



Spica\_2338  
 Spica\_0800  
 Spica\_2766  
 Spica\_0961  
 Spica\_0880  
 Spica\_2485  
 Spica\_2370\_2  
 Spica\_2532  
 Spica\_2370\_1  
 Spica\_1509  
 Spica\_1193  
 Spica\_2580  
 Spica\_0471  
 Spica\_0198\_1  
 Spica\_2631  
 Spica\_0767  
 Spica\_0733  
 Spica\_2603  
 Spica\_2322  
 Spica\_2146  
 Spica\_2214  
 Spica\_2011  
 Spica\_1862  
 Spica\_0033  
 Spica\_2130  
 Spica\_0308  
 Spica\_0213  
 Spica\_0123  
 Spica\_2284  
 Spica\_0150  
 Spica\_2403  
 Spica\_2371\_1  
 Spica\_2564  
 Spica\_0803\_2  
 Spica\_0236  
 Spica\_2064  
 Spica\_0803\_1  
 Spica\_0968  
 Spica\_0696  
 Spica\_2789  
 Spica\_1963\_2  
 Spica\_1963\_1  
 Spica\_0296  
 Spica\_2346  
 Spica\_0470  
 Spica\_0743  
 Spica\_2371\_2  
 Spica\_0198\_2  
 Spica\_2005  
 Spica\_2343  
 Spica\_0801  
 Spica\_1608  
 Spica\_0498  
 Spica\_0295  
 Spica\_0083

Cluster	Family	Domains
Orphan	CheB	1 Response_reg,1 CheB_methylest
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
Orphan	NtrC	1 Response_reg,1 AAA_5,1 HTH_8
Pair	FrzZ	2 Response_reg
Orphan	CheY	1 Response_reg
Pair	FrzZ	2 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,1 HTH_8
Orphan	unclassified	1 REC
Orphan	Hybrid	2 Response_reg,1 PAS,1 HisKA,1 HATPase_c
Pair	YesN	1 Response_reg,1 HTH_AraC
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	YesN	1 Response_reg,2 HTH_AraC
Pair	YesN	1 Response_reg,1 HTH_AraC
Pair	YesN	1 Response_reg,1 Rrf2,1 HTH_AraC
Pair	YesN	1 Response_reg,1 HTH_AraC
Pair	YesN	1 Response_reg,1 HTH_AraC
Pair	YesN	1 Response_reg,2 HTH_AraC
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
Pair	NarL	1 Response_reg,1 HTH_LUXR
Pair	NarL	1 Response_reg,1 HTH_LUXR
Orphan	Hybrid	1 PAS,1 PAC,1 HisKA,1 HATPase_c,1 Response_reg
Pair	Unorthodox	1 HisKA,1 HATPase_c,2 Response_reg,1 Hpt
Orphan	CheY	1 Response_reg
Orphan	Hybrid	2 Response_reg,1 PAS,1 HisKA,1 HATPase_c
Orphan	unclassified	1 Response_reg,1 AAA_5
Pair	PleD_VieA	1 Response_reg,1 PAS,1 GGDEF,1 EAL
Orphan	Hybrid	2 Response_reg,1 PAS,1 HisKA,1 HATPase_c
Pair	NtrC	1 Response_reg,1 AAA_5,1 HTH_8
Orphan	RsbU	1 Response_reg,1 SpoII
Orphan	CheY	1 Response_reg
Orphan	PleD	2 Response_reg,1 GGDEF
Orphan	PleD	2 Response_reg,1 GGDEF
Orphan	Hybrid	1 HisKA,1 HATPase_c,1 Response_reg
Orphan	CheY	1 Response_reg
Orphan	unclassified	1 Response_reg
Orphan	Hybrid	1 HisKA,1 HATPase_c,1 Response_reg,1 HTH_LUXR
Pair	Unorthodox	1 HisKA,1 HATPase_c,2 Response_reg,1 Hpt
Orphan	Hybrid	2 Response_reg,1 PAS,1 HisKA,1 HATPase_c
Pair	OmpR	1 Response_reg,1 Trans_reg_C
Orphan	CheY	1 Response_reg
Orphan	CheY	1 Response_reg
Orphan	unclassified	1 Response_reg
Orphan	unclassified	1 Response_reg,1 PP2C_SIG
Pair	unclassified	1 Response_reg
Orphan	unclassified	1 Response_reg