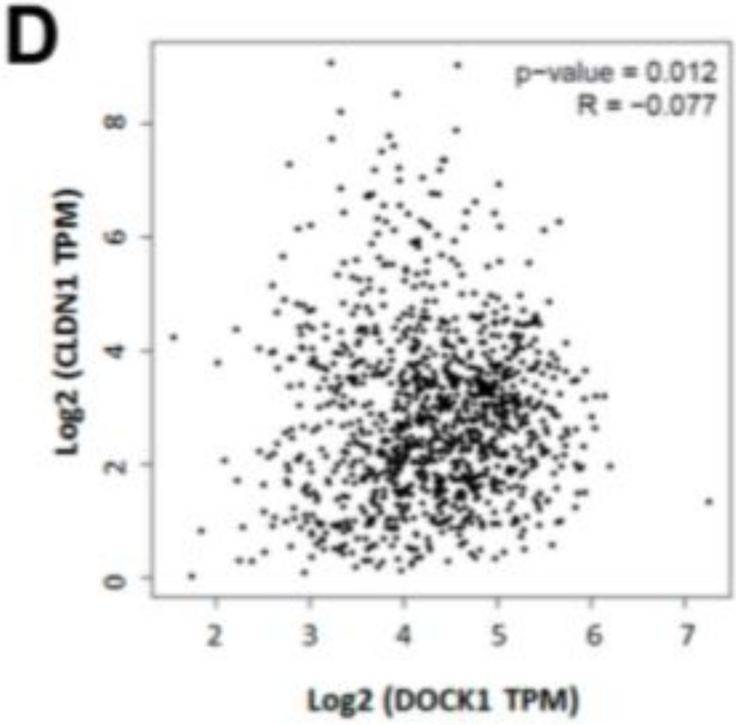
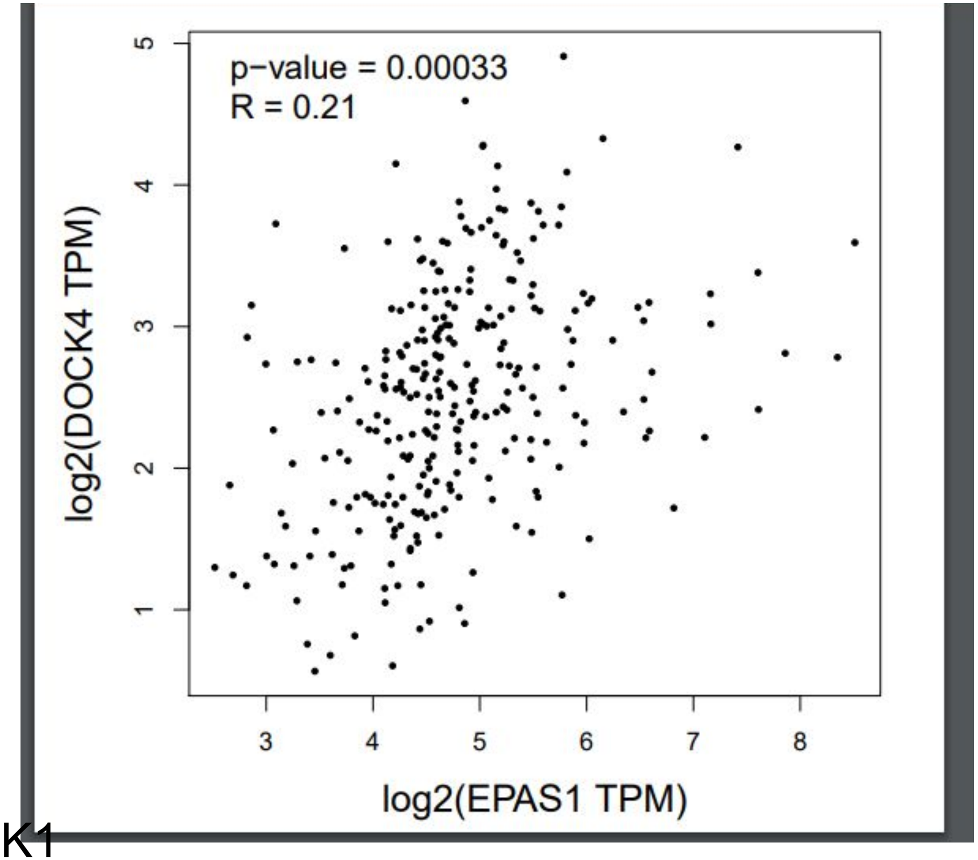
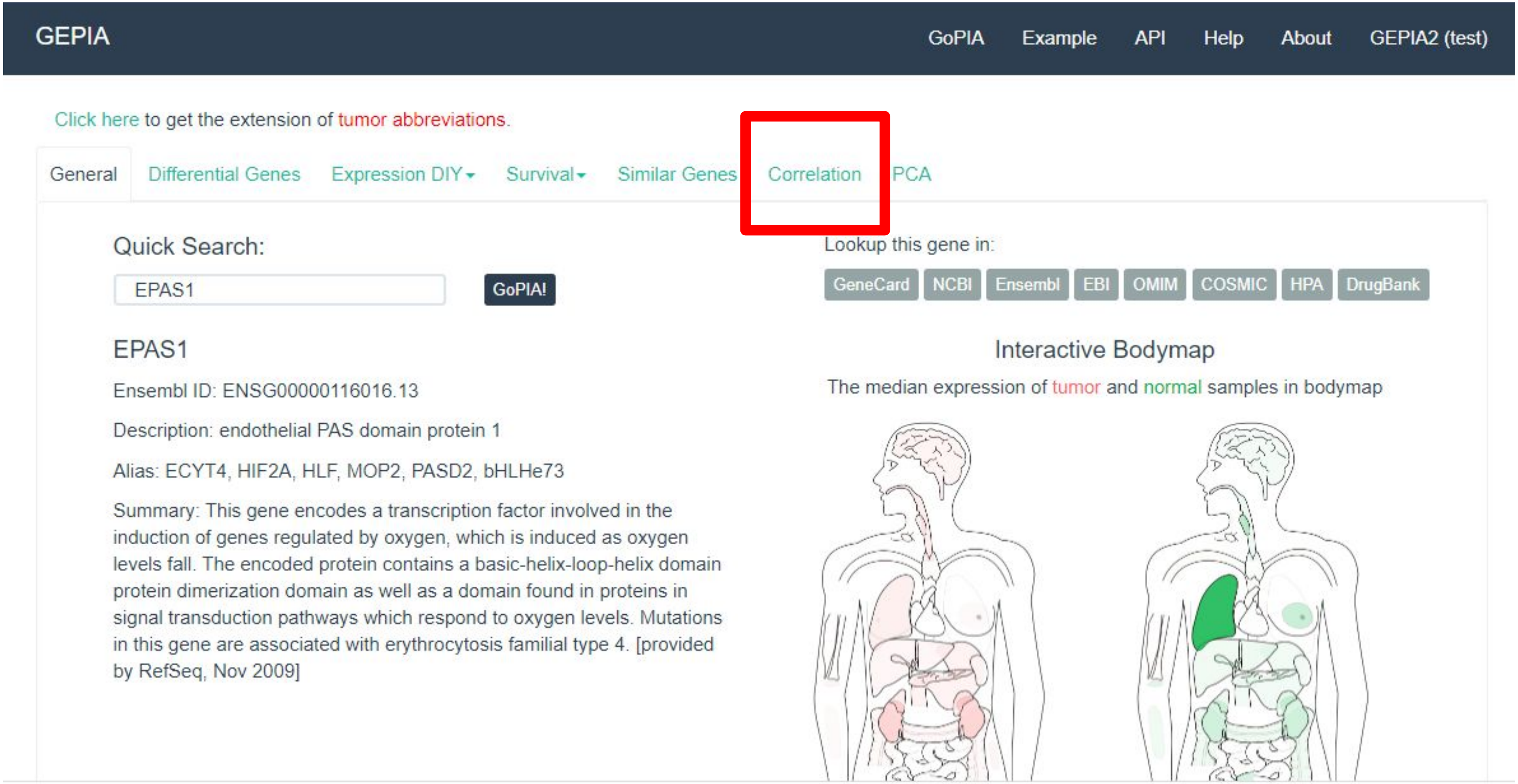


The correlation coefficient between DOCK1 and claudin-1 (encoded by the CLDN1 gene) expression in TNBC patients according to Gene Expression Profile Interactive Analysis (GEPIA) was−0.077, p = 0.012 (Figure 3D), which demonstrates a significant negative correlation.



KIRP



Click here to get the extension of tumor abbreviations.

Quick Search: EPAS1

Lookup this gene in:

EPAS1

Ensembl ID: ENSG00000116016.13

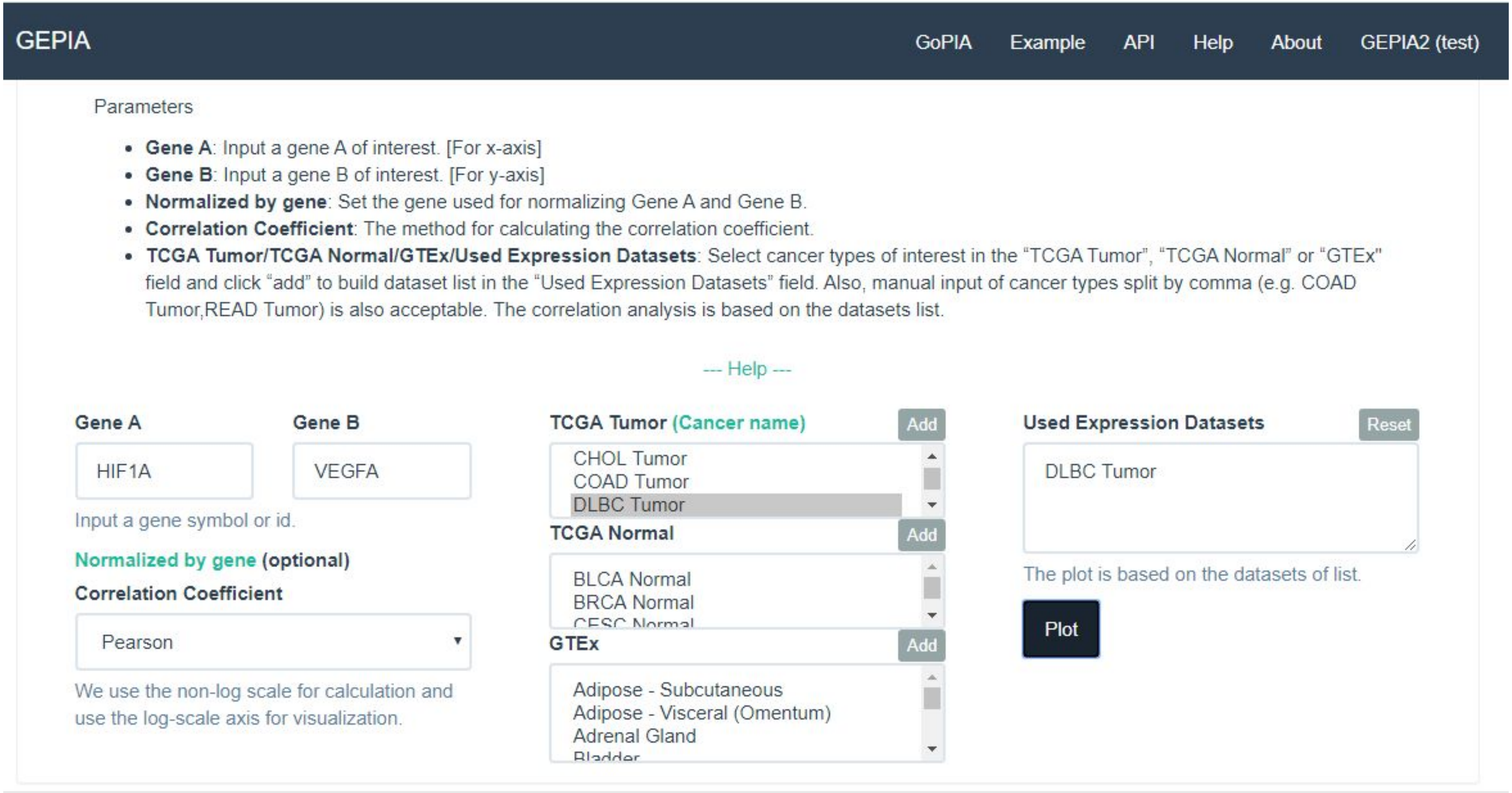
Description: endothelial PAS domain protein 1

Alias: ECYT4, HIF2A, HLF, MOP2, PASD2, bHLHe73

Summary: This gene encodes a transcription factor involved in the induction of genes regulated by oxygen, which is induced as oxygen levels fall. The encoded protein contains a basic-helix-loop-helix domain protein dimerization domain as well as a domain found in proteins in signal transduction pathways which respond to oxygen levels. Mutations in this gene are associated with erythrocytosis familial type 4. [provided by RefSeq, Nov 2009]

Interactive Bodymap

The median expression of tumor and normal samples in bodymap



Parameters

- **Gene A**: Input a gene A of interest. [For x-axis]
- **Gene B**: Input a gene B of interest. [For y-axis]
- **Normalized by gene**: Set the gene used for normalizing Gene A and Gene B.
- **Correlation Coefficient**: The method for calculating the correlation coefficient.
- **TCGA Tumor/TCGA Normal/GTEx/Used Expression Datasets**: Select cancer types of interest in the “TCGA Tumor”, “TCGA Normal” or “GTEx” field and click “add” to build dataset list in the “Used Expression Datasets” field. Also, manual input of cancer types split by comma (e.g. COAD Tumor,READ Tumor) is also acceptable. The correlation analysis is based on the datasets list.

--- Help ---

Gene A: HIF1A

Gene B: VEGFA

Input a gene symbol or id.

Normalized by gene (optional)

Correlation Coefficient: Pearson

We use the non-log scale for calculation and use the log-scale axis for visualization.

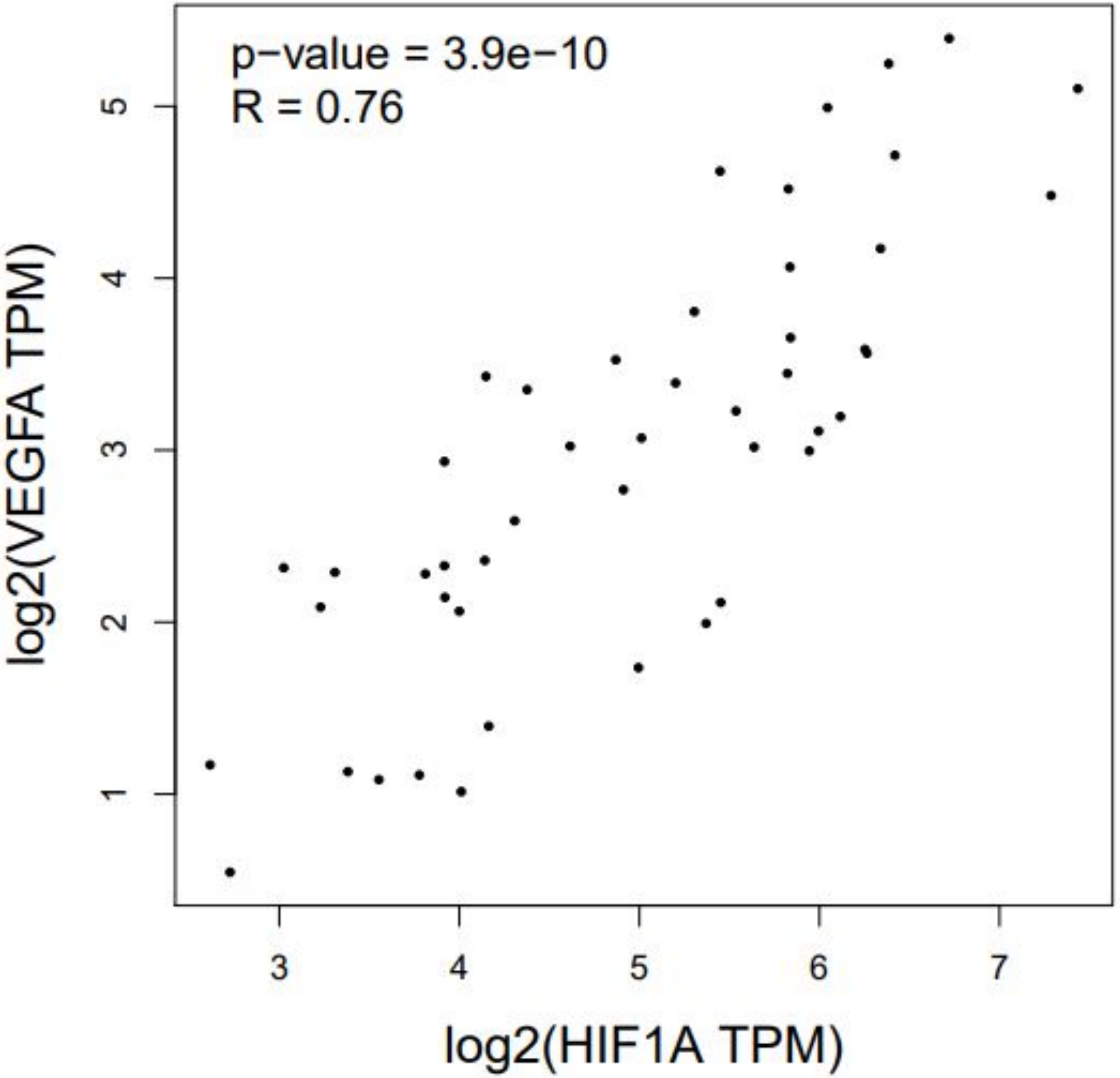
TCGA Tumor (Cancer name)
CHOL Tumor
COAD Tumor
DLBC Tumor

TCGA Normal
BLCA Normal
BRCA Normal
CESC Normal

GTEx
Adipose - Subcutaneous
Adipose - Visceral (Omentum)
Adrenal Gland
Bladder

Used Expression Datasets: DLBC Tumor

The plot is based on the datasets of list.


p−value = 3.9e−10
R = 0.76
log2(VEGFA TPM)
1
2
3
4
5
log2(HIF1A TPM)
3
4
5
6
7