SweGen: a whole-genome data resource of genetic variability in a cross-section of the Swedish population

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Creator/Principal investigator(s)

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Description

The SweGen contains whole-genome variant frequencies for 1000 Swedish individuals generated within the SweGen project. The data is intended to be used as a resource for the research community and clinical genetics laboratories.

DNA from blood samples were whole genome sequenced using Illumina X technology at SciLifeLab Uppsala and SciLifeLab Stockholm. The sequencing data was analyzed with the GATK best practices pipeline to obtain a joint called variant frequency dataset. For more information, see: https://www.nature.com/articles/ejhg2017130

Data contains personal data

No

Language

English

Population

1000 indviduals representing a cross section of the Swedish population

Study design

Observational study

Number of individuals/objects

1000

Data format / data structure

Numeric

Text

Interactive resource

Data collection 1

- Mode of collection: Registry extract and/or access to biobank sample
- Source of the data: Biological samples

Responsible department/unit

Department of Immunology, Genetics and Pathology

Research area

Medical and health sciences (Standard för svensk indelning av forskningsämnen 2011)

Keywords

Genetics, population

Publications

Ameur A, Dahlberg J, Olason P, Vezzi F, Karlsson R, Martin M, Viklund J, Kähäri AK, Lundin P, Che H, Thutkawkorapin J, Eisfeldt J, Lampa S, Dahlberg M, Hagberg J, Jareborg N, Liljedahl U, Jonasson I, Johansson Å, Feuk L, Lundeberg J, Syvänen AC, Lundin S, Nilsson D, Nystedt B, Magnusson PK, Gyllensten U. SweGen: a whole-genome data resource of genetic variability in a cross-section of the Swedish population. Eur J Hum Genet. 2017 Nov;25(11):1253-1260, doi:10.1038/ejhg.2017.130
DOI: https://doi.org/10.1038/ejhg.2017.130

Accessibility level

Access to data through an external actor
Access to data is restricted

Homepage

SweFreq — The Swedish Frequency resource for genomics

Download metadata

DataCite

DDI 2.5

DDI 3.3

DCAT-AP-SE 2.0

JSON-LD

PDF

Citation (CSL)