

Supplementary Table S2: Overview of all single nucleotide polymorphisms, insertions and deletions in the sequenced silver-resistant mutants CH34S1, CH34S2 and NA4S.

Strain	Type <sup>a</sup>	Replicon	Position <sup>b</sup>	Reference	Mutation	Locus tag	Gene	Location <sup>c</sup>	Product
CH34S1	INS	CHR1	1900679	-	+7TACGCAA	1750	agrA	promotor	cation/multidrug efflux pump, RND family
CH34S1	INS	CHR1	1902600		ISRme3	1752	agrS		histidine kinase
CH34S1	INS	CHR1	2375581		ISRme3	2171			conserved hypothetical protein
CH34S1	DEL	CHR1	3626000	ISRme3					
CH34S1	SNP	CHR2	2357183	A	C	5602	5602	promotor	putative threonine dehydratase
CH34S2	SNP	CHR1	701642	A	C	635	635	CDS	conserved hypothetical protein
CH34S2	IND	CHR1	1899865	-	+4CGTG	1750	agrA	CDS	cation/multidrug efflux pump, RND family
CH34S2	INS	CHR1	1901700		IS1086	1752	agrS		histidine kinase
CH34S2	IND	CHR1	2091186	-	+2AC	1924	1924	promotor	short-chain dehydrogenase/reductase
CH34S2	SNP	CHR1	2184792	A	C	/		intergenic	
CH34S2	SNP	CHR1	2351716	A	G	2154	evgS	CDS	hybrid sensory histidine kinase
CH34S2	DEL	CHR1	3090000	IS1086					
CH34S2	INS	CHR1	3250000		ISRme15	2992	ptxS		Phosphonate dehydrogenase
CH34S2	INS	CHR1	3816700		ISRme5	3524	cupA		P-type ATPase
CH34S2	SNP	CHR2	786599	T	C	/		intergenic	
CH34S2	SNP	CHR2	1014441	T	C	4419	bug	CDS	extra-cytoplasmic solute receptor
CH34S2	SNP	CHR2	1904802	A	G	5210	amnE	CDS	4-oxalocrotonate decarboxylase
CH34S2	SNP	CHR2	2423974	T	G	5664	5664	CDS	conserved hypothetical protein
NA4S	INS	contig1	37175	-	+1A	10027	atpE	promotor	membrane bound ATP synthase, F0 sector, subunit c
NA4S	INS	contig2	337185		Tn6049/IS1071	20338			putative transport protein
NA4S	INS	contig4	456000	-	+1A	40422		CDS	protein of unknown function
NA4S	INS	contig4	614969		ISRme9	40587			protein of unknown function
NA4S	SNP	contig5	2	T	C	40708	aroG	promotor	DAHPh synthetase
NA4S	INS	contig5	12079	-	+1C	50008		CDS	subtilisin-like protein
NA4S	INS	contig5	58338	-	+1G	50055		CDS	putative ComEC/Rec2 family protein
NA4S	SNP	contig13	178	T	C	130001	ygjE	CDS	putative tartrate:succinate antiporter
NA4S	SNP	contig14	70936	G	T	140059		CDS	putative ATP-independent periplasmic transporter
NA4S	INS	contig14	294503	-	+1G	/		intergenic	
NA4S	INS	contig15	28539	-	+1G	150029		CDS	protein of unknown function
NA4S	INS	contig15	33194	-	+1T	/		intergenic	
NA4S	INS	contig15	41644		Tn6049/IS1071	150048	ldcA		L, D-carboxypeptidase A
NA4S	INS	contig17	23965	-	+1T	/		intergenic	
NA4S	<b>SNP</b>	<b>contig17</b>	<b>96120</b>	<b>C</b>	<b>T</b>	<b>170097</b>	<b>agrS</b>	<b>CDS</b>	<b>histidine kinase</b>
NA4S	INS	contig20	62207	-	+1T	/		intergenic	
NA4S	INS	contig21	50260	-	+1A	210048		CDS	conserved hypothetical protein

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NA4S	DEL	contig21	163790	-	-1A	/		intergenic	
NA4S	DEL	contig22	12	-	-1T	/		intergenic	
NA4S	INS	contig22	60459	-	+1C	220059		promotor	putative Nudix hydrolase family protein
NA4S	INS	contig22	77866	-	+1A	/		intergenic	
NA4S	SNP	contig25	14	G	A	tRNA35	tRNA35	promotor	Trp tRNA
NA4S	INS	contig25	21	-	+1G	tRNA35	tRNA35	promotor	Trp tRNA
NA4S	SNP	contig26	132	T	C	/		intergenic	
NA4S	INS	contig28	26284	-	+1C	/		intergenic	
NA4S	INS	contig28	26295	-	+1T	/		intergenic	
NA4S	INS	contig30	11070	-	+1C	/		intergenic	
NA4S	INS	contig30	11075	-	+1G	/		intergenic	
NA4S	INS	contig30	11081	-	+1T	/		intergenic	
NA4S	INS	contig34	22290	-	+1C	340025		CDS	conserved protein of unknown function
NA4S	INS	contig34	22309	-	+2GC	340025		CDS	conserved protein of unknown function
NA4S	INS	contig34	22311	-	+2GC	340025		CDS	conserved protein of unknown function
NA4S	INS	contig35	12834	-	+1G	350015		CDS	protein of unknown function
NA4S	SNP	contig37	8	C	T	360013		promotor	Site-specific recombinase
NA4S	SNP	contig40	312169	G	A	410001		promotor	conserved protein of unknown function
NA4S	SNP	contig41	52	G	C	410001		CDS	conserved protein of unknown function
NA4S	DEL	contig46	25929	-	-8CTACGGCT	/		intergenic	
NA4S	SNP	contig50	17723	T	C	500021	copB	CDS	Copper resistance protein B precursor
NA4S	SNP	contig50	17783	A	G	500021	copB	CDS	Copper resistance protein B precursor
NA4S	SNP	contig50	17792	A	C	500021	copB	CDS	Copper resistance protein B precursor
NA4S	SNP	contig50	17813	C	G	500021	copB	CDS	Copper resistance protein B precursor
NA4S	SNP	contig50	17852	G	A	500021	copB	CDS	Copper resistance protein B precursor
NA4S	SNP	contig50	17918	A	G	500021	copB	CDS	Copper resistance protein B precursor
NA4S	SNP	contig50	17977	T	G	500021	copB	CDS	Copper resistance protein B precursor
NA4S	SNP	contig50	18031	G	T	500021	copB	CDS	Copper resistance protein B precursor
NA4S	SNP	contig61	271100	T	C	610253		CDS	conserved hypothetical protein
NA4S	INS	contig63	101621	-	+1G	630097		promotor	conserved protein of unknown function
NA4S	SNP	contig66	8019	A	G	/		intergenic	
NA4S	INS	contig78	72401	-	+1A	/		intergenic	
NA4S	INS	contig78	139300	-	+1C	780194		promotor	conserved protein of unknown function
NA4S	SNP	contig81	9354	C	T	810013		promotor	conserved protein of unknown function
NA4S	SNP	contig81	9364	A	G	810013		promotor	conserved protein of unknown function
NA4S	SNP	contig114	1	T	G	1140001		promotor	conserved protein of unknown function

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<sup>a</sup>DEL: deletion, INS: insertion, SNP: single nucleotide polymorphism; <sup>b</sup>Relative position in contig for NA4S; <sup>c</sup>Location of mutation relative to CDS.