

# DNTT

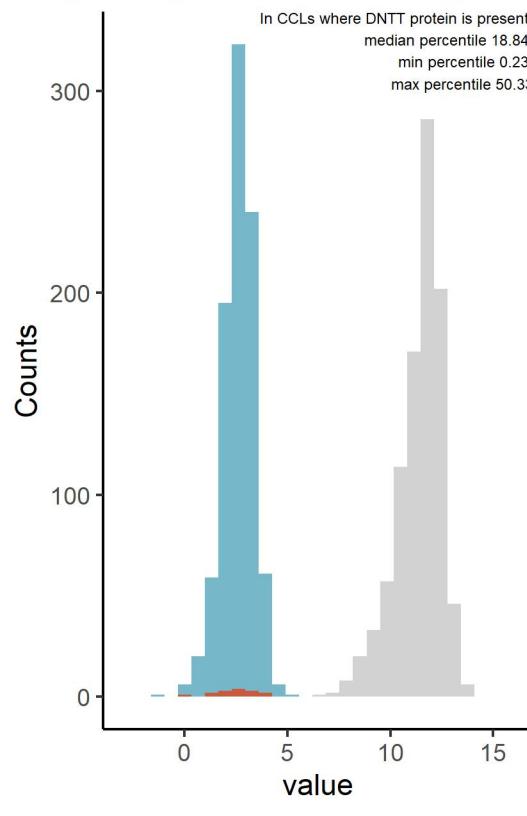
Protein name: TDT ; UNIPROT: P04053 ; Gene name: DNA nucleotidyltransferase

Ligandable: NA ; Ligandable\_by\_Chem: NA ; Is\_enzyme: Yes (<https://cansar.ai/>)

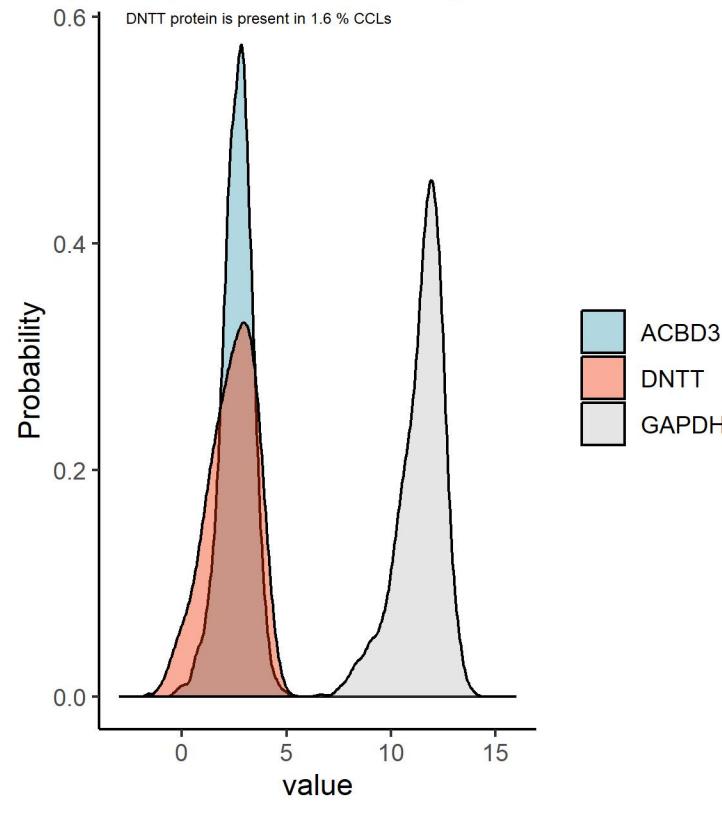
## Sanger Institute Protein Database 1 (DB1), protein presence is certain

6692 proteins in 949 CCLs

Histogram of DNTT protein compared to proteins with low and high abundance



Density plot of DNTT protein compared to proteins with low and high abundance



Top negative correlations of DNTT protein, DB1

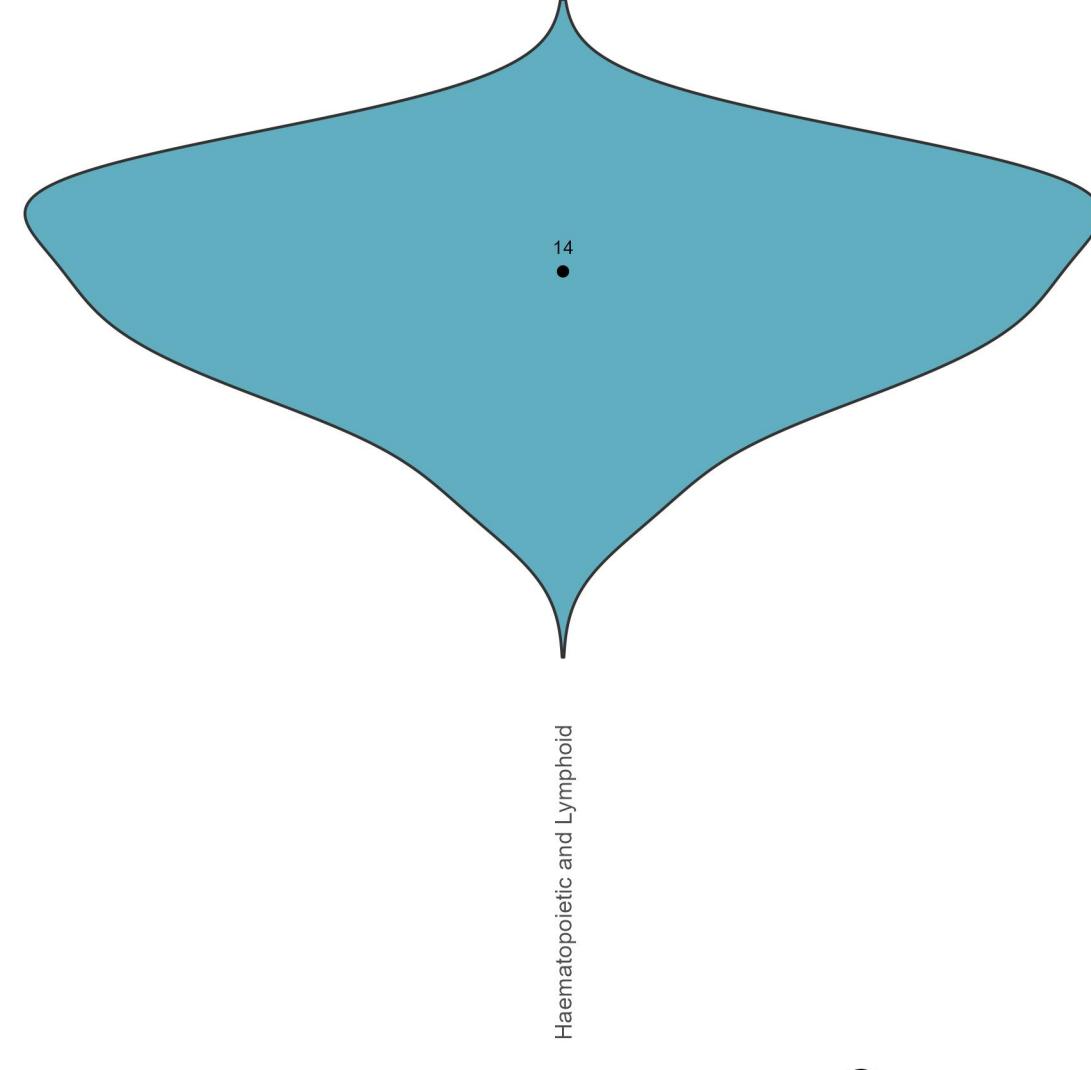
Pearson correlation coefficients

Top positive correlations of DNTT protein, DB1

Pearson correlation coefficients

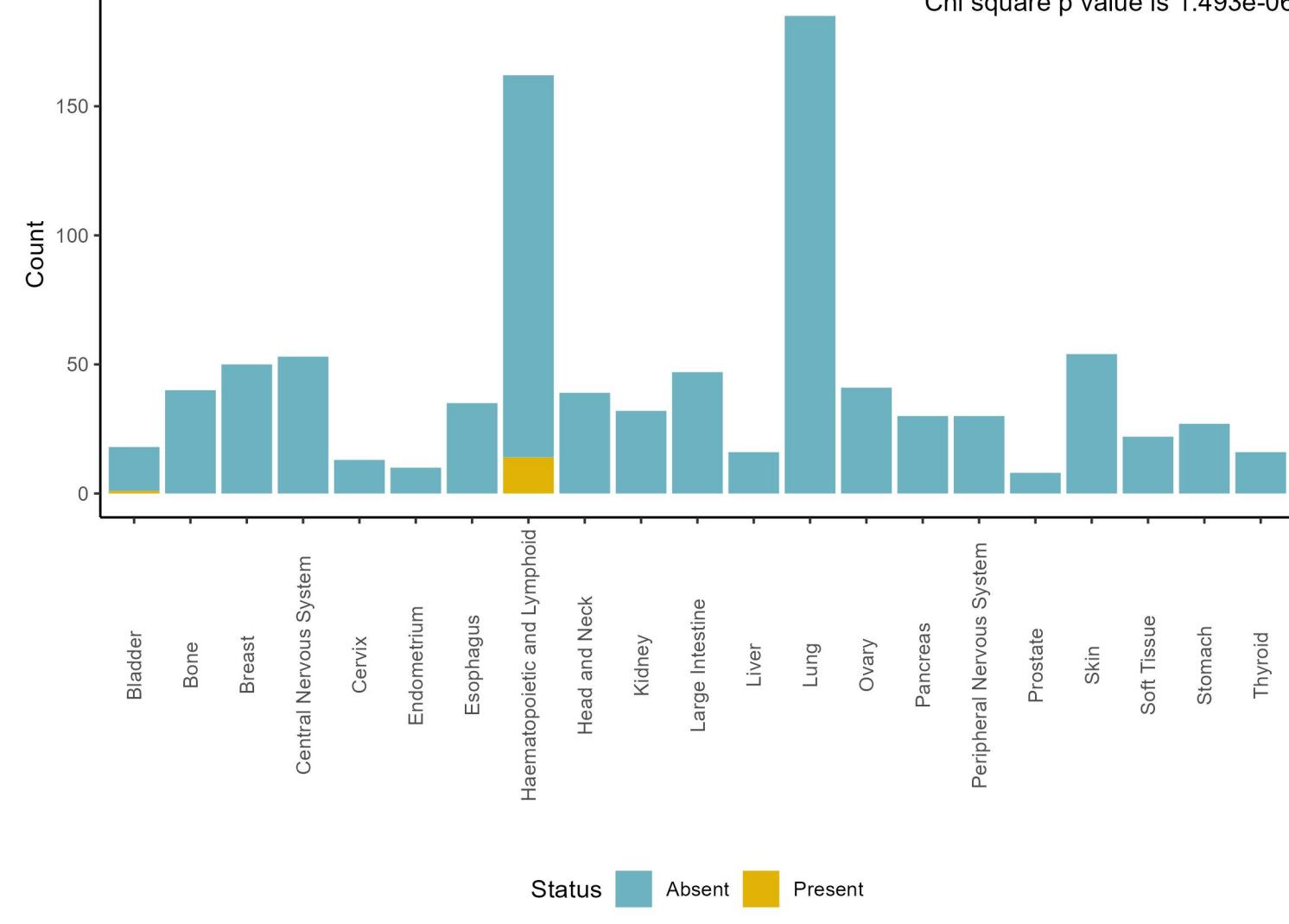
Amount of DNTT protein, number of CCLs where it is present by tissue, DB1

ANOVA p value is 7.343e-01



Present and absent DNTT protein counts by tissue, DB1

Chi square p value is 1.493e-06

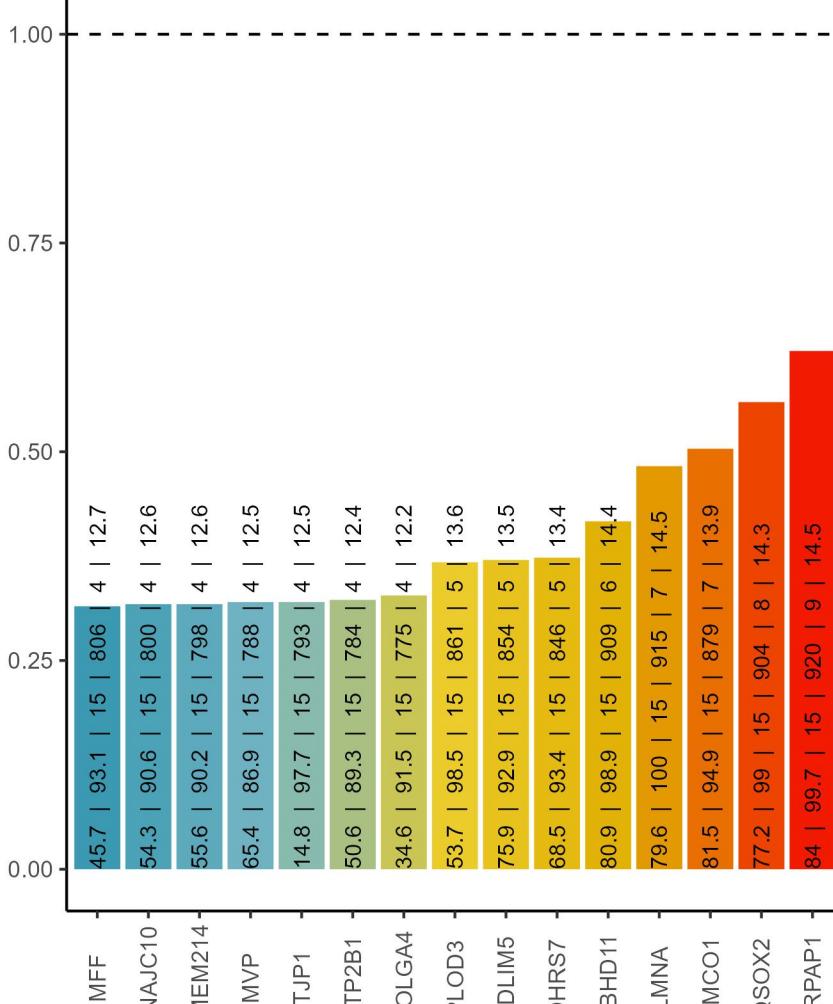


Cooccurrence with DNTT protein, DB1

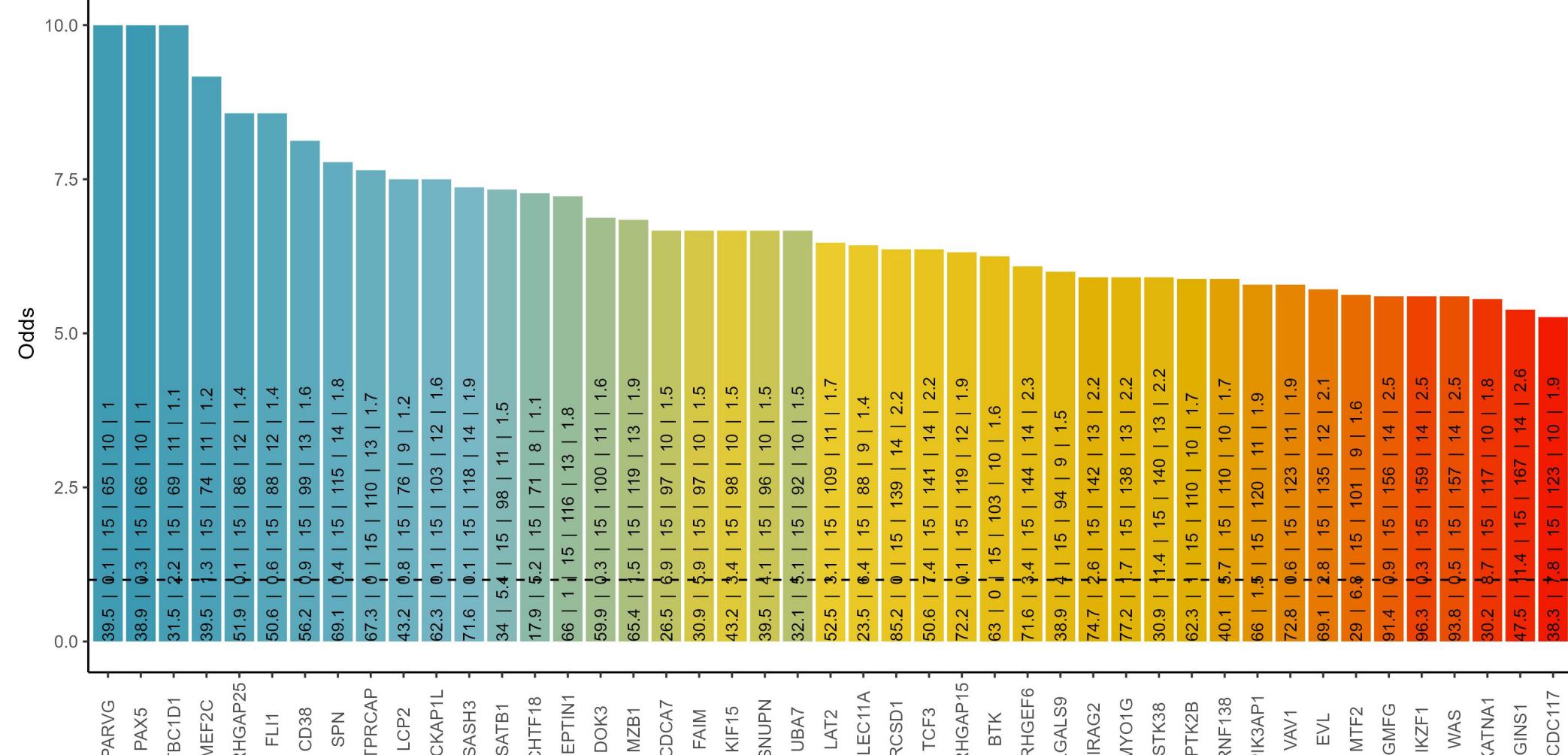
% of DNTT in blood cancers: 8.6 ; % of DNTT in solid cancers: 0.1

Text in the bars: % of Protein 2 in blood cancers | % of Protein 2 in solid cancers | incidence of DNTT | incidence of Protein 2 | observed cooccurrence | expected cooccurrence

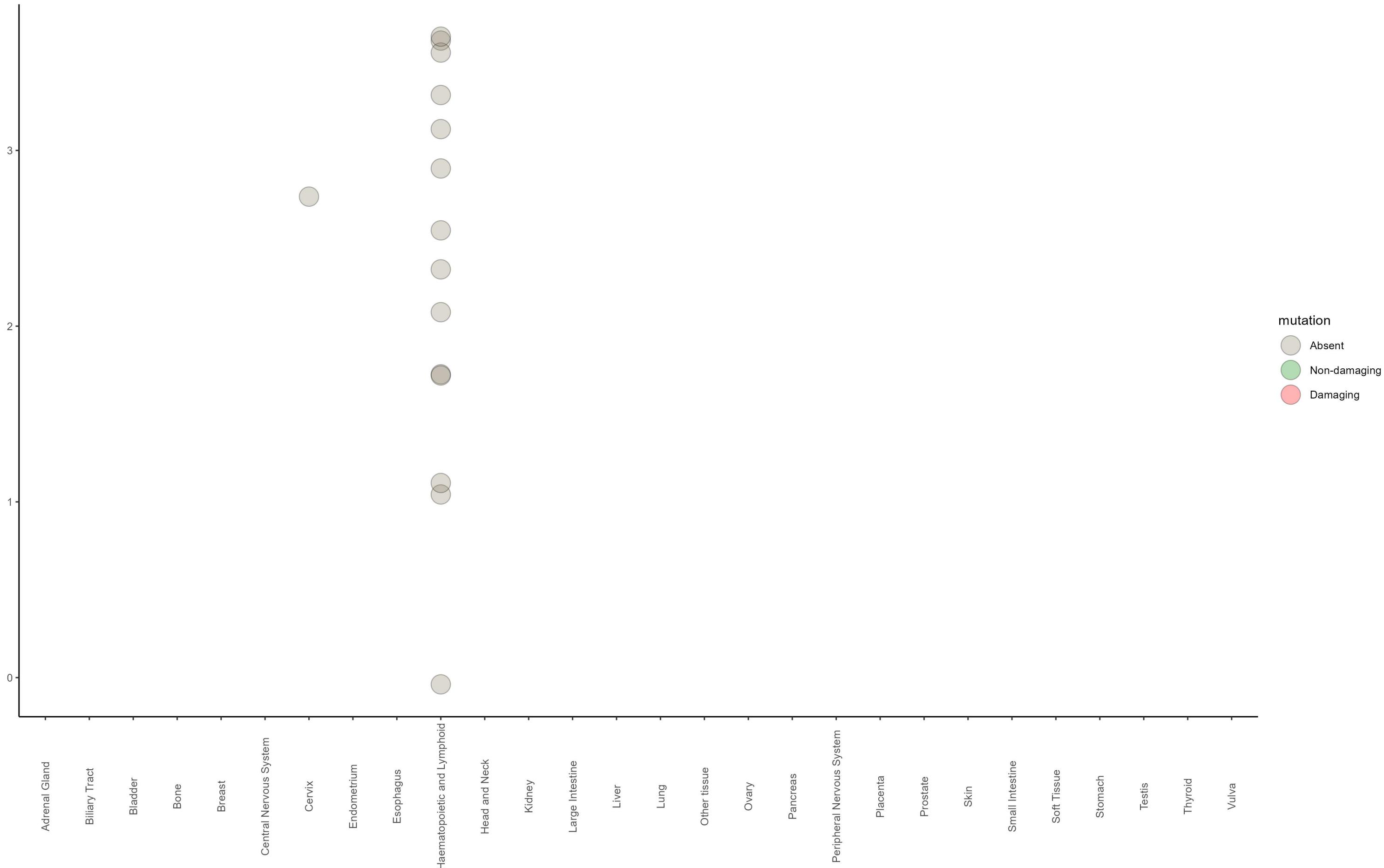
Negative cooccurrence



Positive cooccurrence

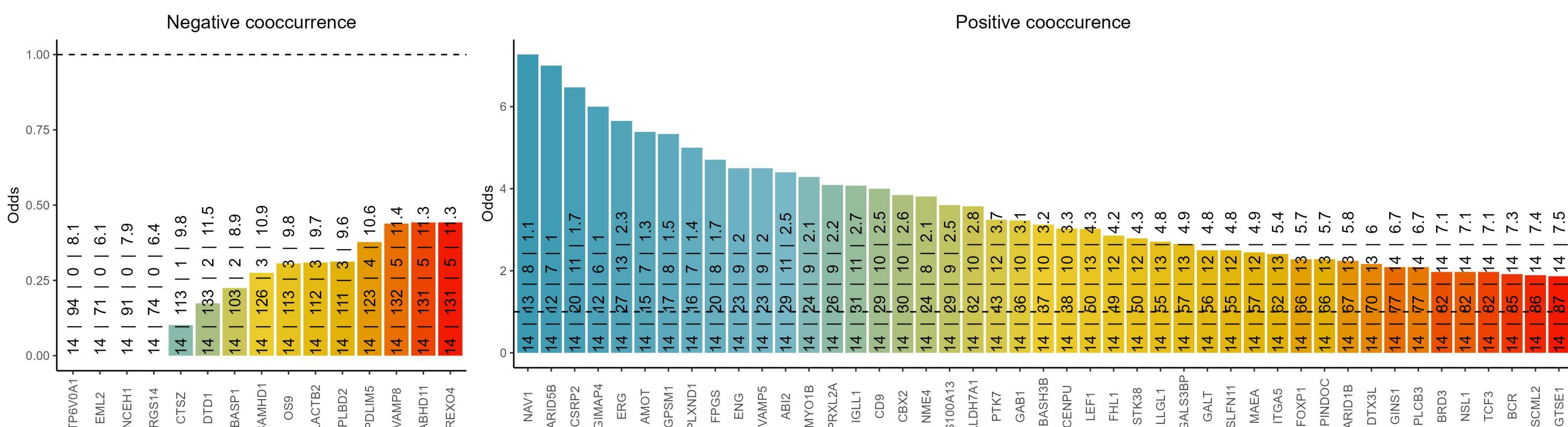


# Amount of DNTT protein and mutation status by tissue, DB1



## Cooccurrence with DNTT protein in blood cancers, DB1

The text in the bars: incidence of DNTT | incidence of Protein 2 | observed cooccurrence | expected cooccurrence

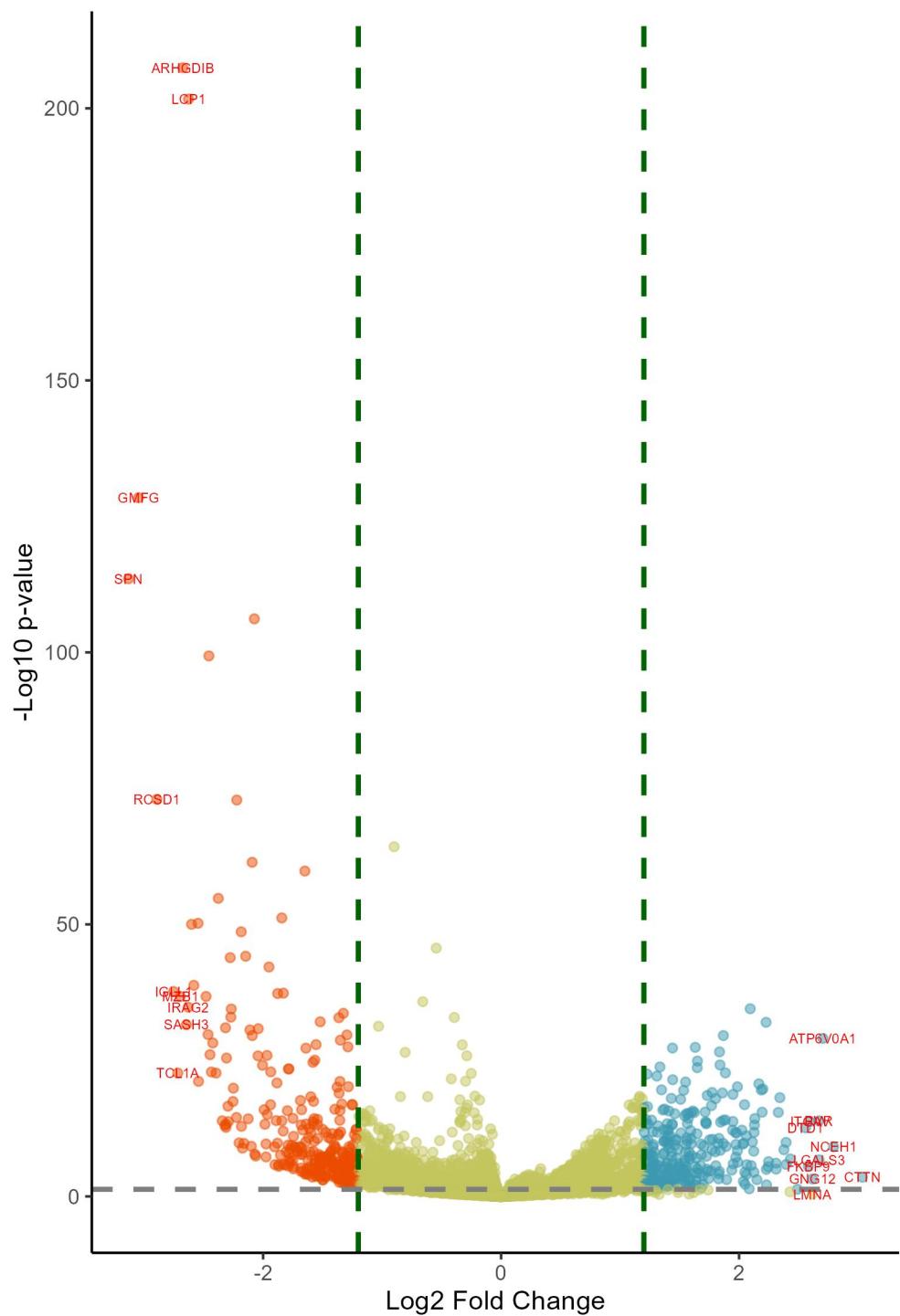


## Cooccurrence with DNTT protein in solid cancers, DB1

The text in the bars: incidence of DNTT | incidence of Protein 2 | observed cooccurrence | expected cooccurrence



p-value &lt; 0.05 &amp; logFC &gt; 1.2

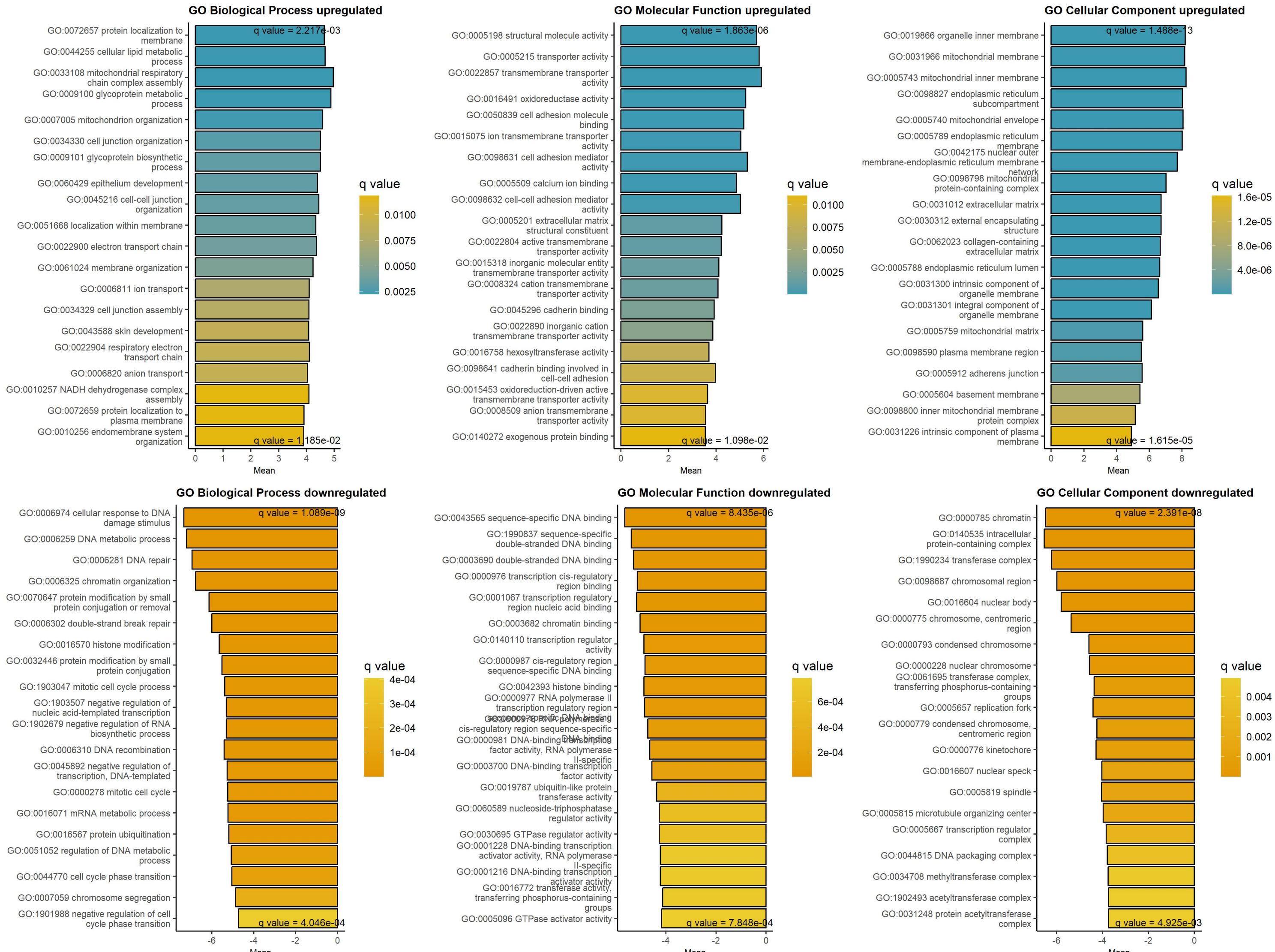


## Downregulated at low/absent DNTT

## Upregulated at low/absent DNTT

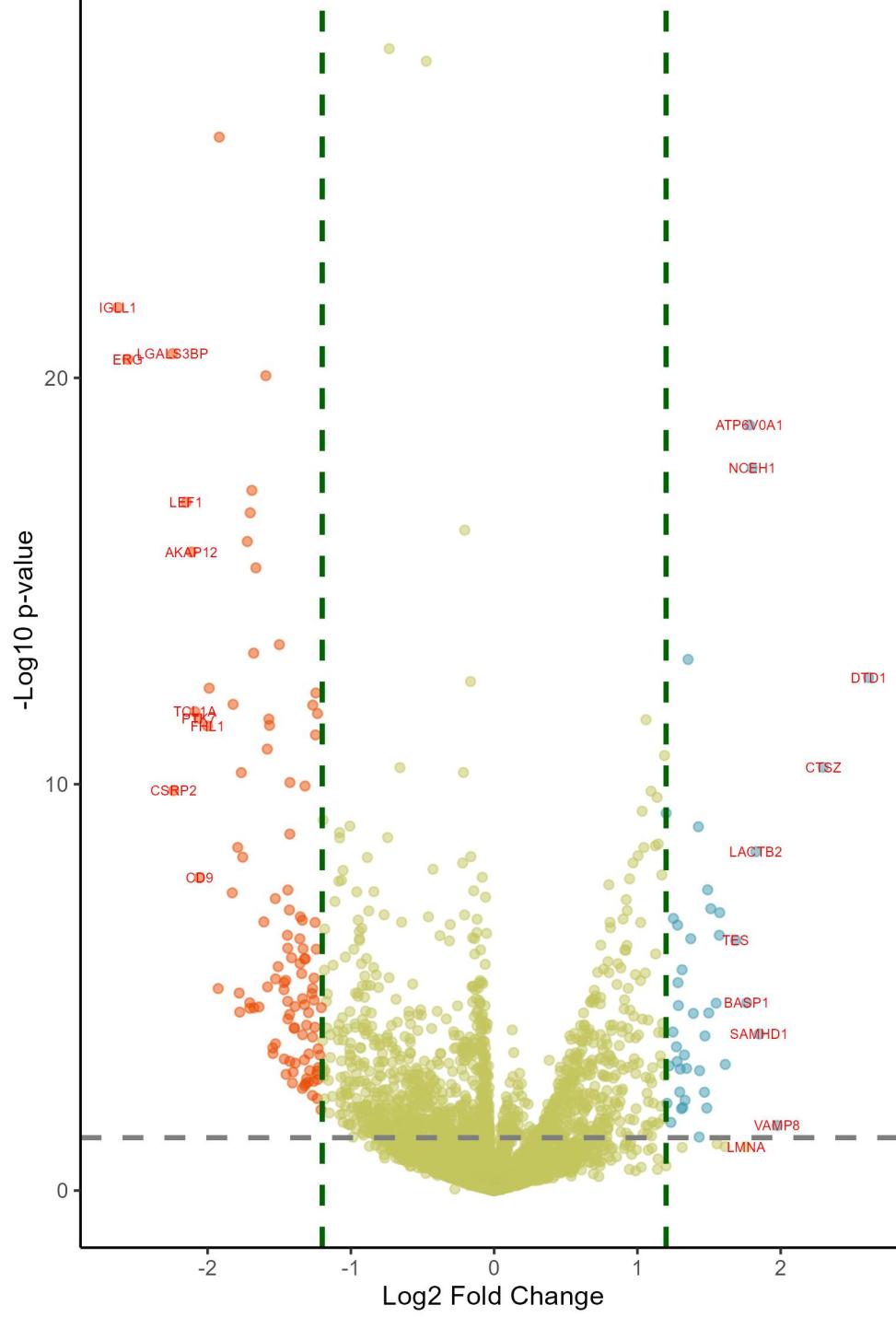
logFC	adj.P.Val	symbol	name	logFC	adj.P.Val	symbol	name
-3.13	3.89e-111	SPN	sialophorin	3.04	1.51e-03	CTTN	cortactin
-3.05	6.24e-126	GMFG	glia maturation factor gamma	2.79	1.37e-08	NCEH1	neutral cholesterol ester hydrolase
-2.89	8.65e-71	RCSD1	RCSD domain containing 1	2.7	1.27e-27	ATP6VOA1	ATPase H <sup>+</sup> transporting V0 subunit a
-2.75	6.45e-36	IGLL1	immunoglobulin lambda like polypept	2.67	2.20e-06	LGALS3	galectin 3
-2.72	1.85e-21	TCL1A	TCL1 family AKT coactivator A	2.67	4.68e-13	PVR	PVR cell adhesion molecule
-2.7	4.40e-35	MZB1	marginal zone B and B1 cell specifi	2.62	2.88e-03	GNG12	G protein subunit gamma 12
-2.67	1.15e-204	ARHGDIB	Rho GDP dissociation inhibitor beta	2.61	5.56e-01	LMNA	lamin A/C
-2.65	4.81e-30	SASH3	SAM and SH3 domain containing 3	2.6	5.78e-13	ITGAV	integrin subunit alpha V
-2.63	3.82e-33	IRAG2	inositol 1,4,5-triphosphate recepto	2.58	2.45e-05	FKBP9	FKBP prolyl isomerase 9
-2.63	4.34e-199	LCP1	lymphocyte cytosolic protein 1	2.56	7.22e-12	DTD1	D-aminoacyl-tRNA deacylase 1
-2.6	4.07e-48	RUNX1	RUNX family transcription factor 1	2.49	1.11e-01	S100A6	S100 calcium binding protein A6
-2.58	4.81e-37	ERG	ETS transcription factor ERG	2.43	1.58e-06	PON2	paraoxonase 2
-2.55	2.79e-48	FERMT3	FERM domain containing kindlin 3	2.43	2.56e-01	KRT18	keratin 18
-2.54	5.69e-20	LEF1	lymphoid enhancer binding factor 1	2.4	1.24e-05	CTNNB1	catenin beta 1
-2.48	4.40e-35	ARHGAP45	Rho GTPase activating protein 45	2.4	2.43e-09	MYO1C	myosin IC
-2.46	2.80e-28	INPP5D	inositol polyphosphate-5-phosphatas	2.38	4.39e-08	ITGA3	integrin subunit alpha 3
-2.46	4.24e-97	ADA	adenosine deaminase	2.34	4.43e-17	LAMC1	laminin subunit gamma 1
-2.45	1.02e-24	IKZF1	IKAROS family zinc finger 1	2.33	1.62e-14	ALDH2	aldehyde dehydrogenase 2 family mem
-2.43	1.23e-21	TCF3	transcription factor 3	2.31	7.27e-05	CAPN2	calpain 2
-2.42	8.56e-27	APBB1IP	amyloid beta precursor protein bind	2.31	7.72e-06	S100A10	S100 calcium binding protein A10
-2.4	1.85e-21	WAS	WASP actin nucleation promoting fac	2.25	4.29e-06	PLBD2	phospholipase B domain containing 2
-2.38	8.54e-53	CELF2	CUGBP Elav-like family member 2	2.24	3.07e-05	CTSZ	cathepsin Z
-2.34	4.65e-13	LAT2	linker for activation of T cells fa	2.23	2.36e-02	TPM1	tropomyosin 1
-2.32	2.60e-12	CD38	CD38 molecule	2.23	8.08e-05	ATP1B1	ATPase Na <sup>+</sup> /K <sup>+</sup> transporting subunit
-2.32	1.67e-29	DEF6	DEF6 guanine nucleotide exchange fa	2.23	1.81e-30	AHSG	alpha 2-HS glycoprotein
-2.31	6.10e-12	DOK3	docking protein 3	2.2	1.31e-18	BAIAP2	BAR/IMD domain containing adaptor p
-2.31	1.71e-12	SEPTIN1	septin 1	2.19	1.50e-14	EPHX1	epoxide hydrolase 1
-2.31	3.97e-24	HCLS1	hematopoietic cell-specific Lyn sub	2.19	1.96e-18	CFL2	cofilin 2
-2.3	1.39e-15	STK38	serine/threonine kinase 38	2.17	1.55e-19	GOLGA5	golgin A5

## GAGE analysis on upregulated and downregulated proteins at low/absent DNTT protein, DB1

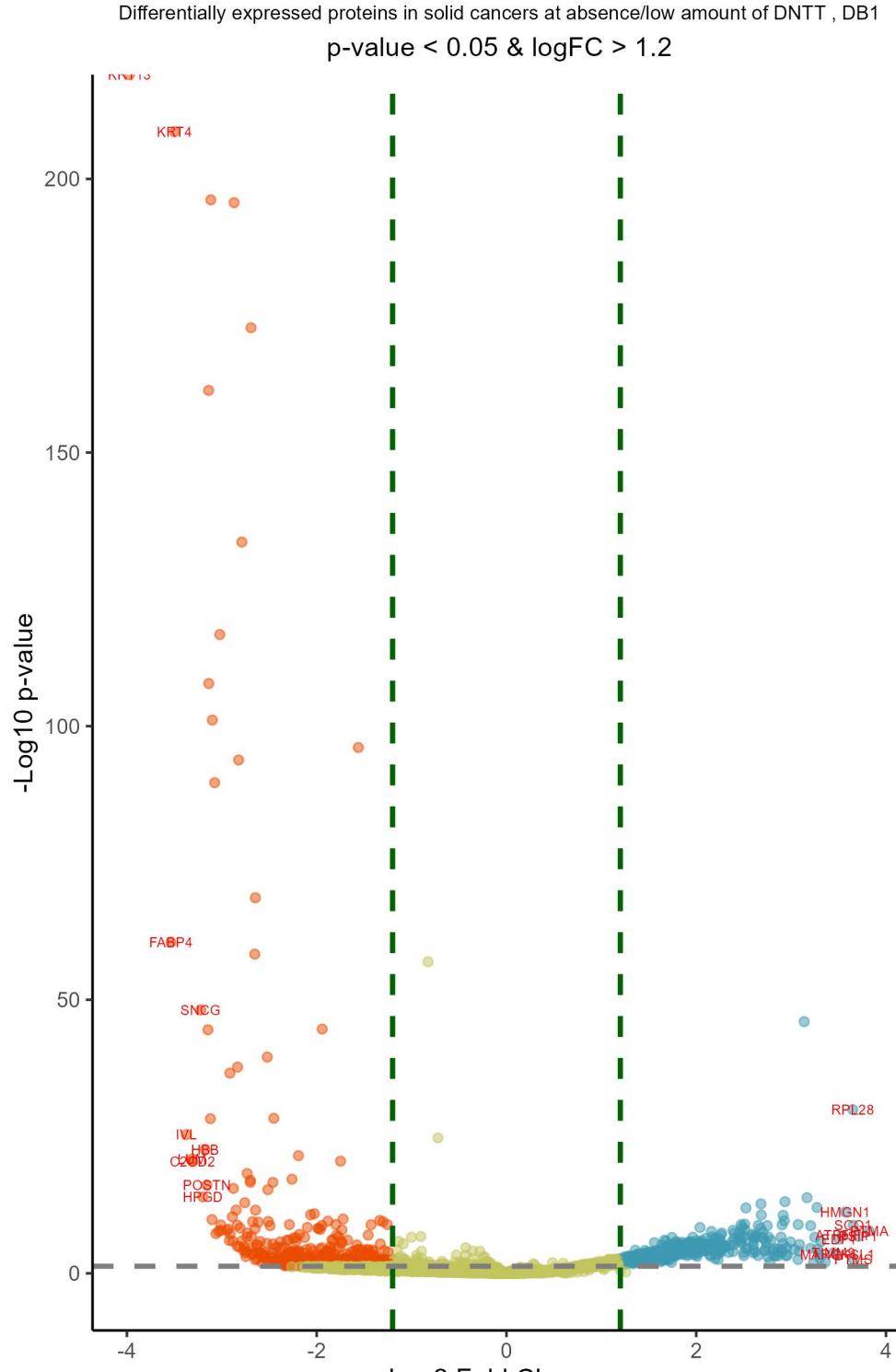


p-value &lt; 0.05 &amp; logFC &gt; 1.2

Downregulated in blood cancers at low/absent DNNT Upregulated in blood cancers at low/absent DNNT



logFC	adj.P.Val	symbol	name	logFC	adj.P.Val	symbol	name
-2.63	2.46e-19	IGLL1	immunoglobulin lambda like polypept	2.61	7.51e-11	DTD1	D-aminoacyl-tRNA deacylase 1
-2.56	3.32e-18	ERG	ETS transcription factor ERG	2.3	6.84e-09	CTSZ	cathepsin Z
-2.24	2.80e-18	LGALS3BP	galectin 3 binding protein	1.98	1.50e-01	VAMP8	vesicle associated membrane protein
-2.24	2.22e-08	CSRP2	cysteine and glycine rich protein 2	1.85	3.05e-03	SAMHD1	SAM and HD domain containing deoxyn
-2.15	6.42e-15	LEF1	lymphoid enhancer binding factor 1	1.83	5.16e-07	LACTB2	lactamase beta 2
-2.11	8.03e-14	AKAP12	A-kinase anchoring protein 12	1.8	1.10e-15	NCEH1	neutral cholesterol ester hydrolase
-2.09	4.03e-10	TCL1A	TCL1 family AKT coactivator A	1.78	1.06e-16	ATP6V0A1	ATPase H <sup>+</sup> transporting V0 subunit a
-2.06	5.52e-10	PTK7	protein tyrosine kinase 7 (inactive)	1.76	7.58e-04	BASP1	brain abundant membrane attached si
-2.06	1.89e-06	CD9	CD9 molecule	1.76	3.34e-01	LMNA	lamin A/C
-2	7.46e-10	FHL1	four and a half LIM domains 1	1.69	3.86e-05	TES	testin LIM domain protein
-1.99	1.25e-10	STK38	serine/threonine kinase 38	1.61	1.13e-02	MVP	major vault protein
-1.93	3.91e-04	VAMP5	vesicle associated membrane protein	1.61	3.33e-01	PTPRC	protein tyrosine phosphatase recept
-1.92	1.98e-23	DDAH2	dimethylarginine dimethylaminohydro	1.57	1.08e-05	IKZF3	IKAROS family zinc finger 3
-1.83	3.92e-06	MYLK	myosin light chain kinase	1.57	3.07e-05	PDLIM5	PDZ and LIM domain 5
-1.82	2.88e-10	ITGA5	integrin subunit alpha 5	1.56	3.03e-01	LSP1	lymphocyte specific protein 1
-1.79	4.14e-07	PTK2	protein tyrosine kinase 2	1.55	7.67e-04	PLBD2	phospholipase B domain containing 2
-1.78	4.91e-04	S100A13	S100 calcium binding protein A13	1.51	9.04e-06	FHOD1	formin homology 2 domain containing
-1.78	1.16e-03	DAGLB	diacylglycerol lipase beta	1.5	1.20e-03	ABHD11	abhydrolase domain containing 11
-1.77	8.64e-09	MEF2C	myocyte enhancer factor 2C	1.49	3.52e-06	PLEK	pleckstrin
-1.76	6.69e-07	MME	membrane metalloendopeptidase	1.48	7.46e-02	ICAM1	intercellular adhesion molecule 1
-1.72	4.72e-14	TCF3	transcription factor 3	1.47	3.30e-03	SYNGR2	synaptogyrin 2
-1.71	7.58e-04	ABI2	abl interactor 2	1.47	3.80e-02	HSPA4L	heat shock protein family A (Hsp70)
-1.71	9.74e-04	ENG	endoglin	1.43	1.48e-02	COMM8	COMM domain containing 8
-1.7	1.07e-14	FSCN1	fascin actin-bundling protein 1	1.43	2.31e-01	UBLCP1	ubiquitin like domain containing CT
-1.69	3.56e-15	RUNX1	RUNX family transcription factor 1	1.43	1.48e-07	LGALS3	galectin 3
-1.68	2.08e-11	GINS1	GINS complex subunit 1	1.39	1.22e-03	ALCAM	activated leukocyte cell adhesion m
-1.68	9.53e-04	CBX2	chromobox 2	1.37	3.58e-05	CTTN	cortactin
-1.66	1.85e-13	SCML2	Scm polycomb group protein like 2	1.35	2.84e-11	RGS14	regulator of G protein signaling 14
-1.64	9.17e-04	UBASH3B	ubiquitin associated and SH3 domain	1.34	1.34e-02	TMCO1	transmembrane and coiled-coil domai



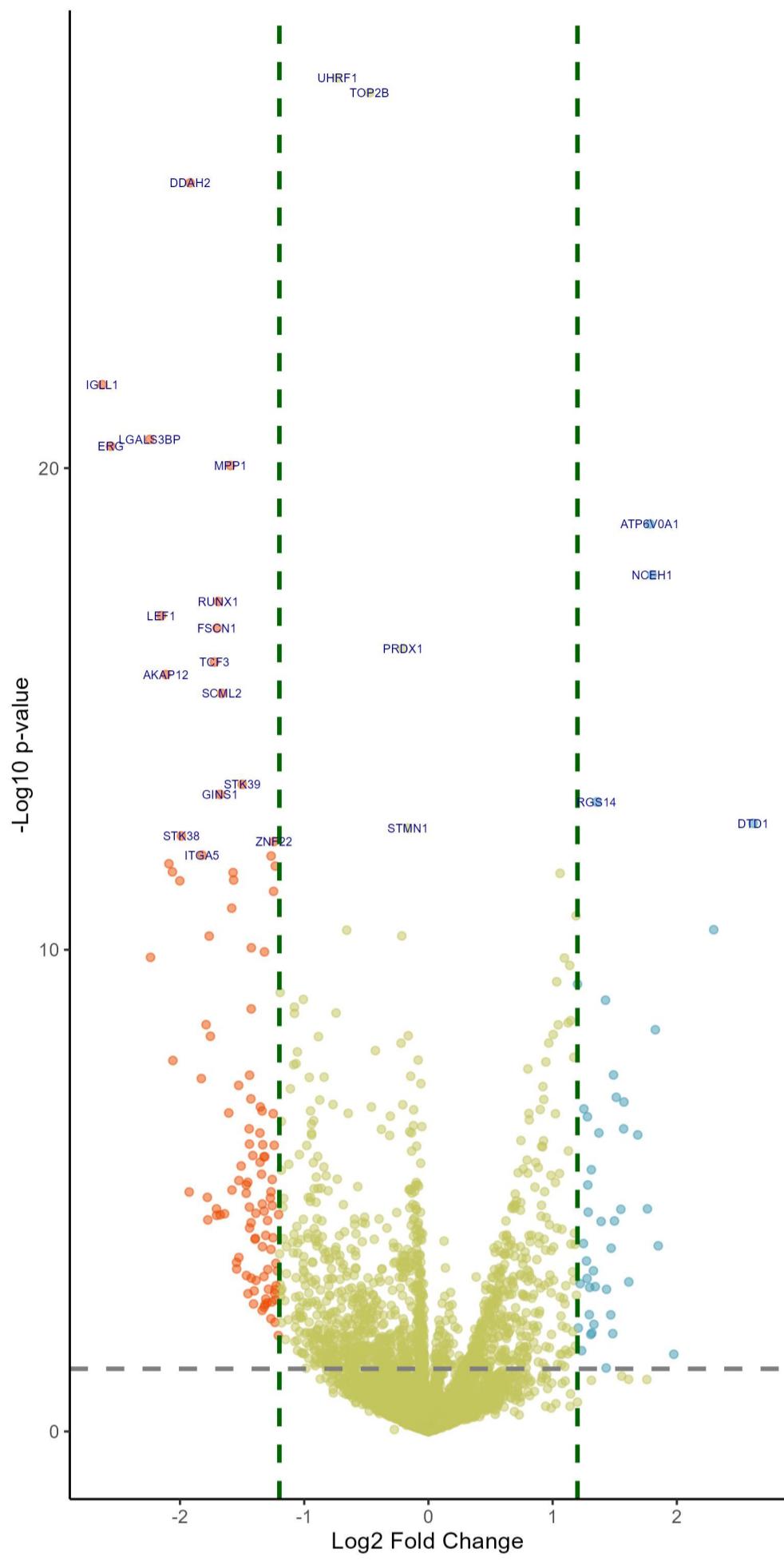
Downregulated in solid cancers at low/absent DNNT Upregulated in solid cancers at low/absent DNNT

logFC	adj.P.Val	symbol	name	logFC	adj.P.Val	symbol	name
-3.97	0.00e+00	KRT13	keratin 13	3.82	1.21e-06	PTMA	prothymosin alpha
-3.54	1.27e-58	FABP4	fatty acid binding protein 4	3.71	9.30e-06	PSIP1	PC4 and SFRS1 interacting protein 1
-3.5	7.88e-206	KRT4	keratin 4	3.66	3.09e-02	PTMS	parathymosin
-3.37	1.02e-23	IVL	involucrin	3.65	1.45e-07	SCO1	synthesis of cytochrome C oxidase 1
-3.31	2.59e-19	LUM	lumican	3.65	3.13e-28	RPL28	ribosomal protein L28
-3.31	7.06e-19	C2CD2	C2 calcium dependent domain contain	3.57	7.56e-10	HMGN1	high mobility group nucleosome bind
-3.22	2.53e-46	SNCG	synuclein gamma	3.54	6.56e-06	ATP5IF1	ATP synthase inhibitory factor subu
-3.2	1.62e-12	HPGD	15-hydroxyprostaglandin dehydrogena	3.51	2.48e-05	EDF1	endothelial differentiation related
-3.18	5.09e-21	HBB	hemoglobin subunit beta	3.49	6.26e-03	MARCKSL1	MARCKS like 1
-3.16	1.20e-14	POSTN	periostin	3.45	3.07e-03	TIMM9	translocase of inner mitochondrial
-3.15	9.34e-43	DHRS2	dehydrogenase/reductase 2	3.36	7.74e-02	PTBP2	polypyrimidine tract binding protei
-3.14	4.88e-159	H3-7	H3.7 histone (putative)	3.31	6.32e-05	ADRM1	ADRM1 26S proteasome ubiquitin rece
-3.14	1.20e-105	S100P	S100 calcium binding protein P	3.3	2.18e-02	ACAA2	acetyl-CoA acyltransferase 2
-3.12	1.28e-26	CAPS	calcyphosine	3.3	6.02e-03	BAG2	BAG cochaperone 2
-3.12	1.48e-193	KRT85	keratin 85	3.28	9.80e-04	PFDN1	prefoldin subunit 1
-3.1	1.65e-08	VILL	villin like	3.27	1.26e-10	ATP6V1E1	ATPase H <sup>+</sup> transporting V1 subunit E
-3.1	4.70e-99	PTGES	prostaglandin E synthase	3.25	1.30e-05	RPS27	ribosomal protein S27
-3.08	1.01e-87	TRIM29	tripartite motif containing 29	3.24	9.31e-02	MSN	moesin
-3.06	3.44e-06	LY6D	lymphocyte antigen 6 family member	3.21	1.59e-07	MORF4L2	mortality factor 4 like 2
-3.03	1.39e-06	MUC20	mucin 20, cell surface associated	3.2	6.89e-04	ALDH7A1	aldehyde dehydrogenase 7 family mem
-3.02	1.50e-114	LCP1	lymphocyte cytosolic protein 1	3.17	2.17e-12	ZRANB2	zinc finger RANBP2-type containing
-3.01	1.23e-07	DUSP9	dual specificity phosphatase 9	3.14	3.32e-44	RPL13A	ribosomal protein L13a
-2.95	9.24e-07	ADGRF1	adhesion G protein-coupled receptor	3.09	1.83e-04	TUBB6	tubulin beta 6 class V
-2.93	6.02e-07	KRT23	keratin 23	3.07	1.14e-07	TRIR	telomerase RNA component interactin
-2.92	4.32e-05	NDRG2	NDRG family member 2	3.07	3.23e-02	TMSB10	thymosin beta 10
-2.91	6.87e-35	CCT6B	chaperonin containing TCP1 subunit	3.03	9.97e-04	RPL36AL	ribosomal protein L36a like
-2.91	3.72e-06	GAN	gigaxonin	2.99	7.09e-05	PGM1	phosphoglucomutase 1
-2.89	5.28e-09	IGFBP3	insulin like growth factor binding	2.96	7.06e-03	PLCH1	phospholipase C eta 1

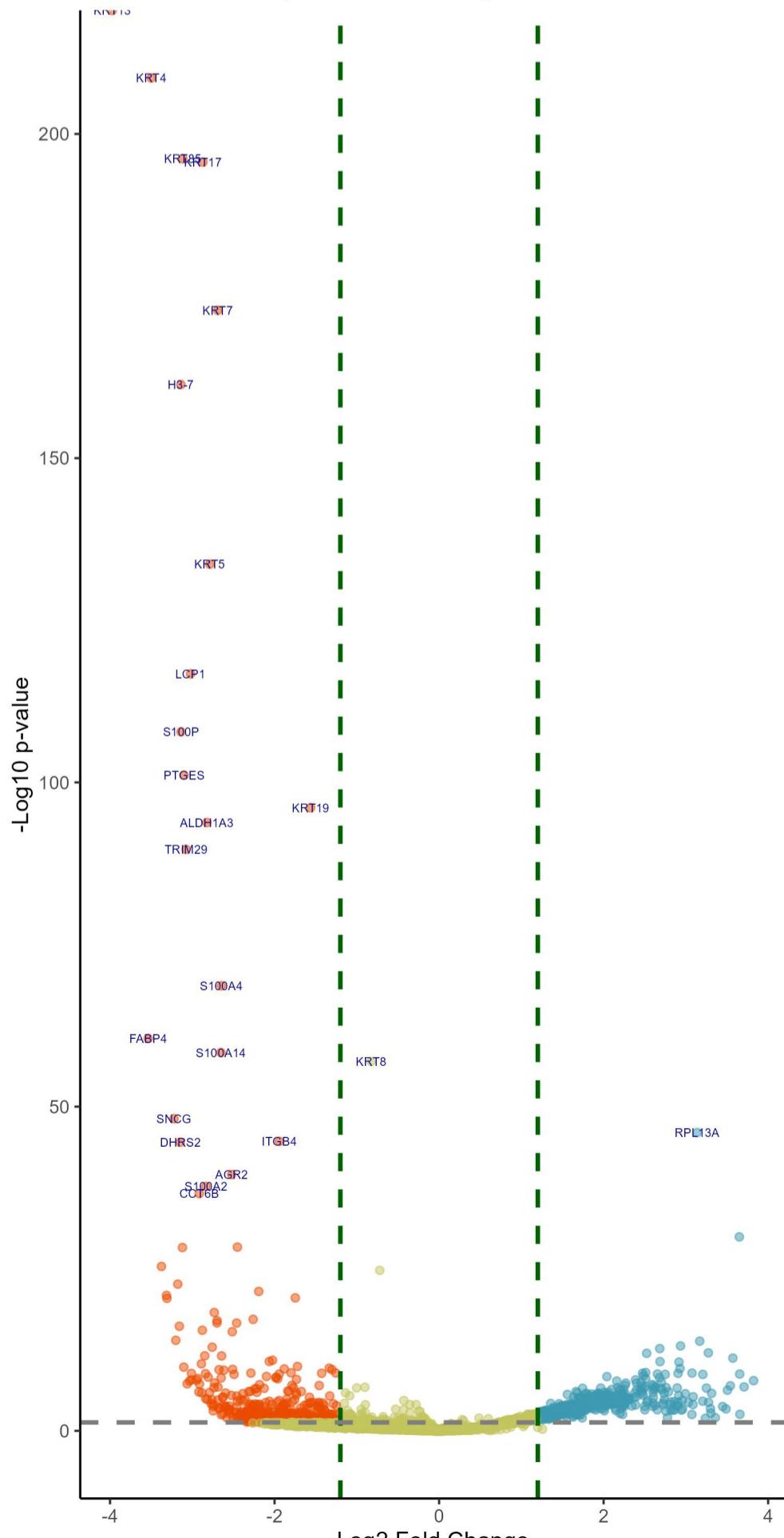
DNNT network, DB1, no Pearson r &gt; 0.3

Differentially expressed proteins in blood cancers at absence/low amount of DNTT , DB1

p-value &lt; 0.05 &amp; logFC &gt; 1.2

Sorted by p values!  
Downregulated in blood cancers at low/absent DNTT Upregulated in blood cancers at low/absent DNTT

logFC	adj.P.Val	symbol	name	logFC	adj.P.Val	symbol	name
-0.73	2.64e-25	UHRF1	ubiquitin like with PHD and ring fi	1.78	1.06e-16	ATP6V0A1	ATPase H <sup>+</sup> transporting V0 subunit a
-0.47	3.57e-25	TOP2B	DNA topoisomerase II beta	1.8	1.10e-15	NCEH1	neutral cholesterol ester hydrolase
-1.92	1.98e-23	DDAH2	dimethylarginine dimethylaminohydro	1.35	2.84e-11	RGS14	regulator of G protein signaling 14
-2.63	2.46e-19	IGLL1	immunoglobulin lambda like polypept	2.61	7.51e-11	DTD1	D-aminoacyl-tRNA deacylase 1
-2.24	2.80e-18	LGALS3BP	galectin 3 binding protein	1.06	5.55e-10	EML2	EMAP like 2
-2.56	3.32e-18	ERG	ETS transcription factor ERG	1.19	3.65e-09	ARSB	arylsulfatase B
-1.59	7.35e-18	MPP1	MAGUK p55 scaffold protein 1	2.3	6.84e-09	CTSZ	cathepsin Z
-1.69	3.56e-15	RUNX1	RUNX family transcription factor 1	1.09	2.24e-08	SIL1	SIL1 nucleotide exchange factor
-2.15	6.42e-15	LEF1	lymphoid enhancer binding factor 1	1.14	3.12e-08	PEG10	paternally expressed 10
-1.7	1.07e-14	FSCN1	fascin actin-bundling protein 1	1.03	6.66e-08	SLC30A1	solute carrier family 30 member 1
-0.21	2.65e-14	PRDX1	peroxiredoxin 1	1.2	7.30e-08	ITGB7	integrin subunit beta 7
-1.72	4.72e-14	TCF3	transcription factor 3	1.43	1.48e-07	LGALS3	galectin 3
-2.11	8.03e-14	AKAP12	A-kinase anchoring protein 12	1.14	3.57e-07	GOLGA5	golgin A5
-1.66	1.85e-13	SCML2	Scm polycomb group protein like 2	1.12	3.89e-07	TYMP	thymidine phosphorylase
-1.5	1.36e-11	STK39	serine/threonine kinase 39	1.05	4.14e-07	AKT1S1	AKT1 substrate 1
-1.68	2.08e-11	GINS1	GINS complex subunit 1	1.83	5.16e-07	LACTB2	lactamase beta 2
-0.17	9.00e-11	STMN1	stathmin 1	1	6.38e-07	LACTB	lactamase beta
-1.99	1.25e-10	STK38	serine/threonine kinase 38	0.97	8.88e-07	ASL	argininosuccinate lyase
-1.24	1.58e-10	ZNF22	zinc finger protein 22	1.17	1.67e-06	PIP4K2C	phosphatidylinositol-5-phosphate 4-
-1.82	2.88e-10	ITGA5	integrin subunit alpha 5	0.95	2.00e-06	HM13	histocompatibility minor 13
-1.27	2.89e-10	MACROD1	mono-ADP ribosylhydrolase 1	0.8	2.67e-06	ATP2C1	ATPase secretory pathway Ca <sup>2+</sup> trans
-2.09	4.03e-10	TCL1A	TCL1 family AKT coactivator A	1.49	3.52e-06	PLEK	pleckstrin
-1.23	4.34e-10	SPIN1	spindlin 1	0.92	5.55e-06	GPAA1	glycosylphosphatidylinositol anchor
-2.06	5.52e-10	PTK7	protein tyrosine kinase 7 (inactive)	1.51	9.04e-06	FHOD1	formin homology 2 domain containing
-1.57	5.52e-10	BRD3	bromodomain containing 3	0.93	9.81e-06	DUSP23	dual specificity phosphatase 23
-1.57	7.43e-10	BCR	BCR activator of RhoGEF and GTPase	1.57	1.08e-05	IKZF3	IKAROS family zinc finger 3
-2	7.46e-10	FHL1	four and a half LIM domains 1	1.25	1.42e-05	MAP4K1	mitogen-activated protein kinase ki
-1.25	1.20e-09	SPN	sialophorin	0.9	1.45e-05	LSR	lipolysis stimulated lipoprotein re
-1.58	2.60e-09	RBM15B	RNA binding motif protein 15B	0.81	1.63e-05	MYO5A	myosin VA
-0.66	6.84e-09	MYO18A	myosin XVIIIA	1.02	1.63e-05	CD40	CD40 molecule
-0.21	8.64e-09	NUMA1	nuclear mitotic apparatus protein 1	1.28	1.86e-05	SCRN1	secernin 1
-1.77	8.64e-09	MEF2C	myocyte enhancer factor 2C	0.81	2.13e-05	SRXN1	sulfiredoxin 1
-1.43	1.47e-08	TLE4	TLE family member 4, transcriptiona	1.57	3.07e-05	PDLIM5	PDZ and LIM domain 5
-1.32	1.75e-08	ACTN1	actinin alpha 1	1.37	3.58e-05	CTTN	cortactin
-2.24	2.22e-08	CSRP2	cysteine and glycine rich protein 2	1.69	3.86e-05	TES	testin LIM domain protein
-1.19	1.06e-07	HIRIP3	HIRA interacting protein 3	0.74	4.93e-05	RELB	RELB proto-oncogene, NF-κB subunit
-1.01	1.46e-07	ADA	adenosine deaminase	0.93	4.96e-05	TMF1	TATA element modulatory factor 1
-1.08	2.02e-07	MSI2	musashi RNA binding protein 2	0.91	6.16e-05	PARP4	poly(ADP-ribose) polymerase family
1.13	2.16e-07	GTSE1	G2 and S phase expressed 1	0.92	6.25e-05	CD37	CD37 molecule

Differentially expressed proteins in solid cancers at absence/low amount of DNTT , DB1  
p-value < 0.05 & logFC > 1.2Sorted by p values!  
Downregulated in solid cancers at low/absent DNTT Upregulated in solid cancers at low/absent DNTT

logFC	adj.P.Val	symbol	name	logFC	adj.P.Val	symbol	name
-3.97	0.00e+00	KRT13	keratin 13	3.14	3.32e-44	RPL13A	ribosomal protein L13a
-3.5	7.88e-206	KRT4	keratin 4	3.65	3.13e-28	RPL28	ribosomal protein L28
-3.12	1.48e-193	KRT85	keratin 85	3.17	2.17e-12	ZRANB2	zinc finger RANBP2-type containing
-2.87	3.62e-193	KRT17	keratin 17	2.94	1.17e-11	HMGN2	high mobility group nucleosomal bin
-2.69	2.11e-170	KRT7	keratin 7	2.68	2.82e-11	SRSF2	serine and arginine rich splicing f
-3.14	4.88e-159	H3-7	H3.7 histone (putative)	3.27	1.26e-10	ATP6V1E1	ATPase H <sup>+</sup> transporting V1 subunit E
-2.79	2.12e-131	KRT5	keratin 5	2.52	1.46e-10	CDKN2AIP	CDKN2A interacting protein
-3.02	1.50e-114	LCP1	lymphocyte cytosolic protein 1	3.57	7.56e-10	HMGN1	high mobility group nucleosome bind
-3.14	1.20e-105	S100P	S100 calcium binding protein P	2.69	2.49e-09	RRP8	ribosomal RNA processing 8
-3.1	4.70e-99	PTGES	prostaglandin E synthase	2.92	2.89e-09	RPL26	ribosomal protein L26
-1.56	4.49e-94	KRT19	keratin 19	2.93	2.65e-08	RBX1	ring-box 1
-2.82	7.90e-92	ALDH1A3	aldehyde dehydrogenase 1 family mem	2.51	9.95e-08	TIMM10B	translocase of inner mitochondrial
-3.08	1.01e-87	TRIM29	tripartite motif containing 29	3.07	1.14e-07	TRIR	telomerase RNA component interactin
-2.65	1.03e-66	S100A4	S100 calcium binding protein A4	2.47	1.17e-07	CTR9	CTR9 homolog, Paf1/RNA polymerase I
-3.54	1.27e-58	FABP4	fatty acid binding protein 4	2.91	1.21e-07	NOP10	NOP10 ribonucleoprotein
-2.65	1.81e-56	S100A14	S100 calcium binding protein A14	2.65	1.45e-07	ATP6V1H	ATPase H <sup>+</sup> transporting V1 subunit H
-0.83	4.08e-55	KRT8	keratin 8	3.65	1.45e-07	SCO1	synthesis of cytochrome C oxidase 1
-3.22	2.53e-46	SNCG	synuclein gamma	2.75	1.58e-07	AHSG	alpha 2-HS glycoprotein
-1.94	7.22e-43	ITGB4	integrin subunit beta 4	3.21	1.59e-07	MORF4L2	mortality factor 4 like 2
-3.15	9.34e-43	DHRS2	dehydrogenase/reductase 2	2.49	2.39e-07	NAA10	N-alpha-acetyltransferase 10, NatA
-2.52	8.68e-38	AGR2	anterior gradient 2, protein disulp	2.04	3.32e-07	NOM1	nucleolar protein with MIF4G domain
-2.83	5.62e-36	S100A2	S100 calcium binding protein A2	2.68	4.70e-07	RBMLX1	RBMLX like 1
-2.91	6.87e-35	CCT6B	chaperonin containing TCP1 subunit	2.51	6.51e-07	GATB	glutamyl-tRNA amidotransferase subu
-2.45	1.13e-26	TACSTD2	tumor associated calcium signal tra	2.39	9.38e-07	NUCD1	NudC domain containing 1
-3.12	1.28e-26	CAPS	calcypophisne	3.82	1.21e-06	PTMA	prothymosin alpha
-3.37	1.02e-23	IVL	involucrin	2.16	1.39e-06	DHX37	DEAH-box helicase 37
-0.72	3.91e-23	KRT18	keratin 18	2.7	2.01e-06	KRT9	keratin 9
-3.18	5.09e-21	HBB	hemoglobin subunit beta	2.45	2.14e-06	SPIN1	spindlin 1
-2.19	6.52e-20	RAB11B	RAB11B, member RAS oncogene family	2.4	2.72e-06	TSR1	TSR1 ribosome maturation factor
-3.31	2.59e-19	LUM	lumican	2.27	2.74e-06	POLR1F	RNA polymerase I subunit F
-1.75	6.06e-19	EPPK1	epiplakin 1	2.59	4.33e-06	COPS3	COP9 signalosome subunit 3
-3.31	7.06e-19	C2CD2	C2 calcium dependent domain contain	2.26	5.85e-06	DHX33	DEAH-box helicase 33
-2.73	1.04e-16	MAOA	monoamine oxidase A	3.54	6.56e-06	ATP5IF1	ATP synthase inhibitory factor subu
-2.26	1.14e-15	EVPL	envoplakin	2.6	6.70		

Insufficient number of paired observations in DB1 for DNTT

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No information on Ser/Thr kinase phosphorylation sites for DNTT

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