



VEJY3\_05005  
 VEJY3\_02200  
 VEJY3\_11490  
 VEJY3\_03535  
 VEJY3\_08220\_2  
 VEJY3\_08220\_1  
 VEJY3\_11240  
 VEJY3\_07100  
 VEJY3\_10305  
 VEJY3\_06835  
 VEJY3\_13240  
 VEJY3\_08720  
 VEJY3\_07385  
 VEJY3\_11590  
 VEJY3\_00535  
 VEJY3\_10905  
 VEJY3\_08725  
 VEJY3\_10460  
 VEJY3\_04185  
 VEJY3\_07180  
 VEJY3\_08515  
 VEJY3\_07940  
 VEJY3\_02430  
 VEJY3\_14570  
 VEJY3\_10205  
 VEJY3\_02955  
 VEJY3\_11475  
 VEJY3\_10050  
 VEJY3\_14600  
 VEJY3\_00355  
 VEJY3\_06915  
 VEJY3\_06005  
 VEJY3\_12810  
 VEJY3\_02600  
 VEJY3\_08540  
 VEJY3\_10365  
 VEJY3\_06830  
 VEJY3\_08035  
 VEJY3\_05850  
 VEJY3\_14535  
 VEJY3\_00715  
 VEJY3\_04135  
 VEJY3\_04795  
 VEJY3\_02210

**Cluster**

**Family**

**Domains**

- Orphan
- Pair
- Triad
- Tetrad
- Pentad+

Cluster	Family	Domains
<span style="color: yellow;">■</span>	Hybrid	1 Cache_1,1 HAMP,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>	CheY	1 Response_reg
<span style="color: yellow;">■</span>	CheV	1 CheW,1 Response_reg
<span style="color: yellow;">■</span>	Hybrid	1 HisKA,1 HATPase_c,2 Response_reg
<span style="color: yellow;">■</span>	Hybrid	1 HisKA,1 HATPase_c,2 Response_reg
<span style="color: yellow;">■</span>	unclassified	1 Response_reg
<span style="color: yellow;">■</span>	unclassified	1 Response_reg
<span style="color: yellow;">■</span>	Hybrid	1 HisKA,1 HATPase_c,1 Response_reg
<span style="color: blue;">■</span>	Hybrid	1 HisKA,1 HATPase_c,1 Response_reg
<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 HAMP,1 HisKA,1 HATPase_c,1 Response_reg,1 Hpt
<span style="color: yellow;">■</span>	Hybrid	1 HisKA,1 HATPase_c,1 Response_reg
<span style="color: blue;">■</span>	NtrC	1 Response_reg,1 AAA_5,1 HTH_8
<span style="color: blue;">■</span>	NtrC	1 Response_reg,1 AAA_5,1 HTH_8
<span style="color: yellow;">■</span>	NtrC	1 Response_reg,1 AAA,1 HTH_8
<span style="color: blue;">■</span>	NtrC	1 Response_reg,1 AAA_5,1 HTH_8
<span style="color: blue;">■</span>	NarL	1 Response_reg,1 GerE
<span style="color: blue;">■</span>	NtrC	1 Response_reg,1 AAA_5,1 HTH_8
<span style="color: blue;">■</span>	NtrC	1 Response_reg,1 AAA_5,1 HTH_8
<span style="color: blue;">■</span>	YesN	1 Response_reg,2 HTH_AraC
<span style="color: blue;">■</span>	CitT	1 Response_reg,1 CitT,1 HTH_11
<span style="color: blue;">■</span>	LytTR	1 Response_reg,1 LytTR
<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: blue;">■</span>	NarL	1 Response_reg,1 HTH_LUXR
<span style="color: blue;">■</span>	CheB	1 Response_reg,1 CheB_methylest
<span style="color: blue;">■</span>	NarL	1 Response_reg,1 HTH_LUXR
<span style="color: yellow;">■</span>	Hybrid	1 PAS_4,1 HisKA,1 HATPase_c,1 Response_reg
<span style="color: yellow;">■</span>	unclassified	1 Response_reg
<span style="color: blue;">■</span>	CheY	1 Response_reg
<span style="color: blue;">■</span>	CheY	1 Response_reg
<span style="color: yellow;">■</span>	Hybrid	1 HAMP,1 HisKA,1 HATPase_c,1 Response_reg
<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>	NarL	1 Response_reg,1 HTH_LUXR
<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: 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