



Gobs\_4001  
Gobs\_0155  
Gobs\_4942  
Gobs\_3437  
Gobs\_2541  
Gobs\_2968  
Gobs\_2259  
Gobs\_0707  
Gobs\_0156  
Gobs\_0277\_2  
Gobs\_0277\_1  
Gobs\_2253  
Gobs\_5001  
Gobs\_4999  
Gobs\_2015  
Gobs\_1986  
Gobs\_2941  
Gobs\_4820  
Gobs\_3116  
Gobs\_4064  
Gobs\_1030  
Gobs\_2145  
Gobs\_4836  
Gobs\_1641  
Gobs\_1116  
Gobs\_3208  
Gobs\_1115  
Gobs\_5003  
Gobs\_3623  
Gobs\_4437  
Gobs\_0223  
Gobs\_4449  
Gobs\_0748  
Gobs\_1316  
Gobs\_0771  
Gobs\_4693  
Gobs\_2815  
Gobs\_2351  
Gobs\_4602  
Gobs\_4285  
Gobs\_1319  
Gobs\_0116  
Gobs\_1518  
Gobs\_4657  
Gobs\_0276  
Gobs\_4814  
Gobs\_1519

**Cluster**

**Family**

**Domains**

- Orphan
- Pair
- Triad
- Tetrad
- Pentad+

Cluster	Family	Domains
Orphan	NarL	1 Response_reg,1 HTH_LUXR
Orphan	NarL	1 Response_reg,1 HTH_LUXR
Pair	NarL	1 Response_reg,1 HTH_LUXR
Pair	NarL	1 Response_reg,1 HTH_LUXR
Pair	NarL	1 Response_reg,1 HTH_LUXR
Orphan	CitT	1 Response_reg,1 CitT,1 TrmB
Pair	IclR	1 Response_reg,1 HTH_IclR
Orphan	NarL	1 Response_reg,1 HTH_LUXR
Orphan	NarL	1 Response_reg,1 HTH_LUXR
Pair	Unorthodox	1 CHASE3,1 HAMP,1 HisKA,1 HATPase_c,2 Response_reg,1 Hpt
Pair	Unorthodox	1 CHASE3,1 HAMP,1 HisKA,1 HATPase_c,2 Response_reg,1 Hpt
Pair	TrxB	1 Response_reg,1 Pyr_redox
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	NarL	1 Response_reg,1 HTH_LUXR
Orphan	NarL	1 Response_reg,1 HTH_LUXR
Pair	NarL	1 Response_reg,1 HTH_LUXR
Pair	NarL	1 Response_reg,1 HTH_LUXR
Pair	NarL	1 Response_reg,1 HTH_LUXR
Pair	NarL	1 Response_reg,1 HTH_LUXR
Orphan	NarL	1 Response_reg,1 HTH_LUXR
Pair	NarL	1 Response_reg,1 HTH_LUXR
Triad	CheY	1 Response_reg
Orphan	AmiR_NasR	1 Response_reg,1 ANTAR
Triad	NarL	1 Response_reg,1 HTH_LUXR
Orphan	CheB	1 Response_reg,1 CheB_methylst
Pair	CitT	1 Response_reg,1 CitT
Pair	NarL	1 Response_reg,1 HTH_LUXR
Pair	NarL	1 Response_reg,1 HTH_LUXR
Orphan	NarL	1 Response_reg,1 HTH_LUXR
Pair	unclassified	1 REC
Orphan	OmpR	1 Response_reg,1 Trans_reg_C
Pair	OmpR	1 Response_reg,1 Trans_reg_C
Pair	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
Pair	OmpR	1 Response_reg,1 Trans_reg_C
Pair	OmpR	1 Response_reg,1 Trans_reg_C
Pair	CheY	1 Response_reg
Orphan	Hybrid	1 HisKA,2 HATPase_c,1 Response_reg,1 PAS_3,2 GAF,1 SpoIIIE,1 STAS
Tetrad	unclassified	1 Response_reg
Pair	OmpR	1 Response_reg,1 Trans_reg_C
Pair	CheY	1 Response_reg
Orphan	Hybrid	1 HisKA,2 HATPase_c,1 Response_reg
Tetrad	CheY	1 Response_reg