

Strain	TasA	TasB
<i>Alkaliphilus metalliredigenes</i> QYMF	ZP_00799280	ZP_00799279
<i>Anaeromyxobacter dehalogenans</i> 2CP-C	YP_466077	YP_466078
<i>Bacillus clausii</i> KSM-K16 (1)	YP_174516	YP_174517
<i>Bacillus thuringiensis</i> H1.1 plasmid pGI1	not annotated	NP_705750
<i>Bradyrhizobium</i> sp. BTai1	ZP_00863985	ZP_00863986
<i>Brucella abortus</i> 1 str. 9-941	YP_221320	YP_221319
<i>Brucella melitensis</i> 16M	NP_540292	NP_540293
<i>Brucella suis</i> 1330	NP_697574	NP_697573
<i>Burkholderia thailandensis</i> E264	not annotated	YP_442084
<i>Candidatus kueneia stuttgartiensis</i>	CAJ74863	CAJ74864
<i>Carboxydotherrmus hydrogenoformans</i> Z-2901 (1)	YP_359137	YP_359138
<i>Caulobacter crescentus</i> CB15	not annotated	NP_422157
<i>Chlorobium limicola</i> DSM 245	ZP_00512710	ZP_00512679
<i>Chlorobium phaeobacteroides</i> BS1	ZP_00530611	ZP_00530390
<i>Chlorobium phaeobacteroides</i> DSM 266	ZP_00530064	ZP_00530036
<i>Chlorobium tepidum</i> TLS	NP_661236	NP_661237
<i>Crocospaera watsonii</i> WH 8501	not annotated	ZP_00518660
<i>Enterococcus faecalis</i> V583	AAO80241	AAO80240
<i>Enterococcus faecium</i> DO (1)	ZP_00603841	ZP_00603842
<i>Enterococcus faecium</i> DO (2)	ZP_00605043	ZP_00605044
<i>Geobacillus kaustophilus</i> HTA426 (1)	YP_147698	YP_147699
<i>Gloeobacter violaceus</i> PCC 7421	NP_925680	NP_925681
<i>Gluconobacter oxydans</i> 621H plasmid pGOX2 (1)	not annotated	YP_190394
<i>Halothermothrix orenii</i> H 168	ZP_01189565	ZP_01189566
<i>Jannaschia</i> sp. CCS1	YP_511394	YP_511395
<i>Lactobacillus acidophilus</i> NCFM	YP_192967	YP_192968
<i>Lactobacillus gasseri</i> ATCC 33323 (1)	ZP_00046978	ZP_00046979
<i>Mesorhizobium</i> sp. BNC1	ZP_00614863	ZP_00614862
<i>Nitrosomonas europaea</i> ATCC 19718 (1)	not annotated	NP_842442
<i>Nitrosomonas europaea</i> ATCC 19718 (2)	not annotated	NP_841317
<i>Nostoc punctiforme</i> PCC 73102	not annotated	ZP_00111802
<i>Oceanicola batensis</i> HTCC2597	ZP_01000654	ZP_01000653
<i>Parachlamydia</i> sp. UWE25 (1)	YP_008021	YP_008020
<i>Parachlamydia</i> sp. UWE25 (2)	YP_008456	YP_008455
<i>Pelodictyon phaeoclathratiforme</i> BU-1	not annotated	ZP_00588413
<i>Polaromonas naphthalenivorans</i> CJ2	ZP_01020881	ZP_01020880
<i>Prosthecochloris aestuarii</i> DSM 271	ZP_00591716	ZP_00591629
<i>Rhodobacter sphaeroides</i> ATCC 17025 (1)	ZP_00912800	ZP_00912801
<i>Rhodobacter sphaeroides</i> ATCC 17025 (2)	ZP_00912210	ZP_00912211
<i>Rhodoferrax ferrireducens</i> DSM 15236	YP_524645	YP_524644
<i>Rhodopseudomonas palustris</i> BisB18	YP_533817	YP_533816
<i>Rhodopseudomonas palustris</i> BisB5	YP_568550	YP_568551
<i>Rhodopseudomonas palustris</i> HaA2	YP_485053	YP_485054
<i>Rhodospirillum rubrum</i> ATCC 11170	YP_425070	YP_425071
<i>Salinibacter ruber</i> DSM 13855	YP_446906	YP_446907
<i>Solibacter usitatus</i> Ellin6076	ZP_00525003	ZP_00525004
<i>Staphylococcus epidermidis</i> RP62A	not annotated	YP_189114
<i>Streptococcus pneumoniae</i> TIGR4 (1)	AAK75015	AAK75016
<i>Streptococcus pneumoniae</i> TIGR4 (2)	ZP_00402572	ZP_00402571
<i>Synechococcus</i> sp. RS9917 (1)	not annotated	ZP_01081289
<i>Syntrophomonas wolfei</i> Goettingen (1)	not annotated	ZP_00664116
<i>Xanthobacter autotrophicus</i> Py2	ZP_01196919	ZP_01196918
<i>Xanthomonas axonopodis citri</i> 306 (1)	NP_641531	NP_641530
<i>Xanthomonas campestris vesicatoria</i> 85-10	YP_362953	YP_362952
<i>Xanthomonas oryzae</i> KACC10331	YP_202082	YP_202083
<i>Xanthomonas oryzae</i> MAFF 311018	YP_452272	YP_452273

Strain	TasA	Toxin
<i>Archaeoglobus fulgidus</i> DSM 4304 (1)	NP_071181	NP_071182
<i>Archaeoglobus fulgidus</i> DSM 4304 (2)	NP_070184	not found
<i>Bacillus anthracis</i> A2012	ZP_00390473	not found
<i>Bacillus anthracis</i> Ames	NP_842622	not found
<i>Bacillus anthracis</i> Ames Ancestor	YP_016656	not found
<i>Bacillus anthracis</i> Sterne	YP_026340	not found
<i>Bacillus cereus</i> ATCC 14579	AAPO7157	not found
<i>Bacillus cereus</i> cytotoxis NVH 391-98	ZP_01180954	not found
<i>Bacillus cereus</i> G9241	ZP_00240570	not found
<i>Bacillus clausii</i> KSM-K16 (2)	YP_173562	not found
<i>Bacillus clausii</i> KSM-K16 (3)	YP_173588	not found
<i>Bacillus halodurans</i> C-125 (1)	BAB07439	BAB07440
<i>Bacillus halodurans</i> C-125 (2)	BAB03769	not found
<i>Bacillus halodurans</i> C-125 (3)	BAB03789	not found
<i>Bacillus licheniformis</i> ATCC 14580	YP_077342	not found
<i>Bacillus</i> sp. NRRL B-14911	ZP_01173381	not found
<i>Bacillus subtilis subtilis</i> 168	NP_387937	not found
<i>Bacillus thuringiensis israelensis</i> ATCC 35646	ZP_00739702	not found
<i>Bacillus thuringiensis</i> konkukian 97-27	YP_034407	not found
<i>Bacillus weihenstephanensis</i> KBAB4	ZP_01185739	not found
<i>Carboxydotherrmus hydrogenoformans</i> Z-2901 (2)	YP_359074	not found
<i>Carboxydotherrmus hydrogenoformans</i> Z-2901 (3)	YP_361415	not found
<i>Clostridium acetobutylicum</i> ATCC 824 (1)	AAK79903	AAK79902
<i>Clostridium acetobutylicum</i> ATCC 824 (2)	AAK81571	not found
<i>Clostridium acetobutylicum</i> ATCC 824 (3)	AAK81150	not found
<i>Clostridium beijerincki</i> NCIMB 8052	ZP_00909394	not found
<i>Clostridium difficile</i> QCD-32g58	ZP_01229320	not found
<i>Clostridium perfringens</i> 13	BAB82188	not found
<i>Clostridium tetani</i> E88 (1)	AAO34845	not found
<i>Clostridium thermocellum</i> ATCC 27405	ZP_00503889	not found
<i>Desulfotobacterium hafniense</i> DCB-2 (1)	ZP_00558166	not found
<i>Desulfotomaculum reducens</i> MI-1	ZP_01150217	not found
<i>Escherichia coli</i> K12	NP_417263	NP_417262
<i>Escherichia coli</i> O157:H7	NP_311670	NP_311669
<i>Exiguobacterium sibiricum</i> . 255-15	ZP_00540026	not found
<i>Geobacillus kaustophilus</i> HTA426 (2)	YP_145902	not found
<i>Lactobacillus gasseri</i> (2)	ZP_00046120	not annotated
<i>Leptospira interrogans lai</i> 56601	AAO48979	AAO48980
<i>Moorella thermoacetica</i> ATCC 39073 (1)	YP_429877	YP_429878
<i>Moorella thermoacetica</i> ATCC 39073 (2)	YP_428965	not found
<i>Neisseria gonorrhoeae</i> FA 1090	AAW89255	AAW89254
<i>Oceanobacillus iheyensis</i> HTE831 (1)	NP_690966	not found
<i>Oceanobacillus iheyensis</i> HTE831 (2)	NP_690985	not found
<i>Photorhabdus luminescens laumondii</i> TTO1	NP_928264	NP_928265
<i>Pyrobaculum aerophilum</i> IM2	AAL64466	AAL64467
<i>Pyrococcus abyssi</i> GE5 (1)	CAB49684	CAB49685
<i>Pyrococcus abyssi</i> GE5 (2)	CAB49041	CAB49040
<i>Pyrococcus abyssi</i> GE5 (3)	CAB50135	not annotated
<i>Pyrococcus furiosus</i> DSM 3638	AAL80697	AAL80698
<i>Pyrococcus horikoshii</i> OT3	NP_142833	NP_877801
<i>Rhodobacter sphaeroides</i> 2.4.1	YP_345380	YP_345381
<i>Shewanella frigidimarina</i> NCIMB 400	ZP_00640688	not found
<i>Sulfolobus acidocaldarius</i> DSM 639	YP_256551	YP_256550
<i>Sulfolobus tokodaii</i> 7 (2)	BAB65748	BAB65747
<i>Sulfolobus tokodaii</i> 7 (3)	BAB65851	BAB65852
<i>Sulfolobus tokodaii</i> 7 (4)	BAB67093	not annotated
<i>Sulfolobus tokodaii</i> 7 (5)	NP_377538	NP_377539
<i>Symbiobacterium thermophilum</i> IAM 14863 (2)	YP_077060	not found
<i>Syntrophomonas wolfei</i> Goettingen (2)	EAO24116	not found
<i>Thermoanaerobacter ethanolicus</i> ATCC 33223	ZP_00779727	not found
<i>Thermoanaerobacter tengcongensis</i> MB4 (1)	NP_621806	not found
<i>Thermoanaerobacter tengcongensis</i> MB4 (2)	NP_624083	not found
<i>Thermococcus kodakarensis</i> KOD1 (1)	BAD84646	BAD84645
<i>Thermococcus kodakarensis</i> KOD1 (2)	BAD86450	BAD86451
<i>Thermococcus kodakarensis</i> KOD1 (3)	BAD86418	BAD86417
<i>Xanthomonas axonopodis citri</i> 306 (2)	AAM37041	AAM37040

Strain	Antitoxin	TasB
<i>Acinetobacter</i> sp. ED45-25 plasmid pKLH205	not annotated	CAD31053
<i>Aspergillus fumigatus</i> Af293	not found	EAL85381
<i>Azoarcus</i> sp. EBN1	YP_159142 (aa 1 to 202)	YP_159142 (aa 203 to 324)
<i>Bifidobacterium longum</i> DJO10A	not found	ZP_00120313
<i>Caldicellulosiruptor saccharolyticus</i> DSM 8903	not annotated	ZP_00886106
<i>Campylobacter jejuni</i> TGH 9011	not annotated	AAS99045
<i>Campylobacter jejuni</i> RM1221	YP_179094	YP_179093
<i>Chloroflexus aurantiacus</i> J-10-fl	ZP_00766209	ZP_00766208
<i>Clostridium tetani</i> E88 (2)	not annotated	NP_782506
<i>Corynebacterium diphtheriae</i> NCTC 13129	not annotated	NP_939161
<i>delta proteobacterium</i> MLMS-1 (1)	ZP_01289550	ZP_01289540
<i>delta proteobacterium</i> MLMS-1 (2)	ZP_01290092	ZP_01290084
<i>Desulfotobacterium hafniense</i> DCB-2 (2)	not annotated	not annotated
<i>Desulfotobacterium hafniense</i> Y51	not annotated	YP_516864
<i>Enterobacteria</i> phage P1	YP_006570	YP_006571
<i>Erwinia carotovora atroseptica</i> SCRI1043	YP_048381	YP_048380
<i>Ferroplasma acidarmanus</i> Fer1	not found	ZP_00610578
<i>Francisella tularensis novicida</i> ATCC15482	AAO83346 (aa 1 to 182)	AAO83346 (aa 183 to 318)
<i>Frankia</i> sp. CcI3	YP_480200	YP_480201
<i>Frankia</i> sp. EAN1pec	ZP_00568300	ZP_00568301
<i>Fusobacterium nucleatum</i> vicentii	not found	ZP_00143594
<i>Gluconobacter oxydans</i> 621H (2)	not found	YP_192235
<i>Haemophilus influenzae</i> 86-028NP	YP_249090 (aa 1 to 218)	YP_249090 (aa 219 to 340)
<i>Haemophilus influenzae</i> R2866 (1)	ZP_00157327 (aa 1 to 218)	ZP_00157327 (aa 219 to 340)
<i>Haemophilus influenzae</i> R2866 (2)	ZP_00155060 (aa 1 to 210)	ZP_00155060 (aa 211 to 333)
<i>Kineococcus radiotolerans</i> SRS30216	not annotated	EAM76999
<i>Lactobacillus reuteri</i> 100-23	not annotated	ZP_01273906
<i>Lactobacillus salivarius</i> UCC118	YP_536276	YP_536275
<i>Legionella pneumophila</i> Lens	YP_125567 (aa 1 to 193)	YP_125567 (aa 194 to 319)
<i>Magnetococcus</i> sp. MC-1	not annotated	ZP_00606088
<i>Mannheimia succiniciproducens</i> MBEL55E	not found	YP_089359
<i>Methanococcoides burtonii</i> DSM 6242	not found	YP_564803
<i>Methanosarcina barkeri</i> fusaro	YP_303876	YP_303877
<i>Methanosarcina mazei</i> Go1	NP_632574	NP_632573
<i>Mycobacterium avium paratuberculosis</i> K-10	not annotated	NP_962078
<i>Mycobacterium flavescens</i> PYR-GCK	not annotated	not annotated
<i>Mycobacterium</i> sp. KMS	ZP_01282318	ZP_01282317
<i>Mycobacterium</i> sp. MCS	not annotated	YP_638009
<i>Mycobacterium vanbaalenii</i> PYR-1	not annotated	ZP_01207819
<i>Mycoplasma mycoides</i> SC PG1	not annotated	not annotated
<i>Neisseria meningitidis</i> MC58	AAF41326	AAF41325
<i>Nocardioides</i> sp. JS614	ZP_00659468	ZP_00659469
<i>Nostoc</i> sp. PCC 7120 plasmid pCC7120epsilon	NP_478675	NP_478676
<i>Parachlamydia</i> sp. UWE25 (3)	YP_008471	YP_008472
<i>Pelobacter propionicus</i> DSM 2379	not found	ZP_00678454
<i>Pseudomonas aeruginosa</i> PA01	not annotated	modified NP_248743
<i>Psychrobacter</i> sp. 273-4	YP_264166 (aa 1 to 198)	YP_264166 (aa 199 to 330)
<i>Rhodopseudomonas palustris</i> BisA53	not annotated	ZP_00809462
<i>Rickettsiella grylli</i>	not annotated	ZP_01300114
<i>Salmonella enterica Choleraesuis</i> SC-B67	YP_218475	YP_218474
<i>Salmonella enterica</i> Typhi Ty2	AAO69527	AAO69526
<i>Salmonella typhimurium</i> LT2	NP_462460	NP_462459
<i>Shewanella baltica</i> OS155	ZP_00583273	ZP_00583272
<i>Shewanella oneidensis</i> MR-1	NP_716019 (aa 1 to 189)	NP_716019 (aa 190 to 332)
<i>Sodalis glossinidius</i> 'morsitans'	not annotated	YP_455242
<i>Streptococcus agalactiae</i> CJB111	ZP_00787618	ZP_00787605
<i>Sulfitobacter</i> sp. EE-36	ZP_00956017	ZP_00956018
<i>Sulfitobacter</i> sp. NAS-14	ZP_00963618	ZP_00963619
<i>Sulfolobus tokodaii</i> 7 (1)	not annotated	BAB66181
<i>Symbiobacterium thermophilum</i> IAM 14863 (1)	not found	YP_074705
<i>Synechococcus</i> sp. RS9917 (2)	ZP_01081563	ZP_01081564
<i>uncultured archaeon</i> GZfos26G2	AAU83175	AAU83176
<i>Vibrio cholerae</i> O1 eltor N16961	not annotated	NP_232867
<i>Vibrio cholerae</i> RC385	ZP_00751723	ZP_00751724
<i>Vibrio cholerae</i> V52	not annotated	ZP_00744968
<i>Vibrio metschnikovii</i> CIP A267	AAO33027	AAO33028
<i>Wolinella succinogenes</i> DSM 1740	not found	NP_907321
<i>Yersinia mollaretii</i> ATCC 43969	ZP_00824096	ZP_00824095
<i>Yersinia pestis</i> CO92	NP_405398	NP_405399
<i>Yersinia pestis</i> KIM	not annotated	NP_669780
<i>Yersinia pestis Medievalis</i> 91001	AAS61794	AAS61793
<i>Zymomonas mobilis</i> ZM4	not annotated	modified NP_758996