BAR24_02900 Gluconobacter oxydans bacteria> proteobacteria> alphaproteobacteria > SIG+Toast-rack-> SIG+PspB-> SIG+DuF119GyjIC-ID-yjI	bacteria>cyanobacteria			NLPC+PspA
BAR24_02900 Gluconobacter oxydans bacteria> proteobacteria> alphaproteobacteria > SIG+Toast-rack-> SIG+Toast		aponinum PCC	Cyan10605_0189	AFZ52345.1
oxydans bacteria > proteobacteria > alpria proteobacteria > SIG+Toast-rack-> SIG+TM(s)-ATII- a0102493_111899	hacterias notos hacterias - I-li-		DAD24 02000	PspA
AMC81_PE00364 Rhizobium phaseoli bacteria>proteobacteria>alphaproteobacteria >SIG+PspB->SIG-SIG+PspB->SIG-SIG+PspB->SIG-SIG+PspB->SIG-SIG-PspB->SI		oxydans		ANQ40502.1
phaseoli pha		litoralis		AOL22920.1 ANL88610.1
DUF2170->F CesT_Tir-DUF2170-> > DUF2491->yift-		·		
O157:H7 str Sakai Dacteria > proteobacteria > gaminia proteobacteria SIG+DUF i 19U- > 19U- > 19U- > 10U- i 19U- > 20U- COA_ch_M		O157:H7 str Sakai		BAB38581.1
ambt_03780 amphthalenivorans hacteria>proteobacteria>gammaproteobacteria TM(s)->SIG+DUF1190->Spe ATPg CC_2362 Caulobacter vibrioides CB15 bacteria>proteobacteria>alphaproteobacteria SpermG5-ATPg		naphthalenivorans Caulobacter		AEF02306.1 AAK24333.1
CTEST_07895 Corynebacterium bacteria>actinobacteria clgR-HTH->F	bacteria>actinobacteria	Corynebacterium	CTEST_07895	AKK09009.1
35kd_ag Mycobacterium clgR-HTH->PspA-> tuberculosis H37Rv bacteria>actinobacteria >PspN_N+DUF3046-Put	bacteria> actinobacteria		35kd_ag	CCP45543.1
TL08_09395 Actinoalloteichus hymeniacidonis bacteria>actinobacteria lowcomplexity->PspA->Ps	bacteria> actinobacteria	Actinoalloteichus	TL08_09395	AOS62694.1
AS891_06225 Bacillus subtilis bacteria>firmicutes SIG+TM+HAMP+H > REC+GerE-	bacteria>firmicutes		AS891_06225	ANX06812.1
MA_1460 Methanosarcina archaea>euryarchaeota PspA->Psp acetivorans C2A	archaea> euryarchaeota		MA_1460	AAM04874.1
SCO2168 Streptomyces coelicolor A32 bacteria > actinobacteria > SIG+TM(s)+HISKIN-> REC	bacteria>actinobacteria	coelicolor A32	SCO2168	CAB51252.1
Francan1_2534 Frankia sp		EAN1pec Shigella dysenteriae		ABW11964.1 AHA65439.1
SiG+RHOD-CC Crinalium Cri9333_3857 epipsammum PCC bacteria> cyanobacteria PspA-> PspA-> Thiored		1617 Crinalium epipsammum PCC		AHA65439.1 AFZ14666.1
9333 PspA->PspB->PspC- Entas_2342 Enterobacter soli bacteria> proteobacteria> gammaproteobacteria > TM(s)+(IBP1->pspF- AAA+FIS-	oacteria > proteobacteria > gammaproteobacteria		Entas_2342	AEN65073.1
A9L45_10880 Escherichia coli O157:H7 bacteria>proteobacteria>gammaproteobacteria PspA->PspB->PspC- >Phageshock_PspD SIG+RHOD-CD	pacteria > proteobacteria > gammaproteobacteria		A9L45_10880	ANW39986.1
Sphaerochaeta PspA->PspC-> (-pspF Spico_0140 coccoides DSM bacteria>spirochaetes AAA+FIS-HTH PspA->Psp 17374 >PspC+PspB->SIG+Toast-		coccoides DSM 17374		AEC01378.1
AMS64_04095 Aeromonas veronii bacteria> proteobacteria> gammaproteobacteria PspA-> PspC-> Phageshock_P		Microcystis		AMQ41621.1
MAE_48200 aeruginosa bacteria>cyanobacteria PspA->SIG+TPR+f NIES843 GZ59_06830 Pectobacterium atrosepticum bacteria>proteobacteria>gammaproteobacteria PspA->SIG+TPR+TM+DUF:		NIES843 Pectobacterium		BAG04642.1 AIK12556.1
AMC87_CH01062 Rhizobium phaseoli bacteria>proteobacteria>alphaproteobacteria PspA->YiaAB->X(s)-> <-SIG-	bacteria > proteobacteria > alphaproteobacteria		AMC87_CH01062	ANL45788.1
BCE_4961 Bacillus cereus bacteria > firmicutes PspA->yjfL-TM(s)->SIG+DUF-	bacteria> firmicutes		BCE_4961	AAS43862.1
AS891_20665 Bacillus subtilis bacteria > firmicutes > SIG+TPM_phosphatas > Band_7+.	bacteria>firmicutes		AS891_20665	ANX09535.1
SIG+Ctha_1186+Low-> DUF3370 SO_3765 Shewanella oneidensis MR1 bacteria> proteobacteria> gammaproteobacteria > SIG+TM(s)+Spermine, > Cest_Tir-DUF2170-> > DUF4178-> I	oacteria > proteobacteria > gammaproteobacteria		SO_3765	AAN56746.1
MOTHE_c06560 Moorella bacteria > firmicutes > Tfu_1009-> PspA-> Psp	bacteria>firmicutes	thermoacetica	MOTHE_c06560	AKX93460.1
Halobacillus SIG+DUF4178-3 pspA halophilus DSM bacteria>firmicutes >SIG+DUF4478-3 2266 >SIG+TM(s)+Spermine_sy SIG+TM(s)-\Lial-LiaF-TM-3	bacteria> firmicutes	halophilus DSM	pspA	CCG46123.1
PPYC2_05025 Paenibacillus SPSC+Coiled-coil-> PPYC2_05025 Paenibacillus bacteria>firmicutes SIG+TM+Toa: PPYC2_05025 Polymyxa SIG+TM+HISKIN-> REC	bacteria> firmicutes	polymyxa	PPYC2_05025	APB74393.1
	bacteria> actinobacteria	Mg1 Trueperella	M444_22280	AKL67689.1 ALD73647.1
SIG+TPM_phosphatase+TM+ AN946 04100 Trueperella bacteria>actinobacteria coil->PspA->NYN->REC+Gert			***************************************	
Mg1 Sacteria > actinobacteria coil-> F AN946_04100 Trueperella pyogenes bacteria > actinobacteria coil-> PspA-> NYN-> REC+Gert > SIG+TPM_phosphatase+TM+ coil-> PspA-> NYN-> REC+Gert > SIG+TM+HAMP+HISKIN Acyltran	bacteria>actinobacteria		CTEST_12695	AKK09942.1
AN946_04100 Trueperella pyogenes bacteria>actinobacteria SIG+TPM_phosphatase+TM+(coil-> PspA->NYN->REC+Gerif > SIG+TPM_phosphatase+TM+(coil-> PspA->NYN->REC+Gerif > SIG+TPM_phosphatase+TM+(coil-> PspA->NYN->REC+Gerif > SIG+TM+HAMP+HISKIN Acyltran CTEST_12695 Conynebacterium testudinoris bacteria> actinobacteria Thioredoxin-> F TM(s)-> PADR-HTH-> DU ahelical+ PspC+Lial-LiaF-TM-rack-> SIG+NTE7-XTM+ Toastrand-TM-rack-> SIG+NTE7-XTM-rack-> SIG+NTE7-X		testudinoris Dokdonia		AKK09942.1 ANH61663.1
AN946_04100 Trueperella pyogenes bacteria>actinobacteria SIG+TPM_phosphatase+TM+(coil-> PspA->NYN->REC+Gerfia > SIG+TPM_phosphatase+TM+(coil-> PspA->NYN-> REC+Gerfia > SIG+TPM_phosphatase+TM+(coil-> PspA-> NYN-> REC+Gerfia >	bacteria> bacteroidetes	Dokdonia donghaensis DSW1	1597_2772	ANH61663.1
AN946_04100 Trueperella pyogenes bacteria>actinobacteria SIG+TPM_phosphatase+TM+(coil-> PspA->NYN->REC+Geri > SIG+TPM_phosphatase+TM+(coil-> PspA->NYN->REC+Geri > SIG+TM+HAMP+HISKIN Acyltran CTEST_12695 Corynebacterium testudinoris bacteria> actinobacteria Thioredoxin-> F IS97_2772 Dokdonia donghaensis DSW1 bacteria> bacteria> bacteria> bacteria> bacteria> bacteria> bacteria> SIG+TPM_phosphatase+TM+(coil-> PspA->NYN->REC+Geri > SIG+TM+HAMP+HISKIN Acyltran TM(s)-> PADR-HTH->DU ahelical+PspC+Lial-LiaF-TM-rack-> SIG+NTE/> TM+Toast-TM-Tack-> SIG+TM(s)-> SIG+Band_7+(coil+Flot->Beta-Propeller	bacteria> bacteroidetes	Dokdonia donghaensis DSW1	1597_2772	
AN946_04100 Trueperella pyogenes Dacteria>actinobacteria SIG+TPM_phosphatase+TM+ coil->PspA->NYN->REC-Gert >SIG+TM+HAMP+HISkIN Acyltran CTEST_12695 Corynebacterium testudinoris Dokdonia donghaensis DSW1 Dokdonia donghaensis DSW1 Dokdonia donghaensis DSW1 Methanosarcina Methanosarcina Doktonia donghaensis DSW1 Methanosarcina Doktonia donghaensis DSW1 Dokdonia donghaensis DSW1 Methanosarcina Dokdonia donghaensis DSW1 TM(s)->PADR-HTH->DU ahelical+PspC+Lial-LiaF-TM-rack->SIG+MTF2->TM+Toast-rack->SIG+TM(s)->SIG+Band_7+ coil+Flot->Beta-Propeller ATT TM(s)+Metlalopeptidase+ TM(s)->PspA-A-TM-TOR-DI-CAT(s)->Beta-Propeller ATT TM(s)+Metlalopeptidase+ TM(s)->PspA-A-TM-TOR-DI-CAT(s)->Beta-Propeller ATT Dokdonia donghaensis DSW1	bacteria> bacteroidetes archaea> euryarchaeota	Dokdonia donghaensis DSW1 Methanosarcina barkeri MS	1597_2772 MSBRM_1762	ANH61663.1 AKB54760.1
AN946_04100 Trueperella pyogenes bacteria>actinobacteria SIG+TPM_phosphatase+TM+(coil-> PspA-> NNN-> REC+Geria > SIG+TPM_phosphatase+TM+(coil-> PspA-> NNN-> REC+Geria > SIG+TPM_phosphatase+TM+(coil-> PspA-> NNN-> REC+Geria > SIG+TM+HAMP+HISKIN Acyltran CTEST_12695 Corynebacterium testudinoris bacteria> actinobacteria Thioredoxin-> F Dokdonia donghaensis DSW1 bacteria> bacteria> bacteria > bacteria > bacteria > bacteria > bacteria > bacteria > SIG+TMF-> Du ahelical+PspC+Lial-LiaF-TM-rack-> SIG+TMF-> TM+ Toast-TM+ Toast-TM+ Protease [cst_TTir>> SIG+TM(s)-> SIG+Band_7+ coil+Flot-> Beta-Propeller MSBRM_1762 Methanosarcina barkeri MS archaea > euryarchaeota TM(s)+Metallopeptidase+ > Tfu_1009-> <-X(s)-> PspA- MAE_61950 Microcystis aeruginosa NIES843 bacteria> cyanobacteria PspA-> PspA-> Psp Acidimicrobium	bacteria> bacteroidetes archaea> euryarchaeota bacteria> cyanobacteria	Dokdonia donghaensis DSW1 Methanosarcina barkeri MS Microcystis aeruginosa NIES843	MSBRM_1762 MAE_61950	ANH61663.1 AKB54760.1 PSpA(s) BAG06017.1 PSpA+PSp-A
AN946_04100 Trueperella pyogenes bacteria>actinobacteria SIG+TPM_phosphatase+TM+(coil->PspA->NYN->REC+Geria > SIG+TPM_phosphatase+TM+(coil->PspA->NYN->REC+Geria > SIG+TM+HAMP+HISKIN Acyltran CTEST_12695 Corynebacterium testudinoris bacteria> actinobacteria Thioredoxin->F Dokdonia donghaensis DSW1 bacteria> bacteria> bacteria> bacteria bacteroidetes (-CHTH+Protease)[cs1_Tir-> SIG+TM(s)->SIG+Band_7+(coil+Flot->Beta-Propeller ATI MSBRM_1762 Methanosarcina barkeri MS archaea> euryarchaeota TM(s)+Metallopeptidase+>Tfu_1009-> <-X(s)->PspA->Ps	bacteria> bacteroidetes archaea> euryarchaeota bacteria> cyanobacteria	Dokdonia donghaensis DSW1 Methanosarcina barkeri MS Microcystis aeruginosa NIES843 Acidimicrobium ferrooxidans DSM	MSBRM_1762 MAE_61950	ANH61663.1 AKB54760.1 PspA(s) BAG06017.1
AN946_04100 Trueperella pyogenes bacteria>actinobacteria SIG+TPM_phosphatase+TM+(coil->PspA->NYN->REC+Geria > SIG+TPM_phosphatase+TM+(coil->PspA-PspA-Propeller abelia > SIG+TPM_phosphatase+TM+(coil->PspA-PspA-PppA-PspA-PspA-PspA->PspA-PspA-PspA-PspA-PspA-PspA-PspA-PspA-	bacteria> bacteroidetes archaea> euryarchaeota bacteria> cyanobacteria bacteria> actinobacteria	Dokdonia donghaensis DSW1 Methanosarcina barkeri MS Microcystis aeruginosa NIES843 Acidimicrobium ferrooxidans DSM 10331	MSBRM_1762 MAE_61950 AA Afer_0955	ANH61663.1 AKB54760.1 PSpA(s) BAG06017.1 PSpA+PSp-A ACU53894.1
AN946_04100 Trueperella pyogenes bacteria>actinobacteria SIG+TPM_phosphatase+TM+(coll->PspA->NYN->REC+Gerif >SIG+TPM_phosphatase+TM+(coll->PspA->NYN->REC+Gerif >SIG+TPM_phosphatase+TM+(coll->PspA->NYN->REC+Gerif >SIG+TM+HAMP+HISKIN Acyltran CTEST_12695 Corynebacterium testudinoris bacteria>actinobacteria Thioredoxin->F Dokdonia donghaensis DSW1 bacteria>bacteroidetes SIG+TM+HAMP+HISKIN Acyltran TM(s)->PADR-HTH+>DU Hack->SIG+TM(s)->SI	bacteria> bacteroidetes archaea> euryarchaeota bacteria> cyanobacteria bacteria> actinobacteria archaea	Dokdonia donghaensis DSW1 Methanosarcina barkeri MS Microcystis aeruginosa NIES843 Acidimicrobium ferrooxidans DSM 10331 archaeon 13_2_20CM_2_52_21 Candidatus Heimdallarchaeota	MSBRM_1762 MAE_61950 AA Afer_0955	ANH61663.1 AKB54760.1 PspA(s) BAG06017.1 PspA+Psp-A ACU53894.1 Snf7