Resource Summary Report

Generated by dkNET on Apr 23, 2025

inGAP

RRID:SCR_005261
Type: Tool

Proper Citation

inGAP (RRID:SCR_005261)

Resource Information

URL: http://ingap.sourceforge.net/

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Description: Software mining pipeline guided by a Bayesian principle to detect single nucleotide polymorphisms, insertion and deletions by comparing high-throughput pyrosequencing reads with a reference genome of related organisms. This pipeline is extended to identify and visualize large-size structural variations, including insertions, deletions, inversions and translocations.

Abbreviations: inGAP

Synonyms: inGAP-sv, inGAP-sv: structural variation detection and visualization, integrative next-generation genome analysis pipeline

Resource Type: software resource

Keywords: structural variation, genome, next-generation sequence, genome analysis, alignment, single nucleotide polymorphism, insertion, deletion, indel, inversion, translocation, windows, linux, macos/x, bio.tools

Funding:

Resource Name: inGAP

Resource ID: SCR_005261

Alternate IDs: OMICS_00319, biotools:ingap

Alternate URLs: https://bio.tools/ingap

Record Creation Time: 20220129T080229+0000

Record Last Update: 20250420T014247+0000

Ratings and Alerts

No rating or validation information has been found for inGAP.

No alerts have been found for inGAP.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 28 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET.

Mediavilla I, et al. (2024) Composition, Optical Resonances, and Doping of InP/InGaP Nanowires for Tandem Solar Cells: a Micro-Raman Analysis. ACS nano, 18(14), 10113.

Petropavlovskaia M, et al. (2024) Characterization of MSCs expressing islet neogenesis associated protein (INGAP): INGAP secretion and cell survival in vitro and in vivo. Heliyon, 10(15), e35372.

Akin J, et al. (2024) InGaP ?(2) integrated photonics platform for broadband, ultra-efficient nonlinear conversion and entangled photon generation. Light, science & applications, 13(1), 290.

Ding SW, et al. (2024) High-Q cavity interface for color centers in thin film diamond. Nature communications, 15(1), 6358.

Leshchenko ED, et al. (2023) An Overview of Modeling Approaches for Compositional Control in III-V Ternary Nanowires. Nanomaterials (Basel, Switzerland), 13(10).

Li L, et al. (2022) Colocalized, bidirectional optogenetic modulations in freely behaving mice with a wireless dual-color optoelectronic probe. Nature communications, 13(1), 839.

Cheng Z, et al. (2021) Photon Recycling in Semiconductor Thin Films and Devices. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 8(20), e2004076.

Timò G, et al. (2021) Study of the Cross-Influence between III-V and IV Elements Deposited

in the Same MOVPE Growth Chamber. Materials (Basel, Switzerland), 14(5).

Fox NP, et al. (2020) Transformation of a temporal speech cue to a spatial neural code in human auditory cortex. eLife, 9.

Su WY, et al. (2020) Temperature-dependent charge-carrier transport between Si-?-doped layers and AlGaAs/InGaAs/AlGaAs quantum well with various space layer thicknesses measured by Hall-effect analysis. Scientific reports, 10(1), 12503.

Welser RE, et al. (2019) Design and Demonstration of High-Efficiency Quantum Well Solar Cells Employing Thin Strained Superlattices. Scientific reports, 9(1), 13955.

Varadhan P, et al. (2019) An efficient and stable photoelectrochemical system with 9% solar-to-hydrogen conversion efficiency via InGaP/GaAs double junction. Nature communications, 10(1), 5282.

Wu PC, et al. (2019) Dynamic beam steering with all-dielectric electro-optic III-V multiple-quantum-well metasurfaces. Nature communications, 10(1), 3654.

Fikouras AH, et al. (2018) Non-obstructive intracellular nanolasers. Nature communications, 9(1), 4817.

Xu J, et al. (2018) Effect of Alpha-Particle Irradiation on InGaP/GaAs/Ge Triple-Junction Solar Cells. Materials (Basel, Switzerland), 11(6).

Ciret C, et al. (2018) Physical origin of higher-order soliton fission in nanophotonic semiconductor waveguides. Scientific reports, 8(1), 17177.

Kim Y, et al. (2017) Ge nanopillar solar cells epitaxially grown by metalorganic chemical vapor deposition. Scientific reports, 7, 42693.

Geum DM, et al. (2016) Ultra-high-throughput Production of III-V/Si Wafer for Electronic and Photonic Applications. Scientific reports, 6, 20610.

Tex DM, et al. (2016) Internal luminescence efficiencies in InGaP/GaAs/Ge triple-junction solar cells evaluated from photoluminescence through optical coupling between subcells. Scientific reports, 6, 38297.

Fang X, et al. (2016) Genome-wide characterization of soybean P 1B -ATPases gene family provides functional implications in cadmium responses. BMC genomics, 17, 376.