Resource Summary Report

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ARK-Genomics: Centre for Functional Genomics

RRID:SCR_002214
Type: Tool

Proper Citation

ARK-Genomics: Centre for Functional Genomics (RRID:SCR_002214)

Resource Information

URL: http://www.ark-genomics.org/

Proper Citation: ARK-Genomics: Centre for Functional Genomics (RRID:SCR_002214)

Description: Portal for studies of genome structure and genetic variation, gene expression and gene function. Provides services including DNA sequencing of model and non-model genomes using both Next Generation and Sanger sequencing , Gene expression analysis using both microarrays and Next Generation Sequencing, High throughput genotyping of SNP and copy number variants, Data collection and analysis supported in-house high performance computing facilities and expertise, Extensive EST clone collections for a number of animal species, all of commercially available microarray tools from Affymetrix, Illumina, Agilent and Nimblegen, Parentage testing using microsatellites and smaller SNP panels. ARK-Genomics has developed network of researchers whom they support through each stage of their genomics research, from grant application, experimental design and technology selection, performing wet laboratory protocols, through to analysis of data often in conjunction with commercial partners.

Abbreviations: ARK Genomics

Synonyms: ARK Genomics, Roslin Institute ARK-Genomics

Resource Type: access service resource, data or information resource, database, service resource, portal, core facility, organization portal

Keywords: gene expression, farm, function, gene, genetic, animal, dna, genome, genomic, genotype, knowledge base, model, structure, variation, job, comparative genome hybridization, parentage testing, microsatellite

Funding: BBSRC

Availability: Free, Freely available

Resource Name: ARK-Genomics: Centre for Functional Genomics

Resource ID: SCR_002214

Alternate IDs: nif-0000-20966, SciEx_157

Alternate URLs: https://genomics.ed.ac.uk/

Record Creation Time: 20220129T080212+0000

Record Last Update: 20250524T055850+0000

Ratings and Alerts

No rating or validation information has been found for ARK-Genomics: Centre for Functional Genomics.

No alerts have been found for ARK-Genomics: Centre for Functional Genomics.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Johnsson H, et al. (2024) Differences in transcriptional changes in psoriasis and psoriatic arthritis skin with immunoglobulin gene enrichment in psoriatic arthritis. Rheumatology (Oxford, England), 63(1), 218.

Nicholls S, et al. (2016) Genome-Wide Analysis in Swine Associates Corneal Graft Rejection with Donor-Recipient Mismatches in Three Novel Histocompatibility Regions and One Locus Homologous to the Mouse H-3 Locus. PloS one, 11(3), e0152155.

Weisheit S, et al. (2015) Ixodes scapularis and Ixodes ricinus tick cell lines respond to infection with tick-borne encephalitis virus: transcriptomic and proteomic analysis. Parasites & vectors, 8, 599.

Pance A, et al. (2014) SDF-1 chemokine signalling modulates the apoptotic responses to

iron deprivation of clathrin-depleted DT40 cells. PloS one, 9(8), e106278.

Bermingham ML, et al. (2014) Genome-wide association study identifies novel loci associated with resistance to bovine tuberculosis. Heredity, 112(5), 543.

Speakman CM, et al. (2014) Elevated O-GlcNAc levels activate epigenetically repressed genes and delay mouse ESC differentiation without affecting naïve to primed cell transition. Stem cells (Dayton, Ohio), 32(10), 2605.

Jensen K, et al. (2013) Escherichia coli- and Staphylococcus aureus-induced mastitis differentially modulate transcriptional responses in neighbouring uninfected bovine mammary gland quarters. BMC genomics, 14, 36.

Russell GC, et al. (2012) Host gene expression changes in cattle infected with Alcelaphine herpesvirus 1. Virus research, 169(1), 246.

Graham G, et al. (2009) HSP90B1, a thyroid hormone-responsive heat shock protein gene involved in photoperiodic signaling. Brain research bulletin, 79(3-4), 201.

Taggart JB, et al. (2008) A description of the origins, design and performance of the TRAITS-SGP Atlantic salmon Salmo salar L. cDNA microarray. Journal of fish biology, 72(9), 2071.

Burt DW, et al. (2004) The chicken genome and the developmental biologist. Mechanisms of development, 121(9), 1129.

Boardman PE, et al. (2002) A comprehensive collection of chicken cDNAs. Current biology : CB, 12(22), 1965.