

## Consolidating and Exploring Antibiotic Resistance Gene Data Resources - DTU Orbit (08/11/2017)

### Consolidating and Exploring Antibiotic Resistance Gene Data Resources

The unrestricted use of antibiotics has resulted in rapid acquisition of antibiotic resistance (AR) and spread of multidrug-resistant (MDR) bacterial pathogens. With the advent of next-generation sequencing technologies and their application in understanding MDR pathogen dynamics, it has become imperative to unify AR gene data resources for easy accessibility for researchers. However, due to the absence of a centralized platform for AR gene resources, availability, consistency, and accuracy of information vary considerably across different databases. In this article, we explore existing AR gene data resources in order to make them more visible to the clinical microbiology community, to identify their limitations, and to propose potential solutions.

#### General information

State: Published

Organisations: National Food Institute, Research Group for Genomic Epidemiology, University of Antwerp, European Bioinformatics Institute

Authors: Xavier, B. B. (Ekstern), Das, A. J. (Ekstern), Cochrane, G. (Ekstern), De Ganck, S. (Ekstern), Kumar-Singh, S. (Ekstern), Aarestrup, F. M. (Intern), Goossens, H. (Ekstern), Malhotra-Kumar, S. (Ekstern)

Number of pages: 9

Pages: 851-859

Publication date: 2016

Main Research Area: Technical/natural sciences

#### Publication information

Journal: Journal of Clinical Microbiology

Volume: 54

Issue number: 4

ISSN (Print): 0095-1137

Ratings:

BFI (2017): BFI-level 1

Web of Science (2017): Indexed Yes

BFI (2016): BFI-level 1

Scopus rating (2016): CiteScore 3.57 SJR 2.14 SNIP 1.417

Web of Science (2016): Indexed yes

BFI (2015): BFI-level 1

Scopus rating (2015): SJR 2.204 SNIP 1.448 CiteScore 3.56

Web of Science (2015): Indexed yes

BFI (2014): BFI-level 1

Scopus rating (2014): SJR 2.205 SNIP 1.538 CiteScore 3.84

Web of Science (2014): Indexed yes

BFI (2013): BFI-level 1

Scopus rating (2013): SJR 2.414 SNIP 1.646 CiteScore 4.18

ISI indexed (2013): ISI indexed yes

Web of Science (2013): Indexed yes

BFI (2012): BFI-level 1

Scopus rating (2012): SJR 2.114 SNIP 1.632 CiteScore 4.11

ISI indexed (2012): ISI indexed yes

Web of Science (2012): Indexed yes

BFI (2011): BFI-level 1

Scopus rating (2011): SJR 2.336 SNIP 1.698 CiteScore 4.27

ISI indexed (2011): ISI indexed yes

Web of Science (2011): Indexed yes

BFI (2010): BFI-level 1

Scopus rating (2010): SJR 2.303 SNIP 1.727

Web of Science (2010): Indexed yes

BFI (2009): BFI-level 1

Scopus rating (2009): SJR 2.173 SNIP 1.694

Web of Science (2009): Indexed yes

BFI (2008): BFI-level 1

Scopus rating (2008): SJR 2.239 SNIP 1.621

Web of Science (2008): Indexed yes

Scopus rating (2007): SJR 2.202 SNIP 1.689

Web of Science (2007): Indexed yes

Scopus rating (2006): SJR 2.187 SNIP 1.642

Web of Science (2006): Indexed yes

Scopus rating (2005): SJR 2.012 SNIP 1.655

Web of Science (2005): Indexed yes

Scopus rating (2004): SJR 1.678 SNIP 1.701

Web of Science (2004): Indexed yes

Scopus rating (2003): SJR 1.845 SNIP 1.855

Web of Science (2003): Indexed yes

Scopus rating (2002): SJR 1.947 SNIP 1.722

Web of Science (2002): Indexed yes

Scopus rating (2001): SJR 2.076 SNIP 1.808

Web of Science (2001): Indexed yes

Scopus rating (2000): SJR 1.945 SNIP 1.938

Web of Science (2000): Indexed yes

Scopus rating (1999): SJR 1.851 SNIP 2.036

Original language: English

DOIs:

10.1128/JCM.02717-15

Source: FindIt

Source-ID: 277380585

Publication: Research - peer-review › Journal article – Annual report year: 2016