

# Resource Summary Report

Generated by T1D on Sep 5, 2026

## DNAttraffic

RRID:SCR\_008886

Type: Tool

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### Proper Citation

DNAttraffic (RRID:SCR\_008886)

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### Resource Information

**URL:** <http://dnattraffic.ibb.waw.pl/>

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**Description:** DNAttraffic database is dedicated to be an unique comprehensive and richly annotated database of genome dynamics during the cell life. DNAttraffic contains extensive data on the nomenclature, ontology, structure and function of proteins related to control of the DNA integrity mechanisms such as chromatin remodeling, DNA repair and damage response pathways from eight model organisms commonly used in the DNA-related study: Homo sapiens, Mus musculus, Drosophila melanogaster, Caenorhabditis elegans, Saccharomyces cerevisiae, Schizosaccharomyces pombe, Escherichia coli and Arabidopsis thaliana. DNAttraffic contains comprehensive information on diseases related to the assembled human proteins. Database is richly annotated in the systemic information on the nomenclature, chemistry and structure of the DNA damage and drugs targeting nucleic acids and/or proteins involved in the maintenance of genome stability. One of the DNAttraffic database aim is to create the first platform of the combinatorial complexity of DNA metabolism pathway analysis. Database includes illustrations of pathway, damage, protein and drug. Since DNAttraffic is designed to cover a broad spectrum of scientific disciplines it has to be extensively linked to numerous external data sources. Database represents the result of the manual annotation work aimed at making the DNAttraffic database much more useful for a wide range of systems biology applications. DNAttraffic database is freely available and can be queried by the name of DNA network process, DNA damage, protein, disease, and drug.

**Abbreviations:** DNAttraffic

**Synonyms:** DNAttraffic database

**Resource Type:** data or information resource, database

**Defining Citation:** [PMID:22110027](#)

**Keywords:** dna, cell cycle, genome, nomenclature, ontology, structure, function, protein, chromatin remodeling, dna repair, damage response pathway, pathway, damage, drug, annotation, disease, dna network process, dna damage, gene sequence, bio.tools

**Funding:** Norwegian Financial Mechanism PNRF-143-AI-1/07;  
Polish Ministry of Science and Higher Education N N301 165835

**Availability:** Free

**Resource Name:** DNATraffic

**Resource ID:** SCR\_008886

**Alternate IDs:** biotools:dnatraffic, nlx\_151312

**Alternate URLs:** <https://bio.tools/dnatraffic>

**Record Creation Time:** 20220129T080249+0000

**Record Last Update:** 20260904T000250+0000

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## Ratings and Alerts

No rating or validation information has been found for DNATraffic.

No alerts have been found for DNATraffic.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.