

Table 1. List of HGT candidates at various taxonomic ranges. The binary digit (1 for true or 0 for false) indicates the occurrence of HGT detected at a given taxonomic range.

Pfam id	Pfam name	Taxonomic range		
		2nd	3rd	4th
PF00008	EGF	0	1	1
PF00010	HLH	0	1	1
PF00014	Kunitz_BPTI	0	0	1
PF00017	SH2	0	1	1
PF00022	Actin	1	1	0
PF00025	Arf	0	1	1
PF00026	Asp	0	1	1
PF00038	Filament	0	1	1
PF00045	Hemopexin	0	0	1
PF00046	Homeobox	0	1	1
PF00047	ig	0	1	1
PF00053	Laminin_EGF	0	1	1
PF00057	Ldl_recept_a	0	1	1
PF00063	Myosin_head	0	1	0
PF00077	RVP	0	0	1
PF00097	zf-C3HC4	1	1	0
PF00098	zf-CCHC	0	1	1
PF00110	wnt	0	1	1
PF00125	Histone	1	0	0
PF00130	C1_1	0	1	1
PF00134	Cyclin_N	1	1	1
PF00153	Mito_carr	1	1	1
PF00157	Pou	0	0	1
PF00168	C2	0	1	1
PF00169	PH	0	1	1
PF00170	bZIP_1	0	1	1
PF00179	UQ_con	1	1	0
PF00191	Annexin	0	1	1
PF00207	A2M	0	0	1
PF00223	PsaA_PsaB	1	0	0
PF00225	Kinesin	1	1	1
PF00233	PDEase_I	0	1	1
PF00235	Profilin	0	1	1
PF00240	ubiquitin	1	1	1
PF00241	Cofilin_ADF	0	1	1
PF00244	14-3-3	0	1	1
PF00249	Myb_DNA-binding	1	1	0
PF00250	Fork_head	0	1	1
PF00262	Calreticulin	0	1	1
PF00292	PAX	0	1	1
PF00302	CAT	0	1	1
PF00307	CH	0	1	1
PF00309	Sigma54_AID	0	1	1
PF00311	PEPcase	1	0	0
PF00319	SRF-TF	0	1	1
PF00320	GATA	0	1	1
PF00335	Tetraspannin	0	0	1
PF00339	Arrestin_N	0	0	1

PF00349	Hexokinase_1	0	1	1
PF00353	HemolysinCabind	0	1	1
PF00356	LacI	0	1	1
PF00358	PTS_EIIA_1	0	1	0
PF00367	PTS_EIIB	0	1	0
PF00373	Band_41	0	1	1
PF00381	PTS-HPr	1	1	0
PF00385	Chromo	0	1	1
PF00388	PI-PLC-X	0	1	0
PF00395	SLH	0	1	1
PF00397	WW	0	1	1
PF00431	CUB	0	0	1
PF00433	Pkinase_C	0	1	1
PF00435	Spectrin	0	1	1
PF00439	Bromodomain	0	1	1
PF00443	UCH	0	1	1
PF00447	HSF_DNA-bind	0	1	1
PF00503	G-alpha	0	1	1
PF00504	Chloroa_b-bind	1	1	1
PF00505	HMG_box	0	1	1
PF00514	Arm	0	1	1
PF00532	Peripla_BP_1	1	1	1
PF00556	LHC	0	0	1
PF00566	TBC	0	1	0
PF00569	ZZ	0	1	1
PF00577	Usher	0	0	1
PF00611	FCH	0	0	1
PF00613	PI3Ka	0	1	1
PF00615	RGS	0	0	1
PF00616	RasGAP	0	0	1
PF00617	RasGEF	0	0	1
PF00620	RhoGAP	0	0	1
PF00621	RhoGEF	0	1	1
PF00622	SPRY	0	1	1
PF00626	Gelsolin	0	1	1
PF00628	PHD	0	1	1
PF00630	Filamin	0	1	1
PF00632	HECT	0	1	1
PF00635	Motile_Sperm	0	1	1
PF00637	Clathrin	0	0	1
PF00638	Ran_BP1	0	1	0
PF00642	zf-CCCH	0	1	0
PF00647	EF1G	0	0	1
PF00650	CRAL_TRIO	0	1	1
PF00658	PABP	0	0	1
PF00659	POLO_box	0	0	1
PF00735	GTP_CDC	0	0	1
PF00741	Gas_vesicle	0	0	1
PF00768	Peptidase_S11	0	1	1
PF00775	Dioxygenase_C	0	1	0
PF00780	CNH	0	0	1

PF00786	PBD	0	0	1
PF00787	PX	0	1	1
PF00789	UBX	0	0	1
PF00792	PI3K_C2	0	0	1
PF00804	Syntaxin	0	1	1
PF00806	PUF	0	1	1
PF00810	ER_lumen_recept	0	1	1
PF00825	Ribonuclease_P	1	1	1
PF00828	Ribosomal_L18e	0	1	1
PF00838	TCTP	0	1	1
PF00848	Ring_hydroxyl_A	0	0	1
PF00866	Ring_hydroxyl_B	0	0	1
PF00871	Acetate_kinase	1	1	1
PF00888	Cullin	0	0	1
PF00895	ATP-synt_8	0	0	1
PF00917	MATH	0	0	1
PF00928	Adap_comp_sub	0	1	1
PF00932	IF_tail	0	1	0
PF00940	RNA_pol	1	0	0
PF00956	NAP	0	1	1
PF00957	Synaptobrevin	0	1	1
PF00995	Sec1	0	1	1
PF00996	GDI	0	1	1
PF01031	Dynamin_M	0	1	1
PF01059	Oxidored_q5_N	0	0	1
PF01067	Calpain_III	0	0	1
PF01075	Glyco_transf_9	1	1	1
PF01076	Mob_Pre	0	1	1
PF01079	Hint	0	0	1
PF01081	Aldolase	1	1	1
PF01105	EMP24_GP25L	0	1	1
PF01111	CKS	0	1	1
PF01125	G10	0	1	1
PF01150	GDA1_CD39	0	1	1
PF01158	Ribosomal_L36e	0	1	1
PF01159	Ribosomal_L6e	0	0	1
PF01213	CAP	0	1	1
PF01214	CK_II_beta	0	0	1
PF01217	Clat_adaptor_s	0	1	1
PF01219	DAGK_prokar	0	1	1
PF01220	DHquinase_II	1	1	0
PF01221	Dynein_light	0	1	1
PF01233	NMT	0	1	1
PF01235	Na_Ala_symp	1	0	0
PF01237	Oxysterol_BP	0	0	1
PF01239	PPTA	0	1	1
PF01249	Ribosomal_S21e	0	1	1
PF01251	Ribosomal_S7e	0	1	1
PF01258	zf-dskA_traR	0	1	1
PF01270	Glyco_hydro_8	0	0	1
PF01272	GreA_GreB	1	1	1

PF01276	OKR_DC_1	0	1	1
PF01283	Ribosomal_S26e	0	1	1
PF01290	Thymosin	0	0	1
PF01294	Ribosomal_L13e	0	1	0
PF01302	CAP_GLY	0	0	1
PF01316	Arg_repressor	0	1	1
PF01330	RuvA_N	1	1	1
PF01331	mRNA_cap_enzyme	0	1	1
PF01363	FYVE	0	1	1
PF01386	Ribosomal_L25p	1	1	1
PF01388	ARID	0	0	1
PF01399	PCI	1	1	1
PF01412	ArfGap	0	1	0
PF01418	HTH_6	0	1	1
PF01427	Peptidase_M15	0	1	1
PF01446	Rep_1	0	1	0
PF01459	Porin_3	0	1	1
PF01466	Skp1	0	1	1
PF01471	PG_binding_1	0	1	1
PF01485	IBR	0	0	1
PF01504	PIP5K	0	0	1
PF01515	PTA_PTB	1	0	0
PF01526	Transposase_7	0	1	1
PF01529	zf-DHHC	0	1	1
PF01532	Glyco_hydro_47	0	0	1
PF01535	PPR	0	1	1
PF01536	SAM_decarbox	0	0	1
PF01548	Transposase_9	1	1	1
PF01585	G-patch	0	1	1
PF01591	6PF2K	0	0	1
PF01599	Ribosomal_S27	1	0	0
PF01602	Adaptin_N	1	1	1
PF01603	B56	0	0	1
PF01607	CBM_14	0	0	1
PF01610	Transposase_12	1	1	0
PF01628	HrcA	0	1	0
PF01643	Acyl-ACP_TE	0	0	1
PF01644	Chitin_synth_1	0	0	1
PF01650	Peptidase_C13	0	1	1
PF01652	IF4E	0	1	1
PF01689	Hyratase_decarb	0	0	1
PF01726	LexA_DNA_bind	0	1	1
PF01733	Nucleoside_tran	0	1	1
PF01749	IBB	0	1	1
PF01753	zf-MYND	0	1	1
PF01759	NTR	0	0	1
PF01775	Ribosomal_L18ae	0	1	1
PF01777	Ribosomal_L27e	0	1	1
PF01779	Ribosomal_L29e	0	0	1
PF01781	Ribosomal_L38e	0	0	1
PF01816	LRV	0	0	1

PF01843	DIL	0	1	1
PF01849	NAC	1	1	1
PF01851	PC_rep	0	1	1
PF01853	MOZ_SAS	0	1	1
PF01884	PcrB	0	1	0
PF01908	DUF75	0	1	0
PF01946	Thi4	0	1	1
PF01949	DUF99	0	1	1
PF01981	UPF0099	0	1	1
PF01982	DUF120	0	1	1
PF02005	TRM	0	1	1
PF02020	W2	0	0	1
PF02028	BCCT	0	1	1
PF02045	CBFB_NFYA	0	0	1
PF02056	Glyco_hydro_4	0	0	1
PF02071	NSF	0	1	1
PF02075	RuvC	1	1	1
PF02109	DAD	0	0	1
PF02114	Phosducin	0	0	1
PF02115	Rho_GDI	0	0	1
PF02120	Flg_hook	0	1	1
PF02129	Peptidase_S15	0	1	1
PF02134	UBACT	0	1	1
PF02138	Beach	0	0	1
PF02154	FliM	0	1	1
PF02162	XYPPX	0	1	1
PF02170	PAZ	0	1	1
PF02181	FH2	0	0	1
PF02197	RIIa	0	1	1
PF02207	zf-UBR1	0	0	1
PF02212	GED	0	1	1
PF02214	K_tetra	0	1	1
PF02239	Cytochrom_D1	0	0	1
PF02255	PTS_IIA	0	0	1
PF02259	FAT	0	1	1
PF02260	FATC	0	1	1
PF02269	TFIID-18kDa	0	0	1
PF02278	Lyase_8	0	0	1
PF02283	CobU	0	1	1
PF02291	TFIID-31kDa	0	0	1
PF02301	HORMA	0	0	1
PF02302	PTS_IIB	0	0	1
PF02311	AraC_binding	0	1	0
PF02326	YMF19	0	0	1
PF02330	MAM33	0	0	1
PF02338	OTU	0	1	1
PF02342	TerD	0	0	1
PF02359	CDC48_N	1	1	1
PF02369	Big_1	0	0	1
PF02378	PTS_EIIC	0	1	0
PF02379	PTS_IIB fruc	0	1	1

PF02381	UPF0040	0	1	0
PF02383	Syja_N	0	1	1
PF02384	N6_Mtase	1	0	0
PF02397	Bac_transf	1	1	1
PF02435	Glyco_hydro_68	0	0	1
PF02450	LACT	0	0	1
PF02452	PemK	0	1	1
PF02460	Patched	0	1	1
PF02466	Tim17	0	0	1
PF02498	Bro-N	0	0	1
PF02506	Methylase_M	1	0	0
PF02508	Rnf-Nqr	0	1	1
PF02516	STT3	0	1	1
PF02522	Antibiotic_NAT	0	0	1
PF02534	TraG	0	1	1
PF02544	Steroid_dh	0	1	1
PF02557	VanY	0	1	1
PF02559	CarD_TRCF	1	1	1
PF02575	DUF149	1	0	0
PF02583	DUF156	0	1	0
PF02588	DUF161	0	1	1
PF02591	DUF164	1	1	1
PF02595	Gly_kinase	0	1	0
PF02599	CsrA	0	1	1
PF02601	Exonuc_VII_L	1	1	1
PF02604	PhdYeFM	1	1	1
PF02610	Arabinose_Isome	0	0	1
PF02613	Nitrate_red_del	0	1	0
PF02614	UxaC	0	1	1
PF02618	ADC_lyase	1	1	1
PF02623	DUF180	0	0	1
PF02625	XdhC_CoxI	0	1	0
PF02631	RecX	1	1	1
PF02632	BioY	1	0	0
PF02638	DUF187	0	1	1
PF02645	DegV	0	1	1
PF02650	DUF199	0	0	1
PF02664	LuxS	0	1	0
PF02674	Colicin_V	0	1	1
PF02680	DUF211	0	0	1
PF02681	DUF212	0	1	1
PF02694	UPF0060	0	0	1
PF02702	KdpD	0	1	1
PF02719	Polysacc_synt_2	1	1	1
PF02731	SKIP_SNW	0	0	1
PF02732	ERCC4	0	1	1
PF02736	Myosin_N	0	1	1
PF02752	Arrestin_C	0	0	1
PF02799	NMT_C	0	1	1
PF02807	ATP-gua_PtransN	0	1	1
PF02809	UIM	0	1	1

PF02814	UreE_N	0	1	1
PF02815	MIR	0	1	1
PF02854	MIF4G	0	1	1
PF02863	Arg_repressor_C	0	1	1
PF02889	Sec63	0	1	1
PF02891	zf-MIZ	0	1	1
PF02909	TetR_C	0	0	1
PF02953	zf-Tim10_DDP	0	0	1
PF02965	Met_synt_B12	1	0	0
PF02966	DIM1	0	0	1
PF02970	TBCA	0	0	1
PF02976	MutH	0	0	1
PF02984	Cyclin_C	0	1	1
PF02991	MAP1_LC3	0	1	1
PF03028	Dynein_heavy	0	1	1
PF03031	NIF	0	1	1
PF03095	PTPA	0	0	1
PF03105	SPX	0	1	1
PF03116	NQR2_RnfD_RnfE	0	1	1
PF03124	EXS	0	0	1
PF03133	TTL	0	0	1
PF03134	TB2_DP1_HVA22	0	0	1
PF03151	DUF250	0	0	1
PF03152	UFD1	0	1	1
PF03159	XRN_N	0	1	1
PF03165	MH1	0	0	1
PF03178	CPSF_A	0	0	1
PF03179	V-ATPase_G	0	0	1
PF03180	Lipoprotein_9	1	0	0
PF03194	LUC7	0	0	1
PF03199	GSH_synthase	0	0	1
PF03206	NifW	0	0	1
PF03223	V-ATPase_C	0	0	1
PF03248	Rer1	0	0	1
PF03256	APC10	0	0	1
PF03270	DUF269	0	1	1
PF03271	EB1	0	1	1
PF03275	GLF	0	1	0
PF03291	Pox_MCEL	0	0	1
PF03313	SDH_alpha	1	1	0
PF03315	SDH_beta	1	1	0
PF03320	FBPase_glpX	0	1	1
PF03349	Toluene_X	0	1	1
PF03371	PRP38	0	0	1
PF03381	CDC50	0	1	1
PF03389	MobA_MobL	0	0	1
PF03399	SAC3_GANP	0	0	1
PF03401	Bug	0	0	1
PF03413	PepSY	1	0	0
PF03416	Peptidase_C54	0	0	1
PF03448	MgtE_N	1	1	1

PF03449	GreA_GreB_N	1	1	1
PF03461	TRCF	1	1	1
PF03475	3-alpha	0	0	1
PF03480	SBP_bac_7	0	1	1
PF03501	S10_pectin	0	1	1
PF03550	LolB	0	0	1
PF03556	DUF298	0	0	1
PF03588	Leu_Phe_trans	0	1	1
PF03593	Nuclear_move	0	1	0
PF03594	BenE	0	0	1
PF03601	Cons_hypoth698	0	1	0
PF03604	DNA_RNApol_7kD	0	0	1
PF03605	DcuA_DcuB	0	0	1
PF03606	DcuC	0	1	0
PF03608	EII-GUT	0	0	1
PF03610	EIIA-man	0	1	1
PF03611	EIIC-GAT	0	0	1
PF03612	EIIBC-GUT_N	0	0	1
PF03618	DUF299	0	1	1
PF03637	Mob1_phocein	0	0	1
PF03643	Vps26	0	0	1
PF03645	Tctex-1	0	1	1
PF03668	ATP_bind_2	0	1	0
PF03672	UPF0154	0	0	1
PF03680	UPF0148	0	0	1
PF03681	UPF0150	1	0	0
PF03693	UPF0156	0	0	1
PF03699	UPF0182	0	1	0
PF03704	BTAD	0	1	1
PF03707	MHYT	0	0	1
PF03710	GlnE	0	0	1
PF03711	OKR_DC_1_C	0	1	1
PF03713	DUF305	0	0	1
PF03714	PUD	0	0	1
PF03727	Hexokinase_2	0	1	1
PF03731	Ku_N	0	0	1
PF03734	ErfK_YbiS_YhnG	0	1	1
PF03738	GSP_synth	0	0	1
PF03739	YjgP_YjgQ	0	1	1
PF03741	TerC	1	1	0
PF03765	CRAL_TRIO_N	0	1	1
PF03770	IPK	0	1	1
PF03780	DUF322	0	0	1
PF03783	CsgG	0	0	1
PF03786	UxuA	0	0	1
PF03793	PASTA	1	0	0
PF03798	LAG1	0	1	1
PF03799	FtsQ	0	1	1
PF03806	ABG_transport	0	0	1
PF03808	Glyco_tran_WecB	0	1	1
PF03810	IBN_N	0	0	1

PF03816	LytR_cpsA_psr	0	1	1
PF03828	PAP_assoc	0	0	1
PF03829	PTSIIA_gutA	0	0	1
PF03834	Rad10	0	0	1
PF03835	Rad4	0	0	1
PF03837	RecT	0	1	1
PF03850	Tfb4	0	0	1
PF03860	DUF326	0	0	1
PF03861	ANTAR	0	1	0
PF03870	RNA_pol_Rpb8	0	1	1
PF03871	RNA_pol_Rpb5_N	0	0	1
PF03872	RseA_N	0	0	1
PF03878	Hrf1	0	0	1
PF03880	DbpA	1	0	0
PF03883	DUF328	0	1	1
PF03894	XFP	0	1	0
PF03901	Glyco_transf_22	0	0	1
PF03914	CBF	0	0	1
PF03917	GSH_synth_ATP	0	0	1
PF03919	mRNA_cap_C	0	1	1
PF03928	DUF336	0	1	0
PF03929	PepSY_TM	0	1	1
PF03939	Ribosomal_L23eN	0	1	1
PF03960	ArsC	1	1	1
PF03961	DUF342	0	0	1
PF03965	Pencillinase_R	0	1	1
PF03968	OstA	0	0	1
PF03982	DAGAT	0	0	1
PF03998	Utp11	0	0	1
PF04006	Mpp10	0	0	1
PF04011	LemA	1	0	0
PF04013	DUF358	0	0	1
PF04018	DUF368	1	0	0
PF04020	DUF360	0	0	1
PF04025	DUF370	0	0	1
PF04028	DUF374	0	0	1
PF04031	Las1	0	0	1
PF04045	P34-Arc	0	0	1
PF04046	PSP	0	0	1
PF04051	TRAPP_Bet3	0	1	1
PF04056	Ssl1	0	0	1
PF04058	DNA_pol_alpha_B	0	0	1
PF04062	P21-Arc	0	0	1
PF04077	DsrH	0	0	1
PF04078	Rcd1	0	0	1
PF04079	DUF387	1	0	0
PF04085	MreC	1	1	1
PF04086	SRP-alpha_N	0	0	1
PF04093	MreD	0	0	1
PF04099	Sybindin	0	1	1
PF04109	APG9	0	0	1

PF04128	Psf2	0	0	1
PF04130	Spc97_Spc98	0	0	1
PF04131	NanE	0	1	1
PF04132	Vps36	0	0	1
PF04137	ERO1	0	0	1
PF04145	Ctr	0	0	1
PF04152	Mre11_DNA_bind	0	0	1
PF04153	NOT2_3_5	0	1	1
PF04158	Sof1	0	0	1
PF04166	PdxA	1	1	1
PF04168	DUF403	0	1	1
PF04169	DUF404	0	1	0
PF04171	DUF405	0	0	1
PF04174	DUF407	0	1	0
PF04176	TIP41	0	0	1
PF04180	LTV	0	0	1
PF04183	IucA_IucC	0	0	1
PF04188	DUF409	0	0	1
PF04198	Sugar-bind	0	1	1
PF04204	HTS	0	1	1
PF04212	MIT	0	0	1
PF04215	SgaT_UlaA	0	0	1
PF04226	Transgly_assoc	0	1	1
PF04228	Zn_peptidase	0	0	1
PF04231	Endonuclease_1	0	0	1
PF04234	CopC	0	0	1
PF04235	DUF418	0	0	1
PF04237	DUF419	0	1	1
PF04239	DUF421	0	1	1
PF04246	RseC_MucC	0	0	1
PF04248	DUF427	0	0	1
PF04257	Exonuc_V_gamma	0	0	1
PF04258	Peptidase_A22B	0	1	1
PF04261	Dyp_perox	0	0	1
PF04264	YceI	0	1	1
PF04271	DnaD	0	0	1
PF04279	IspA	0	0	1
PF04286	DUF445	0	1	1
PF04290	DctQ	0	1	1
PF04294	VanW	0	0	1
PF04296	DUF448	0	1	1
PF04298	Zn_peptidase_2	0	0	1
PF04303	DUF453	0	0	1
PF04327	DUF464	0	0	1
PF04332	DUF475	0	0	1
PF04341	DUF485	0	1	1
PF04349	MdoG	0	0	1
PF04357	DUF490	0	1	1
PF04362	DUF495	0	0	1
PF04371	PAD_porph	0	1	1
PF04375	HemX	0	0	1

PF04381	RdgC	0	0	1
PF04386	SspB	0	0	1
PF04387	PTPLA	0	1	1
PF04390	RplB	0	0	1
PF04392	DUF534	0	1	1
PF04397	LytTR	0	1	1
PF04401	DUF540	0	0	1
PF04406	TP6A_N	0	1	1
PF04410	Gar1	0	0	1
PF04414	DUF516	0	1	1
PF04433	SWIRM	0	0	1
PF04438	zf-HIT	0	0	1
PF04453	OstA_C	0	0	1
PF04456	DUF503	0	0	1
PF04461	DUF520	0	1	1
PF04472	DUF552	0	1	0
PF04474	DUF554	0	1	1
PF04477	DUF557	0	1	1
PF04502	DUF572	0	0	1
PF04511	DER1	0	1	1
PF04524	DUF586	0	1	1
PF04547	DUF590	0	0	1
PF04564	U-box	0	1	1
PF04571	Lipin_N	0	0	1
PF04597	Ribophorin_I	0	0	1
PF04608	PgpA	0	0	1
PF04615	Utp14	0	0	1
PF04627	ATP-synt_Eps	0	0	1
PF04655	APH_6_hur	0	0	1
PF04657	DUF606	0	1	1
PF04658	TAFII55_N	0	0	1
PF04670	Gtr1_RagA	0	0	1
PF04699	P16-Arc	0	0	1
PF04716	ETC_C1_NDUFA5	0	0	1
PF04719	TAFII28	0	0	1
PF04729	Anti-silence	0	0	1
PF04739	AMPKBI	0	0	1
PF04751	DUF615	0	0	1
PF04757	Pex2_Pex12	0	0	1
PF04758	Ribosomal_S30	0	1	0
PF04777	Evr1_Alr	0	1	1
PF04791	LMBR1	0	0	1
PF04794	YdjC	0	1	1
PF04810	zf-Sec23_Sec24	0	0	1
PF04811	Sec23_trunk	0	0	1
PF04815	Sec23_helical	0	1	1
PF04857	CAF1	0	1	1
PF04874	Mak16	0	1	1
PF04893	Yip1	0	0	1
PF04900	DUF652	0	1	1
PF04926	PAP_RNA-bind	0	0	1

PF04928	PAP_central	0	0	1
PF04932	Wzy_C	1	1	1
PF04939	RRS1	0	0	1
PF04950	DUF663	0	0	1
PF04954	SIP	0	0	1
PF04955	HupE_UreJ	0	0	1
PF04965	GPW_gp25	0	0	1
PF04973	NMN_transporter	0	0	1
PF04977	DivIC	0	1	0
PF04984	Phage_sheath_1	0	0	1
PF04985	Phage_tube	0	0	1
PF04990	RNA_pol_Rpb1_7	1	1	0
PF04991	LicD	0	0	1
PF04992	RNA_pol_Rpb1_6	1	1	0
PF04999	FtsL	0	0	1
PF05001	RNA_pol_Rpb1_R	1	1	1
PF05002	SGS	0	0	1
PF05007	Mannosyl_trans	0	0	1
PF05008	V-SNARE	0	0	1
PF05013	FGase	0	0	1
PF05015	Plasmid_killer	0	0	1
PF05016	Plasmid_stabil	1	0	0
PF05025	RbsD_FucU	0	1	1
PF05036	SPOR	0	1	1
PF05047	L51_S25_CI-B8	0	0	1
PF05057	DUF676	0	0	1
PF05065	Phage_capsid	0	0	1
PF05067	Mn_catalase	0	1	1
PF05088	Bac_GDH	0	0	1
PF05093	DUF689	0	0	1
PF05107	DUF694	0	1	1
PF05114	DUF692	0	0	1
PF05115	PetL	0	0	1
PF05119	Terminase_4	0	0	1
PF05127	DUF699	1	1	0
PF05129	DUF701	0	1	0
PF05138	PaaA_PaaC	0	0	1
PF05145	AmoA	0	0	1
PF05148	Methyltransf_8	0	1	1
PF05158	RNA_pol_Rpc34	0	0	1
PF05180	zf-DNL	0	0	1
PF05182	Fip1	0	0	1
PF05186	Dpy-30	0	0	1
PF05194	UreE_C	0	1	1
PF05207	zf-CSL	0	0	1
PF05209	MinC_N	0	0	1
PF05227	CHASE3	0	1	1
PF05231	MASE1	0	0	1
PF05235	CHAD	0	1	1
PF05277	DUF726	0	0	1
PF05383	La	0	1	1

PF05425	CopD	0	0	1
PF05448	AXE1	0	1	1
PF05491	RuvB_C	1	1	1
PF05496	RuvB_N	1	1	1
PF05525	Branch_AA_trans	0	1	0
PF05534	HicB	0	1	1
PF05545	FixQ	0	0	1
PF05603	DUF775	0	0	1
PF05620	DUF788	0	0	1
PF05636	DUF795	0	0	1
PF05661	DUF808	0	0	1
PF05669	SOH1	0	0	1
PF05685	DUF820	0	0	1
PF05713	MobC	0	0	1
PF05739	SNARE	1	1	1
PF05773	RWD	0	0	1
PF05779	DUF838	0	0	1
PF05787	DUF839	0	1	1
PF05816	TelA	0	0	1
PF05853	DUF849	0	1	1
PF05866	RusA	0	0	1
PF05871	DUF852	0	0	1
PF05872	DUF853	0	0	1
PF05891	DUF858	0	0	1
PF05899	Cupin_3	0	1	1
PF05901	Excalibur	0	0	1
PF05903	DUF862	0	0	1
PF05907	DUF866	0	0	1
PF05909	IWS1_C	0	0	1
PF05916	Sld5	0	0	1
PF05954	Phage_GPD	0	0	1
PF05960	DUF885	0	0	1
PF05962	DUF886	0	1	1
PF05973	Gp49	0	1	1
PF05976	DUF893	0	0	1
PF05982	DUF897	0	1	1
PF05985	EutC	0	0	1
PF05997	Nop52	0	0	1
PF06017	Myosin_tail_2	0	0	1
PF06029	AlkA_N	0	0	1
PF06039	Mqo	0	1	1
PF06063	DUF931	0	1	1
PF06089	Asparaginase_II	0	0	1
PF06093	Spt4	0	0	1
PF06149	DUF969	0	1	1
PF06165	Glyco_transf_36	0	0	1
PF06166	DUF979	0	1	1
PF06182	DUF990	0	1	1
PF06220	zf-U1	0	0	1
PF06224	DUF1006	0	0	1
PF06230	DUF1009	0	0	1

PF06243	PaaB	0	0	1
PF06250	DUF1016	0	0	1
PF06289	FlbD	0	0	1
PF06339	Ectoine_synth	0	0	1
PF06354	DUF1063	0	0	1
PF06391	MAT1	0	0	1
PF06417	DUF1077	0	0	1
PF06423	GWT1	0	0	1
PF06445	AraC_E_bind	1	0	0
PF06580	His_kinase	0	1	1
PF06602	Myotub-related	0	1	1
PF06719	AraC_N	0	0	1
PF06725	3D	0	1	1
PF06732	Pescadillo_N	0	1	1
PF06747	CHCH	0	0	1
PF06751	EutB	0	0	1
PF06769	DUF1224	0	1	1
PF06772	LtrA	0	0	1
PF06777	DUF1227	0	0	1
PF06807	Clp1	0	0	1
PF06821	DUF1234	0	0	1
PF06826	Asp-Al_Ex	0	1	1
PF06838	Alum_res	0	0	1
PF06843	DUF1243	0	0	1
PF06845	IolB	0	0	1
PF06883	RNA_pol_Rpa2_4	0	0	1
PF06923	GutM	0	0	1
PF06949	DUF1292	0	0	1
PF06953	ArsD	0	0	1
PF06971	Put_DNA-bind_C	0	1	1
PF06978	POP1	0	0	1
PF06993	DUF1304	0	0	1
PF07021	MetW	0	0	1
PF07043	DUF1328	0	0	1
PF07055	scADH	0	0	1
PF07065	D123	0	0	1
PF07075	DUF1343	0	1	1
PF07080	DUF1348	0	0	1
PF07099	DUF1361	0	0	1
PF07136	DUF1385	0	0	1
PF07155	DUF1393	0	0	1
PF07167	PhaC_N	0	0	1
PF07221	GlcNAc_2-epim	0	1	1
PF07228	SpoIIE	1	1	1
PF07275	ArdA	0	0	1
PF07311	DUF1458	0	1	1
PF07394	DUF1501	0	0	1
PF07396	Porin_O_P	0	0	1
PF07456	Hpre_diP_synt_I	0	0	1
PF07499	RuvA_C	0	1	1
PF07500	TFIIS_M	0	0	1

PF07504	FTP	0	1	1
PF07505	Gp37_Gp68	0	0	1
PF07508	Recombinase	0	1	1
PF07510	DUF1524	0	1	1
PF07534	TLD	0	1	1
PF07582	AP_endonuc_2_N	0	0	1
PF07645	EGF_CA	0	1	1
PF07647	SAM_2	0	1	1
PF07660	STN	0	1	1
PF07663	EIIBC-GUT_C	0	0	1
PF07677	A2M_recep	0	0	1
PF07678	A2M_comp	0	0	1
PF07698	7TM-7TMR_HD	0	1	1
PF07702	UTRA	0	1	1
PF07716	bZIP_2	0	1	1
PF07718	DUF1606	0	1	0
PF07727	RVT_2	0	0	1
PF07730	HisKA_3	0	1	0
PF07736	CM_1	0	1	1
PF07738	Sad1_UNC	0	0	1
PF07751	Abi_2	0	0	1
PF07766	LETM1	0	0	1
PF07770	SFT2	0	0	1
PF07780	Spb1_C	0	0	1
PF07848	PaaX	0	0	1
PF07879	PHB_acc_N	0	0	1
PF07907	YibE_F	0	0	1
PF07908	D-aminoacyl_C	0	0	1
PF07933	DUF1681	0	0	1
PF07940	Hepar_II_III	0	0	1
PF07943	PBP5_C	0	0	1
PF07944	DUF1680	0	0	1
