

Supplementary Table 2 Alignment analysis of genomic region franking *oacC* gene in serotype 6 strain CDC 796-83

ORFs ^a	No. amino acid encoded	Database search results	
		Protein or origin (species, accession no.)	Identity (%)
0262	52	integrase protein (<i>S. enterica</i> , WP_001853537)	92
0263	87	transposase (<i>S. flexneri</i> , WP_000774867.1)	99
0264	382	OacB (<i>S. flexneri</i> 2a str. 301, NP_706267)	72
0265	203	tail assembly chaperone gp38 (<i>E. coli</i> ATCC 8739, YP_001725714)	96
0266	260	phage tail collar domain protein (<i>E. coli</i> , WP_001494081)	99
		SfII_23, (SfII, AGQ45513)	94
0267	194	tail protein (SfV, NP_599052)	99
		tail protein (SfII, YP_008318500)	98
0268	352	tail protein (SfV, NP_599051)	98
		baseplate protein (SfIV, YP_008766882)	97
0269	141	tail protein (SfV, NP_599050)	99
		tail protein (SfII, YP_008318498)	98
0270	182	tail protein (SfV, NP_599049)	100
0271	359	putative phage tail protein (<i>E. coli</i> , YP_007379831)	99
0272	442	phage tail/DNA circulation protein (<i>E. coli</i> , WP_021528953)	99
0273	611	tail protein (SfV, NP_599046)	99
		phage tail tape measure protein (<i>E. coli</i> , WP_001583206)	99
0274	62	hypothetical protein (<i>E. coli</i> , WP_001303047)	98
0275	89	hypothetical protein SfVp13 (SfV, NP_599045)	99
0276	118	hypothetical protein SfVp12 (SfV, NP_599044)	98

0277	337	tail sheath protein (<i>E. coli</i> , WP_001472772)	99
0278	142	tail sheath protein (<i>E. coli</i> , WP_000155729)	100
0279	46	hypothetical protein (<i>E. coli</i> , WP_001542465)	98
		hypothetical protein SfVp10 (SfV, NP_599042)	98
0280		pseudo	
0281	136	head tail adaptor protein (SfII, YP_008318487)	95
0282	107	head-tail connector protein (SfII, YP_008318486)	94
0283	66	Putative phage protein SfII_007 (SfII, AFR52515)	97
0284	203	major head protein (SfIV, YP_008766869)	99
0285	91	transposase (<i>E. coli</i> , WP_001370105)	100
0286	295	IS629 ORF2 (<i>S. boydii</i> , YP_406278)	100
0287	227	diacetylchitobiose permease (<i>E. coli</i> , WP_000379769)	99
		PTS N'-diacetylchitobiose transporter subunit IIC (<i>E. coli</i> , WP_001338139)	99

^a. ORFs are showed as locus_tag numbers annotated in contig NZ_AERO01000013 of strain CDC796-83