

Zuin et al., Table S7

Genes with NIPBL binding sites in LCL's (PT1) found to be differentially expressed in CdLs patient cells by Liu et al. [18] with FDR < 0.05

ID	Entrez Gene Name	Location	Type(s)
ABHD2	abhydrolase domain containing 2	unknown	enzyme
AKAP13	A kinase (PRKA) anchor protein 13	Cytoplasm	other
ANKRD11	ankyrin repeat domain 11	Nucleus	other
ARRB2	arrestin, beta 2	Cytoplasm	other
ATP6V1E1	ATPase, H+ transporting, lysosomal 31kDa, V1 subunit E1	Cytoplasm	transporter
ATPIF1	ATPase inhibitory factor 1	Cytoplasm	other
BBX	bobby sox homolog (Drosophila)	Nucleus	other
BUB3	budding uninhibited by benzimidazoles 3 homolog (yeast)	Nucleus	other
CAT	catalase	Cytoplasm	enzyme
CDKN3	cyclin-dependent kinase inhibitor 3	Nucleus	phosphatase
CDR2	cerebellar degeneration-related protein 2, 62kDa	Cytoplasm	other
CHAF1A	chromatin assembly factor 1, subunit A (p150)	Nucleus	other
COPZ1	coatamer protein complex, subunit zeta 1	Cytoplasm	transporter
COTL1	coactosin-like 1 (Dictyostelium)	Cytoplasm	other
CREB3L2	cAMP responsive element binding protein 3-like 2	Nucleus	other
CS	citrate synthase	Cytoplasm	enzyme
DCTN4	dynactin 4 (p62)	Nucleus	other
DDIT3	DNA-damage-inducible transcript 3	Nucleus	transcription regulator
DYNLRB1	dynein, light chain, roadblock-type 1	Cytoplasm	other
EBP	emopamil binding protein (sterol isomerase)	Cytoplasm	enzyme
EIF1	eukaryotic translation initiation factor 1	Cytoplasm	translation regulator
ELMO2	engulfment and cell motility 2	Cytoplasm	other
EXOC4	exocyst complex component 4	Cytoplasm	transporter
F11R	F11 receptor	Plasma Membrane	other
FBXO8	F-box protein 8	Cytoplasm	other
GLCCI1	glucocorticoid induced transcript 1	Cytoplasm	other
GLS	glutaminase	Cytoplasm	enzyme
GOLGB1	golgin B1	Cytoplasm	other
GTPBP3	GTP binding protein 3 (mitochondrial)	Cytoplasm	enzyme
HMGCS1	3-hydroxy-3-methylglutaryl-CoA synthase 1 (soluble)	Cytoplasm	enzyme
INTS3	integrator complex subunit 3	Nucleus	other
ITFG2	integrin alpha FG-GAP repeat containing 2	unknown	other
JMJD2B	lysine (K)-specific demethylase 4B	unknown	other
KHSRP	KH-type splicing regulatory protein	Nucleus	enzyme
LAPTM4A	lysosomal protein transmembrane 4 alpha	Cytoplasm	other
LAS1L	LAS1-like (S. cerevisiae)	Nucleus	other
LRRC28	leucine rich repeat containing 28	unknown	other
MCM3	minichromosome maintenance complex component 3	Nucleus	enzyme
MCM5	minichromosome maintenance complex component 5	Nucleus	enzyme
MSH2	mutS homolog 2, colon cancer, nonpolyposis type 1 (E. coli)	Nucleus	enzyme
MTMR4	myotubularin related protein 4	Cytoplasm	phosphatase
NBR1	neighbor of BRCA1 gene 1	Cytoplasm	other
NCAPD3	non-SMC condensin II complex, subunit D3	Nucleus	other
NFE2L1	nuclear factor (erythroid-derived 2)-like 1	Nucleus	transcription regulator
NGRN	neugrin, neurite outgrowth associated	Nucleus	other

Zuin et al., Table S7 continued

ID	Entrez Gene Name	Location	Type(s)
NR2C2	nuclear receptor subfamily 2, group C, member 2	Nucleus	ligand-dependent nuclear receptor
NUP98	nucleoporin 98kDa	Nucleus	transporter
ORC2L	origin recognition complex, subunit 2	Nucleus	other
OSBPL3	oxysterol binding protein-like 3	Cytoplasm	other
PBXIP1	pre-B-cell leukemia homeobox interacting protein 1	Nucleus	transcription regulator
PCCB	propionyl CoA carboxylase, beta polypeptide	Cytoplasm	enzyme
PHPT1	phosphohistidine phosphatase 1	Cytoplasm	phosphatase
PIAS3	protein inhibitor of activated STAT, 3	Nucleus	transcription regulator
PJA2	praja ring finger 2	Cytoplasm	enzyme
PLCG1	phospholipase C, gamma 1	Cytoplasm	enzyme
PNN	pinin, desmosome associated protein	Plasma Membrane	other
PPP3CA	protein phosphatase 3, catalytic subunit, alpha isozyme	Cytoplasm	phosphatase
PTMA	prothymosin, alpha	Nucleus	other
RAB5B	RAB5B, member RAS oncogene family	Cytoplasm	enzyme
RFWD3	ring finger and WD repeat domain 3	Nucleus	enzyme
RPL17	ribosomal protein L17	Cytoplasm	other
RPS6	ribosomal protein S6	Cytoplasm	other
RUVBL1	RuvB-like 1 (E. coli)	Nucleus	transcription regulator
SEC61G	Sec61 gamma subunit	Cytoplasm	transporter
SFXN5	sideroflexin 5	Cytoplasm	transporter
SLC25A37	solute carrier family 25, member 37	Cytoplasm	transporter
SLC25A42	solute carrier family 25, member 42	Cytoplasm	other
SLC39A3	solute carrier family 39 (zinc transporter), member 3	Plasma Membrane	transporter
SNRPA	small nuclear ribonucleoprotein polypeptide A	Nucleus	other
SORT1	sortilin 1	Cytoplasm	transporter
STAT3	signal transducer and activator of transcription 3 (acute-phase response)	Nucleus	transcription regulator
STT3B	STT3, subunit of the oligosaccharyltransferase complex, homolog B (mouse)	Cytoplasm	enzyme
TMEM9	transmembrane protein 9	Cytoplasm	other
TSPAN31	tetraspanin 31	Plasma Membrane	other
UBR1	ubiquitin protein ligase E3 component n-recogin 1	Cytoplasm	enzyme
UGP2	UDP-glucose pyrophosphorylase 2	Cytoplasm	enzyme
UTP6	UTP6, small subunit (SSU) processome component, homolog (yeast)	Nucleus	other
WDR74	WD repeat domain 74	Nucleus	other
YBX1	Y box binding protein 1	Nucleus	transcription regulator
ZFP91	zinc finger protein 91 homolog (mouse)	Nucleus	transcription regulator
ZNF141	zinc finger protein 141	Nucleus	transcription regulator
ZNF211	zinc finger protein 211	Nucleus	transcription regulator
ZNF671	zinc finger protein 671	Nucleus	other
ZNF691	zinc finger protein 691	Nucleus	other
ZNF695	zinc finger protein 695	Nucleus	other
ZNF720	zinc finger protein 720	unknown	other
ZNF91	zinc finger protein 91	Nucleus	transcription regulator