



DAMO\_2107  
 DAMO\_1267  
 DAMO\_2594  
 DAMO\_1780  
 DAMO\_0743\_2  
 DAMO\_3169  
 DAMO\_1129  
 DAMO\_2818  
 DAMO\_2877  
 DAMO\_1593  
 DAMO\_0479  
 DAMO\_1876  
 DAMO\_0481  
 DAMO\_0415  
 DAMO\_3009  
 DAMO\_0860  
 DAMO\_2839  
 DAMO\_2595  
 DAMO\_1298  
 DAMO\_2793  
 DAMO\_0100  
 DAMO\_1866  
 DAMO\_1779\_3  
 DAMO\_1316  
 DAMO\_2387  
 DAMO\_0977  
 DAMO\_1779\_2  
 DAMO\_3139  
 DAMO\_1813  
 DAMO\_0743\_1  
 DAMO\_1532  
 DAMO\_1827  
 DAMO\_1762  
 DAMO\_0744  
 DAMO\_0191  
 DAMO\_0189  
 DAMO\_1821  
 DAMO\_1699  
 DAMO\_1779\_1  
 DAMO\_2937  
 DAMO\_0416  
 DAMO\_1766  
 DAMO\_0105  
 DAMO\_1760  
 DAMO\_3123  
 DAMO\_1542  
 DAMO\_1771  
 DAMO\_1770  
 DAMO\_1819  
 DAMO\_0887  
 DAMO\_2120  
 DAMO\_1879  
 DAMO\_1830  
 DAMO\_1115

**Cluster**

- Orphan
- Pair
- Triad
- Tetrad
- Pentad+

**Family**

**Domains**

| Cluster                               | Family       | Domains   |
|---------------------------------------|--------------|---|
| <span style="color: blue;">■</span>   | CheY         | 1 Response_reg  |
| <span style="color: blue;">■</span>   | CheY         | 1 Response_reg  |
| <span style="color: green;">■</span>  | CheY         | 1 Response_reg  |
| <span style="color: yellow;">■</span> | Unorthodox   | 1 HisKA,1 HATPase_c,1 Response_reg,1 Hpt              |
| <span style="color: green;">■</span>  | Hybrid       | 2 PAS,1 GAF,1 HisKA,1 HATPase_c,2 Response_reg        |
| <span style="color: blue;">■</span>   | OmpR         | 1 Response_reg,1 Trans_reg_C                          |
| <span style="color: blue;">■</span>   | OmpR         | 1 Response_reg,1 Trans_reg_C                          |
| <span style="color: blue;">■</span>   | OmpR         | 1 Response_reg,1 Trans_reg_C                          |
| <span style="color: blue;">■</span>   | OmpR         | 1 Response_reg,1 Trans_reg_C                          |
| <span style="color: yellow;">■</span> | RpfG         | 1 Response_reg,1 HD                                   |
| <span style="color: red;">■</span>    | RpfG         | 1 Response_reg,1 HD                                   |
| <span style="color: blue;">■</span>   | NtrC         | 1 Response_reg,1 AAA_5,1 HTH_8                        |
| <span style="color: red;">■</span>    | unclassified | 1 Response_reg  |
| <span style="color: blue;">■</span>   | OmpR         | 1 Response_reg,1 Trans_reg_C                          |
| <span style="color: blue;">■</span>   | NtrC         | 1 Response_reg,1 AAA_5,1 HTH_8                        |
| <span style="color: blue;">■</span>   | NtrC         | 1 Response_reg,1 AAA,1 HTH_8                          |
| <span style="color: blue;">■</span>   | NtrC         | 1 Response_reg,1 AAA,1 HTH_8                          |
| <span style="color: green;">■</span>  | NtrC         | 1 Response_reg,1 AAA,1 HTH_8                          |
| <span style="color: yellow;">■</span> | NtrC         | 1 Response_reg,1 AAA_5,1 HTH_8                        |
| <span style="color: blue;">■</span>   | NtrC         | 1 Response_reg,1 AAA_5,1 HTH_8                        |
| <span style="color: blue;">■</span>   | NtrC         | 1 Response_reg,1 AAA_5,1 HTH_8                        |
| <span style="color: yellow;">■</span> | Hybrid       | 3 Response_reg,1 PAS,1 HisKA,1 HATPase_c              |
| <span style="color: blue;">■</span>   | NtrC         | 1 Response_reg,1 AAA_5,1 HTH_8                        |
| <span style="color: yellow;">■</span> | CheY         | 1 Response_reg  |
| <span style="color: yellow;">■</span> | CheY         | 1 Response_reg  |
| <span style="color: yellow;">■</span> | Hybrid       | 3 Response_reg,1 PAS,1 HisKA,1 HATPase_c              |
| <span style="color: yellow;">■</span> | PleD         | 1 Response_reg,1 HAMP,1 PAS,1 GGDEF                   |
| <span style="color: yellow;">■</span> | PleD         | 1 Response_reg,1 GGDEF                                |
| <span style="color: green;">■</span>  | Hybrid       | 2 PAS,1 GAF,1 HisKA,1 HATPase_c,2 Response_reg        |
| <span style="color: blue;">■</span>   | NarL         | 1 Response_reg,1 HTH_LUXR                             |
| <span style="color: blue;">■</span>   | CheY         | 1 Response_reg  |
| <span style="color: green;">■</span>  | CheY         | 1 Response_reg  |
| <span style="color: green;">■</span>  | RsbU         | 1 Response_reg,1 SpoIIIE                              |
| <span style="color: yellow;">■</span> | CheY         | 1 Response_reg  |
| <span style="color: yellow;">■</span> | NarL         | 1 Response_reg,1 HTH_LUXR                             |
| <span style="color: yellow;">■</span> | CheB         | 1 Response_reg,1 CheB_methylest                       |
| <span style="color: yellow;">■</span> | AmiR_NasR    | 1 Response_reg,1 ANTAR                                |
| <span style="color: yellow;">■</span> | Hybrid       | 3 Response_reg,1 PAS,1 HisKA,1 HATPase_c              |
| <span style="color: yellow;">■</span> | Hybrid       | 3 PAS,1 HisKA,1 HATPase_c,1 Response_reg              |
| <span style="color: yellow;">■</span> | Hybrid       | 3 PAS,1 HisKA,1 HATPase_c,1 Response_reg              |
| <span style="color: blue;">■</span>   | NtrC         | 1 Response_reg,1 AAA,1 HTH_8                          |
| <span style="color: blue;">■</span>   | NtrC         | 1 Response_reg,1 AAA_5,1 HTH_8                        |
| <span style="color: green;">■</span>  | NtrC         | 1 Response_reg,1 AAA_5,1 HTH_8                        |
| <span style="color: blue;">■</span>   | NtrC         | 1 Response_reg,1 AAA_5,1 HTH_8                        |
| <span style="color: yellow;">■</span> | CheY         | 1 Response_reg  |
| <span style="color: yellow;">■</span> | unclassified | 1 Response_reg  |
| <span style="color: yellow;">■</span> | RpfG         | 1 Response_reg,1 HD                                   |
| <span style="color: yellow;">■</span> | unclassified | 1 Response_reg  |
| <span style="color: yellow;">■</span> | NtrC         | 1 Response_reg,1 AAA_5,1 HTH_8                        |
| <span style="color: yellow;">■</span> | Hybrid       | 2 GAF,1 PAS_4,1 HisKA,1 HATPase_c,1 Response_reg      |
| <span style="color: yellow;">■</span> | CheY         | 1 Response_reg  |
| <span style="color: yellow;">■</span> | Hybrid       | 1 HAMP,1 PAS,1 GAF,1 HisKA,1 HATPase_c,1 Response_reg |
| <span style="color: yellow;">■</span> | Hybrid       | 1 GAF,1 HisKA,1 HATPase_c,1 Response_reg              |