



Sequence ID	Cluster	Family	Domains
Isop_2937	Orphan	Hybrid	1 PAS_2,1 GAF,1 PHY,1 HisKA,1 HATPase_c,1 Response_reg
Isop_0911	Orphan	Hybrid	1 GAF,1 HisKA,1 HATPase_c,1 Response_reg
Isop_2980	Orphan	Hybrid	1 PAS,1 HisKA,1 HATPase_c,1 Response_reg
Isop_2025	Orphan	Hybrid	1 HisKA,1 HATPase_c,1 Response_reg
Isop_0320	Orphan	Hybrid	2 PAS_4,1 PAS_3,1 HisKA,1 HATPase_c,1 Response_reg
Isop_3271	Orphan	Unorthodox	2 PAS,1 HisKA,1 HATPase_c,1 Response_reg,1 Hpt
Isop_1396	Orphan	Hybrid	1 MASE1,1 HisKA,1 HATPase_c,1 Response_reg
Isop_0944	Orphan	Hybrid	1 PAS,1 HisKA,1 HATPase_c,1 Response_reg
Isop_1972	Orphan	Unorthodox	2 PAS_3,1 PAS,1 HisKA,1 HATPase_c,1 Response_reg,1 Hpt
Isop_1037	Orphan	Hybrid	2 PAS,1 PAS_4,1 HisKA,1 HATPase_c,1 Response_reg
Isop_0220_2	Orphan	Hybrid	1 PAS_3,1 PAS_4,1 HisKA,1 HATPase_c,2 Response_reg
Isop_3283	Orphan	Hybrid	1 HisKA,1 HATPase_c,1 Response_reg
Isop_3690	Orphan	CheA	4 Hpt,1 H-kinase_dim,1 HATPase_c,1 CheW,1 Response_reg
Isop_1841	Pair	CheA	2 Hpt,1 H-kinase_dim,1 HATPase_c,1 CheW,1 Response_reg
Isop_1557	Orphan	RpfG	1 Response_reg,1 HD
Isop_1442	Orphan	Hybrid	1 Response_reg,1 HisKA,1 HATPase_c
Isop_2462	Orphan	CheY	1 Response_reg
Isop_0022	Orphan	OmpR	1 Response_reg,1 Trans_reg_C
Isop_1453	Orphan	CheY	1 Response_reg
Isop_2635	Pair	CheY	1 Response_reg
Isop_1935	Pair	unclassified	1 Response_reg
Isop_2491	Pair	NtrC	1 Response_reg,1 AAA_5,1 HTH_8
Isop_0427	Orphan	NtrC	1 Response_reg,1 AAA_5,1 HTH_8
Isop_2592	Orphan	NtrC	1 Response_reg,1 AAA_5,1 HTH_8
Isop_3482	Pair	NtrC	1 Response_reg,1 AAA_5,1 HTH_8
Isop_1192	Pair	NtrC	1 Response_reg,1 AAA_5,1 HTH_8
Isop_2900	Orphan	Hybrid	1 GAF,1 HisKA,1 HATPase_c,1 REC
Isop_0648	Orphan	CheY	1 Response_reg
Isop_0971	Orphan	unclassified	1 PAS,1 PAS_4,1 Response_reg
Isop_3613	Orphan	unclassified	1 PAS_4,1 GAF,1 Response_reg
Isop_1842_2	Pair	FrzZ	2 Response_reg
Isop_3713	Orphan	unclassified	1 Response_reg
Isop_3511	Orphan	unclassified	1 Response_reg,1 Hpt
Isop_0245	Orphan	CheY	1 Response_reg
Isop_1153	Orphan	Hybrid	1 Response_reg,1 HisKA,1 HATPase_c
Isop_0220_1	Orphan	Hybrid	1 PAS_3,1 PAS_4,1 HisKA,1 HATPase_c,2 Response_reg
Isop_3002	Orphan	NtrC	1 Response_reg,1 AAA_5,1 HTH_8
Isop_3188	Pair	NarL	1 Response_reg,1 HTH_LUXR
Isop_2814	Pair	NtrC	1 Response_reg,1 AAA_5,1 HTH_8
Isop_0690	Orphan	RsbU	1 Response_reg,1 SpoII
Isop_3416	Orphan	unclassified	1 Response_reg
Isop_2350	Orphan	unclassified	1 Response_reg
Isop_1286	Orphan	unclassified	1 Response_reg
Isop_3686	Orphan	unclassified	1 Response_reg
Isop_3677	Orphan	CheY	1 Response_reg
Isop_1842_1	Pair	FrzZ	2 Response_reg
Isop_1464	Pair	CheY	1 Response_reg
Isop_0269	Orphan	unclassified	1 Response_reg
Isop_2918	Orphan	CheY	1 Response_reg
Isop_2913	Orphan	Hybrid	2 PAS_4,1 PAS_3,1 HisKA,1 HATPase_c,1 Response_reg