



RGE_23070
RGE_18310
RGE_14390
RGE_09900
RGE_44620
RGE_29550
RGE_23280
RGE_20130
RGE_36800
RGE_22760
RGE_17400
RGE_40730
RGE_36720
RGE_31790
RGE_16510
RGE_33920
RGE_36500
RGE_20520
RGE_28610
RGE_23360
RGE_40500
RGE_39330
RGE_28830
RGE_23640
RGE_45240
RGE_42070
RGE_04060
RGE_18440
RGE_17380
RGE_40700
RGE_19330
RGE_44200
RGE_39360
RGE_37450
RGE_21530
RGE_09000
RGE_02720
RGE_17570
RGE_33130
RGE_20680
RGE_05420
RGE_14490
RGE_35170
RGE_26890
RGE_42350
RGE_09040
RGE_36080
RGE_17160
RGE_46620
RGE_09270
RGE_07370
RGE_30140
RGE_17300
RGE_24700
RGE_23380
RGE_36430
RGE_20620
RGE_14770
RGE_14140
RGE_01590
RGE_42940
RGE_08830
RGE_24820
RGE_45070
RGE_45000
RGE_45880
RGE_21160
RGE_46380
RGE_21510
RGE_40060
RGE_07350
RGE_36250
RGE_06760
RGE_41730
RGE_39420
RGE_01620
RGE_29330
RGE_18810
RGE_22740
RGE_23260
RGE_22600
RGE_14010
RGE_29030
RGE_22590
RGE_22850
RGE_09710
RGE_05780



Orphan
Pair
Triad
Tetrad
Pentad+

Cluster

Family

Domains

| Cluster | Family | Domains |
|---------|------------|--|
| Orphan | Classic | 1 HAMP,1 HisKA,1 HATPase_c |
| Orphan | Classic | 1 HAMP,1 HisKA,1 HATPase_c |
| Orphan | Classic | 1 HisKA,1 HATPase_c |
| Orphan | Classic | 1 HAMP,1 PAS,1 HisKA,1 HATPase_c |
| Orphan | Classic | 1 HAMP,1 PAS,1 HisKA,1 HATPase_c |
| Orphan | Classic | 1 HAMP,1 HisKA,1 HATPase_c |
| Orphan | Hybrid | 1 HisKA,1 HATPase_c,1 Response_reg |
| Orphan | Hybrid | 2 SBP_bac_3,1 HisKA,1 HATPase_c,1 Response_reg |
| Orphan | Classic | 1 HisKA,1 HATPase_c |
| Orphan | Classic | 1 Cache_1,1 HAMP,1 PAS_3,1 HisKA,1 HATPase_c |
| Orphan | Classic | 1 HisKA,1 HATPase_c |
| Orphan | Classic | 1 HisKA,1 HATPase_c |
| Orphan | Classic | 1 MASE1,1 HisKA,1 HATPase_c |
| Orphan | Hybrid | 1 PAS_3,1 HisKA,1 HATPase_c,1 Response_reg |
| Orphan | Hybrid | 1 PAS_3,1 HisKA,1 HATPase_c,1 Response_reg |
| Orphan | Hybrid | 1 PAS_3,3 PAS_4,1 HisKA,1 HATPase_c,1 Response_reg |
| Orphan | Classic | 1 His_kinase,1 HATPase_c |
| Orphan | Classic | 1 HisKA,1 HATPase_c |
| Orphan | Classic | 1 CHASE3,1 HisKA_3,1 HATPase_c |
| Orphan | Classic | 1 HAMP,1 HisKA_3,1 HATPase_c |
| Orphan | Classic | 1 HAMP,1 HisKA_3,1 HATPase_c |
| Orphan | Hybrid | 1 Response_reg,1 HisKA_3,1 HATPase_c |
| Orphan | Classic | 1 SBP_bac_3,1 HisKA,1 HATPase_c |
| Orphan | Classic | 1 PAS,1 HisKA,1 HATPase_c |
| Orphan | Classic | 1 PAS,1 HisKA,1 HATPase_c |
| Orphan | CheA | 3 Hpt,1 H-kinase_dim,1 HATPase_c,1 CheW,1 Response_reg |
| Orphan | Classic | 1 HisKA,1 HATPase_c |
| Orphan | Classic | 1 HisKA,1 HATPase_c |
| Orphan | Classic | 2 PAS_4,1 PAS_3,1 PAS,1 HisKA_2,1 HATPase_c |
| Orphan | Classic | 1 HisKA_3,1 HATPase_c |
| Orphan | Classic | 1 HisKA_3,1 HATPase_c |
| Orphan | CheA | 1 Hpt,1 H-kinase_dim,1 HATPase_c,1 CheW |
| Orphan | CheA | 1 Hpt,1 H-kinase_dim,1 HATPase_c,1 CheW |
| Orphan | Classic | 1 His_kinase,1 HATPase_c |
| Orphan | Classic | 1 His_kinase,1 HATPase_c |
| Orphan | Classic | 1 His_kinase,1 HATPase_c |
| Orphan | Classic | 1 HisKA,1 HATPase_c |
| Orphan | Classic | 1 HisKA,1 HATPase_c |
| Orphan | Classic | 1 HAMP,1 HisKA,1 HATPase_c |
| Orphan | Unorthodox | 1 PAS_4,1 HisKA,1 HATPase_c,1 Response_reg,1 Hpt |
| Orphan | Classic | 1 HAMP,1 HisKA,1 HATPase_c |
| Orphan | Classic | 1 HAMP,1 HisKA,1 HATPase_c |
| Orphan | Classic | 1 HisKA,1 HATPase_c |
| Orphan | Classic | 1 HAMP,1 HisKA,1 HATPase_c |
| Orphan | Classic | 1 PAS_4,1 HisKA,1 HATPase_c |
| Orphan | Classic | 1 PAC,1 PAS_3,1 HisKA,1 HATPase_c |
| Orphan | Classic | 1 2CSK_N,1 HAMP,1 HisKA,1 HATPase_c |
| Orphan | Classic | 1 HAMP,1 HisKA,1 HATPase_c |
| Orphan | Classic | 1 HAMP,1 HisKA,1 HATPase_c |
| Orphan | Classic | 1 HAMP,1 HisKA,1 HATPase_c |
| Orphan | Classic | 1 2CSK_N,1 HisKA,1 HATPase_c |
| Orphan | Classic | 1 HisKA,1 HATPase_c |
| Orphan | Hybrid | 2 PAS_4,1 PAS,1 HisKA,1 HATPase_c,1 Response_reg |
| Orphan | Hybrid | 1 HisKA,1 HATPase_c,1 Response_reg |
| Orphan | Hybrid | 1 PAS_4,1 HisKA,1 HATPase_c,1 Response_reg |
| Orphan | Hybrid | 1 HisKA,1 HATPase_c,1 Response_reg |
| Orphan | Unorthodox | 1 HisKA,1 HATPase_c,1 Response_reg,1 Hpt |
| Orphan | Unorthodox | 1 HAMP,1 HisKA,1 HATPase_c,2 Response_reg,1 Hpt |
| Orphan | Unorthodox | 1 HAMP,1 PAS,1 HisKA,1 HATPase_c,1 Response_reg,1 Hpt |
| Orphan | Unorthodox | 1 SBP_bac_3,1 PAS_4,1 HisKA,1 HATPase_c,1 Response_reg,1 Hpt |
| Orphan | Unorthodox | 1 PAS_4,1 PAS,1 HisKA,1 HATPase_c,2 Response_reg,1 Hpt |
| Orphan | Classic | 2 PAS_4,1 HisKA,1 HATPase_c |
| Orphan | Classic | 1 HAMP,1 PAS,1 PAC,1 PAS_4,1 HisKA,1 HATPase_c |
| Orphan | Hybrid | 3 PAS,1 HisKA,1 HATPase_c,1 Response_reg |
| Orphan | Hybrid | 1 CHASE2,1 HisKA,1 HATPase_c,1 Response_reg |
| Orphan | Classic | 1 PAS,1 HisKA,1 HATPase_c |
| Orphan | Hybrid | 1 PAS_4,3 PAS_3,1 HisKA,1 HATPase_c,1 Response_reg |
| Orphan | Hybrid | 1 HisKA,1 HATPase_c,1 Response_reg |
| Orphan | Classic | 1 HisKA,1 HATPase_c |
| Orphan | Hybrid | 1 PAS,1 HisKA,1 HATPase_c,1 Response_reg |
| Orphan | Classic | 1 HAMP,1 PAS_3,1 HisKA,1 HATPase_c |
| Orphan | Hybrid | 1 MASE1,1 CHASE,1 PAS,1 HisKA,1 HATPase_c,1 Response_reg |
| Orphan | Hybrid | 2 PAS_4,1 PAS_3,1 HisKA,1 HATPase_c,1 Response_reg |
| Orphan | Classic | 2 PAS_3,1 HisKA,1 HATPase_c |
| Orphan | Hybrid | 1 PAS,1 PAS_3,2 PAS_4,1 HisKA,1 HATPase_c,1 Response_reg |
| Orphan | Unorthodox | 1 CHASE3,1 HisKA,1 HATPase_c,1 Response_reg,1 Hpt |
| Orphan | Hybrid | 2 Response_reg,1 PAS_4,1 HisKA,1 HATPase_c |
| Orphan | Unorthodox | 1 PAS_3,1 PAS,1 PAS_4,1 HisKA,1 HATPase_c,2 Response_reg,1 Hpt |
| Orphan | Hybrid | 1 PAS_3,1 HisKA,1 HATPase_c,1 Response_reg |
| Orphan | Unorthodox | 3 PAS_4,1 HisKA,1 HATPase_c,2 Response_reg,1 Hpt |
| Orphan | Hybrid | 1 PAS_4,1 HisKA,1 HATPase_c,1 Response_reg |
| Orphan | Unorthodox | 1 Cache_1,1 PAS,1 HisKA,1 HATPase_c,1 Response_reg,1 Hpt |
| Orphan | Unorthodox | 2 PAS,1 PAS_4,1 HisKA,1 HATPase_c,2 Response_reg,1 Hpt |
| Orphan | Hybrid | 1 PAS_4,1 HisKA,1 HATPase_c,1 Response_reg |
| Orphan | Hybrid | 1 PAS_4,1 PAS,1 HisKA,1 HATPase_c,2 Response_reg |