



Gene ID	Cluster	Family	Domains
USDA257_c42720_2	Orphan	FrzZ	2 Response_reg
USDA257_c42710_2	Orphan	PleD	2 Response_reg,1 GGDEF
USDA257_c33300_2	Orphan	PleD	2 Response_reg,1 GGDEF
USDA257_c59480_2	Orphan	Hybrid	1 HAMP,1 PAS_4,1 HisKA,1 HATPase_c,2 Response_reg
USDA257_c23250	Orphan	Hybrid	1 HisKA,1 HATPase_c,1 Response_reg
USDA257_c02900	Orphan	CheY	1 Response_reg
USDA257_c02850	Orphan	CheY	1 Response_reg
USDA257_c56210	Triad	Hybrid	1 Response_reg,1 HisKA_2,1 HATPase_c
USDA257_c52630	Orphan	NtrC	1 Response_reg,1 AAA_5,1 HTH_8
USDA257_c59480_1	Orphan	Hybrid	1 HAMP,1 PAS_4,1 HisKA,1 HATPase_c,2 Response_reg
USDA257_c30170	Orphan	CheA	1 Hpt,1 H-kinase_dim,1 HATPase_c,1 CheW,1 Response_reg
USDA257_c33300_1	Orphan	PleD	2 Response_reg,1 GGDEF
USDA257_c23240	Orphan	NarL	1 Response_reg,1 HTH_LUXR
USDA257_c57790	Orphan	OmpR	1 Response_reg,1 Trans_reg_C
USDA257_c34990	Tetrad	NtrC	1 Response_reg,1 AAA_5,1 HTH_8
USDA257_c34970	Tetrad	NtrC	1 Response_reg,1 AAA_5,1 HTH_8
USDA257_c37470	Tetrad	CheY	1 Response_reg
USDA257_c59280	Pair	PrrA	1 Response_reg,1 HTH_8
USDA257_c56250	Orphan	NtrC	1 Response_reg,1 AAA_5,1 HTH_8
USDA257_c11390	Orphan	CheY	1 Response_reg
USDA257_c40760	Orphan	Hybrid	1 PAS,1 PAS_4,1 HisKA,1 HATPase_c,1 Response_reg
USDA257_c39510	Orphan	Hybrid	1 PAS,1 HisKA,1 HATPase_c,1 Response_reg
USDA257_c52880	Orphan	CheY	1 Response_reg
USDA257_c50600	Orphan	CheY	1 Response_reg
USDA257_c37480	Tetrad	NarL	1 Response_reg,1 HTH_LUXR
USDA257_c11380	Orphan	NarL	1 Response_reg,1 GerE
USDA257_c37460	Tetrad	NarL	1 Response_reg,1 HTH_LUXR
USDA257_c38930	Pair	NarL	1 Response_reg,1 GerE
USDA257_c23210	Pair	NtrC	1 Response_reg,1 AAA_5,1 HTH_8
USDA257_c11100	Orphan	NtrC	1 Response_reg,1 AAA,1 HTH_8
USDA257_c30130	Orphan	NarL	1 Response_reg,1 HTH_LUXR
USDA257_c26300	Pair	NarL	1 Response_reg,1 HTH_LUXR
USDA257_c26000	Orphan	NarL	1 Response_reg,1 HTH_LUXR
USDA257_c01640	Orphan	NarL	1 Response_reg,1 HTH_LUXR
USDA257_c21410	Pair	NarL	1 Response_reg,1 GerE
USDA257_c30860	Orphan	NarL	1 Response_reg,1 HTH_LUXR
USDA257_c30850	Orphan	AmiR_NasR	1 Response_reg,1 ANTAR
USDA257_c02890	Orphan	CheB	1 Response_reg,1 CheB_methyllest
USDA257_c32190	Pair	NarL	1 Response_reg,1 HTH_LUXR
USDA257_c26960	Pair	NarL	1 Response_reg,1 HTH_LUXR
USDA257_c29760	Orphan	unclassified	1 Response_reg
USDA257_c19580	Orphan	CheY	1 Response_reg
USDA257_c49510	Orphan	unclassified	1 REC
USDA257_c60720	Pair	OmpR	1 Response_reg,1 Trans_reg_C
USDA257_c39530	Orphan	OmpR	1 Response_reg,1 Trans_reg_C
USDA257_c46650	Pair	OmpR	1 Response_reg,1 Trans_reg_C
USDA257_c26610	Pair	OmpR	1 Response_reg,1 Trans_reg_C
USDA257_c25760	Pair	OmpR	1 Response_reg,1 Trans_reg_C
USDA257_c59060	Orphan	OmpR	1 Response_reg,1 Trans_reg_C
USDA257_c15280	Pair	OmpR	1 Response_reg,1 Trans_reg_C
USDA257_c11230	Pair	OmpR	1 Response_reg,1 Trans_reg_C
USDA257_c51780	Orphan	OmpR	1 Response_reg,1 Trans_reg_C
USDA257_c24130	Pair	OmpR	1 Response_reg,1 Trans_reg_C
USDA257_c09590	Orphan	OmpR	1 Response_reg,1 Trans_reg_C
USDA257_c01290	Orphan	OmpR	1 Response_reg,1 Trans_reg_C
USDA257_c20370	Pair	OmpR	1 Response_reg,1 Trans_reg_C
USDA257_c07560	Pair	OmpR	1 Response_reg,1 Trans_reg_C
USDA257_c61300	Pair	OmpR	1 Response_reg,1 Trans_reg_C
USDA257_c07470	Pair	OmpR	1 Response_reg,1 Trans_reg_C
USDA257_c20610	Orphan	OmpR	1 Response_reg,1 Trans_reg_C
USDA257_c19990	Pair	OmpR	1 Response_reg,1 Trans_reg_C
USDA257_c30880	Orphan	Hybrid	1 HisKA,1 HATPase_c,1 Response_reg
USDA257_c25980	Orphan	Hybrid	1 HisKA,1 HATPase_c,1 Response_reg
USDA257_c21420	Orphan	Hybrid	1 PAS_4,1 HisKA,1 HATPase_c,1 Response_reg
USDA257_c19620	Orphan	CheY	1 Response_reg
USDA257_c12320	Orphan	CheY	1 Response_reg
USDA257_c19790	Orphan	CheY	1 Response_reg
USDA257_c48970	Orphan	unclassified	1 Response_reg
USDA257_c03920	Orphan	unclassified	1 Response_reg
USDA257_c51790	Orphan	CheY	1 Response_reg
USDA257_c22050	Orphan	NarL	1 Response_reg,1 HTH_LUXR
USDA257_c10830	Orphan	NarL	1 Response_reg,1 HTH_LUXR
USDA257_c29570	Orphan	OmpR	1 Response_reg,1 Trans_reg_C
USDA257_c29560	Orphan	OmpR	1 Response_reg,1 Trans_reg_C
USDA257_c00290	Orphan	Hybrid	1 HisKA,1 HATPase_c,1 Response_reg
USDA257_c27280	Orphan	PleD_VieA	1 Response_reg,1 GGDEF,1 EAL
USDA257_c03270	Orphan	OmpR	1 Response_reg,1 Trans_reg_C
USDA257_c42720_1	Orphan	FrzZ	2 Response_reg
USDA257_c42710_1	Orphan	PleD	2 Response_reg,1 GGDEF
USDA257_c33290	Orphan	CheY	1 Response_reg
USDA257_c05280	Orphan	unclassified	1 PAS_4,1 Response_reg
USDA257_c56220	Triad	CheY	1 Response_reg
USDA257_c14010	Orphan	NarL	1 Response_reg,1 HTH_LUXR
USDA257_c13990	Orphan	NarL	1 Response_reg,1 GerE
USDA257_c24680	Pair	NarL	1 Response_reg,1 HTH_LUXR