

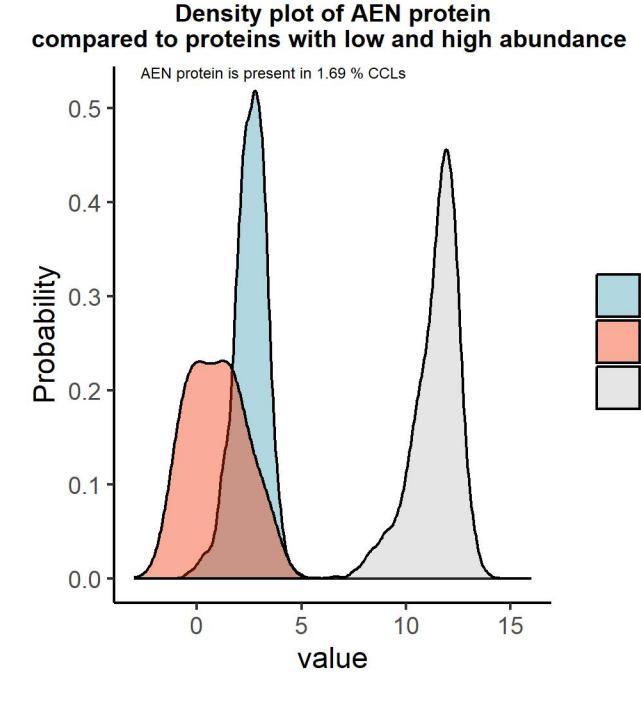
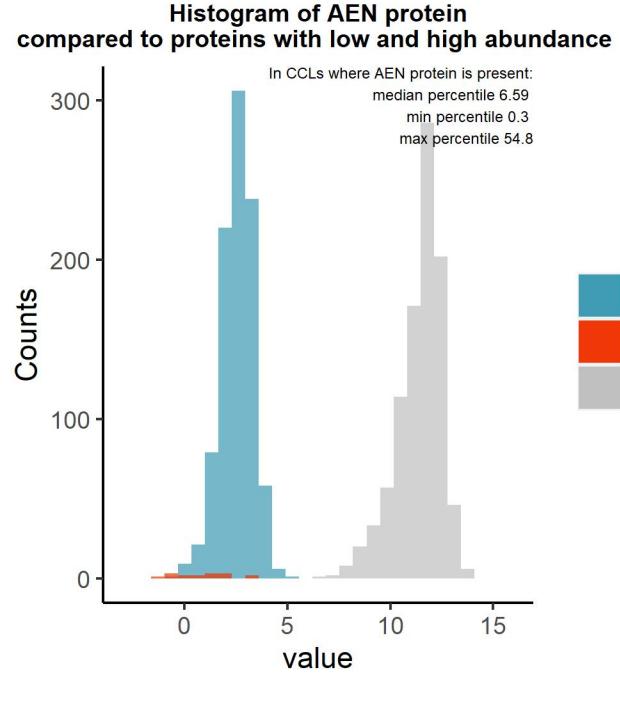
AEN

Protein name: AEN ; UNIPROT: Q8WTP8 ; Gene name: apoptosis enhancing nuclease

Ligandable: NA ; Ligandable_by_Chem: NA ; Is_enzyme: Yes (<https://cansar.ai/>)

Sanger Institute Protein Database 2 (DB2), protein presence is less certain

8498 proteins in same 949 CCLs

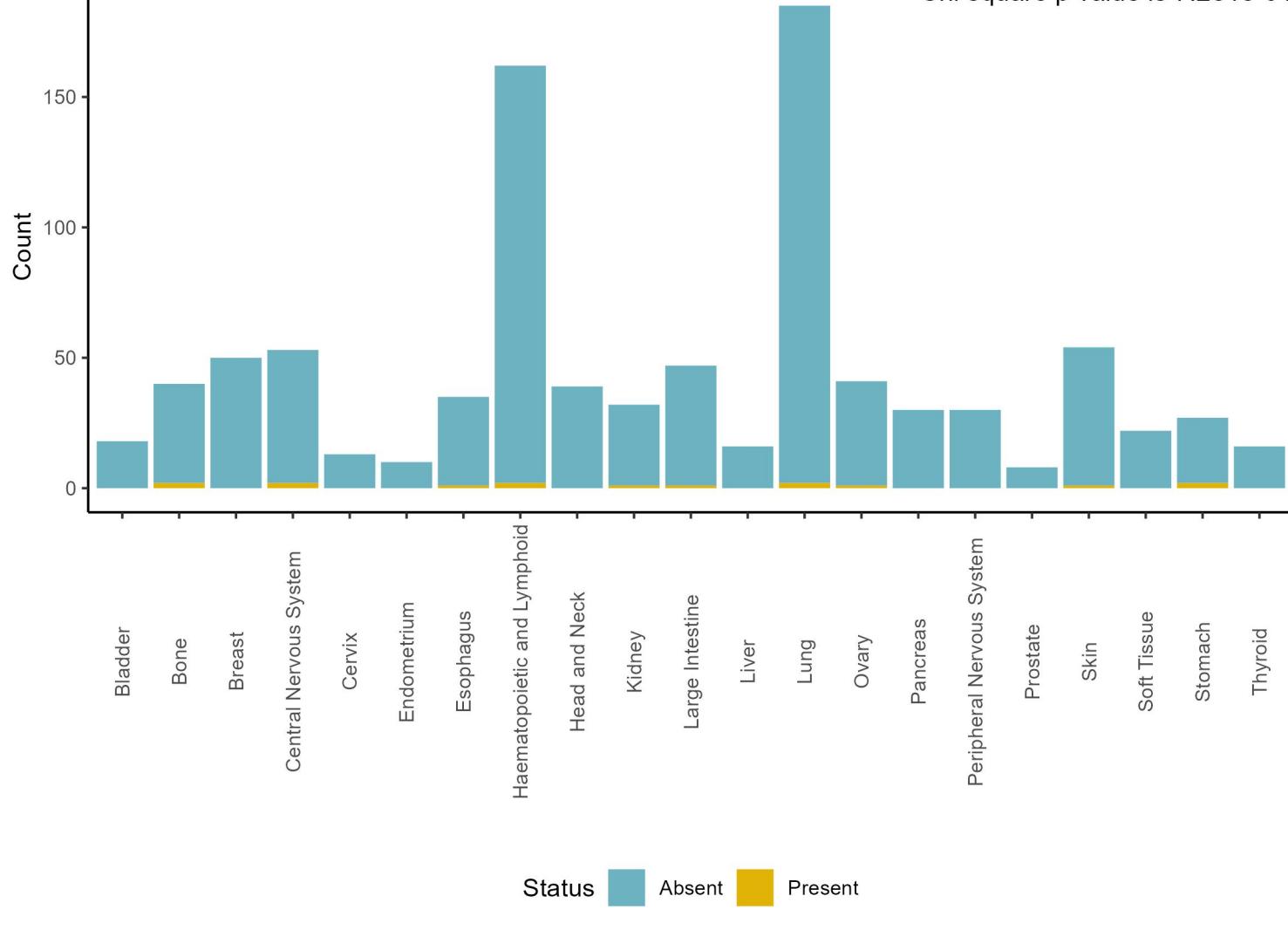


Amount of AEN protein, number of CCLEs where it is present by tissue, DBZ



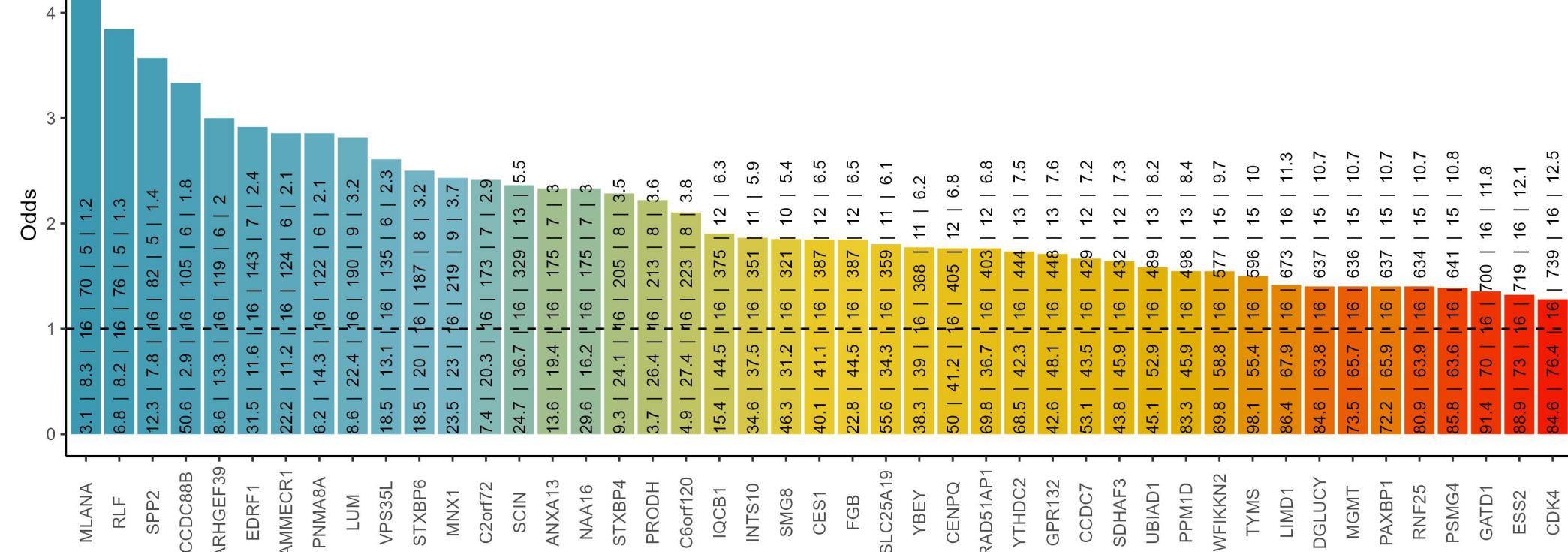
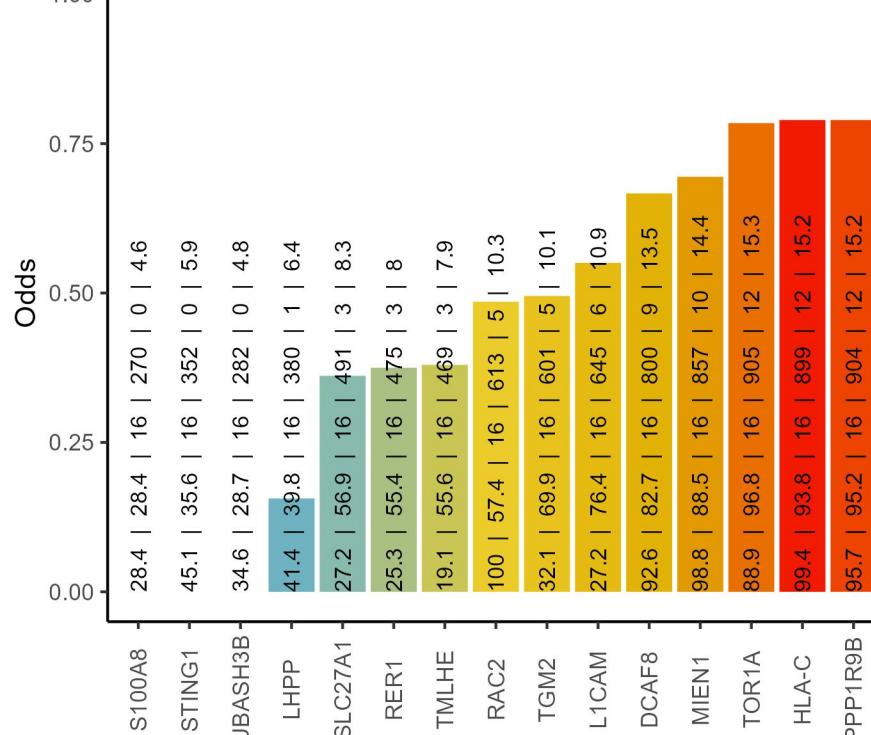
Present and absent AEN protein counts by tissue, DBZ

www.ijerph.com

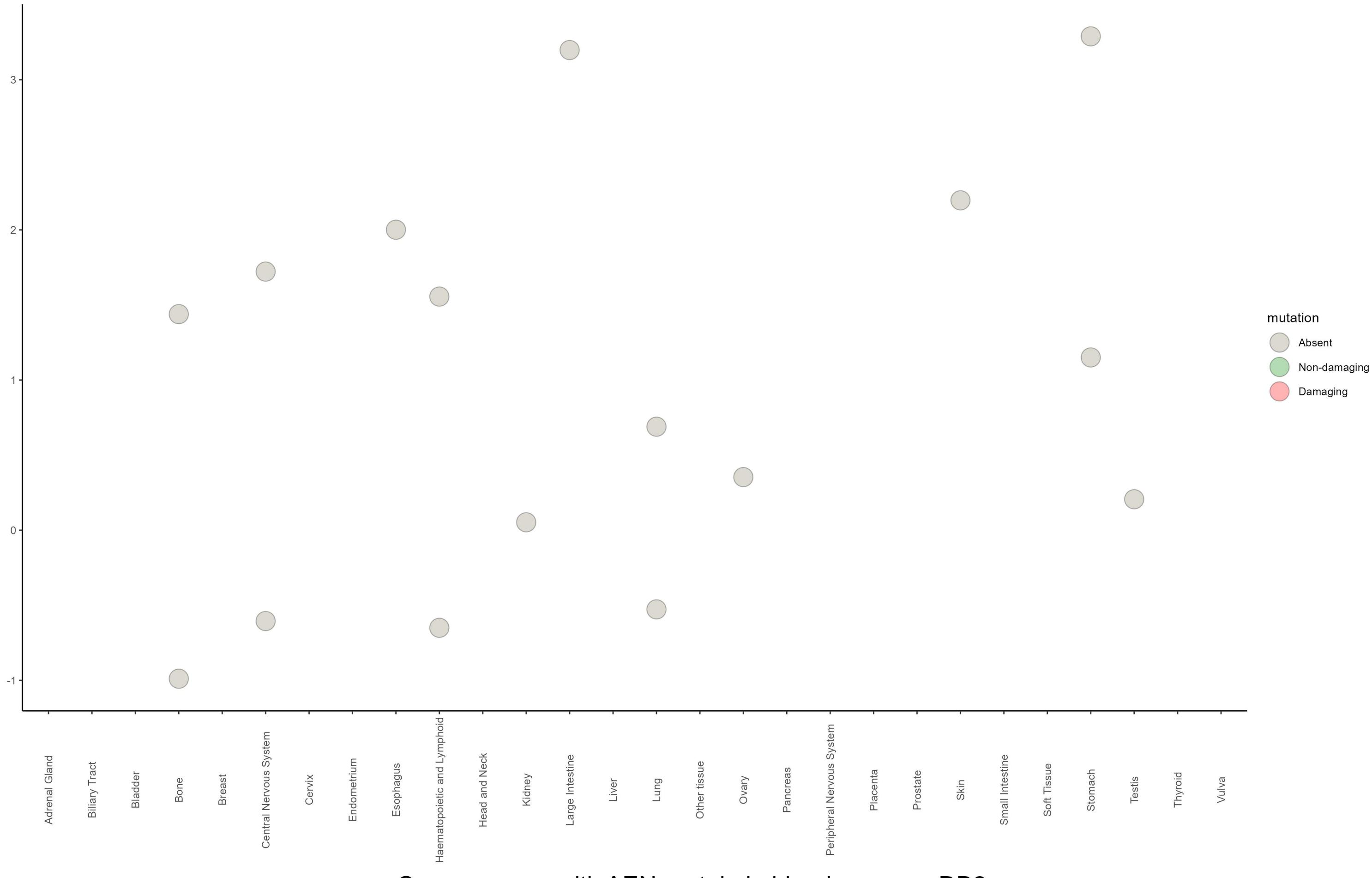


AEN in blood cancers: 1.2 ; % of AEN in solid cancers

f Protein 2 in solid cancers | incidence of AEN | incidence of Protein

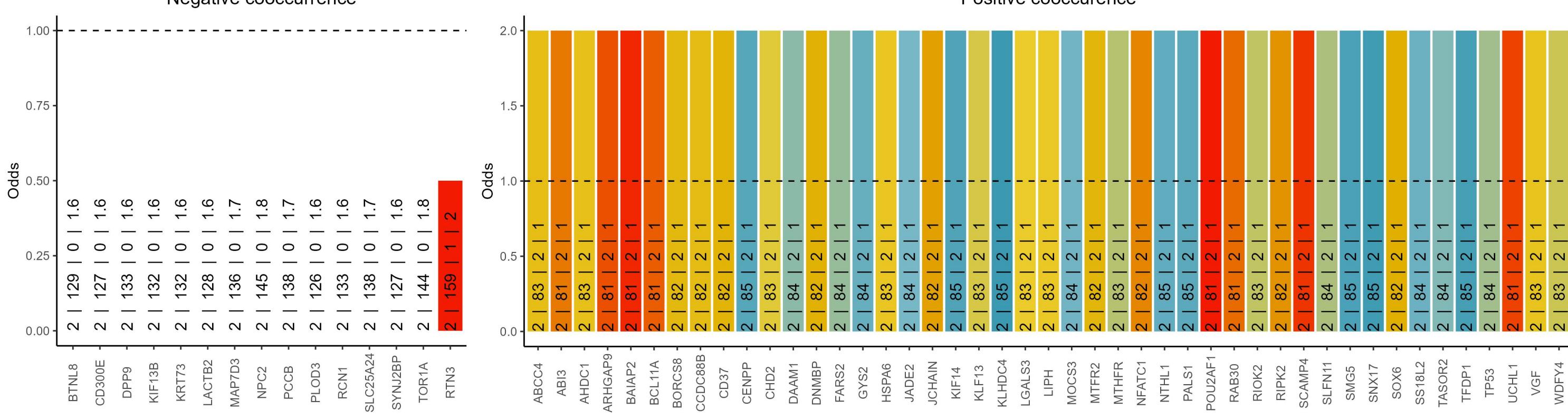


Amount of AEN protein and mutation status by tissue, DB2



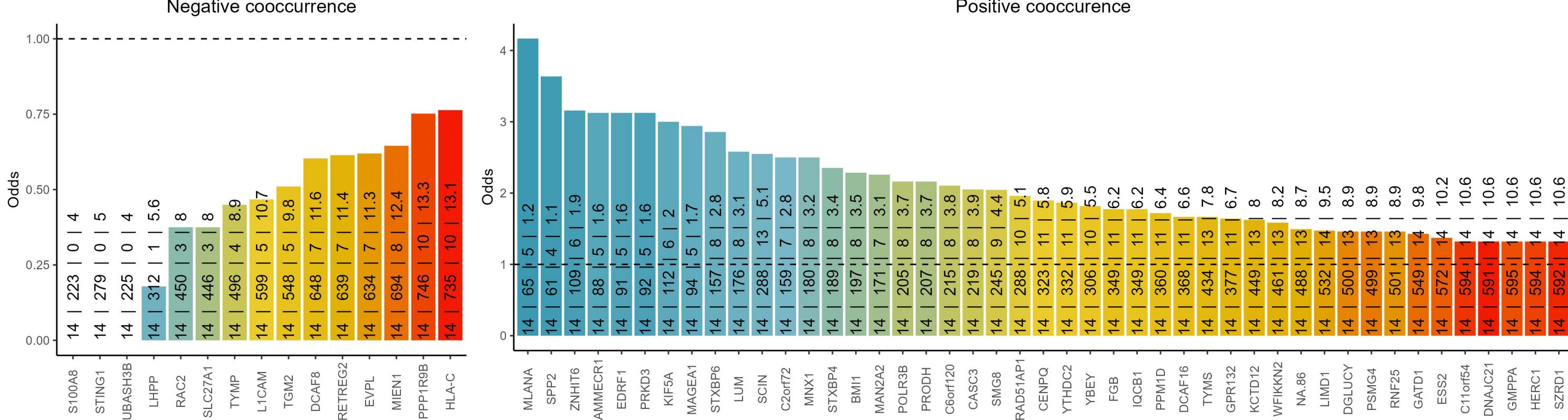
Cooccurrence with AEN protein in blood cancers, DB2

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

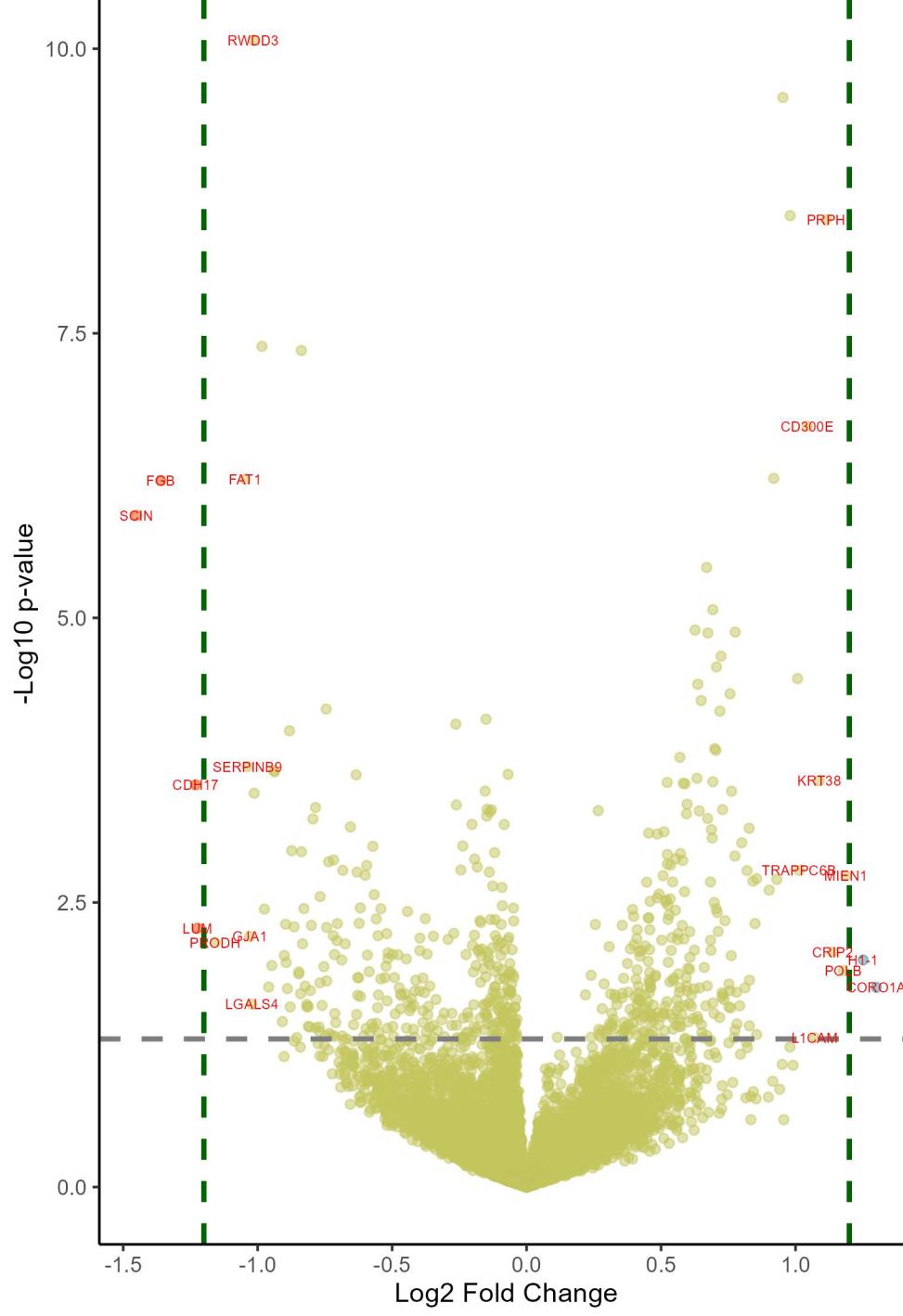


Cooccurrence with AEN protein in solid cancers, DB2

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

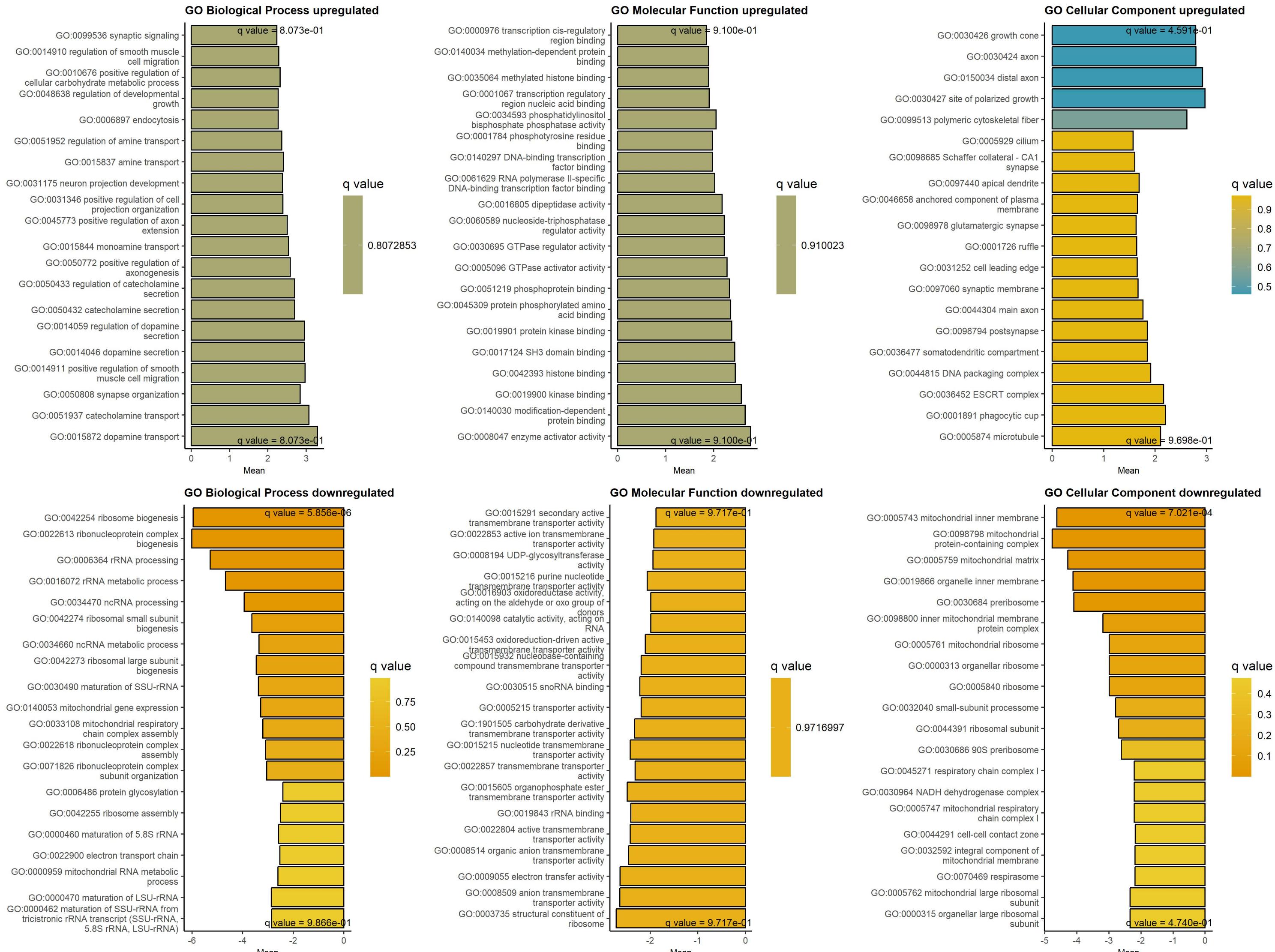


Downregulated at low/absent AEN Upregulated at low/absent AEN



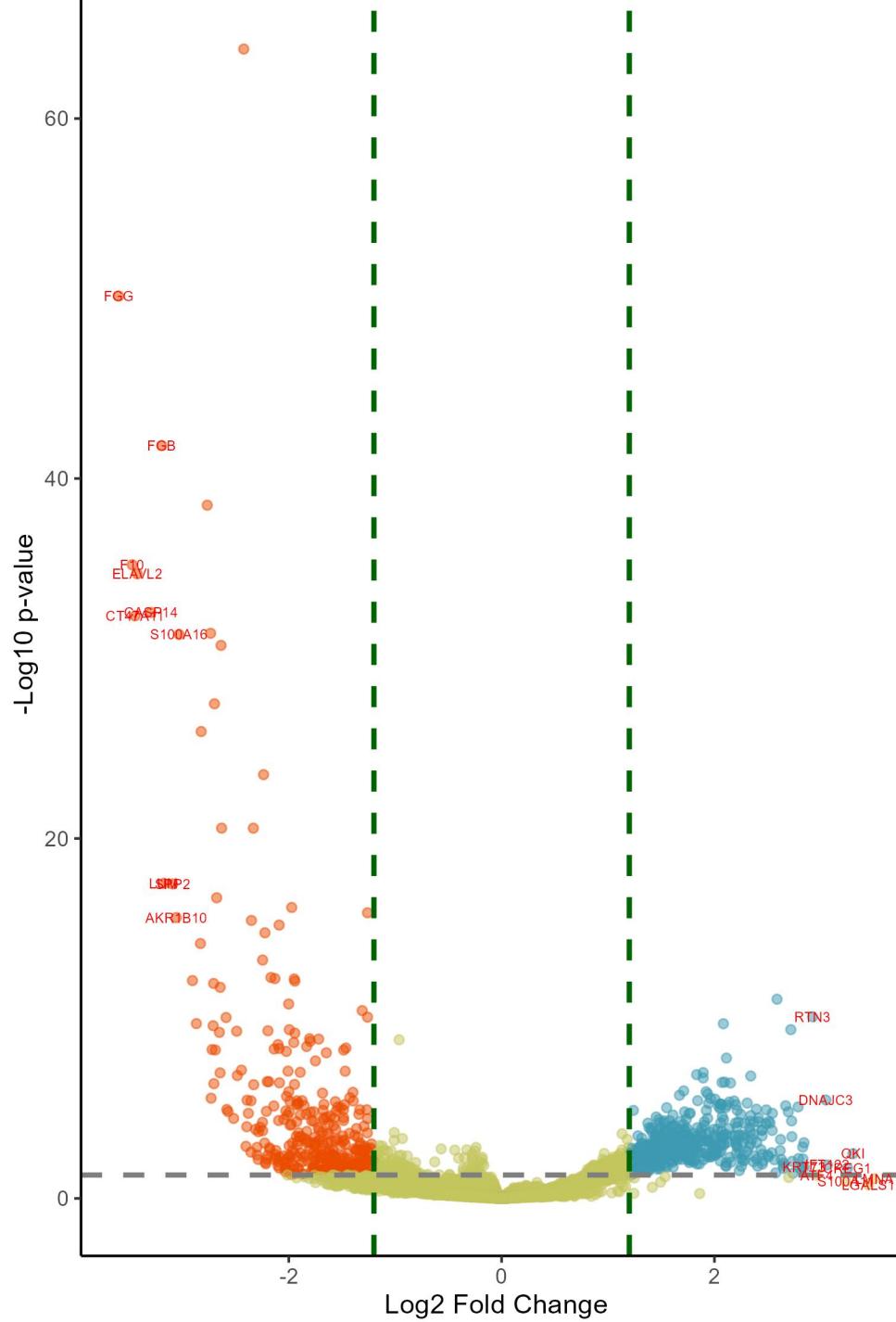
logFC	adj.P.Val	symbol	name	logFC	adj.P.Val	symbol	name
-1.45	8.77e-04	SCIN	scinderin	1.3	5.05e-01	CORO1A	coronin 1A
-1.36	4.73e-04	FGB	fibrinogen beta chain	1.25	3.87e-01	H1-1	H1.1 linker histone, cluster member
-1.23	5.69e-02	CDH17	cadherin 17	1.19	1.62e-01	MIEN1	migration and invasion enhancer 1
-1.22	2.95e-01	LUM	lumican	1.18	4.41e-01	POLB	DNA polymerase beta
-1.16	3.36e-01	PRODH	proline dehydrogenase 1	1.14	3.61e-01	CRIP2	cysteine rich protein 2
-1.05	4.73e-04	FAT1	FAT atypical cadherin 1	1.11	5.32e-06	PRPH	peripherin
-1.04	5.30e-02	SERPINB9	serpin family B member 9	1.09	5.69e-02	KRT38	keratin 38
-1.03	3.21e-01	GJA1	gap junction protein alpha 1	1.07	7.19e-01	L1CAM	L1 cell adhesion molecule
-1.02	5.77e-01	LGALS4	galectin 4	1.04	2.17e-04	CD300E	CD300e molecule
-1.02	3.51e-07	RWDD3	RWD domain containing 3	1.01	1.54e-01	TRAPPCE	trafficking protein particle comple
-1.01	6.31e-02	KCTD12	potassium channel tetramerization d	1.01	1.43e-02	NRGN	neurogranin
-0.98	5.35e-05	COX8A	cytochrome c oxidase subunit 8A	0.99	8.29e-01	ARHGDIB	Rho GDP dissociation inhibitor beta
-0.98	2.48e-01	SHQ1	SHQ1, H/ACA ribonucleoprotein assem	0.98	5.32e-06	STING1	stimulator of interferon response c
-0.96	5.05e-01	E2F4	E2F transcription factor 4	0.98	7.73e-01	NAPRT	nicotinate phosphoribosyltransferas
-0.95	4.16e-01	GHRH	growth hormone releasing hormone	0.96	9.91e-01	FSCN1	fascin actin-bundling protein 1
-0.94	5.54e-02	HMOX1	heme oxygenase 1	0.95	7.48e-07	LHPP	phospholysine phosphohistidine inor
-0.94	5.54e-02	SLC29A1	solute carrier family 29 member 1 (0.95	8.29e-01	PDCD4	programmed cell death 4
-0.91	6.53e-01	CES2	carboxylesterase 2	0.94	9.11e-01	CSPG4	chondroitin sulfate proteoglycan 4
-0.9	8.11e-01	ANXA13	annexin A13	0.93	1.72e-01	STK3	serine/threonine kinase 3
-0.9	3.66e-01	CCDC7	coiled-coil domain containing 7	0.92	4.73e-04	SNCG	synuclein gamma
-0.9	2.85e-01	YTHDC2	YTH domain containing 2	0.92	8.86e-01	RAC2	Rac family small GTPase 2
-0.89	4.00e-01	CAPN5	calpain 5	0.9	1.98e-01	KRT85	keratin 85
-0.89	5.09e-01	WNT9A	Wnt family member 9A	0.9	9.49e-01	MAP1B	microtubule associated protein 1B
-0.88	2.93e-02	GTPBP8	GTP binding protein 8 (putative)	0.86	1.70e-01	UBAC1	UBA domain containing 1
-0.88	5.77e-01	HBB	hemoglobin subunit beta	0.86	7.12e-01	ANK2	ankyrin 2
-0.87	1.29e-01	WF1KK2	WAP, follistatin/kazal, immunoglobu	0.85	9.54e-01	CRIP1	cysteine rich protein 1
-0.86	2.90e-01	ZNF296	zinc finger protein 296	0.85	2.85e-01	RABGAP1	RAB GTPase activating protein 1
-0.86	7.34e-01	AKR1B10	aldo-keto reductase family 1 member	0.84	9.24e-01	TGM2	transglutaminase 2
-0.85	7.19e-01	C2orf72	chromosome 2 open reading frame 72	0.84	1.74e-01	POLR3F	RNA polymerase III subunit F

GAGE analysis on upregulated and downregulated proteins at low/absent AEN protein, DB2

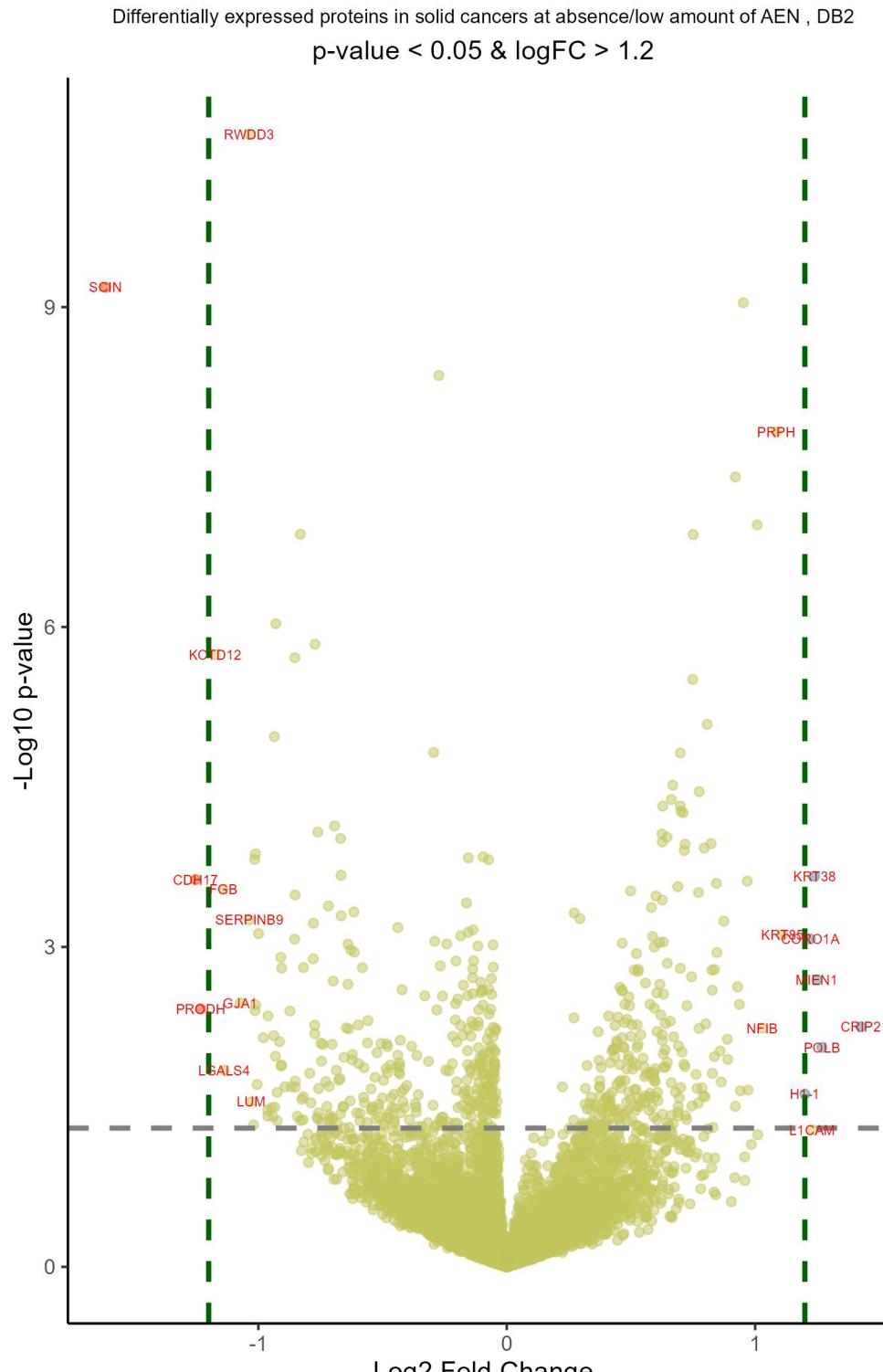


p-value < 0.05 & logFC > 1.2

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



logFC	adj.P.Val	symbol	name	logFC	adj.P.Val	symbol	name
-3.6	3.05e-47	FGG	fibrinogen gamma chain	3.5	4.78e-01	LMNA	lamin A/C
-3.47	8.65e-33	F10	coagulation factor X	3.45	7.60e-01	LGALS1	galectin 1
-3.45	4.00e-30	CT47A11	cancer/testis antigen family 47 mem	3.3	5.29e-02	QKI	QKI, KH domain containing RNA bindi
-3.42	2.38e-32	ELAVL2	ELAV like RNA binding protein 2	3.25	1.85e-01	CREG1	cellular repressor of E1A stimulate
-3.3	2.92e-30	CASP14	caspase 14	3.23	5.87e-01	S100A11	S100 calcium binding protein A11
-3.19	4.19e-39	FGB	fibrinogen beta chain	3.06	1.43e-01	IFT122	intraflagellar transport 122
-3.17	1.44e-15	LUM	lumican	3.05	2.87e-04	DNAJC3	Dnaj heat shock protein family (Hsp
-3.09	1.48e-15	SPP2	secreted phosphoprotein 2	2.96	3.49e-01	ATF4	activating transcription factor 4
-3.06	9.06e-14	AKR1B10	aldo-keto reductase family 1 member	2.92	1.73e-08	RTN3	reticulon 3
-3.03	3.53e-29	S100A16	S100 calcium binding protein A16	2.84	1.74e-01	KRT73	keratin 73
-2.91	2.06e-10	TGM1	transglutaminase 1	2.84	1.90e-02	FAH	fumarylacetoacetate hydrolase
-2.87	3.82e-08	BEX4	brain expressed X-linked 4	2.83	8.57e-02	ANXA4	annexin A4
-2.83	2.13e-12	GCG	glucagon	2.83	2.83e-02	NPC2	NPC intracellular cholesterol trans
-2.82	6.84e-24	CPE	carboxypeptidase E	2.82	1.76e-01	CAPG	capping actin protein, gelsolin lik
-2.77	5.09e-36	ITGA3	integrin subunit alpha 3	2.8	1.96e-01	BTNL8	butyrophilin like 8
-2.73	3.32e-29	TCL1A	TCL1 family AKT coactivator A	2.79	8.25e-02	SLC25A24	solute carrier family 25 member 24
-2.73	2.35e-04	APOD	apolipoprotein D	2.79	5.43e-04	CDYL	chromodomain Y like
-2.72	7.36e-07	FBLN1	fibulin 1	2.74	2.94e-01	PLEKHA4	pleckstrin homology domain containi
-2.71	4.80e-08	CEACAM6	CEA cell adhesion molecule 6	2.73	1.05e-01	RCN1	reticulocalbin 1
-2.71	2.80e-10	MUC13	mucin 13, cell surface associated	2.73	1.06e-02	WASL	WASP like actin nucleation promotin
-2.7	4.19e-05	GDPD3	glycerophosphodiester phosphodiester	2.72	2.26e-03	PLD3	phospholipase D family member 3
-2.7	2.12e-25	KIAA0100	KIAA0100	2.72	7.67e-08	ARL2	ADP ribosylation factor like GTPase
-2.69	7.53e-07	COL14A1	collagen type XIV alpha 1 chain	2.7	4.32e-01	CRACR2B	calcium release activated channel r
-2.68	8.28e-15	FCGBP	Fc gamma binding protein	2.69	8.71e-04	GNA13	G protein subunit alpha 13
-2.65	1.01e-07	AGPAT2	1-acylglycerol-3-phosphate O-acyltr	2.67	4.81e-04	GLB1	galactosidase beta 1
-2.65	1.21e-05	IL17F	interleukin 17F	2.65	1.92e-01	HERC1	HECT and RLD domain containing E3 u
-2.64	4.46e-10	NIBAN3	niban apoptosis regulator 3	2.65	1.22e-01	TSPAN3	tetraspanin 3
-2.64	1.30e-28	CES1	carboxylesterase 1	2.65	1.49e-01	ANXA1	annexin A1
-2.63	1.32e-18	P4HA2	prolyl 4-hydroxylase subunit alpha	2.63	8.98e-02	MAPK15	mitogen-activated protein kinase 15

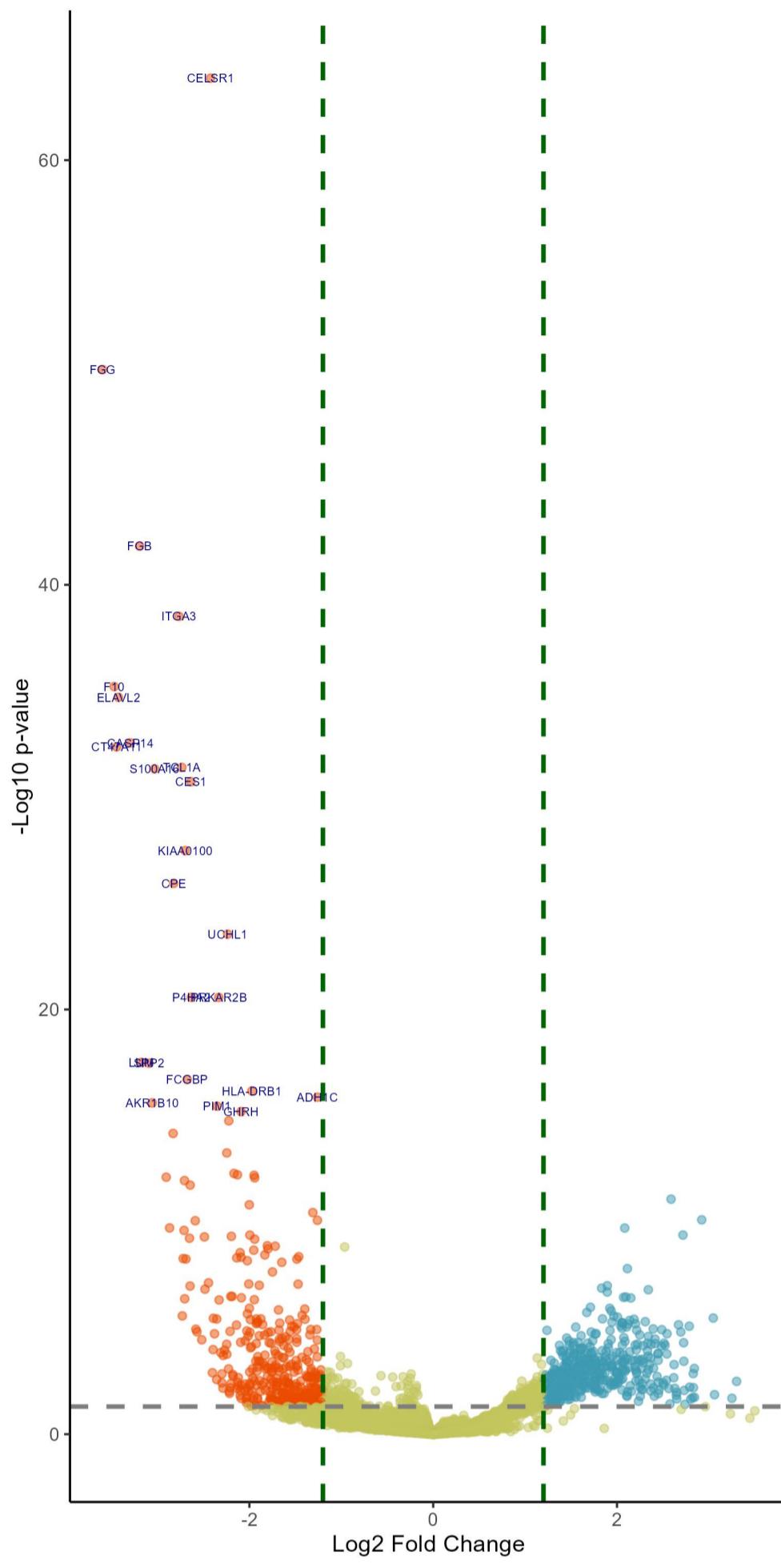


logFC	adj.P.Val	symbol	name	logFC	adj.P.Val	symbol	name
-1.61	1.81e-06	SCIN	scinderin	1.43	2.74e-01	CRIP2	cysteine rich protein 2
-1.25	4.45e-02	CDH17	cadherin 17	1.27	3.36e-01	POLB	DNA polymerase beta
-1.23	2.24e-01	PRODH	proline dehydrogenase 1	1.25	1.61e-01	MIEN1	migration and invasion enhancer 1
-1.17	1.16e-03	KCTD12	potassium channel tetramerization d	1.24	4.23e-02	KRT38	keratin 38
-1.14	4.99e-02	FGB	fibrinogen beta chain	1.23	7.16e-01	L1CAM	L1 cell adhesion molecule
-1.14	4.10e-01	LGALS4	galectin 4	1.22	9.83e-02	CORO1A	coronin 1A
-1.07	2.12e-01	GJA1	gap junction protein alpha 1	1.2	5.24e-01	H1-1	H1.1 linker histone, cluster member
-1.04	1.00e-07	RWDD3	RWD domain containing 3	1.11	9.42e-02	KRT85	keratin 85
-1.04	7.63e-02	SERPINB9	serpin family B member 9	1.08	2.06e-05	PRPH	peripherin
-1.03	5.60e-01	LUM	lumican	1.03	2.76e-01	NFIB	nuclear factor I B
-1.02	6.91e-01	ANXA13	annexin A13	1.01	7.26e-01	NAPRT	nicotinate phosphoribosyltransferas
-1.02	3.10e-02	SLC29A1	solute carrier family 29 member 1 (1.01	1.13e-04	SNCG	synuclein gamma
-1.01	2.27e-01	CA2	carbonic anhydrase 2	0.98	7.75e-01	PDCD4	programmed cell death 4
-1.01	3.04e-02	DCAF1	DDB1 and CUL4 associated factor 1	0.97	5.02e-01	NCOA7	nuclear receptor coactivator 7
-1.01	2.12e-01	TTC27	tetratricopeptide repeat domain 27	0.97	4.50e-02	PCYOX1L	prenylcysteine oxidase 1 like
-1.01	4.81e-01	E2F4	E2F transcription factor 4	0.96	9.32e-01	TGM2	transglutaminase 2
-1	9.37e-02	TYMS	thymidylate synthetase	0.96	8.20e-01	H2BU1	H2B.U histone 1
-0.98	3.06e-01	NOPCHAP1	NOP protein chaperone 1	0.95	1.90e-06	LHPP	phospholysine phosphohistidine inor
-0.96	5.92e-01	CES2	carboxylesterase 2	0.94	5.04e-01	IRAK2	interleukin 1 receptor associated k
-0.96	6.31e-01	STXBP6	syntaxin binding protein 6	0.94	2.12e-01	RABGAP1	RAB GTPase activating protein 1
-0.96	2.46e-01	CAPN5	calpain 5	0.93	1.75e-01	PIP5K1C	phosphatidylinositol-4-phosphate 5-
-0.95	5.81e-01	DOK3	docking protein 3	0.92	4.68e-05	STING1	stimulator of interferon response c
-0.94	6.36e-01	ENTPD1	ectonucleoside triphosphate diphosp	0.92	5.80e-01	ARHGDI	Rho GDP dissociation inhibitor beta
-0.94	3.03e-01	YTHDC2	YTH domain containing 2	0.92	9.20e-01	CBLB	Cbl proto-oncogene B
-0.94	5.24e-03	GPAT3	glycerol-3-phosphate acyltransferas	0.9	9.72e-01	FSCN1	fascin actin-bundling protein 1
-0.93	5.81e-01	MYO1F	myosin IF	0.89	3.84e-01	TRAPPCC6B	trafficking protein particle comple
-0.93	3.71e-01	TNFRSF10A	TNF receptor superfamily member 10a	0.89	3.13e-01	STK3	serine/threonine kinase 3
-0.93	7.07e-04	COX8A	cytochrome c oxidase subunit 8A	0.87	7.74e-02	NRGN	neurogranin
-0.92	5.11e-01	GHRH	growth hormone releasing hormone	0.86	4.61e-01	PLCG1	phospholipase C gamma 1

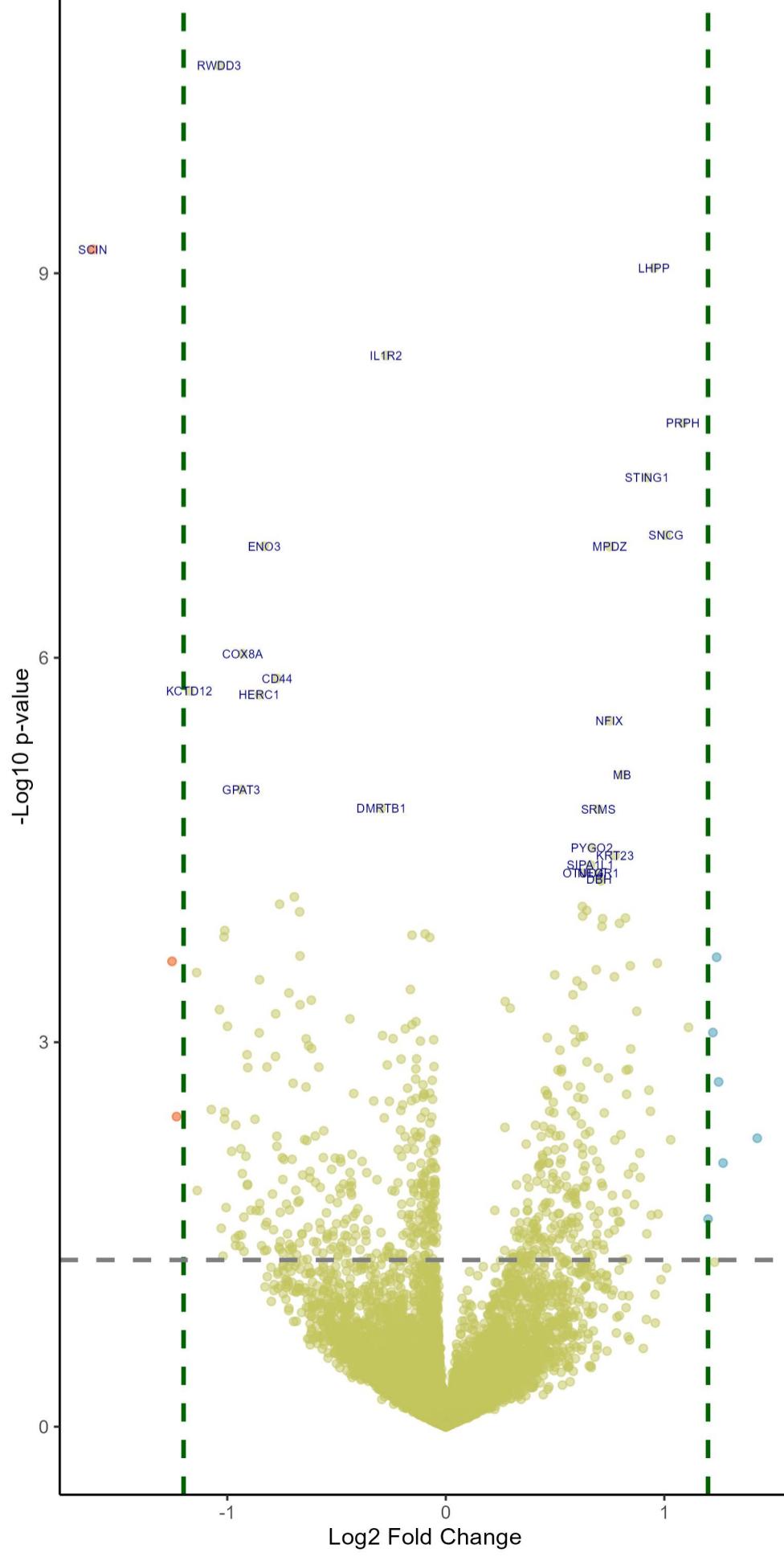
AEN network, DB2, no Pearson r > 0.3

Differentially expressed proteins in blood cancers at absence/low amount of AEN , DB2

p-value < 0.05 & logFC > 1.2

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

logFC	adj.P.Val	symbol	name	logFC	adj.P.Val	symbol	name
-2.42	1.15e-60	CELSR1	cadherin EGF LAG seven-pass G-type	2.59	1.98e-09	P3H1	prolyl 3-hydroxylase 1
-3.6	3.05e-47	FGG	fibrinogen gamma chain	2.92	1.73e-08	RTN3	reticulon 3
-3.19	4.19e-39	FGB	fibrinogen beta chain	2.08	3.82e-08	GGA3	golgi associated, gamma adaptin ear
-2.77	5.09e-36	ITGA3	integrin subunit alpha 3	2.72	7.67e-08	ARL2	ADP ribosylation factor like GTPase
-3.47	8.65e-33	F10	coagulation factor X	2.11	2.02e-06	SLC16A1	solute carrier family 16 member 1
-3.42	2.38e-32	ELAVL2	ELAV like RNA binding protein 2	1.89	1.19e-05	WDR44	WD repeat domain 44
-3.3	2.92e-30	CASP14	caspase 14	1.83	1.50e-05	PHRF1	PHD and ring finger domains 1
-3.45	4.00e-30	CT47A11	cancer/testis antigen family 47 mem	2.34	1.73e-05	COQ6	coenzyme Q6, monooxygenase
-2.73	3.32e-29	TCL1A	TCL1 family AKT coactivator A	1.89	2.19e-05	COMM6	COMM domain containing 6
-3.03	3.53e-29	S100A16	S100 calcium binding protein A16	2.1	3.60e-05	HEXIM1	HEXIM P-TEFb complex subunit 1
-2.64	1.30e-28	CES1	carboxylesterase 1	2.07	3.72e-05	IKBKG	inhibitor of nuclear factor kappa B
-2.7	2.12e-25	KIAA0100	KIAA0100	2.15	3.88e-05	TOR1A	torsin family 1 member A
-2.82	6.84e-24	CPE	carboxypeptidase E	1.71	1.02e-04	METTL14	methyltransferase 14, N6-adenosine-
-2.24	1.58e-21	UCHL1	ubiquitin C-terminal hydrolase L1	1.92	1.11e-04	BLOC1S4	biogenesis of lysosomal organelles
-2.63	1.32e-18	P4HA2	prolyl 4-hydroxylase subunit alpha	1.94	1.42e-04	CCDC134	coiled-coil domain containing 134
-2.33	1.32e-18	PRKAR2B	protein kinase cAMP-dependent type	1.67	1.66e-04	COG1	component of oligomeric golgi compl
-3.17	1.44e-15	LUM	lumican	1.96	2.38e-04	TMF1	TATA element modulatory factor 1
-3.09	1.48e-15	SPP2	secreted phosphoprotein 2	2.01	2.60e-04	AAMDC	adipogenesis associated Mth938 doma
-2.68	8.28e-15	FCGBP	Fc gamma binding protein	3.05	2.87e-04	DNAJC3	DnaJ heat shock protein family (Hsp
-1.97	2.71e-14	HLA-DRB1	major histocompatibility complex, c	1.84	3.02e-04	INTS5	integrator complex subunit 5
-1.26	5.11e-14	ADH1C	alcohol dehydrogenase 1C (class I),	2.18	3.05e-04	SLC12A9	solute carrier family 12 member 9
-3.06	9.06e-14	AKR1B10	aldo-keto reductase family 1 member	2.14	3.37e-04	CEP104	centrosomal protein 104
-2.35	1.25e-13	PIM1	Pim-1 proto-oncogene, serine/threon	2.31	3.78e-04	ARFGAP3	ADP ribosylation factor GTPase acti
-2.09	2.17e-13	GHRH	growth hormone releasing hormone	1.95	3.96e-04	AKT2	AKT serine/threonine kinase 2
-2.22	5.61e-13	ZNF296	zinc finger protein 296	2.05	4.14e-04	ERMP1	endoplasmic reticulum metallopeptid
-2.83	2.13e-12	GCG	glucagon	2.05	4.22e-04	POFUT1	protein O-fucosyltransferase 1
-2.25	1.70e-11	MS4A1	membrane spanning 4-domains A1	2.06	4.28e-04	MAP7D3	MAP7 domain containing 3
-2.17	1.52e-10	HLA-DRB3	major histocompatibility complex, c	2.2	4.39e-04	KLC2	kinesin light chain 2
-2.13	1.70e-10	ALDH2	aldehyde dehydrogenase 2 family mem	2.12	4.53e-04	MTFR1L	mitochondrial fission regulator 1 l
-1.95	1.74e-10	CCDC7	coiled-coil domain containing 7	2.67	4.81e-04	GLB1	galactosidase beta 1
-2.91	2.06e-10	TGM1	transglutaminase 1	2.04	5.28e-04	PIP4K2C	phosphatidylinositol-5-phosphate 4-
-1.94	2.14e-10	SFXN3	sideroflexin 3	2.79	5.43e-04	CDY1	chromodomain Y like
-2.71	2.80e-10	MUC13	mucin 13, cell surface associated	2.11	5.79e-04	TRAPP6B	trafficking protein particle comple
-2.64	4.46e-10	NIBAN3	niban apoptosis regulator 3	1.55	5.83e-04	GOLPH3L	golgi phosphoprotein 3 like
-2	3.56e-09	JCHAIN	joining chain of multimeric IgA and	2.05	6.54e-04	ERLEC1	endoplasmic reticulum lectin 1
-1.31	8.08e-09	SERPINH1	serpin family H member 1	2.39	6.96e-04	FUNDC2	FUN14 domain containing 2
-1.26	1.77e-08	FN1	fibronectin 1	2.49	7.33e-04	PBXIP1	PBX homeobox interacting protein 1
-2.59	1.81e-08	FAT1	FAT atypical cadherin 1	2.21	7.62e-04	TMEM205	transmembrane protein 205
-2.97	3.29e-08	REVI1	brain expressed Y linked 1	1.24	7.69e-04	NERK1	nuclear factor related to kappaB hi

Differentially expressed proteins in solid cancers at absence/low amount of AEN , DB2
p-value < 0.05 & logFC > 1.2Sorted by p values!
Downregulated in solid cancers at low/absent AEN Upregulated in solid cancers at low/absent AEN

logFC	adj.P.Val	symbol	name	logFC	adj.P.Val	symbol	name
-1.04	1.00e-07	RWDD3	RWD domain containing 3	0.95	1.90e-06	LHPP	phospholysine phosphohistidine inor
-1.61	1.81e-06	SCIN	scinderin	1.08	2.06e-05	PRPH	peripherin
-0.27	7.32e-06	IL1R2	interleukin 1 receptor type 2	0.92	4.68e-05	STING1	stimulator of interferon response c
-0.83	1.13e-04	ENO3	enolase 3	1.01	1.13e-04	SNCG	synuclein gamma
-0.93	7.07e-04	COX8A	cytochrome c oxidase subunit 8A	0.75	1.13e-04	MPDZ	multiple PDZ domain crumbs cell pol
-0.77	1.01e-03	CD44	CD44 molecule (Indian blood group)	0.75	1.73e-03	NFIX	nuclear factor I X
-1.17	1.16e-03	KCTD12	potassium channel tetramerization d	0.81	4.27e-03	MB	myoglobin
-0.85	1.16e-03	HERC1	HECT and RLD domain containing E3 u	0.7	6.67e-03	SRMS	src-related kinase lacking C-termin
-0.94	5.24e-03	GPAT3	glycerol-3-phosphate acyltransferas	0.67	1.27e-02	PYGO2	pygopus family PHD finger 2
-0.29	6.67e-03	DMRTB1	DMRT like family B with proline ric	0.77	1.39e-02	KRT23	keratin 23
-0.69	2.27e-02	SERPINB1	serpin family B member 1	0.66	1.58e-02	SIPA1L1	signal induced proliferation associ
-0.76	2.50e-02	EFCAB5	EF-hand calcium binding domain 5	0.7	1.67e-02	NEGR1	neuronal growth regulator 1
-0.67	2.59e-02	TSPAN3	tetraspanin 3	0.63	1.67e-02	OTUD4	OTU deubiquitinase 4
-1.01	3.04e-02	DCAF1	DDB1 and CUL4 associated factor 1	0.7	1.77e-02	DBH	dopamine beta-hydroxylase
-0.09	3.10e-02	EIF6	eukaryotic translation initiation f	0.71	1.77e-02	SYT1	synaptotagmin 1
-0.15	3.10e-02	MRTO4	MRT4 homolog, ribosome maturation f	0.63	2.52e-02	PRMT6	protein arginine methyltransferase
-1.02	3.10e-02	SLC29A1	solute carrier family 29 member 1 (0.65	2.59e-02	ZNF385A	zinc finger protein 385A
-0.07	3.10e-02	RPL30	ribosomal protein L30	0.63	2.67e-02	LYSM1	LysM domain containing 1
-0.67	4.23e-02	DSG2	desmoglein 2	0.82	2.67e-02	KRT72	keratin 72
-1.25	4.45e-02	CDH17	cadherin 17	0.72	2.67e-02	S100A8	S100 calcium binding protein A8
-1.14	4.99e-02	FGB	fibrinogen beta chain	0.79	2.82e-02	CD300E	CD300e molecule
-0.85	5.34e-02	GTPBP8	GTP binding protein 8 (putative)	0.71	2.90e-02	SUSD2	sushi domain containing 2
-0.16	6.00e-02	RRP9	ribosomal RNA processing 9, U3 smal	1.24	4.23e-02	KRT38	keratin 38
-0.72	6.28e-02	SHMT1	serine hydroxymethyltransferase 1	0.97	4.50e-02	PCYOX1L	prenylcysteine oxidase 1 like
-0.62	6.90e-02	S100A10	S100 calcium binding protein A10	0.84	4.61e-02	UNC13D	unc-13 homolog D
-0.67	7.23e-02	FHL2	four and a half LIM domains 2	0.69	4.84e-02	CYGB	cytoglobin
-1.04	7.63e-02	SERPINB9	serpin family B member 9	0.5	5.09e-02	LRRC41	leucine rich repeat containing 41
-0.78	7.97e-02	FAT1	FAT atypical cadherin 1	0.77	5.16e-02	PROM2	prominin 2
-0.44	8.60e-02	H1-5	H1.5 linker histone, cluster member	0.6	5.35e-02	SCNM1	sodium channel modifier 1
-0.14	8.90e-02	PES1	pescadillo ribosomal biogenesis fac	0.63	5.73e-02	GDPD1	glycerophosphodiester phosphodieste
-0.15	9.23e-02	NOP2	NOP2 nucleolar protein	0.58	6.37e-02	SH3PXD2A	SH3 and PX domains 2A
-1	9.37e-02	TYMS	thymidylate synthetase	0.27	6.93e-02	PWP1	PWP1 homolog, endonuclein
-0.19	9.53e-02	NIFK	nucleolar protein interacting with	0			

Insufficient number of paired observations in DB2 for AEN

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No information on Ser/Thr kinase phosphorylation sites for AEN

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