



G432\_18045  
 G432\_03615  
 G432\_06655  
 G432\_02830  
 G432\_16855  
 G432\_11260  
 G432\_11515  
 G432\_18040  
 G432\_04460  
 G432\_02725  
 G432\_01215  
 G432\_16895  
 G432\_17640  
 G432\_14990  
 G432\_17635  
 G432\_14995  
 G432\_06700  
 G432\_17260  
 G432\_13830  
 G432\_06410  
 G432\_02820  
 G432\_16450  
 G432\_12265  
 G432\_02935  
 G432\_04425  
 G432\_01740  
 G432\_01535  
 G432\_03225  
 G432\_01170  
 G432\_07380  
 G432\_09135  
 G432\_01160  
 G432\_06230  
 G432\_01590  
 G432\_04395  
 G432\_10390  
 G432\_02120  
 G432\_11525  
 G432\_12935  
 G432\_03620  
 G432\_12060  
 G432\_07375  
 G432\_04480  
 G432\_06675  
 G432\_02835  
 G432\_06650



Orphan  
 Pair  
 Triad  
 Tetrad  
 Pentad+

unclassified  
 CheB  
 CheB  
 CheB  
 LytTR  
 LytTR  
 LytTR  
 Hybrid  
 Hybrid  
 Hybrid  
 Hybrid  
 CheY  
 CheY  
 CheY  
 NarL  
 NarL  
 NarL  
 OmpR  
 OmpR  
 OmpR  
 OmpR  
 OmpR  
 OmpR  
 OmpR  
 OmpR  
 OmpR  
 OmpR  
 OmpR  
 OmpR  
 OmpR  
 NtrC  
 NtrC  
 NarL  
 PrrA  
 NtrC  
 unclassified  
 CheY  
 NarL  
 NtrC  
 NtrC  
 PleD\_VieA  
 NarL  
 CheY  
 CheY  
 Hybrid  
 OmpR  
 CheY  
 CheY  
 CheY

1 REC  
 1 Response\_reg,1 CheB\_methylest  
 1 Response\_reg,1 CheB\_methylest  
 1 Response\_reg,1 CheB\_methylest  
 1 Response\_reg,1 LytTR  
 1 Response\_reg,1 LytTR  
 1 Response\_reg,1 LytTR  
 1 PAS\_4,1 PAS,1 HisKA,1 HATPase\_c,1 Response\_reg  
 1 CHASE3,1 HisKA,1 HATPase\_c,1 Response\_reg  
 1 HisKA,1 HATPase\_c,1 Response\_reg  
 2 PAS\_4,1 PAS\_3,1 HisKA,1 HATPase\_c,1 Response\_reg  
 1 Response\_reg  
 1 Response\_reg  
 1 Response\_reg  
 1 Response\_reg,1 GerE  
 1 Response\_reg,1 GerE  
 1 Response\_reg,1 GerE  
 1 Response\_reg,1 Trans\_reg\_C  
 1 Response\_reg,1 Trans\_reg\_C  
 1 Response\_reg,1 Trans\_reg\_C  
 1 Response\_reg,1 Trans\_reg\_C  
 1 Response\_reg,1 Trans\_reg\_C  
 1 Response\_reg,1 Trans\_reg\_C  
 1 Response\_reg,1 Trans\_reg\_C  
 1 Response\_reg,1 Trans\_reg\_C  
 1 Response\_reg,1 Trans\_reg\_C  
 1 Response\_reg,1 Trans\_reg\_C  
 1 Response\_reg,1 Trans\_reg\_C  
 1 Response\_reg,1 Trans\_reg\_C  
 1 Response\_reg,1 Trans\_reg\_C  
 1 Response\_reg,1 Trans\_reg\_C  
 1 Response\_reg,1 HTH\_LUXR  
 1 Response\_reg,1 HTH\_8  
 1 Response\_reg,1 AAA\_5,1 HTH\_8  
 1 Response\_reg,1 HTH\_LUXR  
 1 Response\_reg,1 HTH\_8  
 1 Response\_reg,1 AAA\_5,1 HTH\_8  
 1 Response\_reg,1 AAA\_5,1 HTH\_8  
 1 Response\_reg,1 GGDEF,1 EAL  
 1 Response\_reg,1 HTH\_LUXR  
 1 Response\_reg  
 1 Response\_reg  
 1 Response\_reg,1 HTH\_LUXR  
 1 Response\_reg  
 1 Response\_reg  
 1 Response\_reg  
 1 Response\_reg