

Table S4.1

bv0 = BV negative
 bv1 = BV positive
 beta = estimated difference

Softcup cytokine and chemokine analysis - greater than or equal to 80% of samples detectable

cytokine/ chemokine	bv0 n	bv0 mean		bv1 mean		unadjusted		adjusted		adjusted p-value
		log10 quantity	bv1 n	log10 quantity	unadjusted beta	confidence interval	unadjusted p-value	beta	confidence interval	
IL.1B	128	2.91	53	2.947	0.037	(-0.265 , 0.338)	0.809	0.042	(-0.270 , 0.354)	0.791
IL.6	128	2.511	53	2.348	-0.163	(-0.416 , 0.091)	0.207	-0.134	(-0.397 , 0.128)	0.314
IL.8	128	3.923	53	3.845	-0.078	(-0.169 , 0.013)	0.092	-0.067	(-0.162 , 0.027)	0.16
RANTES	128	1.726	53	1.591	-0.136	(-0.381 , 0.109)	0.276	-0.105	(-0.359 , 0.149)	0.416
sCD40L	128	1.755	53	1.817	0.062	(-0.088 , 0.212)	0.416	0.081	(-0.074 , 0.237)	0.303
EGF	128	1.933	53	1.972	0.04	(-0.161 , 0.241)	0.697	0.086	(-0.120 , 0.291)	0.413
Eotaxin	128	1.203	53	1.278	0.074	(0.013 , 0.136)	0.019	0.065	(0.001 , 0.129)	0.048
FGF.2	128	1.891	53	1.837	-0.054	(-0.230 , 0.123)	0.549	-0.051	(-0.233 , 0.131)	0.584
FLT.3L	128	1.263	53	1.3	0.038	(-0.100 , 0.175)	0.589	0.05	(-0.090 , 0.190)	0.478
Fractalkine	128	1.715	53	1.79	0.075	(-0.051 , 0.201)	0.241	0.085	(-0.046 , 0.216)	0.204
G.CSF	128	3.72	53	3.743	0.023	(-0.274 , 0.321)	0.877	0.026	(-0.285 , 0.337)	0.869

GROa	128	3.765	53	3.425	(-0.726 , -0.34 0.047)	0.085	(-0.767 , -0.363 0.041)	0.078
IFN.a2	128	0.867	53	1.021	(-0.085 , 0.154 0.393)	0.205	(-0.048 , 0.199 0.446)	0.113
IFNg	128	0.515	53	0.39	(-0.377 , -0.125 0.127)	0.329	(-0.383 , -0.122 0.140)	0.361
IL.1a	128	3.724	53	3.643	(-0.257 , -0.081 0.095)	0.367	(-0.262 , -0.079 0.105)	0.399
IL.1RA	128	4.062	53	3.949	(-0.255 , -0.113 0.028)	0.116	(-0.247 , -0.101 0.045)	0.173
IL.2	127	0.245	52	0.313	(-0.147 , 0.068 0.283)	0.534	(-0.153 , 0.068 0.288)	0.546
IL.4	126	-0.394	51	-0.402	(-0.203 , -0.009 0.185)	0.93	(-0.180 , 0.023 0.226)	0.822
IL.5	128	-0.629	53	-0.665	(-0.217 , -0.036 0.145)	0.694	(-0.231 , -0.042 0.147)	0.659
IL.9	128	0.607	53	0.65	(-0.111 , 0.043 0.197)	0.584	(-0.092 , 0.066 0.225)	0.41
IL.10	128	0.674	53	0.624	(-0.371 , -0.05 0.270)	0.758	(-0.377 , -0.044 0.290)	0.795
IL.12p40	128	1.507	53	1.56	(-0.161 , 0.054 0.268)	0.622	(-0.155 , 0.067 0.289)	0.553
IL.12p70	128	0.319	53	0.615	(0.030 , 0.296 0.563)	0.029	(0.047 , 0.325 0.604)	0.022
IL.13	128	1.456	53	1.536	(-0.063 , 0.08 0.223)	0.27	(-0.051 , 0.098 0.247)	0.197
IL.15	128	0.778	53	0.796	(-0.156 , 0.018 0.192)	0.838	(-0.169 , 0.011 0.191)	0.907
IL.17A	128	1.028	53	0.931	(-0.330 , -0.097 0.136)	0.414	(-0.341 , -0.101 0.139)	0.406
IL.17E_IL.2 5	128	1.002	53	1.039	(-0.072 , 0.036 0.145)	0.51	(-0.058 , 0.055 0.168)	0.336

IL.17F	128	1.17	53	1.111	(-0.275 , -0.06 0.156)	0.585	(-0.284 , -0.059 0.166)	0.603
IL.18	128	2.547	53	2.61	(-0.212 , 0.063 0.339)	0.65	(-0.205 , 0.083 0.371)	0.569
IL.27	128	1.896	53	1.955	(-0.025 , 0.059 0.143)	0.169	(-0.022 , 0.066 0.153)	0.141
IP.10	128	3.623	53	3.179	(-1.000 , -0.444 0.112)	0.117	(-1.026 , -0.451 0.124)	0.124
MCP.1	128	2.915	53	2.718	(-0.418 , -0.197 0.024)	0.08	(-0.426 , -0.196 0.033)	0.093
MCP.3	128	0.97	53	0.871	(-0.274 , -0.099 0.075)	0.263	(-0.255 , -0.073 0.109)	0.428
M.CSF	128	3.202	53	3.475	(0.068 , 0.273 0.478)	0.009	(0.045 , 0.255 0.466)	0.018
MDC	128	2.465	53	2.393	(-0.231 , -0.072 0.087)	0.373	(-0.252 , -0.088 0.076)	0.292
MIG_CXCL 9	128	3.537	53	3.339	(-0.370 , - -0.198 0.025)	0.025	(-0.366 , - -0.186 0.007)	0.041
MIP.1a	128	1.759	53	1.637	(-0.350 , -0.123 0.105)	0.289	(-0.316 , -0.08 0.156)	0.504
MIP.1B	128	1.313	53	1.229	(-0.400 , -0.084 0.232)	0.601	(-0.416 , -0.086 0.244)	0.606
PDGF.AA	128	1.6	53	1.611	(-0.221 , 0.011 0.244)	0.924	(-0.188 , 0.054 0.295)	0.662
PDGF.AB_ BB	128	2.151	53	2.27	(-0.044 , 0.119 0.281)	0.152	(-0.030 , 0.138 0.305)	0.106
TGFa	128	1.509	53	1.504	(-0.099 , -0.005 0.089)	0.916	(-0.104 , -0.006 0.092)	0.907
TNFa	128	1.386	53	1.364	(-0.222 , -0.021 0.179)	0.833	(-0.248 , -0.039 0.169)	0.71
TNFB	128	1.338	53	1.329	(-0.147 , -0.009 0.128)	0.895	(-0.151 , -0.007 0.138)	0.929

VEGF.A	128	2.79	53	2.562	(-0.499 , -0.228 0.044)	0.099	(-0.509 , -0.225 0.059)	0.12
BCA.1	128	1.557	53	1.377	(-0.438 , -0.18 0.079)	0.171	(-0.422 , -0.157 0.108)	0.243
ENA.78	128	3.54	53	3.379	(-0.371 , -0.161 0.048)	0.131	(-0.360 , -0.143 0.075)	0.197
Eotaxin.2	128	2.967	53	2.869	(-0.256 , -0.098 0.061)	0.225	(-0.264 , -0.101 0.063)	0.227
Eotaxin.3	128	1.183	53	1.176	(-0.161 , -0.007 0.147)	0.931	(-0.167 , -0.007 0.154)	0.932
I.309	128	0.182	53	0.182	(-0.146 , 0 0.146)	1	(-0.145 , 0.008 0.160)	0.918
IL.16	128	2.383	53	2.423	(-0.238 , 0.04 0.318)	0.776	(-0.209 , 0.08 0.369)	0.586
IL.21	128	0.641	53	0.724	(0.003 , 0.084 0.165)	0.043	(-0.007 , 0.077 0.160)	0.071
IL.23	128	1.768	53	2.065	(-0.006 , 0.298 0.601)	0.055	(0.013 , 0.328 0.642)	0.041
IL.33	128	0.059	53	0.194	(-0.152 , 0.136 0.423)	0.353	(-0.184 , 0.114 0.412)	0.45
LIF	127	1.074	53	1.441	(0.128 , 0.367 0.607)	0.003	(0.143 , 0.388 0.633)	0.002
MCP.2	128	1.226	53	1.183	(-0.207 , -0.043 0.122)	0.61	(-0.213 , -0.043 0.127)	0.615
MCP.4	128	0.961	53	1.073	(-0.071 , 0.112 0.296)	0.228	(-0.115 , 0.074 0.262)	0.44
MIP.1d	128	2.453	53	2.421	(-0.233 , -0.031 0.171)	0.759	(-0.253 , -0.045 0.163)	0.67
TARC	126	0.849	53	0.595	(-0.468 , - -0.254 0.041)	0.02	(-0.477 , - -0.254 0.031)	0.026
TPO	128	1.513	53	1.597	(-0.083 , 0.083 0.250)	0.323	(-0.076 , 0.097 0.271)	0.268

TRAIL	128	1.385	53	1.522	0.138	(-0.146 , 0.421)	0.338	0.136	(-0.157 , 0.428)	0.361
TSLP	128	-0.174	53	-0.072	0.102	(-0.078 , 0.282)	0.264	0.105	(-0.081 , 0.290)	0.267

Softcup cytokine and chemokine analysis - less than 80% of samples detectable

cytokine/ chemokine	percent undetected	percent detected	total n	unadjusted odds ratio	unadjusted confidence interval	unadjusted p-value	adjusted odds ratio	adjusted confidence interval	adjusted p- value
GM.CSF	29.3	70.7	181	0.94	(0.471 , 1.925)	0.863	0.821	(0.392 , 1.750)	0.603
IL.3	96.1	3.9	181	3.401	(0.725 , 17.793)	0.118	3.972	(0.781 , 22.649)	0.096
IL.7	59.1	40.9	181	1.037	(0.537 , 1.982)	0.912	1.08	(0.543 , 2.136)	0.824
IL.22	20.4	79.6	181	0.829	(0.387 , 1.852)	0.637	0.794	(0.356 , 1.832)	0.578
X6CKine	83.4	16.6	181	1.503	(0.643 , 3.384)	0.333	1.727	(0.699 , 4.165)	0.226
CTACK	22.7	77.3	181	1.374	(0.635 , 3.179)	0.435	1.4	(0.626 , 3.340)	0.427
IL.20	26	74	181	1.494	(0.710 , 3.337)	0.305	1.545	(0.712 , 3.554)	0.285
IL.28A	44.8	55.2	181	1.502	(0.786 , 2.925)	0.223	1.533	(0.771 , 3.103)	0.227
SCF	59.7	40.3	181	1.66	(0.868 , 3.181)	0.125	1.823	(0.925 , 3.616)	0.083
SDF.1a.B	27.6	72.4	181	2.304	(1.065 , 5.441)	0.043	2.721	(1.211 , 6.680)	0.020

BV negative/positive by softcup cytokine and chemokine undetected/detected 2x2 contingency tables

GM.CSF

		percent		percent		percent
BV	undetected	undetected	detected	detected	total	total
negative	37	69.80%	91	71.10%	128	70.70%
positive	16	30.20%	37	28.90%	53	29.30%
TOTAL		53	29.3	128	70.7	181

IL.3

		percent		percent		percent
BV	undetected	undetected	detected	detected	total	total
negative	125	71.80%	3	42.90%	128	70.70%
positive	49	28.20%	4	57.10%	53	29.30%
TOTAL		174	96.1	7	3.9	181

IL.7

		percent		percent		percent
BV	undetected	undetected	detected	detected	total	total
negative	76	71.00%	52	70.30%	128	70.70%
positive	31	29.00%	22	29.70%	53	29.30%
TOTAL		107	59.1	74	40.9	181

IL.22

		percent		percent		percent
BV	undetected	undetected	detected	detected	total	total
negative	25	67.60%	103	71.50%	128	70.70%
positive	12	32.40%	41	28.50%	53	29.30%
TOTAL		37	20.4	144	79.6	181

X6CKine

		percent		percent		percent
BV	undetected	undetected	detected	detected	total	total
negative	109	72.20%	19	63.30%	128	70.70%
positive	42	27.80%	11	36.70%	53	29.30%

TOTAL	151	83.4	30	16.6	181
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CTACK

	undetected	percent undetected	detected	percent detected	total	percent total
BV negative	31	75.60%	97	69.30%	128	70.70%
positive	10	24.40%	43	30.70%	53	29.30%
TOTAL	41	22.7	140	77.3	181	

IL.20

	undetected	percent undetected	detected	percent detected	total	percent total
BV negative	36	76.60%	92	68.70%	128	70.70%
positive	11	23.40%	42	31.30%	53	29.30%
TOTAL	47	26	134	74	181	

IL.28A

	undetected	percent undetected	detected	percent detected	total	percent total
BV negative	61	75.30%	67	67.00%	128	70.70%
positive	20	24.70%	33	33.00%	53	29.30%
TOTAL	81	44.8	100	55.2	181	

SCF

	undetected	percent undetected	detected	percent detected	total	percent total
BV negative	81	75.00%	47	64.40%	128	70.70%
positive	27	25.00%	26	35.60%	53	29.30%
TOTAL	108	59.7	73	40.3	181	

SDF.1a.B

		percent		percent		percent
BV	undetected	undetected	detected	detected	total	total
negative	41	82.00%	87	66.40%	128	70.70%
positive	9	18.00%	44	33.60%	53	29.30%
TOTAL		50	27.6	131	72.4	181

IL.28A

		percent		percent		percent
BV	undetected	undetected	detected	detected	total	total
negative	134	71.70%	15	68.20%	149	71.30%
positive	53	28.30%	7	31.80%	60	28.70%
TOTAL	187	89.5	22	10.5	209	100%

IL.33

		percent		percent		percent
BV	undetected	undetected	detected	detected	total	total
negative	85	72.00%	64	70.30%	149	71.30%
positive	33	28.00%	27	29.70%	60	28.70%
TOTAL	118	56.5	91	43.5	209	100%

SCF

		percent		percent		percent
BV	undetected	undetected	detected	detected	total	total
negative	129	71.30%	20	71.40%	149	71.30%
positive	52	28.70%	8	28.60%	60	28.70%
TOTAL	181	86.6	28	13.4	209	100%

TSLP

		percent		percent		percent
BV	undetected	undetected	detected	detected	total	total
negative	88	71.00%	61	71.80%	149	71.30%
positive	36	29.00%	24	28.20%	60	28.70%

TOTAL	124	59.3	85	40.7	209	100%
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Table S4.2

bv0 = BV negative
 bv1 = BV positive
 beta = estimated difference

Serum cytokine and chemokine analysis - greater than or equal to 80% of samples detectable

cytokine/ chemokine	bv0 n	bv0 mean		bv1 mean		unadjusted		adjusted		adjusted p-value
		log10 quantity	bv1 n	log10 quantity	beta	confidence interval	unadjusted p-value	beta	confidence interval	
IL.1B	149	0.904	60	0.806	-0.099	(-0.259 , 0.062)	0.228	-0.103	(-0.265 , 0.059)	0.211
IL.6	149	-0.022	60	-0.106	-0.084	(-0.298 , 0.130)	0.441	-0.093	(-0.308 , 0.122)	0.394
IL.8	149	0.842	60	0.868	0.026	(-0.078 , 0.130)	0.622	0.03	(-0.075 , 0.135)	0.571
sCD40L	149	3.596	60	3.564	-0.031	(-0.117 , 0.054)	0.47	-0.022	(-0.107 , 0.063)	0.609
EGF	149	2.032	60	2.068	0.036	(-0.098 , 0.170)	0.596	0.045	(-0.089 , 0.179)	0.512
Eotaxin	149	1.363	60	1.339	-0.024	(-0.101 , 0.054)	0.546	-0.026	(-0.104 , 0.052)	0.516
FGF.2	149	1.475	60	1.372	-0.103	(-0.236 , 0.030)	0.127	-0.105	(-0.239 , 0.029)	0.124
FLT.3L	149	1.145	60	1.239	0.094	(0.001 , 0.188)	0.049	0.09	(-0.005 , 0.184)	0.063
Fractalkine	149	2.352	60	2.282	-0.07	(-0.189 , 0.050)	0.251	-0.075	(-0.195 , 0.045)	0.218
G.CSF	149	1.186	60	1.063	-0.123	(-0.299 , 0.053)	0.17	-0.13	(-0.307 , 0.047)	0.148
GROa	149	1.896	60	1.906	0.01	(-0.062 , 0.082)	0.786	0.018	(-0.054 , 0.090)	0.625

IFN.a2	149	1.589	60	1.496	(-0.206 , -0.093 0.021)	0.108	(-0.214 , -0.101 0.013)	0.082
IFNg	149	-0.222	60	-0.252	(-0.379 , -0.03 0.319)	0.866	(-0.396 , -0.044 0.308)	0.805
IL.1a	149	1.039	60	0.95	(-0.270 , -0.089 0.092)	0.334	(-0.265 , -0.083 0.100)	0.373
IL.1RA	149	0.63	60	0.583	(-0.229 , -0.046 0.136)	0.617	(-0.231 , -0.047 0.137)	0.617
IL.4	149	0.248	60	0.176	(-0.197 , -0.072 0.052)	0.254	(-0.198 , -0.072 0.054)	0.262
IL.5	149	0.292	60	0.318	(-0.168 , 0.025 0.219)	0.797	(-0.173 , 0.022 0.217)	0.826
IL.7	149	0.792	60	0.692	(-0.203 , -0.1 0.003)	0.058	(-0.206 , -0.102 0.002)	0.055
IL.10	149	-0.116	60	-0.199	(-0.334 , -0.084 0.166)	0.51	(-0.327 , -0.075 0.176)	0.556
IL.12p40	149	1.533	60	1.528	(-0.200 , -0.006 0.189)	0.955	(-0.204 , -0.009 0.186)	0.928
IL.13	149	1.864	60	1.764	(-0.278 , -0.1 0.078)	0.27	(-0.286 , -0.108 0.071)	0.235
IL.15	149	0.876	60	0.872	(-0.081 , -0.004 0.072)	0.913	(-0.081 , -0.004 0.073)	0.921
IL.17E.IL.2 5	149	2.497	60	2.485	(-0.119 , -0.012 0.095)	0.823	(-0.116 , -0.009 0.099)	0.876
IL.17F	149	0.889	60	0.871	(-0.374 , -0.018 0.338)	0.921	(-0.389 , -0.031 0.326)	0.864
IL.18	149	1.575	60	1.517	(-0.150 , -0.058 0.035)	0.223	(-0.149 , -0.055 0.038)	0.247
IL.27	149	3.129	60	3.162	(-0.044 , 0.033 0.110)	0.403	(-0.048 , 0.03 0.108)	0.445
IP.10	149	2.021	60	2.095	(-0.020 , 0.073 0.167)	0.123	(-0.022 , 0.072 0.167)	0.132

MCP.1	149	2.237	60	2.211	(-0.102 , -0.027 0.049)	0.488	(-0.105 , -0.03 0.046)	0.436
MCP.3	149	1.183	60	1.143	(-0.147 , -0.04 0.067)	0.465	(-0.150 , -0.042 0.067)	0.449
MDC	149	3.287	60	3.189	(-0.218 , -0.098 0.022)	0.11	(-0.219 , -0.098 0.023)	0.113
MIG_CXCL 9	149	3.304	60	3.343	(-0.043 , 0.04 0.122)	0.346	(-0.044 , 0.04 0.123)	0.35
MIP.1	149	1.595	60	1.603	(-0.173 , 0.008 0.190)	0.929	(-0.162 , 0.02 0.202)	0.832
MIP.1B	149	1.764	60	1.786	(-0.050 , 0.022 0.094)	0.545	(-0.047 , 0.025 0.097)	0.5
PDGF.AA	149	3.504	60	3.456	(-0.105 , -0.048 0.009)	0.096	(-0.101 , -0.044 0.013)	0.131
TGFa	149	1.234	60	1.16	(-0.252 , -0.074 0.104)	0.412	(-0.257 , -0.078 0.102)	0.395
TNFa	149	1.768	60	1.739	(-0.122 , -0.029 0.064)	0.536	(-0.124 , -0.031 0.061)	0.506
TNFB	149	1.079	60	1.004	(-0.199 , -0.075 0.049)	0.234	(-0.204 , -0.079 0.045)	0.211
VEGF.A	149	2.373	60	2.237	(-0.277 , -0.136 0.004)	0.057	(-0.272 , -0.131 0.009)	0.067
BCA.1	149	1.977	60	2.011	(-0.065 , 0.033 0.132)	0.503	(-0.049 , 0.048 0.144)	0.332
CTACK	149	2.874	60	2.922	(-0.002 , 0.047 0.096)	0.058	(-0.001 , 0.048 0.097)	0.053
ENA.78	149	3.374	60	3.398	(-0.032 , 0.024 0.080)	0.397	(-0.032 , 0.025 0.081)	0.393
Eotaxin.2	149	2.388	60	2.38	(-0.094 , -0.008 0.079)	0.862	(-0.091 , -0.004 0.083)	0.936
Eotaxin.3	149	1.255	60	1.211	(-0.169 , -0.044 0.081)	0.486	(-0.173 , -0.047 0.078)	0.458

I.309	149	0.09	60	0.096	0.006	(-0.074 , 0.086)	0.882	0.003	(-0.077 , 0.082)	0.948
LIF	149	0.423	60	0.433	0.01	(-0.224 , 0.245)	0.931	0.01	(-0.227 , 0.246)	0.937
MCP.2	149	1.684	60	1.686	0.002	(-0.053 , 0.057)	0.946	0.003	(-0.053 , 0.059)	0.911
MCP.4	149	1.405	60	1.44	0.035	(-0.155 , 0.225)	0.717	0.033	(-0.159 , 0.225)	0.738
MIP.1d	149	3.538	60	3.466	-0.072	(-0.173 , 0.029)	0.16	-0.075	(-0.177 , 0.026)	0.145
SDF.1a.B	149	3.397	60	3.475	0.078	(-0.034 , 0.190)	0.171	0.078	(-0.034 , 0.191)	0.17
TARC	149	2.064	60	2.082	0.018	(-0.056 , 0.092)	0.635	0.018	(-0.057 , 0.092)	0.637
TPO	149	2.269	60	2.267	-0.002	(-0.236 , 0.231)	0.983	-0.007	(-0.242 , 0.228)	0.955
TRAIL	149	1.593	60	1.636	0.043	(-0.034 , 0.120)	0.274	0.036	(-0.040 , 0.113)	0.348

Serum cytokine and chemokine analysis - less than 80% of samples detectable

cytokine/ chemokine	percent undetected	percent detected	total n	unadjusted odds ratio	unadjusted confidence interval	unadjusted p-value	adjusted odds ratio	adjusted confidence interval	adjusted p- value
GM.CSF	87.6	12.4	209	0.554	(0.178 , 1.441)	0.259	0.559	(0.179 , 1.465)	0.27
IL.2	46.9	53.1	209	1.013	(0.555 , 1.853)	0.967	1.045	(0.571 , 1.924)	0.886
IL.3	93.3	6.7	209	0.66	(0.145 , 2.208)	0.536	0.642	(0.141 , 2.162)	0.511
IL.9	33.5	66.5	209	1.01	(0.539 , 1.930)	0.975	0.94	(0.495 , 1.815)	0.851

IL.12p70	71.3	28.7	209	0.458	(0.210 , 0.931)	0.038	0.455	(0.208 , 0.928)	0.037
IL.17A	41.6	58.4	209	0.906	(0.495 , 1.670)	0.751	0.873	(0.474 , 1.617)	0.665
IL.22	23.9	76.1	209	1.194	(0.594 , 2.518)	0.628	1.189	(0.588 , 2.516)	0.638
M.CSF	39.2	60.8	209	1.287	(0.695 , 2.428)	0.427	1.248	(0.671 , 2.363)	0.489
X6CKine	22	78	209	0.788	(0.393 , 1.627)	0.508	0.762	(0.378 , 1.581)	0.454
IL.16	90.9	9.1	209	1.508	(0.536 , 3.959)	0.414	1.424	(0.503 , 3.765)	0.484
IL.20	87.6	12.4	209	0.717	(0.251 , 1.788)	0.499	0.703	(0.244 , 1.766)	0.477
IL.21	44	56	209	1.259	(0.688 , 2.334)	0.458	1.221	(0.664 , 2.271)	0.523
IL.23	67.5	32.5	209	1.296	(0.685 , 2.423)	0.419	1.252	(0.658 , 2.350)	0.487
IL.28A	89.5	10.5	209	1.18	(0.430 , 2.967)	0.733	1.112	(0.402 , 2.817)	0.828
IL.33	56.5	43.5	209	1.087	(0.592 , 1.985)	0.787	1.06	(0.575 , 1.944)	0.851
SCF	86.6	13.4	209	0.992	(0.390 , 2.322)	0.986	1.044	(0.403 , 2.500)	0.925
TSLP	59.3	40.7	209	0.962	(0.518 , 1.766)	0.9	0.914	(0.489 , 1.689)	0.776

BV negative/positive by serum cytokine and chemokine undetected/detected 2x2 contingency tables

GM.CSF

BV	undetected	percent undetected	detected	percent detected	total	percent total
negative	128	69.90%	21	80.80%	149	71.30%

positive	55	30.10%	5	19.20%	60	28.70%
TOTAL	183	87.6	26	12.4	209	100%

IL.2

	percent		percent		percent	
BV	undetected	undetected	detected	detected	total	total
negative	70	71.40%	79	71.20%	149	71.30%
positive	28	28.60%	32	28.80%	60	28.70%
TOTAL	98	46.9	111	53.1	209	100%

IL.3

	percent		percent		percent	
BV	undetected	undetected	detected	detected	total	total
negative	138	70.80%	11	78.60%	149	71.30%
positive	57	29.20%	3	21.40%	60	28.70%
TOTAL	195	93.3	14	6.7	209	100%

IL.9

	percent		percent		percent	
BV	undetected	undetected	detected	detected	total	total
negative	50	71.40%	99	71.20%	149	71.30%
positive	20	28.60%	40	28.80%	60	28.70%
TOTAL	70	33.5	139	66.5	209	100%

IL.12p70

	percent		percent		percent	
BV	undetected	undetected	detected	detected	total	total
negative	100	67.10%	49	81.70%	149	71.30%
positive	49	32.90%	11	18.30%	60	28.70%
TOTAL	149	71.3	60	28.7	209	100%

IL.17A

		percent		percent		percent
BV	undetected	undetected	detected	detected	total	total
negative	61	70.10%	88	72.10%	149	71.30%
positive	26	29.90%	34	27.90%	60	28.70%
TOTAL	87	41.6	122	58.4	209	100%

IL.22

		percent		percent		percent
BV	undetected	undetected	detected	detected	total	total
negative	37	74.00%	112	70.40%	149	71.30%
positive	13	26.00%	47	29.60%	60	28.70%
TOTAL	50	23.9	159	76.1	209	100%

M.CSF

		percent		percent		percent
BV	undetected	undetected	detected	detected	total	total
negative	61	74.40%	88	69.30%	149	71.30%
positive	21	25.60%	39	30.70%	60	28.70%
TOTAL	82	39.2	127	60.8	209	100%

X6CKine

		percent		percent		percent
BV	undetected	undetected	detected	detected	total	total
negative	31	67.40%	118	72.40%	149	71.30%
positive	15	32.60%	45	27.60%	60	28.70%
TOTAL	46	22	163	78	209	100%

IL.16

		percent		percent		percent
BV	undetected	undetected	detected	detected	total	total
negative	137	72.10%	12	63.20%	149	71.30%
positive	53	27.90%	7	36.80%	60	28.70%

TOTAL	190	90.9	19	9.1	209	100%
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IL.20

	percent		percent			percent
BV	undetected	undetected	detected	detected	total	total
negative	129	70.50%	20	76.90%	149	71.30%
positive	54	29.50%	6	23.10%	60	28.70%
TOTAL	183	87.6	26	12.4	209	100%

IL.21

	percent		percent			percent
BV	undetected	undetected	detected	detected	total	total
negative	68	73.90%	81	69.20%	149	71.30%
positive	24	26.10%	36	30.80%	60	28.70%
TOTAL	92	44	117	56	209	100%

IL.23

	percent		percent			percent
BV	undetected	undetected	detected	detected	total	total
negative	103	73.00%	46	67.60%	149	71.30%
positive	38	27.00%	22	32.40%	60	28.70%
TOTAL	141	67.5	68	32.5	209	100%

IL.28A

	percent		percent			percent
BV	undetected	undetected	detected	detected	total	total
negative	134	71.70%	15	68.20%	149	71.30%
positive	53	28.30%	7	31.80%	60	28.70%
TOTAL	187	89.5	22	10.5	209	100%

IL.33

	percent		percent		percent	
BV	undetected	undetected	detected	detected	total	total
negative	85	72.00%	64	70.30%	149	71.30%
positive	33	28.00%	27	29.70%	60	28.70%
TOTAL	118	56.5	91	43.5	209	100%

SCF

	percent		percent		percent	
BV	undetected	undetected	detected	detected	total	total
negative	129	71.30%	20	71.40%	149	71.30%
positive	52	28.70%	8	28.60%	60	28.70%
TOTAL	181	86.6	28	13.4	209	100%

TSLP

	percent		percent		percent	
BV	undetected	undetected	detected	detected	total	total
negative	88	71.00%	61	71.80%	149	71.30%
positive	36	29.00%	24	28.20%	60	28.70%
TOTAL	124	59.3	85	40.7	209	100%