Gene	Locus	log2(control FPKM)	log2(KPC FPKM)	log2(Ratio)
Dmbt1	chr7:131032075-131121628	-2.04	1.57	3.61
Sult1e1	chr5:87575967-87591611	-1.16	1.91	3.07
Tff3	chr17:31125305-31129611	1.54	4.54	2.99
2310034O05Rik	chr5:100210691-100218049	-1.30	1.58	2.88
Mmp9	chr2:164948218-164955849	-0.28	2.29	2.58
S100a8	chr3:90669070-90670034	5.07	7.02	1.95
Cxcl1	chr5:90891244-90893115	5.21	7.09	1.89
Cenpm	chr15:82233775-82244747	0.50	2.37	1.87
Lcn2	chr2:32384636-32387739	1.89	3.73	1.84
Fabp7	chr10:57784922-57788450	3.10	4.88	1.78
Atp6v0d2	chr4:19876837-19922566	0.25	2.02	1.77
A1bg	chr15:60917588-60921270	4.50	6.19	1.69
Plk1	chr7:122159436-122169875	-0.81	0.82	1.63
Gfra2	chr14:70890106-70979840	-0.49	1.12	1.61
Zbtb16	chr9:48654296-48835945	-0.09	1.51	1.60
Nusap1	chr2:119609531-119650160	-0.94	0.66	1.60
Ly6c1	chr15:75044017-75048837	-0.91	0.67	1.58
Mt2	chr8:94172617-94173567	9.13	10.70	1.57
S100a9	chr3:90692629-90695721	4.55	6.08	1.53
D17H6S56E-5	chr17:34996723-35000746	2.20	3.73	1.53
2810428I15Rik	chr8:70504295-70506739	3.90	5.42	1.52
Cdca3	chr6:124830175-124833701	-0.69	0.83	1.52
Birc5	chr11:117849236-117855743	2.91	4.41	1.50
Ccl6	chr11:83582060-83623693	3.83	5.32	1.48
Orm2	chr4:63362448-63365877	2.86	4.34	1.48
B3galnt1	chr3:69573918-69598960	-0.50	0.99	1.48
Saa1	chr7:46740498-46742980	8.22	9.69	1.47
Cd207	chr6:83671206-83677857	0.49	1.97	1.47
H2-Q1	chr17:35320557-35325099	0.67	2.13	1.45
Ccr5	chr9:124121542-124127183	1.29	2.73	1.44
Bin2	chr15:100641081-100669500	-0.05	1.37	1.42
P2rx7	chr5:122643910-122691432	-0.06	1.35	1.41
Ube2c	chr2:164769928-164772902	0.70	2.10	1.40
Il1rn	chr2:24336859-24351491	2.61	3.98	1.37
Fam81a	chr9:70089309-70141557	-0.41	0.95	1.37
Sult2a7	chr7:14465158-14492926	1.18	2.53	1.35
Wfdc17	chr11:83704055-83706269	5.46	6.80	1.34
Adgre4	chr17:55749983-55853662	1.35	2.69	1.34
Slc16a5	chr11:115462472-115474398	0.16	1.45	1.29
Cd86	chr16:36603868-36666077	-0.04	1.24	1.28
Mt1	chr8:94179088-94180327	8.99	10.27	1.27
Saa2	chr7:46751832-46754314	7.14	8.42	1.27
Evl	chr12:108371152-108702306	0.67	1.92	1.26
Ifi205	chr1:174011997-174031755	0.64	1.89	1.25
Cyp7a1	chr4:6265611-6275631	4.07	5.29	1.22
Lyz2	chr10:117277540-117282272	3.73	4.94	1.21
Treml4	chr17:48264294-48275358	0.91	2.11	1.21
Ubd	chr17:37193891-37196101	1.37	2.56	1.20
Rbp1	chr9:98422960-98446550	2.76	3.94	1.19
Fcgr1	chr3:96282908-96293969	-0.35	0.83	1.18
B430306N03Rik	chr17:48316161-48326511	-0.48	0.70	1.18
Lgals3	chr14:47373859-47386167	1.31	2.48	1.17
Ly6d	chr15:74762055-74763567	2.48	3.63	1.16
Usp2	chr9:44067020-44095627	3.41	4.55	1.14
Rcsd1	chr1:165648944-165708094	1.11	2.22	1.12
Kcnj16	chr11:110968032-111027967	-0.37	0.75	1.12
Fpr1	chr17:17876470-17883939	1.36	2.48	1.11
Dok2	chr14:70774380-70778494	0.45	1.56	1.11
Fcgr3	chr1:171051168-171059403	3.94	5.04	1.10
Clec4n	chr6:123229842-123247024	3.04	4.14	1.09
Ms4a6d	chr19:11586605-11604804	1.33	2.41	1.08
Top2a	chr11:98992946-99024189	-0.18	0.90	1.08
Cd5l	chr3:87357880-87371074	7.75	8.81	1.07
Plac8	chr5:100553732-100572205	5.38	6.44	1.07
Folr2	chr7:101839987-101857190	4.20	5.26	1.06
Fgd2	chr17:29360913-29379535	0.25	1.31	1.06
Ccl24	chr5:135569936-135573043	2.86	3.89	1.04

Gene	Locus	log2(control FPKM)	log2(KPC FPKM)	log2(Ratio)
Marco	chr1:120474537-120505084	5.32	6.34	1.02
Cd44	chr2:102811141-102901665	1.82	2.83	1.02
Clec4a2	chr6:123122689-123143999	1.16	2.18	1.01
Cd53	chr3:106758860-106790149	0.49	1.50	1.01
Nnmt	chr9:48591889-48605077	6.82	7.82	1.00
Adcy4	chr14:55769091-55784019	0.09	1.09	1.00
Cyp26b1	chr6:84571413-84593908	4.40	5.39	0.99
Tyrobp	chr7:30413787-30417579	3.96	4.94	0.98
March1	chr8:65618039-66471637	-0.11	0.87	0.98
Fcna	chr2:25624666-25627974	6.67	7.65	0.97
Cxcl13	chr5:95956938-95961068	2.73	3.69	0.96
Slc13a3	chr2:165405294-165473197	1.99	2.94	0.96
Rhbg	chr3:88242873-88254684	1.63	2.59	0.96
Ncf1	chr5:134220052-134229625	0.94	1.90	0.96
Lrtm1	chr14:28904942-29721864	0.88	1.85	0.96
Pcolce2	chr9:95637627-95695551	1.26	2.21	0.95
C3ar1	chr6:122847139-122856157	-0.35	0.58	0.93
Orm3	chr4:63356161-63359511	3.60	4.52	0.92
Icos	chr1:60977913-61000321	0.03	0.96	0.92
Cfp	chrX:20925534-20931524	3.45	4.36	0.90
Ppargc1b	chr18:61298135-61400431	1.77	2.67	0.90
Cmklr1	chr5:113612354-113650390	1.71	2.61	0.90
Ms4a6c	chr19:11469367-11482196	3.34	4.23	0.89
Chac1	chr2:119351241-119354327	1.54	2.43	0.89
Arrdc2	chr8:70835137-70839720	0.84	1.73	0.89
Clca3a1	chr3:144729676-144760977	-0.04	0.85	0.89
Slfn2	chr11:83065111-83070678	2.03	2.90	0.87
Slc41a3	chr6:90604879-90646412	1.85	2.72	0.87
Ptgs1	chr2:36230425-36252271	1.73	2.60	0.87
Il1r1	chr1:40225079-40316177	1.38	2.25	0.87
Tbc1d30	chr10:121263819-121311189	0.43	1.30	0.87
Nfkbiz	chr16:55811376-55838641	1.34	2.21	0.86
Trpm2	chr10:77907721-77969872	0.61	1.47	0.86
Saa4	chr7:46727998-46732543	7.50	8.35	0.85
Cd163	chr6:124304650-124330527	2.83	3.68	0.85
Adgre1	chr17:57358685-57483529	1.81	2.66	0.85
Adgre5	chr8:83715176-83741311	3.25	4.09	0.84
Lrg1	chr17:56119677-56121946	7.76	8.59	0.83
Fkbp5	chr17:28398752-28486149	4.67	5.49	0.83
Csf1r	chr18:61105571-61131139	2.53	3.35	0.83
Per3	chr4:151003654-151044665	1.49	2.33	0.83
Mcm6	chr1:128331590-128359656	0.47	1.29	0.83
Adm	chr7:110627668-110629819	3.18	4.00	0.82
Car5a	chr8:121907832-121944912	3.00	3.83	0.82
Tmem25	chr9:44793778-44799216	2.44	3.25	0.82
Lpin1	chr12:16535668-16589770	6.42	7.23	0.81
Alox5ap	chr5:149265003-149288153	2.78	3.58	0.81
Ctss	chr3:95526785-95556405	5.87	6.67	0.80
Cdk1	chr10:69336634-69352912	0.81	1.61	0.80
Fcer1g	chr1:171229571-171234349	4.17	4.97	0.79
Gne	chr4:44034074-44084177	2.89	3.67	0.79
Lilra5	chr7:4237753-4243463	2.08	2.88	0.79
Atp1b3	chr9:96332674-96364299	5.43	6.21	0.78
Anxa3	chr5:96793384-96845968	1.90	2.68	0.78
Apcs	chr1:172893960-172895054	6.92	7.68	0.76
Vsig4	chrX:96247202-96293438	5.09	5.85	0.76
B930025P03Rik	chr8:10870421-10882454	1.75	2.50	0.76
Pik3cd	chr4:149649167-149701629	2.53	3.28	0.75
Itgal	chr7:127296259-127335137	1.43	2.18	0.75
Clec4f	chr6:83644541-83656116	3.63	4.37	0.74
Mpeg1	chr19:12460778-12465285	2.12	2.86	0.74
Csf2rb	chr15:78325989-78351001	0.78	1.52	0.74
Kcnk5	chr14:20140057-20181782	3.31	4.04	0.73
Adora1	chr1:134193447-134235457	2.97	3.70	0.73
6330416G13Rik	chr4:63560359-63586353	1.00	1.73	0.73
Cd36	chr5:17781689-17888959	3.70	4.42	0.72
Eif4ebp3	chr18:36664059-36666324	5.43	6.13	0.71

Gene	Locus	log2(control FPKM)	log2(KPC FPKM)	log2(Ratio)
Tlr12	chr4:128615445-128618619	2.90	3.61	0.71
Ip6k2	chr9:108795993-108806333	2.71	3.43	0.71
Ms4a6b	chr19:11518558-11530403	2.26	2.97	0.71
Sla	chr15:66670769-66850720	1.67	2.38	0.71
Bhlhe41	chr6:145858242-145865420	0.54	1.25	0.71
C1qb	chr4:136880144-136886177	4.26	4.95	0.70
1810055G02Rik	chr19:3708332-3717881	2.62	3.32	0.70
Cd300ld	chr11:114982445-114989886	1.78	2.47	0.70
Lpl	chr8:68880554-68906932	4.11	4.80	0.69
Slc37a4	chr9:44396926-44402968	5.29	5.96	0.67
Hes1	chr16:30065356-30067796	4.63	5.29	0.66
Stmn1	chr4:134468319-134473843	3.96	4.63	0.66
Axl	chr7:25756499-25788733	1.10	1.76	0.66
Dct	chr14:118012789-118052246	4.22	4.87	0.65
Rgs2	chr1:143999337-144004149	3.48	4.14	0.65
Slc22a7	chr17:46432184-46438477	2.76	3.41	0.65
Snai2	chr16:14705858-14709382	2.64	3.28	0.65
Timd4	chr11:46810798-46844333	2.78	3.41	0.64
Trim30a	chr7:104409025-104465193	2.12	2.76	0.64
Fyb	chr15:6579846-6665608	1.49	2.13	0.64
Eif4g1	chr16:20672726-20692883	4.83	5.46	0.63
Msr1	chr8:39467447-40227787	3.74	4.37	0.63
Klf13	chr7:63886350-63938915	2.60	3.23	0.63
Narf	chr11:121237235-121255856	2.57	3.20	0.63
Il6ra	chr3:89869323-89913162	2.43	3.07	0.63
Trak1	chr9:121366957-121474918	2.30	2.93	0.63
Pdia4	chr6:47796140-47813512	5.24	5.85	0.61
Clec1b	chr6:129397296-129405413	4.25	4.86	0.61
Abhd15	chr11:77515116-77520628	3.36	3.97	0.61
Tsc22d3	chrX:140539528-140600522	5.45	6.04	0.60
Fam214a	chr9:74953052-75032468	2.95	3.56	0.60
Adam23	chr1:63445903-63596515	1.26	1.87	0.60
Mndal	chr1:173857219-173880187	3.74	4.33	0.59
Snx10	chr6:51523902-51590670	3.43	4.02	0.59
Trib3	chr2:152337424-152344060	3.42	4.01	0.59
Cyp2d37-ps	chr15:82688749-82690058	5.25	5.83	0.58
Tmem176b	chr6:48833810-48841374	6.46	7.03	0.57
Enho	chr4:41569793-41640302	5.39	5.96	0.57
Plekhg3	chr12:76533559-76579039	3.73	4.30	0.57
Eva1a	chr6:82041627-82093099	5.35	5.88	0.53
Wsb1	chr11:79239381-79254695	4.70	4.14	-0.56
Ufl1	chr4:25248585-25281821	4.40	3.83	-0.56
Egln3	chr12:54178980-54203874	3.90	3.34	-0.56
Cyp2d40	chr15:82759832-82764122	5.99	5.42	-0.57
Tbcc	chr17:46890620-46892463	4.74	4.16	-0.57
Nxt2	chrX:142226769-142239700	4.03	3.46	-0.57
Gfm1	chr3:67430114-67475068	3.82	3.23	-0.59
Fam96b	chr8:104639838-104641728	5.67	5.07	-0.60
Rell1	chr5:63908897-63968897	5.21	4.61	-0.60
Tex30	chr1:44086616-44102388	4.61	4.01	-0.60
Pex5	chr6:124396815-124415067	3.12	2.52	-0.60
Pxdc1	chr13:34627840-34652681	5.91	5.30	-0.61
Mal2	chr15:54571365-54602846	5.13	4.52	-0.61
Avpr1a	chr10:122448498-122453453	5.09	4.49	-0.61
Rai14	chr15:10568977-10714631	2.29	1.68	-0.61
Nop10	chr2:112261925-112262898	9.07	8.44	-0.63
Sdhd	chr9:50596339-50603849	7.39	6.75	-0.63
Socs2	chr10:95411489-95416857	5.73	5.09	-0.64
Keg1	chr19:12695789-12719896	5.35	4.71	-0.64
Sf3b4	chr3:96172505-96177564	3.41	2.77	-0.64
Gtf2h2	chr13:100468576-100492609	3.36	2.72	-0.64
Slc30a10	chr1:185447115-185468761	2.80	2.16	-0.64
Gtf2b	chr3:142765246-142783605	4.91	4.26	-0.65
Pllp	chr8:94674894-94696242	4.19	3.53	-0.65
Siah2	chr3:58674948-58692388	3.67	3.03	-0.65
Hopx	chr5:77086985-77115123	6.06	5.40	-0.66
Mrpl3	chr9:105053267-105077476	4.39	3.73	-0.66

Gene	Locus	log2(control FPKM)	log2(KPC FPKM)	log2(Ratio)
Spryd7	chr14:61534304-61556886	3.62	2.96	-0.66
Pde4b	chr4:102254741-102607262	2.63	1.97	-0.66
Serpina7	chrX:139079249-139085236	3.66	2.98	-0.67
Tfpi2	chr6:3962594-3968354	5.19	4.51	-0.68
Insig2	chr1:121304352-121332589	8.17	7.48	-0.69
Leap2	chr11:53422180-53423136	9.62	8.92	-0.71
Net1	chr13:3882017-3918220	3.78	3.06	-0.71
St5	chr7:109523910-109617147	2.46	1.75	-0.71
Col27a1	chr4:63215411-63334990	0.96	0.25	-0.71
Ddc	chr11:11814100-11898144	6.55	5.84	-0.72
Serpina12	chr12:104028768-104044443	3.33	2.61	-0.72
Lrwd1	chr5:136123065-136136074	2.56	1.83	-0.73
Foxq1	chr13:31558169-31560974	5.78	5.04	-0.74
5830473C10Rik	chr5:90561208-90597906	3.61	2.86	-0.74
Dusp1	chr17:26505590-26508472	6.80	6.05	-0.75
Ets2	chr16:95702406-95721049	3.93	3.18	-0.75
Lect1	chr14:79637689-79662170	2.96	2.21	-0.75
Rnf125	chr18:20944624-20983848	5.19	4.43	-0.76
Chka	chr19:3851772-3894369	3.19	2.42	-0.77
Slc16a6	chr11:109440077-109573329	3.01	2.23	-0.78
Lgalsl	chr11:20823354-20831108	1.93	1.14	-0.79
E2f8	chr7:48866428-48881041	1.92	1.13	-0.79
Sucnr1	chr3:60081868-60087566	5.44	4.64	-0.80
Qprt	chr7:127107769-127122029	5.93	5.12	-0.81
Cldn1	chr16:26356645-26371839	4.18	3.36	-0.81
Serpine2	chr1:79794320-79858665	3.14	2.33	-0.81
Klc2	chr19:5107745-5118408	1.67	0.86	-0.81
Gabarapl2	chr8:111940702-111952915	6.49	5.68	-0.82
Frat1	chr19:41829969-41832583	1.97	1.15	-0.82
Sh2b2	chr5:136218148-136244940	1.51	0.68	-0.83
Manba	chr3:135485610-135571403	2.11	1.28	-0.84
Cela1	chr15:100674421-100687920	7.35	6.50	-0.85
Slc25a25	chr2:32414486-32455476	4.95	4.11	-0.85
Cyp2d9	chr15:82452376-82456827	7.84	6.97	-0.86
Gstp1	chr19:4035410-4037912	4.64	3.75	-0.89
Cyp26a1	chr19:37697807-37701536	3.27	2.38	-0.89
Cyp2j9	chr4:96568428-96591485	2.13	1.24	-0.89
Tipin	chr9:64281606-64304792	3.04	2.14	-0.90
Mup12	chr4:60737380-60741281	7.99	7.07	-0.92
G6pc	chr11:101367729-101377903	6.23	5.30	-0.93
Adh6-ps1	chr3:138374120-138388291	5.13	4.20	-0.93
Cish	chr9:107296688-107301961	3.65	2.72	-0.93
Sik1	chr17:31844249-31855792	1.65	0.70	-0.94
Plekhb1	chr7:100643895-100662394	2.08	1.11	-0.97
Pde9a	chr17:31386233-31476309	1.52	0.56	-0.97
Mpzl1	chr1:165592180-165634541	1.50	0.53	-0.97
Dpy19l3	chr7:35685499-35754454	1.05	0.08	-0.97
Clpx	chr9:65294259-65330658	4.86	3.84	-1.02
Inhba	chr13:16014474-16027211	4.30	3.26	-1.04
Sdr9c7	chr10:127898534-127911759	1.69	0.64	-1.04
Sowahb	chr5:93041122-93045022	1.50	0.46	-1.04
Nudt7	chr8:114133573-114152312	10.43	9.37	-1.06
Cda	chr4:138338527-138367955	3.23	2.13	-1.10
1700017B05Rik	chr9:57252321-57262599	2.07	0.97	-1.10
Tubb2a	chr13:34074279-34078008	6.42	5.26	-1.16
Gadd45a	chr6:67035095-67080652	3.62	2.47	-1.16
Cyp2c55	chr19:39007018-39042687	1.90	0.74	-1.16
Fam160a1	chr3:85660062-85746209	0.89	-0.28	-1.17
Trp53inp1	chr4:11156440-11174377	4.48	3.30	-1.18
Mup21	chr4:62147831-62150841	8.27	7.06	-1.20
Cml5	chr6:85817217-85820972	3.09	1.79	-1.30
Myc	chr15:61985340-61990361	1.74	0.41	-1.32
Hhex	chr19:37434840-37440731	6.52	5.17	-1.35
Spon2	chr5:33213517-33218238	3.04	1.69	-1.35
Ppp1r3g	chr13:35967905-35970388	4.65	3.27	-1.38
Onecut1	chr9:74861920-74889647	2.88	1.41	-1.47
Elovl3	chr19:46131898-46148325	7.24	5.69	-1.55

Gene	Locus	log2(control FPKM)	log2(KPC FPKM)	log2(Ratio)
Hsd3b5	chr3:98618635-98645534	5.80	4.21	-1.58
Nr4a1	chr15:101266845-101274794	2.38	0.58	-1.80
Fst	chr13:114452261-114458951	2.66	0.72	-1.95
Slc13a2	chr11:78394484-78422185	2.42	0.46	-1.96
Gadd45g	chr13:51846674-51848474	5.55	3.58	-1.97
Serpina4-ps1	chr12:104077958-104086920	7.12	4.79	-2.33
Amtl	chr7:113207464-113314126	1.01	-1.49	-2.50

Supplementary Data 1 | List of differentially expressed genes. Data obtained from QuantSeq 3' mRNA sequencing on RNA isolated from the liver of control mice (n = 5) and NTB KPC mice (n = 5) were analyzed using Cufflinks Assembly & DE application to determine differentially expressed genes.

Name of gene set	Nom. *P*	FDR *q*	NES
G2M checkpoint	0.000	0.015	1.68
IL-6/JAK/STAT3 signaling	0.001	0.015	1.61
Mitotic spindle	0.000	0.026	1.54
Angiogenesis	0.039	0.058	1.45
Allograft rejection	0.004	0.062	1.42
Complement	0.006	0.053	1.42
Interferon gamma response	0.006	0.053	1.41
Kras signaling DN	0.010	0.082	1.36
E2F targets	0.013	0.092	1.34
Coagulation	0.030	0.084	1.33
Inflammatory response	0.025	0.084	1.33
Estrogen response late	0.027	0.142	1.26
Interferon alpha response	0.087	0.154	1.25

Supplementary Table 1 | Gene set enrichment analysis. Gene sets enriched in the liver of NTB KPC mice (n = 5) compared to control mice (n = 5). Only gene sets with FDR q < 0.25 are shown. Nom., nominal; FDR, false discovery rate; NES, normalized enrichment score. Data representative of one experiment. Statistical analysis was performed as previously described (Ref 38).

		PDAC patients		NSCLC patients	
Characteristic	Normal donors	Locally advanced	Liver metastasis	Locally advanced	Liver metastasis
Sex					
Male	33 (47.8%)	18 (64.3%)	26 (60.5%)	5 (62.5%)	6 (46.2%)
Female	36 (52.2%)	10 (35.7%)	17 (39.5%)	3 (37.5%)	7 (53.8%)
Age (years)					
Mean	59	65	64	74	63
Range	37-80	50-88	38-85	63-86	40-79
ECOG performance status					
0	Not applicable	12 (42.9%)	9 (20.9%)	0 (0%)	4 (30.8%)
1		12 (42.9%)	22 (51.2%)	0 (0%)	5 (38.4%)
2		2 (7.1%)	6 (14.0%)	0 (0%)	4 (30.8%)
3		0 (0%)	2 (4.6%)	0 (0%)	0 (0%)
Not available		2 (7.1%)	4 (9.3%)	8 (100%)	0 (0%)
Site of metastasis					
None	Not applicable	28 (100%)	0 (0%)	8 (100%)	0 (0%)
Liver		0 (0%)	43 (100%)	0 (0%)	13 (100%)
Peritoneum		0 (0%)	5 (11.6%)	0 (0%)	2 (15.4%)
Lung		0 (0%)	6 (14%)	0 (0%)	Not applicable
Previous treatment					
Surgery	Not applicable	0 (0%)	0 (0%)	1 (12.5%)	0 (0%)
Chemotherapy		0 (0%)	0 (0%)	0 (0%)	5 (38.4%)
Radiation therapy		0 (0%)	0 (0%)	0 (0%)	5 (38.4%)
Immunotherapy		0 (0%)	0 (0%)	0 (0%)	3 (23.1%)

		PDAC patients
Characteristic	Normal donors	Liver metastasis
Sex		
Male	4 (50.0%)	5 (71.4%)
Female	4 (50.0%)	2 (28.6%)
Age (year)		
Mean	33	66
Range	24-39	57-85
ECOG performance status		
0	Not applicable	3 (42.9%)
1		3 (42.9%)
2		1 (14.3%)
3		0
Not available		0
Site of metastasis		
None	Not applicable	0 (0%)
Liver		7 (100%)
Peritoneum		0 (0%)
Lung		0 (0%)
Previous treatment		
Surgery	Not applicable	3 (42.9%)
Chemotherapy		6 (85.7%)
Radiation therapy		1 (14.3%)
Immunotherapy		1 (14.3%)

Supplementary Table 2 | Normal donor and patient characteristics. Left, Characteristics of normal donors, PDAC patients, and NSCLC patients whose plasma samples were used for assessment of circulating SAA levels. Right, Characteristics of normal donors and PDAC patients whose liver specimens were used for assessment of SAA production.

Application	Target antigen/cell	Target species	Host species	Clone	Conjugation	Dose	Vendor	Catalog #
In vivo and *ex vivo*	CD4	Mouse	Rat	GK1.5	Unconjugated	0.2 mg/injection	BioXCell	BE0003-1
	CD8	Mouse	Rat	2.43	Unconjugated	0.2 mg/injection	BioXCell	BE0061
	F4/80^{+} myeloid cells	N/A	N/A	N/A	Unconjugated	10 μL/g of weight	Liposoma	C-010
	IL-6R	Mouse	Rat	15A7	Unconjugated	0.2 mg/injection	BioXCell	BE0047
	Isotype control	Mouse	Rat	LTF-2	Unconjugated	0.2 mg/injection	BioXCell	BE0090

Application	Target antigen	Target species	Host species	Clone	Conjugation	Dilution	Vendor	Catalog #
FCM	CD3	Mouse	Rat	17A2	Pacific Blue	1:100	BioLegend	100214
	CD4	Mouse	Rat	RM4-5	APC	1:100	eBioscience	17-0042-82
	CD4	Mouse	Rat	RM4-5	FITC	1:100	BioLegend	100510
	CD8	Mouse	Rat	53-6.7	PE-Cy7	1:100	BioLegend	100722
	CD8	Mouse	Rat	YTS156.7.7	PE	1:100	BioLegend	126607
	CD11b	Mouse	Rat	M1/70	APC	1:100	BD Biosciences	550993
	CD19	Mouse	Rat	1D3/CD19	APC	1:100	BioLegend	152410
	CD44	Mouse	Rat	IM7	PE	1:100	eBioscience	12-0441-82
	CD45	Mouse	Rat	30-F11	PE-Cy7	1:800	BD Biosciences	552848
	CD45	Mouse	Rat	30-F11	PerCP-Cy5.5	1:800	BD Biosciences	550994
	CD45.1	Mouse	Mouse	A20	Pacific Blue	1:100	BioLegend	110722
	CD45.2	Mouse	Mouse	104	PE-Cy7	1:100	BioLegend	109830
	CD62L	Mouse	Rat	MEL-14	APC-Cy7	1:100	Thermo Fisher	A15409
	Dead cells	Mouse	N/A	N/A	Aqua	1:600	Life Technologies	L34966
	F4/80	Mouse	Rat	BM8	FITC	1:100	eBioscience	11-4801-85
	Ly6G	Mouse	Rat	1A8	PerCP-Cy5.5	1:800	BD Biosciences	560602

Application	Target gene	Target species	Host species	Clone	Conjugation	Dilution	Vendor	Catalog #
RNA ISH	*IL-6*	Human	N/A	N/A	Unconjugated	No dilution	ACDBio	310379
	Il-6	Mouse	N/A	N/A	Unconjugated	No dilution	ACDBio	315899
	Saa	Mouse	N/A	N/A	Unconjugated	No dilution	ACDBio	450199

Application		Target antigen	Target species	Host species	Clone	Conjugation	Dilution	Vendor	Catalog #
Manual IF and IHC	Primary (1st)	Albumin	Mouse	Chicken	Polyclonal	Unconjugated	1:100	Abcam	ab106582
		Amyloid A	Mouse	Rabbit	Polyclonal	Unconjugated	1:2000	de Beer Lab*	N/A
		F4/80	Mouse	Rat	BM8	Unconjugated	1:80	eBioscience	14-4801
		FN	Mouse	Rabbit	Polyclonal	Unconjugated	1:200	Abcam	ab2413
		Ly6G	Mouse	Rat	1A8	Unconjugated	1:100	BioXCell	BE0075-1
		pSTAT3	Mouse	Rabbit	D3A7	Unconjugated	1:50	Cell Signaling	9145S
		COL1	Mouse	Rabbit	Polyclonal	Unconjugated	1:200	Abcam	ab34710
	Secondary (2nd)	IgG	Rabbit	Goat	Polyclonal	Alexa Fluor 488	1:500	Invitrogen	A-11008
		IgG	Rabbit	Goat	Polyclonal	Alexa Fluor 568	1:500	Invitrogen	A-11011
		IgG	Rabbit	Goat	Polyclonal	HRP	1:200	Vector Lab	PK-6101
		IgG	Rat	Goat	Polyclonal	Alexa Fluor 568	1:500	Invitrogen	A-11077
		IgY	Chicken	Goat	Polyclonal	Alexa Fluor 568	1:500	Invitrogen	A-11041

Application		Target antigen	Target species	Host species	Clone	Conjugation	Dilution	Vendor	Catalog #
Automated IF and IHC	Primary (1st)	α-SMA	Human, mouse	Rabbit	Polyclonal	Unconjugated	1:100	Abcam	ab5694
		Amyloid A	Human	Mouse	MC1	Unconjugated	1:50	Dako	M075901-2
		CD4	Mouse	Rabbit	EPR19514	Unconjugated	1:100	Abcam	ab183685
		CD8	Mouse	Rabbit	EPR20305	Unconjugated	1:100	Abcam	ab209775
		CD31	Human	Mouse	JC70	Unconjugated	No dilution	Ventana	760-4378
		CD31	Mouse	Rabbit	D8V9E	Unconjugated	1:50	Cell Signaling	77699
		CK19	Human	Mouse	A53-B/A2.26	Unconjugated	No dilution	Ventana	760-4281
		CK19	Mouse	Rabbit	EPNCIR127B	Unconjugated	1:800	Abcam	ab133496
		F4/80	Mouse	Rat	CI:A3-1	Unconjugated	1:100	Abcam	ab6640
		FN	Mouse	Rabbit	EPR19241-46	Unconjugated	1:100	Abcam	ab199056
		Ki-67	Mouse	Rabbit	D3B5	Unconjugated	1:200	Cell Signaling	12202
		Ly6G	Mouse	Rat	1A8	Unconjugated	1:100	BioXCell	BE0075-1
		pSTAT3	Human	Rabbit	E121-31	Unconjugated	1:100	Abcam	ab32143
		TIMP1	Mouse	Rat	RM0136-6A34	Unconjugated	1:100	Abcam	ab86482
	Secondary (2nd)	HQ	N/A	N/A	N/A	HRP	No dilution	Ventana	760-4820
		IgG	Rat	Goat	Polyclonal	HRP	No dilution	Ventana	760-4457
		IgG	Mouse	Goat	Polyclonal	NP	No dilution	Ventana	760-4816
		IgG	Rabbit	Goat	Polyclonal	NP	No dilution	Ventana	760-4817
		IgG	Rabbit	Goat	Polyclonal	AP	No dilution	Ventana	760-4314
		IgG	Rabbit	Goat	Polyclonal	HRP	No dilution	Ventana	760-4311
		IgG	Rabbit	Goat	Polyclonal	HQ	No dilution	Ventana	760-4815
		IgG	Rat	Rabbit	Polyclonal	Unconjugated	1:1000	Jackson ImmunoResearch	312-005-003
		IgM and IgG	Mouse	Goat	Polyclonal	HRP	No dilution	Ventana	760-4310
		NP	N/A	Mouse	Monoclonal	AP	No dilution	Ventana	760-4827

Chromogen	Application(s) used	Vendor	Catalog #
DAB (brown)	Manual IHC	Vector Lab	SK-4100
DAB (brown)	RNA ISH	Ventana	760-225
DAB (brown)	Automated IHC	Ventana	760-159
Purple	Automated IHC	Ventana	760-229
Teal	Automated IHC	Ventana	760-247
Yellow	Automated IHC	Ventana	760-239

Fluorophore	Application(s) used	Vendor	Catalog #
FAM	Automated IHC	Ventana	760-243
Red 610	Automated IHC and RNA ISH	Ventana	760-245

Supplementary Table 3 | Antibodies, probes, and reagents used in experiments. AP, alkaline phosphatase; DAB, 3,3'-diaminobenzidine; FAM, fluorescein amidite; FCM, flow cytometry; HRP, horseradish peroxidase; IF, immunofluorescence; IHC, immunohistochemistry; ISH, *in situ* hybridization; NP, nitropyrazole. N/A, not applicable. *Reference: Webb, N. R. et al. *Arterioscler. Thromb. Vasc. Biol.* **35,** 1156–1165 (2015).

Gene	Accession number	Forward (5’ to 3’)	Reverse (5’ to 3’)
Ccl6	NM_009139	TCGTCGCTATAACCCTCCAA	CTTGATGCACCCACCACTG
Col1a1	NM_007742	TAAGGGTACCGCTGGAGAAC	CTCCCTGAGCTCCAGCTTCT
Cxcl1	NM_008176	CCACACTCAAGAATGGTCGC	CCAGACAGGTGCCATCAGA
Des	NM_010043	CAGTCCTACACCTGCGAGAT	CGCGCAATGTTGTCCTGATA
Fn1	NM_010233	TTAAGCTCACATGCCAGTGC	CCCACTTCTCTCCGATCTTG
Lcn2	NM_008491	GCTTTACGATGTACAGCACCA	AGAGTGAACTGGCCAGCC
Mif	NM_010798	CCCAGAACCGCAACTACAGT	GGCAGCGTTCATGTCGTAAT
S100a8	NM_013650	AGGAAATCACCATGCCCTCT	GGAACTCCTCGAAGTTAATTGCA
S100a9	NM_001281852	TGACACCCTGAGCAAGAAGG	TGGTTTGTGTCCAGGTCCTC
Saa1	NM_009117	CCTGGTCTTCTGCTCCCTG	TCATGTCAGTGTAGGCTCGC
Saa2	NM_011314	CCTGGTCTTCTGCTCCCTG	ATCTTTCCAGCCAGCTTCCT
Timp1	NM_001044384	CACCCCACCCACAGACAG	TAACGCTGGTATAAGGTGGTCT

Supplementary Table 4 | Primer sequences.