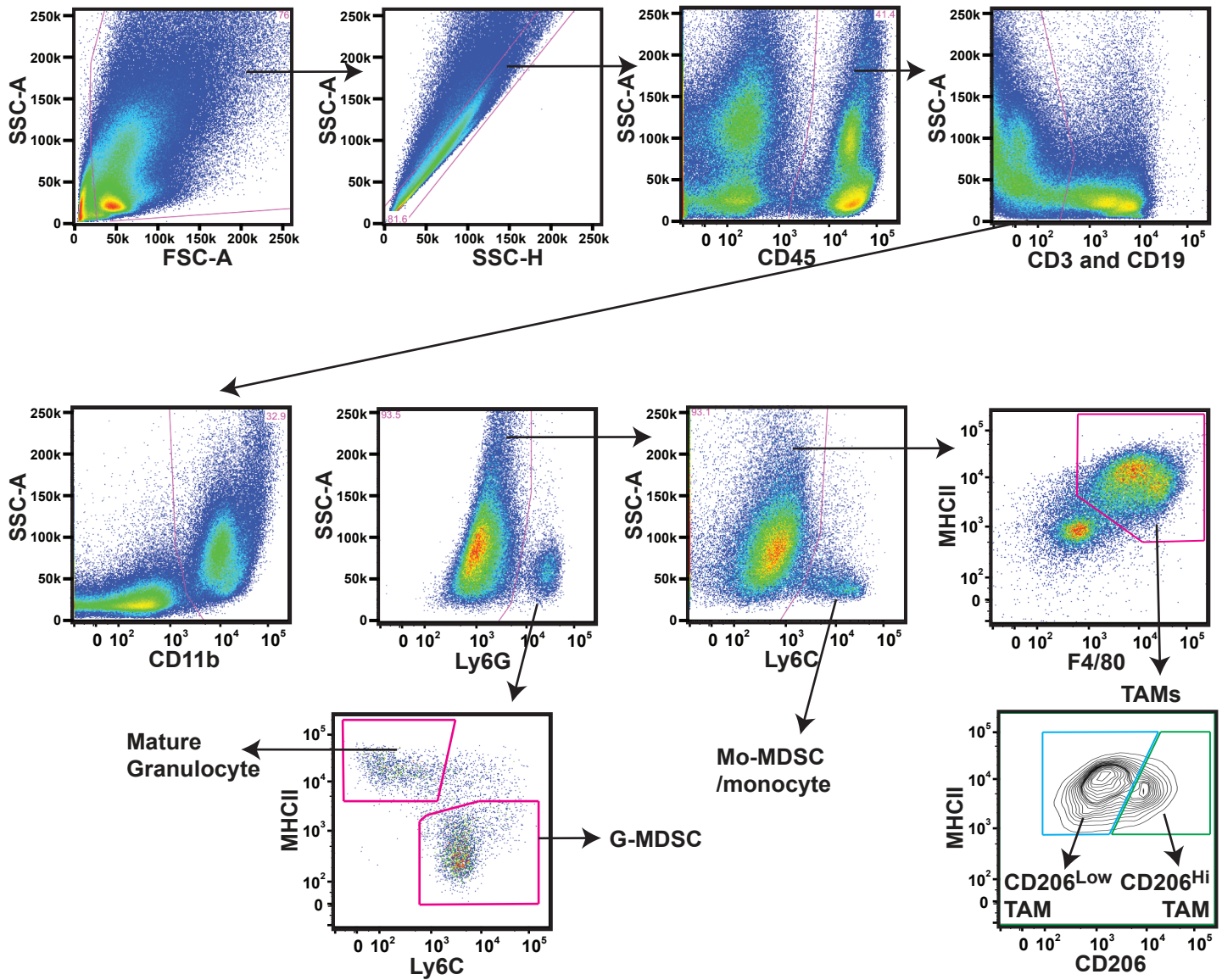
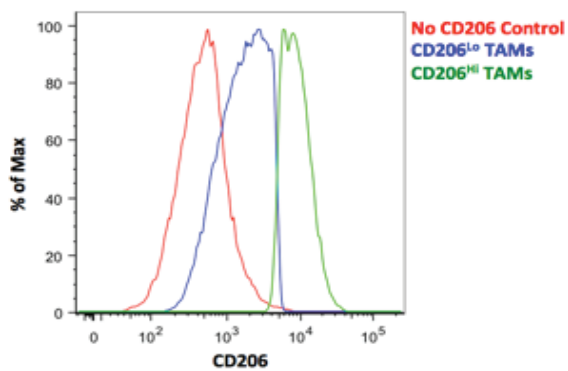


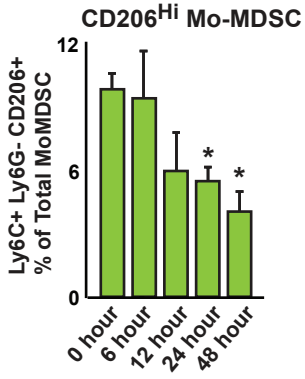
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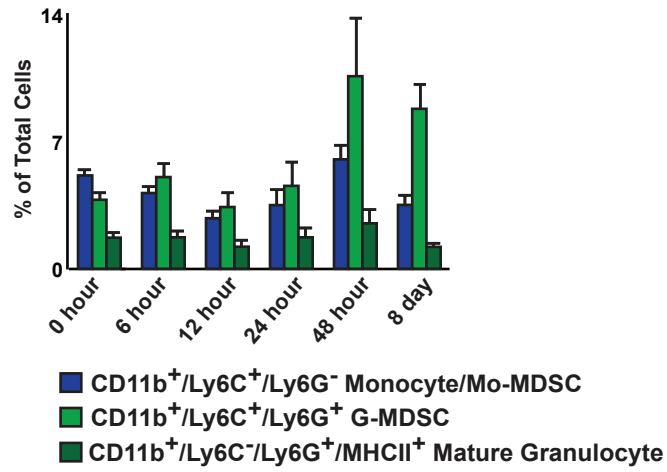
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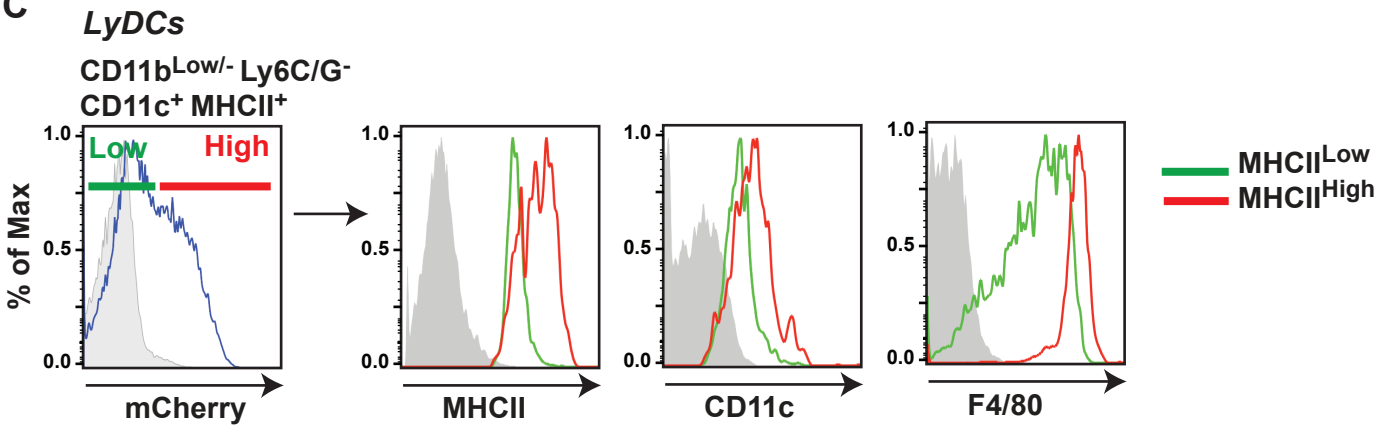
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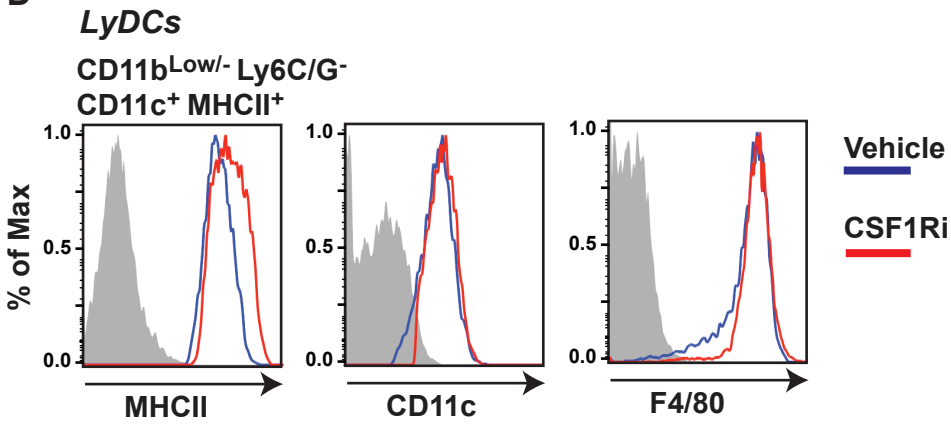
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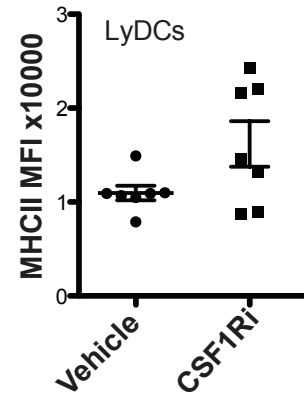
C



D



E



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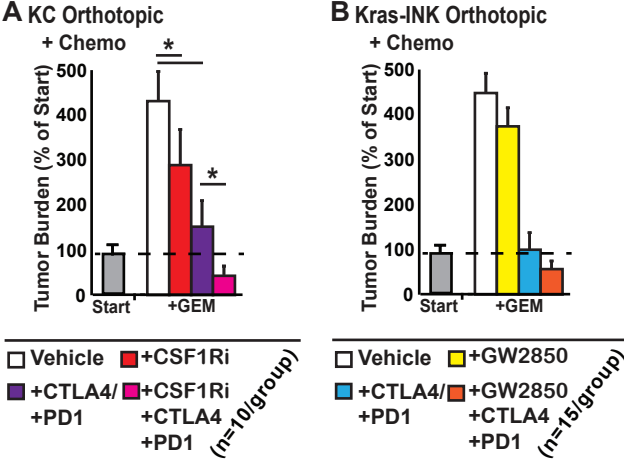


Figure S1. Flow cytometric analysis of leukocyte infiltration in orthotopic PDAC tumors. **A)** Representative FACS plots with gating strategy to identify mature granulocytes (CD11b⁺Ly6G⁺Ly6C⁻MHCII⁺), G-MDSCs (CD11b⁺Ly6G⁺Ly6C⁺), Mo-MDSCs (CD11b⁺Ly6G⁻Ly6C⁺), and CD206^{Lo} and CD206^{Hi} TAMs (CD11b⁺Ly6G/C-F4/80⁺MHCII⁺). **B)** CD206 expression in TAM subsets designated CD206^{High} and CD206^{Low}.

Figure S2. CSF1 blockade depletes CD206⁺ Mo-MDSCs and upregulates MHCII expression in Lymphoid DCs. **A)** Frequency of CD206^{Hi} Mo-MDSCs in orthotopic KI tumors from mice treated with aCSF1 for 6 hours to 8 days. **B)** Frequency of Mo-MDSCs, G-MDSCs, and mature granulocytes in KI tumors from (A). **C)** Flow cytometry analyses of MHCII, CD11c, and F4/80 expression in mCherry^{Low} and mCherry^{Hi} tumor-infiltrating LyDCs from mCherry⁺ KI tumor-bearing mice. Representative plots from 5 mice are depicted. **D)** Flow cytometry analyses of MHCII, CD11c, and F4/80 expression in tumor-infiltrating LyDCs from orthotopic KI tumors following vehicle or CSF1Ri treatment. **E)** MHCII expression in tumor-infiltrating LyDCs from mice in (D) is quantified as MFI.

Figure S3. A-B) Mice bearing orthotopic KC (A) or KI (B) tumors were treated with vehicle, PLX3397, GW2850, +/- GEM +/- α PD1 and/or α CTLA4. The tumor burden is displayed as mean tumor weight (n=10-15) compared to that of 5 mice sacrificed at the start of treatment (“Start”).

Supplemental Table 1

PROBE_ID	SYMBOL	p-value	q value	Fold Change
ILMN_2742861	Serpina3f	0.0077	0.1682	3.12
ILMN_2426853	Ubd	0.0129	0.1951	3.03
ILMN_2808485	Gbp10	0.0038	0.1375	2.57
ILMN_3142803	Cxcl10	0.0250	0.2451	2.55
ILMN_2944666	Ifit3	0.0142	0.1995	2.54
ILMN_1218547	Dlml1-pending	0.0026	0.1185	2.45
ILMN_2918002	Gbp3	0.0092	0.1781	2.42
ILMN_2445477	Wars	0.0013	0.0885	2.40
ILMN_1246201	Cacna1h	0.0007	0.0698	2.35
ILMN_2661214	Krt17	0.0092	0.1784	2.30
ILMN_1250443	LOC667597	0.0009	0.0782	2.27
ILMN_2649068	Irf1	0.0095	0.1810	2.27
ILMN_1244513	Gbp3	0.0103	0.1838	2.26
ILMN_1226800	Cd274	0.0177	0.2144	2.23
ILMN_2593554	Iatp	0.0121	0.1906	2.20
ILMN_2649067	Irf1	0.0253	0.2457	2.19
ILMN_1244169	Sftpd	0.0018	0.1002	2.16
ILMN_2632567	C4b	0.0004	0.0554	2.15
ILMN_2624100	Irf1	0.0089	0.1750	2.15
ILMN_1253919	Ccl3	0.0141	0.1995	2.13
ILMN_2754158	Tatp	0.0129	0.1951	2.12
ILMN_2655721	Stat1	0.0197	0.2223	2.07
ILMN_1250913	9930023K05Rik	0.0007	0.0705	2.05
ILMN_1234539	Iram1	0.0083	0.1725	2.04
ILMN_1247185	LOC100047316	0.0055	0.1522	2.03
ILMN_2487554	A330042121Rik	0.0049	0.1457	2.03
ILMN_1238847	Cd3e	0.0175	0.2134	1.99
ILMN_1244866	Gbp5	0.0055	0.1522	1.99
ILMN_2763245	Cxcl1	0.0064	0.1614	1.98
ILMN_2668333	Prr4	0.0212	0.2297	1.97
ILMN_1246194	LOC667370	0.0026	0.1177	1.97
ILMN_1259564	Iigp2	0.0029	0.1239	1.97
ILMN_2996973	LOC225594	0.0161	0.2067	1.95
ILMN_2803921	Ly6d	0.0268	0.2479	1.95
ILMN_2741169	Cd8b1	0.0106	0.1838	1.95
ILMN_1220577	LOC636752	0.0049	0.1457	1.94
ILMN_2458792	scf0002547.1_9	0.0106	0.1840	1.94
ILMN_1230458	Ifit3	0.0011	0.0809	1.94
ILMN_2784580	Cd3e	0.0177	0.2144	1.93
ILMN_1230143	Batf2	0.0270	0.2486	1.93
ILMN_2860645	Gbp6	0.0126	0.1930	1.92
ILMN_1257046	C1s	0.0042	0.1400	1.90
ILMN_1228653	Zbp1	0.0029	0.1242	1.90
ILMN_2534207	LOC380706	0.0234	0.2399	1.90
ILMN_2663230	Sico3a1	0.0002	0.0405	1.90
ILMN_2593196	Stat1	0.0273	0.2488	1.90
ILMN_2632563	C4b	0.0021	0.1071	1.90
ILMN_3054914	Usp18	0.0024	0.1139	1.87
ILMN_2796382	Cdsn	0.0158	0.2067	1.86
ILMN_1240864	Tyki	0.0008	0.0727	1.85
ILMN_2725927	Serpina3g	0.0160	0.2067	1.83
ILMN_2609897	Prss35	0.0006	0.0670	1.83
ILMN_3131679	Usp18	0.0006	0.0675	1.82
ILMN_3077377	Wars	0.0019	0.1026	1.82
ILMN_2673233	Pfkfb	0.0008	0.0726	1.81
ILMN_2479290	Fas	0.0021	0.1062	1.80
ILMN_2458671	Vldlr	0.0204	0.2259	1.80
ILMN_3103746	Tnfrsf9	0.0011	0.0814	1.80
ILMN_2636339	Irf9	0.0071	0.1642	1.80
ILMN_2791459	Ifng	0.0098	0.1828	1.80
ILMN_3122961	Gbp2	0.0178	0.2153	1.79
ILMN_1255860	Klrd1	0.0138	0.1982	1.78
ILMN_1213708	4732462B05Rik	0.0160	0.2067	1.78
ILMN_2686721	Tap2	0.0069	0.1637	1.78
ILMN_1224472	Ccl4	0.0263	0.2477	1.78
ILMN_2627179	Eli3	0.0007	0.0711	1.77
ILMN_1230878	H2-T10	0.0266	0.2479	1.77
ILMN_1243992	Ptfr	0.0053	0.1484	1.77
ILMN_3049559	C4b	0.0068	0.1637	1.77
ILMN_2804037	Irgm1	0.0025	0.1177	1.76
ILMN_2667269	C1s	0.0128	0.1947	1.76
ILMN_2902979	Fas	0.0151	0.2037	1.76
ILMN_3156343	Wars	0.0014	0.0928	1.76
ILMN_1217855	Nka7	0.0165	0.2080	1.75
ILMN_1228333	Prr1	0.0005	0.0648	1.74
ILMN_1228404	Sh2d2a	0.0271	0.2486	1.74
ILMN_1235735	Sico3a1	0.0076	0.1664	1.73
ILMN_2648169	Sfn	0.0227	0.2358	1.72
ILMN_3120510	Gvin1	0.0274	0.2488	1.72
ILMN_1223949	Cldn4	0.0159	0.2067	1.71
ILMN_2504544	mt-Nd5	0.0000	0.0212	1.71
ILMN_2455771	LOC100044411	0.0000	0.0212	1.70
ILMN_2599154	Oasl2	0.0121	0.1906	1.70
ILMN_2661289	Csprs	0.0019	0.1028	1.70
ILMN_2954868	Oasl2	0.0053	0.1491	1.70
ILMN_1237695	Pfkfb	0.0015	0.0935	1.69
ILMN_2599782	Irf1	0.0209	0.2286	1.69
ILMN_1230266	A830006J06Rik	0.0072	0.1648	1.69
ILMN_2659503	Cdh13	0.0006	0.0662	1.68
ILMN_2646618	Fn1	0.0004	0.0594	1.68
ILMN_2954474	Enpp2	0.0209	0.2286	1.68
ILMN_3014753	Ifi202b	0.0034	0.1338	1.68
ILMN_3060966	Als2cr4	0.0096	0.1818	1.68
ILMN_2834777	Irf1	0.0064	0.1614	1.67
ILMN_1215092	C4a	0.0229	0.2375	1.67
ILMN_2648100	LOC676974	0.0003	0.0542	1.67
ILMN_1259424	Zfp288	0.0042	0.1400	1.66
ILMN_2769261	Erc5	0.0193	0.2206	1.66
ILMN_2974611	Tapbp1	0.0068	0.1637	1.66

PROBE_ID	SYMBOL	p-value	q value	Fold Change
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ILMN_1249030	Mpo	0.0047	0.1441	-7.77
ILMN_2766604	Camp	0.0050	0.1463	-7.56
ILMN_2600421	Mpo	0.0051	0.1466	-6.47
ILMN_2770968	Fcrls	0.0000	0.0172	-6.28
ILMN_2625125	Cx3cr1	0.0000	0.0000	-5.81
ILMN_2710905	S100a8	0.0056	0.1526	-5.27
ILMN_2803674	S100a9	0.0114	0.1873	-4.98
ILMN_3161805	CCL12	0.0001	0.0325	-4.62
ILMN_2771766	LOC100048556	0.0002	0.0405	-4.62
ILMN_2631712	1810009J06Rik	0.0104	0.1838	-4.53
ILMN_1228832	Ngp	0.0092	0.1784	-4.35
ILMN_2625377	Rgs1	0.0003	0.0542	-4.35
ILMN_1255047	Nhedc2	0.0001	0.0223	-3.94
ILMN_2897891	Rgs1	0.0001	0.0382	-3.84
ILMN_1220236	Ctsq	0.0126	0.1935	-3.44
ILMN_2831436	Msr2	0.0000	0.0212	-3.38
ILMN_1221700	Ela2	0.0117	0.1882	-3.35
ILMN_2663249	Slamf9	0.0003	0.0551	-3.33
ILMN_1224754	Ckb	0.0012	0.0862	-2.99
ILMN_2925094	Mpo	0.0088	0.1750	-2.98
ILMN_2789900	Cd177	0.0162	0.2074	-2.77
ILMN_3091003	Ms4a7	0.0002	0.0405	-2.68
ILMN_2596596	Rgs1	0.0050	0.1463	-2.67
ILMN_1239430	Mrc1	0.0000	0.0032	-2.66
ILMN_2891767	Aqp12	0.0270	0.2485	-2.65
ILMN_2758029	Prtm3	0.0148	0.2030	-2.61
ILMN_2776431	C1qa	0.0006	0.0662	-2.60
ILMN_2979432	Klkb1b11	0.0258	0.2466	-2.59
ILMN_2640346	P2ry13	0.0000	0.0066	-2.58
ILMN_2914938	F13a1	0.0007	0.0711	-2.56
ILMN_1255140	Nhedc2	0.0015	0.0935	-2.55
ILMN_2715840	C1qc	0.0002	0.0458	-2.50
ILMN_2624630	Fcnb	0.0011	0.0814	-2.44
ILMN_1241695	Ms4a6d	0.0000	0.0157	-2.42
ILMN_2675223	Cd33	0.0000	0.0169	-2.41
ILMN_2619620	C1qb	0.0004	0.0554	-2.41
ILMN_2798129	C6	0.0010	0.0795	-2.39
ILMN_2959372	Clec4b1	0.0002	0.0405	-2.39
ILMN_2500157	4733401I05Rik	0.0000	0.0066	-2.37
ILMN_2735961	Tlr13	0.0000	0.0066	-2.32
ILMN_2804487	Aif1	0.0091	0.1775	-2.30
ILMN_1257444	Slc37a1	0.0016	0.0943	-2.30
ILMN_2705860	Tpsab1	0.0083	0.1730	-2.29
ILMN_1231355	E230029F23Rik	0.0044	0.1422	-2.29
ILMN_2671923	Ly86	0.0017	0.0956	-2.29
ILMN_2757966	Cxcl4	0.0000	0.0163	-2.28
ILMN_1212938	Aif1	0.0185	0.2175	-2.28
ILMN_1215466	Oscar	0.0002	0.0434	-2.27
ILMN_2756665	Cbr2	0.0088	0.1750	-2.25
ILMN_2609323	Lst1	0.0031	0.1264	-2.25
ILMN_2743013	Ncf4	0.0010	0.0809	-2.24
ILMN_1218181	Ifitm6	0.0045	0.1422	-2.23
ILMN_2775030	Folr2	0.0014	0.0919	-2.22
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ILMN_2727432	Stab1	0.0016	0.0938	-2.19
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ILMN_1249486	Mgl1	0.0067	0.1636	-2.16
ILMN_2710819	Csf1r	0.0002	0.0420	-2.16
ILMN_2871945	Trem1	0.0000	0.0169	-2.14
ILMN_2762966	Siglec1	0.0007	0.0703	-2.14
ILMN_2660555	Bcl2a1d	0.0036	0.1342	-2.12
ILMN_1216880	Emr1	0.0033	0.1309	-2.12
ILMN_1258357	Dok3	0.0008	0.0727	-2.11
ILMN_2865016	Cd83	0.0035	0.1338	-2.11
ILMN_2894211	8430408G22Rik	0.0087	0.1735	-2.10
ILMN_1256824	Gpr171	0.0015	0.0935	-2.10
ILMN_2721149	Arl11	0.0010	0.0809	-2.10
ILMN_2675669	Cd72	0.0277	0.2498	-2.10
ILMN_1222269	1810011H11Rik	0.0000	0.0187	-2.09
ILMN_2602352	Ms4a6d	0.0000	0.0212	-2.07
ILMN_1222860	381484.0000	0.0000	0.0100	-2.06
ILMN_1258979	Mcp1	0.0111	0.1850	-2.06
ILMN_2660263	Bcl2a1b	0.0034	0.1338	-2.05
ILMN_2737903	Fgd2	0.0034	0.1338	-2.04
ILMN_1248718	Cma2	0.0148	0.2030	-2.04
ILMN_1228320	Cfp	0.0069	0.1637	-2.03
ILMN_1216042	Apoe	0.0004	0.0594	-2.01
ILMN_1230485	Csf1r	0.0004	0.0551	-2.00
ILMN_3161652	Clec4a3	0.0002	0.0456	-1.99
ILMN_1242739	LOC218617	0.0023	0.1123	-1.98
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ILMN_1234223	Pld4	0.0097	0.1824	-1.93
ILMN_2646358	Klrb1b	0.0062	0.1606	-1.93
ILMN_2634235	Lrrc33	0.0029	0.1239	-1.92
ILMN_1229523	Fcgr1	0.0048	0.1447	-1.91
ILMN_2776603	Ccl9	0.0031	0.1270	-1.90
ILMN_2847787	Emr1	0.0050	0.1466	-1.90
ILMN_2685393	Ccr5	0.0062	0.1606	-1.89
ILMN_1253813	Nckap1l	0.0070	0.1637	-1.89
ILMN_2689785	Cd68	0.0182	0.2175	-1.89
ILMN_1215791	Alox5ap	0.0152	0.2041	-1.88
ILMN_3118707	Sla	0.0045	0.1422	-1.88

ILMN_2847773	OTTMUSG0000005523	0.0043	0.1407	1.66
ILMN_2513870	Zap70	0.0153	0.2048	1.65
ILMN_2763002	Eno2	0.0084	0.1730	1.65
ILMN_2433990	LOC100048346	0.0000	0.0212	1.65
ILMN_1219572	Pcnp	0.0034	0.1338	1.64
ILMN_3047389	Gbp2	0.0125	0.1929	1.63
ILMN_2460094	Wnt10a	0.0188	0.2187	1.63
ILMN_2889832	Serpina3h	0.0084	0.1730	1.63
ILMN_1216020	Oas3	0.0038	0.1375	1.63
ILMN_2924419	H2-Q7	0.0100	0.1831	1.62
ILMN_2606624	LOC100045680	0.0078	0.1693	1.62
ILMN_2429754	Zfp313	0.0001	0.0405	1.62
ILMN_1226541	5430417J04Rik	0.0136	0.1979	1.62
ILMN_2669856	9930023K05Rik	0.0250	0.2451	1.62
ILMN_1239055	Xdh	0.0093	0.1785	1.61
ILMN_1254157	Wars	0.0015	0.0935	1.61
ILMN_1212835	Ugt1a6a	0.0107	0.1840	1.61
ILMN_2646052	C4a	0.0069	0.1637	1.60
ILMN_2835683	EG667977	0.0103	0.1838	1.60
ILMN_2605819	Eqln3	0.0137	0.1982	1.60
ILMN_1226819	Tapbp	0.0137	0.1982	1.59
ILMN_2684465	2310043J07Rik	0.0016	0.0943	1.58
ILMN_2783223	LOC435565	0.0237	0.2402	1.58
ILMN_3046362	Traf5	0.0035	0.1338	1.56
ILMN_2535227	Tmem45a	0.0209	0.2286	1.56
ILMN_2619877	Ap1m2	0.0087	0.1735	1.56
ILMN_2434853	mtDNA_ND2	0.0036	0.1342	1.56
ILMN_2571934	D030034I04Rik	0.0019	0.1028	1.55
ILMN_1245716	Gphb5	0.0002	0.0405	1.55
ILMN_2727481	Palmd	0.0107	0.1840	1.55
ILMN_1245048	sc10003886.1_50	0.0046	0.1425	1.54
ILMN_3139158	Trim21	0.0015	0.0935	1.54
ILMN_2723920	Itpk1	0.0000	0.0157	1.54
ILMN_2768859	9530068E07Rik	0.0150	0.2037	1.54
ILMN_1238654	Gorasp2	0.0099	0.1830	1.54
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ILMN_2777082	P4ha2	0.0002	0.0405	1.54
ILMN_2664929	Cd8b1	0.0055	0.1522	1.53
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ILMN_1228093	Arhaap8	0.0194	0.2206	1.52
ILMN_2462709	LOC640340	0.0277	0.2496	1.52
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ILMN_1238612	Rnf114	0.0004	0.0568	1.52
ILMN_2473811	9626958_317	0.0013	0.0893	1.52
ILMN_1230923	Vldlr	0.0077	0.1677	1.51
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ILMN_2538436	LOC386270	0.0080	0.1710	1.51
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ILMN_2616556	Cttnnb1	0.0113	0.1867	1.51
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ILMN_2501489	Was	0.0043	0.1400	-1.88
ILMN_1220101	Ebi2	0.0063	0.1612	-1.87
ILMN_1230587	Lpxn	0.0134	0.1979	-1.87
ILMN_1230708	Clec4a1	0.0001	0.0405	-1.86
ILMN_1219946	Il10ra	0.0079	0.1702	-1.85
ILMN_2829457	Ncf1	0.0008	0.0764	-1.85
ILMN_2992709	Trem2	0.0068	0.1637	-1.85
ILMN_2609590	Cpa3	0.0080	0.1705	-1.85
ILMN_1240615	Olfm1	0.0004	0.0554	-1.84
ILMN_1248139	Gp49a	0.0152	0.2037	-1.84
ILMN_3154691	Sirpb1	0.0017	0.0958	-1.84
ILMN_1242474	Rab3il1	0.0034	0.1338	-1.83
ILMN_1217041	Cd86	0.0256	0.2465	-1.83
ILMN_1251669	Evi2a	0.0056	0.1526	-1.83
ILMN_1231284	LOC100047132	0.0198	0.2231	-1.82
ILMN_2718589	Fcna	0.0006	0.0675	-1.82
ILMN_1251390	Tbxas1	0.0043	0.1400	-1.81
ILMN_1246056	Gngt2	0.0057	0.1545	-1.81
ILMN_2959191	Inpp5d	0.0015	0.0935	-1.81
ILMN_2765759	Asb2	0.0006	0.0667	-1.80
ILMN_2649392	Fermt3	0.0094	0.1806	-1.80
ILMN_2700848	Arrb2	0.0000	0.0157	-1.80
ILMN_3160107	Plk3r6	0.0006	0.0662	-1.80
ILMN_1228213	Ifi30	0.0040	0.1400	-1.80
ILMN_1235139	Sfp1	0.0003	0.0510	-1.79
ILMN_1252370	Wdr92	0.0254	0.2460	-1.79
ILMN_2635801	2310079N02Rik	0.0000	0.0060	-1.78
ILMN_1227907	Gmfg	0.0168	0.2098	-1.77
ILMN_2416628	Cyth4	0.0025	0.1177	-1.77
ILMN_2699531	Rgs10	0.0006	0.0662	-1.76
ILMN_2936165	Bcl2a1c	0.0131	0.1963	-1.76
ILMN_1235934	Btk	0.0200	0.2238	-1.73
ILMN_1249688	Tnfrsf8	0.0016	0.0943	-1.73
ILMN_1257855	Stard8	0.0012	0.0842	-1.73
ILMN_3160218	Amica1	0.0099	0.1830	-1.73
ILMN_1253544	2900060B14Rik	0.0198	0.2231	-1.72
ILMN_2663130	P2ry6	0.0008	0.0727	-1.72
ILMN_1235399	Mcpst8	0.0107	0.1840	-1.71
ILMN_1230099	Defcr20	0.0037	0.1374	-1.71
ILMN_2534201	A430084P05Rik	0.0149	0.2033	-1.71
ILMN_1230287	4732429D16Rik	0.0123	0.1917	-1.70
ILMN_2641678	Bdh2	0.0023	0.1127	-1.70
ILMN_1231204	LOC270152	0.0080	0.1705	-1.70
ILMN_2692696	Pla2g7	0.0004	0.0594	-1.69
ILMN_2789948	Arhgdib	0.0180	0.2163	-1.69
ILMN_2878979	Tnfrsf8	0.0052	0.1481	-1.69
ILMN_2727663	Tgfb1	0.0045	0.1422	-1.69
ILMN_2956092	Rassf4	0.0087	0.1735	-1.68
ILMN_2638509	LOC639715	0.0157	0.2067	-1.68
ILMN_2604521	Cotl1	0.0000	0.0169	-1.68
ILMN_3152792	Pira11	0.0003	0.0488	-1.67
ILMN_3102376	Fcgr2b	0.0272	0.2486	-1.67
ILMN_1225406	Ccl24	0.0165	0.2082	-1.67
ILMN_1243329	Dab2	0.0004	0.0603	-1.67
ILMN_2593787	Kcnk13	0.0006	0.0675	-1.67
ILMN_1217629	Itgae	0.0012	0.0870	-1.67
ILMN_2767605	Lmo2	0.0101	0.1831	-1.66
ILMN_2601946	5033414K04Rik	0.0183	0.2175	-1.65
ILMN_1222471	Gmfg	0.0217	0.2316	-1.65
ILMN_1220609	Ltb4r1	0.0218	0.2319	-1.64
ILMN_2685392	Ccr5	0.0199	0.2232	-1.64
ILMN_2962737	Aoah	0.0202	0.2248	-1.64
ILMN_2769191	Tbxas1	0.0234	0.2399	-1.64
ILMN_1225085	Prkcb	0.0179	0.2157	-1.64
ILMN_1250704	Rcsd1	0.0021	0.1062	-1.64
ILMN_2998807	Stard8	0.0186	0.2175	-1.64
ILMN_2619707	Sico2b1	0.0029	0.1239	-1.63
ILMN_3008859	Ctsc	0.0022	0.1106	-1.63
ILMN_1248347	Nfam1	0.0059	0.1577	-1.63
ILMN_1242391	Tmem8	0.0244	0.2428	-1.63
ILMN_1258571	Sp6	0.0184	0.2175	-1.62
ILMN_2948552	Xcl1	0.0225	0.2350	-1.62
ILMN_2664202	Rarres1	0.0121	0.1906	-1.62
ILMN_2856926	Gpr114	0.0208	0.2286	-1.61
ILMN_1220996	Ptpn6	0.0243	0.2426	-1.61
ILMN_2918977	41334.0000	0.0115	0.1873	-1.60
ILMN_3091641	Dab2	0.0011	0.0839	-1.60
ILMN_2954575	Arhaap30	0.0011	0.0809	-1.59
ILMN_2473066	LOC100047419	0.0037	0.1368	-1.59
ILMN_2600678	Rac2	0.0233	0.2394	-1.59
ILMN_2658687	Ltc4s	0.0075	0.1664	-1.59
ILMN_3149776	B3qnt8	0.0104	0.1838	-1.59
ILMN_1258242	2310031L18Rik	0.0055	0.1522	-1.58
ILMN_3154419	P2ry14	0.0027	0.1192	-1.58
ILMN_2920849	Pira4	0.0059	0.1562	-1.58
ILMN_2699898	Itgae	0.0002	0.0405	-1.58
ILMN_2919411	Osm	0.0042	0.1400	-1.57
ILMN_2709337	Sp6	0.0159	0.2067	-1.57
ILMN_2614889	B3qnt8	0.0010	0.0809	-1.57
ILMN_2630459	Cxcr4	0.0183	0.2175	-1.57
ILMN_2960108	Cyp27a1	0.0001	0.0242	-1.57
ILMN_1239963	Snx20	0.0196	0.2217	-1.56
ILMN_1224077	Vav1	0.0236	0.2399	-1.56
ILMN_2889020	Ltf	0.0264	0.2478	-1.55
ILMN_1241350	Vsig4	0.0061	0.1605	-1.55
ILMN_2737685	Mmp13	0.0121	0.1906	-1.54
ILMN_2714638	Mertk	0.0016	0.0943	-1.54
ILMN_2589640	Ednrb	0.0101	0.1831	-1.54
ILMN_1213274	Ydjc	0.0023	0.1123	-1.54
ILMN_1245816	Raet1b	0.0021	0.1062	-1.53
ILMN_1257631	Apobec1	0.0007	0.0703	-1.53
ILMN_2697304	Eln	0.0165	0.2082	-1.53
ILMN_2693991	Gpr65	0.0002	0.0405	-1.53
ILMN_2696017	Itgam	0.0014	0.0928	-1.53
ILMN_2774332	Msx3	0.0032	0.1293	-1.53
ILMN_1219516	TRGV6_D29793_T_cell_re	0.0055	0.1522	-1.52

Table S1. Gene lists from array analysis are depicted. Lists were selected by fold change $>$ or $<$ 1.5, p-value <0.05 , and q-value <0.25 . n=6 mice/group for a total of 12 arrays.

Additional Supplemental Methods

Fluorescence-Activated Cell Sorting (FACS). Cell suspension and antibody staining were prepared as described above. Sorting was performed using the FACS Aria-II cell sorter (BD Biosciences) at the FACS Core of Washington University Department of Pathology and Immunology. For gene expression analysis, cells were directly sorted into the TRK lysis buffer (Omega). For all sorting experiments, post-sort analyses were performed to ensure >90% purity.

Gene Signature Survival Analysis. The full gene lists were matched for human-mouse ortholog by the provided gene symbols for human genome annotation (gene symbol and entrez ID); some genes are missing the annotation. The genes with human genome annotation were matched in the public datasets and their expression was matched with clinical outcomes. We used GSE1501 for survival analysis (21). For each individual gene, the Kaplan-Meier (KM) survival curves on the binary gene expression (dichotomized by median as low/high) were generated with log-rank test p-values while Cox proportional hazard model was fitted on the continuous gene expression to estimate the hazard ratio with a Wald test P-value. Top prognostic individual genes included ZBP1, OAS3, PTPN6, SFPI1, IRF9, CDH13, SIGLEC1, STAT1, SLC11A1, SH2D2A etc. The up-regulated genes and the down-regulated genes were each centered by mean and scaled by standard deviation. The averaged expression of down-regulated genes (all available genes or the significant genes only from the previous individual gene analysis based on either log-rank test or Wald test $p < 0.05$) were separately calculated. Each sample was categorized into low/high expression by the median of the averaged gene expression. The resulting group classification was associated with overall survival (OS) by KM analysis and log-rank test.

1. Stratford, J.K., *et al.* A six-gene signature predicts survival of patients with localized pancreatic ductal adenocarcinoma. *PLoS Med* 7, e1000307 (2010).