

Table S4. Strains and Plasmids Used in this Study.

Strain or Plasmid	Genotype or Description*	Reference or Source
<i>S. cerevisiae</i>		
InvSc1	MATa/MAT α leu2/leu2 trp1-289/trp1-289 ura3-52/ura3-	Invitrogen
<i>Echerichia coli</i>		
S17-1(lpir)	thi pro hsdR- hsdM+ "recA RP4-2::TcMu-Km::Tn7	(10)
BTH101	F-, cya-99 , araD139, galE15, galK16, rpsL1 (Str- r) , hsdR2, mcrA1, mcrB1	Euromedex
<i>Pseudomonas fluorescens</i>		
SMC 6370	Wildtype	(11)
SMC 4874	Del-4DGC	(12)
SMC 5981	Del-4DGC + pMQ72 GcbC	This Study
SMC 6068	Del-4DGC, Del-LapD	This Study
SMC 6077	Del-4DGC, Del-LapD + pMQ72 LapD-GcbC	This Study
SMC 6083	Del-4DGC, Del-LapD + pMQ72 GcbC	This Study
SMC 6133	Del-4DGC + pMQ72 GcbC E360R	This Study
SMC 6138	Del-4DGC + pMQ72 GcbC R366E	This Study
SMC 6145	Del-4DGC + pMQ72 GcbC R363E	This Study
SMC 6154	Del-4DGC + pMQ72 pfl01_2295	This Study
SMC 6188	Del-4DGC + pMQ72 pfl01_2295 G476Q	This Study
SMC 6189	Del-4DGC + pMQ72 pfl01_2295 Q483K	This Study
SMC 6192	Del-4DGC, Del-LapD + pMQ72 LapD-GcbC K485E	This Study
SMC 6194	Del-2295	This Study
SMC 6201	Del-4DGC, Del-LapD + pMQ72 LapD E469K-GcbC K485E	This Study
SMC 6204	Del-4DGC, Del-LapD + pMQ72 LapD-GcbC E477R	This Study
SMC 6205	Del-4DGC, Del-LapD + pMQ72 LapD R463E-GcbC E477R	This Study
SMC 6206	Del-4DGC, Del-LapD +	This Study

	pMQ72 LapD-GcbC F481K	
SMC 6207	Del-4DGC, Del-LapD + pMQ72 LapD W467E-GcbC F481K	This Study
SMC 6208	Del-4DGC, Del-LapD + pMQ72 LapD-GcbC D484R	This Study
SMC 6209	Del-4DGC, Del-LapD + pMQ72 LapD R470D-GcbC D484R	This Study
SMC 6347	Del-4DGC, Del-LapD :: LapD E469K + pMQ72 GcbC	This Study
SMC 6348	Del-4DGC, Del-LapD :: LapD W467E + pMQ72 GcbC	This Study
SMC 6349	Del-4DGC, Del-LapD :: LapD R470D + pMQ72 GcbC	This Study
SMC 6350	Del-4DGC, Del-LapD :: LapD R463E + pMQ72 GcbC	This Study
SMC 6982	Del-4DGC, Del-LapD, + pMQ72 LapD R463E-GcbC D484R	
SMC 6983	Del-4DGC, Del-LapD, + pMQ72 LapD R463E-GcbC K485E	This Study
SMC 6984	Del-4DGC, Del-LapD, + pMQ72 LapD E469K-GcbC E477R	This Study
SMC 6985	Del-4DGC, Del-LapD, + pMQ72 LapD E469K-GcbC D484R	This Study
SMC 6991	Del-4DGC, Del-LapD, + pMQ72 LapD R470D-GcbC K485E	This Study
SMC 7072	Del-4DGC + pMQ72 GcbC K485A	This Study
SMC 7074	Del-4DGC + pMQ72 GcbC F481A	This Study
SMC 7075	Del-4DGC + pMQ72 GcbC Q478A	This Study
SMC 7076	Del-4DGC + pMQ72 GcbC E477A	This Study
SMC 7078	Del-4DGC + pMQ72 GcbC	This Study

	K485A, F481A	
SMC 7079	Del-4DGC + pMQ72 GcbC K485A, F481A, E477A	This Study
SMC 7081	Del-4DGC + pMQ72 GcbC F481A, Q478A, E477A	This Study
SMC 7082	Del-4DGC + pMQ72 GcbC K485A, F481A, Q478A, E477A	This Study
SMC 7083	Del-4DGC + pMQ72 GcbC K485A, D484A, F481A, Q478A, E477A	This Study
SMC 7115	Del-4DGC + pMQ72 GcbC Q478A, E477A	This Study
SMC 4869	Del-GcbA, Del-GcbB, Del- WspR	(12)
SMC 7255	Del-GcbA, Del-GcbB, Del- WspR + pMQ72 GcbC	This Study
SMC 7256	Del-GcbA, Del-GcbB, Del- WspR + pMQ72 GcbC K485A, D484A, F481A, Q478A, E477A	This Study
<i>Pseudomonas aeruginosa</i>		
SMC 232	Wildtype	(13)
SMC 6148	pMQ72 GcbC	This Study
SMC 6150	pMQ72 pfl01_2295	This Study
SMC 6535	pMQ72 pfl01_2295 G476Q	This Study
SMC 6536	pMQ72 pfl01_2295 Q483K	This Study
SMC 7113	pMQ72 GcbC K485A, F481A, Q478A, E477A	This Study
SMC 7114	pMQ72 GcbC K485A, D484A, F481A, Q478A, E477A	This Study
Plasmids		This Study
pUT18 LapD		Euromedex
pUT18 vector		Euromedex
pKNT25 vector		Euromedex
pKT25-zip positive control		Euromedex
pUT18C-zip positive control		This Study
pKNT25 GcbC		This Study
pMQ30 Delete LapD		This Study
pMQ30 Delete pfl01_2295		This Study
pKNT25 GcbC GGAAF		This Study
pUT18 LapD Del-HAMP		This Study
pUT18 LapD K446A		This Study

pUT18 LapD E617A		This Study
pKNT25 GcbC K485E		This Study
pKNT25 GcbC F481K		This Study
pKNT25 GcbC D484R		This Study
pKNT25 GcbC E477R		This Study
pKNT25 PA14_04420		This Study
pKNT25 PA14_64050		This Study
pKNT25 PA14_65090		This Study
pKNT25 GcbC K485A, F481A, Q478A, E477A		This Study
pKNT25 GcbC K485A, D484A, F481A, Q478A, E477A		This Study
pUT18 PA14_LapD		This Study
pKNT25 PA14_RoeA		This Study
pUT18 LapD E469K		This Study
pUT18 LapD W467E		This Study
pUT18 LapD R470D		This Study
pUT18 LapD R463E		This Study
pUT18 GcbC		This Study
pKNT25 pfl01_4086		This Study
pKNT25 pfl01_1887		This Study
pKNT25 pfl01_0190		This Study