

**EXPERIMENT: is-cap-co-cd good (n=3 corpus)**

Gene Name- ordered by most highly expressed and descending	Systematic name/position on membrane	CAUDA											
		control		12 hour		1 day		2 day		3 day		7 day	
		Normalized	SEM	Normalized	SEM	Normalized	SEM	Normalized	SEM	Normalized	SEM	Normalized	SEM
clusterin (CLU); testosterone-repressed prostate message 2 (TRPM2); apolipoprotein J (APOJ); sulfated glycoprotein 2 (SGP2); dimeric acid glycoprotein (DAG)	B3d	14.7	3.9	4.6	1	18.7	4.5	57.9	27.3	79	32.2	148.6	27.2
40S ribosomal protein S29 (RPS29)	G21	204	27.9	177.1	68.5	175.7	16.4	111.4	21.7	130.8	17.1	141.8	45.2
cytoplasmic beta-actin (ACTB)	G19	65.6	11.7	81.9	20.6	134.1	12.7	163.4	20.6	157.8	27.5	125.6	29.5
thymosin beta-10 (TMSB10; THYB10); PTMB10	E5m	15.9	1.7	15.7	2.8	25.2	3.8	47.4	11.3	38.7	3.4	53.2	8.2
tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein zeta polypeptide (YWHAZ); 14-3-3 protein zeta/delta; protein kinase C inhibitor protein 1 (KCIP1); mitochondrial import stimulation factor S1 subunit	D7a	18.3	2.1	13.7	1.4	19.6	1.2	22.2	3.6	22.2	1.3	14.6	2.3
protein disulphide isomerase (PDI)	C4n	31.7	2.1	30.6	2.8	27.5	2.9	19.9	1.9	21.2	1.5	28.7	5.2
ribosomal protein L13A	C6k	48.1	7.9	50.9	10.3	50	6.4	42.4	6.1	63.7	5	63	11.2
gamma-glutamyl hydrolase precursor	C2k	2.8	0.6	2.1	0.5	2.2	0.2	1.7	0.4	2.7	0.5	1.1	0.3
vimentin (VIM)	E3d	9.5	1.1	8.4	1.3	13.3	1.9	13	3	25.3	4.7	14.6	6.5
prothymosin-alpha (PTMA)	E5f	8.2	1.5	4.7	1.9	10.4	3.2	8.9	1	8.1	1.6	7.8	1.9
heat shock 90-kDa protein beta (HSP90-beta); HSP84; HSPCB	C5l	26.2	1.8	28.4	4.1	27.6	2.6	34.8	6.9	33.8	1.8	35	5.4
creatine kinase b	B5e	35.3	3.5	54	7.2	60.3	15.6	42.6	13.2	35.6	9.8	58.8	4.1
histone 2A	D1e	5.9	0.8	6.5	0.4	8	2	12.5	2.4	18.3	4	11.9	3.1
mitochondrial aspartate aminotransferase	B7a	11.6	2	8.6	2	12.4	1.6	10.4	1.3	8.3	1.4	10.3	1.3
DNA-binding protein A (DBPA); cold shock domain protein A (CSDA); Y-box-binding protein A (RYBA); muscle Y-box protein 2 (YB2)	D1h	4.7	0.5	5.9	0.7	7.5	1.1	7.1	2.2	6.1	0.8	6	1.1
inhibitor of DNA binding 2 (ID2)	A2f	10.6	1	9.8	1	9.3	0.7	6.4	1.9	8.3	1.6	5.3	2.3
40S ribosomal protein S19 (RPS19)	C6g	20.6	3.2	16.4	5.5	27.7	3.6	21.9	4.9	34	7.3	19.9	5.6
annexin V (ANX5); lipocortin 5; placental anticoagulant protein I (PAP-I); endonexin II; calphobindin I (CBP-I); PP4; thromboplastin inhibitor; vascular anticoagulant alpha (VAC-alpha); anchorin CII	B3i	4.8	0.9	4.4	0.5	6.5	0.8	7.8	0.9	9.5	0.9	7.7	1.2
microsomal glutathione S-transferase 1 (MGST1); GST12	B1a	3.8	0.8	2.1	0.2	4	0.7	3.9	1	6.4	0.6	3.9	1.1
alpha-2 macroglobulin	E1l	2.1	0.4	2.5	0.5	2.7	0.7	5.4	2	3.8	0.9	7.7	2.8
heterogeneous nuclear ribonucleoprotein K (HNRNPK); dC-stretch binding protein (CSBP); transformation upregulated nuclear protein (TUNP)	D1b	4.8	1	4	0.4	4.5	1.7	3.4	0.4	7.2	0.8	3.3	0.6
contrapsin-like protease inhibitor related protein; SPI-3 serine protease inhibitor	E1n	3.1	0.7	3.3	1.4	4.5	1	2.8	0.4	3.9	1.3	4.5	1.6
dual-specificity mitogen-activated protein kinase kinase 2 (MAP kinase kinase 2; MAPKK2; MAP2K2; MKK2; PRKMK2); extracellular signal-regulated kinase activator kinase 2 (ERK activator kinase 2); MEK2	D5f	3	0.2	3.8	0.4	3.3	0.5	3.5	0.3	3.3	0.4	3.4	0.5
proliferating cell nuclear antigen (PCNA); cyclin	E3i	3.2	0.3	2.8	0.5	3.3	0.2	3.3	0.4	3.3	0.3	2.4	0.6
eukaryotic peptide chain release factor subunit 1 (ERF1); TB3-1; C11 protein [rat homolog of human]	C6l	5.7	0.4	6.1	0.4	5.1	0.8	4.3	0.9	5.2	0.6	3.5	0.9
heat shock 47-kDa protein (HSP47); collagen-binding protein 1 (CBP1)	A7e	4.8	0.3	4.6	0.2	8.7	0.7	7.1	1.3	6.5	1.3	5.1	1.5
myeloid cell differentiation protein-1	C7k	2.1	0.3	2.2	0.6	2.8	0.3	3.5	0.5	3.8	0.6	3.2	0.9
c-jun proto-oncogene; transcription factor AP1	A1k	2.1	0.2	1.7	0.1	3.8	0.9	4.8	0.5	4.3	1	4.5	0.9
mitochondrial uncoupling protein 2 (UCP2)	E5g	1	0.1	0.6	0.2	1.3	0.3	1.1	0.2	1.5	0.3	1	0.3
T-cell cyclophilin	C4k	5.8	0.4	5.4	0.6	8.6	1.1	6.7	1.3	8.8	1.4	3	0.8
RL/IF-1	A2c	2.8	0.2	1.5	0.5	3.1	0.5	2.1	0.4	3.2	0.7	1.4	0.2
17-kDa ubiquitin-conjugating enzyme E2 (UBE2B); ubiquitin-protein ligase; ubiquitin carrier protein; HR6B	D7n	2	0.2	1.5	0.4	2.9	0.3	2.3	0.5	2.8	0.3	2.5	0.5
p23; 23-kDa progesterone receptor-associated protein [rat homolog of human]	C4m	2.6	0.4	2.5	0.6	2.1	0.6	1.9	0.3	2.7	0.6	1.6	0.4

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		Normalized	SEM	Normalized	SEM	Normalized	SEM	Normalized	SEM	Normalized	SEM	Normalized	SEM
GOS24 (zinc finger transcriptional regulator)	A1a	4.4	0.6	3.8	0.9	6.2	0.9	2.9	0.9	3.5	0.7	4.2	0.6
40S ribosomal protein S3 (RPS3)	C6f	3	0.2	2.4	0.3	4.2	0.8	3.5	0.3	4.7	0.7	3.4	0.7
thioredoxin	C3m	4.4	0.5	3.2	0.6	3	0.4	2.2	0.2	2.3	0.3	2.2	0.4
40S ribosomal protein S5 (RPS5)	C6h	2.5	0.3	2.4	0.5	3.2	0.5	2.8	0.4	3.9	0.6	2.8	0.5
tumor necrosis factor receptor 1 precursor (TNFR1)	C7b	1.7	0.2	2.6	0.2	3.2	0.6	4.1	1.1	3.1	0.4	3	0.8
apolipoprotein E precursor (APOE)	B4k	2.7	0.3	1.8	0.6	3.6	0.8	2.3	0.3	3.2	0.4	6.7	1.1
OB-cadherin 1	A5a	3.2	0.4	2	0.3	2.8	0.5	2.3	0.2	3.1	0.6	4.8	0.6
adenine nucleotide translocator 1	B5i	3.7	0.2	2.5	0.6	4.9	0.8	3.8	0.6	4.6	0.7	2.7	0.6
metallothionein 3	E6a	1	0.1	1.6	0.4	1.2	0.4	1.1	0.4	0.6	0.2	1.6	0.3
enolase alpha	B5g	2.3	0.2	2.3	0.2	3.7	0.3	3.7	0.6	2.7	0.4	2.2	0.4
mannose-6-phosphate/insulin-like growth factor II receptor (M6P/IGFR2)	B4g	1.8	0.3	1.8	0.2	2.4	0.4	2.7	0.3	2.1	0.2	2.7	0.2
V(D)J recombination activating protein 1 (RAG1)	E4l	1.7	0.4	2.2	0.9	1.9	0.6	1.3	0.3	2.4	1.1	2.8	0.9
G1/S-specific cyclin D2 (CCND2); vin-1 proto-oncogene	A3i	5.9	0.4	4.7	0.3	2.7	0.4	2.1	0.4	2.5	0.2	1.9	0.4
heme oxygenase 2 (HMOX2; HO2)	B7c	1.5	0.1	1.3	0.3	1.9	0.3	1.6	0.1	1.3	0.1	1.6	0.2
membrane-bound + soluble catechol-O-methyltransferase (MB-COMT + S-COMT)	B2c	5.2	0.7	6.3	1	11.1	1.4	7.2	0.5	6.8	1.3	8.2	0.8
CDC37	A4h	1.6	0.1	1	0.3	1.7	0.3	1.6	0.3	1.8	0.3	1.7	0.3
heat shock 60-kDa protein (HSP60); 60-kDa chaperonin (CPN60); GroEL homolog;													
mitochondrial matrix protein P1; p60 lymphocyte protein	C5h	2.1	0.3	1.9	0.3	1.9	0.3	1.7	0.3	2.4	0.5	1	0.2
ribosomal protein S9	C6i	2.2	0.5	1.4	0.7	2.1	0.4	1.7	0.4	3.2	0.8	1.2	0.2
mitogen-activated protein kinase 2 (MAPK2; PRKM2); MAPK1; extracellular signal-													
regulated kinase 2 (ERK2); ERT1	D5i	2	0.3	2.6	0.3	1.9	0.3	2.4	0.3	2.2	0.3	3	0.5
high mobility group protein 2 (HMG2)	D1d	1.6	0.2	1.8	0.3	1.8	0.2	2	0.3	3.3	0.3	2	0.6
extracellular signal-regulated kinase 3 (ERK3); mitogen-activated protein kinase 3													
(MAP kinase 3; MAPK3); p55-MAPK	D5d	1.7	0.3	1.6	0.1	1.6	0.1	1.7	0.2	1.4	0.1	0.7	0.1
inhibitor of DNA binding 1 (ID1)	A2e	7.9	1.1	4.7	0.4	5.2	0.7	4.3	0.8	4.8	0.7	2.4	0.6
heat shock 70-kDa protein (HSP70)	C5i	6.8	1.1	6.9	1	6.9	1.4	5.2	0.6	4.3	0.6	3.2	0.4
mitogen-activated protein kinase 3 (MAPK3; PRKM3); MAPK1; MNK1; extracellular													
signal-regulated kinase 1 (ERK1); ERT2; insulin-stimulated microtubule-associated													
protein 2 kinase (MAP2 kinase)	D5h	2.6	0.5	2.1	0.3	2.6	0.4	2	0.4	3	0.3	1.6	0.3
structure-specific recognition protein 1 (SSRP1); recombination signal sequence													
recognition protein; T160; CIIDBP	D1j	1.6	0.2	1.4	0.2	1.5	0.3	1.3	0.2	1.7	0.2	1.5	0.3
retinoid X receptor alpha (RXR-alpha; RXRA); nuclear receptor subfamily 2 group B													
member 1 (NR2B1)	D2c	1.4	0	1.5	0.1	1.7	0.2	1.3	0.1	2	0.1	1.8	0.3
purine-rich single-stranded DNA-binding protein alpha (PURA) [rat homolog of													
human]	E5d	1.8	0.2	1.9	0.2	2.4	0.2	2	0.2	2	0.2	1.4	0.1
T-complex protein 1 alpha subunit (TCP1-alpha); CCT-alpha (CCTA; CCT1)	C5g	1.4	0.2	1.3	0.3	1.6	0.2	1.7	0.4	2.6	0.4	1.1	0.2
NADH-cytochrome b5 reductase; DIA1	C3b	2.7	0.4	1.6	0.4	3.3	0.7	2.4	0.5	3.6	0.6	2.1	0.6
dual-specificity mitogen-activated protein kinase kinase 5 (MAP kinase kinase 5;													
MAPKK5; extracellular signal-regulated kinase activator kinase 5 (ERK kinase 5);													
MEK5	D6b	1.2	0.1	0.9	0.1	0.8	0.1	0.8	0.1	1	0.1	1.5	0.2
R-PTP-A; receptor protein-tyrosine phosphatase alpha	E2g	1.3	0.2	0.9	0.2	1.2	0.1	1	0.2	1.3	0.2	0.7	0.2
glucose-6-phosphate dehydrogenase	B5d	0.9	0.1	1.2	0.2	0.8	0.4	1.1	0.6	0.9	0.3	1.1	0.2
growth arrest and DNA-damage-inducible protein 45 (GADD45)	B3f	1.2	0.1	0.7	0.1	0.9	0.1	0.7	0.1	0.8	0.1	0.6	0.2
biliverdin reductase	C1k	2.1	0.2	1.9	0.1	2	0.3	1.4	0.2	2.2	0.2	2.2	0.6

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		Normalized	SEM	Normalized	SEM	Normalized	SEM	Normalized	SEM	Normalized	SEM	Normalized	SEM
cyclin-dependent kinase 4 (CDK4); cell division protein kinase 4; PSK-J3	A3l	1	0.1	1	0	1.1	0.3	1.2	0.2	1.3	0.3	0.7	0.2
sodium-dependent neutral amino acid transporter 2 (ASCT2)	B3m	0.4	0	0.4	0.1	0.4	0.1	0.4	0	0.4	0.1	0.4	0.1
integrin beta 1 (ITGB1); fibronectin receptor beta subunit precursor (FNRB)	D1l	0.8	0.2	1	0.3	1.8	0.5	1.2	0.3	2.3	0.9	0.7	0.1
serine/threonine-protein kinase PAK-gamma; p21-activated kinase 2 (PAK2)	D6a	0.9	0.2	0.6	0.2	0.9	0.1	1	0.2	1.2	0.1	0.7	0.1
cyclin-dependent kinase inhibitor p27 (p27KIP1)	A4e	1.2	0.1	0.8	0.1	1.6	0.2	1.1	0.2	1.3	0.2	1.6	0.4
P450 IB1; C3H cytochrome P450; CYP1B1	B5j	0.6	0.1	0.6	0	0.9	0.1	0.8	0.1	0.9	0.2	0.6	0.1
nucleophosmin (NPM); nucleolar phosphoprotein B23; numatrin; nucleolar protein NO38	C6m	0.5	0.1	0.6	0.2	0.5	0.1	0.7	0.1	1.2	0.3	0.4	0.1
ornithine decarboxylase (ODC)	G14	3.6	0.7	4.9	0.6	4.1	0.3	2.5	0.4	3	0.9	1.8	0.2
poly(ADP-ribose) polymerase (PARP); NAD+ ADP-ribosyltransferase (ADPRT)	C6d	0.8	0.1	0.8	0	1	0.2	1.1	0.1	1.1	0.1	1	0.2
T-complex protein 1 eta subunit (TCP1-eta); CCT-eta (CCTH; CCT7); HIV-1 NEF interacting protein [rat homolog of human]	C5d	1	0.1	1.2	0.1	1.7	0.3	1.7	0.3	1.8	0.2	0.8	0.1
matrix metalloproteinase 14 precursor (MMP14); membrane-type matrix metalloproteinase 1 (MT-MMP1)	E1c	0.7	0.1	0.7	0.2	0.9	0.1	1	0.2	1.3	0.3	1.3	0.2
insulin-like growth factor binding protein 2 (IGF-binding protein 2; IGFBP2; IBP2); BRL-BP	A5j	2.7	0.1	2.6	0.2	4	0.8	2.8	0.5	3.5	0.1	1.1	0.3
octamer binding protein 1	A1g	1.2	0.2	1.1	0.1	0.9	0	0.8	0.1	1	0.1	0.9	0.1
chloride channel RCL1	D7g	0.7	0.1	1	0.1	0.9	0.2	1	0.1	1.2	0.1	0.9	0.1
carbonic anhydrase III (CA3); carbonate dehydratase III	B4l	0.7	0.2	0.2	0.1	0.3	0.2	0.5	0.3	1	0.4	0.3	0.2
G/T mismatch-specific thymine DNA glycosylase (TDG) [rat homolog of human]	E4e	1.2	0.1	1.3	0.1	1	0.1	0.9	0.1	1.1	0.1	0.9	0.1
mitogen-activated protein kinase 9 (MAPK9; PRKM9); c-jun N-terminal kinase 2 (JNK2); stress-activated protein kinase alpha (SAPK-alpha)	D6d	0.7	0.1	0.7	0.1	0.6	0.1	0.7	0.1	0.8	0.1	1.2	0.2
cAMP-responsive element-binding protein 1 (CREB1)	A3a	0.7	0	0.6	0.1	0.9	0.3	0.8	0.1	0.8	0.1	1	0.2
lipoprotein lipase precursor (LPL)	B6c	0.7	0.2	0.2	0.2	0.3	0.1	0.7	0.2	1.1	0.4	0.6	0.2
BAX-alpha	C7i	1.3	0.1	1	0.2	1.3	0.1	1.4	0.2	1.7	0.1	0.8	0.2
insulin-like growth factor IB precursor (IGF-IB; IGF1); somatomedin	D3b	1	0.2	0.8	0.2	0.9	0.2	1.1	0.2	0.9	0.3	0.5	0
mitogen-activated protein kinase 8 (MAPK8; PRKM8); c-jun N-terminal kinase 1 (JNK1); stress-activated protein kinase gamma (SAPK-gamma)	D6f	1.2	0.2	1.5	0.3	1	0.1	1	0.2	1	0.2	1.2	0.2
heat shock 27-kDa protein (HSP27)	A6i	0.9	0.1	1.1	0.1	2	0.3	2.1	0.3	1.5	0.1	1.7	0.2
early growth response protein 1 (EGR1); nerve growth factor-induced protein A (NGFI-A)	A2a	1	0.3	0.7	0.2	3	0.8	1	0.2	1.6	0.3	0.9	0.2
protein kinase C beta-I type (PKC-beta I) + protein kinase C beta-II type (PKC-beta II)	D5g	1.1	0.1	1.3	0.2	1.3	0.2	0.9	0.1	1.2	0.1	1.4	0.2
platelet/endothelial cell adhesion molecule-1	A5c	0.6	0	0.6	0.2	0.3	0.1	0.5	0.1	0.4	0.1	0.4	0.1
mitochondrial carnitine O-palmitoyltransferase I liver isoform (CPT I-L)	B7f	0.7	0.1	0.5	0.1	0.9	0.1	1	0.1	0.8	0.1	0.6	0.1
lipopolysaccharide-binding protein	D4k	0.3	0	0.4	0	1.2	0.2	1.8	0.2	1.7	0.3	1.6	0.5
Inhibitor of apoptosis protein 1	C7c	0.6	0.1	0.5	0.1	0.7	0.1	0.6	0.1	0.8	0.1	0.3	0.1
retinoblastoma protein (RB)	A5n	0.4	0.1	0.2	0.1	0.4	0.1	0.4	0.1	0.7	0.2	0.2	0.1
BCL2-associated death promoter (BAD)	C7m	2.1	0.1	2.9	0.1	2.1	0.1	2.2	0.5	2.3	0.5	1.8	0.2
alpha1-antitrypsin promoter binding protein 2 (ATBP2)	D1i	1.1	0.1	1	0.1	1.3	0.2	1	0.1	1	0.2	1.2	0.1
glutamate oxaloacetic transaminase 1 (GOT1); transaminase A; cytoplasmic aspartate aminotransferase	B6n	1.3	0.2	2	0.2	1.8	0.3	1.9	0.4	1.5	0.3	1.9	0.1
heme oxygenase 1 (HMOX1; HO1)	C3c	0.3	0.1	1	0.2	0.6	0.1	1	0.3	0.9	0.3	0.9	0.2
bcl-x; bcl2-L1	C7j	1.3	0.1	1.2	0.1	1.5	0.1	1.5	0.2	2	0.2	1	0.1

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peroxisome assembly factor 2 (PAF2); peroxin 6 (PEX6); peroxisomal-type ATPase 1 (PXAAA1)	E2d	0.5	0.1	0.5	0.1	0.6	0.1	0.6	0.1	0.4	0	0.6	0
tubulin alpha 1 (TUBA1)	G13	1.3	0.4	1.1	0.4	1.7	0.2	1.6	0.3	1.6	0.4	0.6	0.2
c-met proto-oncogene; hepatocyte growth factor receptor	D2a	0.4	0	0.6	0.1	0.9	0.2	1.9	0.9	1	0.1	1.9	0.4
plectin	E3a	0.5	0.1	0.5	0.1	0.7	0.1	1	0.3	0.7	0.1	0.4	0.1
replication protein A 32-kDa subunit (RPA); replication factor-A protein 2 (RFA; RPA2)	E3h	0.5	0	0.7	0.1	0.5	0	0.6	0.1	0.6	0.1	0.5	0.1
DNA topoisomerase IIB (TOP2B)	E3g	0.3	0	0.3	0	0.5	0.2	0.3	0.1	0.5	0.1	0.3	0.1
thioredoxin peroxidase 1 (TDPX1); thioredoxin-dependent peroxide reductase 1; thiol-specific antioxidant protein (TSA)	B3a	0.4	0.1	0.2	0	0.7	0.2	0.5	0.1	0.7	0.1	0.2	0.1
G2/M-specific cyclin G (CCNG)	A3f	0.8	0.1	0.9	0.1	0.7	0.1	0.8	0.1	0.6	0.2	0.8	0.1
liver catalase (CAT; CAS1)	C4h	0.7	0.1	0.5	0.1	0.6	0.1	0.7	0.1	1	0.2	0.4	0.1
polyubiquitin	G5	344.4	51.6	307.9	70.4	424.2	84.9	384.9	54.2	313.9	75.7	359.7	95.4
probable protein disulfide isomerase ER60 precursor; 50-kDa microsomal protein; HIP70	E1f	36.6	7	37.6	3.7	33.1	2	23.7	3	26	3	14.8	3
calreticulin precursor (CALR); calregulin; calcium-binding protein 3 (CABP3); HACBP; ERP60	D7e	22.5	4.7	29.9	4.4	27.7	3.8	17	3.5	13.9	1	8.3	1.1
copper-zinc-containing superoxide dismutase 1 (Cu-Zn SOD1)	C4a	29.5	4.1	19.1	0.8	29.3	2.7	13.8	3.3	19.4	2.7	12.1	4.2
40S ribosomal protein S30 (RPS30); Finkel-Biskis-Reilly murine sarcoma virus ubiquitously expressed gene (FAU; FUBI)	D7l	16.4	2	9.7	4.8	18	3.4	14.1	4.1	19	4.5	9.9	4.6
glyceraldehyde 3-phosphate dehydrogenase (GAPDH)	G12	14.1	2.3	8.4	4.4	15.2	2.7	12.2	2.9	14.3	4.3	4.3	2.6
hypoxanthine-guanine phosphoribosyltransferase (HPRT)	G7	7.9	2.2	6.7	3.2	9.6	2.4	9.6	2.2	10	2.7	4	1.9
defender against cell death 1 protein (DAD1)	C6e	8.9	1.8	6.8	2.4	7.8	1.2	5.8	1.9	8.8	1.9	1.6	0.6
lactate dehydrogenase-B	B5b	7.5	0.8	5.5	0.4	7.9	1	8.1	2.3	13.2	2.9	6.4	3.1
94-kDa glucose-regulated protein (GRP94); endoplasmic precursor; GP96 homolog; tumor rejection antigen 1 (TRA1) [rat homolog of human]	A7d	4.2	1.1	5.4	1.1	4.1	1.1	3	0.8	2.3	0.4	0.9	0.2
glutathione S-transferase Yc1 subunit (GST Yc1); GST-alpha	B1g	12.2	1.8	7.8	1.8	10.4	2.4	3.9	1.2	4.5	1.4	1.7	0.2
endoplasmic reticulum stress protein 72 precursor (ERP72); calcium-binding protein 2 (CABP2)	C4j	25.1	2.1	22.2	2.9	24.2	4	10.1	0.7	10.7	1	8.7	1.4
thioredoxin peroxidase 2 (TDPX2); thioredoxin-dependent peroxide reductase 2; heme-binding 23-kDa protein (HBP23)	C3e	3.4	1	2.6	1.3	3.4	0.9	2.6	0.8	5.8	1.6	0.6	0.3
ubiquitin-like protein (NEDD8)	D7m	5.3	1	3.8	1.9	4.5	0.9	3.5	1.1	5.6	1.6	0.6	0.4
involucrin	E5l	4.6	0.6	5	1.4	5.4	0.8	5.5	1.1	7.8	2	4.4	1.8
Putative protein tyrosine phosphatase	D6l	2.4	0.3	2.5	0.4	3.8	0.4	3.1	0.5	3.9	0.3	2.6	0.6
probable protein disulfide isomerase P5 precursor; calcium-binding protein 1 (CABP1)	C5a	2	0.3	1.5	0.2	2.8	0.4	1.7	0.2	1.8	0.2	0.9	0.2
G1/S-specific cyclin D1 (CCND1)	A3h	3.8	0.3	2.9	0.4	3.1	0.6	2.5	0.5	2.5	0.4	1.3	0.4
heat shock10-kDa protein (HSP10); chaperonin 10 (CPN10)	A7a	3.4	0.5	1.9	0.2	3.6	0.7	2.9	0.4	3.3	0.5	1.6	0.6
calnexin precursor (CANX)	D7d	3.4	0.6	4.1	0.7	3.8	0.2	3.1	0.9	2.3	0.2	1.6	0.3
150-kDa oxygen-regulated protein (ORP150)	B2m	1.1	0.2	1.2	0.2	1.4	0.1	0.9	0.2	0.6	0.1	0.3	0.1
NADPH-cytochrome P450 reductase (CPR); POR	C5m	3.3	0.4	2.7	0.7	2.4	0.2	2.1	0.1	1.9	0.1	1.7	0.2
G1/S-specific cyclin D3 (CCND3)	A3e	2.4	0.1	1.6	0.1	1.8	0.2	1.8	0.5	1.7	0.3	0.8	0.2
alpha-1 acid glycoprotein	E5j	0	0	0	0	0	0	0	0	0	0	0	0
aminopeptidase B	E1b	4.2	0.5	3.6	0.5	4.9	0.3	3.9	0.7	3.7	0.6	2.1	0.6
HSP70/HSP90-organizing protein (HOP); p60 protein	C5c	2	0.1	1.9	0.2	2.5	0.4	2.1	0.3	2.1	0.3	1.1	0.2

**EXPERIMENT: is-cap-co-cd good (n=3 corpus)**

Gene Name- ordered by most highly expressed and descending	Systematic name/position on membrane	CAUDA											
		control		12 hour		1 day		2 day		3 day		7 day	
		Normalized	SEM	Normalized	SEM	Normalized	SEM	Normalized	SEM	Normalized	SEM	Normalized	SEM
glutathione synthetase (GSH synthetase; GSH-S; GSS); glutathione synthase	B7m	0.6	0	0.7	0.1	0.9	0.1	0.9	0.1	1.2	0.1	0.4	0.1
H-ras proto-oncogene; transforming protein p21	A5m	1.3	0.1	1.1	0.1	1.1	0.2	1.5	0.1	1.6	0.1	0.9	0.1
liver carboxylesterase 10 precursor; carboxylesterase ES-10; PI 6.1 esterase; ES-HVEL	C2i	3.7	0.2	2.5	0.3	2.8	0.4	1	0.1	1.3	0.3	1.9	0.3
retinoblastoma-binding protein	A2k	1.5	0.5	0.9	0.6	1.6	0.9	1.2	0.4	3.1	1.1	0.1	0
protein-tyrosine phosphatase 1B (PTP1B); PTP non-receptor type 1 (PTPN1)	D6i	1.2	0.2	0.9	0.1	1.3	0.2	1.1	0.1	1.4	0.3	0.6	0.1
heat shock cognate 71-kDa protein (HSC73; HSC70)	A7b	1.3	0.3	0.8	0.4	1.2	0.2	1.4	0.3	2.9	0.8	0.3	0.2
aldehyde dehydrogenase 1	C1i	3.1	0.9	2.6	0.9	2.5	1.2	0.7	0.2	1.4	0.5	0.3	0.1
78-kDa glucose-regulated protein precursor (GRP78); immunoglobulin heavy chain binding protein (BIP); steroidogenesis-activator polypeptide; HSPA5	A7c	1.5	0.3	1.2	0.3	1.5	0.2	0.8	0.1	0.8	0.2	0.3	0.1
nucleoside diphosphate kinase A (NDKA; NDP kinase A); tumor metastatic process-associated protein; metastasis inhibition factor NM23; NME1	B6l	2.6	0.3	3.8	0.6	2.5	0.4	3	0.6	2.1	0.2	1.9	0.4
bleomycin hydrolase (BLM hydrolase; BLMH; BMH)	E1e	1	0.1	1.1	0.1	1.1	0.1	1	0.1	1.1	0.2	0.7	0.2
mitogen-activated protein kinase p38 (MAP kinase p38); CSBP2	D6c	1.6	0.2	1.1	0.3	1.7	0.3	1.5	0.3	1.9	0.3	0.8	0.2
manganese-containing superoxide dismutase 2 precursor (Mn SOD2)	C4i	3	0.2	2.3	0.9	4	0.7	3	0.6	3.7	1	1.4	0.5
CDC-like kinase 3 (CLK3)	D1a	1.4	0.2	0.7	0.1	1.1	0.2	0.8	0.1	1.1	0.2	0.3	0.1
peroxisomal membrane protein 1 (PXMP1; PMP1); 70-kDa peroxisomal membrane protein (PMP70); ATP-binding cassette subfamily D member 3 (ABCD3)	B4a	1	0.3	0.7	0.1	1.3	0.5	0.7	0.2	1	0.2	0.2	0.1
apurinic/aprimidinic endonuclease (AP endonuclease; APEX; APEN)	E4f	1.1	0.2	0.8	0.2	1.1	0.2	0.7	0.2	1.3	0.2	0.3	0.1
methyl-CpG-binding protein 2 (MECP2)	D1c	0.9	0.2	0.8	0.1	0.7	0.1	0.6	0.1	1.1	0.2	0.2	0.1
cAMP-response element binding protein 1 (CREBP1)	A1c	0.9	0.2	0.6	0.1	0.7	0.2	0.5	0.1	0.7	0.1	0.4	0.1
mdm2 protein; p53-associated protein + mdm2-A + mdm2-C [rat homolog of human]	A2j	0.6	0.1	0.4	0.2	0.5	0.1	0.4	0.1	0.7	0.1	0.2	0.1
N-cadherin	A5b	0.3	0.1	0.3	0.1	0.3	0.1	0.2	0	0.4	0.2	0.3	0.1
peroxisome assembly factor 1 (PAF1); peroxisomal membrane protein 3 (PXMP3; PMP3); 35-kDa peroxisomal membrane protein (PMP35); peroxin 2 (PEX2)	E5i	1.2	0.2	0.8	0.2	0.9	0.1	0.6	0.1	0.8	0.3	0.3	0.2
very long chain acyl-CoA dehydrogenase precursor (VLCAD)	B7j	0.6	0	0.7	0.1	0.9	0	0.7	0.1	0.7	0.1	0.4	0.1
mitochondrial enoyl-CoA hydratase precursor; short chain enoyl-CoA hydratase (SCEH); enoyl-CoA hydratase 1 (ECHS1)	C1m	1.3	0.2	1.7	0.3	1.5	0.2	0.9	0.2	1.4	0.2	0.6	0.1
glutathione S-transferase M3 (GSTM3); GST YB3	B1n	1.2	0.2	0.9	0.3	1.1	0.1	0.5	0.1	0.8	0.2	0.3	0.1
calcineurin B subunit isoform 1 (CNB); calcineurin B alpha 2 (CNA2); protein phosphatase 2B regulatory subunit (PP2B); PPP3R1	D6m	0.7	0.1	0.7	0.1	0.9	0.1	0.4	0.1	0.6	0.1	0.4	0.1
cadherin 6 precursor; kidney-cadherin (K-cadherin)	A4k	0.6	0.3	0.4	0.1	0.5	0.1	0.3	0.1	0.4	0.1	0.4	0
p58/GTA; galactosyltransferase associated protein kinase (cdc2-related protein kinase)	A4b	1	0.1	0.5	0.1	0.9	0.1	0.7	0.1	0.7	0.1	0.3	0.1
phosphoglyceride kinase	B4n	0.8	0.2	1	0.2	0.8	0.2	1.2	0.3	1.9	0.3	0.4	0.2
glutathione reductase	C3d	0.3	0	0.4	0	0.4	0.1	0.4	0	0.3	0	0.2	0
nck, ash & phospholipase C gamma-binding protein (NAP4) [rat homolog of human]	B4h	0.4	0	0.4	0.1	0.4	0	0.4	0.1	0.4	0.1	0.3	0.1
DNA excision repair protein ERCC1 [rat homolog of human]	E4c	0.3	0	0.7	0.1	0.6	0.1	0.6	0.1	0.6	0.1	0.3	0.1
dynein light chain 1	E3c	0.7	0.1	0.5	0.3	0.9	0.2	0.5	0.1	1	0.3	0.2	0.1
senescence marker protein 30 (SMP30); regucalcin (RCN)	D7c	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0

**EXPERIMENT: is-cap-co-cd good (n=3 corpus)**

Gene Name- ordered by most highly expressed and descending	Systematic name/position on membrane	CAUDA											
		control		12 hour		1 day		2 day		3 day		7 day	
		Normalized	SEM	Normalized	SEM	Normalized	SEM	Normalized	SEM	Normalized	SEM	Normalized	SEM
dual-specificity mitogen-activated protein kinase kinase 1 (MAP kinase kinase 1; MAPKK1; extracellular signal-regulated kinase activator kinase 1 (ERK kinase 1); MEK1	D5j	0.4	0.1	0.3	0.1	0.4	0	0.4	0.1	0.5	0.1	0.1	0.1
3-methyladenine DNA glycosylase; N-methylpurine DNA glycosirase (MPG); ADPG tissue inhibitor of metalloproteinase 2 precursor (TIMP2)	E5e	0.4	0.1	0.3	0.1	0.2	0.1	0	0	0.2	0.1	0.3	0.1
RANTES	E1j	8.2	1	9.8	0.9	11.1	1.7	15	4.6	13.4	1.2	25.1	2.7
60S ribosomal protein L6 (RPL6)	D3i	2.8	0.3	3.2	0.6	3.5	0.7	2.7	0.6	3	0.5	6.7	1.3
inhibitor of DNA binding 3 (ID3)	C6j	5.3	0.6	4.7	1	5.1	0.5	6.6	0.8	8.8	1	9	1
cellular glutathione peroxidase I (GSHPX1; GPX1)	A2g	19.1	2.1	19.5	1.5	21.1	3.4	14.1	3.4	16.3	2.8	15	5.1
insulin-like growth factor binding protein 3 precursor (IGFBP-3; IBP-3)	E2a	2.3	0.2	3.1	0.6	3.6	0.4	4.1	0.7	6.3	1	4.9	1.1
lysyl oxidase	A5i	1.6	0.1	1.3	0.1	2.9	0.7	2.3	0.5	4.1	0.3	6.7	0.8
serotransferrin precursor (TF); siderophilin; beta-1-metal-binding globulin	C6a	1.8	0.2	3.9	0.7	6.2	1.3	11.4	5.4	6.7	1.5	3.3	0.6
glutathione S-transferase Yb2 subunit (GST Yb2); GST mu (GSTM2)	A5l	0.3	0.1	0.2	0.1	0.4	0.1	0.5	0.2	1.4	0.4	0.4	0.1
major prion protein precursor (PRNP; PRP)	C2d	36.9	5	35.5	2.9	26.6	5.3	12.4	2.6	13.8	2.5	11	2.1
glutathione S-transferase P subunit; GST subunit 7 pi (GST7-7)	E6b	3.9	0.4	3.7	0.4	4.3	0.6	3.7	0.6	5.3	0.7	6.1	0.9
thiopurine methyltransferase	C2m	3.9	0.6	2.9	1.4	3.7	0.8	2.5	0.4	4.1	0.6	2.9	0.4
gamma-glutamyl transpeptidase	B1c	1.5	0.2	1	0.2	0.6	0.1	0.2	0.1	0.4	0.1	0.1	0.1
anti-proliferative B-cell translocation gene 2 (BTG2); NGF-inducible anti-proliferative protein PC3	C1j	0	0	0	0	0	0	0	0	0	0	0	0
glutathione S-transferase, Yrs-Yrs inactivating	D4g	0.4	0.1	0.2	0.1	1	0.4	0.8	0.2	1	0.3	0.2	0.1
DnaJ protein homolog 2 (DNAJ2); RDJ1; HSJ2	C2n	0.4	0.1	0.2	0.1	0.5	0.1	0.4	0.1	0.5	0.1	0.2	0.1
prostaglandin G/H synthase 1 precursor (PTGS1); cyclooxygenase 1 (COX1); prostaglandin-endoperoxide synthase 1; prostaglandin H2 synthase 1 (PGH synthase 1; PGHS1)	A6j	0.7	0.2	0.4	0.2	0.7	0.2	0.8	0.2	1.4	0.5	0.3	0.1
malic enzyme	B7d	0.8	0.1	0.8	0.1	0.9	0.1	0.7	0.1	0.9	0.1	0.6	0.1
connexin-32	B4m	0.4	0	0.4	0.1	0.4	0	0.3	0.1	0.3	0	0.2	0.1
testis-specific heat shock protein-related protein (HST); heat shock-related 70-kDa protein 2 (HSP70-2)	B3h	0.6	0	0.5	0.1	1.5	0.3	1.3	0.2	1.1	0.2	0.5	0.1
NAD(P)H dehydrogenase; quinone reductase; DT-diaphorase; azoreductase; phyloquinone reductase; menadione reductase; NMOR1	A6n	0.7	0.1	0.8	0.1	1.3	0.3	1.7	0.2	1.8	0.5	1.4	0.2
glutamate-cysteine ligase regulatory subunit (GLCLR); gamma-glutamylcysteine synthetase; gamma-ECS; GCS light chain	B1m	1.2	0.1	1	0.2	1.1	0.2	0.8	0.2	0.8	0.1	0.4	0.2
cyclin-dependent kinase 7 (CDK7); CDK-activating kinase (CAK); 39-kDa protein kinase; homolog of Xenopus MO15	B7l	0.6	0.1	0.5	0.2	0.6	0.2	0.3	0.1	0.8	0.2	0	0
c-erb	A3n	0.3	0.1	0.3	0.1	0.2	0.1	0.3	0.1	0.4	0.1	0.1	0
fibrinogen gamma chain	E2k	0.6	0.1	0.5	0	0.7	0.1	1	0.2	1.4	0.2	1.9	0.2
low-density lipoprotein receptor precursor (LDL receptor; LDLR)	E5k	0	0	0.1	0	0	0	0.1	0	0	0	0.1	0.1
Glioma-derived vascular endothelial cell growth factor	D2j	0.9	0.1	0.5	0.1	1.1	0.3	0.9	0.2	0.3	0.1	0.3	0.1
FK506-binding protein 12 (FKBP12)	D2m	0.3	0.1	0.4	0.1	0.7	0.1	0.3	0.1	0.4	0.1	0.3	0
interferon-inducible protein 10 (IP10); small inducible cytokine B10 precursor (SCYB10); MOB-1 protein precursor	C5b	0	0	0	0	0	0	0	0	0	0	0	0
cytochrome P450 17 (CYP17); P450C17; CYPXVII; steroid 17-alpha-hydroxylase/17,20 lyase	D3e	0.4	0	0.4	0	0.7	0.2	0.6	0	0.6	0.1	0.7	0.2
vascular cell adhesion protein 1 precursor (V-CAM 1)	C1a	0.1	0	0.1	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.2	0.1
	A4m	0.6	0.1	0.4	0.1	0.5	0.1	0.6	0.1	0.9	0.2	0.4	0.2

**EXPERIMENT: is-cap-co-cd good (n=3 corpus)**

Gene Name- ordered by most highly expressed and descending	Systematic name/position on membrane	CAUDA											
		control		12 hour		1 day		2 day		3 day		7 day	
		Normalized	SEM	Normalized	SEM	Normalized	SEM	Normalized	SEM	Normalized	SEM	Normalized	SEM
GAK; cyclinG-associated kinase	A4a	0.7	0.1	0.5	0.1	0.7	0.1	0.7	0.1	0.6	0.1	0.6	0.1
M-phase inducer phosphatase 2 (MPI2); cell division control protein 25 B (CDC25B)	D6k	0.3	0.1	0.4	0	0.6	0.1	0.4	0.1	0.5	0.1	0.5	0.1
small inducible cytokine A3 precursor (SCYA3); macrophage inflammatory protein 1 alpha precursor (MIP1-alpha; MIP1A)	D3g	0.2	0	0.2	0.1	0.2	0	0.2	0	0.3	0	0.3	0.1
caspase 3 (CASP3); apopain precursor; cysteine protease CPP32; YAMA protein; SREBP cleavage activity 1 (SCA1); interleukin 1 beta converting enzyme-like protein (LICE)	C7g	0.4	0	0.4	0	0.7	0.1	0.8	0.1	0.8	0.1	0.3	0.1
cell division protein kinase 5 (CDK5); tau protein kinase II catalytic subunit (TPKII catalytic subunit); PSSALRE kinase	A4c	0.3	0	0.2	0	0.4	0.1	0.3	0.1	0.4	0.1	0.2	0.1
glucocorticoid receptor	E2h	0.3	0.1	0.3	0.1	0.4	0	0.4	0.1	0.6	0.1	0.2	0.1
HSPB2	A6m	0.3	0	0.2	0	0.2	0.1	0.3	0.1	0.4	0	0.2	0.1
cyclin-dependent kinase 2 alpha (CDK2-alpha) + cyclin-dependent kinase 2-beta (CDK2-beta)	A3j	0.4	0	0.4	0	0.3	0	0.4	0	0.4	0.1	0.4	0.1
glutamate-cysteine ligase catalytic subunit (GLCLC); gamma-glutamylcysteine synthetase; gamma-ECS; GCS heavy chain	B7k	1.4	0.2	1.2	0.2	1.2	0.2	0.9	0.1	1.2	0.2	0.4	0.1
monocarboxylate transporter MCT1	B3j	2	0.5	1.4	0.7	2.2	0.4	1.6	0.4	2.4	0.5	0.5	0.2
eotaxin	D3f	0.3	0.1	0.3	0	0.4	0.1	0.6	0.2	0.4	0	0.4	0
11-beta-hydroxysteroid dehydrogenase 2	C1b	0.2	0	0.3	0.1	1.2	0.2	1.9	0.5	1.9	0.5	0.7	0.1
endothelin 1 precursor (ET1)	D3n	0.2	0	0.6	0.1	0.7	0.1	1	0.2	1.2	0.3	0.9	0.2
tenascin	A5d	0.6	0.1	0.9	0.2	1.1	0.4	2.8	1.1	0.8	0.1	0.7	0.1
stromelysin 3 precursor (ST3; SL3); matrix metalloproteinase 11 (MMP11)	E1a	0.4	0.1	0.4	0.1	0.5	0	0.5	0	0.7	0.1	2.3	0.3
osteopontin	A4j	0	0	0.1	0	0.2	0.1	1	0.3	2.6	1.4	1.6	0.3
complement component C3	A5e	0.3	0	0.2	0	0.4	0.1	0.7	0.2	0.5	0.1	1	0.4
cytochrome P450 4B1 (CYP4B1); P450-isozyme 5	C4d	0.3	0	0.2	0.1	0.5	0.1	0.4	0	0.4	0.1	0.3	0.1
P450 IIA1; P-450a; 3-methylcholanthrene -inducible cytochrome P450; testosterone 7-alpha-hydroxylase; P450-UT-F. + P450 IIA2	C2g	0.1	0	0.2	0	0.1	0	0.5	0.1	0.5	0.1	0.3	0.1
metallothionein 1	E6c	0.7	0.1	0.9	0.1	1.2	0.1	0.7	0.1	0.6	0.1	0.4	0.1
p55cdc; cell division control protein 20	A4g	0.2	0	0.3	0	0.1	0	0.5	0.1	0.6	0.1	0.3	0.1
fas antigen ligand (FASL); apoptosis antigen ligand (APTL; APT1LG1); tumor necrosis factor superfamily member 6 (TNFSF6)	C6n	0.1	0	0.1	0	0.2	0	0.1	0.1	0.1	0	0.2	0.1
8-oxyguanine DNA glycosylase homolog 1; mutM homolog (OGH1) (HOGG1) (FaPyG)	E4g	0.4	0.1	0.4	0	0.3	0	0.3	0	0.4	0.1	0.2	0.1
MSH2 DNA mismatch repair protein	E4h	0.4	0.1	0.4	0.1	0.5	0.1	0.4	0.1	0.4	0.1	0.2	0.1
smoothed (SMO)	D2g	0.4	0	0.4	0.1	0.5	0.1	0.3	0.1	0.4	0.1	0.3	0.1
tissue inhibitor of metalloproteinase 1 precursor (TIMP1)	E1i	0.2	0.1	0.1	0.1	0.6	0	1.8	0.7	1.1	0.5	0.4	0.3
bcl-2	C7n	0.4	0.1	0.3	0.1	0.5	0.1	0.4	0.1	0.5	0.1	0.6	0.1
crystallin beta B1 (CRYBB1)	A6f	0	0	0	0	0	0	0	0	0	0	0	0
aryl hydrocarbon receptor	D2h	0.3	0.1	0.5	0	0.8	0.1	0.8	0.1	0.8	0.1	0.9	0.1
polo-like serine-threonine protein kinase (PLK)	D7j	0	0	0.1	0	0	0	0.3	0.1	0.1	0.1	0.1	0
MAD-related protein 2	D1k	0.3	0	0.2	0	0.3	0.1	0.2	0	0.4	0.1	0.2	0.1
c-myc proto-oncogene	A1l	0.1	0	0	0	0.3	0.1	0.2	0.1	0.2	0.1	0.2	0.1
bilirubin UDP-glucuronosyltransferase isozyyme 2	B6j	0.2	0.1	0.4	0.1	0.2	0.1	0.2	0	0.4	0.1	0.3	0.1
insulin-like growth factor binding protein 1 precursor (IGFBP1; IBP1)	A5k	0.2	0.1	0.2	0.2	0.3	0.1	0	0	0.3	0.3	0.1	0.1
vascular endothelial growth factor D (VEGF-D)	D2k	0.2	0	0.2	0.1	0.4	0.1	0.6	0.1	1	0.1	1.7	0.3

**EXPERIMENT: is-cap-co-cd good (n=3 corpus)**

Gene Name- ordered by most highly expressed and descending	Systematic name/position on membrane	CAUDA											
		control		12 hour		1 day		2 day		3 day		7 day	
		Normalized	SEM	Normalized	SEM	Normalized	SEM	Normalized	SEM	Normalized	SEM	Normalized	SEM
Sky proto-oncogene; Tyro3; Rse; Dtk	E2e	0.2	0	0.3	0.1	0.4	0.1	0.6	0.1	0.4	0	0.5	0.1
AIM-1	C6c	0	0	0.1	0	0.1	0	0.4	0.1	0.3	0.1	0.3	0.1
tumor necrosis factor alpha precursor (TNF-alpha; TNFA); cachectin	D3j	0.1	0	0.2	0	0.3	0.1	0.3	0.1	0.3	0	0.2	0.1
multidrug resistance protein 2 (MDR2); P-glycoprotein (PGY2)	A7h	0	0	0	0	0.1	0	0.1	0	0.1	0	0.1	0.1
fas antigen; fasL receptor precursor; apoptosis antigen 1 (APO1; APT1); CD95 antigen	C7a	0.3	0.1	0.3	0	0.4	0.1	0.4	0	0.4	0.1	0.3	0.1
crystallin beta A4 (CRTBA4)	A6d	0	0	0	0	0	0	0	0	0	0	0	0
helicase II	D1f	0.5	0.1	0.4	0	0.4	0.1	0.7	0.3	0.8	0.2	0.2	0.1
acyl-CoA oxidase	C1d	0.3	0.1	0.3	0.1	0.3	0	0.2	0.1	0.4	0.1	0.1	0
Intercellular adhesion molecule 1 precursor (ICAM1)	A4n	0.2	0	0.3	0.1	0.6	0.2	0.6	0.2	0.6	0.1	0.5	0.1
crystallin alpha B (CRYAB)	A6k	0.6	0	0.5	0	0.9	0.1	0.8	0.1	0.7	0.1	0.2	0
PROSTAGLANDIN TRANSPORTER (PGT) (MATRIN F/G); SLC21A2	B4f	0.8	0.1	0.9	0.1	1.1	0.1	0.5	0.2	0.8	0.1	0.7	0.2
p21; cip1; waf1	A4d	0.1	0	0.1	0	0.2	0.1	0.4	0.1	0.2	0.1	0.2	0
FKBP-rapamycin-associated protein (FRAP); rapamycin target protein (RAFT1)	D7k	0	0	0	0	0	0	0.2	0.1	0.1	0.1	0.3	0.1
thromboxane-A synthase (TXA synthase; TXS; TBXAS1); CYP5	B7b	0.1	0.1	0	0	0.2	0.1	0	0	0.5	0.1	0.4	0.1
phosphoenolpyruvate carboxykinase	B5c	0.1	0.1	0.1	0	0	0	0	0	0.1	0.1	0.4	0.2
delta-like protein	D5a	0.6	0.1	0.4	0.1	0.7	0.1	0.4	0.1	0.3	0.1	0	0
pancreatitis-associated protein 3 precursor (PAP3)	B2k	0	0	0.2	0.2	0	0	0.1	0	0.1	0	0.1	0
organic cation transporter N2	B2j	3	0.6	1.1	0.5	0.9	0.3	0.3	0.1	0.4	0.2	0.1	0
D-amino acid oxidase (DAMOX; DAO; DAAO)	C3h	2.2	0.2	1.8	0.3	0.7	0.1	0.2	0	0.2	0.1	0.1	0
pancreatitis-associated protein 1 precursor (PAP1); peptide 23; islet of Langerhans regenerating protein 2 (REG2)	B2l	0	0	0	0	0	0	0	0	0	0	0	0
glutathione S-transferase mu 3 (GSTM3-3) GSTM3 OR GST5	C3a	0.4	0	0.4	0	0.6	0.3	0.1	0	0.1	0	0.3	0.1
RecA-like protein HsRad51; DNA repair protein RAD51 homolog [rat homolog of human]	E4k	0	0	0.3	0	0.1	0	0.4	0.2	0.1	0	0.1	0.1
arylamine N-acetyltransferase 2 (NAT2)	A7n	0.4	0.1	0.3	0	0.5	0	0.3	0.1	0.3	0.1	0.1	0
cyclooxygenase 2 (COX2)	C3g	0.3	0	0.2	0.1	0.2	0.1	0.3	0.1	0.3	0	0	0
integrin alpha 1	D2i	0.8	0.1	0.7	0.1	1.6	0.3	0.9	0.1	1.1	0.1	0.6	0.1
cellular retinoic acid binding protein 2	D7i	0.8	0.1	0.7	0.2	1.3	0.1	1.2	0.3	1.1	0.2	0.4	0.1
arachidonate 12-lipoxygenase (12-LOX; ALOX12)	B7e	0.4	0.1	0.4	0.1	0.8	0.1	0.6	0.1	0.6	0.1	0.2	0
sonic hedgehog	D4j	0.2	0	0.3	0	0.4	0.1	0.3	0.1	0.2	0.1	0.7	0.1