

Supplementary Information:

Variations in SXT elements in epidemic *Vibrio cholerae* O1 El Tor strains in China

Ruibai Wang^{1,3}, Dong Yu², Junjie Yue^{2*}, Biao Kan^{1,3*}

57	AHV1003	2255	1944	1909	956	4210	1627	143	1605	2605	Identities(%)		
ORF Description	ORF Description	ORF Description	ORF Description	ORF Description	ORF Description	ORF Description	ORF Description	ORF Description	ORF Description	ORF Description	ORF Description	<i>P. mirabilis</i> strain HI4320	ICEs of <i>V. cholerae</i>
79 strB	81 strB	81 strB	70 strB	70 strB	70 strB	70 strB	70 strB	70 strB	70 strB	70 strB	70 strB	—	100
						71 Permease	71 Permease	71 Permease					
						72 tetA	72 tetA	72 tetA					
						73 tetR	73 tetR	73 tetR					
						74 MerR	74 MerR	74 MerR					
						75 StrB	75 StrB	75 StrB					
80 tnpB	82 tnpB	82 tnpB	71 tnpB	71 tnpB	76 tnpB	76 tnpB	76 tnpB	76 tnpB	71 tnpB	71 tnpB	71 tnpB	—	100
81 tetR	83 tetR	83 tetR	72 s015	72 s015	77 s015	77 s015	77 s015	77 s015	72 s015	72 s015	72 s015		
82 tetA	84 tetA	84 tetA	73 folR	73 folR	78 folR	78 folR	78 folR	78 folR	73 folR	73 folR	73 folR		
			74 s013	74 s013	79 s013	79 s013	79 s013	79 s013	74 s013	74 s013	74 s013		
			75 transposase	75 transposase	80 transposase	80 transposase	80 transposase	80 transposase	75 transposase	75 transposase	75 transposase		
			76 dhfR	76 dhfR	81 dhfR	81 dhfR	81 dhfR	81 dhfR	76 dhfR	76 dhfR	76 dhfR		
			77 transposase	77 transposase									
			78 dhfR	78 dhfR									
83 tnpB	85 tnpB	85 tnpB	79 tnpB	79 tnpB	82 tnpB	82 tnpB	82 tnpB	82 tnpB	77 tnpB	77 tnpB	77 tnpB	—	100
84 tnpA	86 tnpA	86 tnpA	80 tnpA	80 tnpA	83 tnpA	83 tnpA	83 tnpA	83 tnpA	78 tnpA	78 tnpA	78 tnpA	—	99
	87 mphR				81 oxidoreductase	84 RTX	84 CheW						
	88 mrx				82 Sensory	85 tnpA	85 CheB						
	89 mphK				83 arcB		86 heatrepeat						
	90 hypothetical				84 tnpA		87 CheR						
	91 hypothetical						88 CheY						
	92 hypothetical						89 CheA						
	93 transposase						90 tnpA						
85 tnp	94 tnp	87 tnp	81 tnp	85 tnp	86 tnp	86 tnp	91 tnp	84 tnp	79 tnp	79 tnp	79 tnp	—	100
86 UmuC	95 UmuC	88 UmuC	82 UmuC	86 UmuC	87 UmuC	87 UmuC	92 UmuC	85 UmuC	80 UmuC	80 UmuC	80 UmuC	95	100
87 hypothetical	96 hypothetical	89 hypothetical	83 hypothetical	87 hypothetical	88 hypothetical	88 hypothetical	93 hypothetical	86 hypothetical	81 hypothetical	81 hypothetical	81 hypothetical	95	100
88 hypothetical	97 hypothetical	90 hypothetical	84 hypothetical	88 hypothetical	89 hypothetical	89 hypothetical	94 hypothetical	87 hypothetical	82 hypothetical	82 hypothetical	82 hypothetical	95	100
89 s003	98 s003	91 s003	85 s003	89 s003	90 s003	90 s003	95 s003	88 s003	83 s003	83 s003	83 s003	97	100
90 s002	99 s002	92 s002	86 s002	90 s002	91 s002	91 s002	96 s002	89 s002	84 s002	84 s002	84 s002	97	100
91 integrase	100 integrase	93 integrase	87 integrase	91 integrase	92 integrase	92 integrase	97 integrase	90 integrase	85 integrase	85 integrase	85 integrase	97	100
92 MutL	101 MutL	94 MutL	88 MutL	92 MutL	93 MutL	93 MutL	98 MutL	91 MutL	86 MutL	86 MutL	86 MutL	—	100
93 hypothetical	102 hypothetical	95 hypothetical	89 hypothetical	93 hypothetical	94 hypothetical	94 hypothetical	99 hypothetical	92 hypothetical	87 hypothetical	87 hypothetical	87 hypothetical	100	100