

Supplementary File S22: Expression Data from Human Protein Atlas

(HPA) (normalized transcript per million (nTPM))

ALOX15B (Arachidonate 15-lipoxygenase type B)

Protein class: Enzymes ,Metabolic proteins

Predicted location: Intracellular

Cell line expression cluster: Keratinocytes - Epithelial cell function (mainly)

Cell line specificity: Group enriched (Breast cancer, Head and neck cancer)

Protein evidence: Evidence at protein level

High expression in : NCI-H2347 [H2347], NCI-H2110 [H2110], CAL-12T [ACC 443], DV-90[ACC 307], NCI-H596 [H596]

CYP24A1(Cytochrome P450 family 24 subfamily A member 1)

Protein class:Disease related genes, Enzymes, Human disease related genes, Metabolic proteins, Potential drug targets

Predicted location:Intracellular

Cell line expression cluster: Non-specific - Enzymes (mainly)

Cell line specificity: Low cancer specificity Group enriched (Breast cancer, Head and neck cancer)

Protein evidence: Evidence at protein level

High expression in : EKVX (CVCL_1195), NCI-H1573 [H1573], NCI-H1355 [H1355], HCC515 (CVCL_5136), CAL-12T [ACC 443]

PPP2R2C (Protein phosphatase 2 regulatory subunit Bgamma)

Protein class:

Predicted location: Intracellular

Cell line expression cluster: Liver - Metabolism (mainly)

Cell line specificity: Low cancer specificity

Protein evidence: Evidence at protein level

High expression in: ACC-MESO-1 (CVCL_5113), NCI-H322, NCI-H1573 [H1573], NCI-H2122 [H2122], LCLC-103H (RRID:CVCL_1375)

PTGIS (Prostaglandin I2 synthase)

Protein class: Disease related genes, Enzymes, FDA approved drug targets, Metabolic proteins, Plasma proteins

Predicted location: Membrane

Cell line expression cluster: Connective tissue cells - ECM organization (mainly)

Cell line specificity: Cancer enhanced (Kidney cancer)

Protein evidence: Evidence at protein level

High expression in: IST-Mes2 (RRID:CVCL_1312), JL-1 (RRID:CVCL_2080), NCI-H226 [H226], NCI-H1792 [H1792], NCI-H2452 [H2452]

UGT2B17 (UDP glucuronosyltransferase family 2 member B17)

Protein class: Enzymes, Human disease related genes, Metabolic proteins,

Predicted location: Membrane

Cell line expression cluster: L-1236 & L-428 - Unknown function (mainly)

Cell line specificity: Cancer enhanced (Lymphoma, Myeloma, Prostate cancer)

Protein evidence: Evidence at protein level

High expression in: DMS 454 (RRID:CVCL_2438), NCI-H3255

(RRID:CVCL_6831), HCC95 (RRID:CVCL_5137), NCI-H1437 [H1437], NCI-H1650 [H-1650, H1650]

SPTSSB (Serine palmitoyltransferase small subunit B)

Protein class:

Predicted location: Intracellular,Membrane

Cell line expression cluster: Breast cancer - Unknown function (mainly)

Cell line specificity: Cancer enhanced (Breast cancer, Gallbladder cancer)

Protein evidence: Evidence at protein level

High expression in: HCC4006 (RRID:CVCL_1269), NCI-H1437 [H1437],

HCC1195 (RRID:CVCL_5127), RERF-LC-KJ (RRID:CVCL_1654), NCI-H727 [H727]

