



Nit79A3_2375
 Nit79A3_0454
 Nit79A3_0164
 Nit79A3_0492
 Nit79A3_2519
 Nit79A3_1237
 Nit79A3_1935
 Nit79A3_1236
 Nit79A3_3241
 Nit79A3_0853
 Nit79A3_0470
 Nit79A3_3196
 Nit79A3_3195
 Nit79A3_3076_2
 Nit79A3_2098_1
 Nit79A3_1634
 Nit79A3_0923
 Nit79A3_2839_2
 Nit79A3_2839_1
 Nit79A3_3383
 Nit79A3_2260
 Nit79A3_3194_2
 Nit79A3_2869
 Nit79A3_3263_2
 Nit79A3_2586
 Nit79A3_0586
 Nit79A3_1974
 Nit79A3_1234
 Nit79A3_1866
 Nit79A3_1144
 Nit79A3_2251
 Nit79A3_1088
 Nit79A3_2201
 Nit79A3_1896
 Nit79A3_0918
 Nit79A3_0860
 Nit79A3_3039
 Nit79A3_0297
 Nit79A3_0295
 Nit79A3_3422
 Nit79A3_3421
 Nit79A3_1521
 Nit79A3_1285_1
 Nit79A3_3263_1
 Nit79A3_0929
 Nit79A3_0859
 Nit79A3_3076_1
 Nit79A3_3038
 Nit79A3_2196
 Nit79A3_0403
 Nit79A3_3035
 Nit79A3_1285_2
 Nit79A3_0917
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 Nit79A3_2098_2
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 Nit79A3_0769
 Nit79A3_0858
 Nit79A3_3382
 Nit79A3_2868
 Nit79A3_3203
 Nit79A3_0311



Orphan
 Pair
 Triad
 Tetrad
 Pentad+

Cluster

NtrC
 PrrA
 PrrA
 NtrC
 NarL
 NarL
 PleD_VieA
 Hybrid
 CheA
 Hybrid
 CheY
 RpfG
 PleD_VieA
 PleD
 PleD
 CheY
 CheY
 FrzZ
 FrzZ
 CheY
 Hybrid
 Unorthodox
 Unorthodox
 Hybrid
 OmpR
 OmpR
 OmpR
 NarL
 OmpR
 OmpR
 OmpR
 OmpR
 NarL
 NarL
 NarL
 NarL
 NarL
 unclassified
 NarL
 NarL
 NarL
 NarL
 Hybrid
 CheB
 Hybrid
 PleD
 Hybrid
 CheY
 OmpR
 NarL
 NarL
 Hybrid
 PleD_VieA
 unclassified
 PleD
 unclassified
 Unorthodox
 CheV
 CheY
 VieA
 VieA
 unclassified
 unclassified

Family

1 Response_reg,1 AAA_5,1 HTH_8
 1 Response_reg,1 HTH_8
 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_LUXR
 1 Response_reg,1 PAS_3,1 GGDEF,1 EAL
 1 PAS,2 PAS_3,1 HisKA,1 HATPase_c,1 Response_reg
 2 Hpt,1 H-kinase_dim,1 HATPase_c,1 CheW,1 Response_reg
 1 PAS,1 PAS_4,1 HisKA,1 HATPase_c,1 Response_reg
 1 Response_reg
 1 HDOD,1 Response_reg,1 GGDEF
 1 Response_reg,1 GGDEF,1 EAL
 1 Hpt,2 Response_reg,1 GGDEF
 2 Response_reg,1 GGDEF
 1 Response_reg
 1 Response_reg
 2 Response_reg
 2 Response_reg
 1 Response_reg
 1 HisKA,1 HATPase_c,1 Response_reg
 1 HAMP,1 PAS,1 HisKA,1 HATPase_c,1 Response_reg,1 Hpt
 1 MASE,1,2 PAS,2 PAS_3,1 HisKA,1 HATPase_c,1 REC,1 Response_reg
 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 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_LUXR
 1 Response_reg,1 HTH_LUXR
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 1 Response_reg,1 HTH_LUXR
 2 Response_reg,1 HTH_LUXR
 1 MASE,1,2 PAS,2 PAS_3,1 HisKA,1 HATPase_c,1 REC,1 Response_reg
 1 Response_reg,1 CheB_methylest
 1 Response_reg,1 PAS_3,1 HisKA_3,1 HATPase_c
 1 Hpt,2 Response_reg,1 GGDEF
 1 HisKA,1 HATPase_c,1 Response_reg
 1 Response_reg
 1 Response_reg,1 Trans_reg_C
 1 Response_reg,1 HTH_LUXR
 2 Response_reg,1 HTH_LUXR
 1 Response_reg,1 PAS_3,1 HisKA_3,1 HATPase_c
 1 Response_reg,1 PAS,1 GGDEF,1 EAL
 1 Response_reg
 2 Response_reg,1 GGDEF
 1 Response_reg,1 PAS
 1 HAMP,1 HisKA,1 HATPase_c,2 Response_reg,1 Hpt
 1 CheW,1 Response_reg
 1 Response_reg
 1 Response_reg,1 EAL
 1 Response_reg,1 EAL
 1 Response_reg,1 TPR_2
 1 Response_reg