Figure S2

A) Heatmap showing gene expression levels in MOLT-4 cells.

B) Volcano plot displaying log2 fold change against -log10(p-value) for downregulated (FC<0.5; n=2,759) and upregulated (FC>1; n=3,271) genes.

C) Downregulated gene families (GO) after Proscillaridin A treatment:
- GO:0006520 Cellular amino acid & metabolic process
- GO:0005975 Carbohydrate metabolic process
- GO:1091657 Glycoside compound metabolic process
- GO:0006399 tRNA metabolic process
- GO:006575 Cellular modified amino acid metabolism
- GO:0032259 Methylation
- GO:0055086 Nucleobase-containing small molecule
- GO:0006312 Mitotic recombination
- hsa00230 Purine metabolism
- hsa03410 Base excision repair
- R-HSA-113510 E2F mediated regulation of DNA replication
- GO:0006271 DNA strand elongation involved in DNA replication

D) Percentage of cells in different phases after Pros A 5 nM treatment for 48h:
- SubG1
- G1/G0
- S
- G2/M

E) Upregulated gene families (GO) after Proscillaridin A treatment:
- GO:0061061 Muscle structure development
- GO:0048514 Blood vessel morphogenesis
- GO:0043062 Extracellular structure organization
- GO:0032101 Regulation of response to external stimulus
- GO:0042330 Taxis
- GO:0070848 Response to growth factor
- GO:0035295 Axon guidance
- GO:0050673 Tube development
- GO:0010243 Epithelial cell proliferation
- GO:0045596 Response to organonitrogen compound
- GO:0040060 Negative regulation of cell differentiation
- GO:0035515 Cytokine-cytokine receptor interaction
- R-HSA-422475 Ossification
- GO:0001503 Connective tissue development
- GO:0011448 Muscle cell differentiation
- GO:0042692 Transmembrane receptor protein tyrosine kinase signaling pathway
- GO:0007169 Regulation of kinase activity
- GO:0043549 Cysteine-type peptidase inhibitor activity
- GO:0099536 Regulation of cell development
- GO:0060284 Hematopoietic or lymphoid organ development
- GO:0048534