



Msil\_3633  
 Msil\_1824  
 Msil\_2473\_1  
 Msil\_0424\_2  
 Msil\_3904  
 Msil\_0224  
 Msil\_3766  
 Msil\_2691  
 Msil\_0286  
 Msil\_3312  
 Msil\_2340  
 Msil\_2746  
 Msil\_1447  
 Msil\_0423  
 Msil\_2474\_1  
 Msil\_1442  
 Msil\_0531  
 Msil\_0321  
 Msil\_0529  
 Msil\_2682  
 Msil\_1825  
 Msil\_2681  
 Msil\_3829  
 Msil\_0485  
 Msil\_3144  
 Msil\_2271  
 Msil\_2019  
 Msil\_3527  
 Msil\_1234  
 Msil\_3208  
 Msil\_2780  
 Msil\_3591  
 Msil\_2474\_2  
 Msil\_3741  
 Msil\_2794  
 Msil\_0850  
 Msil\_2529  
 Msil\_0434  
 Msil\_3413  
 Msil\_0189  
 Msil\_0332  
 Msil\_2473\_2  
 Msil\_0424\_1  
 Msil\_2002  
 Msil\_2511  
 Msil\_0255  
 Msil\_1887  
 Msil\_0834  
 Msil\_2822  
 Msil\_3905  
 Msil\_3900  
 Msil\_3768  
 Msil\_1443  
 Msil\_2578  
 Msil\_3910  
 Msil\_2341  
 Msil\_2001  
 Msil\_3299  
 Msil\_2323

**Cluster**

**Family**

**Domains**

- Orphan
- Pair
- Triad
- Tetrad
- Pentad+

Cluster	Family	Domains
Orphan	CheY	1 Response_reg
Triad	CheY	1 Response_reg
Orphan	Hybrid	8 HAMP;1 GAF;1 HisKA;1 HATPase_c;2 Response_reg
Orphan	PleD	2 Response_reg;1 GGDEF
Orphan	Hybrid	1 HisKA;1 HATPase_c;1 Response_reg
Orphan	unclassified	1 Response_reg
Orphan	NtrC	1 Response_reg;1 AAA_5;1 HTH_8
Orphan	unclassified	1 Response_reg
Orphan	unclassified	1 Response_reg
Orphan	CheY	1 Response_reg
Orphan	Hybrid	1 HisKA;1 HATPase_c;1 Response_reg
Orphan	CheY	1 Response_reg
Orphan	CheY	1 Response_reg
Orphan	CheY	1 Response_reg
Orphan	Hybrid	2 Response_reg;1 HisKA;1 HATPase_c
Orphan	CheY	1 Response_reg
Tetrad	NtrC	1 Response_reg;1 AAA_5;1 HTH_8
Pair	PrrA	1 Response_reg;1 HTH_8
Tetrad	NtrC	1 Response_reg;1 AAA_5;1 HTH_8
Triad	NarL	1 Response_reg;1 GerE
Triad	NarL	1 Response_reg;1 GerE
Triad	CheY	1 Response_reg
Pair	NarL	1 Response_reg;1 HTH_LUXR
Pair	NarL	1 Response_reg;1 HTH_LUXR
Orphan	NarL	1 Response_reg;1 GerE
Pair	NarL	1 Response_reg;1 GerE
Pair	NarL	1 Response_reg;1 HTH_LUXR
Orphan	Hybrid	1 PAS;2 PAS_4;1 HisKA;1 HATPase_c;1 Response_reg
Orphan	CheY	1 Response_reg
Orphan	Hybrid	1 CHASE3;1 HisKA;1 HATPase_c;1 Response_reg
Orphan	Hybrid	1 HisKA;1 HATPase_c;1 Response_reg
Orphan	Hybrid	1 PAS;1 PAS_4;1 HisKA;1 HATPase_c;1 Response_reg
Orphan	Hybrid	2 Response_reg;1 HisKA;1 HATPase_c
Orphan	CheY	1 Response_reg
Orphan	CheY	1 Response_reg
Orphan	CheY	1 Response_reg
Orphan	OmpR	1 Response_reg;1 Trans_reg_C
Pair	OmpR	1 Response_reg;1 Trans_reg_C
Orphan	OmpR	1 Response_reg;1 Trans_reg_C
Pair	OmpR	1 Response_reg;1 Trans_reg_C
Orphan	OmpR	1 Response_reg;1 Trans_reg_C
Orphan	Hybrid	8 HAMP;1 GAF;1 HisKA;1 HATPase_c;2 Response_reg
Orphan	PleD	2 Response_reg;1 GGDEF
Pair	NarL	1 Response_reg;1 HTH_LUXR
Pair	OmpR	1 Response_reg;1 Trans_reg_C
Pair	OmpR	1 Response_reg;1 Trans_reg_C
Orphan	CyC-C	1 Response_reg;1 Guanylate_cyc
Orphan	OmpR	1 Response_reg;1 Trans_reg_C
Orphan	OmpR	1 Response_reg;1 Trans_reg_C
Orphan	OmpR	1 Response_reg;1 Trans_reg_C
Orphan	OmpR	1 Response_reg;1 Trans_reg_C
Orphan	AmiR_NasR	1 Response_reg;1 ANTAR
Orphan	CheB	1 Response_reg;1 CheB_methylest
Orphan	PrrA	1 Response_reg;1 HTH_8
Orphan	CheY	1 Response_reg
Orphan	NarL	1 Response_reg;1 HTH_LUXR
Pair	Hybrid	1 HisKA;1 HATPase_c;1 Response_reg
Orphan	unclassified	1 REC
Orphan	unclassified	1 REC