S. mutans virulence factors
tractability
modelable
druggable
phylogenetic profiles
target proteomes
antitarget proteomes
protein similarity
(matching HMM columns / length of protein)
proteins by functional similarity
metabolism
sugar uptake
nutrient uptake
energy storage
acid production
acid tolerance
attachment
glucan production
glucan attachment
other attach
coordination
quorum sensing
lantibiotics
lantibiotic regulation
multiple sugar-binding Q00749
MS transport ATP-binding Q00752
ATP-binding transporter P72477
fructose phosphotransferase IIABC Q8DUN3
fructose phosphotransferase IIBC Q8DWE7
fructose phosphotransferase IIA Q8DWE6
isocitrate dehydrogenase Q59940
acetylornithine aminotransferase Q59928
purine nucleoside phosphorylase Q8DTU4
glycogen synthase Q8CWX0
Glu1-PO4 adenylyltransferase Q8DT53
beta-glucosidase Q8DUE7
endoglucanase Q8CVC4
lactate dehydrogenase P26283
phosphocarrier protein HPr P45596
PEP-phosphotransferase P45595
proton/lactic acid pump P50976
lactose-specific PO4-transferase P26426
N'N' DCHC-sensitive ATPase P95783
signal recognition particle Q54431
formyltetrahydrofolate ligase Q59925
panthothenate flavoprotein Q8DU74
malolactic fermentation reg Q8DWC9
DNA-dir RNA polymerase Q8DWG2
glycogen phosphorylase Q8DT55
phosphorylase Q8DT31
sucrose phosphorylase P10249
GTF-I 1,3α-branch P08987
glucosyltransferase-SI P13470
glucosyltransferase-S P49331
1,4α-glucan branching Q8DT52
dextran glucosidase Q99040
glucan-binding protein A Q8DRV2
secr peptidoglycan hydrolase Q8DWM3
glucan-binding protein C Q8DTF1
BglB-like Gbp with lipase Q8DUW9
GbpC response regulator Q9S151
major cell-surface adhesin P11657
cell surface antigen I/II P23504
collagen-binding adhesin Q76H84
amylase-binding protein A A8AZZ3
amylase-binding protein B A8AUM3
ATP-binding transporter Q8DW05
competence histidine kinase Q8DS94
competence transcriptional reg Q8DS39
biofilm regulatory protein A Q8DVR0
response regulator of BrpA-1 Q8DVJ9
response regulator of BrpA-2 Q8DVJ8
lantibiotic mutacin II O54329
lantibiotic mutacin 1140 O68586
lantibiotic mutacin M Q7BV70
lantibiotic mutacin B-Ny266 P80666
bacteriocin SmbA Q5TLL1
bacteriocin secretion protein Q8DSA3
bacteriocin peptide Q8CVC8
undecaprenol kinase Q05888
rRNA maturation factor Q8DSY7
mutacin 1140 modifying enzyme O68588
serine-threonine kinase PknB Q8DVK1
oxidative stress sensor kinase Q8DT64
collagenase Q8DUX4
H. sapiens
L. rhamnosus (ATCC-53103)
L. paracasei (ATCC-27092)
S. parasanguinis
S. sanguinis
S. salivarius
S. oralis
S. mitis (ATCC-6249)
S. mitis (SK597)
S. mitis (SK564)
S. mitis (SK321)
S. mitis (B6)
S. mitis (NCTC-2261)
V. parvula
B. longum (strain DJO10A)
B. dentium (ATCC-27534)
L. fermentum (CECT-5716)
L. fermentum (28-3-CHN)
L. fermentum (ATCC-14931)
L. fermentum (IFO-3956/LMG-18251)
L. salivarius subsp. salivarius (UCC118)
L. salivarius (ACS-116-V-Col5a)
L. salivarius (CECT-5713)
L. salivarius (ATCC-11741)
L. casei (BL23)
L. casei (Zhang)
L.casei (ATCC-334)
L. acidophilus
S. gordonii
S. mutans serotype c (NN2025)