

Biological processes modulated at translation level during differentiation of HL60 cells.

SPEEDED UP GENES				
Term	Count	PValue	Genes	Fold Enrichment
positive regulation of protein ubiquitination	6	7,1E-04	NDFIP1, NDFIP2, FKBP1A, PSME3, PSMD7, PSMD8	8,40
macromolecule catabolic process	17	8,3E-04	UBE2A, ANAPC13, CYCS, FKBP1A, UBE2NL, URM1, TXNDC12, SUMO1, CASP3, UBE2K, PNRC2, RNF2, FBXL12, PSME3, RNF167, PSMD7, PSMD8	2,56
Golgi vesicle transport	7	8,3E-04	AP1S1, SCAMP2, COPZ1, BET1, TRAPPC1, SAR1B, ERGIC2	6,29
electron transport chain	6	2,8E-03	NDUFA5, ENOX2, NDUFA6, CYCS, SDHD, CYB5B	6,19
protein localization	17	2,9E-03	BID, RAB7A, SRP14, STX5, SCAMP2, GOLT1B, RAB5C, TIMM17A, COPZ1, VPS37A, BET1, TMSB10, AP1S1, SAR1B, RAB10, SCAMP4, VPS25	2,27
vesicle-mediated transport	13	3,3E-03	STX5, RAB7A, SCAMP2, PDLIM7, GOLT1B, COPZ1, BET1, ERGIC2, AP1S1, CDC42SE2, RAC1, TRAPPC1, SAR1B	2,65
ER to Golgi vesicle-mediated transport	4	5,3E-03	BET1, TRAPPC1, SAR1B, ERGIC2	11,20
positive regulation of I-kappaB kinase/NF-kappaB cascade	5	9,1E-03	GOLT1B, RHOA, NDFIP1, NDFIP2, FKBP1A	6,06
SLOWED DOWN GENES				
Term	Count	PValue	Genes	Fold Enrichment
RNA processing	23	7,4E-06	ZC3H3, CPSF3L, RBM22, PPP2R1A, NCBP1, CSTF2, ADARB1, EFTUD2, HNRNPA2B1, SMAD2, SART3, SF3A1, HNRNPU, SART1, PNN, RSL1D1, PRPF8, GTF2F1, PCBP2, TRMT5, PES1, CPSF3, PRPF40A	3,01
mRNA metabolic process	18	1,6E-05	ZC3H3, RBM22, NCBP1, CSTF2, ADARB1, EFTUD2, HNRNPA2B1, IGF2BP1, SF3A1, HNRNPU, SART1, PNN, GTF2F1, PRPF8, PCBP2, VEGFA, CPSF3, PRPF40A	3,48
RNA splicing	15	4,3E-05	RBM22, NCBP1, PPP2R1A, CSTF2, EFTUD2, HNRNPA2B1, SF3A1, SART1, HNRNPU, PNN, GTF2F1, PRPF8, PCBP2, CPSF3, PRPF40A	3,78
M phase	16	5,6E-05	CKAP5, TPX2, LIG3, NUSAP1, TTK, CDC23, ILF3, SIRT7, NCAPD3, WEE1, MPHOSPH9, KIF2C, TNKS, PES1, KPNA2, ZW10	3,48
intracellular transport	22	3,2E-04	ZC3H3, RBM22, RAB3GAP2, NCBP1, PDIA3, SNX15, NUP160, ATL3, TIMM44, AP2B1, SET, ATP2A2, GOPC, EXOC4, PUM1, TRPC4AP, SEC24C, KPNA2, TNPO1, HSPA8, GGA3, ZW10	2,40
protein transport	24	3,7E-04	RBM22, RAB3GAP2, ARFGAP2, PDIA3, NUP160, SNX15, XPO4, VPS52, RUFY1, VPS53, PPT1, LMAN2, TIMM44, AP2B1, GOPC, EXOC4, TRPC4AP, TNKS, EXOC6, SEC24C, KPNA2, TNPO1, GGA3, ZW10	2,25
cell cycle	24	4,8E-04	TXNIP, CKAP5, CAMK2G, LIG3, POLA1, TPX2, CDC23, HCFC1, TTK, NUSAP1, ILF3, SIRT7, APPL1, WEE1, NCAPD3, SART1, MPHOSPH9, KIF2C, FANCI, TNKS, MDM4, PES1, KPNA2, ZW10	2,21
nucleocytoplasmic transport	8	6,1E-03	RBM22, ZC3H3, NCBP1, SET, PDIA3, NUP160, KPNA2, TNPO1	3,67