a.
S. mutans PDBs
tractability
druggable
phylogenetic profiles
target proteomes
antitarget proteomes
Adhesin A3VP1 of AntigenI/II 3IOX
Glucosamine-6-phosphate deaminase 2RI1
Mn-dependent inorganic pyrophosphatase 1I74
Unknown function 1377c 3L7V
Isopropylmalate dehydratase 2HCU
V-region of antigen I/II 1JMM
Phosphatase/hydrolase 3L7Y
Phosphatase 1WVI
NADP-dependent GAPDH 2QE0
Unknown enzyme 3IJT
Dihydroorotate dehydrogenase 3OIX
Dextran glucosidase 2ZID
Dextran glucosidase 2ZIC
Peptide chain release factor 1ZBT
Tagatose 1,6-aldolase 3IV3
Carboxymuconolactone decarboxylase 3LVY
b. S. mutans proteins modelable druggable
UDP acetylglucosamine epimerase Q8DTB7
Phosphorylase Q8DT31
Trans enoyl ACP reductase Q8DSN4
Oligopeptide ABC transporter Q8DW25
Anthranilate phosphoribosyltransferase Q8DVF6
Periplasmic ferrichrome ABC transporter Q8DUD7
UDP acetylglucosamine carboxyvinyltransferase 1 Q8DT57
UDP acetylglucosamine carboxyvinyltransferase 2 Q8DT24
Adenylate kinase Q8DS33
D-alanine polyligase Q53526
dTDP-glucose dehydratase P95780
Dihydroorotate dehydrogenase Q8DTV0
Secreted translocase Q8DSJ6
β-galactosidase P50978
Imidazole carboxamide isomerase Q8DTR2
Acetoin dehydrogenase Q8DTL3
Bifunctional protein glmU Q8DSX2
Methionyl-tRNA synthetase Q8DSW8
Guanylate kinase Q8DVK6
Glycerol dehydrogenase Q8DVJ3
Phosphatase Q8DV60
α-acetolactate synthase Q8DTA6
Thiazole pyrodixine kinase Q8DSS7
Glutamyl-tRNA amidotransferase subA Q8DSG5
Bisphosphoglycerate mutase P59161
Manganese inorganic pyrophosphatase O68579
Surface protein I/II Q9RFI8
Response regulator Q8DVJ8
AdcA-like Zn adhesin lipoprotein Q8DTN1
Acetyltransferase Q8DSV5
DNA polymerase Q8DWN8
Imidazole glycerol-PO4 synthase Q8DTR3
SAM methyltransferase Q8DTH5
Glucanotransferase Q8DT30
tRNA thiouridylase Q8DRS4
30S ribosomal protein Q8DWB3
Dihydrodipicolinate synthase Q8DUE5
Pyrimidine-nucleoside phosphorylase Q8DU33
Orotidine 5'-phosphate decarboxylase Q8DTV1
Unknown hydrolase/phosphatase Q8DTS3
Maltose operon transcriptional repressor Q8DT29
Uracil phosphoribosyltransferase Q8DST6
ATP synthase P95789
Lactose phosphotransferase repressor P26422
Catabolite control protein O07329
ATP synthase A6PY32
Malolactic enzyme Q8DWC7
LytTr DNA-binding Q8DVZ8
Purine operon repressor Q8DVV6
Tryptophan synthase Q8DVF3
tRNA YrdC-modifier Q8DTG7
Isopropylmalate dehydratase Q8DTG5
Adenine phosphoribosyltransferase Q8DT95
Deoxycytidylate deaminase Q8DSE5
RNA-diphosphate reductase Q8DV42
Adenylate kinase Q8DTS0
Glycosyltransferase Q8DSH9
Anaerobic RNA-triphosphate reductase Q8DRY2
ATP-binding ABC transporter Q8DW32
dTDP keto rhamnose reductase Q8DUS5
ATP-binding ABC transporter Q8DTZ7
DTDP keto rhamnose reductase O33664
Homoserine succinyltransferase Q8DT96
Carbamoyl-phosphate synthase Q8DUP4
NADP-dependent GAPDH Q59931
Unique & uncharacterized Q8DTQ1
Tellurite resistance protein Q8DSW3
Ferrous ion transport protein Q8DVC3
Phosphopentomutase Q8DTU0
Transcription regulator Q8DTZ5
Chorismate mutase Q8DTP2
Phosphofructokinase Q8KWU0
Cysteine synthase Q8DVJ2
Glucan glucosidase Q99040
Histidine kinase Q8DT45
Citrate synthase Q59939
Dextran glucosidase Q2HWU5
Unknown hydrolase/phosphatase Q8DV06
Unknown hydrolase/phosphatase Q8DUY6
Tagatose diphosphate aldolase P26425
Amino acid aminotransferase Q8DWM1
Uracil-DNA glycosylase Q8DTV8
DNA damage sensor Q8DTC4
ATP synthase P95790
protein similarity
(matching HMM columns / length of protein)
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)