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Identification of Trypanosomatids by detecting Single Nucleotide Fingerprints using DNA analysis by Dynamic Chemistry with MALDI-ToF

María Angélica Luque-González^{1,2}, Mavys Tabraue-Chávez⁴, Bárbara López-Longarela⁴, Rosario María Sánchez-Martín^{1,2}, Matilde Ortiz-González^{1,3}, Miguel Soriano-Rodríguez^{1,3}, José Antonio García-Salcedo^{1,3}, Salvatore Pernagallo^{4,5*}, Juan José Díaz-Mochón^{1,2,5*}

¹Pfizer-Universidad de Granada-Junta de Andalucía Centre for Genomics and Oncological Research (GENYO), Parque Tecnológico de Ciencias de la Salud (PTS), Avenida de la Ilustración 114, 18016 Granada, Spain

²Dep. Medicinal and Organic Chemistry, School of Pharmacy, University of Granada, Campus Cartuja s/n, 18071 Granada, Spain

³Unidad de Enfermedades Infecciosas y Microbiología, Instituto de Investigación Biosanitaria ibs. GRANADA, Hospitales Universitarios de Granada / Universidad de Granada, Granada, Spain

⁴DestiNA Genomica S.L. Parque Tecnológico Ciencias de la Salud (PTS), Avenida de la Innovación 1, Edificio BIC, 18016 Armilla – Granada, Spain

⁵DestiNA Genomics Ltd. 7-11 Melville St, Edinburgh EH3 7PE, United Kingdom

salvatore@destinagenomics.com

juanjose.diaz@genyo.es

*Correspondence should be addressed.

Abstract

Protozoan parasites of the Trypanosomatidae family can cause devastating diseases in humans and animals, such as Human African Trypanosomiasis or sleeping sickness, Chagas disease and Leishmaniasis. Currently, there are molecular assays for detecting parasitic infections and their post-treatment monitoring based on nucleic acid amplification, but there are still certain limitations which limit the development of assays that can detect and discriminate between parasite infections with a single test. Here, we present the development of a novel molecular assay for the rapid identification of Trypanosomatids,

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