

Supplementary Material for Toward unrestricted use of public genomic data

Rudolf I. Amann¹, Shakuntala Baichoo², Benjamin J. Blencowe³, Peer Bork⁴, Mark Borodovsky⁵, Cath Brooksbank⁶, Patrick S.G. Chain⁷, Rita R. Colwell⁸, Daniele G. Daffonchio^{9,10}, Antoine Danchin^{11,12}, Victor de Lorenzo¹³, Pieter C. Dorrestein^{14,15}, Robert D. Finn⁶, Claire M. Fraser¹⁶, Jack A. Gilbert¹⁷, Steven J. Hallam^{18,19}, Philip Hugenholtz²⁰, John P. A. Ioannidis^{21*}, Janet K. Jansson²², Jihyun F. Kim²³, Hans-Peter Klenk²⁴, Martin G. Klotz^{25,26}, Rob Knight²⁷, Konstantinos T. Konstantinidis²⁸, Nikos C. Kyrpides²⁹, Christopher E. Mason^{30,31,32}, Alice C. McHardy³³, Folker Meyer³⁴, Christos A. Ouzounis³⁵, Aristides A. N. Patrinos³⁶, Mircea Podar³⁷, Katherine S. Pollard³⁸, Jacques Ravel¹⁶, Alejandro Reyes Muñoz³⁹, Richard J. Roberts⁴⁰, Ramon Rosselló-Móra⁴¹, Susanna-Assunta Sansone⁴², Patrick D. Schloss⁴³, Lynn M. Schriml¹⁶, João C. Setubal⁴⁴, Rotem Sorek⁴⁵, Rick L. Stevens^{46,47}, James M. Tiedje^{48,49}, Adrian Turjanski⁵⁰, Gene W. Tyson²⁰, David W. Ussery⁵¹, George M. Weinstock⁵², Owen White¹⁶, William B. Whitman⁵³, Ioannis Xenarios⁵⁴

*Corresponding author. Email: jioannid@stanford.edu

Published 25 January 2019, *Science* **363**, 350 (2017)
DOI: 10.1126/science.aaw1280

This PDF file includes:

Author affiliations full list

¹Max Planck Institute for Marine Microbiology, Bremen, D-28359, Germany

²Department of Computer Science & Engineering, University of Mauritius, Réduit 80837, Mauritius

³Donnelly Centre and Department of Molecular Genetics, University of Toronto, 160 College Street, Toronto, ON M5S 3E1, Canada

⁴The European Molecular Biology Laboratory (EMBL), Structural and Computational Biology, Heidelberg, Germany

⁵Wallace H. Coulter Department of Biomedical Engineering, Georgia Tech, Atlanta, Georgia 30332, USA

⁶European Molecular Biology Laboratory - European Bioinformatics Institute (EMBL-EBI)

Wellcome Genome Campus, Hinxton, Cambridge, CB10 1SD, UK

⁷Bioscience Division, Los Alamos National Laboratory, Los Alamos, NM, USA

⁸CosmosID, Rockville, MD, USA

⁹King Abdullah University of Science and Technology (KAUST), Biological and Environmental Sciences and Engineering Division (BESE), Thuwal 23955-6900, Saudi Arabia

¹⁰University of Milan, Department of Food Environmental and Nutritional Sciences, Milan 20133, Italy

¹¹Integromics, Institute of Cardiometabolism and Nutrition, Hospital de la Pitie-Salpetriere, 47 Boulevard de l'Hospital, 75013 Paris, France.

- ¹²School of Biomedical Sciences, Li KaShing Faculty of Medicine, Hong Kong University, 21 Sassoon Road, Pokfulam, Hong Kong.
- ¹³Centro Nacional de Biotecnología-CSIC, Campus de Cantoblanco, 28049, Madrid, Spain
- ¹⁴Collaborative Mass Spectrometry Innovation Center, University of California San Diego, La Jolla, CA, USA
- ¹⁵Skaggs School of Pharmacy and Pharmaceutical Sciences, University of California San Diego, La Jolla, CA, USA
- ¹⁶Institute for Genome Sciences, University of Maryland School of Medicine, Baltimore, Maryland, USA
- ¹⁷The Microbiome Center, Surgery, University of Chicago, Chicago, IL, 60637, USA
- ¹⁸Department of Microbiology & Immunology, University of British Columbia, Vancouver, BC, V6T1Z1, Canada
- ¹⁹ECOSCOPE Training Program, University of British Columbia, Vancouver, British Columbia, V6T1Z3, Canada Australian Centre for Ecogenomics, School of Chemistry and Molecular Biosciences, The University of Queensland, Brisbane, Australia
- ²¹Departments of Medicine, Health Research and Policy, Biomedical Data Science, and Statistics, Stanford University and Meta-Research Innovation Center at Stanford (METRICS), Stanford, CA 94305, USA
- ²²Biological Sciences Division, Earth and Biological Sciences Directorate, Pacific Northwest National Laboratory, Richland, WA, USA
- ²³Department of Systems Biology and Division of Life Sciences, Yonsei University, 50 Yonsei-ro, Seodaemun-gu, Seoul 03722, Republic of Korea
- ²⁴School of Natural and Environmental Sciences, Faculty of Science, Agriculture and Engineering, Newcastle University, Newcastle upon Tyne, NE1 7RU, UK
- ²⁵School of Molecular Biosciences, College of Veterinary Medicine, Washington State University, Richland, WA, USA
- ²⁶State Key Laboratory of Marine Environmental Science, Institute of Marine Microbes & Ecospheres, College of Ocean & Earth Sciences, Xiamen University, Xiamen, China
- ²⁷Center for Microbiome Innovation, and Departments of Pediatrics, Bioengineering, and Computer Science & Engineering, UC San Diego, 9500 Gilman Drive, San Diego, CA 92023, USA
- ²⁸School of Civil and Environmental Engineering & School of Biological Sciences, Georgia Institute of Technology, 311 Ferst Dr. NW, Atlanta, GA, 30332, USA
- ²⁹Environmental Genomics and Systems Biology Division, Lawrence Berkeley National Laboratory, Berkeley, California 94720, USA
- ³⁰Department of Physiology and Biophysics, Weill Cornell Medicine, New York, NY, USA
- ³¹The HRH Prince Alwaleed Bin Talal Bin Abdulaziz Alsaud Institute for Computational Biomedicine, Weill Cornell Medicine, New York, NY, USA
- ³²The WorldQuant Initiative for Quantitative Prediction, Weill Cornell Medicine, New York, NY, USA
- ³³Department of Computational Biology of Infection Research, Helmholtz Centre for Infection Research, 38124 Braunschweig, Germany
- ³⁴Mathematics and Computer Science Division, Argonne National Laboratory, 9700 S Cass Avenue, Lemont, IL 60439, USA
- ³⁵Biological Computation & Process Laboratory, Chemical Process & Energy Resources Institute, Centre for Research & Technology Hellas, Thessalonica GR-57001, Greece
- ³⁶Novim, Kohn Hall, UC Santa Barbara, Santa Barbara, CA 93106
- ³⁷Biosciences Division, Oak Ridge National Laboratory, Oak Ridge, Tennessee, USA
- ³⁸Gladstone Institutes, University of California, and Chan-Zuckerberg Biohub, San Francisco, CA 94158, USA
- ³⁹Departamento de Ciencias Biológicas, Universidad de los Andes, Bogotá, Colombia
- ⁴⁰New England Biolabs, Ipswich, MA 01938, USA
- ⁴¹Marine Microbiology Group, IMEDEA (CSIC-UIB), 07190 Esporles, Spain
- ⁴²Oxford e-Research Centre, Department of Engineering Science, University of Oxford, 7 Keble Road, OX1 3QG, Oxford, UK
- ⁴³Department of Microbiology & Immunology, University of Michigan, Ann Arbor, MI, USA
- ⁴⁴Department of Biochemistry, Institute of Chemistry, University of São Paulo, Av. Prof. Lineu Prestes, 78 room 909, 05508-000, São Paulo, SP, Brazil
- ⁴⁵Department of Molecular Genetics, Weizmann Institute of Science, Rehovot 76100, Israel.
- ⁴⁶Computer Science Department and Computation Institute, University of Chicago, Chicago, Illinois, USA

⁴⁷Computing, Environment, and Life Sciences Directorate, Argonne National Laboratory, Argonne, Illinois, USA

⁴⁸Department of Plant, Soil and Microbial Sciences, Michigan State University, East Lansing, Michigan 48824, USA

⁴⁹Center for Microbial Ecology, East Lansing, Michigan 48824, USA

⁵⁰Departamento de Química Biológica, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Pabellón II, Buenos Aires, Argentina.

⁵¹Department of Biomedical Informatics University of Arkansas for Medical Sciences, Little Rock, Arkansas, USA

⁵²Jackson Laboratory for Genomic Medicine, Farmington, CT.

⁵³Department of Microbiology, University of Georgia, Athens 30602, USA

⁵⁴Center for Integrative Genomics, University of Lausanne Lausanne, Switzerland