

**Supplemental table 1. Top 30 DEGs in the four DC clusters, identified by
scRNA-seq of CD45+ immune cells in KPC1 shNC/shATG7 syngeneic
PDAC tumors**

<i>gene</i>	p_val	avg_logFC	pct.1	pct.2	p_val_adj	cluster
<i>Ifitm1</i>	6.40E-34	2.025566	0.646	0.122	8.82E-30	DC2
<i>Ifitm3</i>	1.07E-33	1.523751	0.738	0.223	1.48E-29	DC2
<i>S100a6</i>	5.31E-32	1.439727	0.8	0.328	7.32E-28	DC2
<i>Fcer1g</i>	1.38E-26	1.377945	0.65	0.206	1.91E-22	DC2
<i>Wfdc17</i>	1.42E-26	1.523378	0.55	0.097	1.95E-22	DC2
<i>Tyrobp</i>	1.43E-22	0.883029	0.829	0.466	1.98E-18	DC2
<i>Napsa</i>	2.04E-21	1.020778	0.733	0.345	2.81E-17	DC2
<i>Fth1</i>	6.92E-20	0.65868	0.95	0.819	9.54E-16	DC2
<i>Mdh2</i>	6.34E-19	1.139456	0.583	0.235	8.74E-15	DC2
<i>Mt1</i>	3.48E-18	1.234359	0.554	0.189	4.80E-14	DC2
<i>Mgl2</i>	9.78E-18	1.117966	0.396	0.067	1.35E-13	DC2
<i>Il1r2</i>	8.56E-17	1.325994	0.333	0.038	1.18E-12	DC2
<i>Clec4n</i>	1.01E-16	0.991665	0.304	0.021	1.40E-12	DC2
<i>Cfp</i>	1.67E-16	1.084971	0.454	0.122	2.30E-12	DC2
<i>Ifitm6</i>	3.40E-16	1.136247	0.312	0.034	4.68E-12	DC2
<i>Ms4a6c</i>	1.73E-15	0.938043	0.358	0.059	2.39E-11	DC2
<i>S100a10</i>	2.19E-15	1.059879	0.425	0.109	3.02E-11	DC2
<i>Ffar2</i>	8.09E-15	1.015787	0.275	0.021	1.12E-10	DC2
<i>Lilrb4a</i>	1.12E-14	1.106401	0.383	0.084	1.55E-10	DC2
<i>Cdh1</i>	2.52E-14	0.949579	0.279	0.025	3.48E-10	DC2
<i>Ctsc</i>	3.28E-14	1.053782	0.425	0.134	4.53E-10	DC2
<i>B4galt6</i>	4.24E-14	0.873468	0.292	0.034	5.86E-10	DC2
<i>Plac8</i>	1.06E-13	0.669849	0.612	0.252	1.46E-09	DC2
<i>Ccl6</i>	1.12E-13	1.056609	0.267	0.025	1.54E-09	DC2
<i>Il1b</i>	1.18E-13	1.231296	0.442	0.134	1.63E-09	DC2
<i>Rpl38</i>	7.76E-13	0.296779	0.996	0.954	1.07E-08	DC2
<i>Ifitm2</i>	7.90E-13	0.923814	0.446	0.164	1.09E-08	DC2
<i>Cybb</i>	1.71E-12	0.739776	0.342	0.071	2.36E-08	DC2
<i>Tgm2</i>	6.82E-12	0.929439	0.271	0.042	9.41E-08	DC2
<i>Cebpb</i>	1.36E-11	0.86926	0.292	0.059	1.88E-07	DC2
<i>Psap</i>	5.30E-44	1.378887	0.979	0.799	7.31E-40	DC1
<i>Xcr1</i>	1.59E-42	1.890379	0.5	0.006	2.20E-38	DC1
<i>Irf8</i>	2.12E-41	1.59969	0.799	0.201	2.93E-37	DC1
<i>Ppt1</i>	1.12E-39	2.0182	0.639	0.099	1.55E-35	DC1

<i>Naaa</i>	1.93E-34	1.562631	0.806	0.332	2.67E-30	DC1
<i>Cst3</i>	9.87E-34	0.840172	0.993	0.94	1.36E-29	DC1
<i>Dnase1l3</i>	2.41E-31	1.77647	0.549	0.084	3.32E-27	DC1
<i>Clec9a</i>	3.26E-28	1.373973	0.368	0.012	4.50E-24	DC1
<i>Mpeg1</i>	4.55E-28	1.463679	0.708	0.254	6.28E-24	DC1
<i>Rab7b</i>	1.54E-25	1.156027	0.319	0.006	2.12E-21	DC1
<i>E330020</i> <i>D12Rik</i>	1.23E-23	1.387364	0.306	0.009	1.70E-19	DC1
<i>Tmsb10</i>	1.14E-20	0.608614	1	0.943	1.57E-16	DC1
<i>Tlr3</i>	1.38E-20	1.159415	0.312	0.024	1.90E-16	DC1
<i>Ckb</i>	2.13E-18	1.044157	0.646	0.269	2.93E-14	DC1
<i>Plbd1</i>	6.98E-18	1.003429	0.694	0.359	9.63E-14	DC1
<i>Cadm1</i>	8.89E-18	1.224362	0.285	0.027	1.23E-13	DC1
<i>Asb2</i>	3.70E-16	1.026457	0.458	0.132	5.11E-12	DC1
<i>Cd36</i>	5.17E-15	1.063892	0.285	0.042	7.14E-11	DC1
<i>Txn1</i>	1.27E-14	0.868535	0.736	0.419	1.76E-10	DC1
<i>Itgae</i>	1.48E-14	0.930452	0.562	0.246	2.04E-10	DC1
<i>Cd52</i>	3.63E-14	0.784629	0.84	0.716	5.01E-10	DC1
<i>Tnni2</i>	1.18E-13	0.857968	0.479	0.159	1.63E-09	DC1
<i>Ucp2</i>	3.24E-13	0.909542	0.694	0.437	4.47E-09	DC1
<i>Actb</i>	3.84E-13	0.307754	1	1	5.29E-09	DC1
<i>Wdfy4</i>	5.84E-13	0.943124	0.569	0.284	8.05E-09	DC1
<i>Gm2a</i>	2.14E-12	0.688297	0.847	0.593	2.95E-08	DC1
<i>Slc8b1</i>	4.14E-12	0.879796	0.264	0.048	5.72E-08	DC1
<i>Atpif1</i>	3.57E-11	0.780189	0.736	0.566	4.93E-07	DC1
<i>Btla</i>	1.14E-10	0.958639	0.285	0.072	1.57E-06	DC1
<i>Ifi205</i>	1.58E-10	0.995528	0.424	0.174	2.18E-06	DC1
<i>Fscn1</i>	1.54E-80	3.228989	0.803	0.002	2.13E-76	migDC
<i>Ccr7</i>	6.47E-78	3.371022	0.895	0.032	8.92E-74	migDC
<i>Ccl5</i>	2.55E-60	3.318143	0.763	0.037	3.52E-56	migDC
<i>Cacnb3</i>	5.44E-53	2.220245	0.566	0.005	7.50E-49	migDC
<i>Tmem123</i>	1.77E-50	2.362286	0.842	0.117	2.44E-46	migDC
<i>Samsn1</i>	2.24E-50	2.493645	0.816	0.109	3.09E-46	migDC
<i>Ccl22</i>	9.41E-47	2.749276	0.645	0.04	1.30E-42	migDC
<i>Il4i1</i>	9.35E-46	1.63723	0.539	0.012	1.29E-41	migDC
<i>Marcks1l</i>	6.43E-45	2.021785	0.632	0.04	8.86E-41	migDC
<i>Adcy6</i>	1.62E-42	1.439508	0.434	0	2.24E-38	migDC
<i>Cd63</i>	7.21E-42	1.921896	0.592	0.037	9.94E-38	migDC

<i>Anxa3</i>	9.51E-40	1.776685	0.474	0.012	1.31E-35	migDC
<i>Arl5c</i>	1.55E-39	1.538245	0.447	0.007	2.14E-35	migDC
<i>Stat4</i>	7.22E-37	1.601587	0.539	0.037	9.95E-33	migDC
<i>Tbc1d4</i>	1.36E-36	2.236673	0.75	0.144	1.87E-32	migDC
<i>Glipr2</i>	3.47E-35	1.901824	0.526	0.04	4.79E-31	migDC
<i>Mmp25</i>	5.10E-35	1.537628	0.487	0.027	7.04E-31	migDC
<i>Ramp3</i>	5.56E-35	1.795166	0.487	0.027	7.67E-31	migDC
<i>Traf1</i>	5.37E-31	1.620994	0.671	0.117	7.41E-27	migDC
<i>Socs2</i>	1.36E-30	1.612708	0.487	0.04	1.87E-26	migDC
<i>Cd83</i>	2.45E-30	1.706367	0.711	0.139	3.38E-26	migDC
<i>Gadd45b</i>	3.32E-30	1.697739	0.645	0.109	4.59E-26	migDC
<i>AW112010</i>	2.47E-29	2.052108	0.776	0.244	3.41E-25	migDC
<i>Fabp5</i>	2.79E-29	2.181211	0.566	0.08	3.85E-25	migDC
<i>Relb</i>	6.53E-28	1.518147	0.513	0.062	9.00E-24	migDC
<i>Gyg</i>	3.83E-27	1.773335	0.539	0.077	5.29E-23	migDC
<i>Gm13546</i>	5.17E-27	1.050551	0.276	0	7.13E-23	migDC
<i>Sema7a</i>	8.23E-27	1.392704	0.526	0.07	1.14E-22	migDC
<i>Mreg</i>	8.55E-27	1.199488	0.289	0.002	1.18E-22	migDC
<i>Serpinb9</i>	1.81E-26	1.563937	0.553	0.082	2.50E-22	migDC
<i>Siglech</i>	4.53E-91	3.587519	1	0.007	6.25E-87	pDC
<i>Cox6a2</i>	3.37E-70	3.361885	0.667	0	4.65E-66	pDC
<i>Ccr9</i>	4.51E-70	2.980039	0.833	0.009	6.22E-66	pDC
<i>Iglc3</i>	1.46E-67	2.602298	0.778	0.007	2.02E-63	pDC
<i>Ly6d</i>	1.36E-54	2.08324	0.611	0.004	1.88E-50	pDC
<i>Mctp2</i>	6.29E-53	1.51678	0.556	0.002	8.68E-49	pDC
<i>Gm21762</i>	8.92E-53	1.728122	0.5	0	1.23E-48	pDC
<i>Atp1b1</i>	2.14E-48	1.841558	0.556	0.004	2.95E-44	pDC
<i>Ly6c2</i>	2.04E-47	2.667148	0.611	0.009	2.81E-43	pDC
<i>Sell</i>	1.10E-33	2.081906	0.611	0.022	1.52E-29	pDC
<i>Tcf4</i>	2.16E-32	2.765599	1	0.104	2.98E-28	pDC
<i>Lrp8</i>	2.19E-32	1.636059	0.556	0.017	3.03E-28	pDC
<i>Sla2</i>	3.46E-32	1.450471	0.389	0.004	4.78E-28	pDC
<i>Slco4a1</i>	4.13E-32	1.560171	0.389	0.004	5.69E-28	pDC
<i>Blnk</i>	1.62E-30	1.410393	0.333	0.002	2.23E-26	pDC
<i>Sh3bgr</i>	7.72E-30	1.514151	0.278	0	1.07E-25	pDC
<i>Spib</i>	7.49E-29	1.519937	0.444	0.011	1.03E-24	pDC
<i>Fcrla</i>	7.05E-27	1.848565	0.444	0.013	9.72E-23	pDC

<i>Prkca</i>	3.77E-26	1.664956	0.389	0.009	5.20E-22	pDC
<i>Ctsl</i>	5.37E-24	2.292977	0.722	0.063	7.40E-20	pDC
<i>Rasgrp2</i>	7.93E-24	1.279323	0.389	0.011	1.09E-19	pDC
<i>Adam11</i>	1.90E-23	1.660481	0.444	0.017	2.62E-19	pDC
<i>Tex2</i>	1.16E-19	1.451753	0.444	0.024	1.60E-15	pDC
<i>Epha2</i>	2.05E-19	1.737995	0.333	0.011	2.82E-15	pDC
<i>Ripor2</i>	2.46E-19	1.15637	0.333	0.011	3.39E-15	pDC
<i>Upb1</i>	1.48E-18	0.978375	0.278	0.007	2.04E-14	pDC
<i>Runx2</i>	9.47E-18	1.602228	0.5	0.039	1.31E-13	pDC
<i>Csf2rb2</i>	1.44E-17	2.025797	0.722	0.1	1.99E-13	pDC
<i>Bst2</i>	1.77E-17	2.068801	0.944	0.228	2.45E-13	pDC
<i>Lair1</i>	1.06E-16	1.793576	0.611	0.07	1.47E-12	pDC