

Resource Summary Report

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E. coli Genome project

RRID:SCR_008139

Type: Tool

Proper Citation

E. coli Genome project (RRID:SCR_008139)

Resource Information

URL: <http://www.genome.wisc.edu/>

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Description: The E. coli Genome Project has the goal of completely sequencing the E. coli and human genomes. They began isolation of an overlapping lambda clonebank of E. coli K-12 strain MG1655. Those clones served as the starting material in our initial efforts to sequence the whole genome. Improvements in sequencing technology have since reached the point where whole-genome sequencing of microbial genomes is routine, and the human genome has in fact been completed. They initiated additional sequencing efforts, concentrating on pathogenic members of the family Enterobacteriaceae -- to which E. coli belongs. They also began a systematic functional characterization of E. coli K-12 genes and their regulation, using the whole genome sequence to address how the over 4000 genes of this organism act together to enable its survival in a wide range of environments.

Synonyms: E.Coli genome project

Resource Type: database, data or information resource, topical portal, portal

Keywords: e. coli, enterobacteriaceae, gene, genome, human, journal article, knowledgebase, regulation, sequence, job

Funding: NIAID ;
NHGRI

Resource Name: E. coli Genome project

Resource ID: SCR_008139

Alternate IDs: nif-0000-20961

Record Creation Time: 20220129T080245+0000

Ratings and Alerts

No rating or validation information has been found for E. coli Genome project.

No alerts have been found for E. coli Genome project.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Yousuf FA, et al. (2016) The role of genomic islands in Escherichia coli K1 interactions with intestinal and kidney epithelial cells. Microbial pathogenesis, 93, 145.

Yousuf FA, et al. (2014) Interactions of neuropathogenic Escherichia coli K1 (RS218) and its derivatives lacking genomic islands with phagocytic Acanthamoeba castellanii and nonphagocytic brain endothelial cells. BioMed research international, 2014, 265424.

Bozzelli G, et al. (2014) The ABC-F protein EttA gates ribosome entry into the translation elongation cycle. Nature structural & molecular biology, 21(2), 143.

Tong X, et al. (2004) Genome-scale identification of conditionally essential genes in E. coli by DNA microarrays. Biochemical and biophysical research communications, 322(1), 347.

Serres MH, et al. (2001) A functional update of the Escherichia coli K-12 genome. Genome biology, 2(9), RESEARCH0035.