

Supplemental Table S1. Absolute numbers (cc) and relative counts, ie. percentage of total lymphocytes (%) of the B cell subsets in all the DS children studied

No.	Sex	Age	WBC cc	LYMPH %	B CD19+ Lymph						Transitional B CD19+ CD38hi slgMhi						Naïve B CD19+ CD27+ slgD+						Non-switched memory / MZL B CD19+ CD27+ slgD+						Switched memory B CD19+ CD27+ slgM-						Plasmablasts CD19+ CD38hi slgM-						Immature B CD19+ CD21lo						Immature activated B CD19+ CD38lo CD21lo					
					%	N. min	N. max	cc	N. min	N. max	%	N. min	N. max	cc	N. min	N. max	%	N. min	N. max	cc	N. min	N. max	%	N. min	N. max	cc	N. min	N. max	%	N. min	N. max	cc	N. min	N. max	%	N. min	N. max	cc	N. min	N. max	%	N. min	N. max	cc	N. min	N. max						
1	f	2	12500	49	24	10.0	30.7	1567	700	1800	60.9	4.1	43.9	954	50	570	93.4	85.7	94.8	1463	580	1600	3.5	1.7	6.5	55	20	50	1.1	0.3	1.5	17	10	90	0.9	0.2	2.7	14	0	30	10.2	6.7	23.1	160	40	240	0.7	0.4	2.2	11	0	20
2	f	5	7980	27	11	18.4	37.5	253	700	2400	11.2	11.4	38.4	28	130	940	82.8	82.1	95.2	209	620	2120	0.7	2.5	8.7	2	20	200	6.5	0.1	2.5	16	10	179	17.6	0.4	3.3	44	0	40	32.8	7.1	31.1	83	50	810	50.4	0.5	2.9	127	0	50
3	m	6	8420	60	22	15.7	34.1	1137	700	2800	21.5	7.2	19.7	244	100	300	97.2	85.5	93.4	1105	600	2590	1.8	2.8	7.4	20	30	120	0.6	0.5	2.1	7	20	140	1.8	0.2	4.0	20	0	60	21.5	6.2	20.3	244	70	290	10.7	0.4	3.3	122	0	50
4	m	6	12000	31	18	15.7	34.1	670	700	2800	33.7	7.2	19.7	226	100	300	89.6	85.5	93.4	600	600	2590	3.1	2.8	7.4	21	30	120	2.9	0.5	2.1	19	20	140	6.1	0.2	4.0	41	0	60	5.7	6.2	20.3	38	70	290	30.0	0.4	3.3	201	0	50
5	m	8	10990	11	39	15.7	34.1	505	700	2800	7.0	7.2	19.7	35	100	300	82.1	85.5	93.4	414	600	2590	1.5	2.8	7.4	8	30	120	8.5	0.5	2.1	43	20	140	8.7	0.2	4.0	44	0	60	5.4	6.2	20.3	27	70	290	19.5	0.4	3.3	98	0	50
6	m	10	6530	69	12	13.9	28.2	565	400	2900	17.2	3.6	12.7	97	20	210	89.2	76.5	94.7	504	360	2800	2.5	3.0	10.7	14	20	140	4.6	0.3	2.1	26	10	100	0.2	0.4	5.5	1	0	30	10.1	4.3	23.1	57	40	310	4.0	0.5	4.5	23	0	40
7	m	12	4740	39	17	13.9	28.2	324	400	2900	27.8	3.6	12.7	90	20	210	94.1	76.5	94.7	305	360	2800	2.1	3.0	10.7	7	20	140	2.4	0.3	2.1	8	10	100	1.4	0.4	5.5	5	0	30	20.8	4.3	23.1	67	40	310	4.8	0.5	4.5	16	0	40
8	m	12	8560	24	17	13.9	28.2	366	400	2900	6.7	3.6	12.7	25	20	210	80.8	76.5	94.7	296	360	2800	10.1	3.0	10.7	37	20	140	6.0	0.3	2.1	22	10	100	0.7	0.4	5.5	3	0	30	38.0	4.3	23.1	139	40	310	34.0	0.5	4.5	125	0	40
9	m	12	12620	26	15	13.9	28.2	500	400	2900	7.1	3.6	12.7	35	20	210	92.3	76.5	94.7	461	360	2800	8.4	3.0	10.7	42	20	140	6.0	0.3	2.1	30	10	100	0.7	0.4	5.5	3	0	30	36	4.3	23.1	180	40	310	29.1	0.5	4.5	145	0	40
10	m	13	10050	44	30	13.9	28.2	1396	400	2900	3.8	3.6	12.7	53	20	210	94.6	76.5	94.7	1321	360	2800	3.3	3.0	10.7	46	20	140	2.5	0.3	2.1	35	10	100	1.7	0.4	5.5	24	0	30	4.1	4.3	23.1	57	40	310	3.5	0.5	4.5	49	0	40
11	f	18	6320	45	19	16.1	34.4	556	600	1900	34.3	3.3	16.5	191	30	200	92.6	68.1	89.3	515	490	1560	2.8	4.1	13.9	16	30	170	3.6	0.7	3.4	20	30	180	8.9	0.5	3.0	50	10	40	8.7	5.1	21.3	48	50	310	30.4	1.0	5.7	169	10	60
12	m	18	10600	45	7	16.1	34.4	385	600	1900	1.8	3.3	16.5	7	30	200	78.8	68.1	89.3	303	490	1560	9.1	4.1	13.9	35	30	170	6.1	0.7	3.4	23	30	180	0.0	0.5	3.0	0	10	40	14.5	5.1	21.3	56	50	310	14.5	1.0	5.7	56	10	60
13	m	20	8510	38	11	16.1	34.4	360	600	1900	15.5	3.3	16.5	56	30	200	86.3	68.1	89.3	311	490	1560	5.6	4.1	13.9	20	30	170	6.0	0.7	3.4	22	30	180	1.2	0.5	3.0	4	10	40	12.7	5.1	21.3	46	50	310	8.6	1.0	5.7	31	10	60
14	m	22	17910	12	37	16.1	34.4	1014	600	1900	10.5	3.3	16.5	106	30	200	92.7	68.1	89.3	940	490	1560	3.4	4.1	13.9	34	30	170	2.6	0.7	3.4	26	30	180	0.8	0.5	3.0	8	10	40	17.7	5.1	21.3	179	50	310	25.4	1.0	5.7	258	10	60
15	f	25	8860	39	1	14.1	28.5	18	400	1700	11.8	3.1	12.3	2	20	200	90.2	54.0	88.4	16	280	1330	1.6	2.7	19.8	1	20	180	5.4	0.8	5.0	1	20	220	1.1	0.6	4.0	1	10	50	8.4	4.1	24.4	1	20	230	5.6	1.7	5.4	1	10	60
16	m	25	14130	16	24	14.1	28.5	558	400	1700	4.5	3.1	12.3	25	20	200	86.7	54.0	88.4	483	280	1330	3.8	2.7	19.8	21	20	180	7.7	0.8	5.0	43	20	220	0.5	0.6	4.0	3	10	50	16.1	4.1	24.4	90	20	230	14.8	1.7	5.4	83	10	60
17	m	28	15500	29	32	14.1	28.5	1517	400	1700	7.9	3.1	12.3	120	20	200	90.9	54.0	88.4	1379	280	1330	3.0	2.7	19.8	46	20	180	3.6	0.8	5.0	55	20	220	0.0	0.6	4.0	0	10	50	4.8	4.1	24.4	73	20	230	12.9	1.7	5.4	196	10	60
18	f	30	10040	65	22	14.1	28.5	1547	400	1700	10.6	3.1	12.3	164	20	200	92.1	54.0	88.4	1425	280	1330	3.7	2.7	19.8	57	20	180	3.1	0.8	5.0	48	20	220	2.3	0.6	4.0	36	10	50	7.0	4.1	24.4	108	20	230	2.4	1.7	5.4	37	10	60
19	m	30	9820	20	44	14.1	28.5	936	400	1700	5.3	3.1	12.3	50	20	200	85.2	54.0	88.4	798	280	1330	3.6	2.7	19.8	34	20	180	7.1	0.8	5.0	66	20	220	0.4	0.6	4.0	4	10	50	5.1	4.1	24.4	48	20	230	2.7	1.7	5.4	25	10	60
20	f	33	15500	15	51	14.1	28.5	1275	400	1700	21.0	3.1	12.3	267	20	200	89.3	54.0	88.4	1139	280	1330	3.2	2.7	19.8	41	20	180	3.6	0.8	5.0	46	20	220	0.0	0.6	4.0	0	10	50	3.5	4.1	24.4	45	20	230	3.5	1.7	5.4	45	10	60
21	f	34	10010	45	41	14.1	28.5	1847	400	1700	22.5	3.1	12.3	416	20	200	89.2	54.0	88.4	1647	280	1330	2.9	2.7	19.8	54	20	180	7.5	0.8	5.0	139	20	220	4.1	0.6	4.0	76	10	50	12.1	4.1	24.4	223	20	230	5.9	1.7	5.4	109	10	60
22	m	36	5770	60	7	14.1	28.5	247	400	1700	21.5	3.1	12.3	53	20	200	82.0	54.0	88.4	202	280	1330	7.2	2.7	19.8	18	20	180	8.5	0.8	5.0	21	20	220	0.8	0.6	4.0	2	10	50	20.1	4.1	24.4	50	20	230	17.1	1.7	5.4	42	10	60
23	f	37	5000	46	19	14.1	28.5	456	400	1700	26.2	3.1	12.3	119	20	200	88.4	54.0	88.4	403	280	1330	3.9	2.7	19.8	18	20	180	6.6	0.8	5.0	30	20	220	2.6	0.6	4.0	12	10	50	12.6	4.1	24.4	57	20	230	8.4	1.7	5.4	319	10	60
24	m	38	7030	16	12	14.1	28.5	145	400	1700	15.2	3.1	12.3	22	20	200	88.6	54.0	88.4	129	280	1330	1.3	2.7	19.8	2	20	180	7.0	0.8	5.0	10	20	220	5.7	0.6	4.0	8	10	50	13.3	4.1	24.4	19	20	230	3.8	1.7	5.4	6	10	60
25	f	42	3540	30	26	14.1	28.5	293	400	1700	19.6	3.1	12.3	57	20	200	87.1	54.0	88.4	255	280	1330	3.6	2.7	19.8	11	20	180	4.9	0.8	5.0	14	20																			