

Gene cluster	Chemotaxis class	Gene name	Accession	Function	M1 site	M2 site	M3 site	M4 site	Penta-peptide
<i>che</i>	ND	<i>cheY2</i>	ACY31201.1	response regulator					
	F7	<i>cheZ</i>	ACY31202.1	phosphatase					
	ND	<i>cheY1</i>	ACY31220.1	response regulator					
	F7	<i>cheA</i>	ACY31221.1	histidine kinase					
	F7	<i>cheW</i>	ACY31222.1	adaptor					
	F7	<i>cheR</i>	ACY31223.1	methyltransferase					
	ND	<i>cheD</i>	ACY31224.1	deamidase					
	F7	<i>cheB</i>	ACY31225.1	methylesterase					
<i>flm</i>	Tfp	<i>flmE</i>	ACY34735.1	response regulator					
	Tfp	<i>flmD</i>	ACY34734.1	response regulator					
	Tfp	<i>flmC</i>	ACY34733.1	adaptor					
	40H	<i>flmB</i>	ACY34732.1	MCP	no	no	no	no	no
	Tfp	<i>flmA</i>	ACY34731.1	histidine kinase					
orphans	36H	<i>MCP0033</i>	ACY30779.1	MCP	yes	yes	no	yes	no
	36H	<i>MCP0834</i>	ACY31580.1	MCP	yes	no	yes	no	no
	36H	<i>MCP0838</i>	ACY31584.1	MCP	yes	yes	yes	yes	yes
	ND	<i>MCP0846</i>	ACY31592.1	MCP	no	no	no	no	no
	36H	<i>MCP0955</i>	ACY31701.1	MCP	no	yes	yes	yes	no
	36H	<i>MCP1646</i>	ACY32392.1	MCP	yes	yes	yes	yes	yes
	36H	<i>MCP1647</i>	ACY32393.1	MCP	yes	yes	yes	yes	yes
	36H	<i>MCP2001</i>	ACY32747.1	MCP	yes	yes	yes	yes	yes
	36H	<i>MCP2005</i>	ACY32751.1	MCP	no	yes	yes	yes	no
	36H	<i>MCP2201</i>	ACY32947.1	MCP	yes	yes	yes	yes	no
	36H	<i>MCP2342</i>	ACY33088.1	MCP	no	no	yes	no	no
	36H	<i>MCP2901</i>	ACY33647.2	MCP	yes	yes	yes	yes	no
	36H	<i>MCP2923</i>	ACY33669.1	MCP	yes	yes	yes	yes	yes
	36H	<i>MCP2983</i>	ACY33729.1	MCP	yes	yes	yes	yes	yes
	36H	<i>MCP3064</i>	ACY33810.1	MCP	yes	no	yes	no	no
	36H	<i>MCP3329</i>	ACY34075.1	MCP	no	no	no	no	no
	36H	<i>MCP3498</i>	ACY3498.1	MCP	yes	yes	no	yes	no
	36H	<i>MCP4715</i>	ACY35461.1	MCP	yes	yes	yes	yes	no