Resource Summary Report

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SeqTrace

RRID:SCR_005580
Type: Tool

Proper Citation

SeqTrace (RRID:SCR_005580)

Resource Information

URL: http://code.google.com/p/seqtrace/

Proper Citation: SeqTrace (RRID:SCR_005580)

Description: A software application for viewing and processing DNA sequencing chromatograms (trace files) that makes it easy to quickly generate high-quality finished sequences from a large number of trace files. SeqTrace can automatically identify, align, and compute consensus sequences from matching forward and reverse traces, filter low-quality base calls, and perform end trimming of finished sequences. The finished DNA sequences can then be exported to common sequence file formats, such as FASTA. SeqTrace also includes a full-featured trace file viewer and editor. You can view your sequencing chromatograms at a variety of scales and zoom levels, simultaneously view matching forward and reverse traces, edit the called bases, and export individual DNA sequences as well as forward/reverse alignments. SeqTrace supports popular trace file formats, including ABIF, SCF, and ZTR.

Abbreviations: SeqTrace

Synonyms: Seqtrace - User-friendly software for viewing and processing DNA sequencing trace files

Resource Type: software resource, software application, data processing software

Defining Citation: PMID:22942788

Keywords: dna sequencing trace file, dna sequencing, trace file, trace, python, gtk, chromatogram, graphic, sequence analysis, bio.tools

Funding:

Availability: GNU General Public License, v3

Resource Name: SeqTrace

Resource ID: SCR_005580

Alternate IDs: OMICS_01021, biotools:seqtrace

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

Record Creation Time: 20220129T080231+0000

Record Last Update: 20250411T055012+0000

Ratings and Alerts

No rating or validation information has been found for SeqTrace.

No alerts have been found for SeqTrace.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 55 mentions in open access literature.

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

Rosa F, et al. (2024) Island hitchhikers: pathogen agents of Madeira and Azores ticks. Parasitology research, 123(7), 261.

Everly V, et al. (2024) Metabolite from supernatant of soil and plant-associated bacteria control biofilm of fish pathogens. BMC research notes, 17(1), 311.

Rodrigues BL, et al. (2024) Hidden diversity in anthropophilic sand flies of the Monticola Series (Diptera, Psychodidae). Scientific reports, 14(1), 27215.

Quansah E, et al. (2024) Low nucleotide diversity of the Plasmodium falciparum AP2-EXP2 gene among clinical samples from Ghana. Parasites & vectors, 17(1), 453.

Ramírez-Pool JA, et al. (2024) Bacillus Strains as Effective Biocontrol Agents Against Phytopathogenic Bacteria and Promoters of Plant Growth. Microbial ecology, 87(1), 76.

Andrade AS, et al. (2024) Association Between Single-Nucleotide Polymorphisms in Toll-like

Receptor 3 (tlr3), tlr7, tlr8 and tirap Genes with Severe Symptoms in Children Presenting COVID-19. Viruses, 17(1).

Neves RL, et al. (2023) Increased Risk of American Tegumentary Leishmaniasis in an Urban and Rural Area of Caratinga, Brazil between 2016 and 2021. The American journal of tropical medicine and hygiene, 109(4), 791.

Zarate-Sulca Y, et al. (2023) Single-nucleotide polymorphisms in ialB, gltA and rpoB genes of Bartonella bacilliformis isolated from patients in endemic Peruvian regions. PLoS neglected tropical diseases, 17(10), e0011615.

Vilkamaa P, et al. (2023) The Genus Spinopygina gen. nov. (Diptera, Sciaridae) from Western North America: Preliminary Molecular Phylogeny and Description of Seven New Species. Insects, 14(2).

Rodrigues BL, et al. (2023) Morphological and DNA-based description of Trichophoromyia peixotoi n. sp. (Diptera: Psychodidae), a new sand fly species from the Brazilian Amazon. Parasites & vectors, 16(1), 240.

Posada-López L, et al. (2023) Ecological interactions of sand flies, hosts, and Leishmania panamensis in an endemic area of cutaneous leishmaniasis in Colombia. PLoS neglected tropical diseases, 17(5), e0011316.

Okoi C, et al. (2022) Pulmonary non-tuberculous mycobacteria in colonisation and disease in The Gambia. Scientific reports, 12(1), 19523.

Mbuthia P, et al. (2021) Potentially zoonotic gastrointestinal nematodes co-infecting free ranging non-human primates in Kenyan urban centres. Veterinary medicine and science, 7(3), 1023.

Gameiro A, et al. (2021) HER2-Targeted Immunotherapy and Combined Protocols Showed Promising Antiproliferative Effects in Feline Mammary Carcinoma Cell-Based Models. Cancers, 13(9).

Heitmann S, et al. (2021) Culturable Seed Microbiota of Populus trichocarpa. Pathogens (Basel, Switzerland), 10(6).

Dorchin N, et al. (2021) Reclassification of Gall Midges (Diptera: Cecidomyiidae: Cecidomyiini) from Amaranthaceae, with Description of Ten New Species Based on an Integrative Taxonomic Study. Insects, 12(12).

Elfahmi , et al. (2021) Expression of Two Key Enzymes of Artemisinin Biosynthesis FPS and ADS genes in Saccharomyces cerevisiae. Advanced pharmaceutical bulletin, 11(1), 181.

Johnson J, et al. (2021) The Cheese Production Facility Microbiome Exhibits Temporal and Spatial Variability. Frontiers in microbiology, 12, 644828.

Mahler L, et al. (2021) Highly parallelized droplet cultivation and prioritization of antibiotic producers from natural microbial communities. eLife, 10.

Hervé V, et al. (2021) Functional Diversity of the Litter-Associated Fungi from an Oxalate-Carbonate Pathway Ecosystem in Madagascar. Microorganisms, 9(5).