



Swit\_4740  
Swit\_0803  
Swit\_4568  
Swit\_1700  
Swit\_2689  
Swit\_1465  
Swit\_0401  
Swit\_0699  
Swit\_1955  
Swit\_2976  
Swit\_0267  
Swit\_3575  
Swit\_1160  
Swit\_2675  
Swit\_3812  
Swit\_0065  
Swit\_1099  
Swit\_0249  
Swit\_4496  
Swit\_2973  
Swit\_3443  
Swit\_0246  
Swit\_3714  
Swit\_2234  
Swit\_2146  
Swit\_2953  
Swit\_1387  
Swit\_4799  
Swit\_4517  
Swit\_4430  
Swit\_3860  
Swit\_4726  
Swit\_3901  
Swit\_4432  
Swit\_0513

### Cluster

- Orphan
- Pair
- Triad
- Tetrad
- Pentad+

### Family

### Domains

Cluster	Family	Domains
Orphan	Classic	1 CHASE2,1 PAS_4,1 HisKA,1 HATPase_c
Pair	Classic	1 HisKA_3,1 HATPase_c
Orphan	Classic	1 HisKA,1 HATPase_c
Orphan	Hybrid	1 PAS,1 PAS_3,1 PAS_4,1 HisKA,1 HATPase_c,1 Response_reg
Orphan	Hybrid	1 PAS_3,1 HisKA,1 HATPase_c,1 Response_reg
Pair	Classic	1 HisKA,1 HATPase_c
Pair	Classic	1 HAMP,1 HisKA,1 HATPase_c
Orphan	Hybrid	1 HisKA,1 HATPase_c,1 Response_reg
Pair	Classic	1 HAMP,1 HisKA,1 HATPase_c
Pair	Classic	2 PAS,1 PAS_3,1 HisKA,1 HATPase_c
Pair	Classic	2 PAS,1 HisKA,1 HATPase_c
Orphan	Classic	1 HisKA,1 HATPase_c
Tetrad	Hybrid	1 CHASE3,1 PAS,1 HisKA,1 HATPase_c,2 Response_reg
Orphan	Classic	1 PAS_4,1 HisKA,1 HATPase_c
Orphan	Classic	1 HisKA_2,1 HATPase_c
Orphan	CheA	1 Hpt,1 H-kinase_dim,1 HATPase_c,2 CheW
Orphan	Classic	1 HisKA_2,1 HATPase_c
Pair	Classic	1 HAMP,1 PAS,1 HisKA,1 HATPase_c
Pair	Classic	1 His_kinase,1 HATPase_c
Pair	Classic	1 His_kinase,1 HATPase_c
Pair	Classic	1 HAMP,1 HisKA,1 HATPase_c
Pair	Classic	1 PAS,1 HisKA,1 HATPase_c
Pair	Classic	1 HisKA,1 HATPase_c
Pair	Classic	1 HAMP,1 HisKA,1 HATPase_c
Pair	Classic	1 HAMP,1 HisKA,1 HATPase_c
Pair	Classic	1 HAMP,1 HisKA,1 HATPase_c
Pair	Classic	1 HAMP,1 HisKA,1 HATPase_c
Orphan	Hybrid	1 GAF,1 HisKA,1 HATPase_c,1 Response_reg
Orphan	Hybrid	1 HisKA,1 HATPase_c,1 Response_reg
Orphan	Hybrid	1 CHASE3,1 HisKA,1 HATPase_c,1 Response_reg
Orphan	Hybrid	1 CHASE3,1 HisKA,1 HATPase_c,1 Response_reg
Orphan	Hybrid	1 PAS,1 PAS_4,1 HisKA,1 HATPase_c,1 Response_reg
Orphan	Hybrid	1 PAS_4,1 HisKA,1 HATPase_c,1 Response_reg