## **ERRATUM**



## Erratum for Mangat et al., Characterization of VCC-1, a Novel Ambler Class A Carbapenemase from *Vibrio cholerae* Isolated from Imported Retail Shrimp Sold in Canada

Chand S. Mangat,<sup>a</sup> David Boyd,<sup>a</sup> Nicol Janecko,<sup>b</sup> Sarah-Lynn Martz,<sup>c</sup> Andrea Desruisseau,<sup>c</sup> Michael Carpenter,<sup>a</sup> Richard J. Reid-Smith,<sup>b</sup> Michael R. Mulvey<sup>a</sup>

National Microbiology Laboratory, Public Health Agency of Canada, Winnipeg, MB, Canada<sup>a</sup>; Centre for Food-Borne, Environmental, and Zoonotic Infectious Diseases, Guelph, ON, Canada<sup>b</sup>; National Microbiology Laboratory, Public Health Agency of Canada, Guelph, ON, Canada<sup>c</sup>

Volume 60, no. 3, p. 1819–1825, 2016. Page 1823, Figure 3: It was brought to our attention that the Ambler numbering in this figure was incorrect. Figure 3 and its legend should appear as shown below, with corrected Ambler coordinates. We sincerely thank Alain Philippon for his assistance in this matter.

			37	45	66 70	
					( I	
FRI-1	MFFFKKGASTFIFLLCLPLNSF	ASOVINSV	EEMRELETSFGG	GRIGVYTLNPKNGI	KEFAYRODERFPLCSSER	73
VCC-1	MKRIAMYVALSISTSTAF	ADEHN	KNMADTEAAFEG	RVGVYAINTGSG	XAYSYBANERFPLCSSFK	66
SME-1	MSNKVNFK-TASFLFSVCLALSAFNAH	ANKSDAAA	KUIKKTEEDEDG	RIGVEAIDTGSG	VTEGYBSDEBEPLCSSEK	- 77
KDC-2			EDEVKI EUDECC	COLOVINIDIODO:	TUCYPAFEDEDI CCCFK	2 7 3
RFC-2	MADDONIAI SECLI DEI DETRE		ONTANTENDECC	DIGVIANDIGSG		, 77
BIC-I	MARFSRLALSESLLLFELFEISE.	ALIWPQGDIAK	QAIVALEADEGG	- ++	* ***********	J / /
			••^ •^•^	••••	•••••	
	0.1	1.0.7	100	100 10	C 144	
	18	107	120	130 13	0 144	
FRI-1	FLAASVLKRTQEKSVSLDDMVEYSGR	VMEKHSPVSEK	YRKTGASVQTLA	AKAAIQYSDNGASI	NLLMERYIGGPEGLTAFMI	153
VCC-1	FLAAAVLKMDQDSPGVLLEKVNYHNR	TMEPHSPITEK	FQSQGMAVGELA	AATLQY SDN GAAI	NLLMEKYIKGPEGMTQFMI	1 146
SME-1	FLAAAVLERVQQKKLDINQKVKYESR	DLEYHSPITTK	YKGSGMTLGDMA	ASAALQYSDNGAT	NIIMERFLGGPEGMTKFMI	R 157
KPC-2	FLAAAVLARSQQQAGLLDTPIRYGKN	ALVPWSPISEK	YLTTGMTVAELS	SAAAVQYSDNAAAI	NLLL-KELGGPAGLTAFM	152
BIC-1	FLAGAVLSHSQQQEGLLEKRIDYKNR	VMEPHSPISAQ	HSSTGMTVAQLA	AAALQYSDNGAT	NLLLENVLGGPAGMTTFMI	157
	****** * .	••••	*		* • • • • • • • • * * • * • * * * • * * •	
	161 166 170 179			210	220 229	
					1	
FRI-1	STGDTDFRLDRWELELNTAIPGDERD	TSTPKAVAMSL	KNIAFGSVLDAK	NKSLLQEWLKGN'	TTGNARIRAAVPDKWVVGI	233
VCC-1	SIGDTKFRLDRWELDLNSAIPGDERD	TSTPKAVAESL	NKLISNTVLDNY	HOEIFKKWMIGN'	FTGDNRIRAAVPDGWVVGI	226
SME-1	SIGDNEFRLDRWELELNTAIPGDKRD	TSTPKAVANSL	NKLALGNVLNAK	VKATYONWI.KGN'	TTGDARTRASVPADWVVG	) 235
KPC-2	SIGDTTFRLDRWELELNSAIPGDARD	TSSPRAVTESL	OKLTLGSALAAF	OROOFVDWLKGN'	TTGNHRIRAAVPADWAVGI	) 232
BIC-1	TLGDTTFRLDRWELELNSATPGDDRD	TSTPHATARSL	OKTALGEALOTA	PROOLVDWLTGN'	TTGGARTRAGVPVEWVVG	) 237
D10 1	** ****************	** * * * **	*	* **	*** **** ** * ***	. 207
	•••••					
	234 244 250 26	0 264 2	76			
			, 0			
EDT_1				AVIAIVAUVCOV	2 204	
FRI-I VCC 1	KIGICGFIGIANDVAILWI-DANSFA	TLOTYTTTKPNQ	INDERVIENE	ARIAIRAVIGSI	294	
VUU-I	KIIGICGKIGIANDKAMIND KANDADI	ILSIIIKKGE		ARIAIENV		
SME-1	KTGSCGAIGTANDYAVIWP-KNRAPL	IVSIITRKSK	DDKHSDKTIAEA	ASKIAIQAI		
KPC-2	KTGFCGVYGTANDYAVVWP-TGRAPI	VLAVYTRAPNK	DUKHSEAVIAAA	arlaleglgVNG	2 Z 9 3	
BTC-1						
DICI	KTGTCGVYGTANDYAVIWP-KTSAPI	VLAIYTAKPNK	EDKHSDAVIAEV	TRAVLESF	E 294	

FIG 3 Amino acid sequence alignment of VCC-1 with the sequences of previously described class A carbapenemases. Signature motifs of  $\beta$ -lactamases are boxed. Coordinates for each protein are indicated at the end of each line. Numbering above the alignment refers to Ambler coordinates for class A  $\beta$ -lactamases. Starting at Ambler position 35, asterisks (\*) indicate completely conserved amino acids and periods (.) indicate positions with structurally related amino acids. GenBank accession numbers are listed in the legend to Fig. 2.

Citation Mangat CS, Boyd D, Janecko N, Martz S-L, Desruisseau A, Carpenter M, Reid-Smith RJ, Mulvey MR. 2016. Erratum for Mangat et al., Characterization of VCC-1, a novel Ambler class A carbapenemase from *Vibrio cholerae* isolated from imported retail shrimp sold in Canada. Antimicrob Agents Chemother 60:3263. doi:10.1128/AAC.00502-16.

Copyright © 2016, American Society for Microbiology. All Rights Reserved.