



Acav\_4278  
Acav\_3771  
Acav\_4112  
Acav\_1119  
Acav\_0624  
Acav\_3217  
Acav\_3122  
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Acav\_4007  
Acav\_0816  
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Acav\_3475  
Acav\_2111  
Acav\_4223  
Acav\_1533  
Acav\_0806  
Acav\_2296  
Acav\_2875  
Acav\_0205  
Acav\_1630  
Acav\_0331  
Acav\_4502  
Acav\_3301  
Acav\_3863  
Acav\_2284  
Acav\_4497  
Acav\_4569  
Acav\_1980  
Acav\_0052  
Acav\_2794  
Acav\_1913  
Acav\_3260  
Acav\_3896  
Acav\_2318  
Acav\_0799  
Acav\_0384  
Acav\_2630  
Acav\_1483  
Acav\_2571  
Acav\_0428  
Acav\_4181  
Acav\_3096  
Acav\_2321  
Acav\_3899  
Acav\_2322  
Acav\_2904  
Acav\_2190  
Acav\_3418  
Acav\_0234

**Cluster**

**Family**

**Domains**

- Orphan
- Pair
- Triad
- Tetrad
- Pentad+

Cluster	Family	Domains
<span style="color: blue;">■</span>	Hybrid	1 Response_reg,1 HisKA_3,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 CHASE3,1 HisKA_3,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 Cache_2,1 HisKA_3,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 Cache_2,1 HisKA_3,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 HAMP,1 GAF,1 HisKA_3,1 HATPase_c
<span style="color: blue;">■</span>	Classic	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 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 HAMP,1 HisKA,1 HATPase_c
<span style="color: yellow;">■</span>	Classic	1 HisKA,1 HATPase_c
<span style="color: yellow;">■</span>	Classic	1 PAS,1 PAS_3,1 HisKA,1 HATPase_c
<span style="color: yellow;">■</span>	Hybrid	1 HisKA,1 HATPase_c,1 Response_reg
<span style="color: blue;">■</span>	Classic	1 2CSK_N,1 HAMP,1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 2CSK_N,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 PAS,1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 PAS,1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 HisKA,1 HATPase_c
<span style="color: blue;">■</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: yellow;">■</span>	CheA	3 Hpt,1 H-kinase_dim,1 HATPase_c,1 CheW,1 Response_reg
<span style="color: yellow;">■</span>	Hybrid	1 PAS_3,1 GAF,1 HisKA,1 HATPase_c,1 Response_reg
<span style="color: yellow;">■</span>	Hybrid	2 PAS_4,1 HisKA,1 HATPase_c,1 Response_reg
<span style="color: yellow;">■</span>	Hybrid	1 PAS_4,1 HisKA,1 HATPase_c,1 Response_reg
<span style="color: yellow;">■</span>	Hybrid	2 PAS_4,1 PAS_3,1 HisKA,1 HATPase_c,1 Response_reg
<span style="color: yellow;">■</span>	Hybrid	1 PAS,1 HisKA,1 HATPase_c,1 Response_reg
<span style="color: yellow;">■</span>	Hybrid	1 PAS_4,1 HisKA,1 HATPase_c,1 Response_reg
<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: 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 GAF,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: 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: 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: blue;">■</span>	Classic	1 HAMP,1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 2CSK_N,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 2CSK_N,1 HAMP,1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 2CSK_N,1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 2CSK_N,1 HisKA,1 HATPase_c
<span style="color: yellow;">■</span>	Hybrid	1 CheB_methylest,1 MeTrc,3 PAS,1 PAS_4,1 HisKA,1 HATPase_c,1 Response_reg
<span style="color: yellow;">■</span>	Hybrid	1 GAF,1 HisKA,1 HATPase_c,1 Response_reg
<span style="color: blue;">■</span>	Hybrid	1 PAS_4,1 PAS_3,1 HisKA,1 HATPase_c,1 Response_reg
<span style="color: yellow;">■</span>	Hybrid	1 Response_reg,1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 PAS_2,1 GAF,1 PHY,1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	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 HAMP,1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 PAS,1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 HisKA,1 HATPase_c
<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 PAS,2 PAS_4,1 PAS_3,1 HisKA,1 HATPase_c,2 Response_reg,1 Hpt
<span style="color: yellow;">■</span>	Hybrid	2 Response_reg,1 PAS,1 HisKA,1 HATPase_c
<span style="color: yellow;">■</span>	Hybrid	1 CHASE3,1 GAF,1 HisKA,1 HATPase_c,3 Response_reg
<span style="color: blue;">■</span>	Classic	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	1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Hybrid	1 HisKA,1 HATPase_c,1 Response_reg
<span style="color: blue;">■</span>	Hybrid	1 HisKA,1 HATPase_c,1 Response_reg