

Correction

GENETICS

Correction for “Genome of *Rhodnius prolixus*, an insect vector of Chagas disease, reveals unique adaptations to hematophagy and parasite infection,” by Rafael D. Mesquita, Raquel J. Vionette-Amaral, Carl Lowenberger, Rolando Rivera-Pomar, Fernando A. Monteiro, Patrick Minx, John Spieth, A. Bernardo Carvalho, Francisco Panzera, Daniel Lawson, André Q. Torres, Jose M. C. Ribeiro, Marcos H. F. Sorgine, Robert M. Waterhouse, Michael J. Montague, Fernando Abad-Franch, Michele Alves-Bezerra, Laurence R. Amaral, Helena M. Araujo, Ricardo N. Araujo, L. Aravind, Georgia C. Atella, Patricia Azambuja, Mateus Berni, Paula R. Bittencourt-Cunha, Gloria R. C. Braz, Gustavo Calderón-Fernández, Claudia M. A. Carareto, Mikkel B. Christensen, Igor R. Costa, Samara G. Costa, Marilvia Dansa, Carlos R. O. Daumas-Filho, Iron F. De-Paula, Felipe A. Dias, George Dimopoulos, Scott J. Emrich, Natalia Esponda-Behrens, Patricia Fampa, Rita D. Fernandez-Medina, Rodrigo N. da Fonseca, Marcio Fontenele, Catrina Fronick, Lucinda A. Fulton, Ana Caroline Gandara, Eloi S. Garcia, Fernando A. Genta, Gloria I. Giraldo-Calderón, Bruno Gomes, Katia C. Gondim, Adriana Granzotto, Alessandra A. Guarneri, Roderic Guigó, Myriam Harry, Daniel S. T. Hughes, Willy Jablonka, Emmanuelle Jacquin-Joly, M. Patricia Juárez, Leonardo B. Koerich, José Manuel Latorre-Estivalis, Andrés Lavore, Gena G. Lawrence, Cristiano Lazoski, Claudio R. Lazzari, Raphael R. Lopes, Marcelo G. Lorenzo, Magda D. Lugon, David Majerowicz, Paula L. Marcet, Marco Mariotti, Hatisaburo

Masuda, Karine Megy, Ana C. A. Melo, Fanis Missirlis, Theo Mota, Fernando G. Noriega, Marcela Nouzova, Rodrigo D. Nunes, Raquel L. L. Oliveira, Gilbert Oliveira-Silveira, Sheila Ons, Lucia Pagola, Gabriela O. Paiva-Silva, Agustina Pascual, Marcio G. Pavan, Nicolás Pedrini, Alexandre A. Peixoto, Marcos H. Pereira, Andrew Pike, Carla Polycarpo, Francisco Prodocimi, Rodrigo Ribeiro-Rodrigues, Hugh M. Robertson, Ana Paula Salerno, Didier Salmon, Didac Santesmasses, Renata Schama, Eloy S. Seabra-Junior, Livia Silva-Cardoso, Mario A. C. Silva-Neto, Matheus Souza-Gomes, Marcos Sterkel, Mabel L. Taracena, Marta Tojo, Zhijian Jake Tu, Jose M. C. Tubio, Raul Ursic-Bedoya, Thiago M. Venancio, Ana Beatriz Walter-Nuno, Derek Wilson, Wesley C. Warren, Richard K. Wilson, Erwin Huebner, Ellen M. Dotson, and Pedro L. Oliveira, which appeared in issue 48, December 1, 2015, of *Proc Natl Acad Sci USA* (112:14936–14941; first published November 16, 2015; 10.1073/pnas.1506226112).

The authors note that Angela B. Lange should be added to the author list between Leonardo B. Koerich and José Manuel Latorre-Estivalis, and Ian Orchard should be added to the author list between Sheila Ons and Lucia Pagola. Angela B. Lange and Ian Orchard should be credited with supplying sequencing samples and conducting gene annotation and supplementary material writing. The corrected author line, affiliation line, and author contributions appear below. The online version has been corrected.

Rafael D. Mesquita^{a,b}, Raquel J. Vionette-Amaral^c, Carl Lowenberger^d, Rolando Rivera-Pomar^{e,f}, Fernando A. Monteiro^{b,g}, Patrick Minx^h, John Spieth^h, A. Bernardo Carvalhoⁱ, Francisco Panzera^j, Daniel Lawson^k, André Q. Torres^{a,g}, Jose M. C. Ribeiro^l, Marcos H. F. Sorgine^{b,c}, Robert M. Waterhouse^{m,n,o,p}, Michael J. Montague^h, Fernando Abad-Franch^q, Michele Alves-Bezerra^c, Laurence R. Amaral^f, Helena M. Araujo^{b,s}, Ricardo N. Araujo^{b,t}, L. Aravind^u, Georgia C. Atella^{b,c}, Patricia Azambuja^{b,g}, Mateus Berni^s, Paula R. Bittencourt-Cunha^c, Gloria R. C. Braz^{a,b}, Gustavo Calderón-Fernández^v, Claudia M. A. Carareto^w, Mikkel B. Christensen^k, Igor R. Costa^g, Samara G. Costa^g, Marilvia Dansa^x, Carlos R. O. Daumas-Filho^c, Iron F. De-Paula^c, Felipe A. Dias^{b,c}, George Dimopoulos^y, Scott J. Emrich^z, Natalia Esponda-Behrens^e, Patricia Fampa^{aa}, Rita D. Fernandez-Medina^{bb}, Rodrigo N. da Fonseca^{b,cc}, Marcio Fontenele^{b,s}, Catrina Fronick^h, Lucinda A. Fulton^h, Ana Caroline Gandara^{b,c}, Eloi S. Garcia^{b,g}, Fernando A. Genta^{b,g}, Gloria I. Giraldo-Calderón^{dd}, Bruno Gomes^{b,g}, Katia C. Gondim^{b,c}, Adriana Granzotto^{vv}, Alessandra A. Guarneri^{b,ee}, Roderic Guigó^{ff,gg}, Myriam Harry^{hh,ii}, Daniel S. T. Hughes^k, Willy Jablonka^c, Emmanuelle Jacquin-Joly^{jj}, M. Patricia Juárez^v, Leonardo B. Koerich^{b,i}, Angela B. Lange^{kk}, José Manuel Latorre-Estivalis^{b,ee}, Andrés Lavore^e, Gena G. Lawrence^{ll}, Cristiano Lazoski^{bi}, Claudio R. Lazzari^{mm}, Raphael R. Lopes^c, Marcelo G. Lorenzo^{b,ee}, Magda D. Lugon^x, David Majerowicz^{c,nn}, Paula L. Marcet^{ll}, Marco Mariotti^{ff,gg}, Hatisaburo Masuda^{b,c}, Karine Megy^k, Ana C. A. Melo^{a,b}, Fanis Missirlis^{oo}, Theo Mota^{pp}, Fernando G. Noriega^{qq}, Marcela Nouzova^{qq}, Rodrigo D. Nunes^{b,c}, Raquel L. L. Oliveira^{aa}, Gilbert Oliveira-Silveira^c, Sheila Ons^e, Ian Orchard^{kk}, Lucia Pagola^e, Gabriela O. Paiva-Silva^{b,c}, Agustina Pascual^e, Marcio G. Pavan^g, Nicolás Pedrini^v, Alexandre A. Peixoto^{b,g}, Marcos H. Pereira^{b,t}, Andrew Pike^y, Carla Polycarpo^{b,c}, Francisco Prodocimi^c, Rodrigo Ribeiro-Rodrigues^{rr}, Hugh M. Robertson^{ss}, Ana Paula Salerno^{tt}, Didier Salmon^c, Didac Santesmasses^{ff,gg}, Renata Schama^{b,g}, Eloy S. Seabra-Junior^{tt}, Livia Silva-Cardoso^c, Mario A. C. Silva-Neto^{b,c}, Matheus Souza-Gomes^f, Marcos Sterkel^c, Mabel L. Taracena^c, Marta Tojo^{uu}, Zhijian Jake Tu^{vv}, Jose M. C. Tubio^{www}, Raul Ursic-Bedoya^d, Thiago M. Venancio^{b,x}, Ana Beatriz Walter-Nuno^c, Derek Wilson^k, Wesley C. Warren^h, Richard K. Wilson^h, Erwin Huebner^{xx}, Ellen M. Dotson^{ll}, and Pedro L. Oliveira^{b,c}

^aDepartamento de Bioquímica, Instituto de Química, Universidade Federal do Rio de Janeiro, Rio de Janeiro 21941-909, Brazil; ^bInstituto Nacional de Ciência e Tecnologia em Entomologia Molecular, Rio de Janeiro 21941-591, Brazil; ^cPrograma de Biologia Molecular e Biotecnologia, Instituto de Bioquímica Médica Leopoldo de Meis, Universidade Federal do Rio de Janeiro, Rio de Janeiro 21941-591, Brazil; ^dBiological Sciences, Simon Fraser University, Burnaby, BC, Canada V5A 1S6; ^eCentro Regional de Estudios Genómicos, Universidad Nacional de La Plata, La Plata 1900, Argentina; ^fCentro de Bioinvestigaciones, Universidad Nacional del Noroeste de Buenos Aires, 2700 Pergamino, Argentina; ^gInstituto Oswaldo Cruz, Fundação Oswaldo Cruz, Rio de Janeiro 21040-900, Brazil; ^hMcDonnell Genome Institute, Washington University School of Medicine, St. Louis, MO 63108; ⁱDepartamento de Genética, Instituto de Biologia, Universidade Federal do Rio de Janeiro, Rio de Janeiro 21941-590, Brazil; ^jSección Genética Evolutiva, Facultad de Ciencias, Universidad de la República, Montevideo 11400, Uruguay; ^kEuropean Molecular Biology Laboratory, European Bioinformatics

Institute, Wellcome Trust Genome Campus, Hinxton, Cambridge CB10 1SD, United Kingdom; ¹Section of Vector Biology, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Rockville, MD 20852; ²Department of Genetic Medicine and Development, University of Geneva Medical School, Geneva 1211, Switzerland; ³Swiss Institute of Bioinformatics, Geneva 1211, Switzerland; ⁴Computer Science and Artificial Intelligence Laboratory, Massachusetts Institute of Technology, Cambridge, MA 02139; ⁵The Broad Institute of MIT and Harvard, Cambridge, MA 02142; ⁶Grupo de Pesquisa em Ecologia de Doenças Transmissíveis na Amazônia, Instituto Leônidas e Maria Deane, Fundação Oswaldo Cruz, Amazonas 69057-070, Brazil; ⁷Laboratório de Bioinformática e Análises Moleculares, Instituto de Genética e Bioquímica, Faculdade de Computação, Universidade Federal de Uberlândia, Minas Gerais 38700-002, Brazil; ⁸Instituto de Ciências Biomédicas, Universidade Federal do Rio de Janeiro, Rio de Janeiro 21941-591, Brazil; ⁹Departamento de Parasitologia, Instituto de Ciências Biológicas, Universidade Federal de Minas Gerais, Minas Gerais 31270-901, Brazil; ¹⁰National Library of Medicine, National Center for Biotechnology Information, National Institutes of Health, Rockville, MD 20894; ¹¹Instituto de Investigaciones Bioquímicas de La Plata, Facultad de Ciencias Médicas, Universidad Nacional de La Plata-CONICET, La Plata 1900, Argentina; ¹²Departamento de Biología, Universidade Estadual Paulista, São José do Rio Preto, São Paulo 15054-000, Brazil; ¹³Laboratório de Química e Função de Proteínas e Peptídeos, Centro de Biotecnologia e Biotecnologia, Universidade Estadual do Norte Fluminense Darcy Ribeiro, Rio de Janeiro 28013-602, Brazil; ¹⁴Department of Molecular Microbiology and Immunology, Bloomberg School of Public Health, The Johns Hopkins University, Baltimore, MD 21205-2179; ¹⁵Department of Computer Science and Engineering, University of Notre Dame, Notre Dame, IN 46556; ¹⁶Departamento de Biología Animal, Instituto de Ciências Biológicas e da Saúde, Universidade Federal Rural do Rio de Janeiro, Rio de Janeiro 23897-000, Brazil; ¹⁷Escola Nacional de Saúde Pública, Fundação Oswaldo Cruz, Rio de Janeiro 21040-360, Brazil; ¹⁸Núcleo de Pesquisas Ecológicas de Macaé, Universidade Federal do Rio de Janeiro, Rio de Janeiro 27910-970, Brazil; ¹⁹Department of Biological Sciences, University of Notre Dame, Notre Dame, IN 46556; ²⁰Centro de Pesquisas René Rachou, Fundação Oswaldo Cruz, Minas Gerais 30190-002, Brazil; ²¹Centre for Genomic Regulation, The Barcelona Institute of Science and Technology, Barcelona 08003, Catalonia, Spain; ²²Universitat Pompeu Fabra, Barcelona 08003, Catalonia, Spain; ²³Laboratoire d'Évolution, Génome et Spéciation, Centre National de la Recherche Scientifique UPR9034/UR 072, Institut de Recherche pour le Développement, 91198 Gif sur Yvette, France; ²⁴Université Paris-Sud, 91400 Orsay, France; ²⁵French National Institute For Agricultural Research, Institute of Ecology and Environmental Sciences of Paris, 78000 Versailles, France; ²⁶Department of Biology, University of Toronto, Mississauga, ON L5L 1C6; ²⁷Division of Parasitic Diseases and Malaria, Entomology Branch, Centers for Disease Control and Prevention, Atlanta, GA 30329; ²⁸Institut de Recherche sur la Biologie de l'Insecte, UMR7261, Centre National de la Recherche Scientifique, Université François Rabelais, 37200 Tours, France; ²⁹Departamento de Biotecnologia Farmacêutica, Faculdade de Farmácia, Universidade Federal do Rio de Janeiro, Rio de Janeiro 21941-902, Brazil; ³⁰Department of Physiology, Biophysics and Neuroscience, Centro de Investigación y de Estudios Avanzados del Instituto Politécnico Nacional, Zacatenco, Mexico City 03760, Mexico; ³¹Departamento de Fisiologia e Biofísica, Instituto de Ciências Biológicas, Universidade Federal de Minas Gerais, Minas Gerais 31270-901, Brazil; ³²Department of Biological Sciences, Florida International University, Miami, FL 11200; ³³Núcleo de Doenças Infecciosas, Universidade Federal do Espírito Santo, Espírito Santo 29043-900, Brazil; ³⁴Department of Entomology, University of Illinois at Urbana-Champaign, Urbana, IL 61801; ³⁵Instituto Federal de Educação Ciência e Tecnologia do Rio de Janeiro, Rio de Janeiro 20270-021, Brazil; ³⁶Department of Physiology, School of Medicine-Center for Research in Molecular Medicine and Chronic Diseases, Instituto de Investigaciones Sanitarias, University of Santiago de Compostela, 15782 Santiago de Compostela, Spain; ³⁷Department of Biochemistry, Virginia Polytechnic Institute, Blacksburg, VA 24061; ³⁸Department of Veterinary Medicine, University of Cambridge, Cambridge CB3 0ES, United Kingdom; and ³⁹Department of Biological Sciences, University of Manitoba, Winnipeg, MB, Canada R3T 2N2

Author contributions: E.M.D. and P.L.O. conducted project coordination; R.D.M., C. Lowenberger, R.R.-P., F.A.M., A.B.C., F. Panzera, E.H., E.M.D., and P.L.O. were on the Steering Committee; F.A.M., G.G.L., C. Lazoski, P.L.M., M.G.P., and E.M.D. conducted colony selection; A.B.L., G.G.L., P.L.M., I.O., and E.M.D. supplied sequencing samples; P.M., J.S., C.F., L.A.F., W.C.W., and R.K.W. conducted sequencing and genome assembly; R.J.V.-A., M.H.F.S., and D. Salmon conducted experimental analyses; R.D.M., D.L., A.Q.T., J.M.C.R., R.M.W., M.B.C., S.J.E., G.I.G.-C., D.S.T.H., K.M., E.S.S.-J., and D.W. conducted bioinformatics; all authors conducted gene annotation and supplementary material writing; R.D.M., R.J.V.-A., C. Lowenberger, R.R.-P., A.Q.T., J.M.C.R., M.H.F.S., R.M.W., M.J.M., and P.L.O. wrote the paper; and R.D.M., C. Lowenberger, R.R.-P., F.A.M., P.M., A.B.C., F. Panzera, M.H.F.S., R.M.W., M.J.M., E.M.D., and P.L.O. conducted paper revision.

www.pnas.org/cgi/doi/10.1073/pnas.1600205113