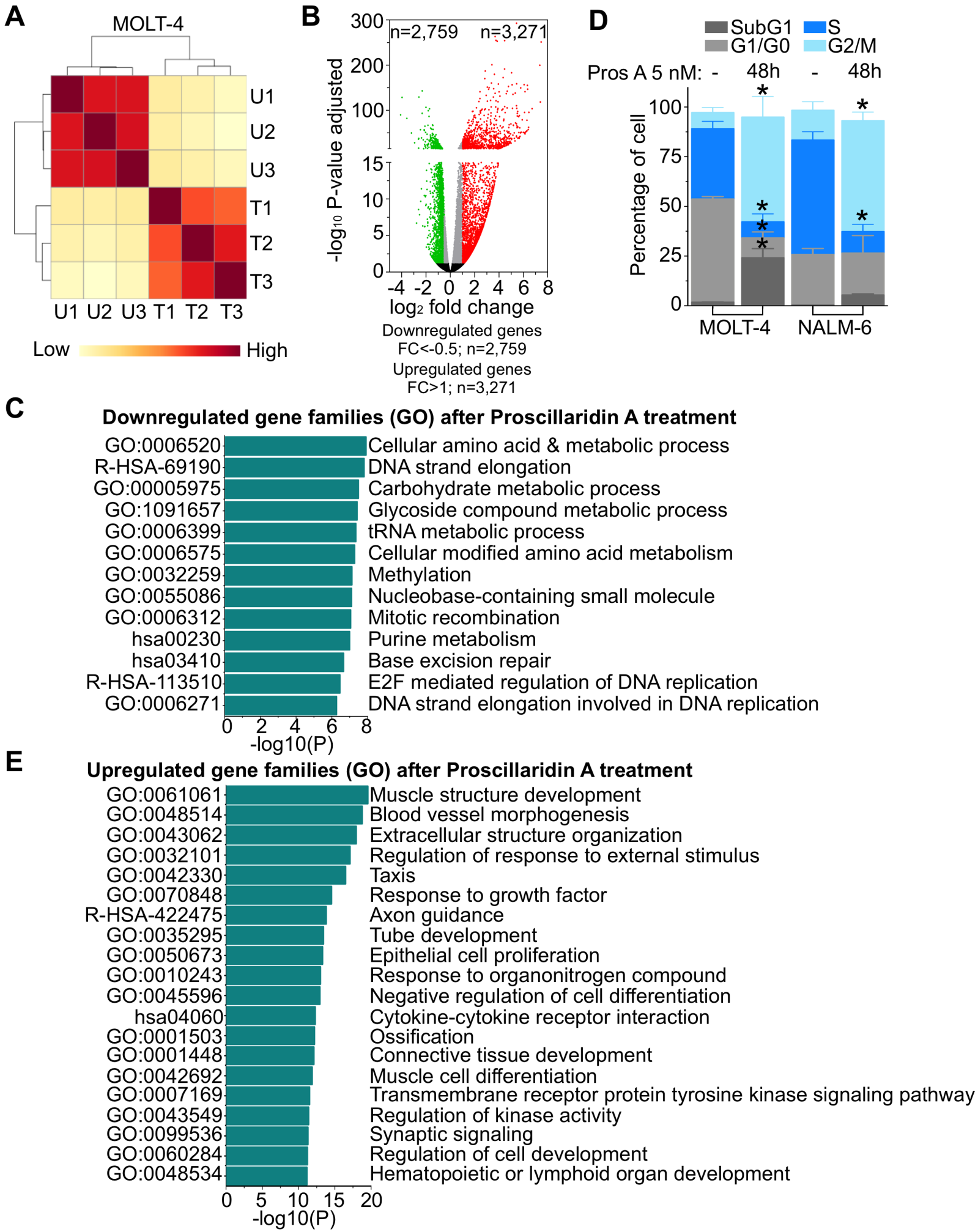
Figure S2


A
MOLT-4
U1
U2
U3
T1
T2
T3
U1 U2 U3 T1 T2 T3
Low
High
B
n=2,759
n=3,271
-log10 P-value adjusted
log2 fold change
Downregulated genes
FC<-0.5; n=2,759
Upregulated genes
FC>1; n=3,271
D
SubG1
S
G1/G0
G2/M
Pros A 5 nM: - 48h - 48h
Percentage of cell
MOLT-4
NALM-6
C
Downregulated gene families (GO) after Proscillaridin A treatment
GO:0006520 Cellular amino acid & metabolic process
R-HSA-69190 DNA strand elongation
GO:00005975 Carbohydrate metabolic process
GO:1091657 Glycoside compound metabolic process
GO:0006399 tRNA metabolic process
GO:0006575 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
-log10(P)
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
R-HSA-422475 Axon guidance
GO:0035295 Tube development
GO:0050673 Epithelial cell proliferation
GO:0010243 Response to organonitrogen compound
GO:0045596 Negative regulation of cell differentiation
hsa04060 Cytokine-cytokine receptor interaction
GO:0001503 Ossification
GO:0001448 Connective tissue development
GO:0042692 Muscle cell differentiation
GO:0007169 Transmembrane receptor protein tyrosine kinase signaling pathway
GO:0043549 Regulation of kinase activity
GO:0099536 Synaptic signaling
GO:0060284 Regulation of cell development
GO:0048534 Hematopoietic or lymphoid organ development
-log10(P)