



Gura\_4271  
 Gura\_2373  
 Gura\_2023  
 Gura\_0269  
 Gura\_2743  
 Gura\_2707  
 Gura\_2781  
 Gura\_2428  
 Gura\_3565  
 Gura\_2111  
 Gura\_3573  
 Gura\_3414  
 Gura\_2017  
 Gura\_0853  
 Gura\_0494  
 Gura\_0128  
 Gura\_1841  
 Gura\_2698  
 Gura\_2679  
 Gura\_2932  
 Gura\_0915  
 Gura\_3646  
 Gura\_1801  
 Gura\_3741  
 Gura\_0084  
 Gura\_3364  
 Gura\_0737  
 Gura\_2388  
 Gura\_1422  
 Gura\_3392  
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 Gura\_4377  
 Gura\_4294  
 Gura\_1549  
 Gura\_0009  
 Gura\_0218  
 Gura\_0011  
 Gura\_0224  
 Gura\_4221  
 Gura\_2062  
 Gura\_1571  
 Gura\_0008  
 Gura\_1335  
 Gura\_1224  
 Gura\_1987  
 Gura\_1496  
 Gura\_0051  
 Gura\_1547  
 Gura\_1221  
 Gura\_4191  
 Gura\_2841  
 Gura\_3624  
 Gura\_2752  
 Gura\_2694  
 Gura\_2169  
 Gura\_2993  
 Gura\_0721  
 Gura\_1543  
 Gura\_1730  
 Gura\_0010  
 Gura\_4364  
 Gura\_1286  
 Gura\_0541  
 Gura\_2988  
 Gura\_0344  
 Gura\_3024  
 Gura\_2853  
 Gura\_2014  
 Gura\_0423  
 Gura\_3377  
 Gura\_0875  
 Gura\_2281  
 Gura\_4420  
 Gura\_3146  
 Gura\_4171  
 Gura\_0053  
 Gura\_4378  
 Gura\_1374  
 Gura\_2783  
 Gura\_0760  
 Gura\_0744  
 Gura\_2118  
 Gura\_1729  
 Gura\_2792  
 Gura\_2442  
 Gura\_2115  
 Gura\_1312  
 Gura\_2172

**Cluster**

**Family**

**Domains**

- Orphan
- Pair
- Triad
- Tetrad
- Pentad+

<span style="color: blue;">■</span>	Hybrid	1 PAS_4,1 HisKA,1 HATPase_c,1 Response_reg
<span style="color: blue;">■</span>	Hybrid	2 Response_reg,2 PAS,1 HisKA,1 HATPase_c
<span style="color: yellow;">■</span>	Hybrid	1 PAS_4,1 GAF,1 HisKA,1 HATPase_c,1 Response_reg
<span style="color: yellow;">■</span>	Hybrid	1 HAMP,1 PAS_4,1 HisKA,1 HATPase_c,1 Response_reg
<span style="color: blue;">■</span>	Hybrid	1 PAC,3 PAS_4,1 HisKA,1 HATPase_c,1 Response_reg
<span style="color: blue;">■</span>	Hybrid	1 GAF,1 PAS,1 HisKA,1 HATPase_c,1 Response_reg
<span style="color: blue;">■</span>	Hybrid	1 PAS_4,1 HisKA,1 HATPase_c,1 Response_reg
<span style="color: yellow;">■</span>	Hybrid	1 HAMP,1 HisKA,1 HATPase_c,1 Response_reg
<span style="color: yellow;">■</span>	Classic	2 PAS_4,1 PAS_3,1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 PAS,1 PAS_3,1 PAS_4,1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 PAS_4,1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 GAF,1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 HAMP,1 HisKA,1 HATPase_c
<span style="color: yellow;">■</span>	Classic	1 GAF,1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 Cache_1,1 HAMP,1 PAS_4,1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 PAS_4,1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 PAS,1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Hybrid	1 Response_reg,1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 PAS_4,1 HisKA,1 HATPase_c
<span style="color: yellow;">■</span>	Classic	1 HAMP,1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 HAMP,1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 HisKA,1 HATPase_c
<span style="color: yellow;">■</span>	Classic	1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 PAS_4,1 HisKA,1 HATPase_c
<span style="color: yellow;">■</span>	Classic	2 Cache_2,1 HAMP,1 HisKA,1 HATPase_c
<span style="color: red;">■</span>	Classic	1 Cache_1,1 HAMP,1 HisKA,1 HATPase_c
<span style="color: red;">■</span>	Classic	1 HAMP,1 HisKA,1 HATPase_c
<span style="color: yellow;">■</span>	Classic	1 HAMP,1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Hybrid	1 Response_reg,1 PAS_4,1 PAS,1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 HAMP,1 HisKA,1 HATPase_c
<span style="color: green;">■</span>	Classic	2 PAS_4,1 PAS,1 GAF,1 HisKA,1 HATPase_c
<span style="color: yellow;">■</span>	Hybrid	1 Response_reg,1 PAS_4,1 HisKA,1 HATPase_c
<span style="color: yellow;">■</span>	Classic	1 PAS,1 GAF,1 HisKA,1 HATPase_c
<span style="color: yellow;">■</span>	Hybrid	1 Response_reg,1 PAS_4,1 GAF,1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Hybrid	1 Response_reg,1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 PAS_4,1 HisKA,1 HATPase_c
<span style="color: yellow;">■</span>	Classic	1 HAMP,1 PAS,1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 HAMP,1 PAS,1 HisKA,1 HATPase_c
<span style="color: yellow;">■</span>	Classic	1 HAMP,1 PAS,1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 HAMP,1 PAS,1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 HAMP,1 HisKA,1 HATPase_c
<span style="color: yellow;">■</span>	Hybrid	1 Response_reg,1 GAF,1 PAS,1 HisKA,1 HATPase_c
<span style="color: green;">■</span>	Classic	1 HAMP,1 PAS,1 HisKA,1 HATPase_c
<span style="color: green;">■</span>	Hybrid	1 Response_reg,1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 PAS_4,1 PAS_3,1 PAS,1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 HAMP,1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 HAMP,1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 HAMP,1 HisKA,1 HATPase_c
<span style="color: green;">■</span>	CheA	1 Hpt,1 H-kinase_dim,1 HATPase_c,1 CheW
<span style="color: yellow;">■</span>	CheA	1 Hpt,1 H-kinase_dim,1 HATPase_c,1 CheW
<span style="color: blue;">■</span>	CheA	1 Hpt,1 H-kinase_dim,1 HATPase_c,1 CheW
<span style="color: blue;">■</span>	CheA	1 Hpt,1 H-kinase_dim,1 HATPase_c,1 CheW
<span style="color: blue;">■</span>	Classic	1 HisKA_3,1 HATPase_c
<span style="color: yellow;">■</span>	Hybrid	1 Response_reg,1 GAF,1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 PAS_4,1 PAS_3,1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 HisKA,1 HATPase_c
<span style="color: yellow;">■</span>	Classic	1 Cache_1,1 HAMP,2 PAS,1 HisKA,1 HATPase_c
<span style="color: yellow;">■</span>	Classic	1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 PAS_3,1 HisKA,1 HATPase_c
<span style="color: yellow;">■</span>	Classic	2 PAS_4,1 HisKA,1 HATPase_c
<span style="color: yellow;">■</span>	Classic	2 PAS_4,1 HisKA,1 HATPase_c
<span style="color: yellow;">■</span>	Classic	2 PAS_4,1 HisKA,1 HATPase_c
<span style="color: yellow;">■</span>	Classic	2 PAS,2 PAS_4,1 PAS_3,1 HisKA,1 HATPase_c
<span style="color: yellow;">■</span>	Classic	1 PAS_3,1 PAS,1 HisKA,1 HATPase_c
<span style="color: yellow;">■</span>	Classic	4 PAS,1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 PAS,1 HisKA,1 HATPase_c
<span style="color: yellow;">■</span>	Classic	2 PAS_4,2 PAS,1 PAC,1 HisKA,1 HATPase_c
<span style="color: green;">■</span>	CheA	1 Hpt,1 H-kinase_dim,1 HATPase_c,1 CheW
<span style="color: green;">■</span>	CheA	1 Hpt,1 H-kinase_dim,1 HATPase_c,1 CheW
<span style="color: green;">■</span>	CheA	1 Hpt,1 H-kinase_dim,1 HATPase_c,1 CheW,1 Response_reg
<span style="color: blue;">■</span>	Classic	1 HisKA,1 HATPase_c
<span style="color: yellow;">■</span>	Classic	1 PAC,1 PAS_4,1 PAS,1 GAF,1 HisKA,1 HATPase_c
<span style="color: yellow;">■</span>	Classic	1 HAMP,1 PAS,1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	2 PAS_4,1 HisKA_3,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 HisKA_3,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 HisKA_3,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 PAS,1 HisKA_2,1 HATPase_c
<span style="color: yellow;">■</span>	Classic	1 Cache_1,1 HAMP,3 PAS_4,1 HisKA_2,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 GAF,1 His_kinase,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 His_kinase,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 SBP_bac_3,1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 SBP_bac_3,1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 PAS_3,1 HisKA,1 HATPase_c