



Correction to: Adaptation in toxic environments: comparative genomics of loci carrying antibiotic resistance genes derived from acid mine drainage waters

Florence Arsène-Ploetze^{1,2} · Olfa Chiboub¹ · Didier Lièvre^{1,3} · Julien Farasin¹ · Kelle C. Freel¹ · Stephanie Fouteau⁴ · Valérie Barbe⁴

Published online: 1 December 2017
© Springer-Verlag GmbH Germany, part of Springer Nature 2017

Correction to: Environ Sci Pollut Res

<https://doi.org/10.1007/s11356-017-0535-8>

The original version of this article unfortunately contains a mistake.

The correct format of Table 1 is shown in this paper.

The online version of the original article can be found at <https://doi.org/10.1007/s11356-017-0535-8>

✉ Florence Arsène-Ploetze
ploetze@unistra.fr

¹ Laboratoire Génétique Moléculaire, Génomique et Microbiologie, UMR7156, CNRS-Université de Strasbourg, Strasbourg, France

² Present address: Institut de Biologie Moléculaire des Plantes, CNRS, Université de Strasbourg, Strasbourg, France

³ Present address: Institut de Chimie de Strasbourg, UMR7177, CNRS-Université de Strasbourg, Strasbourg, France

⁴ Laboratoire de Biologie Moléculaire pour l'Etude des Génomes, (LBioMEG), CEA/DRF/IBFJ/Genoscope, Evry, France

Table 1 Antibiotic resistance of selected clones from the metagenomic library in DH10β and MIC after plasmid extraction and transformation in DH5α. Diameter (in mm, left) and MIC in mg/L (right) are given

Strain or clone number	DH10β	R191	R436	C348	K198	K30	DH5α	R191	R436	C348	K198	K30	
Isolated on medium containing :		Rif.		Carb	Kan		Transformed in DH5α						
Resistance tested:	Standards S>I>R ^a	R, S or I (Diameter of inhibition) ^a						MIC in mg/L ^b					
Cm ^c	23>I>19	S (35)	R (7 ^d)	R (7 ^d)	R (7 ^d)	R (7 ^d)	R (7 ^d)	<8	>35	>35	>35	>35	>35
Gen	18>I>16	S (25±3)	I (18±0)	R (15±0.5)	R (7 ^d)	R (9±2)	R (11±1)	12.5	25	12.5	25	25	25
Rif	19>I>14	S (27±0.5)	R (7 ^d)	R (7 ^d)	I (18±1)	I (19±2)	S (44±3)	6.25	12.5	12.5	6.25	12.5	25
Carb	13>-	S (22±0.8)	S (36±0.5)	S (32±4)	R (10±0.5)	S (26±1)	S (25±2)	12.5	12.5	12.5	12.5	12.5	12.5
Kan	17>I>15	S (22±1)	S (28±1)	I (16±0.5)	R (12±2)	R (13±0.5)	R (7 ^d)	12.5	25	25	25	25	25
Tet	19>I>17	S (33±1.5)	S (30±1)	S (29±1)	S (28±1.5)	S (33±2)	R (11±1)	3.75	3.75	3.75	3.75	3.75	3.75

Antibiotics used are: chloramphenicol (Cm), gentamycin (Gen), rifampicin (Rif), carbenicillin (Carb), kanamycin (Kan) and tetracycline (Tet)

^a R: Resistant; S Sensitive, I: Intermediate, values of the diameter (mm) according to the standards established by the Committee on Antimicrobial susceptibility of the French Society for Microbiology (CA-SFM). These data correspond to the mean values obtained on 3 replicates

^b Minimum inhibitory concentration (MIC) was measured after 72 h of growth

^c A chloramphenicol resistance gene was carried by the pCNS plasmid

^d No inhibition at all, diameter of the disk is 7 mm