

Table S11 - Iron-related genes in *A. baumannii* AB6870155 and *K. pneumoniae* KP6870155

strain	gene	locus_tag	product	log2FC	padj	HMM*	bitscore*	bitscore_ cutoff*
AB6870155	pchR	MDBDAHJL_	iron_gene_regulation	1.64256943	7.5E-13	Sid_PchR_pyoche	29.7	18.3
AB6870155	iscU	MDBDAHJL_	Fe-S cluster assembly scaffold IscU	1.3044622	0.00034	NA	NA	NA
AB6870155	iscA	MDBDAHJL_	iron-sulfur cluster assembly protein IscA	0.85151225	0.02059	NA	NA	NA
AB6870155	fitA	MDBDAHJL_	TonB-dependent siderophore receptor	0.80187601	0.001	PiuA-family-sider	164.4	101
AB6870155	MDBDAF	MDBDAHJL_	iron_gene_regulation	0.72258904	0.00059	Sid_PchR_pyoche	19	18.3
AB6870155	MDBDAF	MDBDAHJL_	iron_aquisition-siderophore_transport_potential	0.71848713	0.07959	TonB-family	72.9	24.6
AB6870155	MDBDAF	MDBDAHJL_	iron_gene_regulation	0.70641903	0.00044	Sid_PchR_pyoche	37.9	18.3
AB6870155	iscR	MDBDAHJL_	Rrf2 family transcriptional regulator	0.59318614	0.00446	NA	NA	NA
AB6870155	zur	MDBDAHJL_	iron_gene_regulation	0.56862345	0.07293	PF01475-Iron_de	40	23.8
AB6870155	iscS	MDBDAHJL_	IscS subfamily cysteine desulfurase	0.55641896	0.00702	NA	NA	NA
AB6870155	MDBDAF	MDBDAHJL_	iron_aquisition-siderophore_transport_potential	0.54109165	0.17447	ExbD-family	97.7	32.7
AB6870155	bfr_2	MDBDAHJL_	iron_storage	0.53464945	0.04025	PF00210-Ferritin	110.4	44
AB6870155	MDBDAF	MDBDAHJL_	iron_gene_regulation	0.44016824	0.21388	Sid_Yqjl_regulat	100.3	20
AB6870155	macA	MDBDAHJL_	iron_aquisition-siderophore_transport_potential	0.38963175	0.0756	PvdR-family-side	244.9	61
AB6870155	tolA	MDBDAHJL_	iron_aquisition-siderophore_transport_potential	0.38275099	0.16102	TonB-family	47.8	21.8
AB6870155	MDBDAF	MDBDAHJL_	iron_aquisition-siderophore_transport_potential	0.37574365	0.17059	ExbD-family	86.6	32.7
AB6870155	MDBDAF	MDBDAHJL_	iron_aquisition-siderophore_transport_potential	0.36896651	0.217	ExbD-family	79.8	32.7
AB6870155	MDBDAF	MDBDAHJL_	iron_aquisition-siderophore_transport_potential	0.35343176	0.22827	ExbB-family	127.3	22.3
AB6870155	MDBDAF	MDBDAHJL_	iron_aquisition-siderophore_transport_potential	0.33337318	0.1412	PirA-family-sider	123.1	75.3
AB6870155	tolQ	MDBDAHJL_	iron_aquisition-siderophore_transport_potential	0.33071098	0.14119	ExbB-family	133.3	22.3
AB6870155	tolR	MDBDAHJL_	iron_aquisition-siderophore_transport_potential	0.18279693	0.56156	ExbD-family	101.6	32.7
AB6870155	macB	MDBDAHJL_	iron_aquisition-siderophore_transport_potential	0.13619898	0.58383	PvdT-family-side	585.1	175
AB6870155	fur_1	MDBDAHJL_	ferric iron uptake transcriptional regulator	0.08890776	0.75314	PF01475-Iron_de	57.7	23.8
AB6870155	MDBDAF	MDBDAHJL_	iron_gene_regulation	0.08360165	0.75771	Sid_PchR_pyoche	27.5	18.3
AB6870155	MDBDAF	MDBDAHJL_	iron_aquisition-siderophore_transport_potential	0.08196591	0.85971	FpvD-family-side	58.8	40
AB6870155	MDBDAF	MDBDAHJL_	iron_gene_regulation	0.06991984	0.80914	Sid_PchR_pyoche	31.5	18.3
AB6870155	MDBDAF	MDBDAHJL_	iron_gene_regulation	0.05590304	0.87549	Sid_PchR_pyoche	20.3	18.3
AB6870155	znuD_1	MDBDAHJL_	zinc piracy TonB-dependent receptor ZnuD	0.0206143	0.9684	NA	NA	NA

AB6870155	MDBDAF MDBDAHJL_iron_gene_regulation	0.00380513	0.99184	Sid_PchR_pyoche	18.9	18.3
AB6870155	MDBDAF MDBDAHJL_iron_gene_regulation	-0.002858	0.99524	Sid_PchR_pyoche	26.3	18.3
AB6870155	feoC MDBDAHJL_hypothetical protein	-0.0192657	0.94587	NA	NA	NA
AB6870155	MDBDAF MDBDAHJL_iron_gene_regulation	-0.0336874	0.87965	Sid_PchR_pyoche	19.4	18.3
AB6870155	znuD_2 MDBDAHJL_zinc piracy TonB-dependent receptor ZnuD	-0.1218421	0.80782	NA	NA	NA
AB6870155	modC MDBDAHJL_iron_aquisition-siderophore_synthesis	-0.1402675	0.69054	PchH-family-side	52.5	24
AB6870155	MDBDAF MDBDAHJL_iron_aquisition-iron_transport	-0.1679234	0.64406	FbpB-family-iron	165.3	88.4
AB6870155	MDBDAF MDBDAHJL_iron_aquisition-siderophore_transport_potential	-0.1966875	0.52545	ExbB-family	111.5	22.3
AB6870155	MDBDAF MDBDAHJL_iron_gene_regulation	-0.2317235	0.41916	Sid_PchR_pyoche	21.8	18.3
AB6870155	fur_2 MDBDAHJL_ferric iron uptake transcriptional regulator	-0.2602182	0.14258	PF01475-Iron_de	154.6	23.8
AB6870155	bfr_1 MDBDAHJL_iron_storage	-0.2689854	0.57046	PF00210-Ferritin	107.4	44
AB6870155	MDBDAF MDBDAHJL_iron_aquisition-iron_transport	-0.2847353	0.50247	FbpA-family-iron	81.4	62
AB6870155	feoA MDBDAHJL_ferrous iron transport protein A	-0.342261	0.05601	FeoA-family-iron	57.6	21
AB6870155	MDBDAF MDBDAHJL_iron_gene_regulation	-0.3533939	0.07608	Sid_PchR_pyoche	25.6	18.3
AB6870155	MDBDAF MDBDAHJL_iron_gene_regulation	-0.3697894	0.07338	Sid_PchR_pyoche	22.2	18.3
AB6870155	iscX MDBDAHJL_Fe-S cluster assembly protein IscX	-0.3972875	0.06223	NA	NA	NA
AB6870155	feaR MDBDAHJL_iron_gene_regulation	-0.4506395	0.14878	Sid_PchR_pyoche	21.3	18.3
AB6870155	MDBDAF MDBDAHJL_iron_gene_regulation	-0.601699	0.0331	Sid_PchR_pyoche	21.4	18.3
AB6870155	MDBDAF MDBDAHJL_iron_aquisition-iron_transport	-0.7027582	0.06794	FbpC-family-ATPi	342.1	300
AB6870155	MDBDAF MDBDAHJL_iron_aquisition-siderophore_transport_potential	-0.756935	0.0138	TonB-family	49	24.6
AB6870155	exbD MDBDAHJL_iron_aquisition-siderophore_transport_potential	-0.9143042	0.00013	ExbD-family	94.8	32.7
AB6870155	MDBDAF MDBDAHJL_iron_aquisition-siderophore_transport_potential	-0.9401772	1.4E-06	PiuA-family-sider	164.4	101
AB6870155	fhuA MDBDAHJL_TonB-dependent receptor	-1.0338058	#####	NA	NA	NA
AB6870155	MDBDAF MDBDAHJL_iron_aquisition-siderophore_transport_potential	-1.2393793	1.9E-07	PiuA-family-sider	198.5	101
AB6870155	pfeA MDBDAHJL_TonB-dependent siderophore receptor	-1.274328	#####	NA	NA	NA
AB6870155	feoB MDBDAHJL_ferrous iron transporter B	-1.5093909	#####	FeoB-family-iron	191.4	120.4
AB6870155	MDBDAF MDBDAHJL_iron_aquisition-siderophore_transport_potential	-1.5663928	9.9E-09	ExbB-family	118.7	22.3
AB6870155	MDBDAF MDBDAHJL_iron_aquisition-siderophore_transport_potential	-2.1826742	3.5E-08	PirA-family-sider	91	75.3
AB6870155	dhbA MDBDAHJL_iron_aquisition-siderophore_synthesis	-2.89834	2.4E-42	VabA-family-side	334.7	235
AB6870155	basF_2 MDBDAHJL_iron_aquisition-siderophore_synthesis	-3.1568312	5.1E-40	VabB-family-side	333.5	75
AB6870155	MDBDAF MDBDAHJL_iron_aquisition-siderophore_transport_potential	-3.3908918	7E-38	FptC-family-sider	43.5	18.2
AB6870155	fecI MDBDAHJL_putative RNA polymerase sigma factor FecI	-3.6574923	#####	Sid_PvdS_regulat	48.8	18.7

AB6870155	MDBDAH	MDBDAHJL_iron_gene_regulation	-3.7134283	2E-17	PF04773_FecR	70.6	21.3
AB6870155	MDBDAH	MDBDAHJL_iron_aquisition-siderophore_transport_potential	-4.7901634	8E-29	TonB-family	42.6	24.6
KP6870155	fhuF	OCMDEDLK_Ferric iron reductase protein FhuF	1.62404313	#####	NA	NA	NA
KP6870155	3.6.3.34	OCMDEDLK_iron_aquisition-iron_transport	1.5824229	7.9E-07	YfeB-family-men	380.1	50.9
KP6870155	NA	OCMDEDLK_iron_aquisition-iron_transport	1.31343682	4.6E-06	YfeA-family-iron-	464.2	46.6
KP6870155	btuB	OCMDEDLK_Vitamin B12 transporter BtuB	1.2889887	0.01487	NA	NA	NA
KP6870155	2.1.1.-	OCMDEDLK_iron_gene_regulation	1.12588274	0.00223	Sid_PchR_pyoche	21.3	18.3
KP6870155	fepA_2	OCMDEDLK_Ferrienterobactin receptor	1.04068974	0.00986	NA	NA	NA
KP6870155	NA	OCMDEDLK_iron_gene_regulation	0.80891572	0.16499	Sid_PchR_pyoche	18.5	18.3
KP6870155	NA	OCMDEDLK_iron_gene_regulation	0.80130626	0.01664	PF02742-Iron_de	47.3	20.7
KP6870155	yqjH	OCMDEDLK_NADPH-dependent ferric-chelate reductase	0.78954582	0.20173	NA	NA	NA
KP6870155	bfr	OCMDEDLK_Bacterioferritin	0.78819415	0.01448	PF00210-Ferritin	121.7	44
KP6870155	NA	OCMDEDLK_iron_aquisition-siderophore_transport_potential	0.7818303	0.02909	PvuD-family-ATP	330.9	172
KP6870155	3.6.3.34	OCMDEDLK_iron_aquisition-siderophore_transport_potential	0.65025181	0.37264	FpvD-family-side	84.6	40
KP6870155	fiu	OCMDEDLK_Catecholate siderophore receptor Fiu	0.61298942	0.35713	NA	NA	NA
KP6870155	fepC_1	OCMDEDLK_Ferric enterobactin transport ATP-binding protein F	0.54310879	0.23182	YfeB-family-men	97.4	50.9
KP6870155	NA	OCMDEDLK_iron_gene_regulation	0.46492043	0.48041	Sid_PchR_pyoche	19.2	18.3
KP6870155	NA	OCMDEDLK_iron_aquisition-iron_transport	0.37771733		FbpC-family-ATP	319.3	300
KP6870155	NA	OCMDEDLK_iron_gene_regulation	0.3542689	0.20593	Sid_PchR_pyoche	19.5	18.3
KP6870155	NA	OCMDEDLK_iron_aquisition-siderophore_transport_potential	0.3143049		FpvE-family-pern	304.5	25.8
KP6870155	1.16.-.-	OCMDEDLK_iron_storage	0.27121834	0.37437	PF00210-Ferritin	66.9	44
KP6870155	fur	OCMDEDLK_Ferric uptake regulation protein	0.25759201	0.40011	PF01475-Iron_de	161.6	23.8
KP6870155	1.11.1.-	OCMDEDLK_iron_aquisition-iron_transport	0.18190345	0.82246	EfeB-family pero	929.6	185.4
KP6870155	NA	OCMDEDLK_iron_gene_regulation	0.16975274	0.81973	Sid_Yqjl_regulatc	243.1	20
KP6870155	NA	OCMDEDLK_iron_aquisition-siderophore_transport_potential	0.1661871		PvuD-family-ATP	240.1	172
KP6870155	NA	OCMDEDLK_iron_gene_regulation	0.16329864	0.82398	Sid_PchR_pyoche	24	18.3
KP6870155	NA	OCMDEDLK_iron_aquisition-iron_transport	0.12247761		FbpB-FutB-famil	172	118
KP6870155	NA	OCMDEDLK_iron_gene_regulation	0.11821486	0.87814	Sid_PchR_pyoche	21.9	18.3
KP6870155	NA	OCMDEDLK_iron_gene_regulation	0.08984486	0.90424	Sid_PchR_pyoche	24.1	18.3
KP6870155	NA	OCMDEDLK_iron_aquisition-siderophore_transport_potential	0.08528719		FpvE-family-pern	285.4	25.8
KP6870155	NA	OCMDEDLK_iron_gene_regulation	0.06636487	0.9432	Sid_PchR_pyoche	45.1	18.3
KP6870155	NA	OCMDEDLK_iron_gene_regulation	0.06507911	0.93855	Sid_PchR_pyoche	24.4	18.3

KP6870155	NA	OCMDEDLK iron_gene_regulation	0.06107962		Sid_PchR_pyoche 25.1	18.3
KP6870155	NA	OCMDEDLK iron_gene_regulation	0.03575312	0.96703	Sid_PchR_pyoche 19.3	18.3
KP6870155	NA	OCMDEDLK iron_aquisition-iron_transport	0.01064798		FbpA-family-iron 66.2	62
KP6870155	NA	OCMDEDLK iron_aquisition-siderophore_transport_potential	-0.0340494		FpvE-family-pern 277.7	25.8
KP6870155	NA	OCMDEDLK iron_gene_regulation	-0.0341401	0.96928	Sid_PchR_pyoche 23.5	18.3
KP6870155	2.1.1.-	OCMDEDLK iron_gene_regulation	-0.0408982	0.96156	Sid_PchR_pyoche 24.7	18.3
KP6870155	NA	OCMDEDLK iron_aquisition-iron_transport	-0.0653115	0.92787	YfeA-family-iron- 140.5	46.6
KP6870155	NA	OCMDEDLK iron_aquisition-iron_transport	-0.0817763		FbpA-family-iron 78.7	62
KP6870155	NA	OCMDEDLK iron_gene_regulation	-0.1046122	0.90092	Sid_PchR_pyoche 37	18.3
KP6870155	NA	OCMDEDLK iron_aquisition-siderophore_transport_potential	-0.1828481		HatD-family-subst 67.2	27.5
KP6870155	3.6.3.-	OCMDEDLK iron_aquisition-siderophore_transport_potential	-0.1861953	0.79073	PvdT-family-side 585.2	175
KP6870155	ftnA_1	OCMDEDLK Bacterial non-heme ferritin	-0.1871561	0.77887	PF00210-Ferritin 113.6	44
KP6870155	NA	OCMDEDLK iron_gene_regulation	-0.2210645	0.78	PF09012_sub-Fer 20.1	20.9
KP6870155	NA	OCMDEDLK iron_aquisition-siderophore_transport_potential	-0.2808304	0.68211	PvdR-family-side 206.9	61
KP6870155	pfeA	OCMDEDLK Ferric enterobactin receptor	-0.2808475	0.71587	NA	NA
KP6870155	fcuA	OCMDEDLK Ferrichrome receptor FcuA	-0.386288	0.60368	NA	NA
KP6870155	bfd	OCMDEDLK Bacterioferritin-associated ferredoxin	-0.4288188	0.26674	NA	NA
KP6870155	NA	OCMDEDLK iron_gene_regulation	-0.4301927	0.38541	Sid_PchR_pyoche 19.8	18.3
KP6870155	NA	OCMDEDLK iron_gene_regulation	-0.4622592	0.53249	PF09012_sub-Fer 80.6	20.9
KP6870155	fhuA_1	OCMDEDLK Ferrichrome outer membrane transporter/phage re	-0.4724672	0.38139	NA	NA
KP6870155	NA	OCMDEDLK iron_aquisition-siderophore_transport_potential	-0.483142	0.51865	FpvE-family-pern 286.5	25.8
KP6870155	3.6.3.34	OCMDEDLK iron_aquisition-siderophore_transport_potential	-0.5244652	0.47998	PvuE-family-ATP- 276.5	200.1
KP6870155	fhuA_2	OCMDEDLK Ferrichrome outer membrane transporter/phage re	-0.5838313	0.4138	PiuA-family-side 244.1	101
KP6870155	NA	OCMDEDLK iron_aquisition-siderophore_transport_potential	-0.5934313	0.39933	FpvE-family-pern 484.5	25.8
KP6870155	NA	OCMDEDLK iron_gene_regulation	-0.5964409	0.41664	Sid_PchR_pyoche 25.8	18.3
KP6870155	NA	OCMDEDLK iron_aquisition-siderophore_transport_potential	-0.5968487	0.39933	FpvE-family-pern 103.1	25.8
KP6870155	NA	OCMDEDLK iron_aquisition-siderophore_transport_potential	-0.5968487	0.39933	FpvE-family-pern 103.1	25.8
KP6870155	NA	OCMDEDLK iron_aquisition-siderophore_transport_potential	-0.6296415		FpvE-family-pern 303.5	25.8
KP6870155	NA	OCMDEDLK iron_aquisition-siderophore_transport_potential	-0.6410731	0.23308	PirA-family-side 103	75.3
KP6870155	NA	OCMDEDLK iron_aquisition-siderophore_transport_potential	-0.6489563	0.37446	HatD-family-subst 80.9	27.5
KP6870155	NA	OCMDEDLK iron_aquisition-siderophore_transport_potential	-0.6514469		HatD-family-subst 100.1	27.5
KP6870155	NA	OCMDEDLK iron_aquisition-siderophore_transport_potential	-0.7029784	0.31059	HatD-family-subst 110.8	27.5

KP6870155	NA	OCMDEDLK_iron_gene_regulation	-0.7184772	0.30023	Sid_PchR_pyoche	44.7	18.3
KP6870155	NA	OCMDEDLK_iron_aquisition-siderophore_transport_potential	-0.7462982	0.28081	HatD-family-sub	104.4	27.5
KP6870155	NA	OCMDEDLK_iron_aquisition-siderophore_transport_potential	-0.7466209	0.03646	ExbB-family	136.4	22.3
KP6870155	NA	OCMDEDLK_iron_aquisition-siderophore_transport_potential	-0.7655151	0.22932	ExbB-family	157.4	22.3
KP6870155	NA	OCMDEDLK_iron_gene_regulation	-0.7673717	0.23929	Sid_PchR_pyoche	31.3	18.3
KP6870155	besA	OCMDEDLK_Ferri-bacillibactin esterase BesA	-0.7771324	0.27636	NA	NA	NA
KP6870155	NA	OCMDEDLK_iron_aquisition-siderophore_transport_potential	-0.8033154	0.23443	FpvE-family-pern	310.7	25.8
KP6870155	3.6.3.-	OCMDEDLK_iron_aquisition-siderophore_transport_potential	-0.8179008	0.03905	FpvD-family-side	105.5	40
KP6870155	NA	OCMDEDLK_iron_gene_regulation	-0.818599	0.21055	Sid_PchR_pyoche	20.7	18.3
KP6870155	NA	OCMDEDLK_iron_gene_regulation	-0.8927322	0.20557	Sid_PchR_pyoche	23.7	18.3
KP6870155	4.1.1.86	OCMDEDLK_iron_aquisition-siderophore_synthesis	-0.9286456	0.13761	RhbB-family-side	563.9	61.9
KP6870155	NA	OCMDEDLK_iron_aquisition-siderophore_transport_potential	-0.9351085	0.17211	ExbD-family	82.9	32.7
KP6870155	NA	OCMDEDLK_iron_aquisition-siderophore_transport_potential	-1.0278224	0.07178	HatD-family-sub	103.4	27.5
KP6870155	ftnA_2	OCMDEDLK_Bacterial non-heme ferritin	-1.0459721	0.13274	PF00210-Ferritin	56.8	44
KP6870155	NA	OCMDEDLK_iron_gene_regulation	-1.0508164	0.01393	PF01475-Iron_de	57	23.8
KP6870155	3.6.3.-	OCMDEDLK_iron_aquisition-heme_transport	-1.0788266	0.10613	HmuV-family-AT	303.8	220
KP6870155	NA	OCMDEDLK_iron_aquisition-siderophore_transport_potential	-1.172087	0.04707	ExbD-family	103.5	32.7
KP6870155	NA	OCMDEDLK_iron_aquisition-siderophore_transport_potential	-1.2305355	0.07418	FpvE-family-pern	26.2	25.8
KP6870155	3.6.3.33	OCMDEDLK_iron_aquisition-siderophore_transport_potential	-1.2464446	0.06933	FpvD-family-side	56.3	40
KP6870155	2.6.1.76	OCMDEDLK_iron_aquisition-siderophore_synthesis	-1.2684863	0.01487	RhbA-family-side	621.3	35
KP6870155	NA	OCMDEDLK_iron_aquisition-iron_transport	-1.2934565	0.05954	FeoA-family-iron	35.7	21
KP6870155	NA	OCMDEDLK_iron_aquisition-siderophore_transport_potential	-1.2989231	0.06	HatD-family-sub	92.7	27.5
KP6870155	fhuA_3	OCMDEDLK_Ferrichrome outer membrane transporter/phage re	-1.3019715	0.0006	PiuA-family-sider	228.6	101
KP6870155	NA	OCMDEDLK_iron_aquisition-iron_transport	-1.3120595	0.0542	EfeO-family-iron	784	31.7
KP6870155	3.6.3.-	OCMDEDLK_iron_aquisition-siderophore_synthesis	-1.3164677	0.05304	Pchl-family-sider	36	24
KP6870155	NA	OCMDEDLK_iron_aquisition-iron_transport	-1.6094061	0.01224	FeoB-family-iron	215.6	28
KP6870155	NA	OCMDEDLK_iron_aquisition-iron_transport	-1.7458823	0.00291	EfeU-family-iron	245.4	24.9
KP6870155	iutA	OCMDEDLK_Ferric aerobactin receptor	-1.8955127	0.00159	NA	NA	NA
KP6870155	cirA	OCMDEDLK_Colicin I receptor	-2.6685442	#####	NA	NA	NA

*Genes with NA values were not retrieved by FeGenie