



Celly\_2658  
Celly\_1175  
Celly\_3119  
Celly\_2029  
Celly\_2004  
Celly\_2939  
Celly\_0590  
Celly\_3116  
Celly\_2691  
Celly\_2343  
Celly\_0887  
Celly\_2353  
Celly\_0422  
Celly\_1241  
Celly\_0067  
Celly\_2475  
Celly\_3195  
Celly\_1089  
Celly\_0215  
Celly\_0732  
Celly\_0328  
Celly\_2971  
Celly\_1227  
Celly\_2661  
Celly\_3283  
Celly\_2465  
Celly\_2950  
Celly\_1159  
Celly\_1902  
Celly\_1443  
Celly\_1673  
Celly\_0721  
Celly\_3077  
Celly\_0073  
Celly\_0162  
Celly\_2519  
Celly\_2849  
Celly\_2333  
Celly\_3236  
Celly\_2119  
Celly\_1235  
Celly\_0312

**Cluster**

**Family**

**Domains**

- Orphan
- Pair
- Triad
- Tetrad
- Pentad+

| Cluster                               | Family       | Domains  |
|---------------------------------------|--------------|--|
| <span style="color: blue;">■</span>   | unclassified | 1 Response_reg   |
| <span style="color: blue;">■</span>   | NtrC         | 1 Response_reg,1 AAA_5,1 HTH_8                                       |
| <span style="color: yellow;">■</span> | NarL         | 1 Response_reg,1 HTH_LUXR  |
| <span style="color: blue;">■</span>   | NarL         | 1 Response_reg,1 HTH_LUXR  |
| <span style="color: yellow;">■</span> | NarL         | 1 Response_reg,1 HTH_LUXR  |
| <span style="color: yellow;">■</span> | Unorthodox   | 1 HisKA,1 HATPase_c,1 Response_reg,1 Hpt                             |
| <span style="color: yellow;">■</span> | Hybrid       | 1 HisKA,1 HATPase_c,1 Response_reg                                   |
| <span style="color: blue;">■</span>   | CheY         | 1 Response_reg   |
| <span style="color: yellow;">■</span> | LytTR        | 1 Response_reg,1 LytTR   |
| <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> | Hybrid       | 1 HisKA,1 HATPase_c,1 Response_reg,1 HTH_AraC                        |
| <span style="color: yellow;">■</span> | Hybrid       | 1 HisKA,1 HATPase_c,1 Response_reg,1 HTH_AraC                        |
| <span style="color: yellow;">■</span> | CheY         | 1 Response_reg   |
| <span style="color: blue;">■</span>   | CheY         | 1 Response_reg   |
| <span style="color: blue;">■</span>   | CheY         | 1 Response_reg   |
| <span style="color: blue;">■</span>   | CheY         | 1 Response_reg   |
| <span style="color: blue;">■</span>   | CheY         | 1 Response_reg   |
| <span style="color: blue;">■</span>   | CheY         | 1 Response_reg   |
| <span style="color: yellow;">■</span> | NarL         | 1 Response_reg,1 HTH_LUXR  |
| <span style="color: yellow;">■</span> | unclassified | 1 Response_reg,1 AAA   |
| <span style="color: yellow;">■</span> | PglZ         | 1 Response_reg,1 PglZ  |
| <span style="color: yellow;">■</span> | unclassified | 1 Response_reg   |
| <span style="color: yellow;">■</span> | LytTR        | 1 Response_reg,1 LytTR   |
| <span style="color: blue;">■</span>   | OmpR         | 1 Response_reg,1 Trans_reg_C   |
| <span style="color: yellow;">■</span> | Hybrid       | 1 Peripla_BP_1,1 HisKA,1 HATPase_c,1 Response_reg,1 HTH_8,1 HTH_AraC |
| <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>   | LytTR        | 1 Response_reg,1 LytTR   |
| <span style="color: yellow;">■</span> | LytTR        | 1 Response_reg,1 LytTR   |
| <span style="color: blue;">■</span>   | LytTR        | 1 Response_reg,1 LytTR   |
| <span style="color: yellow;">■</span> | LytTR        | 1 Response_reg,1 LytTR   |
| <span style="color: blue;">■</span>   | LytTR        | 1 Response_reg,1 LytTR   |
| <span style="color: blue;">■</span>   | LytTR        | 1 Response_reg,1 LytTR   |
| <span style="color: blue;">■</span>   | LytTR        | 1 Response_reg,1 LytTR   |
| <span style="color: yellow;">■</span> | LytTR        | 1 Response_reg,1 LytTR   |
| <span style="color: blue;">■</span>   | LytTR        | 1 Response_reg,1 LytTR   |
| <span style="color: yellow;">■</span> | LytTR        | 1 Response_reg,1 LytTR   |
| <span style="color: yellow;">■</span> | LytTR        | 1 Response_reg,1 LytTR   |
| <span style="color: yellow;">■</span> | LytTR        | 1 Response_reg,1 LytTR   |
| <span style="color: yellow;">■</span> | LytTR        | 1 Response_reg,1 LytTR   |