

Supplemental Table 1: Summary of assay characteristics of measured immune and inflammation markers (N=83)

Analyte	Panel	LLOD	% of Samples Above LLOD	Median Concentration [†]		Within-batch CV (%) [‡] ICC [‡]		Between-batch CV (%) [‡] ICC [‡]	
				Controls	Cases				
6CKINE	C17P2	78.1	86.7	235.2	270.2	3.4	0.93	4.1	0.89
AMYLIN	MH9	27.4	47.0	13.7	27.8	4.7	0.80	7.0	0.52
BCA-1	C17P2	1.0	100.0	15.5	18.9	7.5	0.87	10.1	0.77
CCL19 MIP3B	C7P3	2.4	99.8	56.3	62.7	3.5	0.95	5.9	0.86
CCL20 MIP3A	C7P3	2.4	62.5	3.6	3.8	9.7	0.95	12.3	0.92
C-PEPTIDE	MH9	68.6	99.5	1807.6	1890.7	0.8	0.99	2.6	0.94
CTACK	C17P2	1.2	100.0	626.0	648.3	2.1	0.91	3.0	0.80
CXCL11 I-TAC	C7P3	2.0	99.8	30.0	30.7	4.0	0.98	5.8	0.96
CXCL6 GCP2	C7P3	2.4	99.8	56.9	60.5	3.4	0.96	5.0	0.91
CXCL9 MIG	C7P3	12.2	99.8	464.4	492.9	2.2	0.97	4.1	0.89
EGF	C22P1	3.2	86.0	36.3	38.7	3.0	0.97	4.1	0.95
ENA-78	C17P2	19.5	100.0	632.3	614.9	2.5	0.98	3.1	0.97
EOTAXIN	C22P1	3.2	99.8	68.9	69.3	5.1	0.89	5.7	0.86
EOTAXIN-2	C17P2	2.4	100.0	778.5	855.8	2.5	0.99	3.4	0.97
FGF-2	C22P1	16.0	25.6	8.0	8.0	10.7	0.84	14.6	0.66
FLT-3L*	C22P1	3.2	8.5						
FRACTALKINE*	C22P1	16.0	8.0						
G-CSF	C22P1	16.0	36.4	8.0	8.0	15.1	0.79	13.0	0.85
GIP	MH9	2.7	99.3	23.2	21.5	2.9	1.00	11.1	0.93
GLP-1	MH9	13.7	20.6	6.9	6.9	2.5	0.98	7.5	0.47
GLUCAGON*	MH9	13.7	19.9						
GM-CSF	C15P1	0.6	40.4	0.3	0.3	12.7	0.97	22.1	0.91
GRO	C22P1	16.0	100.0	409.6	423.5	2.9	0.96	3.1	0.95
IFNA2*	C22P1	3.2	17.3						
IFNG	C22P1	0.6	40.5	0.3	0.3	37.4	0.76	40.9	0.59
IL-10	C15P1	3.2	32.1	1.6	1.6	5.3	0.98	12.3	0.91
IL-11	C7P3	4.9	22.9	2.4	2.4	13.4	0.88	17.5	0.81
IL-12P40	C22P1	3.2	25.4	1.6	1.6	13.2	0.89	6.8	0.91
IL-12P70*	C15P1	0.6	18.1						
IL-15	C15P1	0.6	22.8	0.3	0.3	10.2	0.96	12.8	0.96
IL-16	C17P2	9.8	86.2	24.5	27.7	4.1	0.97	8.0	0.90
IL-17	C15P1	0.6	55.6	0.8	1.1	34.6	0.91	52.1	0.79
IL-1A	C22P1	3.2	20.6	1.6	1.6	14.1	0.93	15.3	0.91
IL-1B	C15P1	0.6	32.1	0.3	0.3	6.1	0.98	7.3	0.86
IL-1RA	C15P1	16.0	27.9	8.0	8.0	2.0	0.99	4.6	0.96
IL-2	C15P1	0.6	30.2	0.3	0.3	6.1	0.96	19.2	0.85
IL-29 IFNL1*	C7P3	195.3	11.1						
IL-3*	C15P1	0.6	7.5						
IL-33	C17P2	4.9	21.4	2.4	2.4	11.6	0.95	12.7	0.95
IL-4	C15P1	3.2	25.1	1.6	1.6	6.5	0.96	16.3	0.85
IL-5*	C15P1	0.6	16.9						
IL-6	C15P1	0.6	33.4	0.3	0.3	5.5	0.99	24.3	0.88
IL-7	C15P1	3.2	21.6	1.6	1.6	12.0	0.95	16.2	0.91
IL-8	C22P1	0.6	97.7	5.3	5.0	11.7	0.94	12.6	0.93
INSULIN	MH9	137.2	95.2	446.3	478.1	1.4	0.99	3.3	0.95
IP-10	C22P1	16.0	100.0	218.6	221.8	6.5	0.90	6.7	0.89
LEPTIN	MH9	137.2	99.8	7740.0	8729.9	0.6	1.00	1.7	0.99
LIF*	C17P2	4.9	3.5						
MCP-1	C22P1	3.2	100.0	278.0	269.9	4.6	0.85	5.0	0.82
MCP-2	C17P2	19.5	95.0	42.0	39.1	4.2	0.94	5.7	0.90
MCP-3*	C22P1	16.0	13.5						
MCP-4	C17P2	9.8	95.0	98.3	96.6	1.8	0.98	3.9	0.90
MDC	C22P1	3.2	100.0	771.7	772.0	3.0	0.97	3.0	0.97
MIP-1A	C22P1	0.6	28.9	0.3	0.3	17.6	0.95	18.5	0.95
MIP-1B	C22P1	3.2	90.4	24.3	24.8	5.2	0.91	7.1	0.83
MIP-1D	C17P2	12.2	100.0	1576.7	1513.5	1.7	0.98	2.5	0.95
PP	MH9	13.7	95.2	102.5	102.0	2.2	1.00	5.6	0.97

PYY	MH9	123.5	21.6	61.7	61.7	1.9	0.95	4.0	0.76
SCD30*	SR13P1	122.1	2.2						
SCD40L	C22P1	3.2	99.7	10000.0	10000.0	1.3	0.71	1.5	0.61
SCF	C17P2	2.4	35.7	1.2	1.2	16.6	0.83	26.9	0.54
SDF-1A+B	C17P2	97.7	100.0	3317.5	3304.6	0.8	0.96	1.1	0.91
SEGFR	SR13P1	610.4	100.0	48548.5	49663.5	2.6	0.71	3.3	0.51
SGP130	SR13P1	122.1	100.0	158231.0	160246.0	2.1	0.78	2.7	0.63
SIL-1RI*	SR13P1	122.1	0.3						
SIL-2RA*	C22P1	3.2	3.3						
SIL-4R	SR13P1	244.2	100.0	1035.6	1036.8	1.6	0.95	2.5	0.86
SIL-6R	SR13P1	61.1	100.0	15165.6	15804.0	2.6	0.82	3.4	0.70
SILRII	SR13P1	610.4	99.7	5040.1	5054.3	1.7	0.95	2.7	0.87
SRAGE*	SR13P1	61.1	4.5						
STNFR1	SR13P1	61.1	99.8	1060.2	1102.0	2.2	0.88	3.4	0.71
STNFR2	SR13P1	61.1	100.0	4864.7	5427.0	3.2	0.81	4.4	0.64
SVEGFR1*	SR13P1	610.4	2.3						
SVEGFR2	SR13P1	610.4	100.0	11273.9	12187.8	3.1	0.77	4.4	0.53
SVEGFR3	SR13P1	610.4	83.6	1223.9	1256.0	3.0	0.91	4.5	0.81
TARC	C17P2	0.2	100.0	82.0	85.0	3.6	0.96	4.7	0.94
TGF-A	C15P1	0.6	81.9	1.8	1.7	9.7	0.98	19.9	0.92
TNFA	C22P1	0.6	99.2	5.0	5.7	10.1	0.88	14.6	0.74
TNF-B	C15P1	0.6	30.9	0.3	0.3	5.6	0.99	11.6	0.95
TPO	C17P2	12.2	53.5	24.0	20.4	7.4	0.93	10.8	0.86
TRAIL	C17P2	2.4	99.5	31.2	35.6	5.6	0.93	7.7	0.87
TSLP*	C17P2	2.4	16.1						
VEGF	C22P1	16.0	52.2	43.2	45.3	5.2	0.88	6.0	0.79

Abbreviations: LLOD, lower limit of detection; CV, coefficient of variation; ICC, intra-class correlation coefficient

*Analytes detectable in <20% of samples were excluded from further analysis

†Units in pg/ml. For calculation of median, measurements below analyte LLOD assigned a value of LLOD / 2.

‡CVs and ICCs based on log-concentrations.

Supplemental Table 2: Associations with NHL for immune and inflammation markers included in the statistical analysis (N=67)

Analyte	Analyte Category*	N _{Controls} / N _{Cases}	OR [†]	95% CI	P _{trend} [‡]
BCA-1	1	76 / 52			1.0 x 10 ⁻⁶
	2	75 / 52	1.0	0.6 - 1.6	
	3	75 / 61	1.3	0.8 - 2.1	
	4	75 / 136	2.7	1.7 - 4.2	
STNFR2	1	76 / 45			1.1 x 10 ⁻⁶
	2	75 / 52	1.3	0.8 - 2.3	
	3	75 / 82	2.1	1.2 - 3.5	
	4	75 / 122	3.4	2 - 5.8	
TNFA	1	76 / 68			0.0004
	2	75 / 41	0.6	0.4 - 1.1	
	3	75 / 74	1.2	0.7 - 1.9	
	4	75 / 118	1.8	1.1 - 2.9	
SVEGFR2	1	77 / 54			0.0005
	2	74 / 57	1.2	0.7 - 1.9	
	3	75 / 87	1.9	1.1 - 3.1	
	4	75 / 103	2.3	1.4 - 3.9	
IL-16	1	76 / 51			0.006
	2	76 / 77	1.5	0.9 - 2.5	
	3	74 / 74	1.6	1 - 2.7	
	4	75 / 99	2.1	1.3 - 3.3	
TRAIL	1	76 / 68			0.009
	2	75 / 48	0.7	0.4 - 1.2	
	3	75 / 80	1.2	0.8 - 1.9	
	4	75 / 105	1.6	1 - 2.5	
AMYLIN	1	171 / 148			0.04
	2	130 / 153	1.5	1 - 2.1	
CCL19-MIP3B	1	76 / 64			0.06
	2	75 / 66	1.1	0.7 - 1.8	
	3	75 / 79	1.3	0.8 - 2.1	
	4	75 / 92	1.6	1 - 2.5	
6CKINE	1	77 / 63			0.07
	2	74 / 68	1.1	0.7 - 1.8	
	3	75 / 79	1.3	0.8 - 2	
	4	75 / 91	1.5	0.9 - 2.3	
CXCL6-GCP2	1	76 / 65			0.09
	2	75 / 72	1.2	0.7 - 1.9	
	3	75 / 70	1.1	0.7 - 1.8	
	4	75 / 94	1.5	0.9 - 2.4	
IL-33	1	245 / 228			0.10
	2	56 / 73	1.4	0.9 - 2	
SCF	1	203 / 184			0.10
	2	98 / 117	1.3	0.9 - 1.9	

TPO	1	138 / 142			0.13
	2	82 / 57	0.7	0.4 - 1	
	3	81 / 102	1.3	0.8 - 1.9	
STNFR1	1	76 / 56			0.15
	2	75 / 78	1.5	0.9 - 2.4	
	3	75 / 89	1.8	1.1 - 2.9	
	4	75 / 78	1.5	0.9 - 2.6	
CXCL9-MIG	1	76 / 64			0.15
	2	75 / 65	1.1	0.7 - 1.7	
	3	75 / 88	1.5	0.9 - 2.4	
	4	75 / 84	1.4	0.9 - 2.3	
SEGFR	1	76 / 67			0.18
	2	75 / 67	1.1	0.7 - 1.8	
	3	75 / 86	1.4	0.8 - 2.4	
	4	75 / 81	1.4	0.8 - 2.4	
VEGF	1	145 / 141			0.19
	2	78 / 63	0.8	0.5 - 1.2	
	3	78 / 97	1.3	0.9 - 1.9	
SIL-6R	1	76 / 80			0.22
	2	75 / 60	0.8	0.5 - 1.3	
	3	75 / 64	0.8	0.5 - 1.4	
	4	75 / 97	1.3	0.8 - 2	
IL-17	1	137 / 130			0.24
	2	82 / 76	1.0	0.6 - 1.5	
	3	82 / 95	1.2	0.8 - 1.9	
SVEGFR3	1	77 / 69			0.27
	2	74 / 77	1.2	0.7 - 1.9	
	3	76 / 68	1.0	0.6 - 1.6	
	4	74 / 87	1.3	0.8 - 2.2	
IL-4	1	231 / 220			0.28
	2	70 / 81	1.2	0.8 - 1.8	
C-PEPTIDE	1	76 / 64			0.30
	2	75 / 77	1.2	0.8 - 1.9	
	3	75 / 78	1.3	0.8 - 2	
	4	75 / 82	1.4	0.8 - 2.2	
IP-10	1	76 / 74			0.30
	2	75 / 72	1.0	0.6 - 1.6	
	3	75 / 66	0.9	0.6 - 1.5	
	4	75 / 89	1.3	0.8 - 2	
SGP130	1	76 / 80			0.30
	2	75 / 60	0.8	0.5 - 1.2	
	3	75 / 66	0.8	0.5 - 1.3	
	4	75 / 95	1.3	0.8 - 2	
EOTAXIN-2	1	76 / 72			0.34
	2	75 / 66	0.9	0.6 - 1.5	
	3	75 / 79	1.1	0.7 - 1.7	
	4	75 / 84	1.2	0.8 - 1.9	

TARC	1	77 / 72			0.37
	2	74 / 71	1.0	0.7 - 1.6	
	3	75 / 74	1.1	0.7 - 1.6	
	4	75 / 84	1.2	0.8 - 2	
PP	1	76 / 74			0.39
	2	75 / 77	1.1	0.7 - 1.7	
	3	75 / 63	0.9	0.6 - 1.4	
	4	75 / 87	1.2	0.8 - 2	
SCD40L	1	128 / 120			0.40
	2	173 / 181	1.2	0.8 - 1.8	
IL-11	1	236 / 228			0.45
	2	65 / 73	1.2	0.8 - 1.7	
IL-15	1	229 / 236			0.47
	2	72 / 65	0.9	0.6 - 1.3	
MCP-2	1	76 / 93			0.48
	2	75 / 79	0.8	0.5 - 1.3	
	3	75 / 46	0.5	0.3 - 0.8	
	4	75 / 83	0.8	0.5 - 1.3	
CTACK	1	76 / 68			0.50
	2	75 / 70	1.1	0.7 - 1.7	
	3	75 / 91	1.4	0.9 - 2.3	
	4	75 / 72	1.1	0.7 - 1.9	
IL-10	1	208 / 201			0.53
	2	93 / 100	1.1	0.8 - 1.6	
MIP-1B	1	76 / 81			0.54
	2	75 / 68	0.9	0.6 - 1.3	
	3	75 / 60	0.8	0.5 - 1.2	
	4	75 / 92	1.2	0.7 - 1.9	
MIP-1A	1	211 / 217			0.58
	2	90 / 84	0.9	0.6 - 1.3	
MCP-1	1	76 / 85			0.61
	2	75 / 75	0.9	0.6 - 1.4	
	3	75 / 63	0.7	0.4 - 1.2	
	4	75 / 78	0.9	0.6 - 1.5	
FGF-2	1	226 / 221			0.62
	4	75 / 80	1.1	0.7 - 1.6	
TGF-A	1	76 / 89			0.64
	2	75 / 63	0.7	0.5 - 1.1	
	3	75 / 76	0.8	0.5 - 1.4	
	4	75 / 73	0.8	0.5 - 1.3	
GRO	1	76 / 88			0.65
	2	75 / 56	0.7	0.4 - 1.1	
	3	75 / 88	1.0	0.7 - 1.6	
	4	75 / 69	0.8	0.5 - 1.3	
INSULIN	1	76 / 68			0.66
	2	75 / 75	1.1	0.7 - 1.8	
	3	75 / 81	1.2	0.8 - 1.9	
	4	75 / 77	1.2	0.7 - 1.9	

LEPTIN	1	76 / 75			0.67
	2	75 / 66	0.9	0.6 - 1.4	
	3	75 / 95	1.3	0.8 - 2	
	4	75 / 65	0.8	0.5 - 1.4	
GLP-1	1	241 / 237			0.68
	2	60 / 64	1.1	0.7 - 1.6	
IL-7	1	238 / 234			0.69
	2	63 / 67	1.1	0.7 - 1.6	
EGF	1	76 / 93			0.70
	2	75 / 52	0.5	0.3 - 0.9	
	3	76 / 82	0.9	0.5 - 1.4	
	4	74 / 74	0.8	0.5 - 1.4	
GIP	1	76 / 72			0.71
	2	75 / 91	1.3	0.8 - 1.9	
	3	75 / 65	0.9	0.6 - 1.5	
	4	75 / 73	1.0	0.6 - 1.6	
IFNG	1	181 / 177			0.72
	2	120 / 124	1.1	0.7 - 1.5	
MCP-4	1	76 / 78			0.73
	2	75 / 75	1.0	0.6 - 1.5	
	3	75 / 77	1.0	0.6 - 1.5	
	4	75 / 71	0.9	0.6 - 1.5	
IL-8	1	76 / 74			0.74
	2	75 / 84	1.2	0.7 - 1.8	
	3	75 / 71	1.0	0.6 - 1.5	
	4	75 / 72	1.0	0.6 - 1.6	
IL-12P40	1	223 / 226			0.78
	3	78 / 75	0.9	0.7 - 1.4	
CXCL11-I-TAC	1	76 / 81			0.78
	2	75 / 67	0.9	0.5 - 1.4	
	3	75 / 68	0.9	0.6 - 1.4	
	4	75 / 84	1.1	0.7 - 1.7	
IL-6	1	199 / 202			0.79
	3	27 / 29	1.0	0.7 - 1.4	
G-CSF	1	193 / 190			0.79
	2	108 / 111	1.0	0.7 - 1.5	
IL-1B	1	206 / 203			0.79
	2	95 / 98	1.0	0.7 - 1.5	
PYY	1	235 / 237			0.84
	2	66 / 64	1.0	0.6 - 1.4	
IL-1A	1	238 / 240			0.84
	2	63 / 61	1.0	0.6 - 1.4	
IL-1RA	1	216 / 218			0.85
	2	85 / 83	1.0	0.7 - 1.4	

IL-2	1	211 / 209			0.85
	2	90 / 92	1.0	0.7 - 1.5	
TNF-B	1	209 / 207			0.86
	2	92 / 94	1.0	0.7 - 1.5	
SDF-1A-B	1	76 / 78			0.87
	2	75 / 77	1.0	0.7 - 1.5	
	3	75 / 70	0.9	0.6 - 1.4	
	4	75 / 76	1.0	0.6 - 1.6	
CCL20-MIP3A	1	114 / 112			0.90
	2	94 / 95	1.0	0.7 - 1.6	
	3	93 / 94	1.0	0.7 - 1.6	
ENA-78	1	76 / 77			0.91
	2	75 / 77	1.0	0.6 - 1.6	
	3	75 / 72	0.9	0.6 - 1.5	
	4	75 / 75	1.0	0.6 - 1.6	
GM-CSF	1	180 / 179			0.93
	2	121 / 122	1.0	0.7 - 1.4	
MIP-1D	1	76 / 71			0.93
	2	75 / 95	1.3	0.9 - 2.1	
	3	75 / 57	0.8	0.5 - 1.3	
	4	75 / 78	1.1	0.7 - 1.7	
SIL-4R	1	76 / 75			0.94
	2	75 / 75	1.0	0.6 - 1.6	
	3	75 / 76	1.0	0.6 - 1.7	
	4	75 / 75	1.0	0.6 - 1.7	
SILRII	1	76 / 88			0.95
	2	75 / 62	0.7	0.5 - 1.1	
	3	75 / 67	0.8	0.5 - 1.2	
	4	75 / 84	1.0	0.6 - 1.5	
MDC	1	76 / 76			0.96
	2	75 / 74	1.0	0.6 - 1.6	
	3	75 / 78	1.0	0.7 - 1.7	
	4	75 / 73	1.0	0.6 - 1.6	
EOTAXIN	1	76 / 71			0.99
	2	75 / 78	1.1	0.7 - 1.8	
	3	75 / 82	1.2	0.7 - 1.9	
	4	75 / 70	1.0	0.6 - 1.7	

Abbreviations: N_{Cont.}, number of controls; N_{Case}, number of cases; OR, odds ratio; CI, confidence interval; LLOD, lower limit of detection.

* Markers with <25% of measurements below the LLOD (n=32) were categorized into quartiles based on the distribution among controls; markers with 25-50% of measurements below the LLOD (n=3) were categorized into three groups (<LLOD, < median detectable level among controls, ≥ median); and markers with between 50% and 80% of measurements below the LLOD (n=16) were categorized into two groups (<LLOD, detectable level).

† Odds ratios computed using conditional logistic regression.

* P-values for analytes detectable in <50% of samples computed using Wald statistic of regression model parameters for dichotomized analyte level (<lower limit of detection vs. detectable). P-values for all other analytes computed using Wald statistic of regression model parameters for analyte intra-category medians modeled as a continuous variable.

Supplemental Table 3: Associations with common NHL subtypes for dichotomized immune and inflammation markers included in statistical analysis (N=67)

Analyte	Analyte Category*	N _{Controls}	CLL/SLL				DLBCL				FL				P _{Homogeneity}
			N	OR	95% CI	P	N	OR	95% CI	P	N	OR	95% CI	P	
BCA-1	1	151	45				16				12				
	2	150	61	1.4	0.9-2.2	0.15	55	3.3	1.8-6.2	0.0001	29	2.8	1.3-5.7	0.007	0.03
STNFR2	1	151	31				18				14				
	2	150	75	2.6	1.6-4.3	0.0001	53	2.8	1.5-5.2	0.0009	27	2.2	1.1-4.5	0.03	0.86
TNF- α	1	151	46				23				6				
	2	150	60	1.3	0.8-2.1	0.22	48	2.1	1.2-3.7	0.009	35	6.0	2.4-15.0	0.0001	0.008
SVEGFR2	1	151	38				25				17				
	2	150	68	1.8	1.1-2.9	0.01	46	2.1	1.2-3.7	0.01	24	1.4	0.7-2.8	0.30	0.67
IL-16	1	152	49				25				15				
	2	149	57	1.2	0.8-1.9	0.49	46	1.9	1.1-3.3	0.03	26	1.9	0.9-3.8	0.08	0.26
TRAIL	1	151	33				28				15				
	2	150	73	2.5	1.5-4.1	0.0003	43	1.5	0.9-2.6	0.17	26	1.8	0.9-3.7	0.10	0.29
AMYLIN	1	171	48				34				19				
	2	130	58	1.7	1.1-2.8	0.03	37	1.6	0.9-2.8	0.09	22	1.5	0.7-3.0	0.28	0.92
CCL19-MIP3B	1	151	56				24				15				
	2	150	50	0.9	0.5-1.3	0.47	47	2.1	1.2-3.7	0.009	26	1.9	0.9-3.8	0.07	0.01
6CKINE	1	151	48				35				15				
	2	150	58	1.3	0.8-2.1	0.24	36	0.9	0.5-1.6	0.77	26	1.8	0.9-3.6	0.11	0.28
CXCL6-GCP2	1	151	52				30				19				
	2	150	54	1.1	0.7-1.7	0.75	41	1.4	0.8-2.4	0.21	22	1.1	0.6-2.2	0.78	0.68
IL-33	1	245	78				50				30				
	2	56	28	1.6	0.9-2.7	0.10	21	1.9	1-3.5	0.04	11	1.5	0.7-3.3	0.29	0.84
SCF	1	203	55				45				26				
	2	98	51	2.0	1.3-3.2	0.003	26	1.1	0.6-1.9	0.75	15	1.4	0.7-2.9	0.37	0.17
TPO	1	151	59				32				19				
	2	150	47	0.7	0.5-1.2	0.20	39	1.5	0.9-2.5	0.18	22	1.0	0.5-2.1	0.90	0.11

STNFR1	1	151	49				30				15				
	2	150	57	1.2	0.8-1.9	0.42	41	1.3	0.8-2.3	0.29	26	1.8	0.9-3.7	0.10	0.59
CXCL9-MIG	1	151	49				20				17				
	2	150	57	1.2	0.8-1.9	0.41	51	2.4	1.3-4.2	0.004	24	1.6	0.8-3.3	0.16	0.16
SEGFR	1	151	45				31				16				
	2	150	61	1.3	0.8-2.1	0.22	40	1.5	0.9-2.6	0.15	25	1.6	0.8-3.2	0.20	0.89
VEGF	1	151	60				36				20				
	2	150	46	0.8	0.5-1.3	0.37	35	0.9	0.6-1.6	0.83	21	1.1	0.6-2.1	0.82	0.73
SIL-6R	1	151	49				27				18				
	2	150	57	1.2	0.8-1.9	0.48	44	1.7	1-2.8	0.07	23	1.4	0.7-2.7	0.39	0.58
IL-17	1	151	52				27				18				
	2	150	54	1.1	0.7-1.7	0.79	44	1.7	1-3	0.05	23	1.2	0.6-2.4	0.61	0.31
SVEGFR3	1	151	58				32				18				
	2	150	48	0.9	0.6-1.4	0.60	39	1.2	0.7-2.1	0.46	23	1.2	0.6-2.4	0.53	0.51
IL-4	1	231	81				51				29				
	2	70	25	1.0	0.6-1.7	0.97	20	1.3	0.7-2.4	0.40	12	1.3	0.6-2.7	0.54	0.75
C-PEPTIDE	1	151	49				30				20				
	2	150	57	1.2	0.7-1.9	0.48	41	1.6	0.9-2.7	0.11	21	1.0	0.5-1.9	0.89	0.46
IP-10	1	151	51				31				18				
	2	150	55	1.1	0.7-1.7	0.75	40	1.3	0.7-2.2	0.43	23	1.4	0.7-2.7	0.38	0.80
SGP130	1	151	44				29				20				
	2	150	62	1.4	0.9-2.3	0.13	42	1.4	0.8-2.4	0.25	21	1.1	0.6-2.2	0.73	0.82
EOTAXIN-2	1	151	42				41				19				
	2	150	64	1.5	1-2.4	0.08	30	0.8	0.5-1.3	0.37	22	1.2	0.6-2.3	0.64	0.13
TARC	1	151	65				30				16				
	2	150	41	0.6	0.4-1	0.06	41	1.3	0.8-2.3	0.32	25	1.7	0.8-3.3	0.16	0.02
PP	1	151	51				33				23				
	2	150	55	1.2	0.7-1.9	0.51	38	1.1	0.6-1.9	0.71	18	0.8	0.4-1.5	0.46	0.56
SCD40L	1	128	50				21				15				
	2	173	56	0.8	0.5-1.3	0.36	50	2.0	1.1-3.6	0.53	26	1.2	0.6-2.5	0.53	0.02

IL-11	1	236	80				57				31				
	2	65	26	1.2	0.7-2	0.53	14	0.9	0.5-1.7	0.69	10	1.3	0.6-2.9	0.53	0.65
IL-15	1	229	81				53				34				
	2	72	25	0.9	0.6-1.6	0.82	18	1.1	0.6-1.9	0.88	7	0.7	0.3-1.6	0.35	0.67
MCP-2	1	151	61				43				20				
	2	150	45	0.7	0.5-1.2	0.20	28	0.6	0.4-1.1	0.09	21	1.0	0.5-1.9	0.95	0.55
CTACK	1	151	54				29				21				
	2	150	52	1.0	0.7-1.6	0.95	42	1.4	0.8-2.4	0.24	20	0.9	0.5-1.8	0.84	0.53
IL-10	1	208	68				44				31				
	2	93	38	1.2	0.8-2	0.42	27	1.4	0.8-2.4	0.25	10	0.7	0.3-1.5	0.38	0.31
MIP-1B	1	151	64				35				18				
	2	150	12	0.7	0.4-1.0	0.07	36	1.1	0.6-1.9	0.74	23	1.2	0.6-2.4	0.56	0.14
MIP-1A	1	211	78				45				34				
	2	90	28	0.8	0.5-1.3	0.10	26	1.4	0.8-2.4	0.27	7	0.5	0.2-1.2	0.13	0.10
MCP-1	1	151	64				36				18				
	2	150	42	0.7	0.4-1.0	0.07	35	0.9	0.5-1.5	0.67	23	1.2	0.6-2.4	0.64	0.28
FGF-2	1	226	74				53				32				
	2	75	32	1.3	0.8-2.1	0.31	18	1.0	0.5-1.8	0.96	9	0.9	0.4-1.9	0.70	0.56
TGF-A	1	151	65				37				15				
	2	150	41	0.6	0.4-1	0.05	34	1.0	0.5-1.7	0.85	26	1.5	0.7-3	0.31	0.09
GRO	1	151	52				37				17				
	2	150	54	1.0	0.6-1.6	0.92	34	1.0	0.6-1.7	0.90	24	1.3	0.7-2.7	0.44	0.75
INSULIN	1	151	47				32				21				
	2	150	59	1.3	0.8-2.1	0.30	39	1.4	0.8-2.4	0.24	20	0.9	0.4-1.8	0.70	0.51
LEPTIN	1	151	41				33				19				
	2	150	65	1.7	1-2.8	0.06	38	1.4	0.8-2.5	0.25	22	1.0	0.5-2.2	0.99	0.52
GLP-1	1	241	88				54				31				
	2	60	18	0.8	0.4-1.5	0.49	17	1.2	0.6-2.3	0.57	10	1.3	0.6-2.9	0.51	0.47
IL-7	1	238	86				59				30				
	2	63	20	0.9	0.5-1.6	0.65	12	0.8	0.4-1.5	0.46	11	1.3	0.6-2.8	0.49	0.53

EGF	1	151	57				31				18				
	2	150	49	0.9	0.6-1.5	0.69	40	1.3	0.7-2.4	0.34	23	1.2	0.6-2.5	0.58	0.50
GIP	1	151	54				41				19				
	2	150	52	0.9	0.6-1.5	0.72	30	0.9	0.5-1.5	0.58	22	1.0	0.5-2.2	0.91	0.90
IFNG	1	181	64				45				19				
	2	120	42	1.0	0.6-1.5	0.92	26	0.9	0.5-1.5	0.62	22	1.7	0.9-3.4	0.11	0.22
MCP-4	1	151	60				43				18				
	2	150	46	0.8	0.5-1.2	0.30	28	0.6	0.3-1	0.06	23	1.3	0.7-2.6	0.43	0.16
IL-8	1	151	62				35				21				
	2	150	44	0.7	0.4-1.1	0.12	36	1.0	0.6-1.7	0.97	20	0.9	0.5-1.8	0.81	0.51
IL-12P40	1	223	78				53				31				
	2	78	28	0.9	0.6-1.6	0.81	18	1.0	0.5-1.8	0.98	10	0.9	0.4-2.1	0.87	0.99
CXCL11-I-TAC	1	151	55				30				16				
	2	150	50	0.9	0.6-1.5	0.70	41	1.5	0.9-2.7	0.13	25	1.4	0.7-2.9	0.31	0.23
IL-6	1	199	71				45				30				
	2	102	35	0.9	0.6-1.5	0.78	26	1.2	0.7-2	0.63	11	0.7	0.3-1.5	0.38	0.56
G-CSF	1	193	66				43				25				
	2	108	40	1.1	0.7-1.7	0.85	28	1.2	0.7-2.1	0.46	16	1.1	0.6-2.2	0.77	0.89
IL-1B	1	206	66				46				32				
	2	95	40	1.3	0.8-2.1	0.29	25	1.2	0.7-2.1	0.58	9	0.6	0.3-1.3	0.22	0.22
PYY	1	235	85				56				31				
	2	66	21	0.9	0.5-1.6	0.74	15	1.0	0.5-1.8	0.90	10	1.0	0.5-2.2	0.99	0.98
IL-1A	1	238	84				57				34				
	2	63	22	0.9	0.5-1.6	0.80	14	0.9	0.5-1.7	0.73	7	0.8	0.3-2.0	0.69	0.98
IL-1RA	1	216	72				48				35				
	2	85	34	1.1	0.7-1.9	0.61	23	1.2	0.7-2.2	0.49	6	0.4	0.2-1.1	0.08	0.12
IL-2	1	211	72				47				32				
	2	90	34	1.1	0.7-1.7	0.80	24	1.2	0.7-2.1	0.54	9	0.7	0.3-1.5	0.33	0.46
TNF-B	1	209	66				46				33				
	2	92	40	1.4	0.8-2.2	0.21	25	1.2	0.7-2.1	0.52	8	0.6	0.2-1.3	0.16	0.14

SDF-1A-B	1	151	61				41				18				
	2	150	45	0.8	0.5-1.2	0.25	30	0.7	0.4-1.2	0.22	23	1.3	0.7-2.5	0.47	0.31
CCL20-MIP3A	1	157	58				36				17				
	2	144	48	0.9	0.6-1.4	0.64	35	1.1	0.7-1.9	0.70	24	1.6	0.8-3.1	0.20	0.35
ENA-78	1	151	62				39				17				
	2	150	44	0.6	0.4-1	0.06	32	0.9	0.5-1.6	0.66	24	1.4	0.7-2.9	0.34	0.12
GM-CSF	1	180	72				42				23				
	2	121	34	0.7	0.4-1.1	0.10	29	1.1	0.6-1.9	0.77	18	1.1	0.6-2.2	0.70	0.23
MIP-1D	1	151	64				38				23				
	2	150	42	0.6	0.4-1	0.06	33	0.8	0.5-1.4	0.39	18	0.9	0.5-1.7	0.71	0.66
SIL-4R	1	151	52				39				21				
	2	150	54	1.1	0.7-1.7	0.82	32	0.9	0.5-1.5	0.60	20	0.9	0.5-1.7	0.73	0.80
SILRII	1	151	54				36				19				
	2	150	52	1.0	0.6-1.6	0.99	35	1.1	0.6-1.8	0.85	22	1.1	0.6-2.2	0.73	0.95
MDC	1	151	64				36				16				
	2	150	12	0.6	0.4-1.0	0.06	35	1.0	0.6-1.8	0.88	25	1.5	0.8-3.1	0.23	0.06
EOTAXIN	1	151	55				35				24				
	2	150	51	1.0	0.6-1.5	0.87	36	0.9	0.6-1.6	0.83	17	0.7	0.3-1.3	0.26	0.63

Abbreviations: CLL/SLL, chronic lymphocytic leukemia / small lymphocytic lymphoma; DLBCL, diffuse large B-cell lymphoma; FL, follicular lymphoma; OR, odds ratio; CI, confidence interval.

* Analytes with <50% of samples below the lower limit of detection (LLOD) were categorized using the median concentration among controls as cutpoint. Analytes with \geq 50% of samples <LLOD categorized as <LLOD vs. detectable.

†Odds ratios computed using polytomous regression with adjustment for age group at baseline, sex, race, study center, and blood collection date.