

Genome structure variation

Table. List of gene variation encoded in the thirteen *Edwardsiella* sp. genomes.

		<i>E. ictaluri</i> 93-146	<i>E. ictaluri</i> LADL11-100	<i>E. ictaluri</i> LADL11-194	<i>E. ictaluri</i> ATCC33202	<i>E. ictaluri</i> RUSVM-1	<i>E. piscicida</i> C07-087	<i>E. piscicida</i> ACC35.1	<i>E. piscicida</i> ETW41	<i>E. piscicida</i> JF1305	<i>E. piscicida</i> S11-285	<i>E. tarda</i> EIB202	<i>E. tarda</i> ET883	<i>E. tarda</i> FL6-60
<i>E. ictaluri</i> specific	Urea transporter	NT01EI_ RS08985	ABY58_ 16655	ACS33_ 16715	EIEH_ RS04010	B6E78_ RS02900	-	-	-	-	-	-	-	-
	Urease accessory protein UreD	NT01EI_ RS08990	ABY58_ 15600	ACS33_ 15500	EIEH_ RS04015	B6E78_ RS02915	-	-	-	-	-	-	-	-
	Urease accessory protein UreG	NT01EI_ RS08995	ABY58_ 15605	ACS33_ 15505	EIEH_ RS04020	B6E78_ RS02920	-	-	-	-	-	-	-	-
	Urease accessory protein UreF	NT01EI_ RS09000	ABY58_ 15610	ACS33_ 15510	EIEH_ RS04025	B6E78_ RS02925	-	-	-	-	-	-	-	-
	Urease accessory protein UreE	NT01EI_ RS18150	ABY58_ 15615	ACS33_ 15515	EIEH_ RS17285	B6E78_ RS02930	-	-	-	-	-	-	-	-
	Urease subunit alpha UreC	NT01EI_ RS09010	ABY58_ 15620	ACS33_ 15520	EIEH_ RS04035	B6E78_ RS02935	-	-	-	-	-	-	-	-
	Urease subunit beta UreB	NT01EI_ RS09015	ABY58_ 15625	ACS33_ 15525	EIEH_ RS04040	B6E78_ RS02935	-	-	-	-	-	-	-	-
	Urease subunit gamma UreA	NT01EI_ RS09020	ABY58_ 15630	ACS33_ 15530	EIEH_ RS04045	B6E78_ RS02945	-	-	-	-	-	-	-	-
	Protoheme IX farnesyltransferase	NT01EI_ RS09660	ABY58_ 16380	ACS33_ 16620	EIEH_ RS04270	B6E78_ RS03595	-	-	-	-	-	-	-	-
	Cytochrome o ubiquinol oxidase subunit IV	NT01EI_ RS09665	ABY58_ 16375	ACS33_ 16610	EIEH_ RS04265	B6E78_ RS03600	-	-	-	-	-	-	-	-
	Cytochrome o ubiquinol oxidase subunit III	NT01EI_ RS09670	ABY58_ 16370	ACS33_ 16605	EIEH_ RS04260	B6E78_ RS03605	-	-	-	-	-	-	-	-
	Cytochrome o ubiquinol oxidase subunit I	NT01EI_ RS09675	ABY58_ 16365	ACS33_ 16600	EIEH_ RS04255	B6E78_ RS03610	-	-	-	-	-	-	-	-
	Cytochrome o ubiquinol oxidase subunit II	NT01EI_ RS09680	ABY58_ 16360	ACS33_ 16595	EIEH_ RS04250	B6E78_ RS03615	-	-	-	-	-	-	-	-
<i>E. ictaluri</i> non- specific	Tetrathionate reductase subunit B	-	-	-	-	-	ETAC_ RS07565	BRD58_ RS08685	BXA22_ RS17320	HI13_contig00045- 0003	A9797_ RS08025	ETAE_ RS07780	KP73_ RS03925	ETAF_ RS07530
	Tetrathionate reductase subunit C	-	-	-	-	-	ETAC_ RS07570	BRD58_ RS08690	BXA22_ RS17315	HI13_contig00045- 0002	A9797_ RS08030	ETAE_ RS07785	KP73_ RS03930	ETAF_ RS 07535
	Tetrathionate reductase subunit A	-	-	-	-	-	ETAC_ RS07575	BRD58_ RS08695	BXA22_ RS17310	HI13_contig00045- 0001	A9797_ RS08035	ETAE_ RS07790	KP73_ RS03935	ETAF_ RS07540

Capsular polysaccharide synthesis enzyme CpsB	-	-	-	-	-	ETAC_RS08925	BRD58_RS10215	BXA22_RS16010	HI13_contig00004-0080	A9797_RS09320	ETAE_RS09080	KP73_RS06285	ETAF_RS08820
Capsular polysaccharide synthesis enzyme CpsC	-	-	-	-	-	ETAC_RS08930	BRD58_RS10220	BXA22_RS16005	HI13_contig00004-0081	A9797_RS09325	ETAE_RS09085	KP73_RS06290	ETAF_RS08825
Capsular polysaccharide synthesis enzyme CpsD	-	-	-	-	-	ETAC_RS08935	BRD58_RS10225	BXA22_RS16000	HI13_contig00004-0082	A9797_RS09330	ETAE_RS09090	KP73_RS06295	ETAF_RS08830
Capsular polysaccharide biosynthesis protein	-	-	-	-	-	ETAC_RS08940	BRD58_RS10230	BXA22_RS15995	HI13_contig00004-0083	A9797_RS09335	ETAE_RS09095	KP73_RS06300	ETAF_RS08835
Vibrioferriin ligase/carboxylase PvsA	-	-	-	-	-	ETAC_RS09010	BRD58_RS10300	BXA22_RS15925	HI13_contig00004-0097	A9797_RS09405	ETAE_RS09165	KP73_RS06370	ETAF_RS08905
Vibrioferriin amide bond forming protein PvsB	-	-	-	-	-	ETAC_RS09015	BRD58_RS10305	BXA22_RS15920	HI13_contig00004-0098	A9797_RS09410	ETAE_RS09170	KP73_RS06375	ETAF_RS08910
Vibrioferriin membrane-spanning transporter PvsC	-	-	-	-	-	ETAC_RS09020	BRD58_RS10310	BXA22_RS15915	HI13_contig00004-0099	A9797_RS09415	ETAE_RS09175	KP73_RS14940	ETAF_RS08915
Vibrioferriin amide bond forming protein PvsD	-	-	-	-	-	ETAC_RS09025	BRD58_RS10315	BXA22_RS15910	HI13_contig00004-0100	A9797_RS09420	ETAE_RS09180	KP73_RS14935	ETAF_RS08920
Vibrioferriin decarboxylase PvsE	-	-	-	-	-	ETAC_RS09030	BRD58_RS10320	BXA22_RS15905	HI13_contig00004-0101	A9797_RS09425	ETAE_RS09185	KP73_RS14930	ETAF_RS08925