

Gene Expression - Drug Relationship Datasets

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Human Protein Atlas

THE HUMAN PROTEIN ATLAS

SEARCH

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 Schmiadel 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 Schmiadel publication and is based on The Human Protein Atlas version 20.1 and Ensembl version 92.38.

21 RNA HPA cell line gene data

Transcript expression levels summarized per gene in 68 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.

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 million (FPKM). The data is based on The Human Protein Atlas version 20.1 and Ensembl version 92.38.

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☐ 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

OncoKB

OncoKB

Levels of Evidence: Level 1 (FDA approved drugs, 43 Genes), Level 2 (Standard case, 11 Genes), Level 3 (Clinical evidence, 20 Genes), Level 4 (Biological evidence, 20 Genes), Level R1 (Standard case, 8 Genes), Level R2 (Clinical evidence, 5 Genes)

Diagnoses Levels for hematologic malignancies only

Prognosis Levels for hematologic malignancies only

Select a cancer type: All drugs

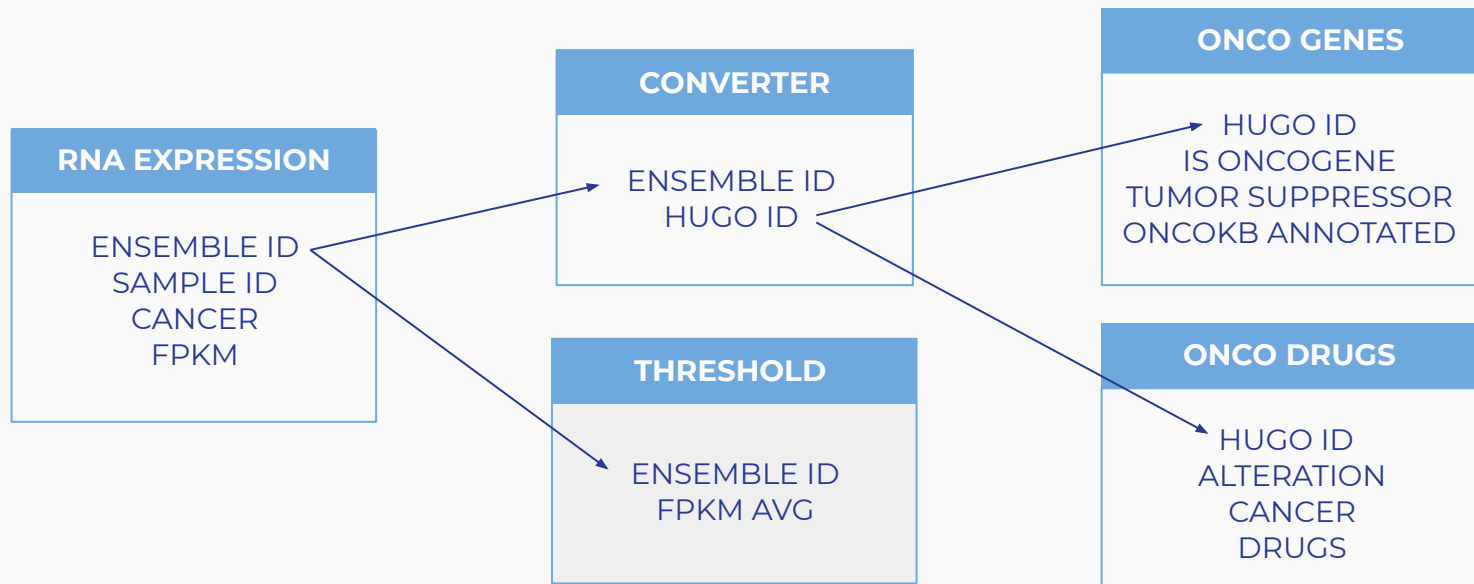
Showing 134 clinical implications (43 genes, 27 cancer types, 1 level of evidence)

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	BCR-ABL1 Fusion	Chronic Myelogenous Leukemia	Ponatinib
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	Crizotinib
1	ALK	Fusions	Non-Small Cell Lung Cancer	Entrectinib
1	ALK	Oncogenic Mutations	Non-Small Cell Lung Cancer	Brigatinib
1	ALK	Oncogenic Mutations	Non-Small Cell Lung Cancer	Lorlatinib

Gene Expression - Drug Relationship

Original Schema

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Gene Expression - Drug Relationship Optimization Schema

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