative lipoprotein
Saur.JH1_0088-putative lipoprotein
Saur.JH1_0089-putative lipoprotein
Saur.JH1_0090-putative lipoprotein
Saur.JH1_0091-putative lipoprotein
Saur.JH1_0092-helix-turn-helix domain-containing protein
Saur.JH1_0093-amidohydrolase
Saur.JH1_0094-major facilitator transporter
Saur.JH1_0096-Na/Pi-cotransporter II-related protein
Saur.JH1_0097-67 kDa myosin-cross-reactive antigen family protein
JH9 CONTIG: 700000009716021 9
Saur.JH9_0082-hypothetical protein
Saur.JH9_0083-phosphatidylinositol diacylglycerol-lyase
Saur.JH9_0084-putative lipoprotein
Saur.JH9_0085-putative lipoprotein
Saur.JH9_0086-putative lipoprotein
Saur.JH9_0087-putative lipoprotein
Saur.JH9_0088-putative lipoprotein
Saur.JH9_0089-helix-turn-helix domain-containing protein
Saur.JH9_0090-amidohydrolase
Saur.JH9_0091-major facilitator transporter
Saur.JH9_0092-Na/Pi-cotransporter II-related protein
Saur.JH9_0093-67 kDa myosin-cross-reactive antigen family protein
MU3 CONTIG: 700000009716022 6
SAHV_0093-hypothetical protein
SAHV_0094-1-phosphatidylinositol phosphodiesterase precursor
SAHV_0095-hypothetical protein
SAHV_0096-hypothetical protein
SAHV_0097-hypothetical protein
SAHV_0098-hypothetical protein
SAHV_0099-hypothetical protein
SAHV_0100-hypothetical protein
SAHV_0101-hypothetical protein
SAHV_0102-hypothetical protein
SAHV_0103-hypothetical protein
SAHV_0104-hypothetical protein
SAHV_0105-67 kDa Myosin-crossreactive streptococcal antigen homologue
MU50 CONTIG: 700000009716022 9
SAV0094-hypothetical protein
SAV0095-1-phosphatidylinositol phosphodiesterase precursor
SAV0096-hypothetical protein
SAV0097-hypothetical protein
SAV0098-hypothetical protein
SAV0099-hypothetical protein
SAV0100-hypothetical protein
SAV0101-hypothetical protein
SAV0102-aminoacylase
SAV0103-major facilitator transporter
SAV0104-transport protein
SAV0105-hypothetical protein
SAV0106-67 kDa Myosin-crossreactive streptococcal antigen-like protein
N315 CONTIG: 700000009716023 0
SA0090-hypothetical protein
SA0091-1-phosphatidylinositol phosphodiesterase precursor
SA0092-hypothetical protein
SA0093-hypothetical protein
SA0094-hypothetical protein
SA0095-hypothetical protein
SA0096-hypothetical protein
SA0097-hypothetical protein
SA0098-hypothetical protein
SA0099-hypothetical protein
SA0100-hypothetical protein
SA0101-hypothetical protein
SA0102-hypothetical protein
ED98 CONTIG: 700000017211414 4
SAAV_0042-hypothetical protein
SAAV_0043-1-phosphatidylinositol phosphodiesterase
SAAV_0044-hypothetical protein
SAAV_0045-putative lipoprotein, truncated
SAAV_0046-putative lipoprotein, truncated
SAAV_0047-truncated transposase
SAAV_0048-truncated transposase
SAAV_0049-putative lipoprotein, putative
SAAV_0050-conserved hypothetical protein, transposon-related protein
SAAV_0051-putative TraD protein
SAAV_0052-conserved hypothetical protein, transposon-related protein
SAAV_0053-hypothetical protein, transposon-related protein
SAAV_0054-FtsK/SpoIIIE family protein
SAAV_0055-conserved hypothetical protein, transposon-related protein
SAAV_0056-hypothetical protein, transposon-related protein
SAAV_0057-conserved hypothetical protein, transposon-related protein
SAAV_0058-conserved hypothetical protein, transposon-related protein
SAAV_0059-conserved hypothetical protein, transposon-related protein
SAAV_0060-conserved hypothetical protein, transposon-related protein
SAAV_0061-replication initiation factor family protein
SAAV_0062-conserved hypothetical protein, transposon-related protein
SAAV_0063-conserved hypothetical protein, transposon-related protein
SAAV_0064-conserved hypothetical protein, transposon-related protein
SAAV_0065-conserved hypothetical protein, transposon-related protein
SAAV_0066-putative lipoprotein
SAAV_0067-hypothetical protein
SAAV_0068-staphylococcal tandem lipoprotein
SAAV_0069-AraC family transcriptional regulator
SAAV_0070-M20/M25/M40 family peptidase
SAAV_0071-hypothetical protein
SAAV_0072-Na/Pi cotransporter family protein
SAAV_0073-myosin-cross-reactive antigen
MSSA476 CONTIG: 700000009716022 4
SAS0069-hypothetical protein
SAS0070-putative lipoprotein
SAS0071-putative lipoprotein
SAS0072-putative lipoprotein
SAS0073-putative lipoprotein
SAS0074-putative lipoprotein
SAS0075-hypothetical protein
SAS0076-putative Na+/Pi-cotransporter protein
SAS0077-hypothetical protein
SAS0078-putative regulatory protein
SAS0079-putative peptidase
SAS0080-putative transporter protein
SAS0081-putative lipoprotein
SAS0082-putative myosin-crossreactive antigen
MW2 CONTIG: 700000009716022 5
MW0069-hypothetical protein
MW0070-1-phosphatidylinositol phosphodiesterase precursor
MW0071-hypothetical protein
MW0072-hypothetical protein
MW0073-hypothetical protein
MW0074-hypothetical protein
MW0075-hypothetical protein
MW0076-hypothetical protein
MW0077-hypothetical protein
MW0078-hypothetical protein
MW0079-hypothetical protein
MW0080-hypothetical protein
MW0081-hypothetical protein
COL CONTIG: 700000009716021 7
SACOL0077-hypothetical protein
SACOL0078-1-phosphatidylinositol phosphodiesterase
SACOL0079-hypothetical protein
SACOL0080-hypothetical protein
SACOL0081-hypothetical protein
SACOL0082-hypothetical protein
SACOL0083-staphylococcal tandem lipoprotein
SACOL0084-AraC family transcriptional regulator
SACOL0085-M20/M25/M40 family peptidase
SACOL0086-drug transporter, putative
SACOL0087-hypothetical protein
SACOL0088-Na/Pi cotransporter family protein
SACOL0089-antigen, 67 kDa
Newman CONTIG: 700000009716023 5
NWMN_0040-hypothetical protein
NWMN_0041-hypothetical protein
NWMN_0042-hypothetical protein
NWMN_0043-hypothetical protein
NWMN_0044-hypothetical protein
NWMN_0045-hypothetical protein
NWMN_0046-hypothetical protein
NWMN_0047-hypothetical protein
NWMN_0048-hypothetical protein
NWMN_0049-hypothetical protein
NWMN_0050-67 kDa Myosin-crossreactive streptococcal antigen-like protein
NCTC_8325 CONTIG: 700000009716023 1
SAOUHSC_00050-hypothetical protein
SAOUHSC_00051-1-phosphatidylinositol phosphodiesterase precursor, putative
SAOUHSC_00052-hypothetical protein
SAOUHSC_00053-hypothetical protein
SAOUHSC_00054-hypothetical protein
SAOUHSC_00055-hypothetical protein
SAOUHSC_00056-hypothetical protein
SAOUHSC_00057-hypothetical protein
SAOUHSC_00058-hypothetical protein
SAOUHSC_00060-hypothetical protein
SAOUHSC_00061-hypothetical protein
USA300_TCH1516 CONTIG: 700000017138011
USA300HOU_0107-hypothetical membrane protein
USA300HOU_0108-phosphatidylinositol diacylglycerol-lyase
USA300HOU_0109-staphylococcal tandem lipoprotein
USA300HOU_0110-possible staphylococcal tandem lipoprotein
USA300HOU_0111-possible staphylococcal tandem lipoprotein
USA300HOU_0112-staphylococcal tandem lipoprotein
USA300HOU_0113-functional AraC family transcriptional regulator/xylan 1,4-beta-xylosidase
USA300HOU_0114-M20 family peptidase
USA300HOU_0115-possible MFS family major facilitator transporter
USA300HOU_0116-possible PnaS family phosphate:sodium (Na+) symporter
USA300HOU_0117-myosin-cross-reactive antigen
USA300_FPR3757 CONTIG: 700000017138014
SAUSA300_0098-conserved hypothetical protein
SAUSA300_0099-1-phosphatidylinositol phosphodiesterase
SAUSA300_0100-staphylococcal tandem lipoprotein
SAUSA300_0101-staphylococcal tandem lipoprotein
SAUSA300_0102-staphylococcal tandem lipoprotein
SAUSA300_0103-staphylococcal tandem lipoprotein
SAUSA300_0104-transcriptional regulator, AraC family
SAUSA300_0105-peptidase, M20/M25/M40 family
SAUSA300_0106-putative drug transporter
SAUSA300_0107-Na/Pi cotransporter family protein
SAUSA300_0108-antigen, 67 kDa
TW20_0582 CONTIG: 700000017822269
SATW20_01140-1-phosphatidylinositol phosphodiesterase
SATW20_01150-putative lipoprotein
SATW20_01160-AraC family regulatory protein
SATW20_01170-putative peptidase
SATW20_01180-putative transporter protein
SATW20_01190-putative Na+/Pi-cotransporter protein
SATW20_01200-putative myosin-crossreactive antigen
LGA251 CONTIG: 700000017822074
SARLGA251_00740
SARLGA251_00750
SARLGA251_00760
SARLGA251_00770
SARLGA251_00780
SARLGA251_00790
SARLGA251_00800
SARLGA251_00810
RF122 CONTIG: 700000009716021 6
SAB0037-hypothetical protein
SAB0038-1-phosphatidylinositol phosphodiesterase
SAB0040-hypothetical protein
SAB0041-transcriptional regulator
SAB0042-aminoacylase
SAB0043-antibiotic resistance-related transmembrane efflux protein
SAB0044c-membrane transporter
SAB0045c-mycin-crossreactive streptococcal antigen-like protein


VRS1 CONTIG: 7000000184422908
MQA_02008-phosphonate ABC transporter, permease PhnE
MQA_02009-phosphonate ABC transporter, permease PhnE
MQA_02010-phosphonate import ATP-binding protein PhnC
MQA_02011-phosphate/phosphite/phosphonate ABC transporters, periplasmic binding protein
MQA_02012-hypothetical protein
MQA_02013-hypothetical protein
MQA_02014-hypothetical protein
MQA_02015-hypothetical protein
MQA_02016-hypothetical protein
VRS2 CONTIG: 7000000184423026
MQC_02104-phosphonate ABC transporter, permease PhnE
MQC_02105-phosphonate ABC transporter, permease PhnE
MQC_02106-phosphonate import ATP-binding protein PhnC
MQC_02107-phosphate/phosphite/phosphonate ABC transporters, periplasmic binding protein
MQC_02108-hypothetical protein
MQC_02109-hypothetical protein
MQC_02110-hypothetical protein
MQC_02111-hypothetical protein
MQC_02112-hypothetical protein
VRS3a CONTIG: 7000000184423109
MQE_00473-phosphonate ABC transporter, permease PhnE
MQE_00474-phosphonate ABC transporter, permease PhnE
MQE_00475-phosphonate import ATP-binding protein PhnC
MQE_00476-phosphate/phosphite/phosphonate ABC transporters, periplasmic binding protein
MQE_00477-hypothetical protein
MQE_00478-hypothetical protein
MQE_00479-hypothetical protein
MQE_00480-hypothetical protein
MQE_00481-hypothetical protein
VRS4 CONTIG: 7000000184423227
MQG_00859-phosphonate ABC transporter, permease PhnE
MQG_00860-phosphonate ABC transporter, permease PhnE
MQG_00861-phosphonate import ATP-binding protein PhnC
MQG_00862-phosphate/phosphite/phosphonate ABC transporters, periplasmic binding protein
MQG_00863-hypothetical protein
MQG_00864-hypothetical protein
MQG_00865-hypothetical protein
MQG_00866-hypothetical protein
MQG_00867-hypothetical protein
VRS5 CONTIG: 7000000179151438
MQI_00330-phosphonate ABC transporter, permease
MQI_00331-phosphonate ABC transporter, permease
MQI_00332-phosphonate ABC transporter, ATP-binding protein
MQI_00333-phosphonate ABC transporter, phosphonate-binding protein phosphonate transport system
MQI_00334-hypothetical protein
MQI_00335-5' nucleotidase 2',3'-cyclic-nucleotide 2'-phosphodiesterase
MQI_00336-hypothetical protein
MQI_00337-hypothetical protein
MQI_00338-bifunctional acetaldehyde-CoA/alcohol dehydrogenase
VRS6 CONTIG: 7000000179151598
MQK_00003-phosphonate ABC transporter, permease
MQK_00004-phosphonate ABC transporter, permease
MQK_00005-phosphonate ABC transporter, ATP-binding protein
MQK_00006-phosphonate ABC transporter, phosphonate-binding protein phosphonate transport system
MQK_00007-hypothetical protein
MQK_00008-5' nucleotidase 2',3'-cyclic-nucleotide 2'-phosphodiesterase
MQK_00009-hypothetical protein
MQK_00010-hypothetical protein
MQK_00011-bifunctional acetaldehyde-CoA/alcohol dehydrogenase
VRS7 CONTIG: 7000000184450903
MQM_00735-phosphonate ABC transporter, permease PhnE
MQM_00736-phosphonate ABC transporter, permease PhnE
MQM_00737-phosphonate import ATP-binding protein PhnC
MQM_00738-phosphate/phosphite/phosphonate ABC transporters, periplasmic binding protein
MQM_00739-hypothetical protein
MQM_00740-hypothetical protein
MQM_00741-hypothetical protein
MQM_00742-hypothetical protein
MQM_00743-hypothetical protein
VRS8 CONTIG: 7000000179151651
MQO_00825-phosphonate ABC transporter, permease
MQO_00826-phosphonate ABC transporter, permease
MQO_00827-phosphonate ABC transporter, ATP-binding protein
MQO_00828-phosphonate ABC transporter, phosphonate-binding protein phosphonate transport system
MQO_00829-hypothetical protein
MQO_00830-5' nucleotidase 2',3'-cyclic-nucleotide 2'-phosphodiesterase
MQO_00831-hypothetical protein
MQO_00832-hypothetical protein
MQO_00833-bifunctional acetaldehyde-CoA/alcohol dehydrogenase
VRS9 CONTIG: 7000000179151809
MQQ_02405-phosphonate ABC transporter, permease
MQQ_02406-phosphonate ABC transporter, permease
MQQ_02407-phosphonate ABC transporter, ATP-binding protein
MQQ_02408-phosphonate ABC transporter, phosphonate-binding protein phosphonate transport system
MQQ_02409-hypothetical protein
MQQ_02410-5' nucleotidase 2',3'-cyclic-nucleotide 2'-phosphodiesterase
MQQ_02411-hypothetical protein
MQQ_02412-hypothetical protein
MQQ_02413-bifunctional acetaldehyde-CoA/alcohol dehydrogenase
VRS10 CONTIG: 7000000179151899
MQS_01189-phosphonate ABC transporter, permease
MQS_01190-phosphonate ABC transporter, permease
MQS_01191-phosphonate ABC transporter, ATP-binding protein
MQS_01192-phosphonate ABC transporter, phosphonate-binding protein phosphonate transport system
MQS_01193-hypothetical protein
MQS_01194-5' nucleotidase 2',3'-cyclic-nucleotide 2'-phosphodiesterase
MQS_01195-hypothetical protein
MQS_01196-hypothetical protein
MQS_01197-bifunctional acetaldehyde-CoA/alcohol dehydrogenase
VRS11a CONTIG: 7000000179151960
MQU_00312-phosphonate ABC transporter, permease
MQU_00313-phosphonate ABC transporter, permease
MQU_00314-phosphonate ABC transporter, ATP-binding protein
MQU_00315-phosphonate ABC transporter, phosphonate-binding protein phosphonate transport system
MQU_00316-hypothetical protein
MQU_00317-5' nucleotidase 2',3'-cyclic-nucleotide 2'-phosphodiesterase
MQU_00318-hypothetical protein
MQU_00319-hypothetical protein
MQU_00320-bifunctional acetaldehyde-CoA/alcohol dehydrogenase
VRS11b CONTIG: 7000000179152019
MQW_00029-phosphonate ABC transporter, permease
MQW_00030-phosphonate ABC transporter, permease
MQW_00031-phosphonate ABC transporter, ATP-binding protein
MQW_00032-phosphonate ABC transporter, phosphonate-binding protein phosphonate transport system protein
MQW_00033-hypothetical protein
MQW_00034-5' nucleotidase 2',3'-cyclic-nucleotide 2'-phosphodiesterase
MQW_00035-hypothetical protein
MQW_00036-hypothetical protein
MQW_00037-bifunctional acetaldehyde-CoA/alcohol dehydrogenase
JH1 CONTIG: 7000000097160218
SaurJH1_0131-phosphonate ABC transporter, inner membrane subunit
SaurJH1_0132-phosphonate ABC transporter, inner membrane subunit
SaurJH1_0133-phosphonate ABC transporter, ATPase subunit
SaurJH1_0134-phosphonate ABC transporter, periplasmic phosphonate-binding protein
SaurJH1_0135-hypothetical protein
SaurJH1_0136-5'-nucleotidase domain-containing protein
SaurJH1_0137-hypothetical protein
SaurJH1_0138-hypothetical protein
SaurJH1_0139-bifunctional acetaldehyde-CoA/alcohol dehydrogenase
JH9 CONTIG: 7000000097160219
SaurJH9_0126-phosphonate ABC transporter, inner membrane subunit
SaurJH9_0127-phosphonate ABC transporter, inner membrane subunit
SaurJH9_0128-phosphonate ABC transporter, ATPase subunit
SaurJH9_0129-phosphonate ABC transporter, periplasmic phosphonate-binding protein
SaurJH9_0130-hypothetical protein
SaurJH9_0131-5'-nucleotidase domain-containing protein
SaurJH9_0132-hypothetical protein
SaurJH9_0133-hypothetical protein
SaurJH9_0134-bifunctional acetaldehyde-CoA/alcohol dehydrogenase
Mu3 CONTIG: 7000000097160226
SAHV_0139-hypothetical protein
SAHV_0140-hypothetical protein
SAHV_0141-hypothetical protein
SAHV_0142-hypothetical protein
SAHV_0143-hypothetical protein
SAHV_0144-hypothetical protein
SAHV_0145-hypothetical protein
SAHV_0146-hypothetical protein
SAHV_0147-bifunctional acetaldehyde-CoA/alcohol dehydrogenase
Mu50 CONTIG: 7000000097160229
SAV0140-phosphonates transport permease
SAV0141-phosphonates transport permease
SAV0142-transport system protein
SAV0143-alkylphosphonate ABC transporter
SAV0144-hypothetical protein
SAV0145-2'-3'-cyclic-nucleotide 2'-phosphodiesterase
SAV0146-hypothetical protein
SAV0147-transcription regulator
SAV0148-bifunctional acetaldehyde-CoA/alcohol dehydrogenase
N315 CONTIG: 7000000097160230
SA0135-hypothetical protein
SA0136-hypothetical protein
SA0137-hypothetical protein
SA0138-hypothetical protein
SA0139-hypothetical protein
SA0140-hypothetical protein
SA0141-hypothetical protein
SA0142-hypothetical protein
SA0143-bifunctional acetaldehyde-CoA/alcohol dehydrogenase
ED98 CONTIG: 7000000172114144
SAAV_0108-phosphonate ABC transporter, permease protein
SAAV_0109-phosphonate ABC transporter, permease protein
SAAV_0110-phosphonate ABC transporter, ATP-binding protein
SAAV_0111-phosphonate ABC transporter, phosphonate-binding protein
SAAV_0112-hypothetical protein
SAAV_0113-5' nucleotidase family protein
SAAV_0114-conserved hypothetical protein
SAAV_0115-putative transcriptional regulator
SAAV_0116-bifunctional acetaldehyde-CoA/alcohol dehydrogenase
MSSA476 CONTIG: 7000000097160224
SAS0114-binding-protein-dependent transport systems membrane component
SAS0115-binding-protein-dependent transport system membrane component
SAS0116-putative ABC transport ATP-binding protein
SAS0117-putative lipoprotein
SAS0118-hypothetical protein
SAS0119-putative nucleotidase
SAS0123-bifunctional acetaldehyde-CoA/alcohol dehydrogenase
MW2 CONTIG: 7000000097160225
MW0114-hypothetical protein
MW0115-hypothetical protein
MW0116-hypothetical protein
MW0117-hypothetical protein
MW0118-hypothetical protein
MW0119-hypothetical protein
MW0120-truncated replication initiator protein
MW0121-truncated replication initiation protein
MW0122-hypothetical protein
MW0123-bifunctional acetaldehyde-CoA/alcohol dehydrogenase
COL CONTIG: 7000000097160217
SACOL0125-phosphonate ABC transporter, permease protein
SACOL0126-phosphonate ABC transporter, permease protein
SACOL0127-phosphonate ABC transporter, ATP-binding protein
SACOL0128-phosphonate ABC transporter, phosphonate-binding protein
SACOL0129-hypothetical protein
SACOL0130-5' nucleotidase family protein
SACOL0135-bifunctional acetaldehyde-CoA/alcohol dehydrogenase
Newman CONTIG: 7000000097160235
NWMN_0084-phosphonates ABC transporter permease
NWMN_0085-phosphonates ABC transporter permease
NWMN_0086-ABC transport ATP-binding protein
NWMN_0087-hypothetical protein
NWMN_0088-hypothetical protein
NWMN_0089-hypothetical protein
NWMN_0090-hypothetical protein
NWMN_0091-hypothetical protein
NWMN_0092-hypothetical protein
NWMN_0093-truncated IS200 transposase family protein
NWMN_0094-bifunctional acetaldehyde-CoA/alcohol dehydrogenase
NCTC_8325 CONTIG: 7000000097160231
SAOUHSC_00102-phosphonates ABC transporter, permease protein CC0363, putative
SAOUHSC_00103-phosphonates ABC transporter, permease protein CC0363, putative
SAOUHSC_00104-amino acid ABC transporter, ATP-binding protein, putative
SAOUHSC_00105-phosphonate ABC transporter, substrate-binding protein, putative
SAOUHSC_00106-hypothetical protein
SAOUHSC_00107-hypothetical protein
SAOUHSC_00108-hypothetical protein
SAOUHSC_00109-replication initiation protein, putative
SAOUHSC_00110-truncated replication initiation protein, putative
SAOUHSC_00111-hypothetical protein
SAOUHSC_00112-IS200 family transposase
SAOUHSC_00113-bifunctional acetaldehyde-CoA/alcohol dehydrogenase
USA300_TCH1516 CONTIG: 7000000178138011
USA300HOU_0152-ABC superfamily ATP binding cassette transporter, membrane protein
USA300HOU_0153-ABC superfamily ATP binding cassette transporter, membrane protein
USA300HOU_0154-ABC superfamily ATP binding cassette transporter, ABC protein
USA300HOU_0155-ABC superfamily ATP binding cassette transporter, binding protein
USA300HOU_0156-hypothetical protein
USA300HOU_0157-nucleotidase
USA300HOU_0160-hypothetical protein
USA300HOU_0162-alcohol dehydrogenase
USA300_FPR3757 CONTIG: 7000000178138014
SAUSA300_0142-phosphonate ABC transporter, permease protein
SAUSA300_0143-phosphonate ABC transporter, permease protein
SAUSA300_0144-phosphonate ABC transporter, ATP-binding protein
SAUSA300_0145-phosphonate ABC transporter, phosphonate-binding protein
SAUSA300_0146-conserved hypothetical protein
SAUSA300_0147-5' nucleotidase family protein
SAUSA300_0148-conserved hypothetical protein
SAUSA300_0151-alcohol dehydrogenase, iron-containing
TW20_0582 CONTIG: 7000000178222069
SATW20_01510-binding-protein-dependent transport systemsmembrane component
SATW20_01520-binding-protein-dependent transport systemmembrane component
SATW20_01530-putative ABC transport ATP-binding protein
SATW20_01540-putative lipoprotein
SATW20_01550-putative exported protein
SATW20_01560-putative nucleotidase
SATW20_01570-hypothetical protein
SATW20_01580-putative DNA-binding protein
SATW20_01590-putative aldehyde-alcohol dehydrogenase
EMRSA15 CONTIG: 7000000178222072
SAEMRSA15_01060
SAEMRSA15_01070
SAEMRSA15_01080
SAEMRSA15_01090
SAEMRSA15_01100
SAEMRSA15_01110
SAEMRSA15_25050
SAEMRSA15_01130
ST398_S0385 CONTIG: 7000000178213650
SAPIG0154-phosphonate ABC transporter, permease protein PhnE
SAPIG0155-phosphonate ABC transporter, permease protein PhnE
SAPIG0156-phosphonate ABC transporter, ATP-binding protein
SAPIG0157-phosphonate ABC transporter, phosphonate-binding protein
SAPIG0158-conserved hypothetical protein
SAPIG0159-5' nucleotidase family protein
SAPIG0160-conserved hypothetical protein
SAPIG0161-putative DNA-binding protein
SAPIG0162-aldehyde-alcohol dehydrogenase 2
MRSA252 CONTIG: 7000000097160223
SAR0142-binding-protein-dependent transport systems membrane component
SAR0143-binding-protein-dependent transport system membrane component
SAR0144-putative ABC transport ATP-binding protein
SAR0145-putative lipoprotein
SAR0146-hypothetical protein
SAR0147-putative nucleotidase
SAR0148-hypothetical protein
SAR0149-putative DNA-binding protein
SAR0150-bifunctional acetaldehyde-CoA/alcohol dehydrogenase
LGA251 CONTIG: 7000000178222074
SARLGA251_01140
SARLGA251_01150
SARLGA251_01160
SARLGA251_01170
SARLGA251_01180
SARLGA251_01190
SARLGA251_01200
SARLGA251_01210
SARLGA251_01220
RF122 CONTIG: 7000000097160216
SAB0081c-phosphonate ABC transporter permease
SAB0083c-transport system protein
SAB0084c-transport protein
SAB0085-hypothetical protein
SAB0086-2',3'-cyclic-nucleotide 2'-phosphodiesterase
SAB0088-transcriptional regulator
SAB0089-bifunctional acetaldehyde-CoA/alcohol dehydrogenase


VRS1 CONTIG: 700000018442974
MQA_01105-type1 restriction enzyme R protein
MQA_01106-hypothetical protein
MQA_01107-hypothetical protein
MQA_01108-hypothetical protein
MQA_01109-hypothetical protein
MQA_01110-hypothetical protein
MQA_01111-hypothetical protein
MQA_01112-hypothetical protein
MQA_01113-hypothetical protein
MQA_01114-hypothetical protein
MQA_01115-hypothetical protein
MQA_01116-hypothetical protein
MQA_01117-hypothetical protein
MQA_01118-hypothetical protein
MQA_01119-hypothetical protein
MQA_01120-gamma-glutamyltransferase
VRS2 CONTIG: 700000018442307 6
MQC_00969-type1 restriction enzyme R protein
MQC_00970-hypothetical protein
MQC_00971-hypothetical protein
MQC_00972-hypothetical protein
MQC_00973-hypothetical protein
MQC_00974-hypothetical protein
MQC_00975-hypothetical protein
MQC_00976-hypothetical protein
MQC_00977-hypothetical protein
MQC_00978-hypothetical protein
MQC_00979-hypothetical protein
MQC_00980-hypothetical protein
MQC_00981-hypothetical protein
MQC_00982-hypothetical protein
MQC_00983-hypothetical protein
MQC_00984-gamma-glutamyltransferase
VRS3a CONTIG: 700000018442310 9
MQE_00528-type1 restriction enzyme R protein
MQE_00529-type1 restriction enzyme R protein
MQE_00530-hypothetical protein
MQE_00531-hypothetical protein
MQE_00532-hypothetical protein
MQE_00533-hypothetical protein
MQE_00534-hypothetical protein
MQE_00535-hypothetical protein
MQE_00536-hypothetical protein
MQE_00537-hypothetical protein
MQE_00538-hypothetical protein
MQE_00539-hypothetical protein
MQE_00540-hypothetical protein
MQE_00541-hypothetical protein
MQE_00542-hypothetical protein
MQE_00543-hypothetical protein
MQE_00544-gamma-glutamyltransferase
VRS4 CONTIG: 700000018442322 7
MQG_00913-type1 restriction enzyme R protein
MQG_00914-hypothetical protein
MQG_00915-hypothetical protein
MQG_00916-hypothetical protein
MQG_00917-hypothetical protein
MQG_00918-hypothetical protein
MQG_00919-hypothetical protein
MQG_00920-hypothetical protein
MQG_00921-hypothetical protein
MQG_00922-hypothetical protein
MQG_00923-hypothetical protein
MQG_00924-hypothetical protein
MQG_00925-hypothetical protein
MQG_00926-hypothetical protein
MQG_00927-hypothetical protein
MQG_00928-gamma-glutamyltransferase
VRS5 CONTIG: 700000017915143 8
MQI_00384-type1 restriction enzyme R protein
MQI_00385-hypothetical protein
MQI_00386-membrane-fusion protein HlyD family secretion protein
MQI_00387-hypothetical protein
MQI_00388-ABC transporter, permease
MQI_00389-hypothetical protein
MQI_00390-hypothetical protein
MQI_00391-hypothetical protein
MQI_00392-ATP-binding transporter ABC-2 type transport system
MQI_00393-hypothetical protein
MQI_00394-XRE family transcriptional regulator
MQI_00395-peptide/nickel transport system
MQI_00396-oligopeptide ABC transporter, permease peptide/nickel transport system
MQI_00397-glutathione transporter, permease component- Dipeptide transport system permease dppC
MQI_00398-RGD-containing lipoprotein peptide/nickel transport system
MQI_00399-gamma-glutamyltransferase
VRS6 CONTIG: 700000017915159 8
MQK_00057-type1 restriction enzyme R protein
MQK_00058-hypothetical protein
MQK_00059-membrane-fusion protein HlyD family secretion protein
MQK_00060-hypothetical protein
MQK_00061-ABC transporter, permease
MQK_00062-hypothetical protein
MQK_00063-hypothetical protein
MQK_00064-hypothetical protein
MQK_00065-ATP-binding transporter ABC-2 type transport system
MQK_00066-hypothetical protein
MQK_00067-XRE family transcriptional regulator
MQK_00068-peptide/nickel transport system
MQK_00069-oligopeptide ABC transporter, permease peptide/nickel transport system
MQK_00070-glutathione transporter, permease component- Dipeptide transport system permease dppC
MQK_00071-RGD-containing lipoprotein peptide/nickel transport system
MQK_00072-gamma-glutamyltransferase
VRS7 CONTIG: 700000018445090 3
MQM_00789-type1 restriction enzyme R protein
MQM_00790-hypothetical protein
MQM_00791-hypothetical protein
MQM_00792-hypothetical protein
MQM_00793-hypothetical protein
MQM_00794-hypothetical protein
MQM_00795-hypothetical protein
MQM_00796-hypothetical protein
MQM_00797-hypothetical protein
MQM_00798-hypothetical protein
MQM_00799-hypothetical protein
MQM_00800-hypothetical protein
MQM_00801-hypothetical protein
MQM_00802-hypothetical protein
MQM_00803-hypothetical protein
MQM_00804-gamma-glutamyltransferase
VRS8 CONTIG: 700000017915165 1
MQO_00879-type1 restriction enzyme R protein
MQO_00880-hypothetical protein
MQO_00881-membrane-fusion protein HlyD family secretion protein
MQO_00882-hypothetical protein
MQO_00883-ABC transporter, permease
MQO_00884-hypothetical protein
MQO_00885-hypothetical protein
MQO_00886-hypothetical protein
MQO_00887-ATP-binding transporter ABC-2 type transport system
MQO_00888-hypothetical protein
MQO_00889-hypothetical protein
MQO_00890-peptide/nickel transport system
MQO_00891-oligopeptide ABC transporter, permease peptide/nickel transport system
MQO_00892-glutathione transporter, permease component- Dipeptide transport system permease dppC
MQO_00893-RGD-containing lipoprotein peptide/nickel transport system
MQO_00894-gamma-glutamyltransferase
VRS9 CONTIG: 700000017915181 9
MQQ_01037-type1 restriction enzyme R protein
MQQ_01038-hypothetical protein
MQQ_01039-membrane-fusion protein HlyD family secretion protein
MQQ_01040-hypothetical protein
MQQ_01041-ABC transporter, permease
MQQ_01043-hypothetical protein
MQQ_01044-hypothetical protein
MQQ_01045-hypothetical protein
MQQ_01046-ATP-binding transporter ABC-2 type transport system
MQQ_01047-hypothetical protein
MQQ_01048-hypothetical protein
MQQ_01049-peptide/nickel transport system
MQQ_01050-oligopeptide ABC transporter, permease peptide/nickel transport system
MQQ_01051-glutathione transporter, permease component- Dipeptide transport system permease dppC
MQQ_01052-RGD-containing lipoprotein peptide/nickel transport system
MQQ_01053-gamma-glutamyltransferase
VRS10 CONTIG: 700000017915189 9
MQS_01243-type1 restriction enzyme R protein
MQS_01244-hypothetical protein
MQS_01245-membrane-fusion protein HlyD family secretion protein
MQS_01246-hypothetical protein
MQS_01247-ABC transporter, permease
MQS_01248-hypothetical protein
MQS_01249-hypothetical protein
MQS_01250-hypothetical protein
MQS_01251-hypothetical protein
MQS_01252-ATP-binding transporter ABC-2 type transport system
MQS_01253-XRE family transcriptional regulator
MQS_01254-peptide/nickel transport system
MQS_01255-oligopeptide ABC transporter, permease peptide/nickel transport system
MQS_01256-glutathione transporter, permease component- Dipeptide transport system permease dppC
MQS_01257-RGD-containing lipoprotein peptide/nickel transport system
MQS_01258-gamma-glutamyltransferase
VRS11a CONTIG: 700000017915196 0
MQU_00366-type1 restriction enzyme R protein
MQU_00367-hypothetical protein
MQU_00368-membrane-fusion protein HlyD family secretion protein
MQU_00369-hypothetical protein
MQU_00370-hypothetical protein
MQU_00371-hypothetical protein
MQU_00372-hypothetical protein
MQU_00373-hypothetical protein
MQU_00374-ATP-binding transporter ABC-2 type transport system
MQU_00375-hypothetical protein
MQU_00376-XRE family transcriptional regulator
MQU_00377-peptide/nickel transport system
MQU_00378-hypothetical protein
MQU_00379-hypothetical protein
MQU_00380-glutathione transporter, permease component- Dipeptide transport system permease dppC
MQU_00381-RGD-containing lipoprotein peptide/nickel transport system
MQU_00382-hypothetical protein
MQU_00383-hypothetical protein
VRS11b CONTIG: 700000017915201 9
MQW_00083-type1 restriction enzyme R protein
MQW_00084-hypothetical protein
MQW_00085-membrane-fusion protein HlyD family secretion protein
MQW_00086-hypothetical protein
MQW_00087-hypothetical protein
MQW_00088-hypothetical protein
MQW_00089-hypothetical protein
MQW_00090-hypothetical protein
MQW_00091-ATP-binding transporter ABC-2 type transport system protein
MQW_00092-hypothetical protein
MQW_00093-XRE family transcriptional regulator
MQW_00094-peptide/nickel transport system protein
MQW_00095-hypothetical protein
MQW_00096-hypothetical protein
MQW_00097-glutathione transporter, permease component- Dipeptide transport system permease dppC
MQW_00098-RGD-containing lipoprotein peptide/nickel transport system protein
MQW_00100-hypothetical protein
JH1 CONTIG: 700000097160218
SaurJH1_0185-HsdR family type I site-specific deoxyribonuclease
SaurJH1_0186-hypothetical protein
SaurJH1_0187-hypothetical protein
SaurJH1_0188-ABC transporter related
SaurJH1_0189-hypothetical protein
SaurJH1_0190-hypothetical protein
SaurJH1_0191-hypothetical protein
SaurJH1_0192-hypothetical protein
SaurJH1_0193-ABC transporter related
SaurJH1_0194-hypothetical protein
SaurJH1_0195-helix-turn-helix domain-containing protein
SaurJH1_0196-ABC transporter related
SaurJH1_0197-binding-protein-dependent transport systems inner membrane component
SaurJH1_0198-binding-protein-dependent transport systems inner membrane component
SaurJH1_0199-RGD-containing lipoprotein
SaurJH1_0200-gamma-glutamyltransferase
JH9 CONTIG: 700000097160219
SaurJH9_0180-HsdR family type I site-specific deoxyribonuclease
SaurJH9_0181-hypothetical protein
SaurJH9_0182-membrane-fusion protein-like protein
SaurJH9_0183-ABC transporter related
SaurJH9_0184-hypothetical protein
SaurJH9_0185-hypothetical protein
SaurJH9_0186-hypothetical protein
SaurJH9_0187-hypothetical protein
SaurJH9_0188-ABC transporter related
SaurJH9_0189-XRE family transcriptional regulator
SaurJH9_0190-ABC transporter related
SaurJH9_0191-binding-protein-dependent transport systems inner membrane component
SaurJH9_0192-binding-protein-dependent transport systems inner membrane component
SaurJH9_0193-RGD-containing lipoprotein
SaurJH9_0194-gamma-glutamyltransferase
Mu3 CONTIG: 700000097160226
SAHV_0194-type I restriction enzyme restriction chain
SAHV_0195-hypothetical protein
SAHV_0196-hypothetical protein
SAHV_0197-hypothetical protein
SAHV_0198-hypothetical protein
SAHV_0199-hypothetical protein
SAHV_0200-hypothetical protein
SAHV_0201-hypothetical protein
SAHV_0202-hypothetical protein
SAHV_0203-hypothetical protein
SAHV_0204-oligopeptide transport ATP-binding protein
SAHV_0205-hypothetical protein
SAHV_0206-hypothetical protein
SAHV_0207-RGD-containing lipoprotein
SAHV_0208-hypothetical protein
Mu50 CONTIG: 700000097160229
SAV0195-type I restriction enzyme restriction chain
SAV0196-hypothetical protein
SAV0197-hypothetical protein
SAV0198-ABC transporter ATP-binding protein
SAV0199-SA0193Bacl-like protein
SAV0200-hypothetical protein
SAV0201-hypothetical protein
SAV0202-hypothetical protein
SAV0203-hypothetical protein
SAV0204-hypothetical protein
SAV0205-oligopeptide transport ATP-binding protein
SAV0206-hypothetical protein
SAV0207-hypothetical protein
SAV0208-RGD-containing lipoprotein
SAV0209-gamma-glutamyltranspeptidase precursor
N315 CONTIG: 700000097160230
SA0189-type I restriction enzyme restriction chain
SA0190-hypothetical protein
SA0191-hypothetical protein
SA0192-hypothetical protein
SA0193-hypothetical protein
SA0194-hypothetical protein
SA0195-hypothetical protein
SA0196-hypothetical protein
SA0197-hypothetical protein
SAS006-hypothetical protein
SA0198-oligopeptide transport ATP-binding protein
SA0199-hypothetical protein
SA0200-hypothetical protein
SA0201-RGD-containing lipoprotein
SA0202-hypothetical protein
ED98 CONTIG: 700000072114144
SAAV_0163-type I restriction-modification enzyme, R subunit
SAAV_0164-conserved hypothetical protein
SAAV_0165-putative RND family efflux transporter
SAAV_0166-ABC transporter, permease protein
SAAV_0167-conserved hypothetical protein
SAAV_0168-conserved hypothetical protein
SAAV_0169-conserved hypothetical protein
SAAV_0170-putative ABC transporter, ATP-binding protein
SAAV_0171-peptide ABC transporter, ATP-binding protein
SAAV_0172-peptide ABC transporter, permease protein
SAAV_0173-peptide ABC transporter, permease protein
SAAV_0174-RGD-containing lipoprotein
SAAV_0175-gamma-glutamyltranspeptidase
MSSA476 CONTIG: 700000097160224
SAS0170-putative type I restriction enzyme
SAS0171-hypothetical protein
SAS0172-hypothetical protein
SAS0173-ABC transporter, ATP-binding protein
SAS0174-putative permease protein
SAS0175-hypothetical protein
SAS0176-hypothetical protein
SAS0177-hypothetical protein
SAS0178-ATP-binding transport protein
SAS0179-hypothetical protein
SAS0180-hypothetical protein
SAS0181-ABC transporter ATP-binding protein
SAS0182-putative transport system permease
SAS0183-putative transport system permease
SAS0184-RGD-containing lipoprotein
SAS0185-putative gamma-glutamyltranspeptidase
MW2 CONTIG: 700000097160225
MW0169-type I restriction enzyme restriction chain
MW0170-hypothetical protein
MW0171-hypothetical protein
MW0172-hypothetical protein
MW0173-hypothetical protein
MW0174-hypothetical protein
MW0175-hypothetical protein
MW0176-hypothetical protein
MW0177-hypothetical protein
MW0178-hypothetical protein
MW0179-hypothetical protein
MW0180-hypothetical protein
MW0181-oligopeptide transport ATP-binding protein
MW0182-hypothetical protein
MW0183-hypothetical protein
MW0184-RGD-containing lipoprotein
MW0185-hypothetical protein
COL CONTIG: 700000097160217
SACOL0180-type I restriction-modification enzyme, R subunit
SACOL0181-hypothetical protein
SACOL0182-hypothetical protein
SACOL0183-hypothetical protein
SACOL0184-peptide ABC transporter, ATP-binding protein
SACOL0185-peptide ABC transporter, permease protein
SACOL0186-peptide ABC transporter, permease protein
SACOL0187-RGD-containing lipoprotein
SACOL0188-gamma-glutamyltranspeptidase
Newman CONTIG: 700000097160235
NWMN_0139-type I restriction-modification system restriction endonuclease subunit
NWMN_0140-hypothetical protein
NWMN_0141-hypothetical protein
NWMN_0142-hypothetical protein
NWMN_0143-oligopeptide ABC transporter, ATP-binding protein
NWMN_0144-oligopeptide ABC transporter, permease protein
NWMN_0145-peptide ABC transporter, permease protein
NWMN_0146-RGD-containing lipoprotein
NWMN_0147-hypothetical protein
NCTC_8325 CONTIG: 700000097160231
SAOUHSC_00162-HsdR family type I site-specific deoxyribonuclease
SAOUHSC_00163-hypothetical protein
SAOUHSC_00164-hypothetical protein
SAOUHSC_00165-hypothetical protein
SAOUHSC_00167-peptide ABC transporter, ATP-binding protein, putative
SAOUHSC_00168-hypothetical protein
SAOUHSC_00169-peptide ABC transporter, permease protein, putative
SAOUHSC_00170-RGD-containing lipoprotein
SAOUHSC_00171-gamma-glutamyltranspeptidase, putative
USA300_TCH1516 CONTIG: 700000178138011
USA300HOU_0208-type I site-specific deoxyribonuclease restriction subunit
USA300HOU_0209-hypothetical protein
USA300HOU_0210-hypothetical protein
USA300HOU_0211-hypothetical protein
USA300HOU_0212-oligopeptide ABC superfamily ATP binding cassette transporter, ABC protein
USA300HOU_0213-oligopeptide ABC superfamily ATP binding cassette transporter, membrane protein
USA300HOU_0214-oligopeptide ABC superfamily ATP binding cassette transporter, membrane protein
USA300HOU_0215-RGD domain lipoprotein
USA300HOU_0216-T3 family gamma-glutamyltransferase
USA300_FPR3757 CONTIG: 700000178138014
SAUSA300_0196-type I restriction-modification enzyme, R subunit
SAUSA300_0197-conserved hypothetical protein
SAUSA300_0198-conserved hypothetical protein
SAUSA300_0199-conserved hypothetical protein
SAUSA300_0200-peptide ABC transporter, ATP-binding protein
SAUSA300_0201-peptide ABC transporter, permease protein
SAUSA300_0202-peptide ABC transporter, permease protein
SAUSA300_0203-putative lipoprotein
SAUSA300_0204-gamma-glutamyltranspeptidase
TW20_0582 CONTIG: 700000178222069
SATW20_02050-putative type I restriction enzyme
SATW20_02060-hypothetical protein
SATW20_02070-ABC transporter ATP-binding protein
SATW20_02080-putative transport system permease
SATW20_02090-putative transport system permease
SATW20_02100-RGD-containing lipoprotein
SATW20_02110-putative gamma-glutamyltranspeptidase
EMRSA15 CONTIG: 700000178222072
SAEMRSA15_01600
SAEMRSA15_01610
SAEMRSA15_01620
SAEMRSA15_01630
SAEMRSA15_01640
SAEMRSA15_01650
SAEMRSA15_01660
SAEMRSA15_01670
SAEMRSA15_01680
ST398_S0385 CONTIG: 700000178213650
SAPIG0213-type I site-specific deoxyribonuclease, HsdR family subfamily, putative
SAPIG0214-conserved hypothetical protein
SAPIG0215-glutathione import ATP-binding protein GsiA
SAPIG0216-oligopeptide ABC transporter permease protein
SAPIG0217-oligopeptide ABC transporter
SAPIG0218-RGD-containing lipoprotein
SAPIG0219-gamma-glutamyltranspeptidase
MRSA252 CONTIG: 700000097160223
SAR0196-putative type I restriction enzyme
SAR0197-hypothetical protein
SAR0198-ABC transporter ATP-binding protein
SAR0199-putative transport system permease
SAR0200-putative transport system permease
SAR0201-RGD-containing lipoprotein
SAR0202-putative gamma-glutamyltranspeptidase
LGA251 CONTIG: 700000178222074
SARLGA251_01660
SARLGA251_01670
SARLGA251_01680
SARLGA251_01690
SARLGA251_01700
SARLGA251_01710
SARLGA251_01720
SARLGA251_01730
SARLGA251_01740
RF122 CONTIG: 700000097160216
SAB0135-type I restriction enzyme restriction chain
SAB0136-hypothetical protein
SAB0137-hypothetical protein
SAB0138-ABC transporter ATP-binding protein
SAB0139-ABC transporter ATP-binding protein
SAB0140-hypothetical protein
SAB0141-hypothetical protein
SAB0142-hypothetical protein
SAB0143-ABC transporter ATP-binding protein
SAB0145-oligopeptide ABC transporter permease protein
SAB0146-oligopeptide ABC transporter
SAB0147-RGD-containing lipoprotein
SAB0148-gamma-glutamyltranspeptidase


VRS1 CONTIG: 7000000184422998
MQA_00232-hypothetical protein
MQA_00233-hypothetical protein
MQA_00234-hypothetical protein
MQA_00235-hypothetical protein
MQA_00236-hypothetical protein
MQA_00237-hypothetical protein
MQA_00238-1,4-dihydroxy-2-naphthoate octaprenyltransferase
MQA_00239-isochorismate synthase
MQA_00240-2-succinyl-5-enolpyruvyl-6-hydroxy-3-cyclohexene-1-carboxylate synthase
MQA_00241-2-succinyl-6-hydroxy-2,4-cyclohexadiene-1-carboxylate synthase
MQA_00242-1,4-Dihydroxy-2-naphthoyl-CoA synthase
VRS2 CONTIG: 7000000184423042
MQC_00932-hypothetical protein
MQC_00933-hypothetical protein
MQC_00934-hypothetical protein
MQC_00935-hypothetical protein
MQC_00936-hypothetical protein
MQC_00937-hypothetical protein
MQC_00938-1,4-dihydroxy-2-naphthoate octaprenyltransferase
MQC_00939-isochorismate synthase
MQC_00940-2-succinyl-5-enolpyruvyl-6-hydroxy-3-cyclohexene-1-carboxylate synthase
MQC_00941-2-succinyl-6-hydroxy-2,4-cyclohexadiene-1-carboxylate synthase
MQC_00942-1,4-Dihydroxy-2-naphthoyl-CoA synthase
VRS3a CONTIG: 7000000184423147
MQE_01790-hypothetical protein
MQE_01791-hypothetical protein
MQE_01792-hypothetical protein
MQE_01793-hypothetical protein
MQE_01794-hypothetical protein
MQE_01795-hypothetical protein
MQE_01796-1,4-dihydroxy-2-naphthoate octaprenyltransferase
MQE_01797-isochorismate synthase
MQE_01798-2-succinyl-5-enolpyruvyl-6-hydroxy-3-cyclohexene-1-carboxylate synthase
MQE_01799-2-succinyl-6-hydroxy-2,4-cyclohexadiene-1-carboxylate synthase
MQE_01800-1,4-Dihydroxy-2-naphthoyl-CoA synthase
VRS4 CONTIG: 7000000184423249
MQG_00453-hypothetical protein
MQG_00454-hypothetical protein
MQG_00455-hypothetical protein
MQG_00456-hypothetical protein
MQG_00457-hypothetical protein
MQG_00458-hypothetical protein
MQG_00459-1,4-dihydroxy-2-naphthoate octaprenyltransferase
MQG_00460-isochorismate synthase
MQG_00461-2-succinyl-5-enolpyruvyl-6-hydroxy-3-cyclohexene-1-carboxylate synthase
MQG_00462-2-succinyl-6-hydroxy-2,4-cyclohexadiene-1-carboxylate synthase
MQG_00463-1,4-Dihydroxy-2-naphthoyl-CoA synthase
VRS5 CONTIG: 7000000179151451
MQI_00857-hypothetical protein
MQI_00858-hypothetical protein
MQI_00859-hypothetical protein
MQI_00860-hypothetical protein
MQI_00861-hypothetical protein
MQI_00862-hypothetical protein
MQI_00863-hypothetical protein
MQI_00864-menaquinone-specific isochorismate synthase
MQI_00865-2-succinyl-5-enolpyruvyl-6-hydroxy-3-cyclohexene-1- carboxylate synthase
MQI_00866-hypothetical protein
MQI_00867-naphthoate synthase
VRS6 CONTIG: 7000000179151535
MQK_00369-hypothetical protein
MQK_00370-hypothetical protein
MQK_00371-hypothetical protein
MQK_00372-hypothetical protein
MQK_00373-hypothetical protein
MQK_00374-hypothetical protein
MQK_00375-hypothetical protein
MQK_00376-menaquinone-specific isochorismate synthase
MQK_00377-2-succinyl-5-enolpyruvyl-6-hydroxy-3-cyclohexene-1- carboxylate synthase
MQK_00378-hypothetical protein
MQK_00379-naphthoate synthase
VRS7 CONTIG: 7000000184450930
MQM_00555-hypothetical protein
MQM_00556-hypothetical protein
MQM_00557-hypothetical protein
MQM_00558-hypothetical protein
MQM_00559-hypothetical protein
MQM_00560-hypothetical protein
MQM_00561-1,4-dihydroxy-2-naphthoate octaprenyltransferase
MQM_00562-isochorismate synthase
MQM_00563-2-succinyl-5-enolpyruvyl-6-hydroxy-3-cyclohexene-1-carboxylate synthase
MQM_00564-2-succinyl-6-hydroxy-2,4-cyclohexadiene-1-carboxylate synthase
MQM_00565-1,4-Dihydroxy-2-naphthoyl-CoA synthase
VRS8 CONTIG: 7000000179151655
MQO_00649-hypothetical protein
MQO_00650-hypothetical protein
MQO_00651-hypothetical protein
MQO_00652-hypothetical protein
MQO_00653-hypothetical protein
MQO_00654-hypothetical protein
MQO_00655-hypothetical protein
MQO_00656-menaquinone-specific isochorismate synthase
MQO_00657-2-succinyl-5-enolpyruvyl-6-hydroxy-3-cyclohexene-1- carboxylate synthase
MQO_00658-hypothetical protein
MQO_00659-naphthoate synthase
VRS9 CONTIG: 7000000179151821
MQQ_00578-hypothetical protein
MQQ_00579-hypothetical protein
MQQ_00580-hypothetical protein
MQQ_00581-hypothetical protein
MQQ_00582-hypothetical protein
MQQ_00583-hypothetical protein
MQQ_00584-hypothetical protein
MQQ_00585-menaquinone-specific isochorismate synthase
MQQ_00586-2-succinyl-5-enolpyruvyl-6-hydroxy-3-cyclohexene-1- carboxylate synthase
MQQ_00587-hypothetical protein
MQQ_00588-naphthoate synthase
VRS10 CONTIG: 7000000179151927
MQS_01421-hypothetical protein
MQS_01422-hypothetical protein
MQS_01423-hypothetical protein
MQS_01424-hypothetical protein
MQS_01425-hypothetical protein
MQS_01426-hypothetical protein
MQS_01427-hypothetical protein
MQS_01428-menaquinone-specific isochorismate synthase
MQS_01429-2-succinyl-5-enolpyruvyl-6-hydroxy-3-cyclohexene-1- carboxylate synthase
MQS_01430-hypothetical protein
MQS_01431-naphthoate synthase
VRS11a CONTIG: 7000000179151972
MQU_01298-hypothetical protein
MQU_01299-hypothetical protein
MQU_01300-hypothetical protein
MQU_01301-hypothetical protein
MQU_01302-hypothetical protein
MQU_01303-hypothetical protein
MQU_01304-hypothetical protein
MQU_01305-menaquinone-specific isochorismate synthase
MQU_01306-2-succinyl-5-enolpyruvyl-6-hydroxy-3-cyclohexene-1- carboxylate synthase
MQU_01307-hypothetical protein
MQU_01308-naphthoate synthase
VRS11b CONTIG: 7000000179152027
MQW_01578-hypothetical protein
MQW_01579-hypothetical protein
MQW_01580-hypothetical protein
MQW_01581-hypothetical protein
MQW_01582-hypothetical protein
MQW_01583-hypothetical protein
MQW_01584-hypothetical protein
MQW_01585-menaquinone-specific isochorismate synthase
MQW_01586-2-succinyl-5-enolpyruvyl-6-hydroxy-3-cyclohexene-1- carboxylate synthase
MQW_01587-hypothetical protein
MQW_01588-naphthoate synthase
JH1 CONTIG: 7000000097160218
SaurJH1_1116-hypothetical protein
SaurJH1_1118-DoxX family protein
SaurJH1_1119-periplasmic binding protein
SaurJH1_1120-hypothetical protein
SaurJH1_1121-TM2 domain-containing protein
SaurJH1_1122-hypothetical protein
SaurJH1_1123-1,4-dihydroxy-2-naphthoate octaprenyltransferase
SaurJH1_1124-isochorismate synthase
SaurJH1_1125-2-succinyl-6-hydroxy-2, 4-cyclohexadiene-1-carboxylic acid synthase/2-oxoglutarate decarboxylase
SaurJH1_1126-alpha/beta hydrolase fold
SaurJH1_1127-naphthoate synthase
JH9 CONTIG: 7000000097160219
SaurJH9_1094-hypothetical protein
SaurJH9_1095-hypothetical protein
SaurJH9_1096-DoxX family protein
SaurJH9_1097-periplasmic binding protein
SaurJH9_1098-TM2 domain-containing protein
SaurJH9_1099-hypothetical protein
SaurJH9_1100-1,4-dihydroxy-2-naphthoate octaprenyltransferase
SaurJH9_1101-isochorismate synthase
SaurJH9_1102-2-succinyl-6-hydroxy-2, 4-cyclohexadiene-1-carboxylic acid synthase/2-oxoglutarate decarboxylase
SaurJH9_1103-alpha/beta hydrolase fold
SaurJH9_1104-naphthoate synthase
MuJ3 CONTIG: 7000000097160226
SAHV_1029-hypothetical protein
SAHV_1030-hypothetical protein
SAHV_1031-hypothetical protein
SAHV_1032-hypothetical protein
SAHV_1033-hypothetical protein
SAHV_1034-1,4-dihydroxy-2-naphthoate octaprenyltransferase
SAHV_1035-hypothetical protein
SAHV_1036-menaquinone biosynthesis protein
SAHV_1037-hypothetical protein
SAHV_1038-naphthoate synthase
Mu50 CONTIG: 7000000097160229
SAV1036-hypothetical protein
SAV1037-hypothetical protein
SAV1038-ferrichrome ABC transporter
SAV1039-hypothetical protein
SAV1040-hypothetical protein
SAV1041-1,4-dihydroxy-2-naphthoate octaprenyltransferase
SAV1042-putative menaquinone-specific isochorismate
SAV1043-menaquinone biosynthesis protein
SAV1044-prolyl aminopeptidase
SAV1045-naphthoate synthase
N315 CONTIG: 7000000097160230
SA0889-hypothetical protein
SA0890-hypothetical protein
SA0891-hypothetical protein
SA0892-hypothetical protein
SA0893-hypothetical protein
SA0894-1,4-dihydroxy-2-naphthoate octaprenyltransferase
SA0895-hypothetical protein
SA0896-menaquinone biosynthesis protein
SA0897-hypothetical protein
SA0898-naphthoate synthase
ED98 CONTIG: 7000000172114144
SAAV_0998-hypothetical protein
SAAV_0999-putative glycosyl transferase
SAAV_1000-hypothetical protein
SAAV_1001-iron compound ABC transporter, iron compound-binding protein
SAAV_1002-hypothetical protein
SAAV_1003-conserved hypothetical protein
SAAV_1004-acetyltransferase
SAAV_1005-1,4-dihydroxy-2-naphthoate octaprenyltransferase
SAAV_1006-isochorismate synthase family protein
SAAV_1007-2-succinyl-6-hydroxy-2, 4-cyclohexadiene-1-carboxylic acid synthase
SAAV_1008-alpha/beta fold family hydrolase
SAAV_1009-naphthoate synthase
MSSA476 CONTIG: 7000000097160224
SAS0969-hypothetical protein
SAS0970-hypothetical protein
SAS0971-putative glycosyl transferase
SAS0972-hypothetical protein
SAS0973-transport system extracellular binding lipoprotein
SAS0974-hypothetical protein
SAS0975-hypothetical protein
SAS0976-hypothetical protein
SAS0977-1,4-dihydroxy-2-naphthoate octaprenyltransferase
SAS0978-putative chorismate binding enzyme
SAS0979-putative menaquinone biosynthesis bifunctional protein
SAS0980-putative hydrolase
SAS0981-naphthoate synthase
MW2 CONTIG: 7000000097160225
MW0917-hypothetical protein
MW0918-hypothetical protein
MW0919-hypothetical protein
MW0920-hypothetical protein
MW0921-hypothetical protein
MW0922-hypothetical protein
MW0923-hypothetical protein
MW0924-hypothetical protein
MW0925-1,4-dihydroxy-2-naphthoate octaprenyltransferase
MW0926-hypothetical protein
MW0927-menaquinone biosynthesis protein
MW0928-hypothetical protein
MW0929-naphthoate synthase
COL CONTIG: 7000000097160217
SACOL1041-hypothetical protein
SACOL1042-hypothetical protein
SACOL1043-glycosyl transferase, group 1 family protein
SACOL1044-hypothetical protein
SACOL1045-iron compound ABC transporter, iron compound-binding protein
SACOL1046-hypothetical protein
SACOL1047-hypothetical protein
SACOL1048-acetyltransferase
SACOL1049-1,4-dihydroxy-2-naphthoate octaprenyltransferase
SACOL1050-hypothetical protein
SACOL1051-isochorismate synthase family protein
SACOL1052-2-succinyl-6-hydroxy-2, 4-cyclohexadiene-1-carboxylic acid synthase/2-oxoglutarate decarboxylase
SACOL1053-alpha/beta fold family hydrolase
SACOL1054-naphthoate synthase
Newman CONTIG: 7000000097160235
NWMN_0904-hypothetical protein
NWMN_0905-hypothetical protein
NWMN_0906-glycosyl transferase, group 1 family protein
NWMN_0907-hypothetical protein
NWMN_0908-hypothetical protein
NWMN_0909-hypothetical protein
NWMN_0910-hypothetical protein
NWMN_0911-1,4-dihydroxy-2-naphthoate octaprenyltransferase
NWMN_0912-hypothetical protein
NWMN_0913-2-succinyl-6-hydroxy-2,4-cyclohexadiene-1- carboxylic acid synthase
NWMN_0914-hypothetical protein
NWMN_0915-naphthoate synthase
NCTC_8325 CONTIG: 7000000097160231
SAOUHSC_00971-hypothetical protein
SAOUHSC_00972-hypothetical protein
SAOUHSC_00973-hypothetical protein
SAOUHSC_00974-glycosyl transferase, group 1
SAOUHSC_00975-hypothetical protein
SAOUHSC_00976-hypothetical protein
SAOUHSC_00977-hypothetical protein
SAOUHSC_00978-hypothetical protein
SAOUHSC_00979-hypothetical protein
SAOUHSC_00980-1,4-dihydroxy-2-naphthoate octaprenyltransferase
SAOUHSC_00981-hypothetical protein
SAOUHSC_00982-hypothetical protein
SAOUHSC_00983-2-succinyl-6-hydroxy-2, 4-cyclohexadiene-1-carboxylic acid synthase/2-oxoglutarate decarboxylase
SAOUHSC_00984-hypothetical protein
SAOUHSC_00985-naphthoate synthase
USA300_TCH1516 CONTIG: 7000000178138011
USA300HOU_0984-glycosyltransferase
USA300HOU_0985-possible iron (Fe3+) ABC superfamily ATP binding cassette transporter, binding protein
USA300HOU_0986-hypothetical protein
USA300HOU_0987-hypothetical protein
USA300HOU_0988-hypothetical protein
USA300HOU_0989-1,4-dihydroxy-2-naphthoate octaprenyltransferase
USA300HOU_0990-isochorismate synthase
USA300HOU_0991-2-oxoglutarate decarboxylase
USA300HOU_0992-S33 family peptidase
USA300HOU_0993-naphthoate synthase
USA300_FPR3757 CONTIG: 7000000178138014
SAUSA300_0937-conserved hypothetical protein
SAUSA300_0938-conserved hypothetical protein
SAUSA300_0939-glycosyl transferase, group 1 family protein
SAUSA300_0940-conserved hypothetical protein
SAUSA300_0941-putative ferrichrome ABC transporter
SAUSA300_0942-conserved hypothetical protein
SAUSA300_0943-acetyltransferase, GNAT family family
SAUSA300_0944-1,4-dihydroxy-2-naphthoate octaprenyltransferase
SAUSA300_0945-isochorismate synthase family protein
SAUSA300_0946-2-succinyl-6-hydroxy-2, 4-cyclohexadiene-1-carboxylic acid synthase/2-oxoglutarate decarboxylase
SAUSA300_0947-hydrolase, alpha/beta hydrolase fold family
SAUSA300_0948-naphthoate synthase
TW20_0582 CONTIG: 7000000178222069
SATW20_10310-hypothetical protein
SATW20_10320-putative glycosyl transferases
SATW20_10330-putative membrane protein
SATW20_10340-transport system extracellular binding lipoprotein
SATW20_10350-hypothetical protein
SATW20_10360-putative membrane protein
SATW20_10370-acetyltransferase (GNAT) family protein
SATW20_10380-UbiA prenyltransferase family protein
SATW20_10390-putative chorismate binding enzyme
SATW20_10400-putative menaquinone biosynthesis bifunctionalprotein
SATW20_10410-putative hydrolase
SATW20_10420-putative naphthoate synthase
EMRSA15 CONTIG: 7000000178222072
SAEMRSA15_08670
SAEMRSA15_08680
SAEMRSA15_08690
SAEMRSA15_08700
SAEMRSA15_08710
SAEMRSA15_08720
SAEMRSA15_08730
SAEMRSA15_08740
SAEMRSA15_08750
SAEMRSA15_08760
SAEMRSA15_08770
ST398_S0385 CONTIG: 7000000178213650
SAPIG1032-conserved hypothetical protein
SAPIG1033-glycosyl transferase, group 1
SAPIG1034-DoxX family protein
SAPIG1035-transport system extracellular binding lipoprotein
SAPIG1036-conserved hypothetical protein
SAPIG1037-TM2 domain containing protein+B7201
SAPIG1038-acetyltransferase
SAPIG1039-1,4-dihydroxy-2-naphthoate octaprenyltransferase
SAPIG1040-isochorismate synthase family protein
SAPIG1041-2-succinyl-6-hydroxy-2, 4-cyclohexadiene-1-carboxylic acid synthase/2-oxoglutarate decarboxylase
SAPIG1042-hydrolase, alpha/beta hydrolase fold family
SAPIG1043-naphthoate synthase
MRSA252 CONTIG: 7000000097160223
SAR1005-hypothetical protein
SAR1006-hypothetical protein
SAR1007-hypothetical protein
SAR1010-hypothetical protein
SAR1011-transport system extracellular binding lipoprotein
SAR1012-hypothetical protein
SAR1013-hypothetical protein
SAR1014-hypothetical protein
SAR1015-1,4-dihydroxy-2-naphthoate octaprenyltransferase
SAR1016-putative chorismate binding enzyme
SAR1017-putative menaquinone biosynthesis bifunctional protein
SAR1018-putative hydrolase
SAR1019-naphthoate synthase
LGA251 CONTIG: 7000000178222074
SARLGA251_09490
SARLGA251_09500
SARLGA251_09510
SARLGA251_09520
SARLGA251_09530
SARLGA251_09540
SARLGA251_09550
SARLGA251_09560
SARLGA251_09570
SARLGA251_09580
SARLGA251_09590
SARLGA251_09600
RF122 CONTIG: 7000000097160216
SAB0899c-hypothetical protein
SAB0900-hypothetical protein
SAB0901-glycosyl transferase
SAB0902c-transposase
SAB0903c-hypothetical protein
SAB0904-iron transport protein
SAB0905-iron transport protein
SAB0906c-hypothetical protein
SAB0907-hypothetical protein
SAB0908c-1,4-dihydroxy-2-naphthoate octaprenyltransferase
SAB0909-menaquinone-specific isochorismate synthase
SAB0910-2-oxoglutarate decarboxylase
SAB0911-hydrolase
SAB0912-naphthoate synthase