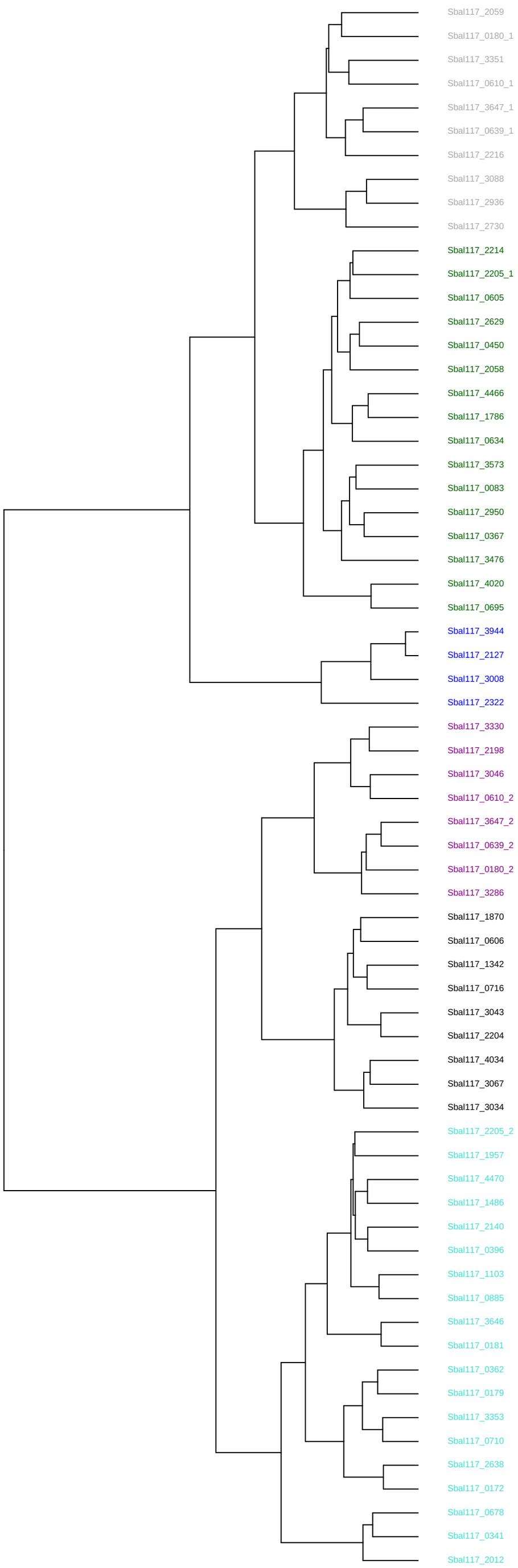


| Cluster | Family | Domains |
|---|---|---|
| Orphan | Unorthodox | 1 HAMP,1 HisKA,1 HATPase_c,1 Response_reg,1 Hpt |
| Pair | Unorthodox | 1 CHASE,1 PAS_4,2 PAS,1 PAS_3,1 HisKA,1 HATPase_c,2 Response_reg,1 Hpt |
| Orphan | Unorthodox | 1 HAMP,1 HisKA,1 HATPase_c,1 Response_reg,1 Hpt |
| Orphan | FrzZ | 2 Response_reg |
| Pair | Unorthodox | 1 HAMP,2 PAS,2 PAS_3,1 HisKA,1 HATPase_c,2 Response_reg,1 Hpt |
| Orphan | Hybrid | 1 Cache_1,1 PAS_4,1 PAS_3,1 HisKA,1 HATPase_c,2 Response_reg |
| Orphan | Hybrid | 1 HisKA,1 HATPase_c,1 Response_reg |
| Orphan | CheV | 1 CheW,1 Response_reg |
| Orphan | CheV | 1 CheW,1 Response_reg |
| Orphan | CheV | 1 CheW,1 Response_reg |
| Orphan | VieA | 1 Response_reg,1 EAL |
| Orphan | PleD | 1 Hpt,2 Response_reg,1 GGDEF |
| Triad | CheY | 1 Response_reg |
| Orphan | NarL | 1 Response_reg,1 HTH_LUXR |
| Pair | NarL | 1 Response_reg,1 HTH_LUXR |
| Orphan | NarL | 1 Response_reg,1 HTH_LUXR |
| Pair | LytTR | 1 Response_reg,1 LytTR |
| Pair | LytTR | 1 Response_reg,1 LytTR |
| Orphan | unclassified | 1 Response_reg |
| Orphan | CitT | 1 Response_reg,1 CitT,1 HTH_11 |
| Pair | NtrC | 1 Response_reg,1 AAA_5,1 HTH_8 |
| Pair | NtrC | 1 Response_reg,1 AAA_5,1 HTH_8 |
| Pair | NtrC | 1 Response_reg,1 AAA_5,1 HTH_8 |
| Pair | NtrC | 1 Response_reg,1 AAA_5,1 HTH_8 |
| Pair | NtrC | 1 Response_reg,1 AAA_5,1 HTH_8 |
| Pair | NarL | 1 Response_reg,1 HTH_LUXR |
| Pair | NarL | 1 Response_reg,1 GerE |
| Pair | RpfG | 1 Response_reg,1 HD |
| Pair | RpfG | 1 Response_reg,1 HD |
| Pair | RpfG | 1 Response_reg,1 HD |
| Pair | RpfG | 1 Response_reg,1 HD |
| Orphan | CheV | 1 CheW,1 Response_reg |
| Pair | CheY | 1 Response_reg |
| Orphan | CheY | 1 Response_reg |
| Orphan | FrzZ | 2 Response_reg |
| Pair | Unorthodox | 1 HAMP,2 PAS,2 PAS_3,1 HisKA,1 HATPase_c,2 Response_reg,1 Hpt |
| Orphan | Hybrid | 1 Cache_1,1 PAS_4,1 PAS_3,1 HisKA,1 HATPase_c,2 Response_reg |
| Pair | Unorthodox | 1 CHASE,1 PAS_4,2 PAS,1 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 |
| Pair | Hybrid | 1 PAS,1 HisKA,1 HATPase_c,1 REC |
| Triad | PleD_VieA | 1 Response_reg,1 GGDEF,1 EAL |
| Pair | NarL | 1 Response_reg,1 HTH_LUXR |
| Pair | NarL | 1 Response_reg,1 HTH_LUXR |
| Pair | CheB | 1 Response_reg,1 CheB_methylest |
| Orphan | CheB | 1 Response_reg,1 CheB_methylest |
| Pair | PrrA | 1 Response_reg,1 HTH_8 |
| Pair | NtrC | 1 Response_reg,1 AAA_5,1 HTH_8 |
| Orphan | unclassified | 1 Response_reg |
| Orphan | PleD | 1 Hpt,2 Response_reg,1 GGDEF |
| Pair | OmpR | 1 Response_reg,1 Trans_reg_C |
| Pair | OmpR | 1 Response_reg,1 Trans_reg_C |
| Pair | OmpR | 1 Response_reg,1 Trans_reg_C |
| Orphan | OmpR | 1 Response_reg,1 Trans_reg_C |
| Pair | OmpR | 1 Response_reg,1 Trans_reg_C |
| Pair | OmpR | 1 Response_reg,1 Trans_reg_C |
| Pair | OmpR | 1 Response_reg,1 Trans_reg_C |
| Pair | RpfG | 1 Response_reg,1 HD |
| Pair | PleD | 1 Response_reg,1 GGDEF |
| Pair | OmpR | 1 Response_reg,1 Trans_reg_C |
| Pair | OmpR | 1 Response_reg,1 Trans_reg_C |
| Orphan | OmpR | 1 Response_reg,1 Trans_reg_C |
| Orphan | OmpR | 1 Response_reg,1 Trans_reg_C |
| Pair | OmpR | 1 Response_reg,1 Trans_reg_C |
| Pair | OmpR | 1 Response_reg,1 Trans_reg_C |
| Pair | OmpR | 1 Response_reg,1 Trans_reg_C |
| Pair | OmpR | 1 Response_reg,1 Trans_reg_C |