

		Z-score ILC2 genes	KO	WT	Z-score	Abs Z-score
Total	98	Il5	1049.95	4145.67	-42.95	42.95
In our set	89	Il13	681.399	2819.47	-36.14	36.14
Up in KO	25	Tph1	117.257	404.54	-12.58	12.58
Down in KO	64	Rnf128	269.784	591.45	-10.96	10.96
		Hs3st1	8.31657	128.56	-10.28	10.28
Not in our set		Il1r1	277.344	536.14	-9.07	9.07
0610010O12Rik		Calca	44.9876	164.71	-8.27	8.27
5730469M10Rik		Alox5	32.0953	135.79	-8.00	8.00
A630001O12Rik		Areg	65.2853	181.10	-7.38	7.38
Depdc6		Lgmn	69.4908	183.60	-7.17	7.17
Fam55d		Gata3	133.691	260.65	-6.39	6.39
Gcfc1		Spcs3	114.473	232.05	-6.32	6.32
Lrrc52		Pcsk1	74.3474	173.36	-6.29	6.29
Mc5r		Nmur1	76.9924	176.51	-6.25	6.25
Rad51l1		Spry1	43.6303	106.14	-5.11	5.11
		Stab2	56.1465	13.72	5.08	5.08
		Slc7a8	34.4751	82.81	-4.46	4.46
		Il4	29.072	66.51	-3.83	3.83
		Dgat2	3.08127	17.19	-3.13	3.13
		Ccr8	5.75505	21.77	-3.05	3.05
		Map4k3	11.3076	31.04	-3.03	3.03
		Rab27b	6.15668	21.40	-2.90	2.90
		Dhx40	15.8882	35.43	-2.73	2.73
		Gilb1	45.7699	75.09	-2.67	2.67
		Tgm2	12.8627	2.82	2.54	2.54
		Kcnn4	21.0515	40.91	-2.52	2.52
		Ptpn9	99.13	137.79	-2.51	2.51
		D330045A20Rik	18.2901	36.70	-2.48	2.48
		Mras	20.59	37.46	-2.21	2.21
		Pdcd1	10.0112	2.28	2.21	2.21
		Bmp7	14.29	26.55	-1.92	1.92
		Cxcl2	0.1307	3.98	-1.90	1.90
		Pde7b	24.935	40.23	-1.90	1.90
		Ar	0.96758	5.95	-1.89	1.89
		Ptgir	13.7983	24.97	-1.79	1.79
		Ccr4	0.60947	4.64	-1.76	1.76
		4930412O13Rik	4.45081	11.14	-1.69	1.69
		Klf5	1.14881	5.25	-1.62	1.62
		Tanc2	2.11268	6.87	-1.59	1.59
		Il9r	39.2282	54.52	-1.58	1.58
		St6galnac5	4.77969	11.04	-1.57	1.57
		Rab4a	15.6888	25.51	-1.53	1.53
		Fbxl21	7.20355	14.03	-1.48	1.48
		Stxbp6	7.08567	3.09	1.25	1.25
		Hlf	51.7975	40.20	1.21	1.21
		Neb	5.87247	2.41	1.20	1.20
		Tspan13	61.537	49.07	1.19	1.19
		Acbd7	2.91037	6.44	-1.15	1.15
		H2-Oa	5.39751	2.30	1.12	1.12
		Ube2e2	1.69983	4.45	-1.11	1.11
		Acer2	1.30249	3.80	-1.11	1.11
		Bambi	0.53362	2.26	-1.03	1.03
		4932438H23Rik	1.83417	4.29	-0.99	0.99
		Bmp2	6.43047	3.46	0.95	0.95
		Npnt	1.19614	3.11	-0.92	0.92
		Hes1	0.87798	2.55	-0.90	0.90
		Ebi3	5.25825	2.94	0.81	0.81
		Ccl1	3.92415	2.22	0.69	0.69
		Ptpn13	33.5929	39.07	-0.64	0.64
		Art2a-ps	0.40958	0.00	0.64	0.64
		Cyp2d22	0.53733	0.09	0.56	0.56
		Specc1	7.56495	9.85	-0.55	0.55
		Lpcat2	4.85313	3.29	0.55	0.55
		Rxrg	1.19591	2.17	-0.53	0.53
		Apbb2	0.60861	1.31	-0.51	0.51
		Ppp2r3a	2.98993	2.11	0.39	0.39
		Ipkm	7.90452	6.51	0.37	0.37
		3110043O21Rik	1.10655	0.65	0.35	0.35
		Chdh	2.62368	1.89	0.34	0.34
		Plaur	0.25349	0.06	0.34	0.34
		Csf2	22.13	24.44	-0.34	0.34
		Serpine1	0.25762	0.54	-0.32	0.32
		Med12l	1.8138	2.42	-0.29	0.29
		Cybb	0.0298	0.13	-0.25	0.25
		Zc3h12c	1.25786	1.62	-0.21	0.21
		Il6	39.0011	40.75	-0.20	0.20
		Cacna1d	0.18348	0.32	-0.19	0.19
		Plk2	0.73276	0.52	0.19	0.19
		Dusp10	2.00946	1.68	0.17	0.17
		Fam71f2	0.24073	0.15	0.15	0.15
		Eepd1	2.22413	1.93	0.14	0.14
		Nckap5	0.0199	0.00	0.14	0.14
		Cyp51	15.4947	16.25	-0.13	0.13
		Pparg	12.6823	12.13	0.11	0.11
		Il17rb	18.578	19.11	-0.09	0.09
		Car13	2.15495	2.32	-0.08	0.08
		Pard3	0.13395	0.15	-0.04	0.04
		Bzw2	43.1609	43.43	-0.03	0.03
		Grin2d	0.79123	0.83	-0.03	0.03

		Z-score ILC3 genes	KO	WT	Z-score	Abs Z-score
Total	75	Thy1	145.87	10.78	10.79	10.79
In our set	70	Upp1	191.36	44.21	9.59	9.59
Up in KO	59	Sepp1	112.50	12.49	8.95	8.95
Down in KO	11	Pram1	64.22	0.72	7.88	7.88
		Rorc	61.20	0.20	7.78	7.78
Not in our set		B3galt2	18.15	71.45	-5.63	5.63
2010002N04Rik		Gda	22.97	0.05	4.78	4.78
5430411C19Rik		Cxcr5	19.97	0.03	4.46	4.46
Glt25d2		Igfbp7	19.71	0.23	4.36	4.36
Nmbr		Scpep1	26.48	3.82	4.12	4.12
Rgnef		Tnf	15.42	0.53	3.73	3.73
		Il22	20.18	2.54	3.70	3.70
		Il23r	13.63	0.00	3.69	3.69
		Ly86	13.77	0.09	3.68	3.68
		Hs6st2	6.99	25.70	-3.27	3.27
		Nr1d1	15.18	2.52	3.01	3.01
		Il17re	8.09	0.00	2.84	2.84
		Serinc2	7.84	0.00	2.80	2.80
		Nrgn	7.83	0.07	2.76	2.76
		Chad	7.19	0.00	2.68	2.68
		Kcnk1	6.94	0.00	2.63	2.63
		Ncoa7	15.33	3.97	2.59	2.59
		F2rl2	19.65	6.92	2.47	2.47
		Lingo4	5.48	0.00	2.34	2.34
		Fah	12.41	3.26	2.31	2.31
		Tns4	4.84	0.00	2.20	2.20
		Il1r1	4.98	0.09	2.17	2.17
		Apobec1	7.30	1.31	2.04	2.04
		Cd93	10.82	3.41	1.96	1.96
		Stom	7.29	1.71	1.86	1.86
		Rhobtb1	3.68	0.08	1.86	1.86
		St3gal3	9.65	3.19	1.80	1.80
		Coro2b	22.21	11.86	1.77	1.77
		Tifa	3.21	0.04	1.76	1.76
		Ly6g5b	15.31	7.60	1.61	1.61
		Ras11a	4.09	0.69	1.55	1.55
		Lrrc49	3.08	0.28	1.53	1.53
		Smyd2	29.99	20.13	1.39	1.39
		Zfp57	2.56	0.25	1.38	1.38
		Fnbp1l	2.86	0.46	1.32	1.32
		Prelid2	33.24	23.68	1.27	1.27
		Lipo1	32.46	43.28	-1.24	1.24
		Eps8l3	1.49	0.00	1.22	1.22
		Gjb2	1.56	0.04	1.21	1.21
		Igfl1r	1.91	0.19	1.18	1.18
		Tmtc2	3.37	6.84	-1.09	1.09
		Gstm5	12.35	7.66	1.05	1.05
		Gpr183	26.97	19.80	1.05	1.05
		Smox	15.07	9.86	1.04	1.04
		Dpep2	1.26	0.15	0.93	0.93
		S100a1	25.09	32.09	-0.93	0.93
		Large	9.07	5.71	0.87	0.87
		Ryk	3.26	5.68	-0.81	0.81
		S1pr3	0.62	0.00	0.78	0.78
		Ucp3	0.52	0.00	0.72	0.72
		Ablim3	0.57	0.02	0.72	0.72
		Gpr157	1.38	0.45	0.69	0.69
		Il1r2	2.69	1.35	0.67	0.67
		Eps8	2.72	1.40	0.65	0.65
		Dmrt1a	0.42	0.00	0.65	0.65
		Frrs1	5.91	8.07	-0.58	0.58
		Dusp4	4.26	2.80	0.55	0.55
		A830080D01	4.08	2.74	0.51	0.51
		Tacstd2	0.16	0.00	0.40	0.40
		Capg	9.77	8.30	0.35	0.35
		Tnfrsf21	4.96	4.02	0.31	0.31
		Tns3	0.94	1.35	-0.27	0.27
		Xkrx	0.32	0.15	0.25	0.25
		Cdh20	0.06	0.00	0.24	0.24
		Asphd2	1.43	1.79	-0.20	0.20
		Ccne2	5.97	5.47	0.15	0.15
		Mapk10	0.02	0.00	0.14	0.14
		Cryaa	0.13	0.08	0.11	0.11
		Dlg5	0.80	0.87	-0.05	0.05

72% of core ILC2 genes are down in G9a KO 70% are co-regulated in GF11KO  
84% of core ILC3 genes are up in G9a KO 54% are co-regulated in GF11KO

the genes that are not following the pattern are mostly of low Z-scores