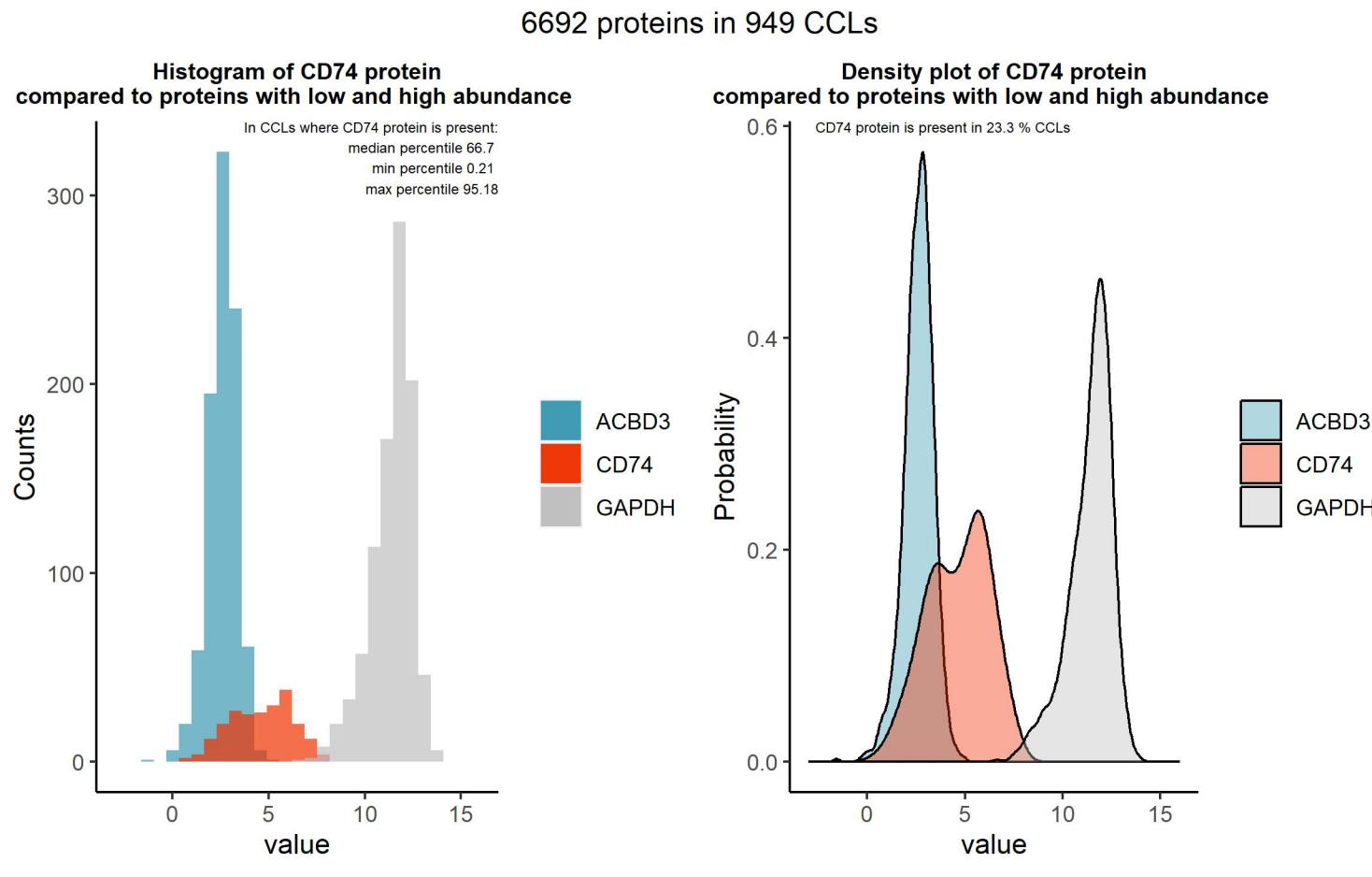


# CD74

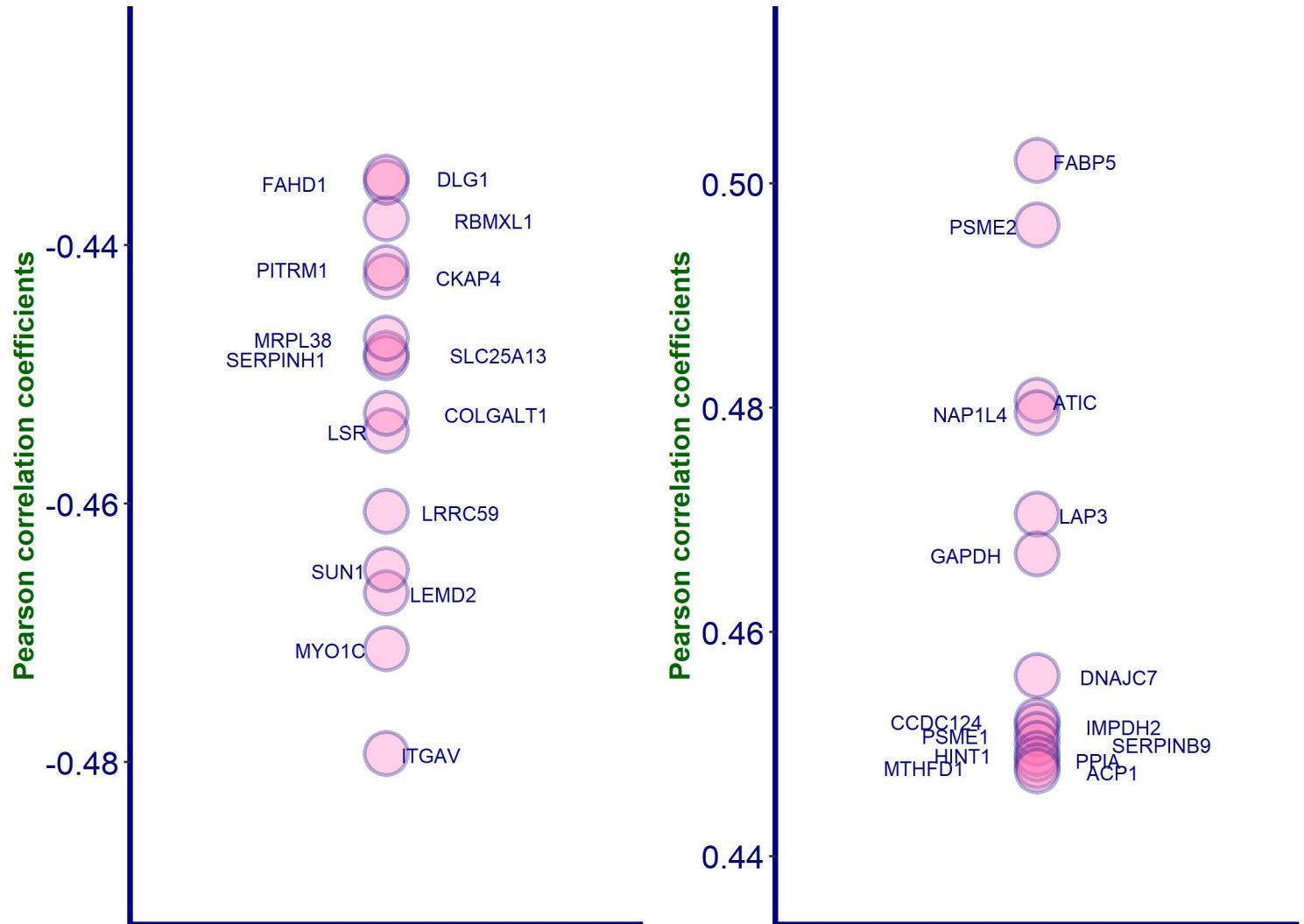
Protein name: HG2A ; UNIPROT: P04233 ; Gene name: CD74 molecule

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

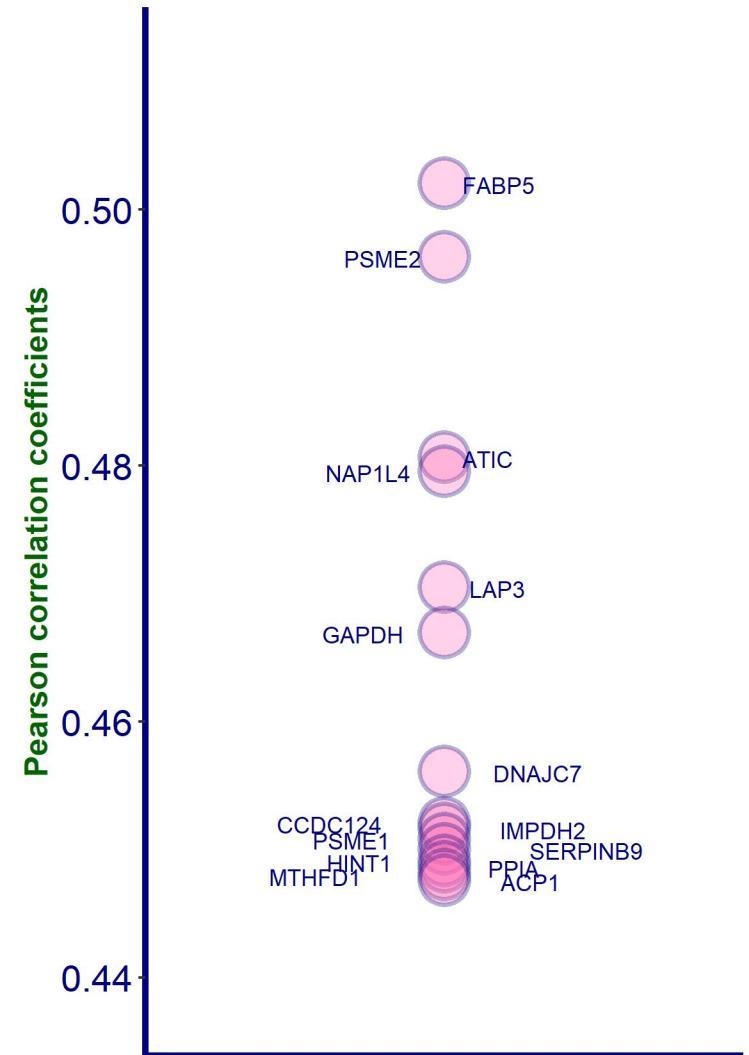
## Sanger Institute Protein Database 1 (DB1), protein presence is certain



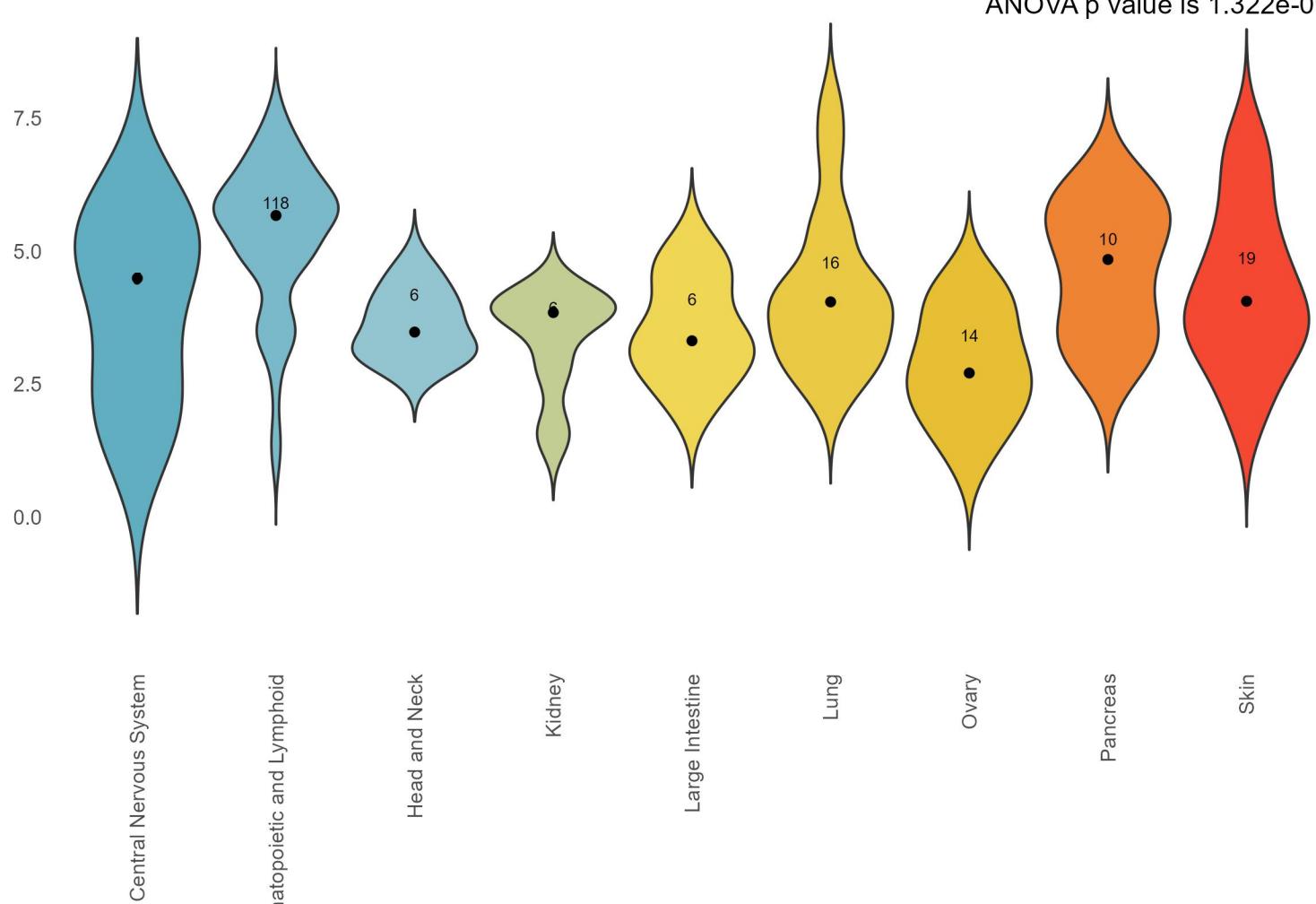
### Top negative correlations of CD74 protein, DB1



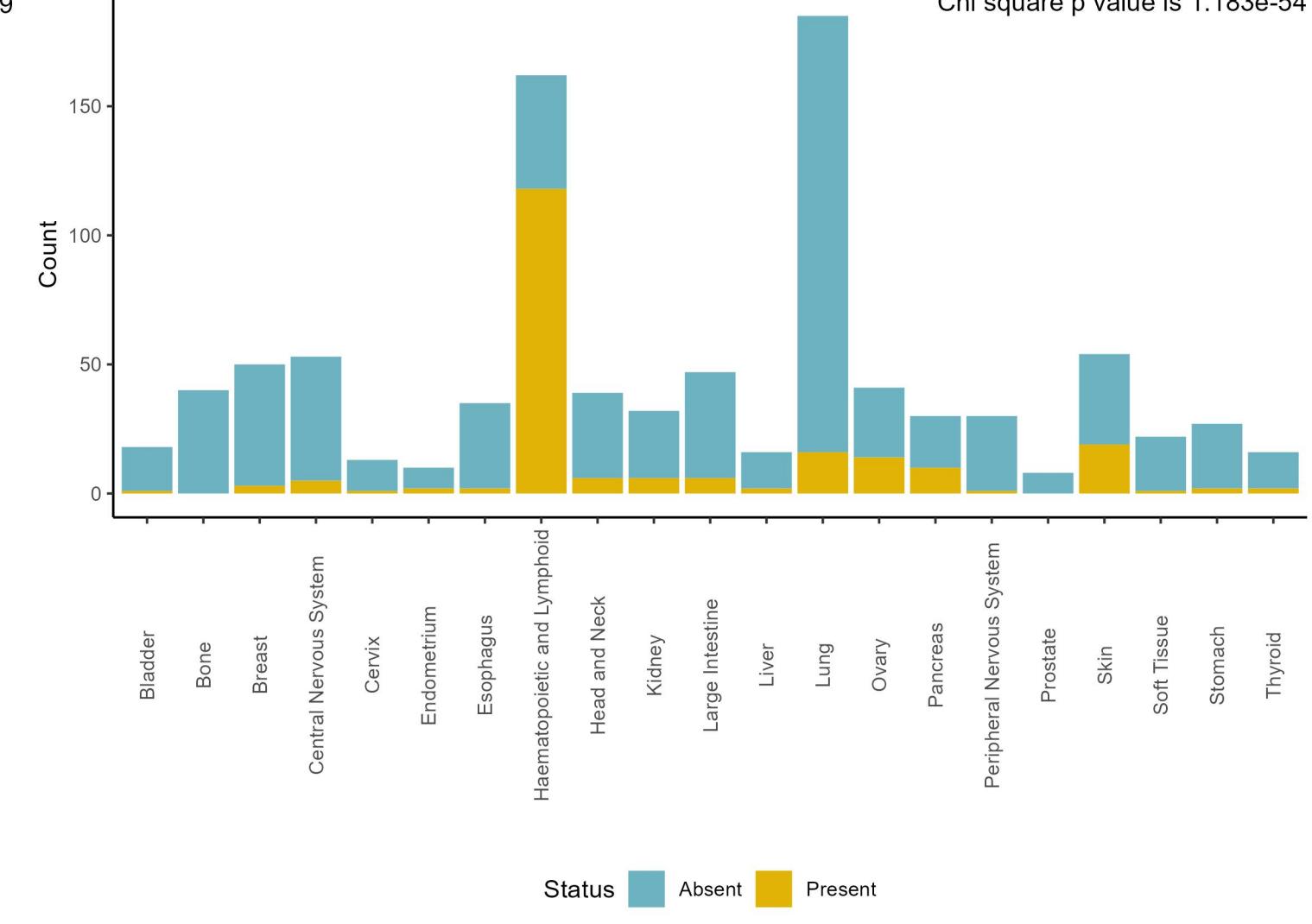
### Top positive correlations of CD74 protein, DB1



## Amount of CD74 protein, number of CCLs where it is present by tissue, DB1



## Present and absent CD74 protein counts by tissue, DB1

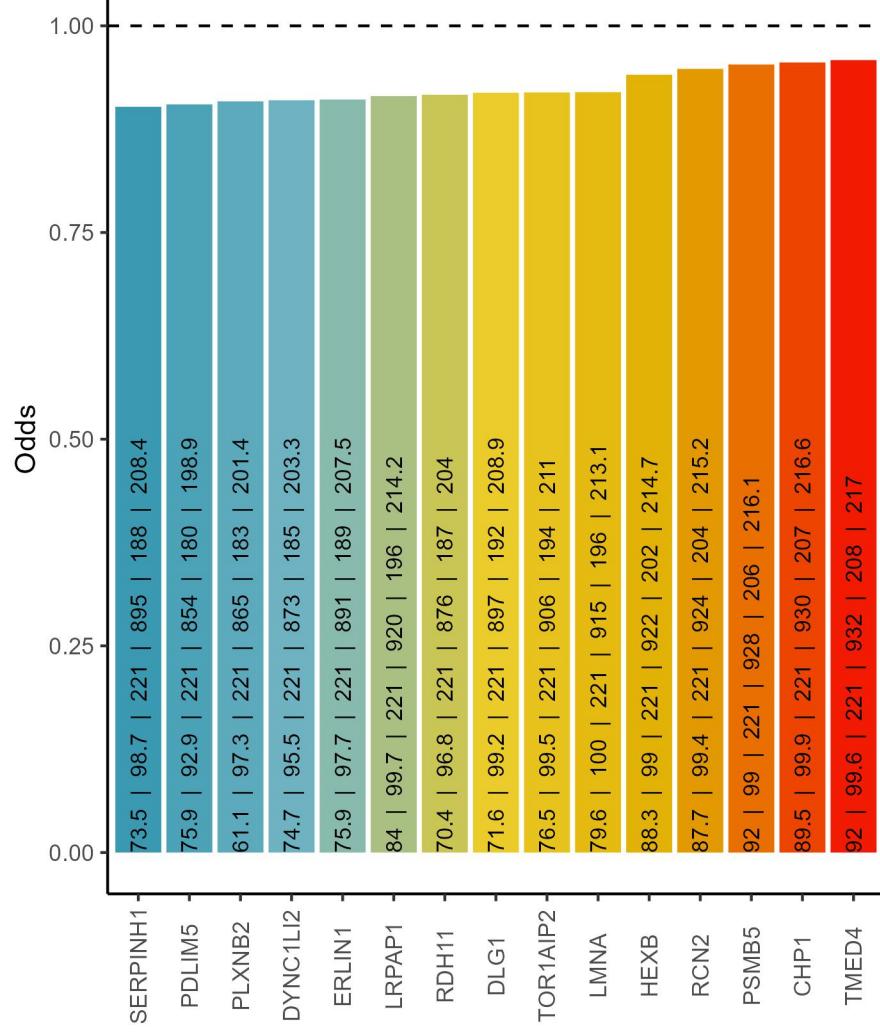


## Cooccurrence with CD74 protein, DB1

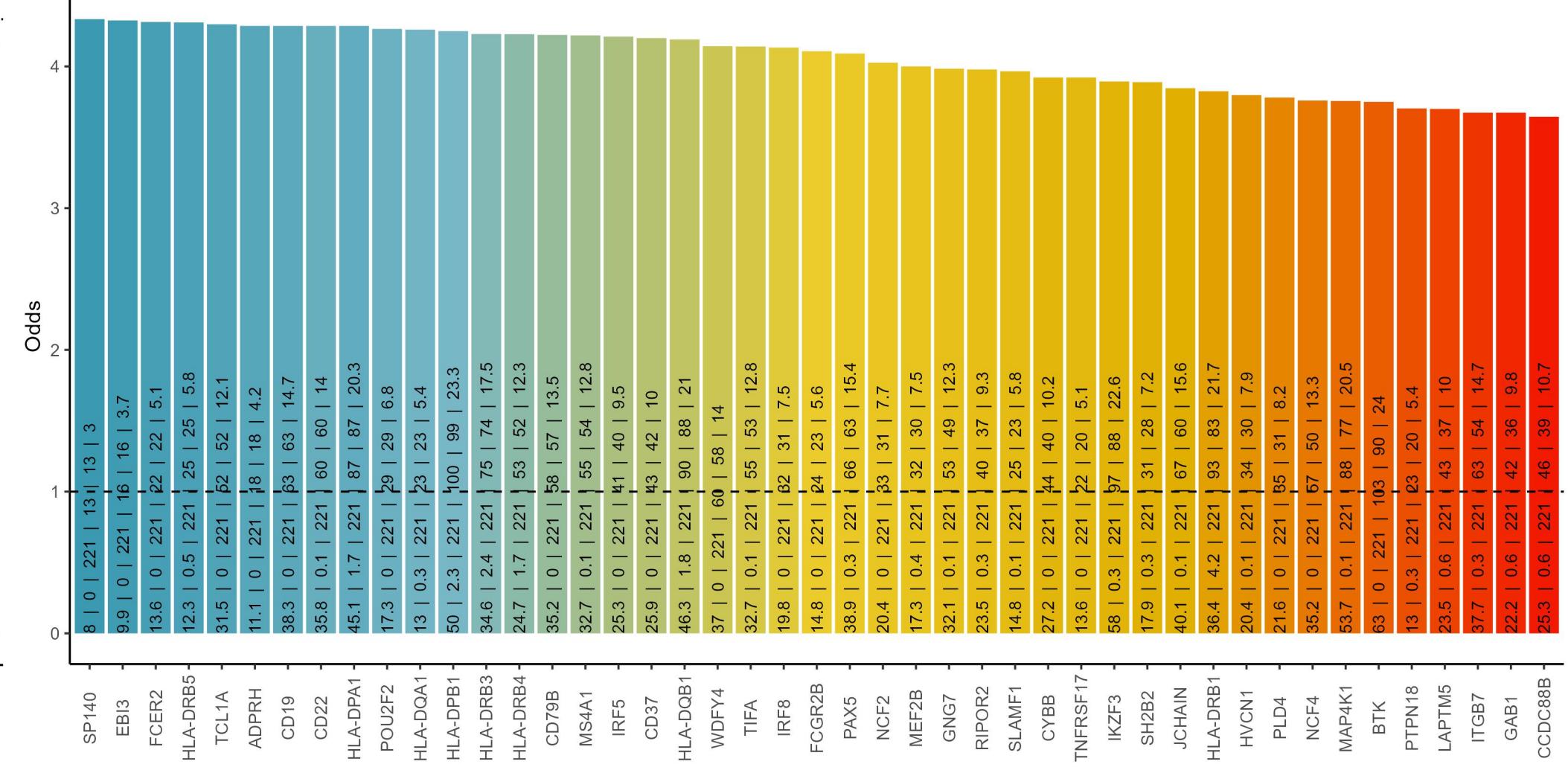
% of CD74 in blood cancers: 72.8 ; % of CD74 in solid cancers: 13

Text in the bars: % of Protein 2 in blood cancers | % of Protein 2 in solid cancers | incidence of CD74 | incidence of Protein 2 | observed cooccurrence | expected cooccurrence

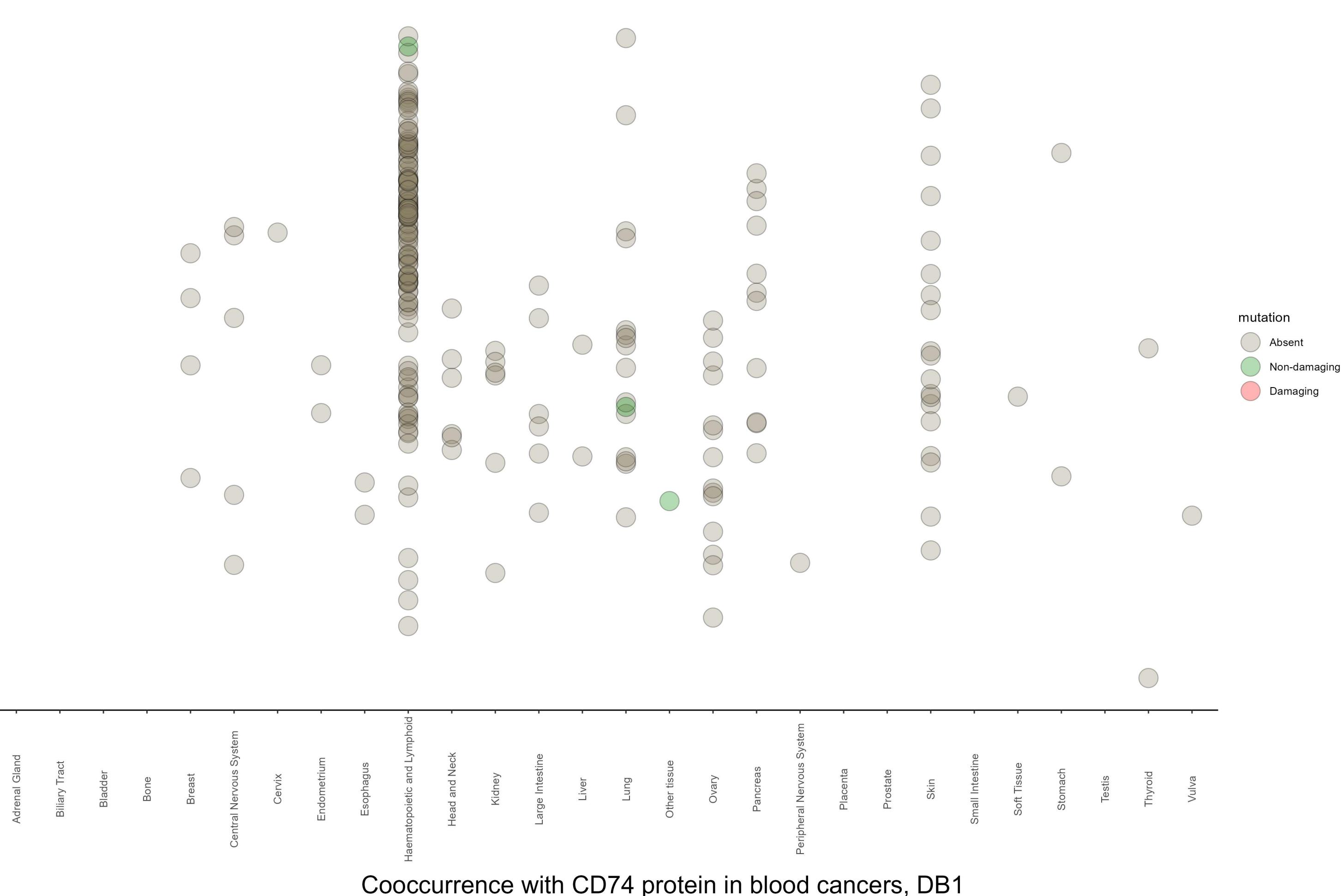
### Negative cooccurrence



### Positive cooccurrence



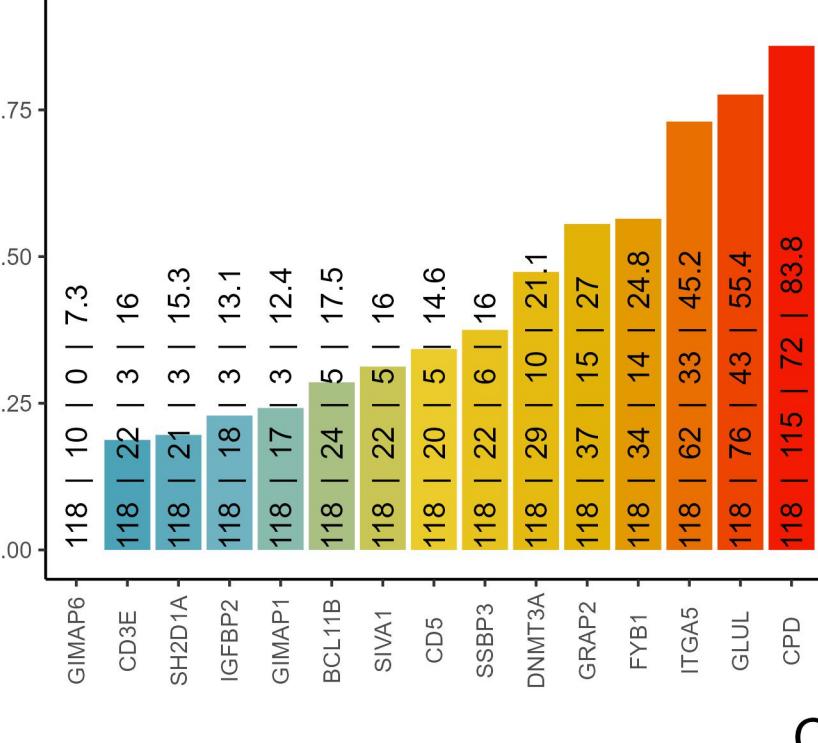
# Amount of CD74 protein and mutation status by tissue, DB1



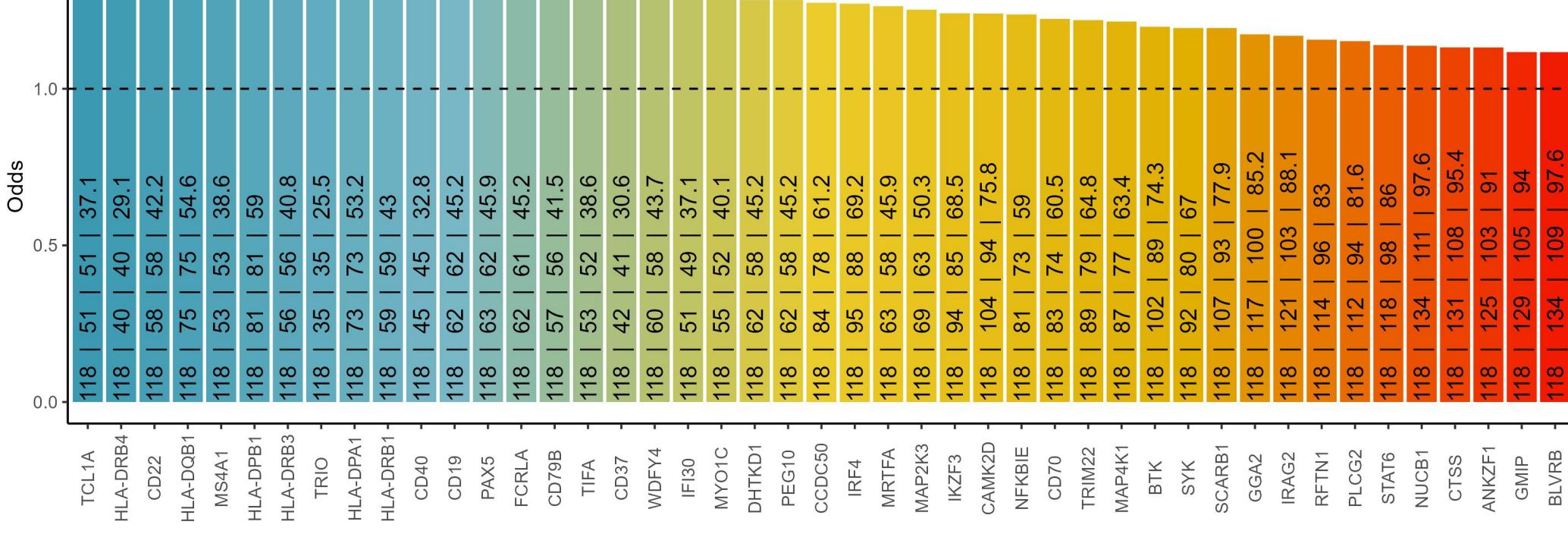
## Cooccurrence with CD74 protein in blood cancers, DB1

The text in the bars: incidence of CD74 | incidence of Protein 2 | observed cooccurrence | expected cooccurrence

### Negative cooccurrence



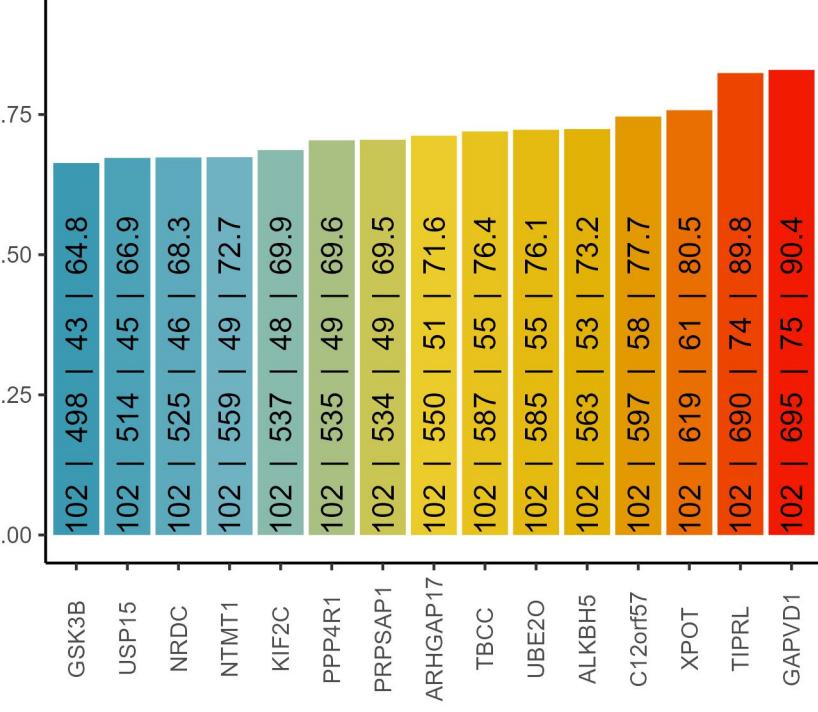
### Positive cooccurrence



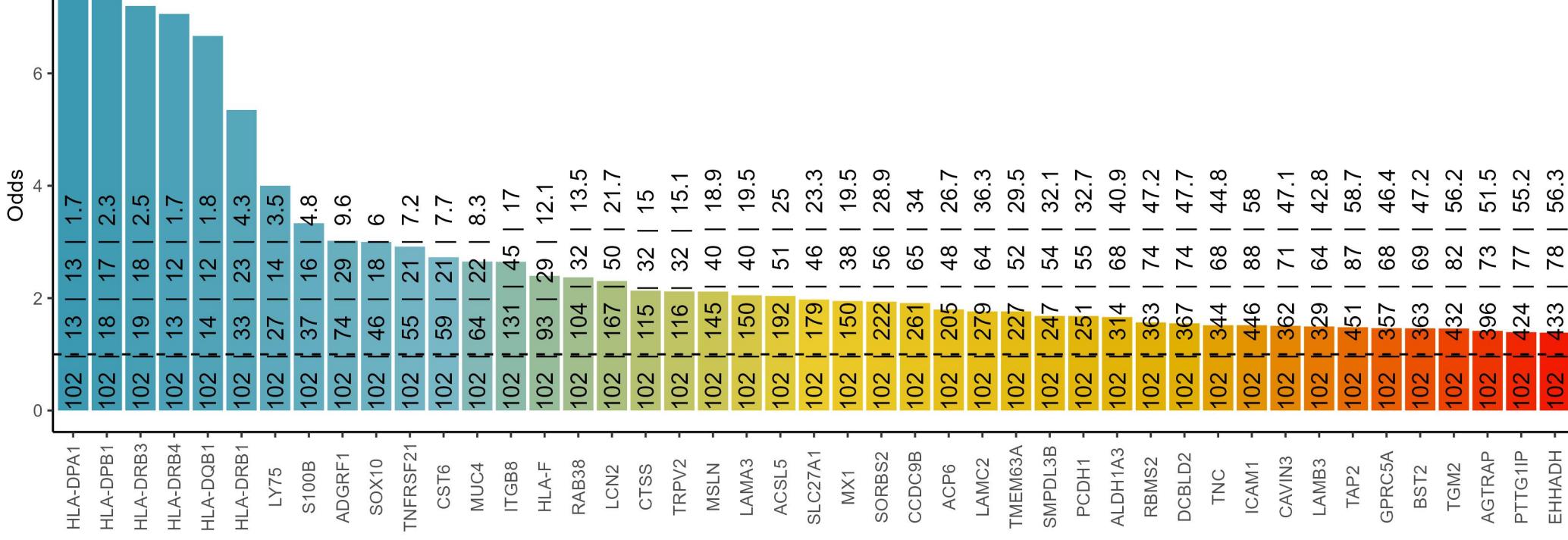
## Cooccurrence with CD74 protein in solid cancers, DB1

The text in the bars: incidence of CD74 | incidence of Protein 2 | observed cooccurrence | expected cooccurrence

### Negative cooccurrence

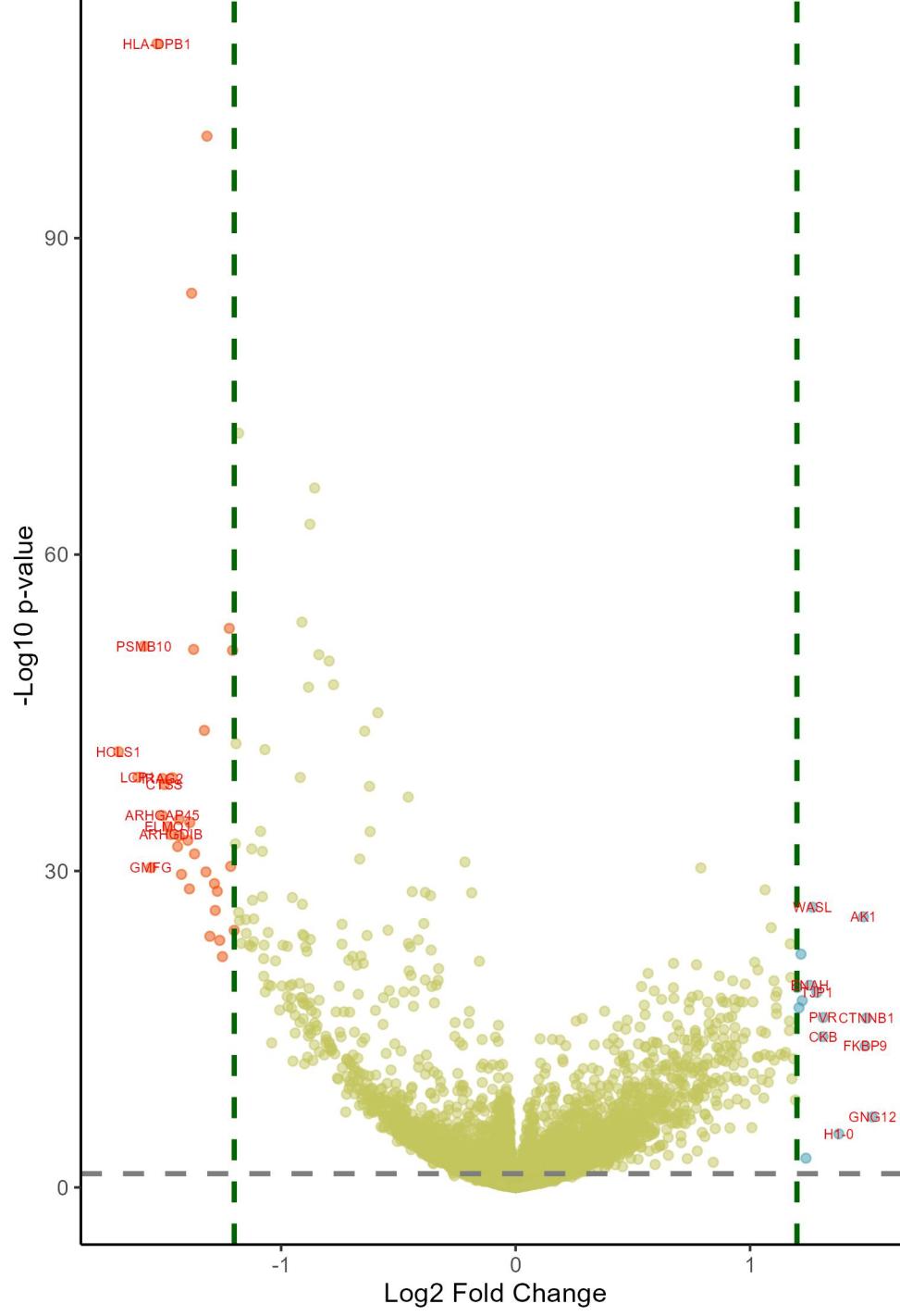


### Positive cooccurrence



## Downregulated at low/absent CD74

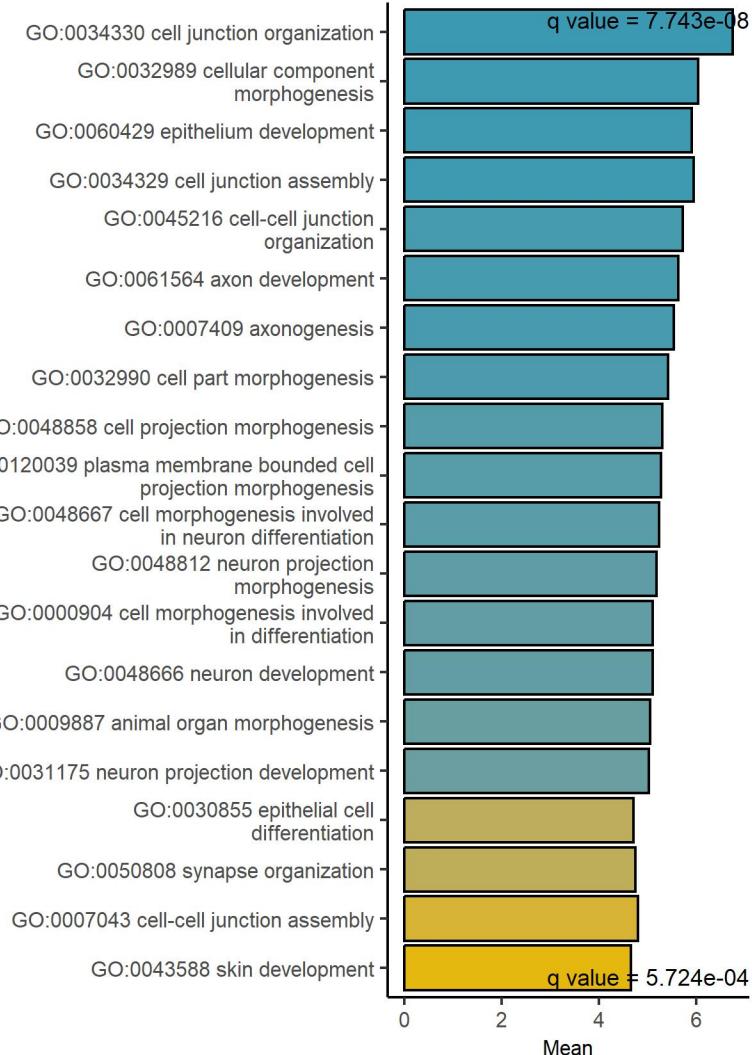
## Upregulated at low/absent CD74



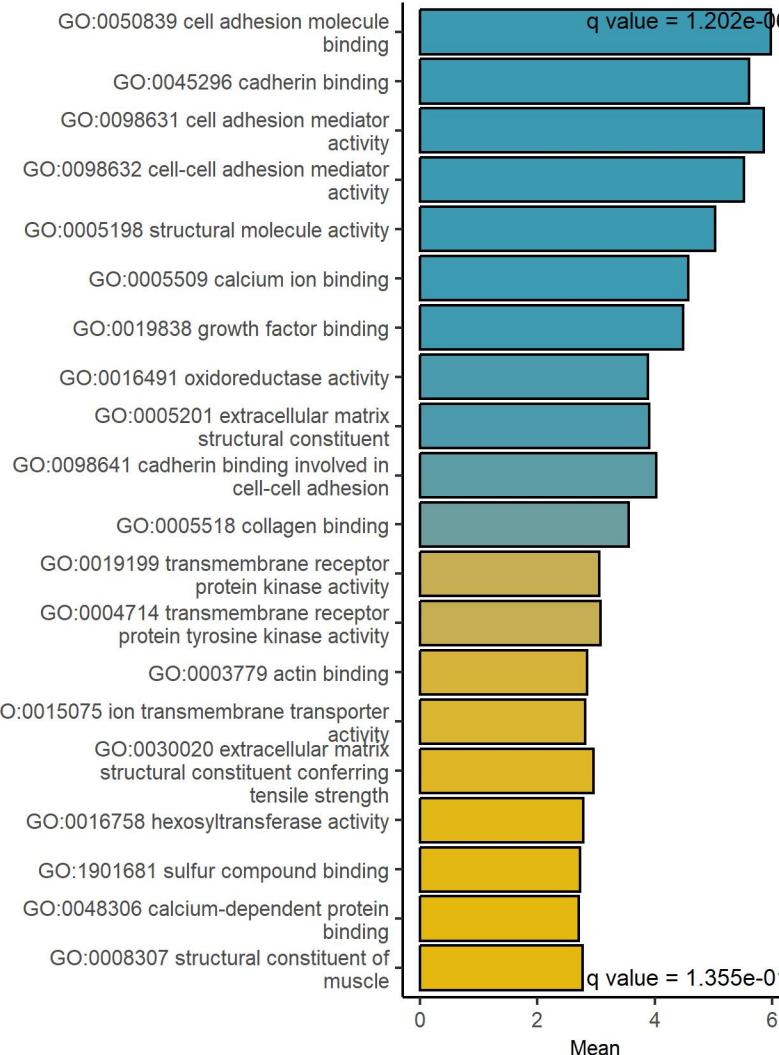
logFC	adj.P.Val	symbol	name	logFC	adj.P.Val	symbol	name
-1.69	1.46e-39	HCLS1	hematopoietic cell-specific Lyn sub	1.52	1.67e-06	GNG12	G protein subunit gamma 12
-1.61	3.76e-37	LCP1	lymphocyte cytosolic protein 1	1.5	2.96e-15	CTNNB1	catenin beta 1
-1.59	3.27e-49	PSMB10	proteasome 20S subunit beta 10	1.49	9.14e-13	FKBP9	FKBP prolyl isomerase 9
-1.56	6.77e-29	GMFG	glia maturation factor gamma	1.48	2.22e-24	AK1	adenylate kinase 1
-1.53	1.22e-105	HLA-DPB1	major histocompatibility complex, c	1.38	4.66e-05	H1-0	H1.0 linker histone
-1.51	1.22e-33	ARHGAP45	Rho GTPase activating protein 45	1.31	2.68e-15	PVR	PVR cell adhesion molecule
-1.51	4.36e-37	IRAG2	inositol 1,4,5-triphosphate recepto	1.31	1.39e-13	CKB	creatine kinase B
-1.5	1.55e-36	CTSS	cathepsin S	1.29	1.50e-17	TJP1	tight junction protein 1
-1.48	1.27e-32	ELMO1	engulfment and cell motility 1	1.27	2.91e-25	WASL	WASP like actin nucleation promotin
-1.47	6.37e-32	ARHGDIB	Rho GDP dissociation inhibitor beta	1.25	3.60e-18	ENAH	ENAH actin regulator
-1.46	3.79e-37	RAC2	Rac family small GTPase 2	1.24	5.07e-03	KRT18	keratin 18
-1.44	8.01e-31	RCSD1	RCSD domain containing 1	1.22	8.14e-17	GNA11	G protein subunit alpha 11
-1.44	2.76e-33	IKZF1	IKAROS family zinc finger 1	1.22	5.18e-21	DDAH1	dimethylarginine dimethylaminohydro
-1.43	8.57e-32	INPP5D	inositol polyphosphate-5-phosphatas	1.21	3.51e-16	NIBAN2	niban apoptosis regulator 2
-1.43	2.79e-28	LSP1	lymphocyte specific protein 1	1.2	5.57e-18	LAMB1	laminin subunit beta 1
-1.4	2.16e-31	WAS	WASP actin nucleation promoting fac	1.19	5.72e-08	PFN2	profilin 2
-1.39	6.36e-27	FERMT3	FERM domain containing kindlin 3	1.19	1.29e-11	CTNND1	catenin delta 1
-1.39	5.41e-33	WIPF1	WAS/WASL interacting protein family	1.18	7.78e-10	TPM1	tropomyosin 1
-1.38	2.78e-82	HLA-DQB1	major histocompatibility complex, c	1.17	6.94e-19	DAG1	dystroglycan 1
-1.37	5.98e-49	HLA-DRB1	major histocompatibility complex, c	1.17	6.23e-22	TMTC3	transmembrane O-mannosyltransferase
-1.37	3.69e-30	ARHGAP30	Rho GTPase activating protein 30	1.17	4.04e-14	CNN3	calponin 3
-1.33	1.74e-41	IRF4	interferon regulatory factor 4	1.17	5.47e-15	CFL2	cofilin 2
-1.32	1.67e-28	DOCK2	dedicator of cytokinesis 2	1.15	3.56e-12	ITGAV	integrin subunit alpha V
-1.32	4.80e-97	HLA-DPA1	major histocompatibility complex, c	1.15	6.98e-12	PTK7	protein tyrosine kinase 7 (inactive)
-1.3	1.30e-22	PTPRC	protein tyrosine phosphatase recept	1.13	5.18e-12	NECTIN2	nectin cell adhesion molecule 2
-1.28	2.06e-27	FMNL1	formin like 1	1.11	1.33e-17	BAIAP2	BAR/IMD domain containing adaptor p
-1.28	5.73e-25	CORO1A	coronin 1A	1.11	1.22e-15	MYO1B	myosin IB
-1.27	1.03e-26	LPXN	leupaxin	1.11	3.62e-16	RAB23	RAB23, member RAS oncogene family
-1.26	3.02e-22	ICAM3	intercellular adhesion molecule 3	1.11	3.52e-17	YES1	YES proto-oncogene 1, Src family ty

## GAGE analysis on upregulated and downregulated proteins at low/absent CD74 protein, DB1

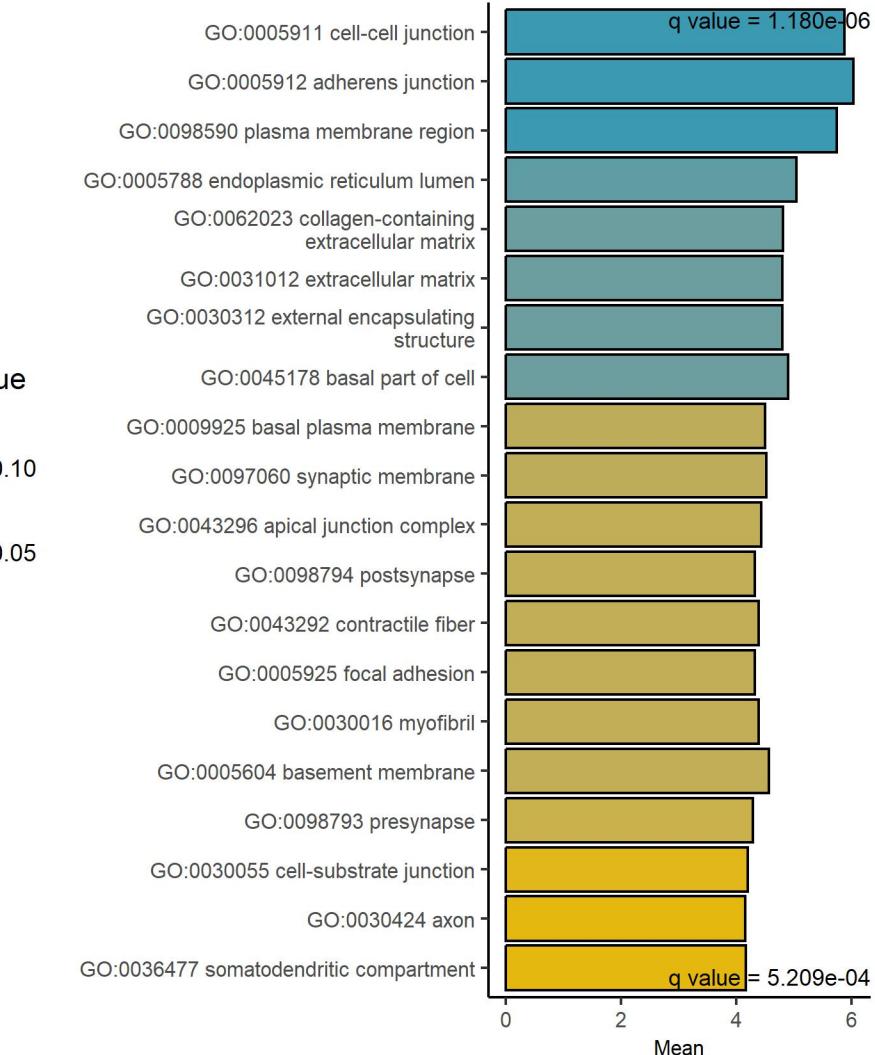
## GO Biological Process upregulated



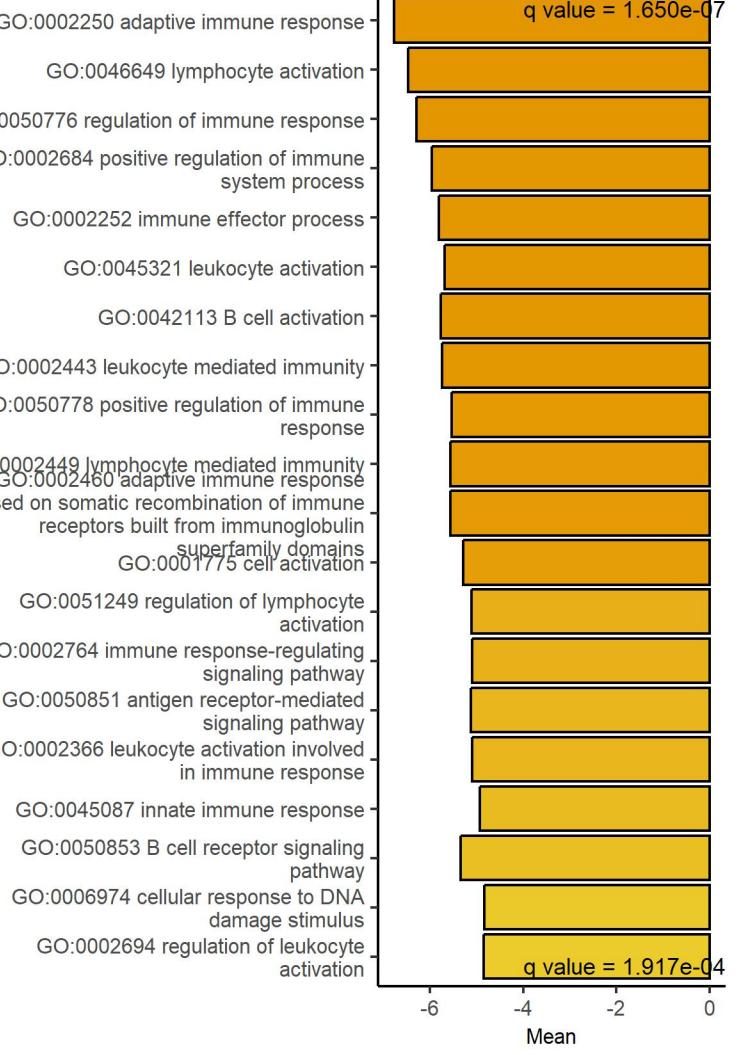
## GO Molecular Function upregulated



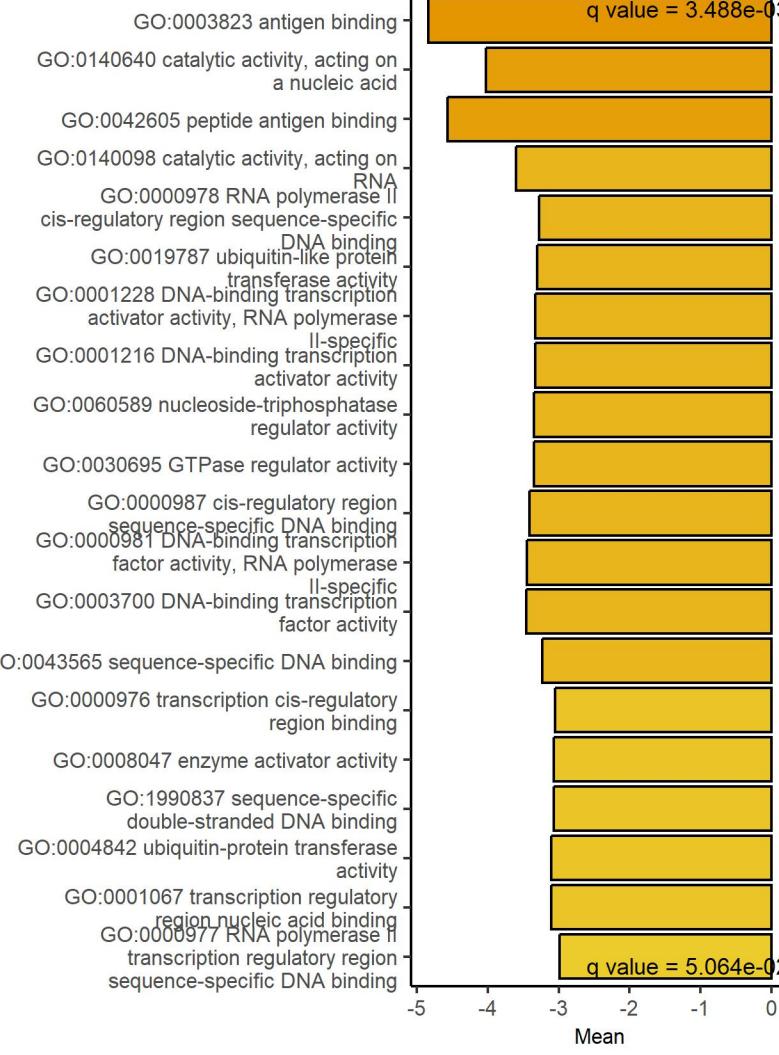
## GO Cellular Component upregulated



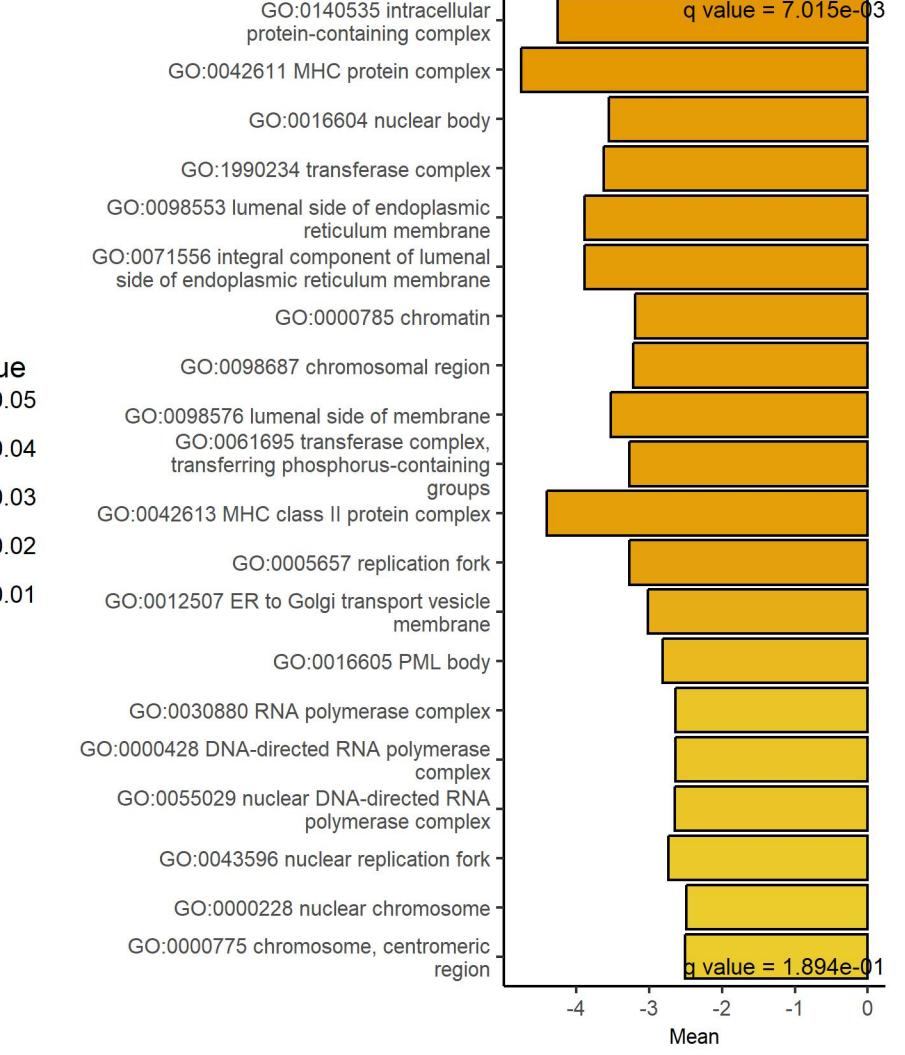
## GO Biological Process downregulated



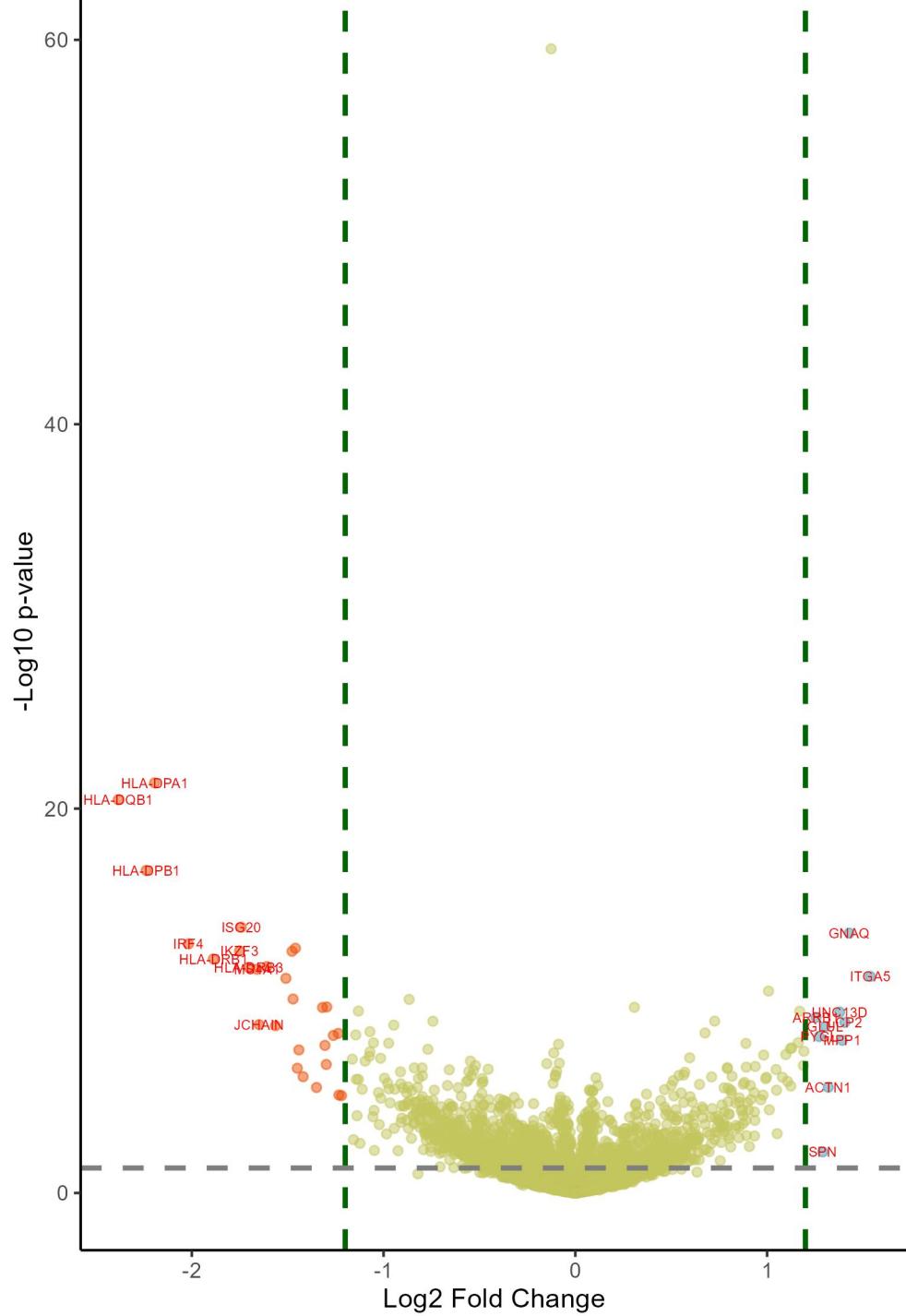
## GO Molecular Function downregulated



## GO Cellular Component downregulated

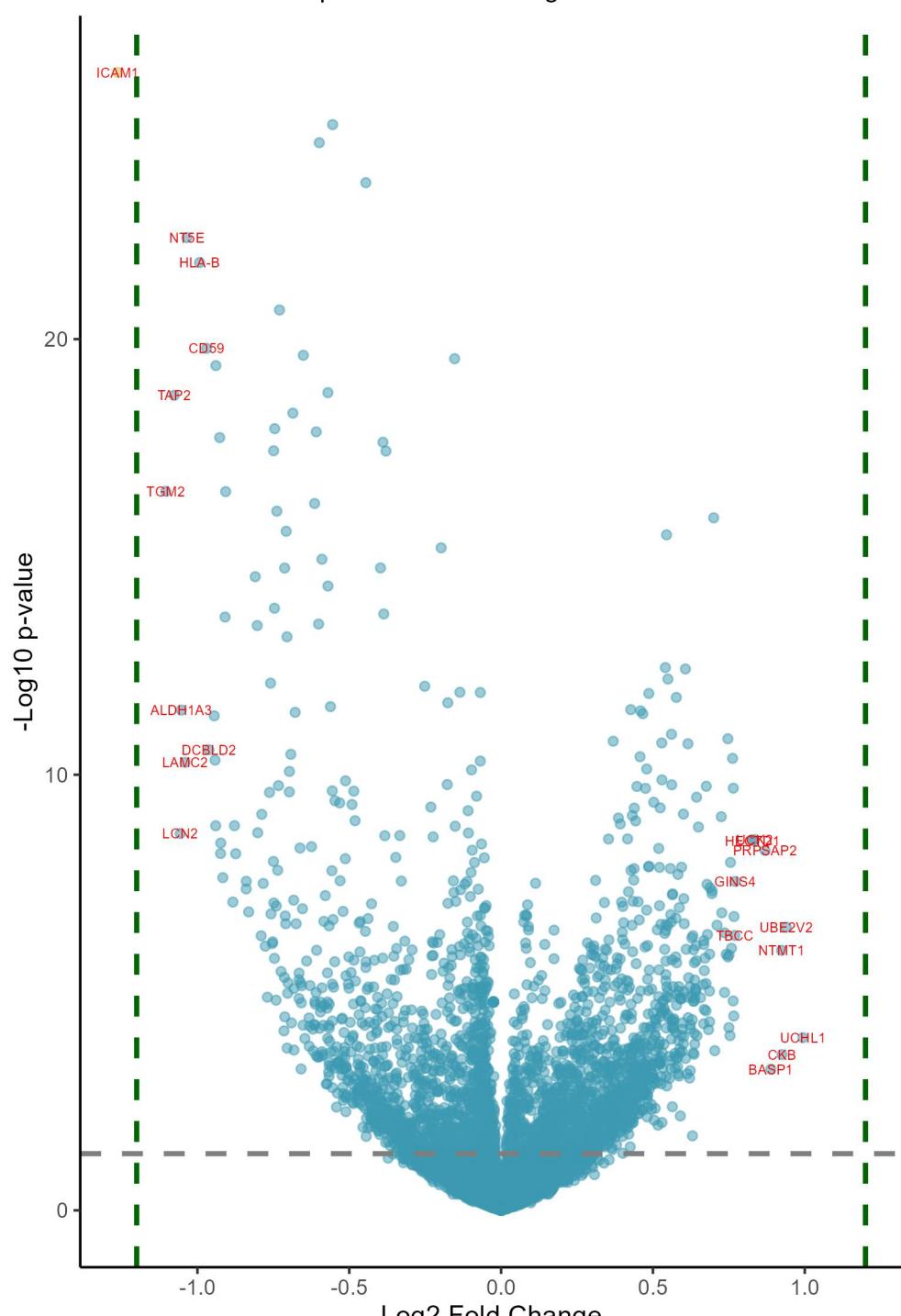


p-value &lt; 0.05 &amp; logFC &gt; 1.2



Downregulated in blood cancers at low/absent CD74 Upregulated in blood cancers at low/absent CD74

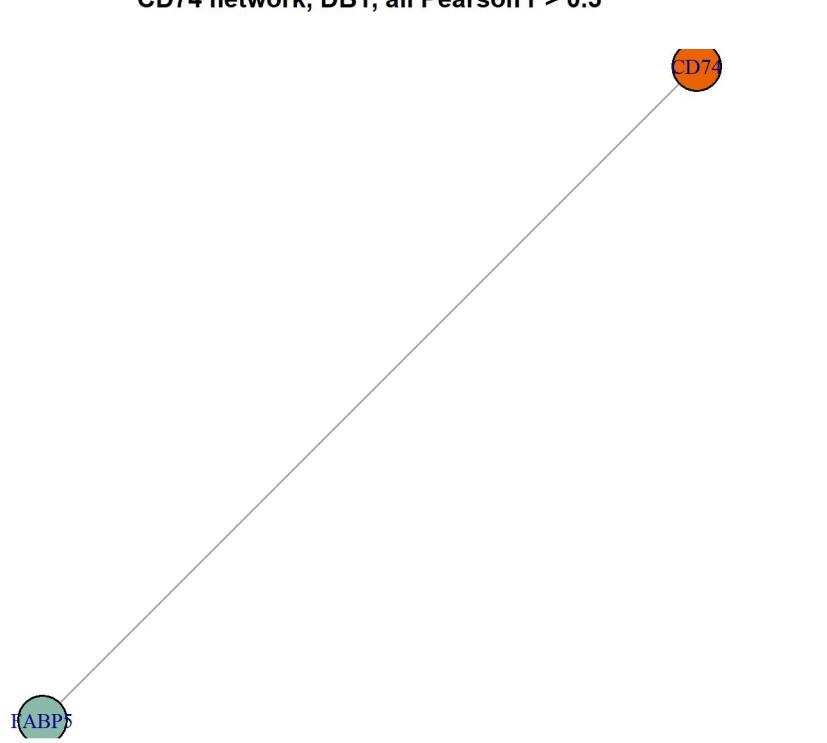
logFC	adj.P.Val	symbol	name	logFC	adj.P.Val	symbol	name
-2.38	5.72e-18	HLA-DQB1	major histocompatibility complex, c	1.54	2.23e-09	ITGA5	integrin subunit alpha 5
-2.24	2.18e-14	HLA-DPB1	major histocompatibility complex, c	1.43	2.87e-11	GNAQ	G protein subunit alpha q
-2.19	1.02e-18	HLA-DPA1	major histocompatibility complex, c	1.41	2.94e-07	LCP2	lymphocyte cytosolic protein 2
-2.02	9.09e-11	IRF4	interferon regulatory factor 4	1.39	1.84e-06	MPP1	MAGUK p55 scaffold protein 1
-1.89	3.67e-10	HLA-DRB1	major histocompatibility complex, c	1.38	9.86e-08	UNC13D	unc-13 homolog D
-1.75	1.60e-10	IKZF3	IKAROS family zinc finger 3	1.32	1.75e-04	ACTN1	actinin alpha 1
-1.74	1.65e-11	ISG20	interferon stimulated exonuclease g	1.3	4.23e-07	GLUL	glutamate-ammonia ligase
-1.7	8.66e-10	HLA-DRB3	major histocompatibility complex, c	1.29	4.87e-02	SPN	sialophorin
-1.66	1.02e-09	MS4A1	membrane spanning 4-domains A1	1.27	1.20e-06	PYGL	glycogen phosphorylase L
-1.65	3.73e-07	JCHAIN	joining chain of multimeric IgA and	1.26	1.81e-07	ARRB1	arrestin beta 1
-1.61	8.43e-10	CD22	CD22 molecule	1.19	5.45e-06	HEBP1	heme binding protein 1
-1.56	3.97e-07	CAMK2D	calcium/calmodulin dependent protein	1.19	2.33e-05	SATB1	SATB homeobox 1
-1.51	2.64e-09	CD19	CD19 molecule	1.17	9.32e-08	APOBR	apolipoprotein B receptor
-1.48	1.60e-10	CD37	CD37 molecule	1.16	2.38e-06	MYO1F	myosin IF
-1.47	2.80e-08	CD40	CD40 molecule	1.13	3.88e-06	LPCAT2	lysophosphatidylcholine acyltransferase
-1.46	1.36e-10	MAP4K1	mitogen-activated protein kinase ki	1.12	1.55e-04	MACROD1	mono-ADP ribosylhydrolase 1
-1.45	2.93e-05	ICAM1	intercellular adhesion molecule 1	1.12	4.21e-06	CPD	carboxypeptidase D
-1.44	4.69e-06	FKBP11	FKBP prolyl isomerase 11	1.11	9.99e-05	FADS2	fatty acid desaturase 2
-1.42	6.57e-05	SERPINB9	serpin family B member 9	1.1	7.61e-06	LYZ	lysozyme
-1.35	1.77e-04	CD48	CD48 molecule	1.08	6.75e-05	CTBP2	C-terminal binding protein 2
-1.32	6.43e-08	PEG10	paternally expressed 10	1.05	1.06e-02	CAPG	capping actin protein, gelsolin like
-1.31	2.95e-06	CD79B	CD79b molecule	1.05	2.26e-04	PC	pyruvate carboxylase
-1.3	2.10e-05	RFTN1	raftlin, lipid raft linker 1	1.05	3.29e-05	CTSG	cathepsin G
-1.3	6.43e-08	FCRLA	Fc receptor like A	1.01	1.36e-03	DDAH2	dimethylarginine dimethylaminohydro
-1.26	1.08e-06	NFKB2	nuclear factor kappa B subunit 2	1.01	1.15e-08	PRTN3	proteinase 3
-1.24	8.90e-07	STAT2	signal transducer and activator of	1	6.75e-05	IRF2BP2	interferon regulatory factor 2 bind
-1.23	3.66e-04	TCL1A	TCL1 family AKT coactivator A	0.99	7.73e-05	HSD17B11	hydroxysteroid 17-beta dehydrogenase
-1.22	3.87e-04	MVP	major vault protein	0.98	7.90e-06	MRC2	mannose receptor C type 2
-1.16	1.21e-05	PFKM	phosphofructokinase, muscle	0.98	3.67e-04	CLEC11A	C-type lectin domain containing 11A

Differentially expressed proteins in solid cancers at absence/low amount of CD74 , DB1  
p-value < 0.05 & logFC > 1.2

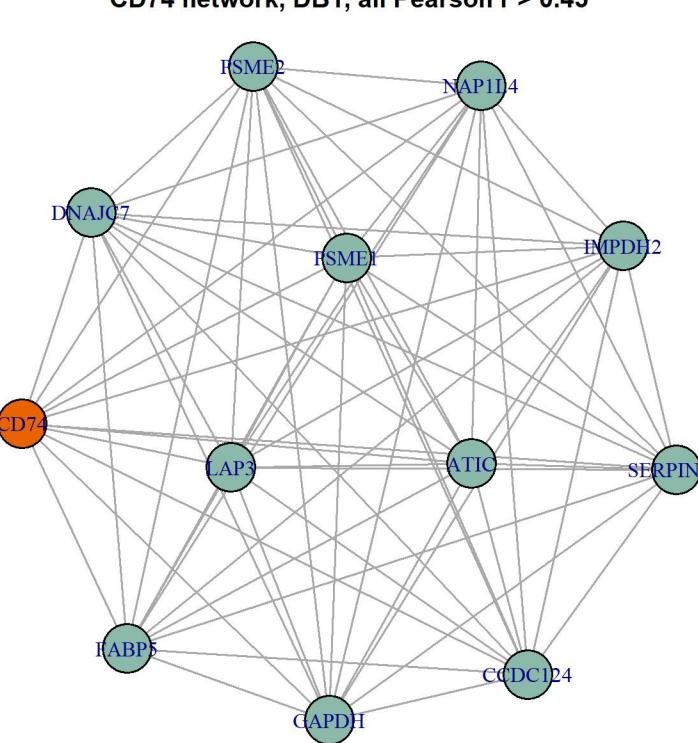
Downregulated in solid cancers at low/absent CD74 Upregulated in solid cancers at low/absent CD74

logFC	adj.P.Val	symbol	name	logFC	adj.P.Val	symbol	name
-1.26	2.53e-23	ICAM1	intercellular adhesion molecule 1	0.99	9.15e-04	UCHL1	ubiquitin C-terminal hydrolase L1
-1.1	9.18e-15	TGM2	transglutaminase 2	0.94	9.29e-06	UBE2V2	ubiquitin conjugating enzyme E2 V2
-1.08	9.30e-17	TAP2	transporter 2, ATP binding cassette	0.92	1.87e-03	CKB	creatine kinase B
-1.06	1.35e-07	LCN2	lipocalin 2	0.92	2.50e-05	NTMT1	N-terminal Xaa-Pro-Lys N-methyltran
-1.05	4.11e-10	ALDH1A3	aldehyde dehydrogenase 1 family mem	0.89	3.38e-03	BASP1	brain abundant membrane attached si
-1.04	5.03e-09	LAMC2	laminin subunit gamma 2	0.87	2.94e-07	PRPSAP2	phosphoribosyl pyrophosphate synthe
-1.03	5.19e-20	NT5E	5'-nucleotidase ecto	0.83	1.77e-07	UCK2	uridine-cytidine kinase 2
-0.99	1.66e-19	HLA-B	major histocompatibility complex, c	0.83	1.86e-07	HECTD1	HECT domain E3 ubiquitin protein li
-0.97	1.20e-17	CD59	CD59 molecule (CD59 blood group)	0.77	1.24e-06	GINS4	GINS complex subunit 4
-0.96	2.82e-09	DCBLD2	discoidin, CUB and LCCL domain cont	0.77	1.35e-05	TBCC	tubulin folding cofactor C
-0.94	5.19e-10	RBMS2	RNA binding motif single stranded i	0.77	5.94e-06	UBE2O	ubiquitin conjugating enzyme E2 O
-0.94	4.59e-09	CCDC9B	coiled-coil domain containing 9B	0.77	3.56e-04	ARPC1A	actin related protein 2/3 complex s
-0.94	9.40e-08	CAVIN3	caveolae associated protein 3	0.76	1.68e-08	XPO7	exportin 7
-0.94	2.25e-17	TAP1	transporter 1, ATP binding cassette	0.76	1.89e-04	ARHGPAP17	Rho GTPase activating protein 17
-0.93	6.74e-16	PSMB9	proteasome 20S subunit beta 9	0.76	4.24e-09	PPP2R5E	protein phosphatase 2 regulatory su
-0.92	3.42e-07	GPRC5A	G protein-coupled receptor class C	0.76	2.34e-05	PRPS1	phosphoribosyl pyrophosphate synthe
-0.92	2.09e-07	BST2	bone marrow stromal cell antigen 2	0.76	5.20e-07	F5	coagulation factor V
-0.92	1.06e-06	ACSL5	acyl-CoA synthetase long chain fami	0.75	8.34e-04	LSM1	LSM1 homolog, mRNA degradation asso
-0.91	4.32e-12	HMGA2	high mobility group AT-hook 2	0.75	3.09e-05	GSK3B	glycogen synthase kinase 3 beta
-0.91	9.18e-15	CAVIN1	caveolae associated protein 1	0.75	5.86e-04	PIN1	peptidylprolyl cis/trans isomerase,
-0.88	3.20e-06	ITGB8	integrin subunit beta 8	0.75	3.35e-05	KIF2C	kinesin family member 2C
-0.88	9.40e-08	LPCAT2	lysophosphatidylcholine acyltransfe	0.75	1.68e-09	SMAD4	SMAD family member 4
-0.87	3.43e-07	SORBS2	sorbin and SH3 domain containing 2	0.74	3.02e-05	PDCL3	phosducin like 3
-0.84	1.76e-06	KRT80	keratin 80	0.74	1.20e-05	CNOT2	CCR4-NOT transcription complex subu
-0.84	1.24e-06	MELTF	melanotransferrin	0.74	1.48e-04	CMBL	carboxymethylenebutenolidase homolo
-0.83	4.90e-06	LAMB3	laminin subunit beta 3	0.73	5.13e-06	NRDC	nardilysin convertase
-0.81	5.73e-13	SVIL	supervillin	0.73	6.17e-08	PDCL	phosducin like
-0.8	6.42e-12	HLA-DRB1	major histocompatibility complex, c	0.71	8.62e-06	PDCD2L	programmed cell death 2 like
-0.8	1.32e-07	EHHADH	enoyl-CoA hydratase and 3-hydroxyac	0.7	1.60e-03	VPS37C	VPS37C subunit of ESCRT-I

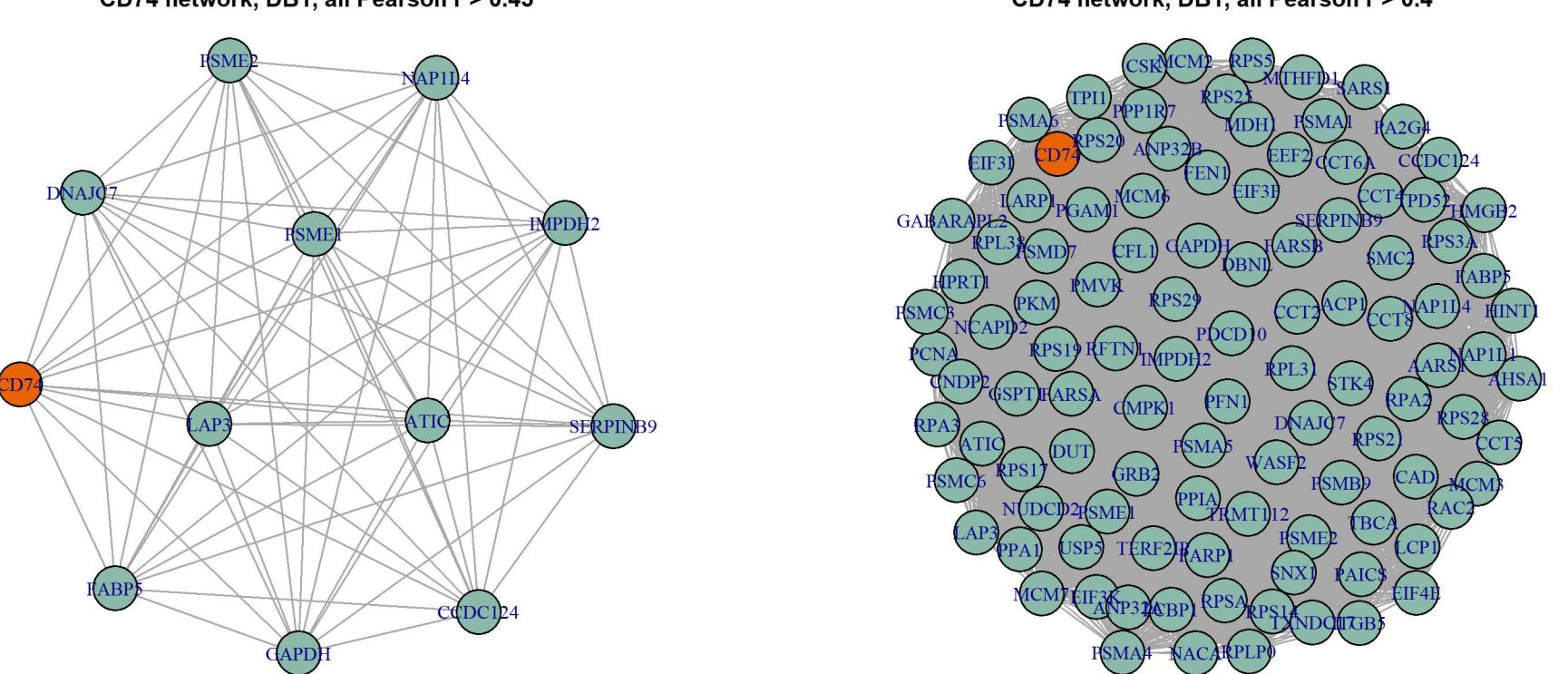
CD74 network, DB1, all Pearson r &gt; 0.5

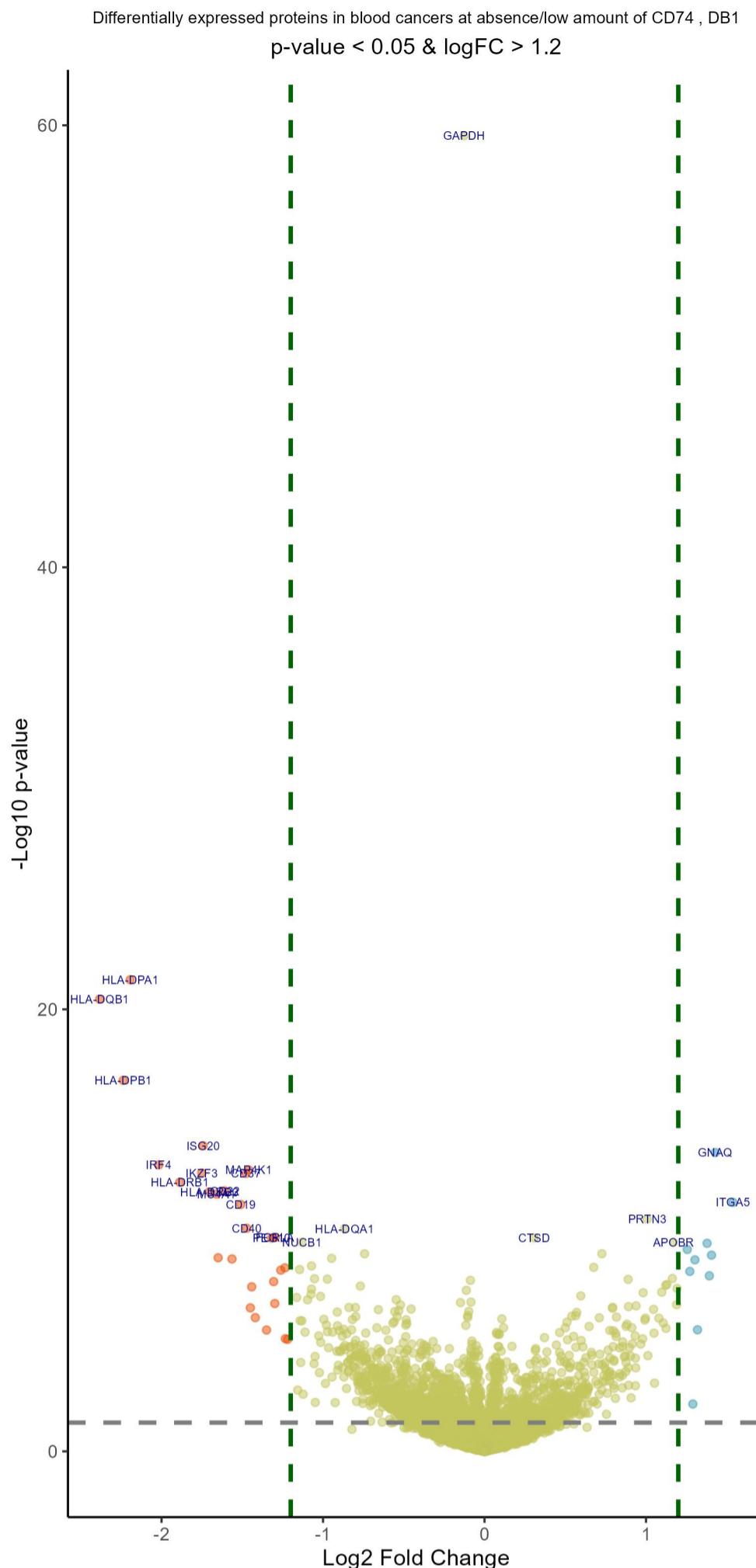


CD74 network, DB1, all Pearson r &gt; 0.45

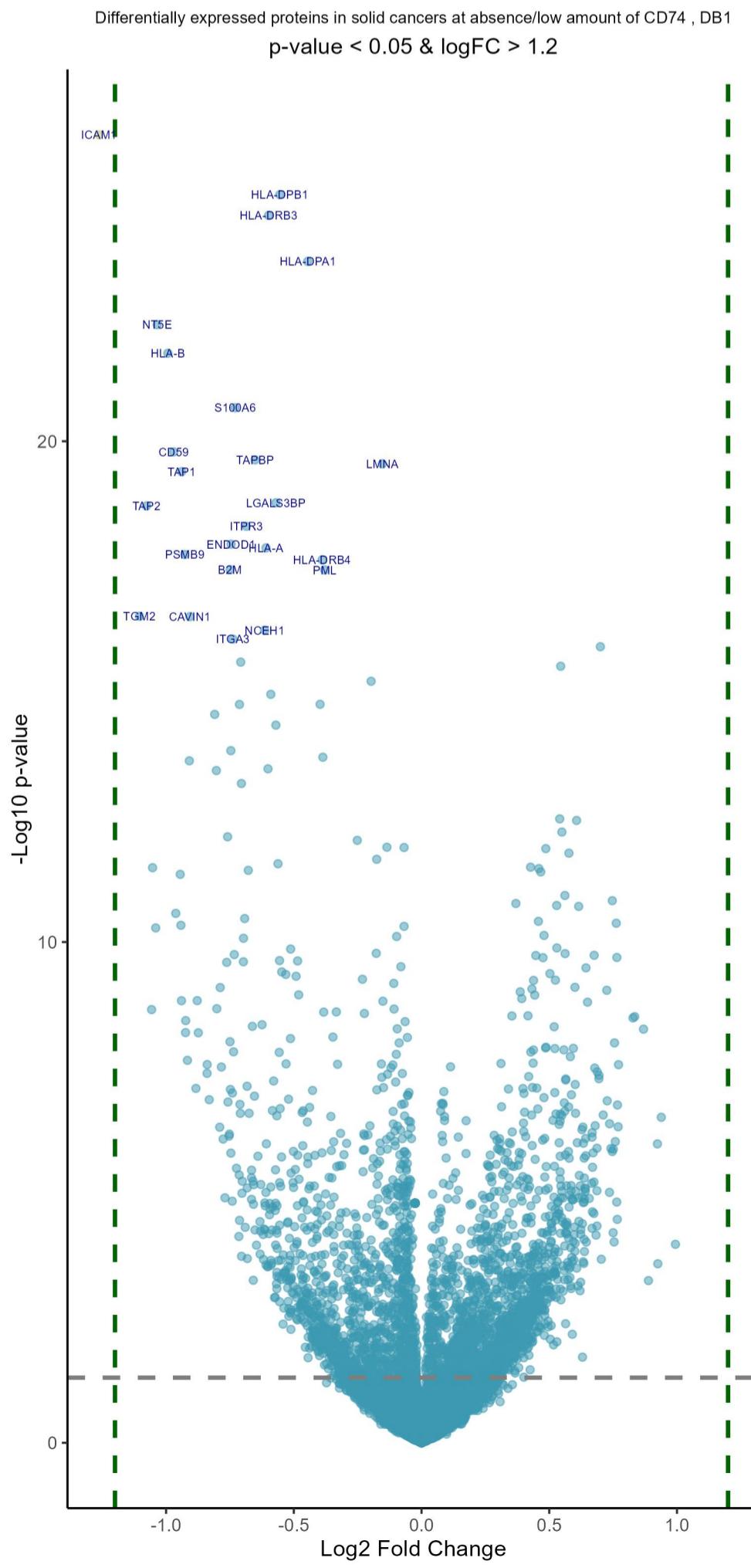


CD74 network, DB1, all Pearson r &gt; 0.4



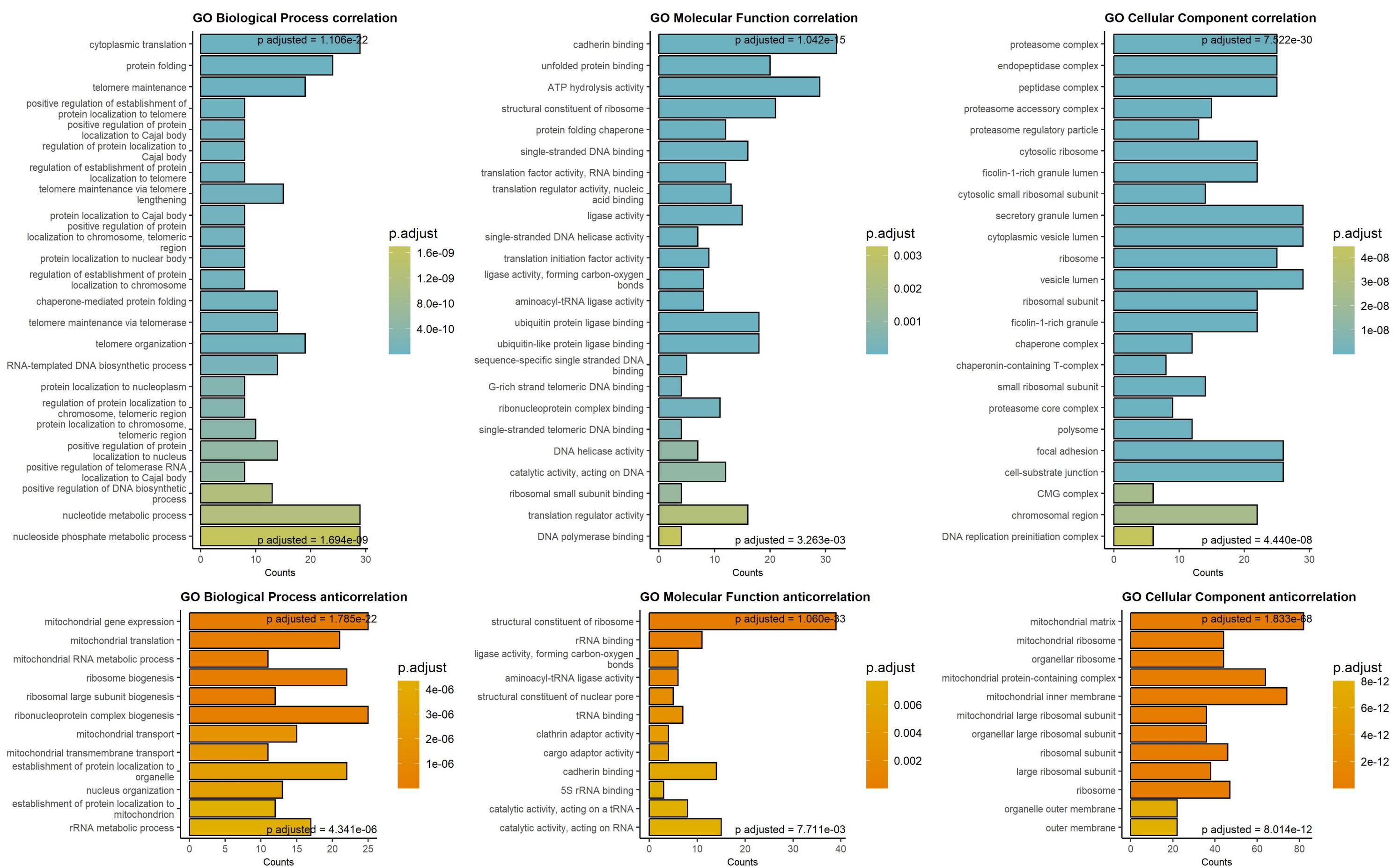


Sorted by p values!							
Downregulated in blood cancers at low/absent CD74				Upregulated in blood cancers at low/absent CD74			
logFC	adj.P.Val	symbol	name	logFC	adj.P.Val	symbol	name
0.13	1.95e-56	GAPDH	glyceraldehyde-3-phosphate dehydrog	1.43	2.87e-11	GNAQ	G protein subunit alpha q
1.19	1.02e-18	HLA-DPA1	major histocompatibility complex, c	1.54	2.23e-09	ITGA5	integrin subunit alpha 5
2.38	5.72e-18	HLA-DQB1	major histocompatibility complex, c	1.01	1.15e-08	PRTN3	proteinase 3
2.24	2.18e-14	HLA-DPB1	major histocompatibility complex, c	0.31	6.43e-08	CTSD	cathepsin D
1.74	1.65e-11	ISG20	interferon stimulated exonuclease g	1.17	9.32e-08	APOBR	apolipoprotein B receptor
2.02	9.09e-11	IRF4	interferon regulatory factor 4	1.38	9.86e-08	UNC13D	unc-13 homolog D
1.46	1.36e-10	MAP4K1	mitogen-activated protein kinase ki	1.26	1.81e-07	ARRB1	arrestin beta 1
1.75	1.60e-10	IKZF3	IKAROS family zinc finger 3	0.73	2.64e-07	AIF1	allograft inflammatory factor 1
1.48	1.60e-10	CD37	CD37 molecule	1.41	2.94e-07	LCP2	lymphocyte cytosolic protein 2
1.89	3.67e-10	HLA-DRB1	major histocompatibility complex, c	1.3	4.23e-07	GLUL	glutamate-ammonia ligase
1.61	8.43e-10	CD22	CD22 molecule	0.68	8.72e-07	IGFBP2	insulin like growth factor binding
1.17	8.66e-10	HLA-DRB3	major histocompatibility complex, c	1.27	1.20e-06	PYGL	glycogen phosphorylase L
1.66	1.02e-09	MS4A1	membrane spanning 4-domains A1	1.39	1.84e-06	MPP1	MAGUK p55 scaffold protein 1
1.51	2.64e-09	CD19	CD19 molecule	1.16	2.38e-06	MYO1F	myosin IF
1.47	2.80e-08	CD40	CD40 molecule	0.89	2.44e-06	CD33	CD33 molecule
1.87	2.80e-08	HLA-DQA1	major histocompatibility complex, c	1.13	3.88e-06	LPCAT2	lysophosphatidylcholine acyltransfe
1.13	6.43e-08	FCRLA	Fc receptor like A	1.12	4.21e-06	CPD	carboxypeptidase D
1.32	6.43e-08	PEG10	paternally expressed 10	1.19	5.45e-06	HEBP1	heme binding protein 1
1.13	9.32e-08	NUCB1	nucleobindin 1	1.1	7.61e-06	LYZ	lysozyme
1.74	2.64e-07	CEND1	cell cycle exit and neuronal differ	0.98	7.90e-06	MRC2	mannose receptor C type 2
1.65	3.73e-07	JCHAIN	joining chain of multimeric IgA and	0.6	1.06e-05	GMPR	guanosine monophosphate reductase
1.95	3.83e-07	MYO1E	myosin IE	1.19	2.33e-05	SATB1	SATB homeobox 1
1.56	3.97e-07	CAMK2D	calcium/calmodulin dependent protei	0.94	2.54e-05	FHL3	four and a half LIM domains 3
1.07	7.72e-07	STAM2	signal transducing adaptor molecule	0.89	2.72e-05	RREB1	ras responsive element binding prot
1.24	8.90e-07	STAT2	signal transducer and activator of	0.79	2.86e-05	FYB1	FYN binding protein 1
1.15	1.04e-06	IFI30	IFI30 lysosomal thiol reductase	0.79	3.00e-05	BAIAP2	BAR/IMD domain containing adaptor p
1.26	1.08e-06	NFKB2	nuclear factor kappa B subunit 2	1.05	3.29e-05	CTSG	cathepsin G
1.05	2.38e-06	SYVN1	synoviolin 1	0.57	4.21e-05	CRABP1	cellular retinoic acid binding prot
1.97	2.44e-06	RFX5	regulatory factor X5	0.57	5.73e-05	SORBS3	sorbin and SH3 domain containing 3
1.09	2.64e-06	VDAC1	voltage dependent anion channel 1	0.54	5.98e-05	BID	BH3 interacting domain death agonis
1.31	2.95e-06	CD79B	CD79b molecule	0.82	6.38e-05	PSTPIP2	proline-serine-threonine phosphatas
1.77	4.43e-06	ST6GAL1	ST6 beta-galactoside alpha-2,6-sial	0.71	6.63e-05	RAB32	RAB32, member RAS oncogene famil
1.44	4.69e-06	FKBP11	FKBP prolyl isomerase 11	1.08	6.75e-05	CTBP2	C-terminal binding protein 2
1.07	5.66e-06	AKAP13	A-kinase anchoring protein 13	1	6.75e-05	IRF2BP2	interferon regulatory factor 2 bind
1.11	6.38e-06	PSME2	proteasome activator subunit 2	0.11	7.18e-05	PSMB6	proteasome 20S subunit beta 6
1.07	9.05e-06	FAS	Fas cell surface death receptor	0.99	7.73e-05	HSD17B11	hydroxysteroid 17-beta dehydrogenas
1.02	1.09e-05	TIGAR	TP53 induced glycolysis regulatory	0.51	9.29e-05	FCER1G	Fc epsilon receptor Ig
1.16	1.21e-05	PFKM	phosphofructokinase, muscle	1.11	9.99e-05	FADS2	fatty acid desaturase 2
1.55	1.49e-05	API_3	ADP ribosylation factor like GTPase	0.88	1.11e-04	CD3E	CD3 epsilon subunit of T cell recep

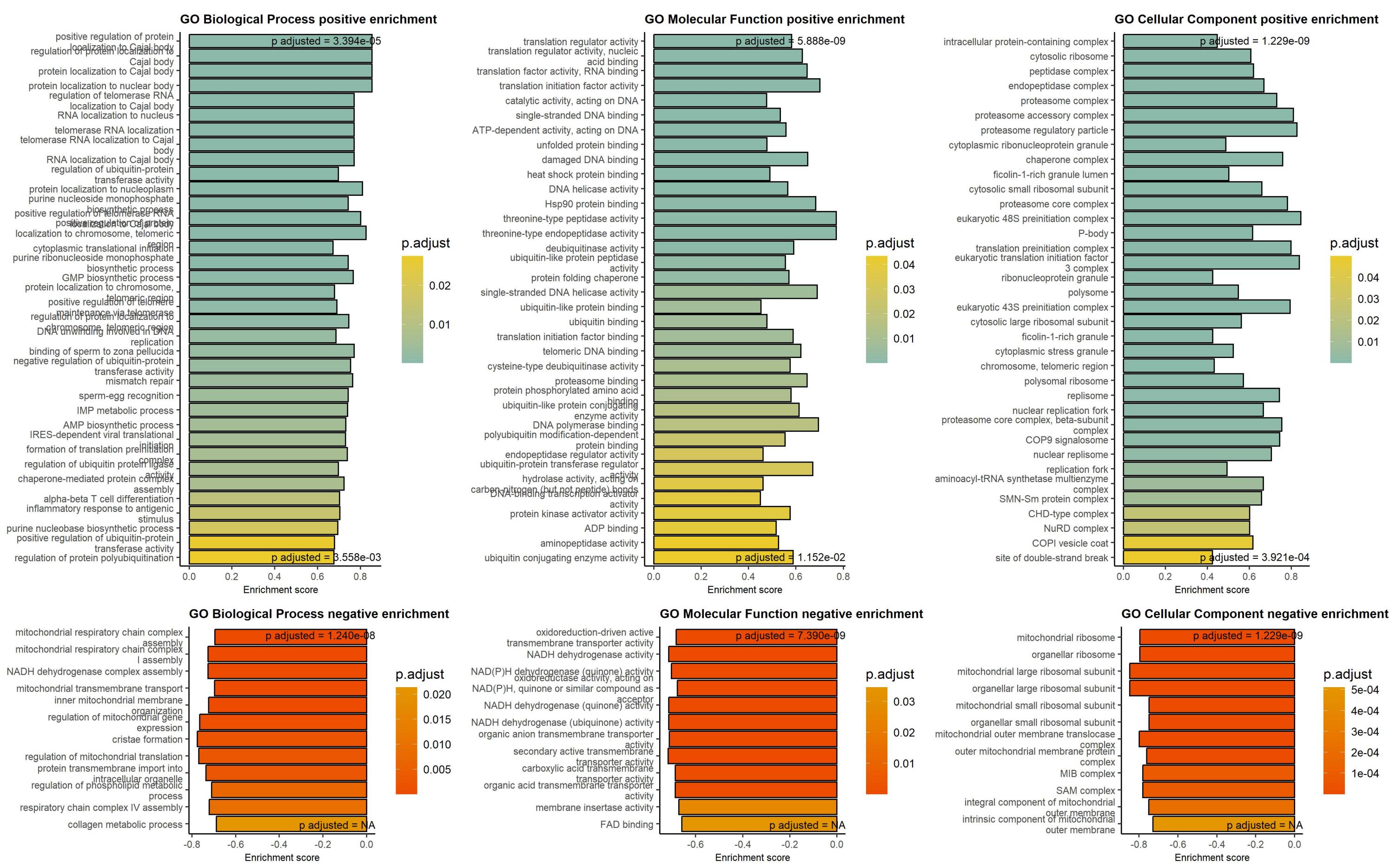


Sorted by p values!							
Downregulated in solid cancers at low/absent CD74				Upregulated in solid cancers at low/absent CD74			
FC	adj.P.Val	symbol	name	logFC	adj.P.Val	symbol	name
26	2.53e-23	ICAM1	intercellular adhesion molecule 1	0.7	3.24e-14	CRMP1	collapsin response mediator protein
55	2.64e-22	HLA-DPB1	major histocompatibility complex, c	0.54	7.38e-14	MAPT	microtubule associated protein tau
6	5.14e-22	HLA-DRB3	major histocompatibility complex, c	0.54	5.63e-11	GSK3A	glycogen synthase kinase 3 alpha
45	3.41e-21	HLA-DPA1	major histocompatibility complex, c	0.61	5.90e-11	CDC34	cell division cycle 34, ubiquitin c
03	5.19e-20	NT5E	5'-nucleotidase ecto	0.55	9.84e-11	HPF1	histone PARylation factor 1
99	1.66e-19	HLA-B	major histocompatibility complex, c	0.49	1.89e-10	SEPTIN5	septin 5
73	1.78e-18	S100A6	S100 calcium binding protein A6	0.58	2.28e-10	DPYSL4	dihydropyrimidinase like 4
97	1.20e-17	CD59	CD59 molecule (CD59 blood group)	0.43	4.09e-10	WASF1	WASP family member 1
65	1.56e-17	TAPBP	TAP binding protein	0.46	4.20e-10	PRR36	proline rich 36
15	1.70e-17	LMNA	lamin A/C	0.47	4.72e-10	SEPTIN3	septin 3
94	2.25e-17	TAP1	transporter 1, ATP binding cassette	0.56	1.35e-09	QRICH1	glutamine rich 1
57	8.66e-17	LGALS3BP	galectin 3 binding protein	0.75	1.68e-09	SMAD4	SMAD family member 4
08	9.30e-17	TAP2	transporter 2, ATP binding cassette	0.37	1.88e-09	NAA30	N-alpha-acetyltransferase 30, NatC
69	2.21e-16	ITPR3	inositol 1,4,5-trisphosphate recept	0.53	2.03e-09	DPYSL5	dihydropyrimidinase like 5
75	4.73e-16	ENDOD1	endonuclease domain containing 1	0.62	2.08e-09	MAP1A	microtubule associated protein 1A
61	5.26e-16	HLA-A	major histocompatibility complex, c	0.46	3.94e-09	TCF12	transcription factor 12
93	6.74e-16	PSMB9	proteasome 20S subunit beta 9	0.76	4.24e-09	PPP2R5E	protein phosphatase 2 regulatory su
39	8.15e-16	HLA-DRB4	major histocompatibility complex, c	0.48	7.01e-09	CRABP1	cellular retinoic acid binding prot
75	1.18e-15	B2M	beta-2-microglobulin	0.53	1.19e-08	TIMELESS	timeless circadian regulator
38	1.18e-15	PML	PML nuclear body scaffold	0.56	1.49e-08	HECTD3	HECT domain E3 ubiquitin protein li
.1	9.18e-15	TGM2	transglutaminase 2	0.68	1.56e-08	TXLNG	taxilin gamma
91	9.18e-15	CAVIN1	caveolae associated protein 1	0.45	1.56e-08	SPC25	SPC25 component of NDC80 kinetoch
61	1.65e-14	NCEH1	neutral cholesterol ester hydrolase	0.76	1.68e-08	XPO7	exportin 7
74	2.37e-14	ITGA3	integrin subunit alpha 3	0.48	1.68e-08	CDKN2C	cyclin dependent kinase inhibitor 2
71	6.33e-14	S100A10	S100 calcium binding protein A10	0.64	2.51e-08	SHPK	sedoheptulokinase
2	1.42e-13	PLEC	plectin	0.5	3.19e-08	KNSTRN	kinetochore localized astrin (SPAG5
59	2.51e-13	PLP2	proteolipid protein 2	0.52	4.12e-08	RNASEH2B	ribonuclease H2 subunit B
4	3.74e-13	HLA-DQB1	major histocompatibility complex, c	0.44	4.13e-08	PDCD2	programmed cell death 2
71	3.74e-13	LGALS3	galectin 3	0.6	5.55e-08	SCML2	Scm polycomb group protein like 2
81	5.73e-13	SVIL	supervillin	0.43	5.86e-08	TAGLN3	transgelin 3
57	9.11e-13	ANXA1	annexin A1	0.73	6.17e-08	PDCL	phosducin like
75	2.86e-12	APOL2	apolipoprotein L2	0.39	6.57e-08	CEP97	centrosomal protein 97
39	3.77e-12	ITGAV	integrin subunit alpha V	0.44	7.47e-08	C1orf122	chromosome 1 open reading frame 122
91	4.32e-12	HMGAA2	high mobility group AT-hook 2	0.39	8.69e-08	DCAF16	DDB1 and CUL4 associated factor 16
6	6.08e-12	MYOF	myoferlin	0.65	9.86e-08	ASMTL	acetylserotonin O-methyltransferase
8	6.42e-12	HLA-DRB1	major histocompatibility complex, c	0.42	1.73e-07	SPAG5	sperm associated antigen 5
71	1.13e-11	ITGA2	integrin subunit alpha 2	0.35	1.73e-07	SIRT1	sirtuin 1
76	1.20e-10	FNDC3B	fibronectin type III domain contain	0.83	1.77e-07	UCK2	uridine-cytidine kinase 2
25	1.22e-10	FAM32C	FAM32c, putative anti-apoptotic gene	0.26	1.82e-07	HECTD1	HECT domain E3 ubiquitin protein li

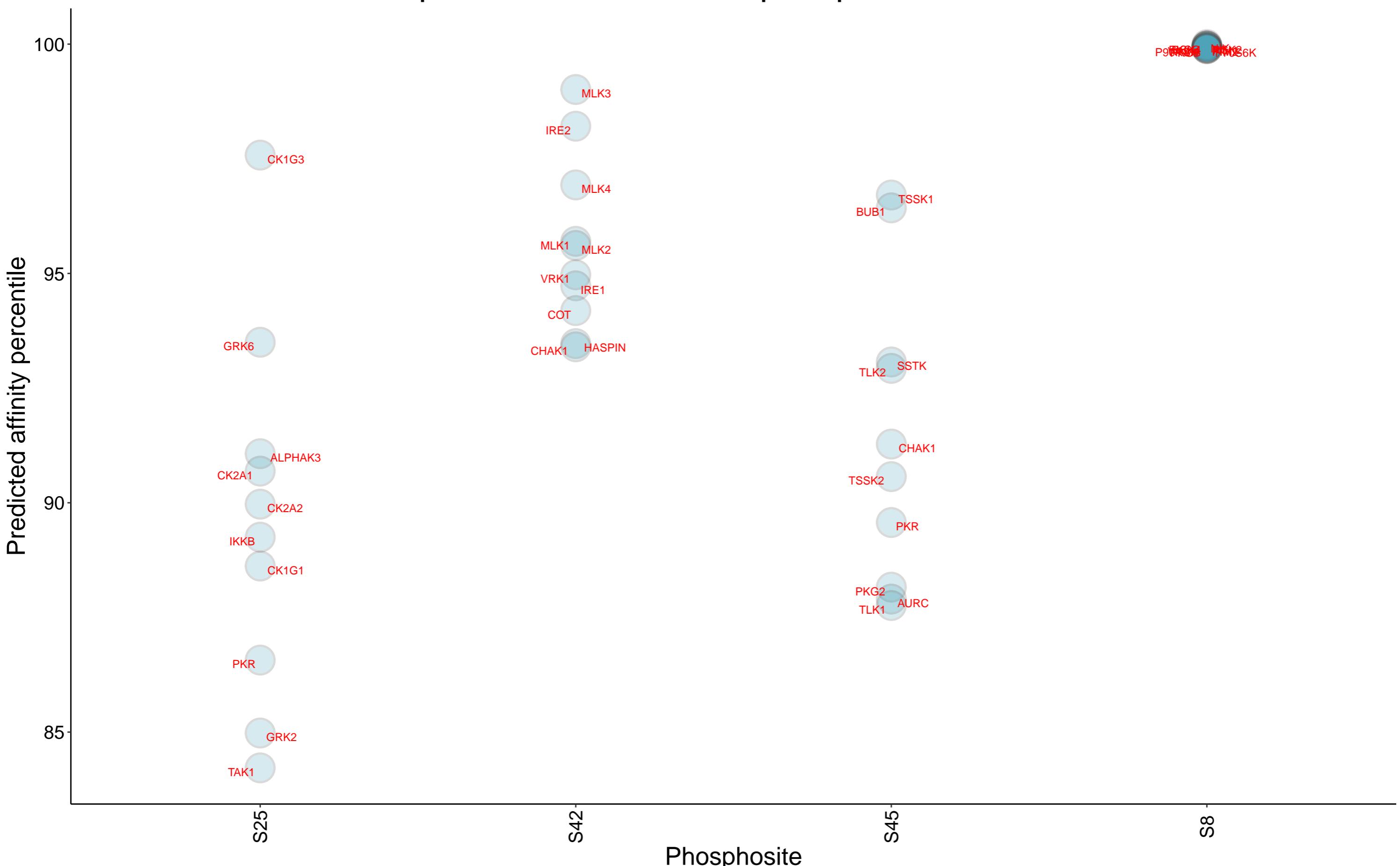
# Top 250 correlation coefficients overrepresentation, CD74 protein, DB1



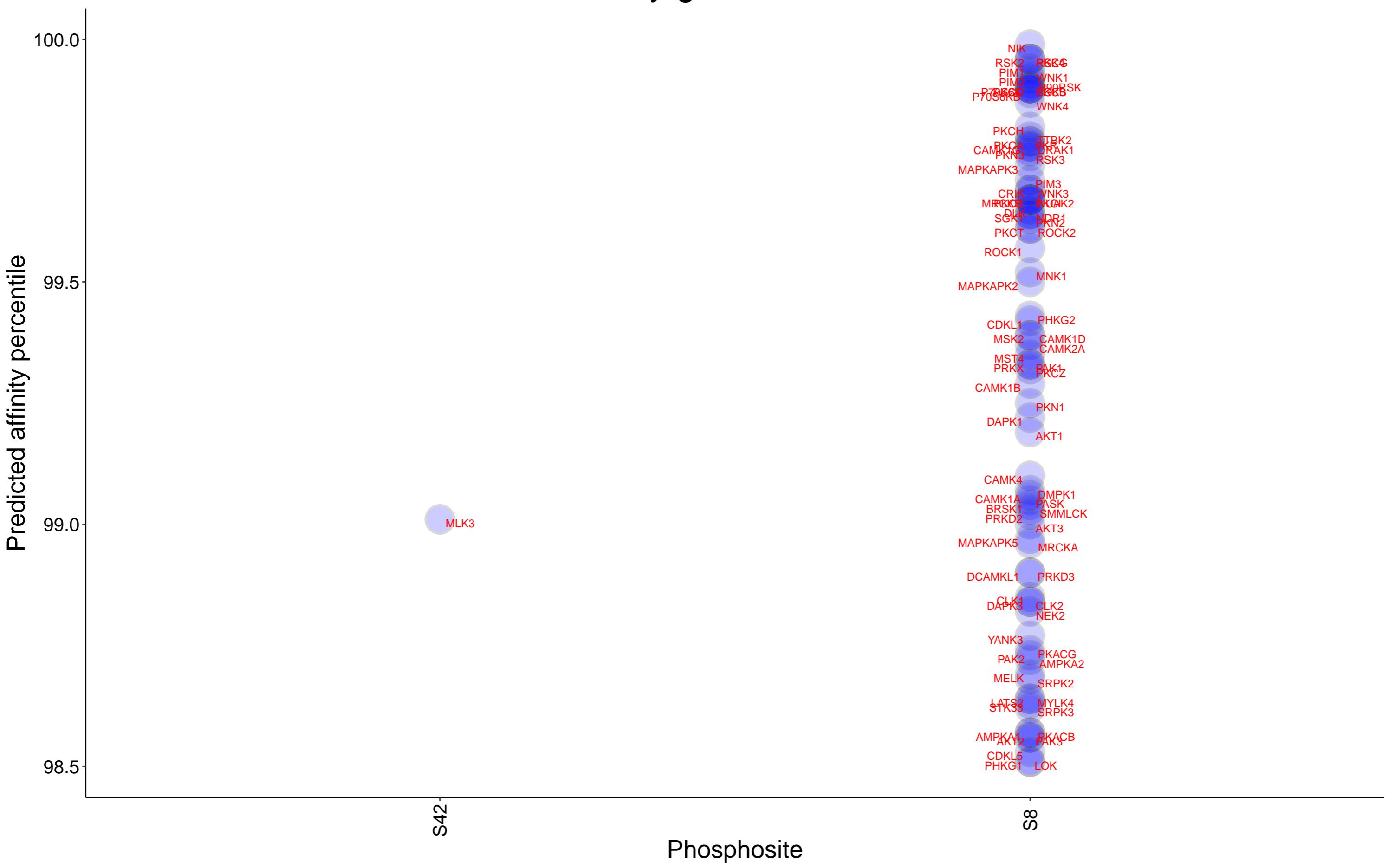
## Gene Set Enrichment analysis on protein correlation coefficients, CD74 protein, DB1



# Top 10 kinases for each phosphosite in CD74

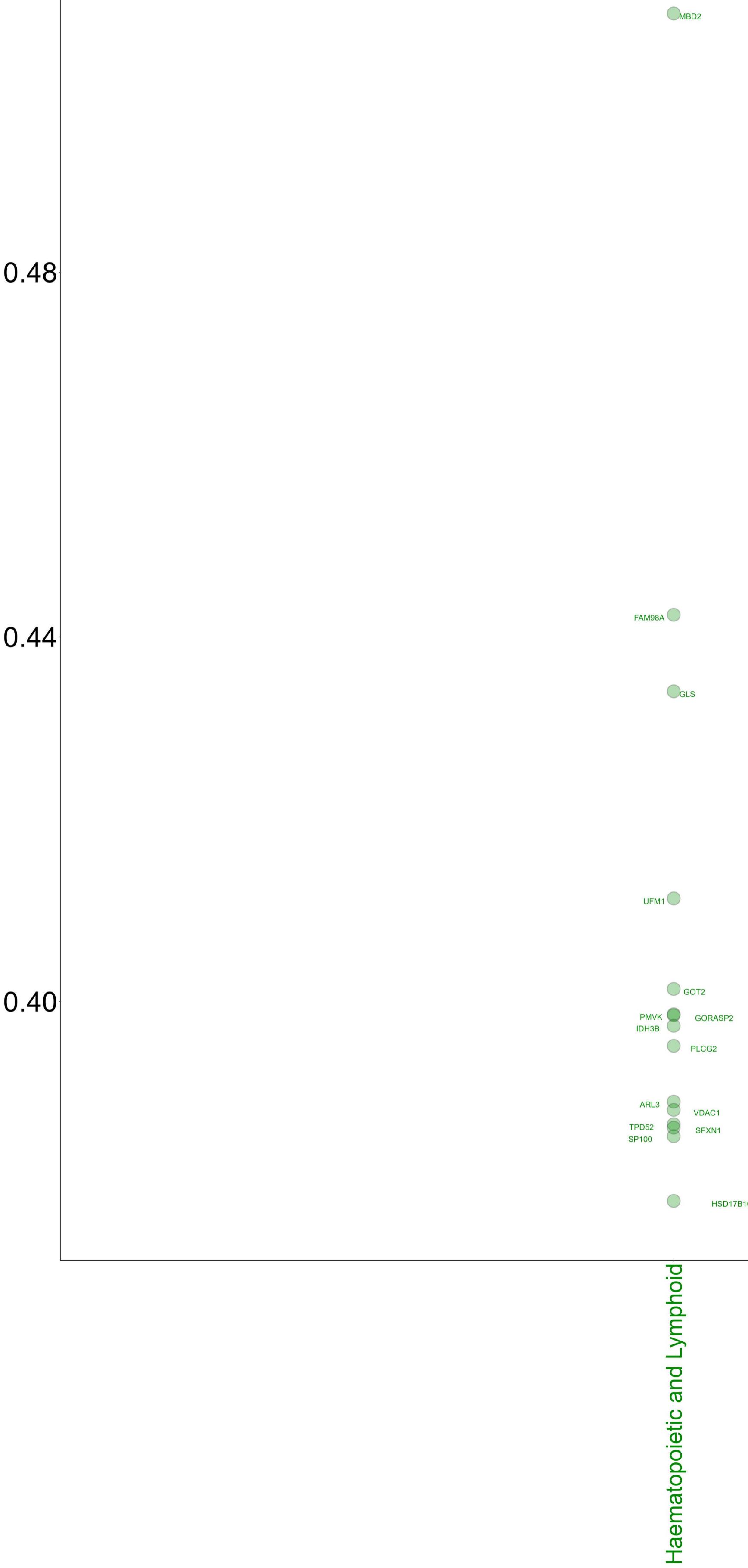


## Kinases with affinity greater than 98.5% to CD74



# Top 15 positive correlation coefficients for CD74 protein by tissue, DB1

Beware of false positives in tissues with small number of samples



Haematopoietic and Lymphoid