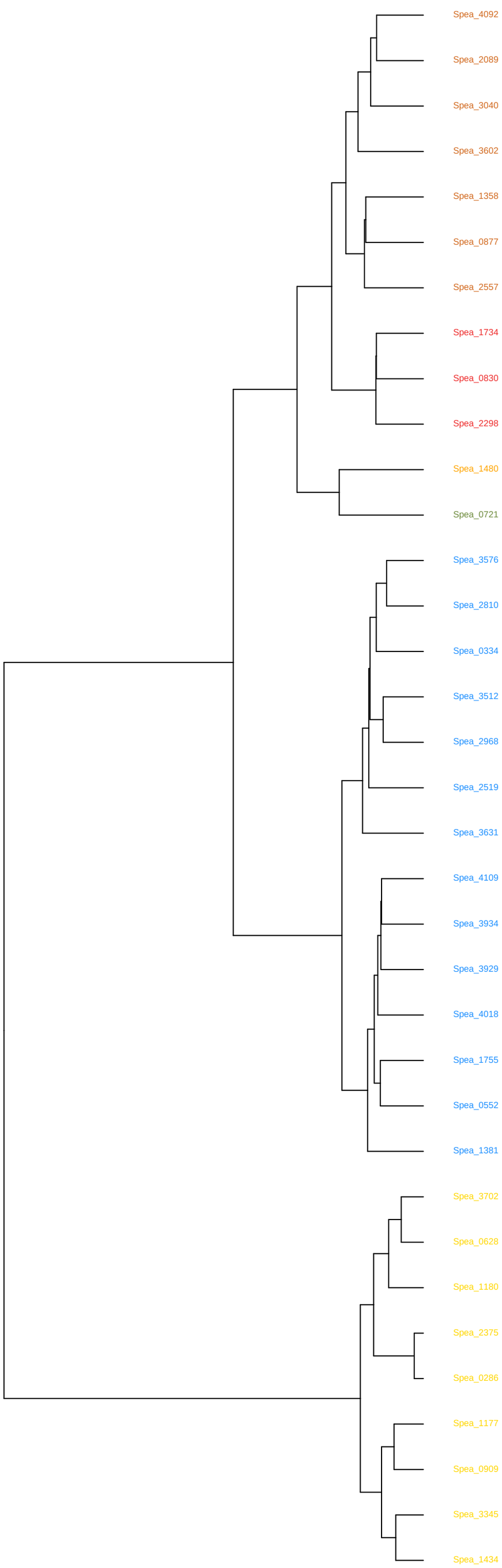


| Cluster | Family | Domains |
|---|---|---|
| Pair | Classic | 1 HAMP,1 HisKA,1 HATPase_c |
| Pair | Classic | 1 HisKA,1 HATPase_c |
| Pair | Classic | 1 SBP_bac_3,1 HisKA,1 HATPase_c |
| Pair | Classic | 1 HisKA,1 HATPase_c |
| Pair | Classic | 1 PAS,1 HisKA,1 HATPase_c |
| Pair | Classic | 1 HAMP,1 HisKA,1 HATPase_c |
| Orphan | Hybrid | 1 PAS,1 HisKA,1 HATPase_c,1 REC |
| Pair | Classic | 1 GAF,1 HisKA_3,1 HATPase_c |
| Pair | Classic | 1 HAMP,1 HisKA_3,1 HATPase_c |
| Pair | Classic | 1 HisKA_3,1 HATPase_c |
| Pair | Classic | 1 GAF,1 His_kinase,1 HATPase_c |
| Pair | Classic | 1 SBP_bac_3,1 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 HisKA,1 HATPase_c |
| Pair | Classic | 1 HAMP,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 |
| Pair | Classic | 1 PAS,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 HisKA,1 HATPase_c |
| Pair | CheA | 1 Hpt,1 H−kinase_dim,1 HATPase_c,1 CheW |
| Orphan | Hybrid | 1 Cache_1,1 PAS_4,1 PAS_3,1 HisKA,1 HATPase_c,2 Response_reg |
| Pair | Unorthodox | 1 Cache_1,1 HAMP,2 PAS,2 PAS_3,1 HisKA,1 HATPase_c,2 Response_reg,1 Hpt |
| Orphan | Unorthodox | 1 HAMP,1 HisKA,1 HATPase_c,1 Response_reg,1 Hpt |
| Orphan | Hybrid | 1 HisKA,1 HATPase_c,1 Response_reg |
| Orphan | Hybrid | 1 NIT,1 HisKA,1 HATPase_c,1 Response_reg |
| Pair | Unorthodox | 1 HisKA,1 HATPase_c,1 Response_reg,1 Hpt |
| Pair | Unorthodox | 1 SBP_bac_3,1 PBPb,1 PAS_3,1 HisKA,1 HATPase_c,1 Response_reg,1 Hpt |
| Orphan | Unorthodox | 1 HisKA,1 HATPase_c,1 Response_reg,1 Hpt |
| Pair | Unorthodox | 1 HAMP,2 PAS,1 HisKA,1 HATPase_c,1 Response_reg,1 Hpt |

Orphan
Pair
Triad
Tetrad
Pentad+