

Datasets

Database 1

THE HUMAN PROTEIN ATLAS

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TECHNICAL DATA DOWNLOADABLE DATA

cell", transcripts per million ("TPM") and protein-coding transcripts per million ("pTPM"). The data was obtained from Monaco publication and is based on The Human Protein Atlas version 20.1 and Ensembl version 92.38.

20 RNA Schmidt blood cell gene data
Transcript expression levels summarized per gene in 15 blood cell types. The tab-separated file includes Ensembl gene identifier ("Gene"), analysed sample ("Blood cell") and transcripts per million ("TPM"). The data was obtained from Schmidt publication and is based on The Human Protein Atlas version 20.1 and Ensembl version 92.38.

[rna_blood_cell_schmidt.tsv.zip](#)
TSV file (zip compressed), 1.5 MB

21 RNA HPA cell line gene data
Transcript expression levels summarized per gene in 60 cell lines. The tab-separated file includes Ensembl gene identifier ("Gene"), analysed sample ("Cell line"), transcripts per million ("TPM"), protein-coding transcripts per million ("pTPM") and normalized expression ("NK"). The data is based on The Human Protein Atlas version 20.1 and Ensembl version 92.38.

[rna_cellline.tsv.zip](#)
TSV file (zip compressed), 10.2 MB

[RNA sequencing data for human cell lines](#)

22 RNA TCGA cancer sample gene data
Transcript expression levels summarized per gene in 7832 samples from 17 different cancer types. The tab-separated file includes Ensembl gene identifier ("Gene"), analysed sample ("Sample"), cancer type ("Cancer") and fragments per kilobase analysis ("FPKM"). The data is based on The Human Protein Atlas version 20.1 and Ensembl version 92.38.

[rna_cancer_sample.tsv.zip](#)
TSV file (zip compressed), 1.1 GB

Database 2

HGNC

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Search symbols, keywords or IDs

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Curated by the HGNC

☐ HGNC ID ☒ Approved symbol ☐ Approved name ☐ Status

☐ Locus type ☐ Locus group ☐ Previous symbols ☐ Previous name

☐ Alias symbols ☐ Alias names ☐ Chromosome ☐ Date approved

☐ Date modified ☐ Date symbol changed ☐ Date name changed ☐ Accession numbers

☐ Enzyme IDs ☐ NCBI Gene ID ☒ Ensembl gene ID ☐ Mouse genome database ID

☐ Specialist database links ☐ Specialist database IDs ☐ PubMed IDs ☐ RefSeq IDs

☐ Gene group ID ☐ Gene group name ☐ CCDS IDs ☐ Vega IDs

☐ Locus specific databases

Select all

Database 3

OncoKB

Levels of Evidence Actionable Genes Cancer Types API Access About Team News Terms FAQ

Level 1 FDA approved drugs 43 Genes Level 2 Standard case 11 Genes Level 3 Clinical evidence 20 Genes Level 4 Biological evidence 22 Genes Level R1 Standard case 8 Genes Level R2 Clinical evidence 10 Genes

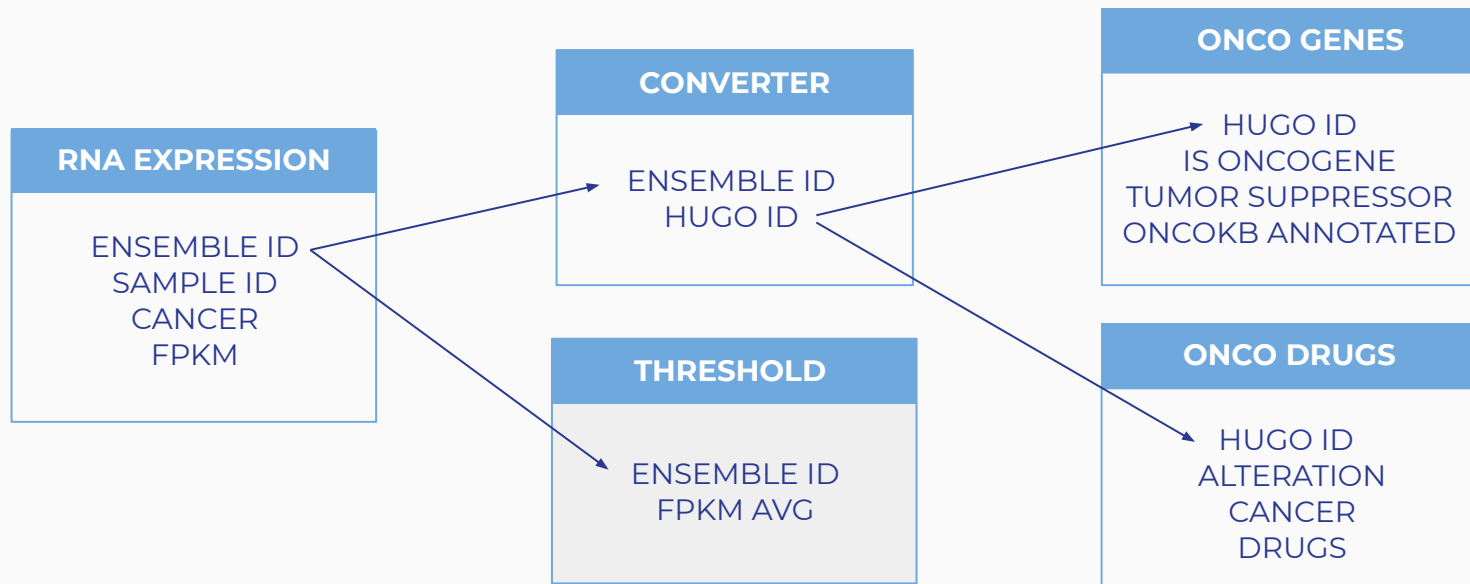
Diagnosis Levels for hereditary predisposition only
Progression Levels for hereditary predisposition only

43 actionable genes Selected a cancer type 60 drugs

Showing 134 clinical implications 143 genes, 27 cancer types, 1 level of evidence

Level	Gene	Alterations	Cancer Types	Drugs
1	ABL1	BCR-ABL1 Fusion	B-lymphoblastic Leukemia/Lymphoma	Dasatinib
1	ABL1	BCR-ABL1 Fusion	B-lymphoblastic Leukemia/Lymphoma	Imatinib
1	ABL1	BCR-ABL1 Fusion	B-lymphoblastic Leukemia/Lymphoma	Ponatinib
1	ABL1	BCR-ABL1 Fusion	Chronic Myelogenous Leukemia	Dasatinib
1	ABL1	BCR-ABL1 Fusion	Chronic Myelogenous Leukemia	Imatinib
1	ABL1	BCR-ABL1 Fusion	Chronic Myelogenous Leukemia	Nilotinib
1	ABL1	T3191	B-lymphoblastic Leukemia/Lymphoma	Ponatinib
1	ABL1	T3191	Chronic Myelogenous Leukemia	Ponatinib
1	ALK	Fusions	Anaplastic Large Cell Lymphoma ALK Positive	Crizotinib
1	ALK	Fusions	Non-Small Cell Lung Cancer	Alectinib
1	ALK	Fusions	Non-Small Cell Lung Cancer	Cartinib
1	ALK	Fusions	Non-Small Cell Lung Cancer	Ciclovir
1	ALK	Oncogenic Mutations	Non-Small Cell Lung Cancer	Brigatinib
1	ALK	Oncogenic Mutations	Non-Small Cell Lung Cancer	Lorlatinib

Gene Expression - Drug Relationship



Gene Expression - Drug Relationship

