

**Table 3. Text mining results for NCI60 predictor genes**

<b>Gene name</b>	<b>Selection frequency</b>	<b>Family</b>	<b>Localization</b>
BIRC3	1		Cytoplasm
CYP24A1	1	enzyme	Cytoplasm
FLNA	1		Cytoplasm
GNB2L1	1	enzyme	Cytoplasm
HBA2	1		Cytoplasm
HSPA1A	1		Cytoplasm
IER3	1		Cytoplasm
KIF1B	1	transporter	Cytoplasm
LASP1	1		Cytoplasm
LMO7	1		Cytoplasm
M6PR	1	transporter	Cytoplasm
MYLK	1	kinase	Cytoplasm
PEX5	1	transmembrane receptor	Cytoplasm
PLS1	1		Cytoplasm
PPP3CA	1	phosphatase	Cytoplasm
PPP4C	1	phosphatase	Cytoplasm
PRKACB	1	kinase	Cytoplasm
PRKCB1	1	kinase	Cytoplasm
PSMB8	1	peptidase	Cytoplasm
RAB32	1		Cytoplasm
S100A6	1	growth factor	Cytoplasm
S100A11	1		Cytoplasm
SAT	1	enzyme	Cytoplasm
TPD52	1		Cytoplasm
TRIP6	1		Cytoplasm
TXNIP	1		Cytoplasm
UGT1A10	1	enzyme	Cytoplasm
AP1G2	2	transporter	Cytoplasm
AP1S2	2	transporter	Cytoplasm
APBA2	2	transporter	Cytoplasm
ARHGDIB	2		Cytoplasm
ARHGEF12	2		Cytoplasm
ASS	2	enzyme	Cytoplasm
CRAT	2	enzyme	Cytoplasm
CS	2	enzyme	Cytoplasm
CTSL	2	peptidase	Cytoplasm
DAPK1	2	kinase	Cytoplasm
GPX1	2	enzyme	Cytoplasm
LGMN	2	peptidase	Cytoplasm
MOAP1	2		Cytoplasm
PIK3R1	2		Cytoplasm
PPM2C	2	phosphatase	Cytoplasm
PRKCD	2	kinase	Cytoplasm
PRKCM	2	kinase	Cytoplasm
S100A4	2		Cytoplasm
SCHIP1	2		Cytoplasm

SH3KBP1	2		Cytoplasm
SNX2	2	transporter	Cytoplasm
SYNJ1	2	phosphatase	Cytoplasm
TCTEL1	2		Cytoplasm
WWP1	2	enzyme	Cytoplasm
BACE1	3	peptidase	Cytoplasm
CALD1	3		Cytoplasm
CASP4	3	peptidase	Cytoplasm
CYP1B1	3	enzyme	Cytoplasm
DBN1	3		Cytoplasm
FAU	3		Cytoplasm
IQGAP2	3		Cytoplasm
KRT14	3		Cytoplasm
LYN	3	kinase	Cytoplasm
NEFL	3		Cytoplasm
PLEKHC1	3		Cytoplasm
PRDX1	3	enzyme	Cytoplasm
PTK2	3	kinase	Cytoplasm
SGK	3	kinase	Cytoplasm
STXBP1	3	transporter	Cytoplasm
APBB1	4		Cytoplasm
BLVRB	4	enzyme	Cytoplasm
CBR1	4	enzyme	Cytoplasm
DHCR7	4	enzyme	Cytoplasm
EPIM	4	transporter	Cytoplasm
FDPS	4	enzyme	Cytoplasm
FTL	4		Cytoplasm
GGA2	4	transporter	Cytoplasm
LDHB	4	enzyme	Cytoplasm
MYO5B	4		Cytoplasm
NEDD4L	4	enzyme	Cytoplasm
PSEN2	4		Cytoplasm
RPS16	4		Cytoplasm
ABL2	5	kinase	Cytoplasm
ANXA3	5	enzyme	Cytoplasm
ASAH1	5	enzyme	Cytoplasm
CAMK2D	5	kinase	Cytoplasm
CKAP4	5		Cytoplasm
GCH1	5	enzyme	Cytoplasm
GPX2	5	enzyme	Cytoplasm
GRP58	5	peptidase	Cytoplasm
KIF3C	5		Cytoplasm
KRT8	5	kinase	Cytoplasm
LIPA	5	enzyme	Cytoplasm
MAP1B	5		Cytoplasm
PHKA2	5	kinase	Cytoplasm
CRYZ	6	enzyme	Cytoplasm
CYB5	6	enzyme	Cytoplasm
KRT5	6		Cytoplasm
PIM1	6	kinase	Cytoplasm
PRKCA	6	kinase	Cytoplasm
PSMD4	6		Cytoplasm

TPM1	6		Cytoplasm
UBE1L	6		Cytoplasm
GAD1	7	enzyme	Cytoplasm
KRT6B	7		Cytoplasm
MYH9	7		Cytoplasm
NDRG2	7		Cytoplasm
PFN2	7		Cytoplasm
MYO10	8		Cytoplasm
PRKCE	8	kinase	Cytoplasm
CTSD	10	peptidase	Cytoplasm
DLC1	10		Cytoplasm
LRRC1	10		Cytoplasm
ARHE	11	enzyme	Cytoplasm
GCA	13		Cytoplasm
TRIM3	13		Cytoplasm
HBE1	20	transporter	Cytoplasm
AKR1B1	39	enzyme	Cytoplasm
C1S	1	peptidase	Extracellular Space
C4A	1		Extracellular Space
FGF12	1	growth factor	Extracellular Space
IGFBP3	1		Extracellular Space
SERPINA1	1		Extracellular Space
SERPIND1	1		Extracellular Space
SGNE1	1		Extracellular Space
APOC3	2	transporter	Extracellular Space
CXCL2	2	cytokine	Extracellular Space
CXCL5	2	cytokine	Extracellular Space
LGALS3	2		Extracellular Space
PLAU	2	peptidase	Extracellular Space
PRG1			
(PROTEOGLY			
CAN 1)	2		Extracellular Space
SFRP1	2	transmembrane receptor	Extracellular Space
TFPI	2		Extracellular Space
TIMP2	2		Extracellular Space
TNFAIP2	2		Extracellular Space
VEGF	2	growth factor	Extracellular Space
FBLN1	3		Extracellular Space
FGF2	3	growth factor	Extracellular Space
NID2	3		Extracellular Space
PLAT	3	peptidase	Extracellular Space
C1R	4	peptidase	Extracellular Space
FAM3C	4		Extracellular Space
SPARC	4		Extracellular Space
TFPI2	4		Extracellular Space
C19ORF10	5	cytokine	Extracellular Space
COL1A1	5		Extracellular Space
LGALS3BP	5	transmembrane receptor	Extracellular Space
SAA1	5	transporter	Extracellular Space
COL6A1	6		Extracellular Space
IGFBP7	6	enzyme	Extracellular Space
PCSK5	6	peptidase	Extracellular Space

SERPINE2	6		Extracellular Space
APOC1	7	transporter	Extracellular Space
LAMB1	7		Extracellular Space
MMP14	7	peptidase	Extracellular Space
TGFB1I4	7	transcription regulator	Extracellular Space
IL6	8	cytokine	Extracellular Space
PROS1	8		Extracellular Space
APOD	11	transporter	Extracellular Space
CYR61	13		Extracellular Space
LYZ	14	enzyme	Extracellular Space
BF	19	peptidase	Extracellular Space
IL1B	20	cytokine	Extracellular Space
CTGF	21	growth factor	Extracellular Space
EFEMP1	23		Extracellular Space
IL8	26	cytokine	Extracellular Space
TIMP3	27		Extracellular Space
FSTL1	30		Extracellular Space
MUC13	36		Extracellular Space
APEG1	1	kinase	Nucleus
CITED2	1	transcription regulator	Nucleus
CSRP2	1		Nucleus
ETV5	1	transcription regulator	Nucleus
FAF1	1		Nucleus
FHL2	1		Nucleus
FOXD1	1	transcription regulator	Nucleus
HIST1H2AC	1		Nucleus
MDM2	1	transcription regulator	Nucleus
NFATC3	1	transcription regulator	Nucleus
RUNX1	1	transcription regulator	Nucleus
SET7	1	enzyme	Nucleus
ARF4L	2	transporter	Nucleus
ARGBP2	2		Nucleus
DNMT3B	2	enzyme	Nucleus
ELL2	2	transcription regulator	Nucleus
ENC1	2	peptidase	Nucleus
FOS	2	transcription regulator	Nucleus
LMO4	2		Nucleus
SATB1	2	transcription regulator	Nucleus
ZNF238	2		Nucleus
FOSL2	3	transcription regulator	Nucleus
		ligand-dependent nuclear	
NR1H3	3	receptor	Nucleus
PTRF	3	transcription regulator	Nucleus
TEF	3	transcription regulator	Nucleus
TFCP2	3	transcription regulator	Nucleus
TP53	3	transcription regulator	Nucleus
IRX3	4	transcription regulator	Nucleus
NEDD9	4		Nucleus
QKI	4		Nucleus
SP140	4	transcription regulator	Nucleus
SSA2	4		Nucleus
TEAD1	4	transcription regulator	Nucleus

COPEB	5	transcription regulator	Nucleus
ETS2	5	transcription regulator	Nucleus
KLF3	5	transcription regulator	Nucleus
MUTYH	5	enzyme	Nucleus
NFIA	5	transcription regulator	Nucleus
PBX1	5	transcription regulator	Nucleus
TCF7L2	5	transcription regulator	Nucleus
PEG10	6		Nucleus
BCL3	7	transcription regulator	Nucleus
GTL3	7		Nucleus
		ligand-dependent nuclear	
		receptor	
NR2F1	7		Nucleus
RBMS1	7		Nucleus
MXI1	8	transcription regulator	Nucleus
P8	8	transcription regulator	Nucleus
PLK2	8	kinase	Nucleus
CAPG	9		Nucleus
SMARCB1	9		Nucleus
TCF8	9	transcription regulator	Nucleus
DDEF2	12		Nucleus
SOX9	12	transcription regulator	Nucleus
HCLS1	17	transcription regulator	Nucleus
MEIS1	24	transcription regulator	Nucleus
AQP3	1	transporter	Plasma Membrane
CASK	1	kinase	Plasma Membrane
CD9	1		Plasma Membrane
CLDN11	1		Plasma Membrane
EMP2	1		Plasma Membrane
FN1	1	enzyme	Plasma Membrane
ITGA3	1		Plasma Membrane
SORL1	1	transporter	Plasma Membrane
APOM	2	transporter	Plasma Membrane
CD4	2	transmembrane receptor	Plasma Membrane
DDR1	2	kinase	Plasma Membrane
FCGR2B	2		Plasma Membrane
FGFR3	2	kinase	Plasma Membrane
GRB10	2		Plasma Membrane
HLA-B	2	transmembrane receptor	Plasma Membrane
IFITM2	2		Plasma Membrane
IL13RA1	2	transmembrane receptor	Plasma Membrane
IL4R	2	transmembrane receptor	Plasma Membrane
MET	2	kinase	Plasma Membrane
MSN	2		Plasma Membrane
PECAM1	2		Plasma Membrane
PERP	2		Plasma Membrane
RPH3AL	2		Plasma Membrane
SLC12A2	2	transporter	Plasma Membrane
SLC26A2	2	transporter	Plasma Membrane
TM4SF2	2		Plasma Membrane
TNFRSF5	2	transmembrane receptor	Plasma Membrane
ABCC2	3	transporter	Plasma Membrane
ADAM9	3	peptidase	Plasma Membrane

ANXA6	3		Plasma Membrane
CD68	3		Plasma Membrane
CDH17	3	transporter	Plasma Membrane
DST	3		Plasma Membrane
F11R	3		Plasma Membrane
HLA-A	3	transmembrane receptor	Plasma Membrane
HLA-DQA1	3	transmembrane receptor	Plasma Membrane
HLA-DRB3	3	transmembrane receptor	Plasma Membrane
IGSF8	3		Plasma Membrane
IL6ST	3	transmembrane receptor	Plasma Membrane
LAMP2	3	enzyme	Plasma Membrane
RDX	3		Plasma Membrane
SEMA4B	3		Plasma Membrane
SLC16A1	3	transporter	Plasma Membrane
TJP1	3		Plasma Membrane
TNFRSF6	3	transmembrane receptor	Plasma Membrane
ADRB2	4	G-protein coupled receptor	Plasma Membrane
ANXA4	4		Plasma Membrane
BAIAP1	4	kinase	Plasma Membrane
GABRE	4	ion channel	Plasma Membrane
GNG12	4	enzyme	Plasma Membrane
IGLL1	4		Plasma Membrane
NGFRAP1	4		Plasma Membrane
PLAUR	4	transmembrane receptor	Plasma Membrane
PRNP	4		Plasma Membrane
PTPRK	4	phosphatase	Plasma Membrane
SDCBP	4		Plasma Membrane
SNTB2	4		Plasma Membrane
CLDN1	5		Plasma Membrane
DAG1	5	transmembrane receptor	Plasma Membrane
JUP	5		Plasma Membrane
RHOQ	5	enzyme	Plasma Membrane
SMO	5	G-protein coupled receptor	Plasma Membrane
ANXA5	6		Plasma Membrane
B2M	6	transmembrane receptor	Plasma Membrane
CAV1	6		Plasma Membrane
EGFR	6	kinase	Plasma Membrane
NOTCH2	6	transcription regulator	Plasma Membrane
PTPRM	6	phosphatase	Plasma Membrane
TGFBR3	6		Plasma Membrane
ADAM12	7	peptidase	Plasma Membrane
ITGA5	7		Plasma Membrane
KCNQ4	7	ion channel	Plasma Membrane
LEPR	7	transmembrane receptor	Plasma Membrane
ADCY7	8	enzyme	Plasma Membrane
JUB	8		Plasma Membrane
TBL1X	8		Plasma Membrane
LAMR1	9	transmembrane receptor	Plasma Membrane
TRIO	9	kinase	Plasma Membrane
GYPA	10		Plasma Membrane

SLC1A3	11	transporter	Plasma Membrane
ANXA1	13		Plasma Membrane
DLG3	13		Plasma Membrane
ITGA6	13		Plasma Membrane
THY1	13		Plasma Membrane
ALCAM	16		Plasma Membrane
ITGB1	16	transmembrane receptor	Plasma Membrane
MGLL	16	enzyme	Plasma Membrane
GJA1	18	transporter	Plasma Membrane
CAV2	19		Plasma Membrane
EPS8	25	peptidase	Plasma Membrane
SLC2A3	25	transporter	Plasma Membrane
DDR2	27	kinase	Plasma Membrane
NMBR	37	G-protein coupled receptor	Plasma Membrane
NUBP1	1		
PRKAG1	1	kinase	
SEC15L2	1		
BCL7A	2		
C6ORF108	2		
CREG	2	transcription regulator	
IFIT2	2		
BBAP	3		
UBL5	3		
CAMKK1	4	kinase	
DNCH2	4		
SYNE1	4		
TPD52L1	8		
BCAR3	9		
NK4	9		
CHL1	17		