

Supplementary Table 4 Selected examples of transcripts upregulated in human cells depleted of Stau1 in three independently performed microarray analyses

Cell motility, cell adhesion, extracellular matrix

actin alpha 2 smooth muscle aorta
 chromosome 14 open reading frame 141
 fibronectin 1
 filamin-binding LIM protein-1
 insulin-like growth factor binding protein 5
 integrin alpha 4 (antigen CD49D alpha 4 subunit of VLA-4 receptor)
 integrin beta 3 (platelet glycoprotein IIIa antigen CD61)
 osteoblast specific factor 2 (fasciclin I-like)
 protein tyrosine phosphatase receptor type F
 tenascin C (hexabrachion)
 thrombospondin 1
 transforming growth factor beta 1 induced transcript 1

Structural molecule activity, cytoskeleton, cytoskeleton organization and biogenesis

actin alpha 2 smooth muscle aorta
 actinin alpha 1
 chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity alpha)
 filamin-binding LIM protein-1
 Rho GDP dissociation inhibitor (GDI) beta
 thymosin beta identified in neuroblastoma cells
 tissue factor pathway inhibitor 2

Regulation of cell growth, cell cycle

chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity alpha)
 chromosome 14 open reading frame 141
 cyclin-dependent kinase 5 regulatory subunit 1 (p35)
 cyclin-E binding protein 1
 dual specificity phosphatase 6
 ets variant gene 1
 growth associated protein 43
 histone deacetylase 8
 signaling lymphocytic activation molecule family member 1
 spinal cord-derived growth factor-B
 suppressor of cytokine signaling 2
 tumor protein p53 (Li-Fraumeni syndrome)
 v-jun sarcoma virus 17 oncogene homolog (avian)

Apoptosis

catenin (cadherin-associated protein) alpha-like 1
 TIA1 cytotoxic granule-associated RNA binding protein
 tumor protein p53 (Li-Fraumeni syndrome)

Immune response

2'-5'-oligoadenylate synthetase-like
 chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity alpha)
 fibronectin 1
 guanylate binding protein 1 interferon-inducible 67kDa

Supplementary Table 4, Cont'd

interferon alpha-inducible protein (clone IFI-15K)
interferon-induced protein with tetratricopeptide repeats 1
interferon-induced protein with tetratricopeptide repeats 2
interferon-induced protein with tetratricopeptide repeats 4
interleukin 7 receptor
prostaglandin E receptor 4 (subtype EP4)
proteasome (prosome macropain) subunit beta type 9 (large multifunctional protease 2)
Rho GDP dissociation inhibitor (GDI) beta
signaling lymphocytic activation molecule family member 1

Response to stress (extracellular stimuli)

chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity alpha)
fibronectin 1
growth associated protein 43
integrin beta 3 (platelet glycoprotein IIIa antigen CD61)
interferon-induced protein 44
interleukin 7 receptor
signaling lymphocytic activation molecule family member 1
tissue factor pathway inhibitor 2

Regulation of DNA recombination, DNA repair

interleukin 7 receptor
tumor protein p53 (Li-Fraumeni syndrome)
uracil-DNA glycosylase

Regulation of transcription

ets variant gene 1
hairy and enhancer of split 1 (*Drosophila*)
high-mobility group box 3
leucine rich repeat (in FLII) interacting protein 1
PHD finger protein 11
transducin-like enhancer of split 4 (E(sp1) homolog *Drosophila*)
transforming growth factor beta 1 induced transcript 1
tumor protein p53 (Li-Fraumeni syndrome)
v-jun sarcoma virus 17 oncogene homolog (avian)
zinc finger protein 90 homolog (mouse)

Regulation of translation

eukaryotic translation initiation factor 5A2

Protein secretion

secretogranin II (chromogranin C)

Signal cascade

2'-5'-oligoadenylate synthetase-like
chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity alpha)
chromosome 14 open reading frame 141
dihydropyrimidinase-like 3
dual specificity phosphatase 6

Supplementary Table 4, Cont'd

growth associated protein 43
 guanine nucleotide binding protein (G protein) gamma 4
 hypothetical protein FLJ33505
 insulin-like growth factor binding protein 5
 integrin alpha 4 (antigen CD49D alpha 4 subunit of VLA-4 receptor)
 integrin beta 3 (platelet glycoprotein IIIa antigen CD61)
 interleukin 7 receptor
 prostaglandin E receptor 4 (subtype EP4)
 protein tyrosine phosphatase receptor type F
 protein tyrosine phosphatase receptor type O
 Rho GDP dissociation inhibitor (GDI) beta
 signaling lymphocytic activation molecule family member 1
 spinal cord-derived growth factor-B
 stathmin-like 3
 suppressor of cytokine signaling 2
 tenascin C (hexabrachion)
 thrombospondin 1
 transducin-like enhancer of split 4 (E(sp1) homolog *Drosophila*)
 transforming growth factor beta 1 induced transcript 1
 type I transmembrane receptor (seizure-related protein)

Complement and coagulation cascades

I factor (complement)
 serine (or cysteine) proteinase inhibitor clade E
 thrombospondin 1
 tissue factor pathway inhibitor 2

Cellular metabolism

aldehyde dehydrogenase 1 family member A3
 CGI-72 protein
 cyclin-E binding protein 1
 dihydropyrimidinase-like 3
 enoyl-Coenzyme A hydratase/3-hydroxyacyl Coenzyme A dehydrogenase
 hypothetical protein FLJ25348
 protein tyrosine phosphatase receptor type O
 selenocysteine lyase
 uracil-DNA glycosylase

Development, morphogenesis, organogenesis

actin alpha 2 smooth muscle aorta
 chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity alpha)
 cyclin-dependent kinase 5 regulatory subunit 1 (p35)
 dihydropyrimidinase-like 3
 filamin-binding LIM protein-1
 growth associated protein 43
 hairy and enhancer of split 1 (*Drosophila*)
 high-mobility group box 3
 osteoblast specific factor 2 (fasciclin I-like)
 Rho GDP dissociation inhibitor (GDI) beta
 stathmin-like 3
 suppressor of cytokine signaling 2
 thrombospondin 1

Supplementary Table 4, Cont'd

transducin-like enhancer of split 4 (E(sp1) homolog *Drosophila*)
transgelin
tumor protein p53 (Li-Fraumeni syndrome)

Organelle organization and biogenesis

thymosin beta identified in neuroblastoma cells

Oxidoreductase activity

fibronectin 1

Proteasome, ubiquitin cycle

cyclin-E binding protein 1
hypothetical protein FLJ20637
proteasome (prosome macropain) subunit beta type 9 (large multifunctional protease 2)
