

Additional file 14: B lymphocyte lineage GenomicScope analysis in function of the three H3 subclusters (H3a, H3b, H3c). Genes upregulated in the given group compared to the overall mean expression are highlighted in red. Genes downregulated in the given group compared to the overall mean expression are highlighted in blue.

Cluster	Affymetrix probe set ID	Gene Symbol na35	Score	NBCs	CBs	CCs	MBCs	prePBs	PBs	EPCs	BMPCs
H3a	227915_at	<i>ASB2</i>	0.13	-1.80	3.27	4.85	-1.97	2.35	-1.37	-2.86	-0.85
	220423_at	<i>PLA2G2D</i>	0.20	-3.41	-3.41	-3.41	-3.41	-3.41	-3.31	-3.41	22.40
	210321_at	<i>GZMH</i>	0.14	-1.43	-1.43	-1.43	-1.22	-1.43	7.90	-1.37	-0.165
	1555120_at	<i>CD96</i>	0.11	-1.05	-1.05	-1.05	-1.05	6.95	-1.05	-1.05	-1.05
	210164_at	<i>GZMB</i>	0.13	-1.68	-1.74	-1.70	-0.85	0.12	5.16	1.63	-1.63
	238581_at	<i>GBP5</i>	0.15	2.08	-4.33	-3.46	0.91	0.52	2.53	3.13	-2.925
	219836_at	<i>ZBED2</i>	0.19	-2.56	-0.53	6.52	-2.56	8.035	-2.56	-2.56	-2.56
H3b	210313_at	<i>LILRA4</i>	0.06	-0.05	-0.91	-0.34	1.60	-1.44	-0.49	-0.23	1.61
	1558186_s_at	---	0.16	-2.79	5.70	5.395	-2.81	-2.78	-0.34	2.61	-2.76
	235885_at	<i>P2RY12</i>	0.21	-2.04	6.80	8.74	-2.21	-2.295	-2.29	-2.28	-1.31
	1553380_at	<i>PARP15</i>	0.22	7.42	-4.64	-4.35	6.915	4.10	-2.37	-4.37	-4.495
	235982_at	<i>FCRL1</i>	0.225	6.79	3.35	3.79	4.02	-2.95	-4.88	-4.88	-3.825
	228592_at	<i>MS4A1</i>	0.26	4.49	4.39	5.00	4.37	-0.56	-7.54	-7.43	-0.83
	206255_at	<i>BLK</i>	0.15	3.21	2.47	1.72	3.17	-1.21	-0.64	-3.08	-4.815
	235401_s_at	<i>FCRLA</i>	0.09	-0.11	2.59	3.02	-0.45	0.09	-1.26	-1.90	-0.85
	206398_s_at	<i>CD19</i>	0.11	1.45	2.99	3.58	0.69	-0.31	-1.55	-2.98	-2.56
	205544_s_at	<i>CR2</i>	0.16	1.13	4.95	5.85	-0.49	-3.24	-2.72	-0.30	-3.015
	224499_s_at	<i>AICDA</i>	0.34	-5.79	15.62	10.62	-5.79	7.70	-5.79	-5.79	-5.55
	230896_at	<i>BEND4</i>	0.145	2.19	2.25	2.08	2.30	1.89	-1.33	-4.52	-3.98
H3c	217260_x_at	<i>LOC102723479</i>	0.05	-0.78	-0.79	-0.65	-0.80	0.22	0.06	1.32	1.13
	230673_at	<i>PKHD1L1</i>	0.06	-1.78	1.30	1.23	-1.42	-0.62	1.01	0.77	0.02
	242020_s_at	<i>ZBP1</i>	0.14	0.83	-3.83	-3.71	1.47	-3.07	1.32	2.78	2.71
	216829_at	---	0.17	-2.82	-2.85	0.39	-3.985	-2.37	2.19	4.34	4.60
	217235_x_at	<i>IGLL5</i>	0.12	-3.16	-1.37	0.32	-2.74	-0.37	2.09	2.46	2.54
	211637_x_at	---	0.14	-1.14	-2.29	0.69	-4.41	-1.23	2.28	2.65	3.13
	211639_x_at	---	0.135	-0.67	-3.16	0.65	-4.30	-1.40	2.71	3.17	2.50
	219159_s_at	<i>SLAMF7</i>	0.23	-5.90	-4.29	0.27	-5.13	0.09	3.59	4.72	5.85
	211650_x_at	---	0.13	-1.94	-2.72	0.42	-3.87	-0.39	2.27	2.98	2.78
	211908_x_at	<i>IGK</i>	0.145	-2.28	-3.28	0.455	-3.93	-0.46	2.51	3.12	3.30
	217281_x_at	---	0.12	-1.82	-2.15	0.79	-3.73	-0.46	2.20	2.02	2.88
	217022_s_at	---	0.12	-5.16	-2.68	-0.39	0.08	1.495	2.10	2.15	1.795
	212592_at	<i>IGJ</i>	0.08	-2.90	-0.81	0.54	-2.30	0.62	2.13	2.29	0.36
	224405_at	<i>FCRL5</i>	0.12	-1.06	-1.92	0.66	-2.66	-2.31	2.29	2.045	2.72
	207237_at	<i>KCNA3</i>	0.10	1.86	-2.99	-3.37	-0.13	-0.22	1.27	1.695	0.61
	206641_at	<i>TNFRSF17</i>	0.22	-7.31	0.635	1.46	-5.69	1.73	3.27	3.23	3.09
	223565_at	<i>MZB1</i>	0.14	-2.59	-1.17	0.89	-4.52	-0.56	2.18	2.22	3.50

NBCs: naive B cells; CBs: centroblasts; CCs: centrocytes; MBCs: memory B cells; prePBs: preplasmablasts; PBs: plasmablasts; EPCs: early plasma cells; BMPCs: bone marrow plasma cells.