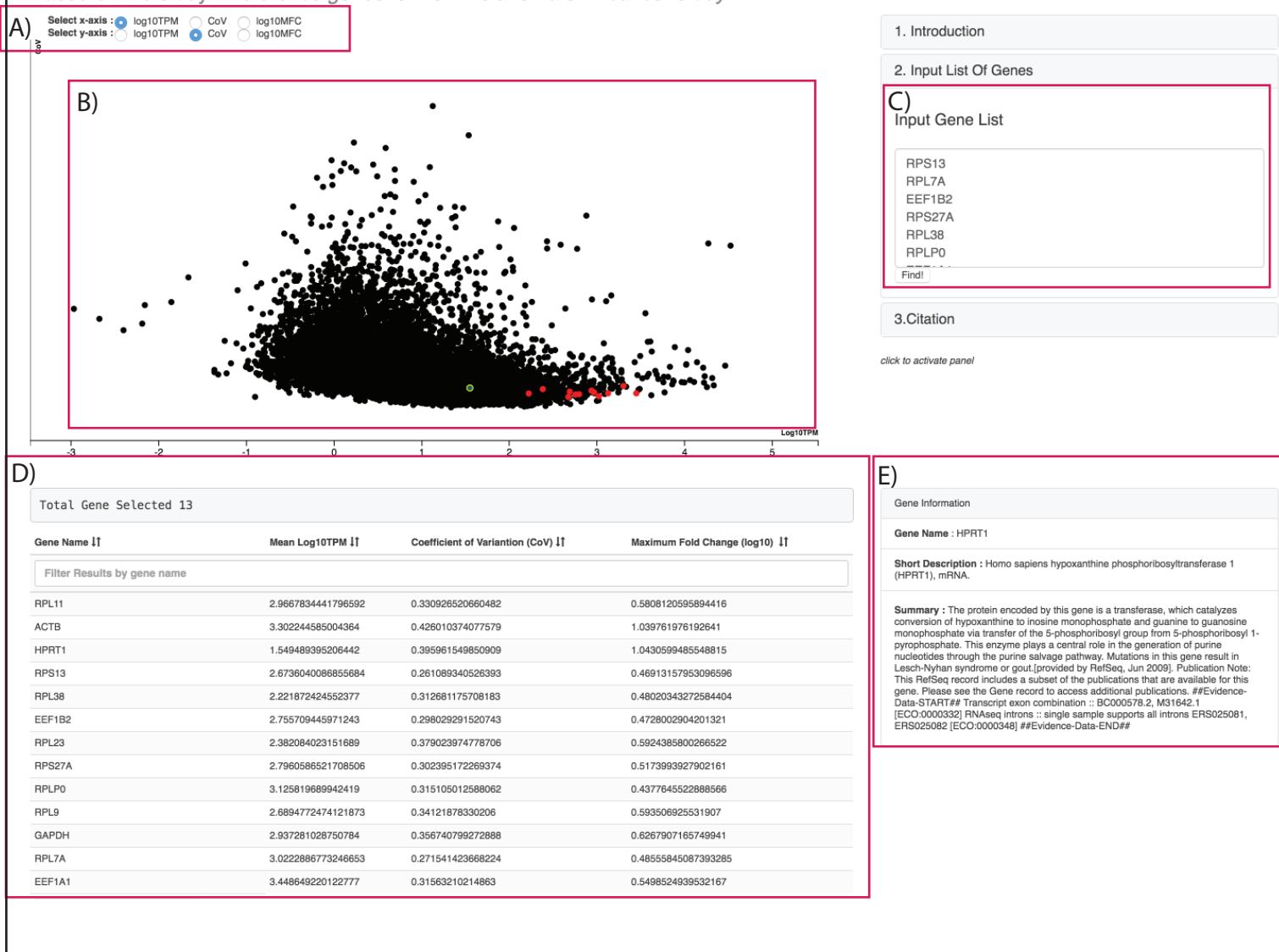Supplmentary Figure 1

Skin Reference Genes

Based on the study : *Reference genes for non-melanoma skin cancer study*

A) Select x-axis : ○ log10TPM ○ CoV ○ log10MFC
Select y-axis : ○ log10TPM ● CoV ○ log10MFC

B)

Log10TPM

-3   -2   -1   0   1   2   3   4   5

1. Introduction

2. Input List Of Genes

C)
Input Gene List

RPS13
RPL7A
EEF1B2
RPS27A
RPL38
RPLP0

Find!

3.Citation

click to activate panel

D)

Total Gene Selected 13

Gene Name ↓↑	Mean Log10TPM ↓↑	Coefficient of Variation (CoV) ↓↑	Maximum Fold Change (log10) ↓↑
Filter Results by gene name			
RPL11	2.9667834441796592	0.330926520660482	0.5808120595894416
ACTB	3.302244585004364	0.426010374077579	1.039761976192641
HPRT1	1.549489395206442	0.395961549850909	1.0430599485548815
RPS13	2.6736040086855684	0.261089340526393	0.46913157953096596
RPL38	2.221872424552377	0.312681175708183	0.48020343272584404
EEF1B2	2.755709445971243	0.298029291520743	0.4728002904201321
RPL23	2.382084023151689	0.379023974778706	0.5924385800266522
RPS27A	2.7960586521708506	0.302395172269374	0.5173993927902161
RPLP0	3.125819689942419	0.315105012588062	0.4377645522888566
RPL9	2.6894772474121873	0.34121878330206	0.593506925531907
GAPDH	2.937281028750784	0.356740799272888	0.6267907165749941
RPL7A	3.0222886773246653	0.271541423668224	0.48555845087393285
EEF1A1	3.448649220122777	0.31563210214863	0.5498524939532167

E)

Gene Information

Gene Name : HPRT1

Short Description : Homo sapiens hypoxanthine phosphoribosyltransferase 1 (HPRT1), mRNA.

Summary : The protein encoded by this gene is a transferase, which catalyzes conversion of hypoxanthine to inosine monophosphate and guanine to guanosine monophosphate via transfer of the 5-phosphoribosyl group from 5-phosphoribosyl 1-pyrophosphate. This enzyme plays a central role in the generation of purine nucleotides through the purine salvage pathway. Mutations in this gene result in Lesch-Nyhan syndrome or gout.[provided by RefSeq, Jun 2009]. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Gene record to access additional publications. ##Evidence-Data-START## Transcript exon combination :: BC000578.2, M31642.1 [ECO:0000332] RNAseq introns :: single sample supports all introns ERS025081, ERS025082 [ECO:0000348] ##Evidence-Data-END##

Supplementary Figure 1 - Screenshot of the online resource of reference genes for non-melanoma skin cancers. **A)** Radio buttons for users to toggle value type to be plotted on the x and y-axis. Users can choose between plotting log10 Maximum Fold Change (log10MFC), log10 Transcript Per Million (log10TPM) and Coefficient of Variation (CoV) **B)** Scatterplot showing data points derived from each measured transcript. Only genes with TPM > 0 for all samples are shown. Red dots represents genes selected either by user selection of points on the chart or are present in the user input (C). Green dots represent the gene with information displayed in (E) and is selected by clicking on the row in (D). **C)** Input box for users to search for genes in the datasets. **D)** Table showing metrics of selected genes (coloured dots) in scatterplot **E)** Gene information of specific gene in the scatterplot (Green dots).