

Supplemental Table 2: *Itk*^{-/-} V6 thymocytes are similar to early stage NKT cells.

List of the 51 genes identified in Figure 5C that were decreased in *Itk*^{-/-} V6 thymocytes versus WT CD24^{lo} V6 cells and increased in NKT.44⁺NK1.1⁺ cells versus MatCD4 and MatCD8 single positive thymocytes. Nomenclature is according to immgen.org: MatV6.WT= CD24(HSA)^{lo} V6 $\gamma\delta$ T cells from adult WT thymus; TotalV6.*Itk*^{-/-}, total V6 $\gamma\delta$ T cells from adult *Itk*^{-/-} thymus, which are 95-98% CD24^{lo}; NKT.44⁺NK1.1⁺, CD44⁺NK1.1⁺ thymic iNKT cells; NKT.44⁻NK1.1⁻, CD44⁻NK1.1⁻ thymic iNKT cells; MatCD4, CD24^{lo} CD4⁺ δ ⁻ thymocytes; MatCD8, CD24^{lo} CD4⁻ δ ⁺ thymocytes. For each gene, the MEV in each population is shown, along with the fold change (FC, ratio of MEVs) and *t*-test P-values for select populations. Fractional FC values indicative of decreased expression were converted to whole numbers (-1/FC). Table was sorted by the FC in NKT.44⁺NK1.1⁺ vs. NKT.44⁻NK1.1⁻ in descending order. Increased FCs are in red, and decreased FC are in blue. Only those FC that had an accompanying *t*-test P-value<0.05 were color coded.

Name	NKT.44 ⁺ NK1.1 ⁻	NKT.44 ⁻ NK1.1 ⁻	Total V6. <i>Itk</i> ^{-/-}	MatCD4	ImmV6.WT	NKT.44 ⁺ NK1.1 ⁺	MatV6.WT	FC NKT.44 ⁺ NK1.1 ⁺ / NKT.44 ⁻ NK1.1 ⁻	FC MatV6.WT/ Total V6. <i>Itk</i> ^{-/-}
<i>Gzmb</i>	263.52	59.63	55.90	35.89	53.79	3690.25	633.86	62.50	-11.34
<i>Klra9</i>	183.62	36.80	116.40	14.88	20.31	2048.93	427.69	55.56	-3.67
<i>Klra10</i>	186.67	29.15	124.98	11.28	19.54	1327.23	433.45	45.45	-3.47
<i>Klra5</i>	101.50	44.49	11.54	9.61	12.89	1711.04	606.58	38.46	-52.56
<i>Styk1</i>	111.64	45.74	61.21	45.24	47.87	1697.79	274.89	37.04	-4.49
<i>Klrc1</i>	130.69	44.84	28.56	20.23	31.17	1424.19	575.27	32.26	-20.14
<i>Itga1</i>	51.89	25.94	27.91	24.79	21.61	591.77	191.72	22.73	-6.87
<i>Klra6</i>	90.35	34.96	25.40	16.39	23.13	619.46	252.79	17.86	-9.95
<i>Xcl1</i>	176.18	77.30	77.05	55.18	166.14	1303.42	406.83	16.95	-5.28
<i>Fasl</i>	184.63	66.38	63.37	55.58	46.53	1008.42	178.06	15.15	-4.93
<i>Slamf7</i>	192.86	87.09	72.42	37.99	84.65	1309.85	356.80	15.15	-2.81
<i>Klrc2</i>	87.01	70.41	31.90	20.25	29.30	949.16	314.20	13.51	-9.85
<i>Klrd1</i>	217.81	78.10	82.92	22.27	56.34	961.66	631.61	12.35	-7.62
<i>Myo1f</i>	563.94	161.47	143.31	78.90	276.54	1852.20	713.09	11.49	-4.98
<i>Klrk1</i>	121.80	87.51	66.83	19.13	23.52	966.89	457.32	10.99	-6.84
<i>Fcer1g</i>	101.12	105.67	76.45	38.62	357.52	1035.02	757.52	9.80	-9.91
<i>Ccl5</i>	169.33	98.25	91.14	98.04	154.38	930.92	726.60	9.43	-7.97
<i>Dennd4a</i>	239.29	160.97	97.54	115.89	150.21	1431.71	311.74	8.93	-3.20
<i>Il10ra</i>	62.11	52.75	48.55	141.87	363.33	446.93	130.51	8.47	-2.69
<i>Klrb1f</i>	130.38	41.67	62.47	29.22	46.70	292.94	421.95	7.04	-6.75
<i>Ly6c2</i>	782.17	260.58	435.77	234.46	172.49	1711.63	1082.55	6.58	-2.48
<i>Samd3</i>	277.45	99.95	110.31	32.64	34.21	640.24	269.60	6.41	-2.44
<i>Crim1</i>	268.01	195.00	183.74	457.31	276.51	1229.05	411.38	6.29	-2.24
<i>Ifngr1</i>	711.05	482.87	343.46	813.36	909.23	2998.52	757.30	6.21	-2.20
<i>Klrb1b</i>	115.96	42.22	43.26	30.15	30.45	253.19	170.35	5.99	-3.94
<i>Cd244</i>	53.62	56.66	38.81	44.51	82.91	336.02	262.96	5.92	-6.78
<i>Sulf2</i>	69.77	75.00	51.77	52.67	70.43	432.60	229.41	5.78	-4.43
<i>Il18rap</i>	786.26	241.39	164.24	47.52	54.57	1357.44	617.53	5.62	-3.76
<i>Tbx21</i>	575.14	335.66	197.80	69.89	99.37	1877.19	494.19	5.59	-2.50
<i>Arl4d</i>	220.58	133.31	94.09	62.78	62.30	691.39	274.38	5.18	-2.92
<i>Cd7</i>	1280.02	774.48	477.23	783.08	817.55	3825.89	1718.07	4.95	-3.60
<i>Serpina3f</i>	52.08	40.76	37.75	32.14	41.72	175.78	129.97	4.31	-3.44

<i>Il2rb</i>	1723.56	1284.87	727.38	684.43	2299.61	4968.56	2382.43	3.86	-3.28
<i>A430084P05Rik</i>	71.78	51.08	45.95	35.62	63.50	167.25	168.29	3.28	-3.66
<i>Ahr</i>	328.16	182.64	103.61	104.19	923.03	592.53	332.79	3.25	-3.21
<i>Lpar6</i>	1060.02	553.08	427.59	740.23	887.38	1786.63	1178.25	3.23	-2.76
<i>H2-Q6</i>	740.39	885.13	655.29	427.18	376.41	2510.40	1405.72	2.83	-2.15
<i>Lyn</i>	93.49	86.44	79.74	43.15	238.16	228.27	223.84	2.64	-2.81
<i>Spry2</i>	313.62	296.88	381.82	57.65	572.98	775.98	845.57	2.61	-2.21
<i>Trf</i>	260.06	220.26	218.57	68.80	215.24	562.94	510.17	2.56	-2.33
<i>Srgap3</i>	108.10	75.43	56.99	45.39	128.21	188.20	144.14	2.49	-2.53
<i>Cysltr2</i>	145.21	67.45	58.38	16.35	82.75	163.27	138.97	2.42	-2.38
<i>Tnfsf10</i>	221.19	210.02	258.72	126.64	384.06	442.01	519.72	2.11	-2.01
<i>Arap3</i>	176.37	187.67	189.63	88.27	190.49	383.85	439.53	2.04	-2.32
<i>Lat2</i>	64.84	65.44	61.24	48.83	237.97	125.49	187.27	1.92	-3.06
<i>Cpne7</i>	101.71	76.28	95.91	68.70	65.72	140.51	285.40	1.84	-2.98
<i>F2r</i>	959.80	550.47	429.83	150.66	214.43	908.59	1152.13	1.65	-2.68
<i>Ehd4</i>	204.87	147.56	126.90	77.87	282.90	221.90	266.80	1.50	-2.10
<i>Maf</i>	520.84	421.32	375.64	134.46	174.88	469.98	795.65	1.12	-2.12
<i>Tirap</i>	182.08	147.07	193.28	50.91	67.98	124.10	402.75	-1.19	-2.08
<i>Blk</i>	635.73	504.69	129.00	65.88	297.87	163.01	981.73	-3.13	-7.61