

Table 25: Cytokine raw data and calculated data for mCorVAC#15, part 5 of 6 (SP)

Acquired MFI values (MFI) were converted into concentrations by ProcartaPlex Analysis software (C_{calc}). Final concentrations (C_{fin}) meet the following criteria: Values below the lower limit of quantification (<LLOQ, blue) are set to zero. Values above the upper limit of quantification (>ULOQ, red) are set to the ULOQ LN, lymph node. Commas are used as decimal separators. Thousand were not separated by commas. Gr, group. M, mouse ID. PMAIono, PMA and Ionomycin (positive control).

Sample ID	Gr	M	Restimulation	Tissue	IFN-gamma			IL-12p70			IL-13			IL-1beta			IL-2		
					MFI	C_{calc} [pg/mL]	C_{fin} [pg/mL]	MFI	C_{calc} [pg/mL]	C_{fin} [pg/mL]	MFI	C_{calc} [pg/mL]	C_{fin} [pg/mL]	MFI	C_{calc} [pg/mL]	C_{fin} [pg/mL]	MFI	C_{calc} [pg/mL]	C_{fin} [pg/mL]
53	2	1	Medium	LN	39,5	0,31	0	10	<=0	0	22	<=0	0	6	<=0	0	269	5,13	5,13
54	2	2	Medium	LN	44	0,33	0	10	<=0	0	22	<=0	0	7	0,08	0	432,5	8,34	8,34
55	2	3	Medium	LN	28	0,25	0	9	<=0	0	14	<=0	0	6	<=0	0	234,5	4,45	4,45
56	3	1	Medium	LN	62,5	0,43	0	9	<=0	0	16	<=0	0	6	<=0	0	355	6,81	6,81
57	3	3	Medium	LN	235	1,63	1,63	9	<=0	0	20	<=0	0	7	0,08	0	166	3,12	3,12
61	3	4	Medium	LN	68	0,47	0	9	<=0	0	14	<=0	0	8	0,1	0	204	3,86	3,86
62	3	5	Medium	LN	457	3,68	3,68	12	<=0	0	18	<=0	0	7	0,08	0	786	15,48	15,48
63	3	7	Medium	LN	57	0,40	0	9	<=0	0	17	<=0	0	7	0,08	0	157,5	2,95	2,95
64	3	8	Medium	LN	99	0,65	0	8,5	<=0	0	19	<=0	0	6	<=0	0	782	15,39	15,39
69	2	1	S peptide	LN	561,5	4,81	4,81	11	<=0	0	33	0,26	0	6	<=0	0	208,5	3,95	3,95
70	2	2	S peptide	LN	1013	10,70	10,70	14	<=0	0	118	3,88	3,88	7	0,08	0	1873,5	40,01	40,01
71	2	3	S peptide	LN	938,5	9,61	9,61	12	<=0	0	53	1,07	0	7	0,08	0	436	8,41	8,41
72	3	1	S peptide	LN	678	6,17	6,17	12	<=0	0	31	0,18	0	8	0,1	0	703	13,77	13,77
73	3	3	S peptide	LN	916	9,30	9,30	11,5	<=0	0	40	0,54	0	7	0,08	0	331	6,34	6,34
77	3	4	S peptide	LN	1924	27,51	27,51	14	<=0	0	43	0,66	0	7	0,08	0	723,5	14,19	14,19
78	3	5	S peptide	LN	1095	11,94	11,94	13,5	<=0	0	34,5	0,32	0	7	0,08	0	367	7,04	7,04
79	3	7	S peptide	LN	1686	22,46	22,46	13	<=0	0	51	0,98	0	6	<=0	0	701	13,73	13,73
80	3	8	S peptide	LN	564	4,83	4,83	10	<=0	0	19,5	<=0	0	6	<=0	0	658,5	12,86	12,86
74	2	1	PMA Iono	LN	4496,5	121,48	121,48	294	3,17	3,17	6532	662,77	662,77	59	1,24	1,24	17418	5,85E+07	5250
75	2	3	PMA Iono	LN	4808,5	139,72	139,72	406	4,88	4,88	8767	1352,13	1352,13	66	1,41	1,41	19327	5,85E+07	5250
76	2	7	PMA Iono	LN	3138,5	61,57	61,57	258	2,63	2,63	8778	1357,23	1357,23	51	1,04	1,04	16182	3,09E+05	5250
81	3	3	PMA Iono	LN	2999	56,86	56,86	232	2,25	2,25	6309,5	618,58	618,58	51	1,04	1,04	16058,5	1,54E+05	5250
65	3	4	PMA Iono	LN	3287	66,84	66,84	248	2,49	2,49	8188,5	1114,99	1114,99	57	1,19	1,19	17501	5,85E+07	5250
1	3	7	PMA Iono	LN	3505	75,08	75,08	281	2,98	2,98	7593,5	921,89	921,89	66,5	1,42	1,42	16859,50	5,85E+07	5250

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Table 26: Cytokine raw data and calculated data for mCorVAC#15, part 6 of 6 (LN)

Acquired MFI values (MFI) were converted into concentrations by ProcartaPlex Analysis software (c_{calc}). Final concentrations (c_{fin}) meet the following criteria: Values below the lower limit of quantification (<LLOQ, blue) are set to zero. Values above the upper limit of quantification (>ULOQ, red) are set to the ULOQ. Commas are used as decimal separators. Thousand were not separated by commas. LN, lymph node. Gr, group. M, mouse ID. PMAIono, PMA and Ionomycin (positive control).

Sample ID	Gr	M	Restimulation	Tissue	IL-4			IL-5			IL-6			TNF-alpha			GM-CSF			IL-18		
					MFI	c _{calc} [pg/mL]	c _{fin} [pg/mL]	MFI	c _{calc} [pg/mL]	c _{fin} [pg/mL]	MFI	c _{calc} [pg/mL]	c _{fin} [pg/mL]	MFI	c _{calc} [pg/mL]	c _{fin} [pg/mL]	MFI	c _{calc} [pg/mL]	c _{fin} [pg/mL]	MFI	c _{calc} [pg/mL]	c _{fin} [pg/mL]
53	2	1	Medium	LN	9	<=0	0	25	0.27	0	12	0.99	0	28	0.66	0	9	0.31	0	15	<=0	0
54	2	2	Medium	LN	7	<=0	0	32.5	0.57	0	15	1.43	0	21	0.46	0	7	0.24	0	14	<=0	0
55	2	3	Medium	LN	6.5	<=0	0	19	0.05	0	11	0.85	0	21	0.46	0	7	0.24	0	13	<=0	0
56	3	1	Medium	LN	7	<=0	0	10	<=0	0	12	0.99	0	22	0.49	0	7	0.24	0	15	<=0	0
57	3	3	Medium	LN	10	<=0	0	20	0.08	0	13	1.13	0	29	0.69	0	10	0.35	0	26	18.22	0
61	3	4	Medium	LN	9	<=0	0	13	<=0	0	14	1.28	0	33	0.81	0	6	<=0	0	14	<=0	0
62	3	5	Medium	LN	15	<=0	0	10	<=0	0	12	0.99	0	26	0.60	0	8	0.27	0	41.5	49.42	0
63	3	7	Medium	LN	13	<=0	0	14	<=0	0	15	1.43	0	29	0.69	0	6	<=0	0	14.5	<=0	0
64	3	8	Medium	LN	12	<=0	0	15	<=0	0	15	1.43	0	26	0.60	0	7	0.24	0	17	<=0	0
69	2	1	S pep ide	LN	12.5	<=0	0	30	0.47	0	13	1.13	0	34	0.84	0	11	0.39	0	52.5	70.27	70.27
70	2	2	S pep ide	LN	46.5	<=0	0	215	9.08	9.08	23	2.68	0	46.5	1.22	0	47	1.64	0	83.5	126.35	126.35
71	2	3	S pep ide	LN	11	<=0	0	96.5	3.38	3.38	15	1.43	0	33	0.81	0	20	0.71	0	82	123.69	123.69
72	3	1	S pep ide	LN	32	<=0	0	20	0.08	0	14	1.28	0	31	0.75	0	17	0.60	0	66.5	95.97	95.97
73	3	3	S pep ide	LN	25	<=0	0	16	<=0	0	13	1.13	0	30.5	0.74	0	17.5	0.62	0	76	113.04	113.04
77	3	4	S pep ide	LN	44.5	<=0	0	15	<=0	0	21	2.36	0	54	1.45	0	31	1.09	0	156	250.44	250.44
78	3	5	S pep ide	LN	54	<=0	0	18	0.01	0	15	1.43	0	40	1.02	0	21	0.75	0	91	139.53	139.53
79	3	7	S pep ide	LN	49.5	<=0	0	27.5	0.37	0	18.5	1.96	0	45	1.17	0	26	0.92	0	136.5	217.66	217.66
80	3	8	S pep ide	LN	20	<=0	0	14	<=0	0	15	1.43	0	26	0.60	0	11	0.39	0	52	69.33	69.33
74	2	1	PMA Iono	LN	1662	41.64	41.64	8746	1353.47	1353.47	359.5	78.50	78.50	5696	1732.84	731.2	3332.5	133.64	133.64	1848	3265.35	3265.35
75	2	3	PMA Iono	LN	1720	43.64	43.64	11982	3124.01	3124.01	383	84.61	84.61	6322.5	1732.84	731.2	3394	137.20	137.20	1879.5	3332.84	3332.84
76	2	7	PMA Iono	LN	1056.5	22.63	22.63	10201	1974.51	1974.51	569	135.52	135.52	5226	962.86	731.2	1981	68.61	68.61	1547	2649.93	2649.93
81	3	3	PMA Iono	LN	737	14.00	14.00	7712	1027.35	1027.35	257.5	52.91	52.91	4908	592.68	592.68	3682	154.80	154.80	1503	2564.06	2564.06
65	3	4	PMA Iono	LN	853	17.02	17.02	7043.5	854.66	854.66	435	98.41	98.41	5309	1469.86	731.2	5271.5	293.18	293.18	1475.5	2510.88	2510.88
1	3	7	PMA Iono	LN	943.5	19.47	19.47	7862	1069.89	1069.89	491	113.65	113.65	5508.5	1732.84	731.2	4949	257.31	257.31	1666	2887.17	2887.17

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Table 27: Cytokine raw data and calculated data for mCorVAC#16, part 1 of 6 (SP)

Acquired MFI values (MFI) were converted into concentrations by ProcartaPlex Analysis software (c_{calc}). Final concentrations (c_{fin}) meet the following criteria: Values below the lower limit of quantification (<LLOQ, blue) are set to zero. Values above the upper limit of quantification (>ULOQ, red) are set to the ULOQ. Commas are used as decimal separators. Thousand were not separated by commas. Gr, group. M, mouse ID. SP, spleen.

Plate	Sample ID	Gr	M	Restimulation	Tissue	IFN-gamma			IL-12p70			IL-13			IL-1beta			IL-2		
						MFI	c_{calc} [pg/mL]	c_{fin} [pg/mL]	MFI	c_{calc} [pg/mL]	c_{fin} [pg/mL]	MFI	c_{calc} [pg/mL]	c_{fin} [pg/mL]	MFI	c_{calc} [pg/mL]	c_{fin} [pg/mL]	MFI	c_{calc} [pg/mL]	c_{fin} [pg/mL]
1	1	1	1	Medium	SP	98,5	2,06	2,06	13	<=0	0	35	2,39	2,39	23	1,64	1,64	971,5	59,72	59,72
1	2	1	2	Medium	SP	20	0,17	0	10	<=0	0	24	0,70	0	17	0,94	0	106	9,49	9,49
1	3	1	3	Medium	SP	76,5	1,50	1,50	13	<=0	0	41	3,25	3,25	16	0,82	0	646,5	42,56	42,56
1	4	1	4	Medium	SP	78	1,54	1,54	11	<=0	0	29	1,49	0	22	1,53	1,53	692,5	45,05	45,05
1	5	1	5	Medium	SP	26	0,30	0	9	<=0	0	23	0,53	0	18	1,06	1,06	404,5	28,98	28,98
1	6	1	6	Medium	SP	236	5,80	5,80	13	<=0	0	42	3,40	3,40	18	1,06	1,06	354	25,99	25,99
1	7	1	7	Medium	SP	259,5	6,47	6,47	13	<=0	0	28	1,34	0	18,5	1,12	1,12	426	30,24	30,24
1	8	1	8	Medium	SP	53	0,92	0	15	<=0	0	23	0,53	0	20	1,30	1,30	776	49,50	49,50
1	9	2	1	Medium	SP	44	0,71	0	10	<=0	0	24	0,70	0	15	0,69	0	245	19,22	19,22
1	10	2	2	Medium	SP	275	6,91	6,91	17	<=0	0	59	5,72	5,72	16	0,82	0	955	58,87	58,87
1	11	2	3	Medium	SP	161	3,71	3,71	26,5	0,5	0	95	10,38	10,38	19	1,18	1,18	848	53,29	53,29
1	12	2	4	Medium	SP	228	5,57	5,57	17	<=0	0	52	4,78	4,78	16	0,82	0	773	49,34	49,34
1	13	2	5	Medium	SP	1728	57,82	57,82	27	0,53	0	93	10,12	10,12	18	1,06	1,06	1119,5	67,33	67,33
1	14	2	6	Medium	SP	54	0,95	0	12	<=0	0	22	0,35	0	17	0,94	0	226,5	18,02	18,02
1	15	2	7	Medium	SP	128,5	2,84	2,84	13	<=0	0	47	4,09	4,09	15	0,69	0	953,5	58,79	58,79
1	16	2	8	Medium	SP	2259,5	80,30	80,30	27,5	0,55	0	68	6,91	6,91	20	1,30	1,30	1375,5	80,35	80,35
1	17	3	1	Medium	SP	79	1,56	1,56	10	<=0	0	27	1,18	0	18	1,06	1,06	132	11,47	11,47
1	18	3	2	Medium	SP	79	1,56	1,56	12	<=0	0	29	1,49	0	19	1,18	1,18	296	22,45	22,45
1	19	3	3	Medium	SP	84,5	1,70	1,70	11	<=0	0	25	0,86	0	23	1,64	1,64	142,5	12,24	12,24
1	20	3	4	Medium	SP	919,5	27,52	27,52	22	0,27	0	80	8,47	8,47	22	1,53	1,53	956,5	58,95	58,95
1	21	3	5	Medium	SP	322,5	8,30	8,30	16	<=0	0	60	5,86	5,86	33	2,72	2,72	869	54,39	54,39
1	22	3	6	Medium	SP	130	2,88	2,88	12,5	<=0	0	44	3,68	3,68	19,5	1,24	1,24	374	27,18	27,18
1	23	3	7	Medium	SP	108,5	2,32	2,32	12	<=0	0	32,5	2,02	0	22	1,53	1,53	189,5	15,54	15,54
1	24	3	8	Medium	SP	168	3,90	3,90	13	<=0	0	39,5	3,04	3,04	17	0,94	0	1218	72,35	72,35

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Table 28: Cytokine raw data and calculated data for mCorVAC#16, part 2 of 6 (SP)

Acquired MFI values (MFI) were converted into concentrations by ProcartaPlex Analysis software (c_{calc}). Final concentrations (c_{fin}) meet the following criteria: Values below the lower limit of quantification (<LLOQ, blue) are set to zero. Values above the upper limit of quantification (>ULOQ, red) are set to the ULOQ. Commas are used as decimal separators. Thousand were not separated by commas. Gr, group. M, mouse ID. SP, spleen.

Sample ID	Gr	M	Restimulation	Tissue	IL-4			IL-5			IL-6			TNF-alpha			GM-CSF			IL-18		
					MFI	c _{calc} [pg/mL]	c _{fin} [pg/mL]	MFI	c _{calc} [pg/mL]	c _{fin} [pg/mL]	MFI	c _{calc} [pg/mL]	c _{fin} [pg/mL]	MFI	c _{calc} [pg/mL]	c _{fin} [pg/mL]	MFI	c _{calc} [pg/mL]	c _{fin} [pg/mL]	MFI	c _{calc} [pg/mL]	c _{fin} [pg/mL]
1	1	1	Medium	SP	106,5	5,5	5,5	10	<=0	0	48	26,82	26,82	49	5,51	5,51	7	<=0	0	21	<=0	0
2	1	2	Medium	SP	21,5	0,8	0	11	<=0	0	18	5,99	5,99	26	2,49	0	5	<=0	0	13	<=0	0
3	1	3	Medium	SP	91	4,7	4,7	12	<=0	0	43,5	23,94	23,94	34	3,61	3,61	8	<=0	0	17	<=0	0
4	1	4	Medium	SP	83	4,2	4,2	11	<=0	0	43	23,61	23,61	44	4,90	4,90	8	<=0	0	17	<=0	0
5	1	5	Medium	SP	23	0,9	0	11	<=0	0	29	14,20	14,20	26,5	2,57	0	5,5	<=0	0	14	<=0	0
6	1	6	Medium	SP	429	22,0	22,0	19	0,2	0	129,5	73,96	73,96	41	4,52	4,52	7	<=0	0	29	114,63	0
7	1	7	Medium	SP	63	3,2	3,2	10	<=0	0	30	14,90	14,90	38	4,14	4,14	8	<=0	0	32	144,62	0
8	1	8	Medium	SP	50	2,4	2,4	9	<=0	0	185	103,35	103,35	652,5	56,48	56,48	7	<=0	0	16,5	<=0	0
9	2	1	Medium	SP	86,5	4,4	4,4	12	<=0	0	34	17,65	17,65	32	3,34	3,34	7	<=0	0	13	<=0	0
10	2	2	Medium	SP	487,5	24,9	24,9	12	<=0	0	122	69,87	69,87	77	8,68	8,68	19	4,13	0	38,5	202,86	202,86
11	2	3	Medium	SP	1087,5	55,5	55,5	12	<=0	0	297	159,65	159,65	69	7,81	7,81	14	2,36	0	29	114,63	0
12	2	4	Medium	SP	458	23,4	23,4	28	2,39	0	128	73,14	73,14	57	6,45	6,45	8	<=0	0	27	92,89	0
13	2	5	Medium	SP	1096	55,9	55,9	15	<=0	0	292,5	157,45	157,45	67	7,59	7,59	19,5	4,29	0	162	929,78	929,78
14	2	6	Medium	SP	206,5	10,7	10,7	14	<=0	0	60,5	34,59	34,59	34	3,61	3,61	6	<=0	0	14	<=0	0
15	2	7	Medium	SP	294,5	15,2	15,2	9	<=0	0	105	60,46	60,46	51,5	5,81	5,81	11	0,87	0	21,5	14,31	0
16	2	8	Medium	SP	395	20,3	20,3	12	<=0	0	163	91,86	91,86	529	47,07	47,07	17	3,48	0	198	1098,85	1098,85
17	3	1	Medium	SP	69,5	3,5	3,5	10	<=0	0	33	16,97	16,97	32	3,34	3,34	7	<=0	0	16	<=0	0
18	3	2	Medium	SP	114	5,9	5,9	13	<=0	0	39	21,00	21,00	37	4,01	4,01	7	<=0	0	17	<=0	0
19	3	3	Medium	SP	63	3,2	3,2	12	<=0	0	34,5	17,99	17,99	37	4,01	4,01	8	<=0	0	18	<=0	0
20	3	4	Medium	SP	608,5	31,0	31,0	12	<=0	0	174	97,63	97,63	64	7,25	7,25	18	3,81	0	78	479,51	479,51
21	3	5	Medium	SP	345	17,7	17,7	14	<=0	0	122	69,87	69,87	51	5,75	5,75	10	<=0	0	34	163,35	0
22	3	6	Medium	SP	219	11,3	11,3	9	<=0	0	92	53,11	53,11	36	3,88	3,88	8	<=0	0	21	<=0	0
23	3	7	Medium	SP	211,5	11,0	11,0	17	<=0	0	69,5	40,01	40,01	41	4,52	4,52	9	<=0	0	20	<=0	0
24	3	8	Medium	SP	144	7,5	7,5	14	<=0	0	47	26,18	26,18	41	4,52	4,52	8	<=0	0	23,5	48,81	0

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Table 29: Cytokine raw data and calculated data for mCorVAC#16, part 3 of 6 (SP)

Acquired MFI values (MFI) were converted into concentrations by ProcartaPlex Analysis software (c_{calc}). Final concentrations (c_{fin}) meet the following criteria: Values below the lower limit of quantification (<LLOQ, blue) are set to zero. Values above the upper limit of quantification (>ULOQ, red) are set to the ULOQ. Gr, group. M, mouse ID. PMAIono, PMA and Ionomycin (positive control). SP, spleen.

Plate	Sample ID	Gr	M	Restimulation	Tissue	IFN-gamma			IL-12p70			IL-13			IL-1beta			IL-2		
						MFI	c _{calc} [pg/mL]	c _{fin} [pg/mL]	MFI	c _{calc} [pg/mL]	c _{fin} [pg/mL]	MFI	c _{calc} [pg/mL]	c _{fin} [pg/mL]	MFI	c _{calc} [pg/mL]	c _{fin} [pg/mL]	MFI	c _{calc} [pg/mL]	c _{fin} [pg/mL]
1	25	1	1	S peptide	SP	60,5	1,10	1,10	10	<=0	0	24	0,70	0	19	1,18	1,18	346	25,51	25,51
1	26	1	2	S peptide	SP	70	1,34	1,34	10	<=0	0	24	0,70	0	16	0,82	0	101	9,10	9,10
1	27	1	3	S peptide	SP	53	0,92	0	9,5	<=0	0	21	0,17	0	14	0,56	0	122,5	10,76	10,76
1	28	1	4	S peptide	SP	182,5	4,30	4,30	12	<=0	0	27	1,18	0	20,5	1,36	1,36	348	25,63	25,63
1	29	1	5	S peptide	SP	46	0,75	0	14	<=0	0	31	1,80	0	15,5	0,76	0	151	12,85	12,85
1	30	1	6	S peptide	SP	781,5	22,82	22,82	17,5	0,03	0	66,5	6,72	6,72	19	1,18	1,18	697	45,29	45,29
1	31	1	7	S peptide	SP	276	6,94	6,94	12	<=0	0	23	0,53	0	18	1,06	1,06	331	24,60	24,60
1	32	1	8	S peptide	SP	248,5	6,15	6,15	14	<=0	0	29	1,49	0	25	1,87	1,87	351	25,81	25,81
1	33	2	1	S peptide	SP	13171	5808,01	4800	174	7,19	7,19	3368	382,28	382,28	48	4,21	4,21	1871	105,49	105,49
1	34	2	2	S peptide	SP	14077	5808,01	4800	184,5	7,65	7,65	5418	676,64	676,64	65	5,80	5,80	3257	179,56	179,56
1	35	2	3	S peptide	SP	15533	5808,01	4800	210	8,78	8,78	4642	555,60	555,60	97	8,64	8,64	1595	91,47	91,47
1	36	2	4	S peptide	SP	13978	5808,01	4800	180	7,45	7,45	4989,5	608,07	608,07	58	5,16	5,16	2848	156,78	156,78
1	37	2	5	S peptide	SP	13461	5808,01	4800	164	6,75	6,75	3984,5	462,82	462,82	52	4,59	4,59	2266,5	125,84	125,84
1	38	2	6	S peptide	SP	13336,5	5808,01	4800	169	6,97	6,97	4404	521,10	521,10	61	5,44	5,44	2555	141,01	141,01
1	39	2	7	S peptide	SP	12383	5808,01	4800	170	7,01	7,01	5234	646,64	646,64	52	4,59	4,59	2893,5	159,27	159,27
1	40	2	8	S peptide	SP	17133	5808,01	4800	236	9,93	9,93	4725	567,90	567,90	89,5	7,99	7,99	1762	99,94	99,94
1	41	3	1	S peptide	SP	13734	5808,01	4800	121,5	4,86	4,86	505	57,29	57,29	58	5,16	5,16	1366	79,87	79,87
1	42	3	2	S peptide	SP	13464	5808,01	4800	119	4,75	4,75	653	73,40	73,40	54	4,78	4,78	1191	70,98	70,98
1	43	3	3	S peptide	SP	13090,5	5808,01	4800	112	4,44	4,44	610	68,74	68,74	59	5,25	5,25	954	58,82	58,82
1	44	3	4	S peptide	SP	15944	5808,01	4800	159	6,53	6,53	1533	168,50	168,50	76	6,80	6,80	2185	121,61	121,61
1	45	3	5	S peptide	SP	14532,5	5808,01	4800	152	6,22	6,22	2293,5	253,39	253,39	87	7,77	7,77	1549	89,14	89,14
1	46	3	6	S peptide	SP	15439	5808,01	4800	151	6,17	6,17	891	99,08	99,08	61	5,44	5,44	2981	164,08	164,08
1	47	3	7	S peptide	SP	13213,5	5808,01	4800	124	4,98	4,98	1358	149,45	149,45	58	5,16	5,16	1839,5	103,88	103,88
1	48	3	8	S peptide	SP	13278	5808,01	4800	104	4,08	4,08	414	47,28	47,28	53	4,69	4,69	1581	90,76	90,76
1	49	1	1	PMA Iono	SP	4486	201,33	201,33	350	15,01	15,01	9735	1951,80	1951,80	97	8,64	8,64	16018	5,7E+04	1312,5
1	50	1	2	PMA Iono	SP	4369,5	193,67	193,67	399,5	17,25	17,25	11225	4223,94	2162,5	108	9,58	9,58	15895	5,7E+04	1312,5
1	51	1	3	PMA Iono	SP	4254	186,26	186,26	389	16,77	16,77	10268	2346,54	2162,5	104	9,24	9,24	15356	5,7E+04	1312,5
1	52	2	1	PMA Iono	SP	4815	223,94	223,94	348	14,92	14,92	11244	4327,85	2162,5	134,5	11,80	11,80	16167	5,7E+04	1312,5
1	53	2	2	PMA Iono	SP	6032	323,14	323,14	271	11,48	11,48	11185	4031,79	2162,5	99	8,81	8,81	15750,5	5,7E+04	1312,5
1	54	2	3	PMA Iono	SP	5693	292,66	292,66	281,5	11,94	11,94	10321	2395,89	2162,5	111	9,84	9,84	13797	5,7E+04	1312,5
1	55	3	1	PMA Iono	SP	4782,5	221,64	221,64	403,5	17,43	17,43	11140	3848,56	2162,5	120	10,60	10,60	16203,5	5,7E+04	1312,5
1	56	3	2	PMA Iono	SP	5422	270,00	270,00	323	13,80	13,8	10867	3124,27	2162,5	103	9,16	9,16	15723	5,7E+04	1312,5
1	57	3	3	PMA Iono	SP	5531	278,95	278,95	261,5	11,06	11,06	9846	2022,03	2022,03	98	8,73	8,73	14422	5,7E+04	1312,5

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Table 30: Cytokine raw data and calculated data for mCorVAC#16, part 4 of 6 (SP)

Acquired MFI values (MFI) were converted into concentrations by ProcartaPlex Analysis software (c_{calc}). Final concentrations (c_{fin}) meet the following criteria: Values below the lower limit of quantification (<LLOQ, blue) are set to zero. Values above the upper limit of quantification (>ULOQ, red) are set to the ULOQ. Commas are used as decimal separators. Thousand were not separated by commas. Gr, group. M, mouse ID. PMAIono, PMA and Ionomycin (positive control). SP, spleen.

Sample ID	Gr	M	Restimulation	Tissue	IL-4			IL-5			IL-6			TNF-alpha			GM-CSF			IL-18		
					MFI	C _{calc} [pg/mL]	C _{fin} [pg/mL]	MFI	C _{calc} [pg/mL]	C _{fin} [pg/mL]	MFI	C _{calc} [pg/mL]	C _{fin} [pg/mL]	MFI	C _{calc} [pg/mL]	C _{fin} [pg/mL]	MFI	C _{calc} [pg/mL]	C _{fin} [pg/mL]	MFI	C _{calc} [pg/mL]	C _{fin} [pg/mL]
25	1	1	S pep ide	SP	47	2,3	2,3	9	<=0	0	41	22,31	22,31	52	5,87	5,87	7	<=0	0	15	<=0	0
26	1	2	S pep ide	SP	68	3,4	3,4	11,5	<=0	0	32	16,29	16,29	32	3,34	3,34	8	<=0	0	16	<=0	0
27	1	3	S pep ide	SP	58	2,9	2,9	10	<=0	0	37	19,67	19,67	28,5	2,86	2,86	6	<=0	0	14	<=0	0
28	1	4	S pep ide	SP	121	6,3	6,3	9	<=0	0	65,5	37,61	37,61	44	4,90	4,90	8	<=0	0	25	69,01	0
29	1	5	S pep ide	SP	320	16,5	16,5	9	<=0	0	89,5	51,68	51,68	33	3,48	3,48	7	<=0	0	16	<=0	0
30	1	6	S pep ide	SP	545	27,8	27,8	14	<=0	0	183	102,32	102,32	53	5,99	5,99	15	2,76	0	71	435,82	435,82
31	1	7	S pep ide	SP	167	8,7	8,7	10	<=0	0	50	28,08	28,08	38	4,14	4,14	7	<=0	0	30	124,92	0
32	1	8	S pep ide	SP	171	8,9	8,9	9,5	<=0	0	69	39,71	39,71	245,5	24,38	24,38	10	<=0	0	35	172,42	0
33	2	1	S pep ide	SP	3097	175,0	175,0	80,5	11,50	11,5	1939	921,39	921,39	748,5	63,72	63,72	1357	133,31	133,31	1730	6283,48	6283,48
34	2	2	S pep ide	SP	2500	135,8	135,8	178,5	25,53	25,53	1790	850,48	850,48	719	61,50	61,50	1401	136,55	136,55	2007,5	7154,03	7154,03
35	2	3	S pep ide	SP	2530	137,7	137,7	120,5	17,47	17,47	2662	1280,76	1280,76	882	73,74	73,74	2013	180,57	180,57	2382	8351,97	8351,97
36	2	4	S pep ide	SP	2212,5	118,2	118,2	321	43,79	43,79	1915,5	910,15	910,15	694	59,61	59,61	1559	148,08	148,08	1846,5	6647,80	6647,80
37	2	5	S pep ide	SP	2365,5	127,5	127,5	271	37,56	37,56	2038	969,03	969,03	601,5	52,61	52,61	840	93,57	93,57	1806	6521,00	6521,00
38	2	6	S pep ide	SP	1640	85,2	85,2	146,5	21,15	21,15	1583,5	753,58	753,58	830	69,84	69,84	1562,5	148,33	148,33	1889,5	6782,64	6782,64
39	2	7	S pep ide	SP	2880	160,3	160,3	200	28,40	28,4	2046	972,90	972,90	827	69,61	69,61	1447	139,92	139,92	1678,5	6122,76	6122,76
40	2	8	S pep ide	SP	1653	85,9	85,9	87,5	12,58	12,58	2760,5	1332,05	1332,05	2128,5	173,56	173,56	2153,5	190,53	190,53	2511	8773,84	8773,84
41	3	1	S pep ide	SP	919	46,8	46,8	24	1,52	0	620	312,22	312,22	657	56,82	56,82	460	60,65	60,65	1982	7073,58	7073,58
42	3	2	S pep ide	SP	839,5	42,7	42,7	29	2,60	0	488,5	251,16	251,16	680	58,56	58,56	509	65,21	65,21	1791	6474,08	6474,08
43	3	3	S pep ide	SP	477	24,4	24,4	133	19,26	19,26	334	177,69	177,69	551,5	48,80	48,80	368	51,71	51,71	1829,5	6594,56	6594,56
44	3	4	S pep ide	SP	787,5	40,0	40,0	40	4,74	0	786	388,32	388,32	1065	87,50	87,50	1142	117,21	117,21	2457,5	8598,20	8598,20
45	3	5	S pep ide	SP	1429	73,6	73,6	71	10,01	10,01	1561	743,11	743,11	803	67,81	67,81	860	95,18	95,18	2058	7313,69	7313,69
46	3	6	S pep ide	SP	668,5	34,0	34,0	60	8,22	8,22	624	314,07	314,07	1027	84,63	84,63	954	102,67	102,67	2260	7957,81	7957,81
47	3	7	S pep ide	SP	825	42,0	42,0	78	11,11	11,11	494	253,73	253,73	587	51,51	51,51	656	78,24	78,24	1859,5	6688,55	6688,55
48	3	8	S pep ide	SP	454	23,2	23,2	34	3,60	0	294	158,18	158,18	631,5	54,89	54,89	393	54,19	54,19	1951	6975,93	6975,93
49	1	1	PMA Iono	SP	2056	108,9	108,9	6519,5	872,65	872,65	3366	1662,56	1662,56	5721	4142,40	731,2	5495	461,34	461,34	1671	6099,37	6099,37
50	1	2	PMA Iono	SP	3480	202,3	202,3	9358,5	1609,56	1609,56	4770	2563,19	2563,19	5510,5	1256,15	731,2	5864	502,13	502,13	1411	5288,61	5288,61
51	1	3	PMA Iono	SP	1521	78,6	78,6	7790,5	1147,31	1147,31	4659	2483,32	2483,32	5649,5	1891,68	731,2	5892,5	505,47	505,47	1638	5996,47	5996,47
52	2	1	PMA Iono	SP	1759	91,8	91,8	4315,5	516,09	516,09	4106	2109,67	2109,67	5675	2216,16	731,2	6114	532,52	532,52	1684	6139,92	6139,92
53	2	2	PMA Iono	SP	1338	68,7	68,7	5758	735,82	735,82	3354	1655,73	1655,73	5067	752,98	731,2	6086	528,98	528,98	1184	4576,36	4576,36
54	2	3	PMA Iono	SP	1183	60,5	60,5	5530,5	698,08	698,08	3337	1646,08	1646,08	4612	557,74	557,74	5094	421,22	421,22	1063	4192,38	4192,38
55	3	1	PMA Iono	SP	1795,5	93,9	93,9	10589	2139,77	2000	4271	2217,20	2217,20	6012	4142,40	731,2	5849	500,39	500,39	1660,5	6066,62	6066,62
56	3	2	PMA Iono	SP	870	44,2	44,2	11204,5	2499,94	2000	3363,5	1661,14	1661,14	5047	741,29	731,2	5963	513,87	513,87	1215,5	4675,72	4675,72
57	3	3	PMA Iono	SP	1056,5	53,9	53,9	8771	1415,41	1415,41	2883	1396,74	1396,74	4732	598,42	598,42	4594	375,76	375,76	1068	4208,33	4208,33

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Table 31: Cytokine raw data and calculated data for mCorVAC#16, part 5 of 6 (LN)

Acquired MFI values (MFI) were converted into concentrations by ProcartaPlex Analysis software (c_{calc}). Final concentrations (c_{fin}) meet the following criteria: Values below the lower limit of quantification (<LLOQ, blue) are set to zero. Values above the upper limit of quantification (>ULOQ, red) are set to the ULOQ. Commas are used as decimal separators. Thousand were not separated by commas. LN, lymph node. Gr, group. M, mouse ID. PMAIono, PMA and Ionomycin (positive control).

Plate	Sample ID	Gr	M	Restimulat ion	Tissue	IFN-gamma			IL-12p70			IL-13			IL-1beta			IL-2		
						MFI	C _{calc} [pg/mL]	C _{fin} [pg/mL]	MFI	C _{calc} [pg/mL]	C _{fin} [pg/mL]	MFI	C _{calc} [pg/mL]	C _{fin} [pg/mL]	MFI	C _{calc} [pg/mL]	C _{fin} [pg/mL]	MFI	C _{calc} [pg/mL]	C _{fin} [pg/mL]
2	1	1	2	Medium	LN	30	0,06	0	10	<=0	0	32,5	2,58	2,58	6	0,27	0	172	14,15	14,15
2	2	1	3	Medium	LN	35,5	0,23	0	9	<=0	0	32	2,52	2,52	6	0,27	0	520	33,53	33,53
2	3	1	5	Medium	LN	32	0,12	0	10	<=0	0	29	2,18	2,18	7	0,40	0	51	5,29	5,29
2	7	2	1	Medium	LN	93	1,76	1,76	9	<=0	0	31	2,41	2,41	6	0,27	0	190	15,30	15,30
2	8	2	2	Medium	LN	159	3,37	3,37	10	<=0	0	24	1,60	0	7	0,40	0	275,5	20,43	20,43
2	9	2	3	Medium	LN	194	4,20	4,20	8	<=0	0	24	1,60	0	8	0,52	0	130	11,36	11,36
2	10	2	4	Medium	LN	427	9,61	9,61	11	<=0	0	33	2,63	2,63	7	0,40	0	247	18,76	18,76
2	11	2	5	Medium	LN	86	1,58	1,58	11	<=0	0	35	2,85	2,85	7	0,40	0	503	32,66	32,66
2	12	2	6	Medium	LN	106	2,08	2,08	10	<=0	0	63,5	5,86	5,86	7	0,40	0	693,5	42,09	42,09
2	13	2	7	Medium	LN	452,5	10,20	10,20	11	<=0	0	85	8,01	8,01	8	0,52	0	373	25,86	25,86
2	14	2	8	Medium	LN	275	6,10	6,10	11	<=0	0	43	3,73	3,73	7	0,40	0	407	27,68	27,68
2	4	3	1	Medium	LN	88	1,63	1,63	10	<=0	0	27	1,95	0	7	0,40	0	247	18,76	18,76
2	5	3	2	Medium	LN	118	2,38	2,38	9	<=0	0	27	1,95	0	6	0,27	0	227	17,57	17,57
2	6	3	5	Medium	LN	3862,5	112,04	112,04	28	0,72	0	65,5	6,06	6,06	21	1,83	1,83	722	43,46	43,46
2	15	1	2	S peptide	LN	27	<=0	0	9	<=0	0	30,5	2,35	2,35	6	0,27	0	144	12,31	12,31
2	16	1	3	S peptide	LN	24	<=0	0	9	<=0	0	24,5	1,66	0	6	0,27	0	42,5	4,52	4,52
2	17	1	5	S peptide	LN	38	0,30	0	9	<=0	0	23	1,48	0	6	0,27	0	39	4,19	4,19
2	21	2	1	S peptide	LN	6019	228,22	228,22	43	1,39	0	1158	98,84	98,84	13	1,06	1,06	3419	169,20	169,20
2	22	2	2	S peptide	LN	9299	625,33	625,33	71	2,57	2,57	1738	147,12	147,12	17	1,45	1,45	3274	161,90	161,90
2	23	2	3	S peptide	LN	12071	1686,02	1686,02	80	2,94	2,94	1253	106,68	106,68	25,5	2,23	2,23	2581	128,41	128,41
2	24	2	4	S peptide	LN	6145	237,22	237,22	45	1,47	0	1326	112,68	112,68	13	1,06	1,06	3027	149,72	149,72
2	25	2	5	S peptide	LN	5060	168,77	168,77	50	1,69	1,69	2139	181,51	181,51	12	0,96	0	3253	160,86	160,86
2	26	2	6	S peptide	LN	3496	97,61	97,61	28,5	0,74	0	672	58,84	58,84	10	0,74	0	2548	126,87	126,87
2	27	2	7	S peptide	LN	4729	151,42	151,42	42	1,34	0	3101	268,62	268,62	14	1,16	1,16	2190	110,32	110,32
2	28	2	8	S peptide	LN	7910	405,40	405,40	54	1,86	1,86	1622	137,39	137,39	19	1,64	1,64	2899,5	143,55	143,55
2	18	3	1	S peptide	LN	1803,5	43,49	43,49	13	<=0	0	41	3,51	3,51	7	0,40	0	701,5	42,47	42,47
2	19	3	2	S peptide	LN	3364,5	92,70	92,70	20	0,34	0	87	8,20	8,20	8	0,52	0	553,5	35,21	35,21
2	20	3	5	S peptide	LN	4311	131,42	131,42	27	0,67	0	138	13,06	13,06	33	2,87	2,87	1182,5	64,83	64,83
2	29	1	1	PMA Iono	LN	12326	1874,34	1874,34	196	7,52	7,52	5467	527,14	527,14	37	3,20	3,20	16127	8492,61	5250
2	30	2	1	PMA Iono	LN	12488	2008,41	2008,41	333	12,79	12,79	8110	953,50	953,50	65	5,36	5,36	18009	5,2E+05	5250
2	31	2	2	PMA Iono	LN	13892	3937,75	3937,75	232	8,91	8,91	7472	830,47	830,47	57,5	4,80	4,80	17831	1,5E+05	5250
2	32	3	1	PMA Iono	LN	13092,5	2635,94	2635,94	287	11,02	11,02	7797	891,10	891,10	65	5,36	5,36	18563	1,7E+07	5250

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Table 32: Cytokine raw data and calculated data for mCorVAC#16, part 6 of 6 (LN)

Acquired MFI values (MFI) were converted into concentrations by ProcartaPlex Analysis software (C_{calc}). Final concentrations (C_{fin}) meet the following criteria: Values below the lower limit of quantification (<LLOQ, blue) are set to zero. Values above the upper limit of quantification (>ULOQ, red) are set to the ULOQ. Commas are used as decimal separators. Thousand were not separated by commas. LN, lymph node. Gr, group. M, mouse ID. PMAIono, PMA and Ionomycin (positive control).

Sample ID	Gr	M	Restimulat ion	Tissue	MFI	IL-4		IL-5		IL-6		TNF-alpha		GM-CSF		IL-18						
						C_{calc} [pg/mL]	C_{fin} [pg/mL]	MFI	C_{calc} [pg/mL]	C_{fin} [pg/mL]	MFI	C_{calc} [pg/mL]	C_{fin} [pg/mL]	MFI	C_{calc} [pg/mL]	C_{fin} [pg/mL]	MFI	C_{calc} [pg/mL]	C_{fin} [pg/mL]			
1	1	2	Medium	LN	5	<=0	0	94	13,14	13,14	17	7,72	7,72	37,5	4,19	4,19	6	1,14	0	14	<=0	0
2	1	3	Medium	LN	6	0,23	0	67	9,43	9,43	15	6,36	6,36	32	3,57	3,57	5	<=0	0,00	13	<=0	0
3	1	5	Medium	LN	8	0,37	0	107,5	14,94	14,94	11	3,47	0	27	2,99	2,99	5	<=0	0,00	12	<=0	0
7	2	1	Medium	LN	17	0,95	0	44	6,09	6,09	15	6,36	6,36	28	3,11	3,11	7	1,50	0	18	<=0	0
8	2	2	Medium	LN	21	1,19	0	16	1,55	0	14	5,66	5,66	55	6,01	6,01	7	1,50	0	21	51,55	0
9	2	3	Medium	LN	11,5	0,61	0	12	0,77	0	17	7,72	7,72	32	3,57	3,57	6	1,14	0	22,5	70,19	0
10	2	4	Medium	LN	28	1,60	1,60	14	1,17	0	17	7,72	7,72	38	4,24	4,24	8	1,83	0	41	224,61	224,61
11	2	5	Medium	LN	33,5	1,90	1,90	39	5,33	5,33	17	7,72	7,72	47	5,20	5,20	7	1,50	0	19	19,32	0
12	2	6	Medium	LN	18,5	1,04	0	29	3,76	3,76	13	4,95	4,95	35,5	3,96	3,96	9	2,12	0	17	<=0	0,00
13	2	7	Medium	LN	23	1,31	1,31	126	17,36	17,36	16	7,04	7,04	48	5,30	5,30	16	3,78	3,78	42	231,36	231,36
14	2	8	Medium	LN	28	1,60	1,60	23	2,77	2,77	21	10,35	10,35	39	4,35	4,35	8	1,83	0	32	158,79	0
4	3	1	Medium	LN	6	0,23	0	33	4,40	4,40	11	3,47	0	25	2,74	0	5	<=0	0,00	18	<=0	0,00
5	3	2	Medium	LN	5	<=0	0,00	44	6,09	6,09	12	4,22	0	27	2,99	2,99	7	1,50	0	18	<=0	51750
6	3	5	Medium	LN	80	4,32	4,32	19	2,09	2,09	183	94,27	94,27	112	11,24	11,24	11	2,65	2,65	327	1366,33	1366,33
15	1	2	S peptide	LN	6	0,23	0	77	10,83	10,83	12	4,22	0	29	3,22	3,22	6	1,14	0	11	<=0	0,00
16	1	3	S peptide	LN	6,5	0,27	0	37	5,02	5,02	12	4,22	0	23	2,50	0	6	1,14	0	13	<=0	0,00
17	1	5	S peptide	LN	7	0,30	0	79	11,10	11,10	11	3,47	0	22,5	2,43	0	5	<=0	0,00	12	<=0	0,00
21	2	1	S peptide	LN	585	26,67	26,67	306	39,25	39,25	50,5	27,77	27,77	185	17,18	17,18	208,5	24,46	24,46	525	1945,60	1945,60
22	2	2	S peptide	LN	620	28,14	28,14	108	15,01	15,01	68,5	37,55	37,55	249	22,03	22,03	246,5	27,42	27,42	932	3012,15	3012,15
23	2	3	S peptide	LN	315	15,07	15,07	123,5	17,03	17,03	100	53,89	53,89	327,5	27,72	27,72	362	35,69	35,69	1379	4111,96	4111,96
24	2	4	S peptide	LN	722	32,50	32,50	124	17,10	17,10	51	28,04	28,04	190,5	17,61	17,61	326	33,21	33,21	566	2060,06	2060,06
25	2	5	S peptide	LN	676	30,52	30,52	838,5	98,03	98,03	41	22,40	22,40	242	21,51	21,51	333	33,69	33,69	466	1780,70	1780,70
26	2	6	S peptide	LN	374	17,63	17,63	172	23,18	23,18	35	18,92	18,92	114	11,41	11,41	176	21,79	21,79	304	1292,04	1292,04
27	2	7	S peptide	LN	388	18,23	18,23	3354,5	371,05	371,05	44	24,12	24,12	185,5	17,22	17,22	543	47,36	47,36	421	1650,50	1650,50
28	2	8	S peptide	LN	835	37,33	37,33	112	15,53	15,53	72	39,41	39,41	231,5	20,73	20,73	537	46,99	46,99	748	2542,37	2542,37
18	3	1	S peptide	LN	18	1,01	0	41	5,64	5,64	20	9,70	9,70	66	7,09	7,09	10	2,39	0	145	731,35	731,35
19	3	2	S peptide	LN	22	1,25	1,25	137	18,77	18,77	17	7,72	7,72	76	8,03	8,03	17	3,99	3,99	256	1136,68	1136,68
20	3	5	S peptide	LN	83	4,47	4,47	23	2,77	2,77	185	95,21	95,21	188	17,41	17,41	40	7,78	7,78	375	1513,77	1513,77
29	1	1	PMA Iono	LN	802	35,92	35,92	6819	837,42	837,42	951	425,96	425,96	5191,5	528,45	528,45	1086	78,50	78,50	1598	4645,82	4645,82
30	2	1	PMA Iono	LN	930	41,41	41,41	11126	1777,66	1777,66	1430	628,21	628,21	6317	924,47	731,2	4143,5	273,05	273,05	2253	6278,43	6278,43
31	2	2	PMA Iono	LN	494	22,76	22,76	7001	866,85	866,85	1107	491,32	491,32	6276	901,77	731,2	3748	241,36	241,36	2246	6260,47	6260,47
32	3	1	PMA Iono	LN	1641	73,08	73,08	6896,5	849,87	849,87	2801	1244,18	1244,18	6159,5	842,57	731,2	3033,5	190,98	190,98	2431	6740,05	6740,05

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