



Mhun\_3201  
Mhun\_0160  
Mhun\_0988  
Mhun\_0109  
Mhun\_2684  
Mhun\_1966  
Mhun\_1438  
Mhun\_0989  
Mhun\_0494  
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Mhun\_2690  
Mhun\_1941  
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Mhun\_3041  
Mhun\_3040  
Mhun\_0126  
Mhun\_3035  
Mhun\_0315  
Mhun\_0161  
Mhun\_1439  
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Mhun\_1472  
Mhun\_1290  
Mhun\_1618  
Mhun\_1613  
Mhun\_1572  
Mhun\_2638  
Mhun\_0886  
Mhun\_0159  
Mhun\_0953  
Mhun\_2877  
Mhun\_2645  
Mhun\_1200  
Mhun\_3039  
Mhun\_1724  
Mhun\_2637  
Mhun\_0455  
Mhun\_2576  
Mhun\_0118  
Mhun\_1440  
Mhun\_0454  
Mhun\_3038  
Mhun\_1943  
Mhun\_1208  
Mhun\_1481  
Mhun\_2026  
Mhun\_0264  
Mhun\_1267  
Mhun\_0840  
Mhun\_2967  
Mhun\_2671  
Mhun\_1415  
Mhun\_1723  
Mhun\_2673  
Mhun\_1739  
Mhun\_2385  
Mhun\_1309  
Mhun\_3166  
Mhun\_1607  
Mhun\_0549  
Mhun\_1026  
Mhun\_0642  
Mhun\_1354  
Mhun\_1847  
Mhun\_1792  
Mhun\_1643  
Mhun\_1353  
Mhun\_2879  
Mhun\_2551  
Mhun\_1923  
Mhun\_2968  
Mhun\_2031  
Mhun\_2037  
Mhun\_2636

**Cluster**

- Orphan
- Pair
- Triad
- Tetrad
- Pentad+

**Family**

**Domains**

Cluster	Family	Domains
Orphan	CheY	1 Response_reg
Orphan	Hybrid	1 Response_reg,2 PAS,1 HisKA,1 HATPase_c
Orphan	CheB	1 Response_reg,1 CheB_methylest
Orphan	CheB	1 Response_reg,1 CheB_methylest
Orphan	CheY	1 Response_reg
Orphan	CheY	1 Response_reg
Orphan	unclassified	1 Response_reg,1 PAS_4
Orphan	CheA	1 Hpt,1 HATPase_c,1 CheW,1 Response_reg
Orphan	CheA	1 Hpt,1 HATPase_c,1 CheW,1 Response_reg
Orphan	unclassified	1 Response_reg,1 PAS_4
Orphan	CheY	1 Response_reg
Orphan	CheY	1 Response_reg
Orphan	unclassified	1 Response_reg
Orphan	Hybrid	1 Response_reg,1 HisKA,1 HATPase_c
Orphan	CheY	1 Response_reg
Orphan	CheY	1 Response_reg
Orphan	CheY	1 Response_reg
Orphan	CheY	1 Response_reg
Orphan	CheY	1 Response_reg
Orphan	CheY	1 Response_reg
Orphan	CheY	1 Response_reg
Orphan	unclassified	1 Response_reg
Orphan	unclassified	1 Response_reg
Orphan	unclassified	1 Response_reg
Orphan	unclassified	1 Response_reg
Orphan	unclassified	1 Response_reg
Orphan	unclassified	1 Response_reg
Orphan	CheY	1 Response_reg
Orphan	CheY	1 Response_reg
Orphan	CheY	1 Response_reg
Orphan	CheY	1 Response_reg
Orphan	unclassified	1 Response_reg,1 PAS_4
Orphan	unclassified	1 Response_reg
Orphan	Hybrid	1 Response_reg,1 HisKA,1 HATPase_c
Orphan	unclassified	1 Response_reg
Orphan	unclassified	1 Response_reg,1 PAS
Orphan	unclassified	1 Response_reg
Orphan	CheY	1 Response_reg
Orphan	unclassified	1 Response_reg,1 PAS
Orphan	Classic	1 Response_reg,2 PAS_4,1 HisKA
Orphan	Hybrid	1 Response_reg,1 PAS,1 HisKA_2,1 HATPase_c
Orphan	Hybrid	1 Response_reg,1 PAS_4,1 PAS,1 HisKA_2,1 HATPase_c
Orphan	Hybrid	1 Response_reg,1 PAS,1 HisKA,1 HATPase_c
Orphan	Hybrid	1 Response_reg,1 PAS_4,1 PAS_3,1 HisKA,1 HATPase_c
Orphan	Hybrid	1 Response_reg,2 PAS_4,3 PAS,1 PAS_3,1 HisKA,1 HATPase_c
Orphan	unclassified	1 Response_reg,1 PAS_4,1 PAS
Orphan	unclassified	1 Response_reg
Orphan	unclassified	1 Response_reg,1 PAS,3 PAS_4
Orphan	unclassified	1 Response_reg
Orphan	unclassified	1 Response_reg,2 PAS_4
Orphan	unclassified	1 Response_reg
Orphan	Hybrid	1 Response_reg,5 PAS_4,1 HisKA,2 PAS,1 PAS_3,1 HATPase_c
Orphan	Hybrid	1 Response_reg,1 PAS_3,1 HisKA_2,1 HATPase_c
Orphan	CheY	1 Response_reg
Orphan	Hybrid	1 Response_reg,2 PAS,1 PAS_3,1 HisKA,1 HATPase_c
Orphan	Hybrid	1 Response_reg,2 PAS,1 PAS_3,1 HisKA,1 HATPase_c
Orphan	Hybrid	1 Response_reg,1 PAS,1 HisKA,1 HATPase_c
Orphan	unclassified	1 Response_reg,1 PAS_4
Orphan	unclassified	1 Response_reg
Orphan	Hybrid	1 Response_reg,2 PAS_3,1 PAS,1 HisKA,1 HATPase_c
Orphan	unclassified	1 Response_reg,1 PAS_4,1 PAS
Orphan	unclassified	1 Response_reg,1 PAS,1 PAS_4
Orphan	Hybrid	1 Response_reg,1 GAF,1 PAS,1 HisKA,1 PAS_3,2 PAS_4,1 HATPase_c
Orphan	Hybrid	1 Response_reg,1 PAS_3,1 PAS_4,1 HisKA,1 HATPase_c
Orphan	Hybrid	1 Response_reg,3 PAS,1 PAS_4,1 HisKA,1 HATPase_c
Orphan	CheY	1 Response_reg
Orphan	Hybrid	1 Response_reg,3 PAS,1 PAS_3,1 GAF,1 HisKA,1 HATPase_c
Orphan	CheY	1 Response_reg
Orphan	unclassified	1 Response_reg,1 PAS,1 MA
Orphan	CheY	1 Response_reg
Orphan	unclassified	1 Response_reg,1 PAS_4,1 PAS
Orphan	CheY	1 Response_reg
Orphan	Hybrid	1 Response_reg,1 PAS,1 PAS_4,1 PAS_3,1 HisKA_2,1 HATPase_c