



Dsui\_3468  
Dsui\_2157  
Dsui\_0110  
Dsui\_0810  
Dsui\_0151  
Dsui\_3179  
Dsui\_1147  
Dsui\_3002  
Dsui\_2999  
Dsui\_3474  
Dsui\_1437  
Dsui\_1708  
Dsui\_0656  
Dsui\_1721  
Dsui\_2512  
Dsui\_2079  
Dsui\_3387  
Dsui\_3159  
Dsui\_1580  
Dsui\_3485  
Dsui\_3465  
Dsui\_2125\_1  
Dsui\_0329  
Dsui\_3152  
Dsui\_0272  
Dsui\_2358  
Dsui\_0864  
Dsui\_1050  
Dsui\_2400  
Dsui\_1528  
Dsui\_3285  
Dsui\_0136  
Dsui\_1913  
Dsui\_1757  
Dsui\_1851  
Dsui\_0265  
Dsui\_3447  
Dsui\_2249  
Dsui\_3524  
Dsui\_1618  
Dsui\_2645  
Dsui\_1067  
Dsui\_2779  
Dsui\_2125\_2  
Dsui\_1549  
Dsui\_1887  
Dsui\_1884  
Dsui\_2781  
Dsui\_2164  
Dsui\_1905  
Dsui\_1009  
Dsui\_1554  
Dsui\_0921  
Dsui\_2864  
Dsui\_2251  
Dsui\_1867  
Dsui\_2240  
Dsui\_0776  
Dsui\_2885  
Dsui\_1865  
Dsui\_2382

### Cluster

- Orphan
- Pair
- Triad
- Tetrad
- Pentad+

### Family

### Domains

Cluster	Family	Domains
<span style="color: red;">■</span>	Hybrid	1 Response_reg,1 HisKA_3,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 PAS,1 PAS_4,1 PAS_3,1 HisKA_3,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 His_kinase,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 HAMP,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: yellow;">■</span>	Classic	1 PAS,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 HAMP,1 HisKA,1 HATPase_c
<span style="color: yellow;">■</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: yellow;">■</span>	CheA	4 Hpt,1 H-kinase_dim,1 HATPase_c,1 CheW,1 Response_reg
<span style="color: yellow;">■</span>	CheA	1 Hpt,1 H-kinase_dim,1 HATPase_c,1 CheW
<span style="color: blue;">■</span>	Classic	1 PBPb,1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 PBPb,1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 MASE1,1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 CHASE,1 PAS,1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 PAS_3,2 PAS_4,1 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: yellow;">■</span>	Hybrid	1 PAS_4,2 HisKA,2 HATPase_c,1 Response_reg,1 PAS_3
<span style="color: green;">■</span>	Classic	1 CHASE,1 PAS_4,1 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: yellow;">■</span>	Classic	1 CHASE3,1 HAMP,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>	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>	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: 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 2CSK_N,1 HAMP,1 HisKA,1 HATPase_c
<span style="color: green;">■</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: 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 HAMP,1 HisKA,1 HATPase_c
<span style="color: blue;">■</span>	Classic	1 HAMP,1 HisKA,1 HATPase_c
<span style="color: brown;">■</span>	Classic	1 CHASE,1 GAF,2 PAS_3,1 HisKA,1 HATPase_c
<span style="color: yellow;">■</span>	Hybrid	1 PAS_4,2 HisKA,2 HATPase_c,1 Response_reg,1 PAS_3
<span style="color: green;">■</span>	Classic	1 PBPb,2 PAS_4,1 GAF,1 HisKA,1 HATPase_c
<span style="color: red;">■</span>	Classic	2 PAS,1 PAS_4,1 HisKA,1 HATPase_c
<span style="color: red;">■</span>	Classic	1 HisKA,1 HATPase_c
<span style="color: brown;">■</span>	Unorthodox	2 Response_reg,3 PAS_3,1 PAS_4,1 HisKA,1 HATPase_c,1 Hpt
<span style="color: yellow;">■</span>	Classic	1 Cache_1,1 HisKA,1 HATPase_c
<span style="color: yellow;">■</span>	Hybrid	1 SBP_bac_3,1 PAS_4,1 HisKA,1 HATPase_c,1 Response_reg
<span style="color: yellow;">■</span>	Hybrid	1 HAMP,2 PAS,1 HisKA,1 HATPase_c,1 Response_reg
<span style="color: yellow;">■</span>	Hybrid	1 HAMP,1 PAS_4,1 PAS,1 HisKA,1 HATPase_c,1 Response_reg
<span style="color: yellow;">■</span>	Unorthodox	1 PAS_4,2 PAS_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: yellow;">■</span>	Classic	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 PAS,1 HisKA,1 HATPase_c,2 Response_reg,1 Hpt
<span style="color: blue;">■</span>	Unorthodox	1 Cache_1,1 HAMP,1 PAS,1 HisKA,1 HATPase_c,2 Response_reg,1 Hpt
<span style="color: yellow;">■</span>	Unorthodox	1 HAMP,1 PAS,1 PAS_4,1 HisKA,1 HATPase_c,1 Response_reg,1 Hpt
<span style="color: yellow;">■</span>	Unorthodox	1 PAS_3,1 PAS_4,1 HisKA,1 HATPase_c,1 REC,1 Response_reg,1 Hpt
<span style="color: yellow;">■</span>	Hybrid	1 PAS_4,1 HisKA,1 HATPase_c,2 Response_reg