

Table S2. SNV summary table

Patient Specific

Patient	Locus	Strains	Mutation	ACICU coordinate		
				(CP000863.1)	Predicted Annotation	
66	ACICU_01593	ABUH66241	D330V	1705134	predicted peptidylprolyl isomerase	
	ACICU_01187		V435D	1292944	predicted MFS transporter	
	IG					
	ACICU_03134	ABUH66253	L435H	3336320	predicted acyl-CoA dehydrogenase	
	ACICU_03653		E29A	3878791	hypothetical protein	
	ACICU_03047		K95I	3237437	P-nitrobenzoate reductase NfnB	
	ACICU_01827		D167N	1953791	histidine kinase AdeS	
	ACICU_03002		S17R	3190434	PmrB	
	ACICU_01157		A138G	1258634	predicted adenylosuccinate synthase	
	ACICU_01739		A127V	1853419	predicted dehydrogenase	
	ACICU_02177		Q85H	2316655	hypothetical protein	
	ACICU_03477		ABUH66276	A254V	3684991	predicted 4-aminobutyrate transaminase
	ACICU_03495			Q164Stop	3706656	predicted ion channel membrane protein
	ACICU_03498	T57I	3709718	histidine kinase		
	ACICU_00089	synonymous	97031	UDP-glucose 6-dehydrogenase, Ugd		
	ACICU_01827	R313S	1954231	histidine kinase AdeS		
	ACICU_01674	P72L	1788182	predicted MFS transporter		
	ACICU_00303	D525V	327973	RNA polymerase, beta subunit RpoB		
	ACICU_02683	synonymous	2853732	predicted MFS transporter		
	ACICU_02085	A80T	2221632	RecA		
IG	IG		intergenic at 2272424			
ACICU_02039	L428Q	2179008	cytochrome bd-type quinol oxidase			
ACICU_02495	R197C	2634918	predicted protease			
81	ACICU_00804	ABUH81366	synonymous	897417	synonymous at 897086	
	ACICU_01826		A80P	1952756	response regulator AdeR	
	ACICU_02988	Q729Stop	3174596	cation/multidrug efflux pump AdeJ		
	ACICU_00681	ABUH81389	insertion, frameshift at 627AA	754646	predicted restriction endonuclease	
	IG		IG		intergenic at 1499725	
ACICU_03326	ABUH81452	synonymous	3527672	predicted lipoprotein		
280	ACICU_03002	ABUH28081	L94Q	3190204	PmrB	
	ACICU_02317		K127I	2445774	ribosomal small subunit pseudouridine synthase A RsuA	
	ACICU_01889	ABUH28099	synonymous	2010317	predicted MFS transporter	
	ACICU_03002		L257I	3189716	PmrB	
315	ACICU_03157	ABUH315100	W261L	3360002	histidine kinase	
	ACICU_01399		Q319H	1504884	predicted porin	
	ACICU_00546	ABUH315101	synonymous	597683	MacA	
	ACICU_01470		N90K	1579686	transcriptional regulator	
348	V427_0076	ABUH34813	H128Y		hypothetical protein	
	ACICU_00253		LR55C	274453	LPS export ABC transporter permease LptF	
	ACICU_00266		L9P	289416	iron transporter FeoB	
	ACICU_03230	K124Stop	3441077	hypothetical lipoprotein		
	ACICU_01602	ABUH34827	K41N	1714042	lipid A export permease MsbA	
	ACICU_01308		L303Q	1414709	ACICU_01308 L303Q T65S inner membrane protein	
	IG		IG		intergenic	
410	none					
475	ACICU_03157	ABUH475239	G413Stop	3359547	histidine kinase	
	ACICU_00071		P541H	78574	Wcz chain length determinant, tyrosine kinase	
	ACICU_01128	V338I	1225351	predicted glycine/D-amino acid oxidase		
588	ACICU_02689	ABUH588656	T383S	2859017	predicted monomeric isocitrate dehydrogenase	
	ACICU_01096		synonymous	1188586	predicted transporter	
	ACICU_03484	A241V	3692163	predicted MFS transporter		
	ACICU_00706	synonymous	793755	histidine kinase		
	ACICU_00170	ABUH588663	P28L	193257	predicted periplasmic metal binding protein family	
	ACICU_03002		E229D	3189798	PmrB	
	ACICU_03002		Q247L	3189745	PmrB	

Patient Restricted

Patient	Locus	Strains	Mutation	ACICU coordinate		
				(CP000863.1)	Predicted Annotation	
66	ACICU_00712	ABUH66253, ABUH66276	I82F	800157	NADH:ubiquinone oxidoreductase 24kD sub	
	ACICU_00071	ABUH66268, ABUH66271	P542L	78574	Wcz chain length determinant	
	ACICU_00410	ABUH66268, ABUH66271	L18F	453415	ribonuclease E/G Rne	
	IG	ABUH66268, ABUH66271, ABUH66276	IG	2527549	intergenic	
81	up ACICU_01825	ABUH81389, ABUH81452	5bp del at -40	1952412	deletion at -40 from AdeA	
	ACICU_03189	ABUH81389, ABUH81452	L50Q	3396646	predicted phosphohydrolase	
	ACICU_00166	ABUH81389, ABUH81452	A24V	190418	predicted amino acid efflux	
	ACICU_01391	ABUH81389, ABUH81452	G310S	1495608	acetyl-CoA C-acetyltransferase	
	ACICU_03002	ABUH81389, ABUH81452	T115I	3190141	PmrB	
	280	ACICU_03063	ABUH28092, ABUH28099	K114Stop	3257978	pilus assembly protein PilG
ACICU_00705		ABUH28092, ABUH28093, ABUH28099	C70S	792284	transcriptional regulator	
ACICU_00545		ABUH28092, ABUH28093	V328W	595540	MacB ABC-type efflux pump	
ACICU_02581		ABUH28092, ABUH28093, ABUH28099	A100T	2737785	acetinobactin receptor BauA	
ACICU_03002		ABUH28092, ABUH28093, ABUH28099	V31F	3190394	PmrB	
ACICU_02130		ABUH28092, ABUH28099	G286V	2267550	nitrate reductase NirD	
ACICU_01494		ABUH28092, ABUH28099	I183N	1602946	arsenic resistance ArsB	
ACICU_01494		ABUH28092, ABUH28099	L191F	1602971	arsenic resistance ArsB	
410		ACICU_03027	ABUH410103, ABUH410108	1bp deletion	3217412	hypothetical protein
		ACICU_03387	ABUH410103, ABUH410108	1bp deletion	3593806	signal peptide conserved hypothetical