

ERRATUM

Open Access



Erratum to: Development of a Multiplex-PCR probe system for the proper identification of *Klebsiella variicola*

Ulises Garza-Ramos^{1*}, Jesús Silva-Sánchez¹, Esperanza Martínez-Romero², Perla Tinoco¹, Marisol Pina-Gonzales¹, Humberto Barrios¹, Jesús Martínez-Barnetche³, Rosa Elena Gómez-Barreto³ and Juan Tellez-Sosa³

Erratum

The original version of this article [1] unfortunately contained a mistake in Table 1. The primer sequence which corresponds to Kmtnc-R in the table 1 was provided incorrectly. The correct nucleotide sequence is:

Kmtnc-R:GCATGGCCCAGGTGTCAG

An updated version of Table 1 has been provided below.

Author details

¹Departamento de Diagnóstico Epidemiológico, Av. Universidad # 655, Col. Sta. Ma. Ahuacatitlán, C.P. 62100 Cuernavaca, Morelos, Mexico. ²Centro de Ciencias Genómicas (CCG), Universidad Nacional Autónoma de México (UNAM), Cuernavaca, Morelos, Mexico. ³Instituto Nacional de Salud Pública (INSP), Centro de Investigación Sobre Enfermedades Infecciosas (CISEI), Departamento de Inmunología, Cuernavaca, México.

Received: 19 February 2016 Accepted: 2 March 2016

Published online: 16 March 2016

References

1. Garza-Ramos et al. BMC Microbiology (2015) 15:64. doi:10.1186/s12866-015-0396-6.

* Correspondence: ulises.garza@insp.mx

¹Departamento de Diagnóstico Epidemiológico, Av. Universidad # 655, Col. Sta. Ma. Ahuacatitlán, C.P. 62100 Cuernavaca, Morelos, Mexico

Table 1 Amplification conditions, oligonucleotide combinations, sequence and amplification fragment of multiplex-PCR for *K. variicola* identification

Amplification conditions ^a	Name of combination primers	Shared unique genes, oligonucleotides and sequence (5'-3') of each bacterial specie				
		<i>K. pneumoniae</i>	Amplification fragment (bp)	<i>K. variicola</i>	Amplification fragment (bp)	<i>Klebsiella spp.</i>
1	M-PCR-1	phosphohydrolase		phosphoglycerate mutase		phosphopentane phosphatase (mtnC)
		KP888-F: AAGCAAGCCAGAACAGAAAG	888	KV770-F: TCCCGAGGTTCA CATTTC	449	KmtnC-F: CCGCCGACCTTATCACTAC
		KP888-R: ACTTCGGTTTATCCAGGTC		KV770-R: AGCGGGTGAAC GTCGATAC		KmtnC-R: GCATGGCCCAGGTGTTCAG
1	M-PCR-2	transferase (<i>yphG</i>)		N-acetyltransferase		phosphopentane phosphatase (mtnC)
		KP878-F: ACCGATAACCAGCCTGACTT	878	KV1615-F: ACACAACATT CAGGGGCT	499	KmtnC-F: CCGCCGACCTTATCACTAC
		KP878-R: CTTCCTCTGCCA CTGTTG		KV1615-R: GGGCGTGGCTT TTTTCATCG		KmtnC-R: GCATGGCCCAGGTGTTCAG
2	M-PCR-3	phosphohydrolase		thiopurine S-methyltransferase		phosphopentane phosphatase (mtnC)
		KP888-F: AAGCAAGCCAGA ACAGAAAG	888	KV1000-F: CTGGGATGTGG CAATGGTG	438	KmtnC-F: CCGCCGACCTTATCACTAC
		KP888-R: ACTTCGGTTTAT CCAGGTC		KV1000-R: AAACTGCGCCT GCTGTATC		KmtnC-R: GCATGGCCCAGGTGTTCAG

^aMultiplex-PCR conditions used under the oligonucleotides combinations. 1: 5pmol/reaction of *K. variicola* and *Klebsiella spp.*, 25pmol/reaction of *K. pneumoniae*; 2: 25 pmol/reaction of *K. pneumoniae*, 5 pmol/reaction of *K. variicola* and 1 pmol/reaction of *Klebsiella spp.*