



CJA\_2947  
 CJA\_0150  
 CJA\_0080  
 CJA\_0074  
 CJA\_0328  
 CJA\_0078  
 CJA\_2140  
 CJA\_0190  
 CJA\_3356  
 CJA\_2876\_2  
 CJA\_1461  
 CJA\_1190  
 CJA\_3653  
 CJA\_1897  
 CJA\_0953  
 CJA\_2420  
 CJA\_3511  
 CJA\_0139  
 CJA\_1855  
 CJA\_2846  
 CJA\_1803  
 CJA\_0037  
 CJA\_1406  
 CJA\_0782  
 CJA\_1709  
 CJA\_0389  
 CJA\_3209  
 CJA\_3537  
 CJA\_1486  
 CJA\_0907  
 CJA\_2460  
 CJA\_0757\_2  
 CJA\_3178  
 CJA\_2957  
 CJA\_2560  
 CJA\_2447  
 CJA\_1785  
 CJA\_0249  
 CJA\_1087  
 CJA\_3359  
 CJA\_2939  
 CJA\_0757\_1  
 CJA\_0754  
 CJA\_1189  
 CJA\_0973\_2  
 CJA\_2461\_1  
 CJA\_2281  
 CJA\_3354\_2  
 CJA\_3395  
 CJA\_2640  
 CJA\_0973\_1  
 CJA\_2940  
 CJA\_2137  
 CJA\_2559  
 CJA\_2445  
 CJA\_1934  
 CJA\_0359\_1  
 CJA\_1901  
 CJA\_1809  
 CJA\_0954  
 CJA\_0253\_1  
 CJA\_3399  
 CJA\_1186  
 CJA\_3354\_1  
 CJA\_2876\_1  
 CJA\_2461\_2  
 CJA\_0253\_2  
 CJA\_0359\_2  
 CJA\_1733  
 CJA\_2579  
 CJA\_1898  
 CJA\_3654

**Cluster**

**Family**

**Domains**

- Orphan
- Pair
- Triad
- Tetrad
- Pentad+

<span style="color: yellow;">■</span>	CheY	1 Response_reg
<span style="color: blue;">■</span>	OmpR	1 Response_reg,1 Trans_reg_C
<span style="color: yellow;">■</span>	CheY	1 Response_reg
<span style="color: yellow;">■</span>	CheA	4 Hpt,1 H-kinase_dim,1 HATPase_c,1 CheW,1 Response_reg
<span style="color: yellow;">■</span>	unclassified	1 Response_reg
<span style="color: yellow;">■</span>	CheY	1 Response_reg
<span style="color: yellow;">■</span>	CheY	1 Response_reg
<span style="color: yellow;">■</span>	unclassified	1 Response_reg
<span style="color: green;">■</span>	CheY	1 Response_reg
<span style="color: yellow;">■</span>	VieA	1 Hpt,2 Response_reg,1 EAL
<span style="color: yellow;">■</span>	Hybrid	2 PAS_3,1 HisKA,1 HATPase_c,1 Response_reg
<span style="color: blue;">■</span>	Unorthodox	1 PAS_4,1 HisKA,1 HATPase_c,1 Response_reg,1 Hpt
<span style="color: blue;">■</span>	PleD_VieA	1 Response_reg,1 GGDEF,1 EAL
<span style="color: blue;">■</span>	RpfG	1 Response_reg,1 HD
<span style="color: blue;">■</span>	NarL	1 Response_reg,1 HTH_LUXR
<span style="color: yellow;">■</span>	PleD	1 Response_reg,1 GGDEF
<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: 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>	NtrC	1 Response_reg,1 AAA_5,1 HTH_8
<span style="color: blue;">■</span>	unclassified	1 Response_reg,1 AAA_5
<span style="color: blue;">■</span>	PrrA	1 Response_reg,1 HTH_8
<span style="color: blue;">■</span>	NtrC	1 Response_reg,1 AAA_5,1 HTH_8
<span style="color: yellow;">■</span>	RsbU	1 Response_reg,1 SpoIIIE
<span style="color: blue;">■</span>	PrrA	1 Response_reg,1 HTH_8
<span style="color: blue;">■</span>	PleD_VieA	1 Response_reg,1 PAS_4,1 GGDEF,1 EAL
<span style="color: yellow;">■</span>	PleD_VieA	2 Response_reg,1 PAS,1 GGDEF,1 EAL
<span style="color: blue;">■</span>	NarL	1 Response_reg,1 HTH_LUXR
<span style="color: yellow;">■</span>	PleD_VieA	1 Response_reg,1 GGDEF,1 EAL
<span style="color: green;">■</span>	PleD_VieA	1 Response_reg,1 GGDEF,1 EAL
<span style="color: green;">■</span>	PleD_VieA	1 Response_reg,1 PAS_3,1 GGDEF,1 EAL
<span style="color: yellow;">■</span>	NarL	1 Response_reg,1 GerE
<span style="color: blue;">■</span>	LytTR	1 Response_reg,1 LytTR
<span style="color: blue;">■</span>	NarL	1 Response_reg,1 HTH_LUXR
<span style="color: green;">■</span>	Hybrid	2 PAS_3,1 GAF,1 PAS,1 HisKA,1 HATPase_c,1 Response_reg
<span style="color: yellow;">■</span>	VieA	1 Response_reg,1 EAL
<span style="color: yellow;">■</span>	PleD_VieA	2 Response_reg,1 PAS,1 GGDEF,1 EAL
<span style="color: yellow;">■</span>	Hybrid	1 Fez1,1 HisKA,1 HATPase_c,1 REC
<span style="color: blue;">■</span>	VieA	1 Response_reg,1 EAL
<span style="color: yellow;">■</span>	PleD	2 Response_reg,1 GGDEF
<span style="color: blue;">■</span>	Unorthodox	1 HAMP,1 HisKA,1 HATPase_c,2 Response_reg,1 Hpt
<span style="color: yellow;">■</span>	CheY	1 Response_reg
<span style="color: yellow;">■</span>	PleD	1 Hpt,2 Response_reg,1 GGDEF
<span style="color: yellow;">■</span>	PleD_VieA	1 Response_reg,1 GGDEF,1 EAL
<span style="color: yellow;">■</span>	RsbU	1 Response_reg,1 SpoIIIE
<span style="color: yellow;">■</span>	PleD	2 Response_reg,1 GGDEF
<span style="color: yellow;">■</span>	CheB	1 Response_reg,1 CheB_methylest
<span style="color: blue;">■</span>	CheB	1 Response_reg,1 CheB_methylest
<span style="color: green;">■</span>	CheY	1 Response_reg
<span style="color: green;">■</span>	CheY	1 Response_reg
<span style="color: yellow;">■</span>	CheV	1 CheW,1 Response_reg
<span style="color: yellow;">■</span>	Hybrid	1 HAMP,1 HisKA,1 HATPase_c,2 Response_reg
<span style="color: yellow;">■</span>	unclassified	1 Response_reg
<span style="color: blue;">■</span>	unclassified	1 Response_reg
<span style="color: yellow;">■</span>	Hybrid	1 HisKA,1 HATPase_c,1 Response_reg
<span style="color: yellow;">■</span>	Hybrid	1 PAS_3,1 HisKA,1 HATPase_c,2 Response_reg
<span style="color: blue;">■</span>	NtrC	1 Response_reg,1 AAA_5,1 HTH_8
<span style="color: yellow;">■</span>	NarL	1 Response_reg,1 HTH_LUXR
<span style="color: yellow;">■</span>	PleD	1 Hpt,2 Response_reg,1 GGDEF
<span style="color: yellow;">■</span>	VieA	1 Hpt,2 Response_reg,1 EAL
<span style="color: blue;">■</span>	Unorthodox	1 HAMP,1 HisKA,1 HATPase_c,2 Response_reg,1 Hpt
<span style="color: yellow;">■</span>	Hybrid	1 PAS_3,1 HisKA,1 HATPase_c,2 Response_reg
<span style="color: yellow;">■</span>	Hybrid	1 HAMP,1 HisKA,1 HATPase_c,2 Response_reg
<span style="color: yellow;">■</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	3 MHYT,1 PAS,2 PAS_3,1 HisKA,1 HATPase_c,1 Response_reg,1 Hpt
<span style="color: blue;">■</span>	Hybrid	1 MASE,1 PAS_4,1 PAS_3,1 HisKA,1 HATPase_c,1 Response_reg