

Suppl. Table 1 Patients' Information				
Group ID	Early Recurrence (Rcr)		No Disease Evidence (NDE)	
Patient ID	PAT1	PAT2	PAT3	PAT4
Age	65	64	80	78
Gender	M	F	M	F
Race	W	W	W	W
Diabetes	No	No	No	No
Pre-op EUS/FNA	Yes	Yes	Yes	Yes
Biliary stenting	Yes	Yes	Yes	Yes
T-stage	3	3	3	3
N-stage	1	1	1	0
Differentiation	Moderately - poorly	moderately	moderately	moderately
Positive nodes (#)	9	2	2	0
T-Size (cm)	3.2	3.8	3.8	2.5
Pathology	PDAC	PDAC	PDAC	PDAC
Cause of death	Recurrence	Recurrence	N/A	N/A
Survival-Death (days)	409	169	1124	1146

Suppl. Table 2 - GeoMx® Immune Pathways RNA Profiling Panel

Probe Name	Gene(s)	Accession(s)	Alias(es)	Full Name
Target Genes				
ARG1	ARG1	NM_000045.3,NM_001244438.2,NR_160934.1,NM_001369020.1,NM_000045.4	arginase, liver	arginase 1
B2M	B2M	NM_004048.2,XM_005254549.3,XR_002957658.1,NM_004048.3		beta-2-microglobulin
BATF3	BATF3	NM_018664.2,XR_001737289.1,XR_921869.2,XM_017001683.1,NM_018664.3	basic leucine zipper transcription factor, ATF-like 3	basic leucine zipper ATF-like transcription factor 3
BCL2	BCL2	NM_000633.2,NM_000657.2,XR_935248.3,XM_011526135.3,XM_017025917.2	B-cell CLL/lymphoma 2,BCL2, apoptosis regulator	BCL2 apoptosis regulator
CCL5	CCL5	NM_002985.2,NM_002985.3,NM_001278736.2	D17S136E,SCYA5,small inducible cytokine A5 (RANTES),chemokine (C-C motif) ligand 5	C-C motif chemokine ligand 5
CCND1	CCND1	NM_053056.2	BCL1,D11S287E,PRAD1,cyclin D1 (PRAD1: parathyroid adenomatosis 1)	cyclin D1
CD27	CD27	NM_001242.4,XM_017020232.1,XM_017020234.1,XM_011521042.3,XM_017020233.2	TNFRSF7,tumor necrosis factor receptor superfamily, member 7	CD27 molecule
CD274	CD274	NM_014143.3,NR_052005.1,NM_014143.4,NM_001314029.2,NM_001267706.1	PDCD1LG1,programmed cell death 1 ligand 1,CD274 antigen	CD274 molecule
CD276	CD276	NM_001024736.1,XM_017022638.1,XM_05254700.4,XM_011522095.2,NM_001024736.2,NM_001329629.2,NM_025240.2,NM_001329628.2	CD276 antigen	CD276 molecule
CD3E	CD3E	NM_000733.3	CD3e antigen, epsilon polypeptide (TIT3 complex),CD3e molecule, epsilon (CD3-TCR complex)	CD3e molecule
CD4	CD4	NM_000616.4,XM_017020228.2,NM_000616.5,NM_001195016.3,NM_001195017.3,NM_001195014.3,NM_001195015.3	CD4 antigen (p55),T-cell surface glycoprotein CD4	CD4 molecule
CD40	CD40	NM_001250.5,NR_126502.1,NR_136327.1,XM_017028136.1,XM_011529109.2,XM_05260619.3,XM_017028135.1,NM_00132422.2,NM_001322421.2,NM_152854.4,NM_001250.6,NM_001302753.2,NM_001362758.2	TNFRSF5,tumor necrosis factor receptor superfamily, member 5,CD40 molecule, TNF receptor superfamily member 5	CD40 molecule
CD40LG	CD40LG	NM_000074.2	HIGM1,IMD3,TNFRSF5,tumor necrosis factor (ligand) superfamily, member 5 (hyper-IgM syndrome)	CD40 ligand
CD44	CD44	NM_001001392.1,XM_005253238.3,XM_017018585.2,XM_011520485.2,XM_011520484.2,XM_005253240.3,XM_011520486.2,XM_011520488.2,XM_005253232.3,XM_011520483.2,XM_017018583.2,XM_006718390.4,XM_005253235.3,XM_006718388.2,XM_017018584.2,XM_011520487.3,XM_011520489.3,XM_011520482.2,XM_005253231.3,XM_005253239.3,NM_001202557.2,NM_001001389.2,NM_001202556.2,NM_001001390.2,NM_001202555.2,NM_000610.4,NM_001001391.2,NM_001001392.2	MIC4,MDU2,MDU3,CD44 antigen (homing function and Indian blood group system)	CD44 molecule (Indian blood group)
CD47	CD47	NM_198793.2,NM_001777.3,XR_241521.2,XR_241522.2,XM_005247909.2,XR_002959610.1,XR_924218.2,XR_001740374.2,XR_924219.2,XR_924220.2,XR_002959611.1,XR_001740375.2,XM_005247908.2	MER6,CD47 antigen (Rh-related antigen, integrin-associated signal transducer)	CD47 molecule
CD68	CD68	NM_001251.2,NM_001251.3,NM_001040059.2	CD68 antigen	CD68 molecule
CD74	CD74	NM_001025159.2,NM_004355.3,NM_001025158.2,XR_002956198.1,XM_017010089.2,XM_017010090.2,NR_157074.1,NM_001364083.2,NM_001364084.2	DHLA2,CD74 antigen (invariant polypeptide of major histocompatibility complex, class II antigen-associated),CD74 molecule, major histocompatibility complex, class II invariant chain	CD74 molecule
CD86	CD86	NM_001206924.1,NM_001206925.1,NM_006889.4,NM_175862.5,NM_176892.1	CD28LG2,CD86 antigen (CD28 antigen ligand 2, B7-2 antigen)	CD86 molecule
CD8A	CD8A	NM_001145873.1,NM_0011768.6,NM_171827.3,NR_027353.1	CD8,CD8 antigen, alpha polypeptide (p32),T-cell surface glycoprotein CD8 alpha chain	CD8a molecule
CMKLR1	CMKLR1	NM_001142345.1,NM_004072.2,XM_017018820.2,NM_001142343.2,NM_001142344.2,NM_004072.3	chemokine-like receptor 1	chemerin chemokine-like receptor 1
CSF1R	CSF1R	NM_005211.3,NR_109969.1,NM_001288705.2,NM_001349736.1	FMS,McDonough feline sarcoma viral (v-fms) oncogene homolog	colony stimulating factor 1 receptor
CTLA4	CTLA4	NM_001037631.2,NM_001037631.3,NM_005214.5	CELIAC3,IDD12,celiac disease 3,insulin-dependent diabetes mellitus 12	cytotoxic T-lymphocyte associated protein 4
CTNNB1	CTNNB1	NM_001098209.1,XM_006712985.1,XM_017005738.1,XM_024453356.1,XM_006712983.2,XM_024453360.1,XM_024453358.1,XM_024453357.1,XM_024453359.1,NM_01904.4,NM_001330729.2,NM_001098210.2,NM_001098209.2	CTNNA1,catenin (cadherin-associated protein), beta 1 (88kD),catenin (cadherin-associated protein), beta 1, 88kDa,catenin (cadherin-associated protein), beta 1	catenin beta 1
CXCL10	CXCL10	NM_001565.3,NM_001565.4	INP10,SCYB10,small inducible cytokine subfamily B (Cys-X-Cys), member 10,chemokine (C-X-C motif) ligand 10	C-X-C motif chemokine ligand 10
CXCL9	CXCL9	NM_002416.2,NM_002416.3	CMK,MIG,monokine induced by gamma interferon,chemokine (C-X-C motif) ligand 9	C-X-C motif chemokine ligand 9
CXCR6	CXCR6	NM_006564.1,XM_005264809.2,XM_011533291.2,XM_011533290.2,NM_006564.2	chemokine (C-X-C motif) receptor 6	C-X-C motif chemokine receptor 6
DKK2	DKK2	NM_014421.2,NM_014421.3	dickkopf (Xenopus laevis) homolog 2,dickkopf 2 homolog (Xenopus laevis)	dickkopf WNT signaling pathway inhibitor 2
EPCAM	EPCAM	NM_002354.2	M4S1,MIC18,TACSTD1,antigen identified by monoclonal antibody AUA1,tumor-associated calcium signal transducer 1	epithelial cell adhesion molecule

		NR_028033.3,NM_000043.5,NR_028035.3,NR_028036.3,NR_028034.3,XR_945733.2, XM_006717819.3, XM_011539765.2, XM_011539764.2, XM_011539766.2, XM_011539767.3, XR_945732.3, NM_000043.6, NM_152871.4, NR_135313.2, NM_001320619.2, NR_135315.2, NR_135314.2, NM_152872.4	FAS1, APT1, TNFRSF6, tumor necrosis factor receptor superfamily, member 6, Fas (TNF receptor superfamily, member 6)	Fas cell surface death receptor
FAS	FAS			
FOXP3	FOXP3	NM_014009.3, XM_006724533.2, XM_017029567.1, NM_001114377.2	IPEX, immune dysregulation, polyendocrinopathy, X-linked	forkhead box P3
GZMB	GZMB	NM_004131.5, NR_144343.1, NM_004131.6, NM_001346011.2	CTLA1, CSPB, granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1)	granzyme B
HAVCR2	HAVCR2	NM_032782.4, NM_032782.5		hepatitis A virus cellular receptor 2
HIF1A	HIF1A	NM_181054.2, NM_001243084.1, NM_001530.4, NM_181054.3	hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)	hypoxia inducible factor 1 subunit alpha
HLA-DQ	HLA-DQA1	NM_002122.3, NM_002122.4, XM_006715079.4	HLA-DQA	major histocompatibility complex, class II, DQ alpha 1
HLA-DRB	HLA-DRB1, HLA-DRB3, HLA-DRB5, HLA-DRB4, HLA-DPB1	NM_002124.3, NM_022555.3, NM_001359193.1, NM_001243965.1, XM_01154562.2, XM_024452554.1, XR_002958969.1, XR_002958970.1, XM_024452553.1, NM_002125.4, NM_021983.4, XM_011548129.2, XM_011548128.2, XR_952975.2, XM_011548127.2, NM_001359194.1, XM_024452550.1, XM_017030290.2, NM_002121.6	HLA-DR1B, HLA-DR3B, HLA-DR4B	major histocompatibility complex, class II, DR beta 1, major histocompatibility complex, class II, DR beta 3, major histocompatibility complex, class II, DR beta 4
HLA-E	HLA-E	NM_005516.5, XM_017010807.1, NM_005516.6, XM_017010808.1, XM_017010809.2		major histocompatibility complex, class I, E
ICAM1	ICAM1	NM_000201.2, NM_000201.3		intercellular adhesion molecule 1
ICOSLG	ICOSLG, LOC102723996	NM_015259.5, XM_006723899.2, XM_011546079.1, XM_011546078.2, XM_011529515.3, XM_024452060.1, XM_011529514.3, XM_011529516.3, NM_001283050.2, NM_001365759.2, NM_001363770.2, NM_015259.6	ICOSL, inducible T-cell costimulator ligand	inducible T cell costimulator ligand
IDO1	IDO1	NM_002164.5, NM_002164.6	IDO, INDO, indoleamine-pyrrole 2,3 dioxygenase	indoleamine 2,3-dioxygenase 1
IFNAR1	IFNAR1	NM_006629.2, XM_005260964.2, NM_000629.3, XM_011529552.2	IFNAR, interferon (alpha, beta and omega) receptor 1	interferon alpha and beta receptor subunit 1
IFNG	IFNG	NM_000619.2, NM_000619.3		interferon gamma
IFNGR1	IFNGR1	NM_000416.2, XM_011535794.1, NM_011535793.2, XM_006715470.3, NM_001363526.1, NM_001363527.1	IFNGR	interferon gamma receptor 1
IL12B	IL12B	NM_002187.2	NKSF2, interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, p40)	interleukin 12B
IL15	IL15	NM_000585.4, NR_037840.2, NM_000585.5, NM_172175.3		interleukin 15
IL6	IL6	NM_000600.4, XM_011515390.2, XM_005249745.5, NM_000600.5, NM_001318095.2	IFNB2, interleukin 6 (interferon, beta 2)	interleukin 6
ITGAM	ITGAM	NM_000632.3, XM_006721045.1, XR_950796.1, XM_011545851.2, XM_017023216.1, XM_011545850.2, NM_000632.4, NM_001145808.2	CR3A, CD11B, integrin, alpha M (complement component receptor 3, alpha; also known as CD11b (p170), macrophage antigen alpha polypeptide), integrin, alpha M (complement component 3 receptor 3 subunit)	integrin subunit alpha M
ITGAV	ITGAV	NM_001144999.2, NM_002210.5, NM_001145000.3	VNRA, MSK8, VTNR, antigen identified by monoclonal antibody L230, vitronectin receptor, integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51), integrin, alpha V	integrin subunit alpha V
ITGAX	ITGAX	NM_000887.4, XM_011545852.1, XM_011545854.1, XR_950797.2, XM_024450263.1, NM_000887.5, NM_001286375.2	CD11C, integrin, alpha X (antigen CD11C (p150), alpha polypeptide), integrin, alpha X (complement component 3 receptor 4 subunit)	integrin subunit alpha X
ITGB2	ITGB2	NM_000211.4, XM_006724001.2, NM_000211.5, NM_001303238.2, NM_001127491.3	CD18, MFI7, integrin, beta 2 (antigen CD18 (p95), lymphocyte function-associated antigen 1; macrophage antigen 1 (mac-1) beta subunit), integrin, beta 2 (complement component 3 receptor 3 and 4 subunit)	integrin subunit beta 2
ITGB8	ITGB8	NM_002214.2, XM_011515396.1, XM_017012181.1, XM_017012178.1, XM_011515394.2, XM_017012182.1, XM_011515393.2, XM_017012180.1, XM_017012179.1, XM_017012183.1, NM_002214.3	integrin, beta 8	integrin subunit beta 8
KRT	KRT18, KRT10, KRT17, KRT19, KRT6A, KRT6B, KRT6C, KRT7, KRT14	NM_000224.2, NM_199187.1, NM_000224.3, NM_000421.3, NM_000421.4, NM_000422.2, NM_000422.3, NM_002276.4, NM_002276.5, NM_005554.3, NM_005554.4, NM_005554.5, NM_173086.5, NM_005556.3, XM_017019294.1, XR_001748699.2, XR_001748700.2, XM_011538325.2, NM_005556.4, XM_0055257343.3, NM_000526.4, NM_000526.5	keratin 18, type I, KPP, keratosis palmaris et plantaris, keratin 10, type I, PCHC1, keratin 17, type I, keratin 19, type I, KRT6C, KRT6D, keratin 6C, keratin 6D, keratin 6A, type II, keratin 7, type II, EBS3, EBS4, keratin 14 (epidermolysis bullosa simplex, Dowling-Meara, Koebner), keratin 14, type I	keratin 18, keratin 10, keratin 17, keratin 19, keratin 6A, keratin 7, keratin 14
LAG3	LAG3	NM_002286.5, XM_011520956.1, NM_002286.6	lymphocyte-activation gene 3	lymphocyte activating 3
LY6E	LY6E	NM_001127213.1, NM_002346.3	lymphocyte antigen 6 complex, locus E	lymphocyte antigen 6 family member E
MKI67	MKI67	NM_002417.4, XM_011539818.2, NM_002417.5, NM_001145966.2, XM_006717864.3	antigen identified by monoclonal antibody Ki-67	marker of proliferation Ki-67
MS4A1	MS4A1	NM_021950.3, NM_152866.2	CD20, membrane-spanning 4-domains, subfamily A, member 1	membrane spanning 4-domains A1
NKG7	NKG7	NM_005601.3, XM_006723228.3, XM_005258955.3, NM_005601.4, NM_001363693.2, NM_001200054.1, NM_006928.4, NM_001200053.1, NM_001320122.1, NM_001320121.1, NM_006272.2, XM_017028424.2, NM_006272.3, NM_006941.3	natural killer cell group 7 sequence	natural killer cell granule protein 7
pan-melanocyte	PMEL, S100B, SOX10		SIL, SILV, silver (mouse homolog) like, silver homolog (mouse), S100 calcium binding protein, beta (neural), SRY (sex determining region Y)-box 10, SRY-box 10	premelanosome protein, S100 calcium binding protein B, SRY-box transcription factor 10

PDCD1	PDCD1	NM_005018.2,XM_017004293.1,NM_005018.3,XM_006712573.2	SLEB2,systemic lupus erythematosus susceptibility 2	programmed cell death 1
PDCD1LG2	PDCD1LG2	NM_025239.3,XM_005251600.3,NM_025239.4		programmed cell death 1 ligand 2
PECAM1	PECAM1	NM_000442.4,XM_005276880.1,XM_005276882.1,XM_005276881.1,XM_011524890.1,XM_017024741.1,XM_005276883.2,XM_017024738.1,XM_017024740.1,XM_017024739.1,XM_011524889.2,NM_000442.5	platelet/endothelial cell adhesion molecule 1	platelet and endothelial cell adhesion molecule 1
PSMB10	PSMB10	NM_002801.3,NM_002801.4	MECL1,proteasome (prosome, macropain) subunit, beta type, 10	proteasome subunit beta 10
PTEN	PTENP1,PTEN	NR_023917.1,NM_000314.6,NM_001304717.5,NM_000314.7,NM_001304718.2	phosphatase and tensin homolog pseudogene 1 (functional)	phosphatase and tensin homolog pseudogene 1
PTPRC	PTPRC	NM_080921.3,XM_006711474.3,XM_006711473.3,XM_006711472.4,NM_002838.5	CD45	protein tyrosine phosphatase receptor type C
STAT1	STAT1	NM_007315.3,NM_139266.2,XM_006712718.1,XR_001738915.2,XM_017004783.2,XR_001738914.2	signal transducer and activator of transcription 1, 91kDa,signal transducer and activator of transcription 1, 91kDa	signal transducer and activator of transcription 1
STAT2	STAT2	NM_005419.3,XR_245953.3,XM_011538697.2,XM_011538700.2,XR_001748856.1,XR_001748857.1,XM_017019904.2,XR_002957375.1,XR_001748858.2,XM_011538699.3,XM_011538698.3,XR_002957376.1,NM_005419.4,NM_198332.2	signal transducer and activator of transcription 2, 113kDa,signal transducer and activator of transcription 2, 113kDa	signal transducer and activator of transcription 2
STAT3	STAT3	NM_003150.3,NM_139276.2,XM_017024973.2,XM_024450896.1,NM_001369518.1,NM_003150.4,NM_001369519.1,NM_001369516.1,NM_001369517.1,NM_001369514.1,NM_001369512.1,NM_001369520.1,NM_001369513.1,NM_213662.2	signal transducer and activator of transcription 3 (acute-phase response factor)	signal transducer and activator of transcription 3
TBX21	TBX21	NM_013351.1,NM_013351.2	T-box 21	T-box transcription factor 21
TIGIT	TIGIT	NM_173799.3,XR_002959502.1,XM_024453388.1,NM_173799.4	VSIG9,VSTM3,VSIG9, VSTM3	T cell immunoreceptor with Ig and ITIM domains
TNF	TNF	NM_000594.3,NM_000594.4	TNFA,tumor necrosis factor (TNF superfamily, member 2)	tumor necrosis factor
TNFRSF9	TNFRSF9	NM_001561.5,XM_011541386.2,XM_006710618.3	ILA,tumor necrosis factor receptor superfamily, member 9	TNF receptor superfamily member 9
VEGFA	VEGFA	NM_001171630.1,NM_001171625.1,NM_001171624.1,NM_001171626.1,NM_001171628.1,NM_001171629.1,NM_001171627.1,NM_001171623.1,NM_001204384.1,NM_001317010.1,NM_001025369.3,NM_001204385.2,NM_001025367.3,NM_001171622.2,NM_003376.6,NM_001025368.3,NM_001025370.3,NM_001033756.3,NM_001025366.3,NM_001287044.2	VEGF,vascular endothelial growth factor	vascular endothelial growth factor A
VSIR	VSIR	NM_022153.1,NM_022153.2	C10orf54,chromosome 10 open reading frame 54	V-set immunoregulatory receptor
Internal Reference Genes				
OAZ1	OAZ1	NM_004152.3,NM_001301020.1	OAZ	ornithine decarboxylase antizyme 1
POLR2A	POLR2A	NM_000937.4,NM_000937.5	POLR2,polymerase (RNA) II (DNA directed) polypeptide A, 220kDa	RNA polymerase II subunit A
RAB7A	RAB7A	NM_004637.5	RAB7,CMT2B,RAB7, member RAS oncogene family,Charcot-Marie-Tooth neuropathy 2B	RAB7A, member RAS oncogene family
SDHA	SDHA,SDHAP1,SDHAP2,LOC220729,SDHAP3	NM_004168.2,NM_001294332.1,NM_001330758.1,XM_024446143.1,XR_002956167.1,XM_017009685.2,NM_004168.4,NM_004168.3,XM_011514073.2,XM_011514072.2,NR_003264.2,NR_003265.3,NR_003266.2,NR_003263.2	SDH2,succinate dehydrogenase complex, subunit A, flavoprotein (Fp),succinate dehydrogenase complex subunit A, flavoprotein (Fp),SDHAL1,SDHALP1,succinate dehydrogenase complex, subunit A, flavoprotein-like 1,succinate dehydrogenase complex, subunit A, flavoprotein pseudogene 1,succinate dehydrogenase complex subunit A, flavoprotein pseudogene 1,SDHAL,SDHA, succinate dehydrogenase complex, subunit A, flavoprotein-like,SDHA C-terminal like,succinate dehydrogenase complex, subunit A, flavoprotein pseudogene 3,succinate dehydrogenase complex subunit A, flavoprotein pseudogene 3	succinate dehydrogenase complex flavoprotein subunit A,succinate dehydrogenase complex flavoprotein subunit A pseudogene 1,succinate dehydrogenase complex flavoprotein subunit A pseudogene 3
UBB	UBB,UBBP4	NM_001281716.1,NM_001281720.1,NM_018955.3,NM_001281717.1,NM_001281719.1,NM_001281718.1,NM_018955.4,NR_144546.1		ubiquitin B

Suppl. Table 3 - GeoMx® Immune Cell Protein Profiling Panel

Protein Name	Accession	Full Target Name	Protein ID
Target Proteins			
CD68	P34810	CD68 molecule	DPROT_00006.1
HLA-DR	P04233	CD74 molecule, major histocompatibility complex, class II invariant chain	DPROT_00007.1
Ki-67	P46013	marker of proliferation Ki-67	DPROT_00009.1
Beta-2-microglobulin	P61769	beta-2-microglobulin	DPROT_00010.1
CD11c	P20702,H3BN02	integrin, alpha X (complement component 3 receptor 4 subunit)	DPROT_00011.1
CD20	A0A024R507,P11836	membrane-spanning 4-domains, subfamily A, member 1	DPROT_00012.1
CD3	B0YIY5,P09693,P07766,B0YIY4,P04234	CD3g molecule, gamma (CD3-TCR complex) ,CD3e molecule, epsilon (CD3-TCR complex) ,CD3d molecule, delta (CD3-TCR complex)	DPROT_00013.1
CD4	B4DT49,P01730,B0AZV7	CD4 molecule	DPROT_00014.1
CD45	M9MML4,A0A0A0MT22,P08575,X6R433	protein tyrosine phosphatase, receptor type, C	DPROT_00015.1
CD56	P13591,A0A087WWD4	neural cell adhesion molecule 1	DPROT_00016.1
CD8	P01732,Q6ZVS2,Q8TAW8	CD8a molecule	DPROT_00017.1
CTLA4	P16410	cytotoxic T-lymphocyte associated protein 4	DPROT_00395.1
GZMB	J3KQ52,Q6XGZ4,P10144,Q67BC3	granzyme B	DPROT_00019.1
PD-L1	Q0GN75,Q9NZQ7	CD274 molecule	DPROT_00021.1
PanCk	P04264,P13645,P35908,P08779,P13647,P04259,P08727,A0A0S2Z428,P02538,Q7L4M3,P05787,P02533,P12035	keratin 1 ,keratin 10 ,keratin 2 ,keratin 16 ,keratin 5 ,keratin 6B ,keratin 19 ,keratin 6A ,keratin 8 ,keratin 14 ,keratin 3	DPROT_00022.1
SMA	D2JYH4,P62736	actin, alpha 2, smooth muscle, aorta	DPROT_00023.1
Housekeepings			
Fibronectin	B7ZLE5,P02751,Q6MZM7,Q9UQS6,Q6MZF4,Q6N084	fibronectin 1	DPROT_00024.1
Histone H3	P68431	histone 1, H3a	DPROT_00005.1
S6	A2A3R6,P62753	ribosomal protein S6	DPROT_00008.1
GAPDH	P04406,V9HVZ4	glyceraldehyde-3-phosphate dehydrogenase	DPROT_00020.1

Suppl. Table S4 - DE (Differentially expressed) Genes between CAFs and PDAC cells

Gene ID	Predicted (LS) mean diff.	95.00% CI of diff.	Summary	Adj. P Value
AKT1	-0.2889	-1.006 to 0.4281	ns	>.999
ARG1	0.1241	-0.5929 to 0.8411	ns	>.999
B2M	-0.754	-1.471 to -0.03691	*	0.026
BATF3	-0.007809	-0.7249 to 0.7092	ns	>.999
BCL2	-0.1807	-0.8977 to 0.5363	ns	>.999
CCL5	-0.003357	-0.7204 to 0.7137	ns	>.999
CCND1	-0.6548	-1.372 to 0.06224	ns	0.135
CD27	-0.5335	-1.251 to 0.1836	ns	0.586
CD274	0.3527	-0.3643 to 1.070	ns	>.999
CD276	-0.2009	-0.9180 to 0.5161	ns	>.999
CD3E	-0.1762	-0.8932 to 0.5408	ns	>.999
CD4	0.03733	-0.6797 to 0.7544	ns	>.999
CD40	-0.1788	-0.8958 to 0.5383	ns	>.999
CD40LG	0.439	-0.2781 to 1.156	ns	0.947
CD44	-1.243	-1.960 to -0.5262	***	<.001
CD47	-0.4952	-1.212 to 0.2218	ns	0.769
CD68	-0.02783	-0.7449 to 0.6892	ns	>.999
CD74	-0.05368	-0.7707 to 0.6634	ns	>.999
CD86	0.4292	-0.2879 to 1.146	ns	0.963
CD8A	-0.4655	-1.183 to 0.2515	ns	0.881
CMKLR1	0.2934	-0.4236 to 1.010	ns	>.999
CSF1R	-0.1916	-0.9086 to 0.5255	ns	>.999
CTLA4	0.3069	-0.4102 to 1.024	ns	>.999
CTNNB1	-0.9389	-1.656 to -0.2218	***	<.001
CXCL10	-0.4363	-1.153 to 0.2807	ns	0.952
CXCL9	-0.1486	-0.8656 to 0.5685	ns	>.999
CXCR6	-0.03438	-0.7514 to 0.6827	ns	>.999
DKK2	0.6454	-0.07161 to 1.362	ns	0.155
EPCAM	-1.257	-1.974 to -0.5396	***	<.001
FAS	-0.8611	-1.578 to -0.1441	**	0.003
FOXP3	-0.2305	-0.9475 to 0.4865	ns	>.999
GZMB	-0.1086	-0.8256 to 0.6084	ns	>.999
HAVCR2	-0.04067	-0.7577 to 0.6764	ns	>.999
HIF1A	-0.3947	-1.112 to 0.3224	ns	0.992
HLA-DQ	0.05858	-0.6585 to 0.7756	ns	>.999
HLA-DRB	0.1198	-0.5972 to 0.8369	ns	>.999
HLA-E	-0.6245	-1.342 to 0.09251	ns	0.209
ICAM1	0.02983	-0.6872 to 0.7469	ns	>.999
ICOSLG	0.1168	-0.6003 to 0.8338	ns	>.999
IDO1	-0.2887	-1.006 to 0.4284	ns	>.999
IFNAR1	-0.1252	-0.8423 to 0.5918	ns	>.999

IFNG	-0.547	-1.264 to 0.1701	ns	0.519
IFNGR1	-0.2027	-0.9198 to 0.5143	ns	>.999
IL12B	0.03619	-0.6809 to 0.7532	ns	>.999
IL15	-0.1079	-0.8249 to 0.6092	ns	>.999
IL6	-0.4944	-1.211 to 0.2227	ns	0.772
ITGAM	-0.05495	-0.7720 to 0.6621	ns	>.999
ITGAV	-0.2409	-0.9579 to 0.4762	ns	>.999
ITGAX	-0.1199	-0.8369 to 0.5972	ns	>.999
ITGB2	0.000698	-0.7163 to 0.7177	ns	>.999
ITGB8	-0.6976	-1.415 to 0.01942	ns	0.069
KRT	-1.652	-2.369 to -0.9346	***	<.001
LAG3	-0.4114	-1.128 to 0.3057	ns	0.983
LY6E	-0.6871	-1.404 to 0.02991	ns	0.082
MKI67	0.05844	-0.6586 to 0.7755	ns	>.999
MS4A1	-0.1234	-0.8404 to 0.5937	ns	>.999
NKG7	-0.2236	-0.9406 to 0.4935	ns	>.999
OAZ1	-0.3647	-1.082 to 0.3523	ns	0.999
pan-melanocyt	-0.07283	-0.7899 to 0.6442	ns	>.999
PDCD1	-0.1117	-0.8288 to 0.6053	ns	>.999
PDCD1LG2	0.09882	-0.6182 to 0.8159	ns	>.999
PECAM1	0.3174	-0.3997 to 1.034	ns	>.999
POLR2A	-0.2558	-0.9728 to 0.4613	ns	>.999
PSMB10	-0.5415	-1.259 to 0.1756	ns	0.546
PTEN	-0.1109	-0.8279 to 0.6062	ns	>.999
PTPRC	0.1539	-0.5631 to 0.8709	ns	>.999
RAB7A	-0.212	-0.9291 to 0.5050	ns	>.999
SDHA	-0.08457	-0.8016 to 0.6325	ns	>.999
STAT1	-0.8192	-1.536 to -0.1022	**	0.008
STAT2	-0.1545	-0.8716 to 0.5625	ns	>.999
STAT3	-0.4829	-1.200 to 0.2341	ns	0.82
TBX21	0.3823	-0.3348 to 1.099	ns	0.996
TIGIT	-0.1245	-0.8415 to 0.5926	ns	>.999
TNF	-0.1551	-0.8722 to 0.5619	ns	>.999
TNFRSF9	-0.1172	-0.8342 to 0.5998	ns	>.999
UBB	-1.255	-1.972 to -0.5375	***	<.001
VEGFA	-0.1547	-0.8718 to 0.5623	ns	>.999
VSIR	-0.4305	-1.148 to 0.2865	ns	0.961