



Marme_2055_1
Marme_0129
Marme_3651
Marme_0727
Marme_3244
Marme_1118
Marme_3243
Marme_1099
Marme_2056
Marme_1760_2
Marme_4144
Marme_2934
Marme_3216
Marme_4171_2
Marme_1911
Marme_3796_2
Marme_0745
Marme_2922
Marme_0725
Marme_3213
Marme_1105
Marme_0426
Marme_4154
Marme_3725
Marme_3977
Marme_3245_2
Marme_2512_2
Marme_4170
Marme_3797
Marme_3245_1
Marme_1912
Marme_0130
Marme_2022
Marme_1528
Marme_4107
Marme_0369
Marme_3173
Marme_2377
Marme_4042
Marme_3978
Marme_2533
Marme_1451
Marme_4142
Marme_2995
Marme_0788
Marme_3663
Marme_2055_2
Marme_3796_1
Marme_2148
Marme_1034
Marme_3131
Marme_2029
Marme_2026
Marme_3638
Marme_1287
Marme_0318
Marme_3240
Marme_0898
Marme_3529
Marme_1082
Marme_0540
Marme_2817
Marme_1760_1
Marme_1301
Marme_3117
Marme_1523
Marme_4171_1
Marme_2512_1
Marme_4044
Marme_3606
Marme_4113
Marme_3148
Marme_0726
Marme_3179
Marme_2162



Orphan
Pair
Triad
Tetrad
Pentad+

Cluster

Family

Domains

Cluster	Family	Domains
Orphan	Unorthodox	2 PAS_4,1 GAF,1 PAS,1 PAS_3,1 HisKA,1 HATPase_c,2 Response_reg,1 Hpt
Pair	Hybrid	1 HisKA,1 HATPase_c,1 Response_reg
Pair	CheC	1 Response_reg,1 CheC
Orphan	unclassified	1 Response_reg,1 Hpt
Triad	CheY	1 Response_reg
Orphan	Unorthodox	1 HAMP,1 HisKA,1 HATPase_c,1 Response_reg,1 Hpt
Triad	VieA	1 Response_reg,1 EAL
Pair	CheY	1 Response_reg
Pair	PleD	1 Response_reg,1 GGDEF
Orphan	PleD	2 Response_reg,1 GGDEF
Orphan	unclassified	1 Response_reg
Orphan	unclassified	1 Response_reg
Orphan	CheY	1 Response_reg
Pair	Unorthodox	1 S_TKc,1 GAF,1 HisKA,1 HATPase_c,2 Response_reg,1 Hpt
Pair	Hybrid	1 HisKA,1 HATPase_c,1 Response_reg
Pair	Unorthodox	1 PAS_4,1 HisKA,1 HATPase_c,2 Response_reg,1 Hpt
Orphan	Unorthodox	1 HisKA,1 HATPase_c,1 Response_reg,1 Hpt
Pair	CitT	1 Response_reg,1 CitT
Orphan	NtrC	1 Response_reg,1 AAA,1 HTH_8
Pair	CheB	1 Response_reg,1 CheB_methylest
Orphan	CheB	1 Response_reg,1 CheB_methylest
Orphan	CheY	1 Response_reg
Orphan	Hybrid	1 HisKA,1 HATPase_c,1 REC
Pair	unclassified	1 Response_reg
Pair	Hybrid	1 HAMP,1 PAS_4,1 HisKA,1 HATPase_c,1 Response_reg
Triad	Hybrid	1 HisKA,1 HATPase_c,2 Response_reg
Orphan	FrzZ	2 Response_reg
Pair	PleD	1 Response_reg,1 GGDEF
Pair	PleD	1 Response_reg,1 GGDEF
Triad	Hybrid	1 HisKA,1 HATPase_c,2 Response_reg
Pair	RpfG	1 Response_reg,1 HD
Pair	NarL	1 Response_reg,1 HTH_LUXR
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	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
Orphan	Hybrid	1 MASE,1 CHASE,1 HisKA,1 HATPase_c,1 Response_reg
Pair	Unorthodox	2 PAS_4,1 GAF,1 PAS,1 PAS_3,1 HisKA,1 HATPase_c,2 Response_reg,1 Hpt
Pair	Unorthodox	1 PAS_4,1 HisKA,1 HATPase_c,2 Response_reg,1 Hpt
Orphan	CheV	1 CheW,1 Response_reg
Orphan	CheV	1 CheW,1 Response_reg
Orphan	unclassified	1 Response_reg
Pair	unclassified	1 Response_reg
Pair	unclassified	1 Response_reg,1 TPR_2
Orphan	unclassified	1 Response_reg,1 PAS_2
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 HTH_LUXR
Orphan	NarL	1 Response_reg,1 GerE
Orphan	PleD	2 Response_reg,1 GGDEF
Pair	RpfG	1 Response_reg,1 HD
Orphan	NarL	1 Response_reg,1 HTH_LUXR
Pair	CitT	1 Response_reg,1 CitT,1 HTH_11
Pair	Unorthodox	1 S_TKc,1 GAF,1 HisKA,1 HATPase_c,2 Response_reg,1 Hpt
Orphan	FrzZ	2 Response_reg
Orphan	PleD_VieA	1 Response_reg,1 GGDEF,1 EAL
Orphan	unclassified	1 Response_reg,1 AAA_5
Orphan	unclassified	1 Response_reg
Orphan	Hybrid	1 PAS_4,1 HisKA,1 HATPase_c,1 Response_reg
Orphan	RsbU	1 Response_reg,1 SpoII
Pair	LytTR	1 Response_reg,1 LytTR
Orphan	RsbU	1 Response_reg,1 SpoII