



Ping\_3719\_1  
 Ping\_0979\_1  
 Ping\_2536  
 Ping\_1192  
 Ping\_2537  
 Ping\_2024  
 Ping\_0424  
 Ping\_3488  
 Ping\_0712  
 Ping\_2139  
 Ping\_0483  
 Ping\_2025  
 Ping\_1747  
 Ping\_1251  
 Ping\_0979\_2  
 Ping\_0528  
 Ping\_3329  
 Ping\_0484  
 Ping\_2140  
 Ping\_2342  
 Ping\_2340  
 Ping\_3719\_3  
 Ping\_2985  
 Ping\_0924  
 Ping\_3722  
 Ping\_2898  
 Ping\_1864  
 Ping\_3719\_2  
 Ping\_2805  
 Ping\_2984  
 Ping\_0978  
 Ping\_3328  
 Ping\_1745  
 Ping\_1245  
 Ping\_1228  
 Ping\_0282  
 Ping\_2232  
 Ping\_2286  
 Ping\_1375  
 Ping\_0988  
 Ping\_2802  
 Ping\_1195

**Cluster**

**Family**

**Domains**

- Orphan
- Pair
- Triad
- Tetrad
- Pentad+

Cluster	Family	Domains
<span style="color: yellow;">■</span>	Hybrid	1 HAMP,1 GAF,1 HisKA,1 HATPase_c,3 Response_reg
<span style="color: blue;">■</span>	Unorthodox	3 SBP_bac_3,1 HisKA,1 HATPase_c,2 Response_reg,1 Hpt
<span style="color: yellow;">■</span>	NarL	1 Response_reg,1 HTH_LUXR
<span style="color: yellow;">■</span>	NarL	1 Response_reg,1 GerE
<span style="color: yellow;">■</span>	Hybrid	2 PAS_4,1 HisKA,1 HATPase_c,1 Response_reg
<span style="color: blue;">■</span>	Hybrid	2 PAS,1 HisKA,1 HATPase_c,1 Response_reg
<span style="color: yellow;">■</span>	NtrC	1 Response_reg,1 AAA_5,1 HTH_8
<span style="color: blue;">■</span>	NtrC	1 Response_reg,1 AAA_2,1 HTH_8
<span style="color: yellow;">■</span>	NtrC	1 Response_reg,1 AAA_5,1 HTH_8
<span style="color: blue;">■</span>	CheY	1 Response_reg
<span style="color: blue;">■</span>	VieA	1 Response_reg,1 EAL
<span style="color: blue;">■</span>	VieA	1 Response_reg,1 EAL
<span style="color: green;">■</span>	CheY	1 Response_reg
<span style="color: blue;">■</span>	CheY	1 Response_reg
<span style="color: blue;">■</span>	Unorthodox	3 SBP_bac_3,1 HisKA,1 HATPase_c,2 Response_reg,1 Hpt
<span style="color: yellow;">■</span>	Unorthodox	1 HAMP,1 HisKA,1 HATPase_c,1 Response_reg,1 Hpt
<span style="color: blue;">■</span>	Unorthodox	1 Cache_2,1 HAMP,1 HisKA,1 HATPase_c,1 Response_reg,1 Hpt
<span style="color: blue;">■</span>	Unorthodox	1 CHASE,1 PAS_3,1 PAS,1 HisKA,1 HATPase_c,1 Response_reg,1 Hpt
<span style="color: blue;">■</span>	Unorthodox	1 PAS,1 HisKA,1 HATPase_c,1 Response_reg,1 Hpt
<span style="color: yellow;">■</span>	CheY	1 Response_reg
<span style="color: yellow;">■</span>	CheY	1 Response_reg
<span style="color: yellow;">■</span>	Hybrid	1 HAMP,1 GAF,1 HisKA,1 HATPase_c,3 Response_reg
<span style="color: blue;">■</span>	Hybrid	1 HisKA,1 HATPase_c,1 Response_reg
<span style="color: yellow;">■</span>	Unorthodox	1 PAS_4,1 HisKA,1 HATPase_c,1 Response_reg,1 Hpt
<span style="color: yellow;">■</span>	PleD_VieA	1 Response_reg,1 PAS,1 GGDEF,1 EAL
<span style="color: yellow;">■</span>	OmpR	1 Trans_reg_C,1 Response_reg
<span style="color: yellow;">■</span>	CitT	1 Response_reg,1 CitT
<span style="color: yellow;">■</span>	Hybrid	1 HAMP,1 GAF,1 HisKA,1 HATPase_c,3 Response_reg
<span style="color: yellow;">■</span>	Hybrid	1 PAS_4,1 HisKA,1 HATPase_c,1 REC
<span style="color: blue;">■</span>	NarL	1 Response_reg,1 HTH_LUXR
<span style="color: blue;">■</span>	PleD	1 Response_reg,1 GGDEF
<span style="color: blue;">■</span>	PleD_VieA	1 Response_reg,1 GGDEF,1 EAL
<span style="color: green;">■</span>	NtrC	1 Response_reg,1 AAA_5,1 HTH_8
<span style="color: yellow;">■</span>	NtrC	1 Response_reg,1 AAA_5,1 HTH_8
<span style="color: blue;">■</span>	OmpR	1 Response_reg,1 Trans_reg_C
<span style="color: blue;">■</span>	OmpR	1 Response_reg,1 Trans_reg_C
<span style="color: blue;">■</span>	OmpR	1 Response_reg,1 Trans_reg_C
<span style="color: blue;">■</span>	OmpR	1 Response_reg,1 Trans_reg_C
<span style="color: yellow;">■</span>	OmpR	1 Response_reg,1 Trans_reg_C
<span style="color: blue;">■</span>	OmpR	1 Response_reg,1 Trans_reg_C
<span style="color: yellow;">■</span>	OmpR	1 Response_reg,1 Trans_reg_C
<span style="color: yellow;">■</span>	OmpR	1 Response_reg,1 Trans_reg_C