

Resource Summary Report

Generated by [dkNET](#) on Sep 7, 2026

Calculating number of Co-Migrated DNA Fragments across Pulsed Field gel electrophoresis (PFGE) profiles: Image analysis algorithm

DOI:10.17504/protocols.io.bthtnj6n

Type: Protocol

Proper Citation

Ibrahim El-khalil Adam 2021. Calculating number of Co-Migrated DNA Fragments across Pulsed Field gel electrophoresis (PFGE) profiles: Image analysis algorithm. protocols.io dx.doi.org/10.17504/protocols.io.bthtnj6n

Protocol Information

URL: <https://dx.doi.org/10.17504/protocols.io.bthtnj6n>

Authors: Ibrahim El-khalil Adam

Summary: The author describes a new image analysis algorithm that enables identification of how many DNA fragments co-migrate during PFGE. The method is named factor of co-migration based on exponential correlation between single-fragment bands and their pixel densities "FCM-ECSB".

Affiliations: department of zoology, faculty of Science, University of Khartoum

External URL:

https://www.researchgate.net/publication/348389960_Novel_Algorithms_for_PFGE_Bacterial_Typing_Migrated_DNA_Fragments_Linking_PFGE_to_WGS_Results_and_Computer_simulations_for_Evaluation

Version: 2

Publication Date: 2021

Proper Citation: Ibrahim El-khalil Adam 2021. Calculating number of Co-Migrated DNA Fragments across Pulsed Field gel electrophoresis (PFGE) profiles: Image analysis algorithm. protocols.io dx.doi.org/10.17504/protocols.io.bthtnj6n

Record Creation Time: 20210329T220532+0000

Record Last Update: 20210329T220959+0000

Data and Source Information

Source: