



Spiaf_1855
 Spiaf_1770
 Spiaf_2678
 Spiaf_1867
 Spiaf_1056
 Spiaf_0607
 Spiaf_0950
 Spiaf_0428
 Spiaf_2305
 Spiaf_2665
 Spiaf_0592
 Spiaf_1705
 Spiaf_1159
 Spiaf_2384
 Spiaf_1333
 Spiaf_0644
 Spiaf_0252
 Spiaf_2065
 Spiaf_0669
 Spiaf_1668
 Spiaf_1160
 Spiaf_1104
 Spiaf_1103
 Spiaf_1941
 Spiaf_0710
 Spiaf_2316
 Spiaf_0328
 Spiaf_2056
 Spiaf_1774
 Spiaf_2425
 Spiaf_2376
 Spiaf_0362_2
 Spiaf_0156
 Spiaf_0280
 Spiaf_1727_2
 Spiaf_2373
 Spiaf_2234
 Spiaf_0841
 Spiaf_0731_2
 Spiaf_0239_2
 Spiaf_2304_2
 Spiaf_1329
 Spiaf_0229
 Spiaf_1746
 Spiaf_0216
 Spiaf_2366_2
 Spiaf_0668
 Spiaf_0739
 Spiaf_0272
 Spiaf_1866
 Spiaf_1728_2
 Spiaf_0731_1
 Spiaf_0239_1
 Spiaf_2366_1
 Spiaf_2304_1
 Spiaf_1728_1
 Spiaf_1727_1
 Spiaf_0362_1
 Spiaf_2180
 Spiaf_1066
 Spiaf_1865
 Spiaf_1811



Orphan
 Pair
 Triad
 Tetrad
 Pentad+

Cluster

Family

Domains

Cluster	Family	Domains
Orphan	CheY	1 Response_reg
Orphan	VieA	1 Response_reg,1 EAL
Orphan	CheB	1 Response_reg,1 CheB_methylest
Orphan	CheB	1 Response_reg,1 CheB_methylest
Orphan	CheY	1 Response_reg
Orphan	CheY	1 Response_reg
Pair	NarL	1 Response_reg,1 HTH_LUXR
Pair	NarL	1 Response_reg,1 HTH_LUXR
Pair	CheY	1 Response_reg
Pair	NtrC	1 Response_reg,1 AAA,1 HTH_8
Pair	NtrC	1 Response_reg,1 AAA_5,1 HTH_8
Pair	NtrC	1 Response_reg,1 AAA_5,1 HTH_8
Orphan	NtrC	1 Response_reg,1 AAA_5,1 HTH_8
Pair	PleD	1 Response_reg,1 GGDEF
Orphan	CheY	1 Response_reg
Pair	OmpR	1 Response_reg,1 Trans_reg_C
Orphan	Unorthodox	1 HisKA,1 HATPase_c,1 Response_reg,1 Hpt
Orphan	CheY	1 Response_reg
Orphan	CheY	1 REC
Orphan	CheY	1 Response_reg
Orphan	CheY	1 Response_reg
Pair	PleD_VieA	1 Response_reg,1 GGDEF,1 EAL
Pair	Hybrid	1 Response_reg,1 HisKA,1 HATPase_c
Orphan	unclassified	1 Response_reg
Pair	PleD	1 Response_reg,1 GGDEF
Pair	OmpR	1 Response_reg,1 Trans_reg_C
Pair	OmpR	1 Response_reg,1 Trans_reg_C
Orphan	CheY	1 Response_reg
Orphan	CheY	1 Response_reg
Orphan	CheY	1 Response_reg
Orphan	CheY	1 Response_reg
Orphan	Unorthodox	1 HisKA,1 HATPase_c,2 Response_reg,1 Hpt
Orphan	Hybrid	1 PAS_3,1 HisKA,1 HATPase_c,1 Response_reg
Orphan	Hybrid	2 PAS_4,1 HisKA,1 HATPase_c,1 Response_reg
Pair	Unorthodox	1 PAS,1 HisKA,1 HATPase_c,2 Response_reg,1 Hpt
Orphan	Hybrid	1 HisKA,1 HATPase_c,1 Response_reg
Orphan	Hybrid	1 SBP_bac_3,1 PAS,1 GAF,1 HisKA,1 HATPase_c,1 Response_reg
Orphan	Unorthodox	1 PAS,1 PAS_3,1 HisKA,1 HATPase_c,1 Response_reg,1 Hpt
Orphan	Unorthodox	1 PBpb,1 HisKA,1 HATPase_c,2 Response_reg,1 Hpt
Orphan	Unorthodox	2 PAS_4,1 PAS_3,1 GAF,1 HisKA,1 HATPase_c,2 Response_reg,1 Hpt
Pair	Hybrid	2 Response_reg,1 HisKA,1 HATPase_c
Pair	PleD_VieA	1 Response_reg,1 GGDEF,1 EAL
Orphan	CheY	1 Response_reg
Orphan	Hybrid	1 HisKA,1 HATPase_c,1 Response_reg
Pair	CheY	1 Response_reg
Orphan	Hybrid	2 Response_reg,1 HisKA,1 HATPase_c
Orphan	unclassified	1 Response_reg
Orphan	YesN	1 Response_reg,1 HTH_XRE,1 HTH_AraC
Pair	YesN	1 Response_reg,2 HTH_AraC
Orphan	CheY	1 Response_reg
Pair	FrzZ	2 Response_reg
Orphan	Unorthodox	1 PBpb,1 HisKA,1 HATPase_c,2 Response_reg,1 Hpt
Orphan	Unorthodox	2 PAS_4,1 PAS_3,1 GAF,1 HisKA,1 HATPase_c,2 Response_reg,1 Hpt
Orphan	Hybrid	2 Response_reg,1 HisKA,1 HATPase_c
Orphan	Hybrid	2 Response_reg,1 HisKA,1 HATPase_c
Pair	FrzZ	2 Response_reg
Pair	Unorthodox	1 PAS,1 HisKA,1 HATPase_c,2 Response_reg,1 Hpt
Orphan	Unorthodox	1 HisKA,1 HATPase_c,2 Response_reg,1 Hpt
Orphan	Hybrid	1 Response_reg,2 PAS_4,1 HisKA_2,1 HATPase_c
Orphan	CheY	1 Response_reg
Orphan	Hybrid	1 Response_reg,1 HisKA,1 HATPase_c
Orphan	PleD_VieA	1 Response_reg,1 PAS,1 GGDEF,1 EAL