

Table S1. Summary of neonatal assessment of infected neonates.

SampleID	Fetal gender	GA amniocentesis	VL amniotic fluid (log)	GA cordocentesis	VL fetal blood	Fetal platelet	Prenatal imaging	Pregnancy outcome	BW <3rd percentile	TF-US	AABR	FE	Symptomatic asymptomatic newborn
7	1	23.57	7	24.57	3.9	139000	HEB	LB	no	normal	normal	normal	asymptomatic
25	1	22.29	6.2	23.86	3	196000	normal	LB	no	normal	normal	normal	asymptomatic
27	1	20.71	6.3	23	4.4	195000	normal	LB	no	normal	normal	normal	asymptomatic
35	2	20.29	7.1	22	6.3	171000	PIMG, SMG, HEB	LB	no	normal	normal	normal	asymptomatic
37	1	21.57	6.1	22.43	5	132000	SMG, HMG, HEB	LB	no	normal	normal	normal	asymptomatic
41	2	20.29	7	21	6.9	131000	HEB, SEC, PIMG	LB	no	unilateral SEC	normal	normal	asymptomatic
47	1	20.71	5.3	24.43	3.7	138000	normal	LB	no	normal	normal	normal	asymptomatic
51	2	24	6.4	25	4.9	166000	normal	LB	no	normal	normal	normal	asymptomatic
97	2	20.29	6.4	22.14	5.5	192000	normal	LB	no	normal	normal	normal	asymptomatic
1	1	27.43	5.04	29	4.3	156000	HEB, severe IUGR	LB	yes	normal	normal	normal	symptomatic
9	2	33.14	7.7	34.86	2.9	286000	HEB, SMG, LSC, SEC	LB	no	bilateral SEC, asymmetry of LV	normal	normal	symptomatic
11	2	32.86	7.5	35.71	3.1	199000	TC, HSWM, IVS, HMG, SMG	LB	no	mild VMG, bilateral SEC, bilateral LSC	normal	normal	symptomatic
13	1	21.86	7.2	22.86	5.7	196000	normal	LB	no	normal	normal	normal	symptomatic
33	1	24.86	7.7	32.57	3	254000	PIMG, HEB, LSC	LB	no	bilateral LSC	normal	normal	symptomatic
43	2	20.71	7.3	21.71	5.8	199000	HEB	LB	no	normal	bilateral	normal	symptomatic
45	2	27	7.3	28	5.5	110000	HEB, HSWM	LB	no	normal	bilateral	normal	symptomatic
49	1	23.14	8.1	24.86	4.3	109000	HSWM, HEB, SMG	LB	no	bilateral SEC, abnormal WM	bilateral	normal	symptomatic
55	1	23	8.4	25	5.7	55000	normal	LB	no	normal	bilateral	normal	symptomatic
57	2	19.86	6.8	20.57	4.7	231000	HEB	LB	no	normal	unilateral	normal	symptomatic
59	2	25	7.4	25.57	7	119000	normal	LB	no	normal	unilateral	normal	symptomatic
61	1	23.57	8.07	24.57	5.9	140000	HSWM	LB	no	normal	bilateral	normal	symptomatic
63	1	21.29	6	22.29	5.2	145000	normal	LB	no	bilateral LSC and SEC	bilateral	normal	symptomatic
53	2	34.57	7.4	36.71	5.9	NP	severe IUGR, severe MIC, HMG, SMG, SEC, LSC	TOP	NA	NA	NA	NA	Symptomatic and severe
65	NA	32	7.9	NA	NA	NP	mild bilateral VMG, PMG	TOP	NA	NA	NA	NA	Symptomatic and severe
67	1	22	6.95	NA	NA	NP	severe IUGR, severe MIC, PIMG, bilat VMG	ND	NA	NA	NA	NA	Symptomatic and severe
69	1	25.14	6.6	25.14	6.1	35000	bilateral VMG, LSC, hydrops, HMG	IUFD	NA	NA	NA	NA	Symptomatic and severe
71	2	17.14	6.7	21.14	3.6	11000	MIC, VMG, HEB, ASC, HMG, IUGR	TOP	NA	NA	NA	NA	Symptomatic and severe
73	2	22	6	26.86	5	NP	PMG, IVS, TC, HSWM, HMG, SMG	TOP	NA	NA	NA	NA	Symptomatic and severe
75	2	24.86	6.8	25.14	6.2	122000	IVS, TC, PMG	TOP	NA	NA	NA	NA	Symptomatic and severe
77	1	18	5.3	19.71	6.2	81000	MIC, VMG, HEB, PIMG, severe IUGR, ASC, PMG	TOP	NA	NA	NA	NA	Symptomatic and severe
79	2	24.71	7.1	26.71	4.4	119000	IUGR, HEB, HMG, HSWM, bilateral SEC and TC	TOP	NA	NA	NA	NA	Symptomatic and severe
81	1	17.86	6.3	NA	NA	NP	HEB, SEC	IUFD	NA	NA	NA	NA	Symptomatic and severe
83	2	21.29	5.8	23	4.8	100000	MIC, IEB	TOP	NA	NA	NA	NA	Symptomatic and severe
85	1	27.57	8.6	28.14	5.34	107000	HEB, MIC	TOP	NA	NA	NA	NA	Symptomatic and severe
87	NA	18.43	5	18.43	5	13000	HEB, ASC, hydrops, VMG	TOP	NA	NA	NA	NA	Symptomatic and severe
89	NA	20	NA	NA	NA	NP	Severe IUGR, MIC, LSC, cortical abnormalities	TOP	NA	NA	NA	NA	Symptomatic and severe
91	2	17.14	5.8	20.14	5	81000	IUGR, HEB, PMB, LSC	TOP	NA	NA	NA	NA	Symptomatic and severe
93	2	22	7.2	NA	NA	NP	????	TOP	NA	NA	NA	NA	Symptomatic and severe
95	1	23.57	6.5	25.14	4.3	129000	IUGR, VMG, IVS, PMG	TOP	NA	NA	NA	NA	Symptomatic and severe
99	2	27.29	7.7	29.71	5.5	NP	IUGR, SMG, HEB, MIC, VMG, LSC, HSWM	TOP	NA	NA	NA	NA	Symptomatic and severe

OC16 surface	3.0905 (0.2440825)	6.25355 (0.183988)	7.405 (6.024, 17.118)	5.71 (0.19, 166)	0.0 (-12.495)	6.507 (0.219962)	0.2277	0.2115	
OC13 surface	5.5545 (0.4977, 16.1917)	5.014 (0.9875, 19.50925)	4.4 (3.032, 9.604)	5.228 (3.4385, 20.9185)	4.045 (2.887, 11.555)	7.505 (4.222, 40.366)	0.2347	0.0964	X
MPF surface	24.8055 (19.1327, 35.6095)	32.23985 (16.9355, 49.349)	57.644 (60.033, 60.033)	24.692 (14.275, 44.1495)	31.37 (20.6, 40.231)	19.454 (11.016, 37.0332)	0.2872	0.0661	X
IFN surface	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0.3486	0.9789	X
IFN surface	4.4765 (0.13777)	5.542 (0.2325, 22.14625)	18.043 (4.946, 22.744)	4.351 (0.18, 789)	15.61 (6.534, 32.629)	0.155 (0.07075)	0.1249	0.8486	X
IFN surface	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0.3356	0.4606	X
IFN surface	2.592 (0.8344)	6.67 (1.536, 21.9)	3.48 (0.56, 6.516)	7.86 (2.32, 34.674)	10.92 (2.4, 63.768)	5.538 (2.283, 24.12)	0.1818	0.2031	X
IFN surface	2.274 (0.57, 30.81)	2.106 (0.96, 3.87)	1.286 (0.96, 3.84)	2.16 (0.96, 3.52)	2.844 (1.752, 4.132)	1.962 (0.96, 2.526)	0.4703	0.7137	X
IFN surface	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0.5884	0.8662	X
IFN surface	4.14 (0.9, 9.0)	2.76 (0.7, 7.59)	2.4 (0.7, 10.32)	2.36 (0.7, 7.2)	6.36 (0.3, 6.6)	2.28 (0.4, 5.9)	0.7292	0.7593	X
IFN surface	47.492 (20.535, 73.915)	83.424 (41.535, 145.968)	110.52 (42.346, 157.092)	83.32 (35.906, 138.708)	97.56 (54.664, 135.648)	58.098 (23.266, 147.324)	0.7026	0.7693	X
IFN surface	403.842 (248.019, 828.872)	77.138 (83.147, 1121.802)	1043.799 (901.004, 1157.904)	554.118 (30.99, 1112.054)	776.48 (498.48, 1118.628)	398.088 (177.504, 897.813)	0.7489	0.9703	X
IFN surface	0.96 (0.2, 1.6)	1.26 (0.2, 3.1)	1.2 (0.2, 4)	1.32 (0.2, 2.22)	1.8 (1.2, 1.92)	1.26 (0.2, 2.37)	0.8463	0.6952	X
IFN surface	0 (0.8, 49)	0 (0.5, 44.5)	0 (0.7, 0.8)	0 (0.2, 2.0)	0 (0.2, 2.6)	0 (0.0)	0.4741	0.7128	X
IFN surface	47.766 (30.033, 86.601)	52.092 (44.058, 84.81)	46.644 (40.44, 53.868)	57.594 (45.702, 56.144)	49.164 (44.988, 83.09)	69.648 (48.702, 97.647)	0.3239	0.1297	X
IFN surface	276.6 (128.862, 635.307)	2.64 (0.24, 170.266, 449.604)	257.88 (173.256, 546.548)	270.168 (168.806, 433.5)	358.82 (258.66, 480.552)	179.6 (149.807, 412.449)	0.7468	0.9320	X
IFN surface	4.706 (1.099, 7.05)	7.416 (4.29, 10.669)	6.48 (4.8, 9.74)	8.124 (4.26, 11.562)	5.16 (4.2, 7.2)	10.308 (7.35, 11.85)	0.0234	0.0060	X
IFN surface	29.196 (0.246, 7.51)	0 (0.200, 42.1)	0 (0.52, 8.89)	0 (0.2, 2.0)	0 (0.0)	11.471 (0.25, 14.93)	0.1416	0.8552	X
IFN surface	24.9 (12.996, 47.25)	12.7 (9.09, 46.14)	11.76 (11.28, 25.56)	13.68 (8.46, 59.46)	35.16 (8.57, 78.56)	11.46 (7.89, 53.199)	0.3080	0.4673	X
IFN surface	75.24 (37.506, 116.208)	54.5226 (30.232, 105.816)	54.264 (30.523, 247.2956)	54.7812 (25.3536, 94.1216)	69.4032 (20.218, 106.104)	48.1092 (31.1811, 76.0539)	0.3783	0.5952	X
IFN surface	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.2, 3.2)	0 (0.0)	0.8109	0.9108	X
IFN surface	0 (0.5, 75.4)	3.3 (0.8, 45.4)	6.132 (2.82, 8.316)	259.596 (127.224, 455.066)	6.6 (0.1, 11.664)	164.85 (106.071, 250.467)	0.2562	0.5263	X
IFN surface	239.778 (163.338, 449.448)	300.192 (167.295, 681.591)	660.06 (368.352, 295.6212)	433.56 (313.836, 746.184)	433.56 (313.836, 746.184)	164.85 (106.071, 250.467)	0.5483	0.6560	X
IFN surface	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0.8986	0.6555	X
IFN surface	1082.986 (734.974, 1597.956)	24155.274 (13887.278, 33171.639)	13411.452 (7824.686, 28765.988)	24195.876 (13463.94, 30539.324)	27867.932 (13816.576, 35977.848)	24155.274 (13106.275, 28695.609)	0.6023	0.7241	X
IFN surface	0 (0.0)	0 (0.5, 6.6)	0 (0.0)	0 (0.0)	5.04 (0.9, 9.4)	0 (0.9, 0.64)	0.0023	0.7441	X
IFN surface	548.298 (384.462, 831.096)	838.956 (588.57, 1682.418)	822.924 (526.866, 1233.608)	1015.44 (609.666, 1809.216)	1015.44 (628.452, 1651.2)	967.158 (601.607, 1825.788)	0.0048	0.0041	X
IFN surface	1.56 (0.6, 6.9)	2.88 (0.996, 10.659)	3.36 (2.4, 17.28)	2.4 (0.918, 7.812)	6 (4.92, 12.6)	1.242 (0.669, 3.9)	0.2978	0.4957	X
IFN surface	657.264 (404.613, 1345.818)	1069.272 (710.067, 2085.813)	1472.644 (981.768, 2190.672)	973.164 (656.324, 1398.594)	1135.886 (948.036, 1358.016)	739.41 (463.266, 2458.623)	0.1303	0.3403	X
IFN surface	384.3 (213.141, 518.274)	804.144 (567.321, 1407.342)	581.1 (480.096, 870.42)	833.58 (596.754, 1564.182)	794.748 (601.728, 2640.036)	972.624 (470.157, 1407.978)	0.1183	0.0519	X
IFN surface	16.17 (9.12, 23.94)	14.64 (10.437, 22.632)	15.64 (11.664, 24.36)	14.4 (10.9, 21.828)	15.12 (10.8, 24.36)	12.51 (9.87, 19.794)	0.3749	0.5665	X
IFN surface	26.76 (8.57, 55.05)	18.84 (14.33, 45.06)	44.64 (13.96, 90.12)	16.44 (12.36, 36.64)	16.44 (12.36, 36.64)	16.07 (8.37, 36.139)	0.3326	0.8859	X
IFN surface	128.52 (97.08, 213.686)	159.800 (92.07, 272.029)	210.57 (137.67, 281.972)	150.62 (80.016, 271.512)	164.692 (130.042, 310.464)	102.71 (64.846, 172.53)	0.2086	0.4941	X
IFN surface	58.446 (32.901, 91.239)	79.614 (59.928, 131.268)	86.556 (79.764, 126.432)	71.92 (57.246, 135.69)	70.812 (61.8, 101.112)	75.378 (51.87, 168.944)	0.3631	0.5440	X
IFN surface	1.44 (0.1, 1.7)	0 (0.13, 4.9)	9 (8.16, 21.12)	0 (0.12, 1.8)	0 (0.22, 5.6)	0 (0.6, 1.8)	0.8011	0.5309	X
IFN surface	1.44 (0.3, 4.29)	1.224 (0.84, 2.619)	1.56 (1.2, 4.2)	1.2 (0.84, 2.82)	1.2 (0.84, 3.6)	1.194 (0.87, 1.587)	0.6373	0.6333	X
IFN surface	725.232 (196.254, 1356.666)	757.836 (352.305, 2831.577)	646.2 (356.676, 772.752)	898.992 (374.388, 2997.594)	699.152 (168.756, 898.992)	2841.414 (675.408, 7620.282)	0.0987	0.0044	X
IFN surface	180.4938 (98.5061, 346.6263)	299.208 (141.022, 802.9308)	174.888 (141.1776, 224.6172)	415.3464 (155.9106, 888.8652)	245.2572 (140.556, 509.3052)	589.3542 (419.0777, 1395.1194)	0.0123	0.0004	X
IFN surface	20.2402 (0.63, 27.63)	31.014 (0.18, 64.4239)	30.998 (8.018, 51.4464)	31.1232 (0.56, 0.72)	30.7288 (0.44, 60.32)	34.4466 (0.57, 73.17)	0.2920	0.4356	X
IFN surface	96.5662 (49.27, 142.045)	92.1534 (67.1816, 92.392)	107.7059 (61.9356, 170.9362)	90.1894 (63.396, 137.977)	83.96 (63.36, 149.432)	95.2428 (64.523, 177.344)	0.7265	0.3749	X
IFN surface	485.5284 (327.258, 658.4703)	503.1714 (406.1538, 785.7092)	521.886 (448.208, 600.8484)	494.0052 (370.6656, 805.2602)	541.5804 (339.2356, 1353.872)	472.695 (310.9098, 679.5071)	0.0963	0.3285	X
IFN surface	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0.7555	0.5348	X
IFN surface	25.734 (3.8958, 65.4315)	29.4576 (3.6126, 94.3128)	31.4477 (12.4596, 64.9956)	29.406 (2.6574, 98.6832)	46.224 (15.1368, 150.6192)	21.396 (21.394, 36.5508)	0.2712	0.8165	X
IFN surface	3.45 (0.109, 91.1)	2.73 (0.103, 23)	31.4477 (12.4596, 64.9956)	6.3 (0.136, 49.1)	5.46 (0.15, 21)	106.089 (0.147, 0.435)	0.3819	0.4653	X

Table S3. Prediction analysis based on principal component analysis. Contribution of each PC for infection and se-verity.

	Total variance explained	Infection			Severity		
		Beta	Se	p	Beta	Se	p
PC1	65.62%	8.8E-05	2.3E-05	0.00010	3.2E-05	7.7E-06	8.06E-05
PC2	22.73%	-3.5E-05	2.9E-05	0.23	-4.3E-05	1.4E-05	0.0019
PC3	4.98%	-5.6E-05	6.6E-05	0.40	-2.6E-05	3.0E-05	0.40
PC4	2.12%	-3.9E-05	8.0E-05	0.62	1.0E-05	4.7E-05	0.83
PC5	1.43%	3.3E-05	9.7E-05	0.73	9.4E-05	5.6E-05	0.10
PC6	1.09%	6.1E-06	1.1E-04	0.96	-4.7E-05	6.5E-05	0.47
PC7	0.52%	6.6E-05	1.6E-04	0.68	1.2E-04	9.4E-05	0.22
PC8	0.43%	-6.3E-05	1.8E-04	0.72	7.8E-06	1.0E-04	0.94
PC9	0.28%	3.4E-04	2.2E-04	0.13	2.5E-04	1.3E-04	0.050
PC10	0.22%	-1.7E-04	2.5E-04	0.49	-8.2E-05	1.5E-04	0.58
PC11	0.14%	4.2E-04	3.3E-04	0.21	2.7E-04	1.8E-04	0.14
PC12	0.11%	-5.0E-04	3.7E-04	0.17	-2.9E-04	2.0E-04	0.15
PC13	0.09%	-8.2E-06	3.9E-04	0.98	1.1E-04	2.3E-04	0.63
PC14	0.07%	-4.4E-04	4.6E-04	0.34	-5.8E-04	2.5E-04	0.022
PC15	0.05%	4.6E-04	5.6E-04	0.41	2.1E-04	2.9E-04	0.47
PC16	0.03%	-3.4E-04	6.4E-04	0.60	-2.7E-04	3.7E-04	0.46
PC17	0.03%	-1.1E-03	7.3E-04	0.12	-5.1E-04	3.8E-04	0.18
PC18	0.01%	1.1E-03	1.0E-03	0.29	3.4E-04	5.5E-04	0.54
PC19	0.01%	-7.4E-04	1.4E-03	0.59	-1.3E-04	8.1E-04	0.88
PC20	0.01%	1.2E-03	1.6E-03	0.45	1.4E-04	8.8E-04	0.88
PC21	0.00%	2.4E-03	1.7E-03	0.16	9.2E-04	9.6E-04	0.34
PC22	0.00%	-1.5E-03	1.9E-03	0.42	-1.0E-03	1.1E-03	0.34
PC23	0.00%	2.8E-03	2.4E-03	0.25	9.7E-04	1.4E-03	0.48
PC24	0.00%	-2.7E-03	2.6E-03	0.30	-2.5E-03	1.5E-03	0.10
PC25	0.00%	3.2E-03	2.8E-03	0.25	6.4E-04	1.6E-03	0.70
PC26	0.00%	-1.4E-03	3.3E-03	0.67	-8.3E-04	2.0E-03	0.67
PC27	0.00%	-3.2E-04	3.6E-03	0.93	-1.8E-04	2.2E-03	0.93
PC28	0.00%	-2.0E-02	8.0E-03	0.01	-5.4E-03	2.3E-03	0.021
PC29	0.00%	-1.2E-03	4.4E-03	0.79	-1.0E-03	2.6E-03	0.70
PC30	0.00%	-2.9E-03	4.8E-03	0.55	6.6E-04	2.9E-03	0.82
PC31	0.00%	1.7E-04	5.3E-03	0.97	1.1E-04	3.2E-03	0.97
PC32	0.00%	-5.8E-03	6.5E-03	0.37	-2.6E-03	3.8E-03	0.49
PC33	0.00%	4.1E-03	6.6E-03	0.53	3.8E-03	3.9E-03	0.33
PC34	0.00%	-2.8E-03	7.0E-03	0.68	-1.2E-03	4.1E-03	0.76
PC35	0.00%	-4.2E-03	7.5E-03	0.58	-2.7E-03	4.5E-03	0.55
PC36	0.00%	-6.3E-03	7.9E-03	0.43	-2.5E-03	4.6E-03	0.59
PC37	0.00%	1.4E-02	9.5E-03	0.13	7.4E-03	5.3E-03	0.17
PC38	0.00%	-8.6E-03	1.0E-02	0.39	-1.9E-03	5.9E-03	0.74
PC39	0.00%	1.0E-03	1.1E-02	0.93	1.6E-04	6.5E-03	0.98
PC40	0.00%	-5.4E-03	1.3E-02	0.68	-2.3E-03	7.7E-03	0.76
PC41	0.00%	9.4E-04	1.4E-02	0.95	-3.1E-03	8.4E-03	0.71
PC42	0.00%	-2.1E-02	1.6E-02	0.19	-1.6E-02	9.3E-03	0.09
PC43	0.00%	-5.4E-03	1.8E-02	0.76	-2.5E-03	1.1E-02	0.81
PC44	0.00%	1.1E-02	1.9E-02	0.55	1.1E-02	1.1E-02	0.31
PC45	0.00%	4.2E-02	2.2E-02	0.058	1.9E-02	1.2E-02	0.12
PC46	0.00%	2.4E-02	2.2E-02	0.28	9.6E-03	1.3E-02	0.46
PC47	0.00%	3.3E-02	2.4E-02	0.17	1.5E-02	1.4E-02	0.26
PC48	0.00%	2.7E-03	2.6E-02	0.92	1.2E-04	1.5E-02	0.99
PC49	0.00%	4.5E-02	2.9E-02	0.12	1.5E-02	1.7E-02	0.36
PC50	0.00%	2.6E-02	3.0E-02	0.39	3.0E-02	1.7E-02	0.08
PC51	0.00%	-2.5E-02	3.4E-02	0.45	-4.5E-03	2.0E-02	0.82
PC52	0.00%	-3.3E-02	3.7E-02	0.38	-1.6E-02	2.2E-02	0.46
PC53	0.00%	4.5E-02	4.0E-02	0.26	2.8E-02	2.3E-02	0.22
PC54	0.00%	1.3E-02	4.3E-02	0.77	1.4E-02	2.6E-02	0.59
PC55	0.00%	-6.1E-02	4.7E-02	0.19	-2.2E-02	2.6E-02	0.41

PC56	0.00%	-3.2E-02	5.0E-02	0.52	-1.6E-02	2.9E-02	0.59
PC57	0.00%	6.4E-02	6.0E-02	0.29	-6.6E-03	3.5E-02	0.85
PC58	0.00%	1.1E-01	6.7E-02	0.08	3.8E-02	3.7E-02	0.31
PC59	0.00%	-6.9E-02	6.8E-02	0.31	-1.4E-02	4.0E-02	0.73
PC60	0.00%	-5.0E-03	7.4E-02	0.95	2.0E-02	4.4E-02	0.65
PC61	0.00%	-1.2E-02	8.0E-02	0.88	2.0E-02	4.8E-02	0.67
PC62	0.00%	-1.5E-01	8.8E-02	0.08	-6.3E-02	5.0E-02	0.21
PC63	0.00%	3.5E-02	9.7E-02	0.71	2.0E-02	5.7E-02	0.73
PC64	0.00%	2.2E-01	1.2E-01	0.059	7.3E-02	6.6E-02	0.27
PC65	0.00%	5.2E-02	1.4E-01	0.70	4.1E-02	8.0E-02	0.61
PC66	0.00%	7.8E-02	1.5E-01	0.59	-1.4E-05	8.7E-02	1.00
PC67	0.00%	9.1E-02	1.8E-01	0.61	-1.9E-02	1.1E-01	0.86
PC68	0.00%	1.9E-02	2.0E-01	0.93	2.3E-02	1.2E-01	0.85
PC69	0.00%	-4.0E-03	2.3E-01	0.99	-2.4E-02	1.3E-01	0.86
PC70	0.00%	-1.9E-01	2.6E-01	0.46	-9.5E-02	1.5E-01	0.53
PC71	0.00%	-6.1E-02	2.8E-01	0.83	-3.0E-02	1.7E-01	0.86
PC72	0.00%	3.2E-02	3.1E-01	0.92	-1.9E-02	1.9E-01	0.92
PC73	0.00%	-2.5E-03	3.5E-01	0.99	6.4E-02	2.1E-01	0.76
PC74	0.00%	4.5E-01	4.1E-01	0.27	2.7E-01	2.4E-01	0.27
PC75	0.00%	1.8E-01	4.8E-01	0.71	1.0E-01	2.9E-01	0.73
PC76	0.00%	-1.6E-01	5.4E-01	0.76	-9.8E-02	3.2E-01	0.76
PC77	0.00%	6.5E-01	6.4E-01	0.31	3.3E-01	3.7E-01	0.37
PC78	0.00%	9.9E-01	7.4E-01	0.19	4.5E-01	4.3E-01	0.30
PC79	0.00%	6.4E-01	7.8E-01	0.41	2.2E-01	4.6E-01	0.64
PC80	0.00%	3.6E-01	9.2E-01	0.70	3.5E-01	5.4E-01	0.52
PC81	0.00%	5.2E-01	1.1E+00	0.63	-5.1E-01	6.4E-01	0.43
PC82	0.00%	-2.0E+00	1.7E+00	0.24	-1.2E+00	9.8E-01	0.21
PC83	0.00%	-5.1E-01	1.7E+00	0.77	-6.8E-02	1.0E+00	0.95

Figure S1. Pre-processing. (A) Distributions of all proteins (variance). (B) Proportion of non-zero values.

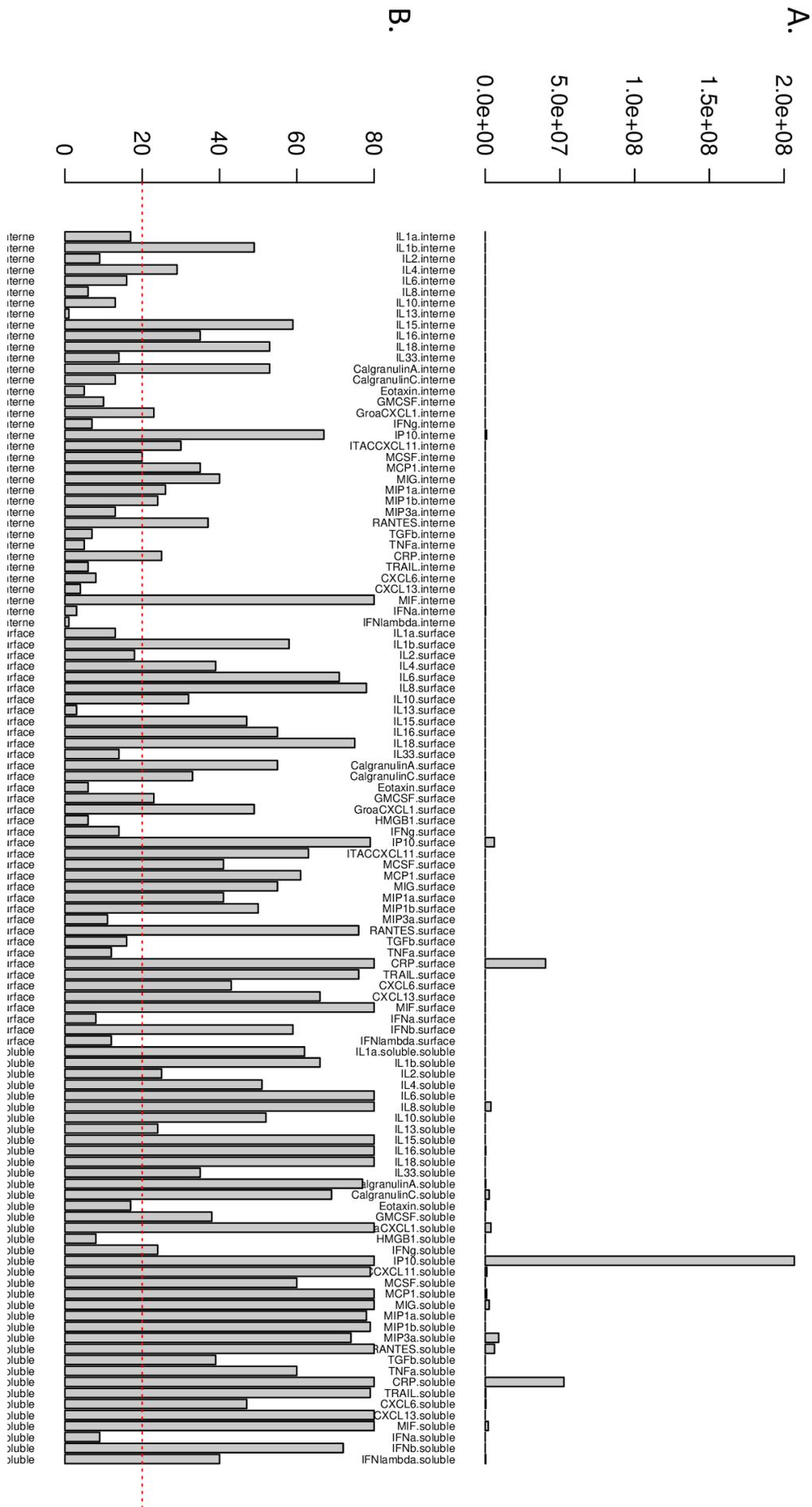


Figure S2. Data dimension reduction based on principal component analysis (PCA): cu-mulative variance explained by cellular classes are provided. (A) Internal cytokines. (B) Sur-face-linked cytokines. (C) Soluble cytokines. (D) Overall cytokines.

