

Supplementary Table S1

CLINICAL FINDINGS (CPV)																
Parvo Sample	Consent completed	Electron microscopy Positive	Chief complaint	Duration of illness (days)	Temperature	Pulse	Respiration	Peripheral lymph nodes	Abdominal palpation	Helminth ova score (1-4)	Date collected	Date run:CBC	Date run:CRP	Date run:Albumin	Date run:Cobalamin	Days stored
Parvo 2	Y	Y	Vomiting	1	38,6	124	12	NAD	NAD	0	2018/11/21	2018/11/21	2018/11/21	2018/11/21	2019/10/29	342d
Parvo 4	Y	Y	Vomiting	1	41,4	140	36	NAD	Painful	2	2018/11/27	2018/11/27	2018/11/27	2018/11/27	2019/10/29	336d
Parvo 5	Y	Y	Vomiting	1	38,4	208	40	NAD	Tense	0	2018/11/27	2018/11/27	2018/11/27	2018/11/27	2019/10/29	336d
Parvo 6	Y	Y	Vomiting	2	38,3	88	32	NAD	NAD	0	2018/11/29	2018/11/29	2018/11/29	2018/11/29	2019/10/29	334d
Parvo 7	Y	Y	Vomiting	2	39,6	200	40	NAD	Painful	0	2018/11/29	2018/11/29	2018/11/29	2018/11/29	2019/10/29	334d
Parvo 8	Y	Y	Vomiting	1	38,4	210	40	NAD	NAD	1	2018/12/02	2018/12/02	2018/12/02	2018/12/02	2019/10/29	331d
Parvo 9	Y	Y	Vomiting	1	38,8	78	30	NAD	NAD	2	2018/12/12	2018/12/12	2018/12/12	2018/12/12	2019/10/29	321d
Parvo 10	Y	Y	Vomiting	1	38,9	160	40	NAD	NAD	2	2018/12/18	2018/12/18	2018/12/18	2018/12/18	2019/10/29	315d
Parvo 11	Y	Y	Vomiting	1	38,6	160	40	NAD	NAD	1	2018/12/19	2018/12/19	2018/12/19	2018/12/19	2019/10/29	314d
Parvo 12	Y	Y	Vomiting	1	39,2	220	40	NAD	Painful	0	2018/12/20	2018/12/20	2018/12/20	2018/12/20	2019/10/29	313d
Parvo 13	Y	Y	Vomiting	1	39,6	148	40	NAD	NAD	1	2019/01/23	2019/01/23	2019/01/23	2019/01/23	2019/10/29	310d
Parvo 14	Y	Y	Vomiting	2	39	144	36	NAD	NAD	0	2019/01/27	2019/01/27	2019/01/27	2019/01/27	2019/10/29	307d
Parvo 16	Y	Y	Vomiting	4	38,1	110	35	NAD	NAD	0	2019/02/01	2019/02/01	2019/02/01	2019/02/01	2019/10/29	300d
Parvo 17	Y	Y	Vomiting	1	38,1	126	36	NAD	NAD	0	2019/02/02	2019/02/02	2019/02/02	2019/02/02	2019/10/29	269d
Parvo 18	Y	Y	Vomiting	1	38	144	42	NAD	NAD	0	2019/02/13	2019/02/13	2019/02/13	2019/02/13	2019/10/29	258d
Parvo 19	Y	Y	Vomiting	1	39,2	184	36	NAD	NAD	0	2019/02/21	2019/02/21	2019/02/21	2019/02/21	2019/10/29	250d
Parvo 20	Y	Y	Vomiting	3	38,9	120	40	NAD	NAD	0	2019/02/25	2019/02/25	2019/02/25	2019/02/25	2019/10/29	246d
Parvo 21	Y	Y	Vomiting	1	39,4	152	30	NAD	NAD	0	2019/02/28	2019/02/28	2019/02/28	2019/02/28	2019/10/29	243d
Parvo 22	Y	Y	Vomiting	3	39	172	64	NAD	NAD	0	2019/03/10	2019/03/10	2019/03/10	2019/03/10	2019/10/29	240d
Parvo 23	Y	Y	Vomiting	1	36,9	152	36	NAD	NAD	0	2019/03/10	2019/03/10	2019/03/10	2019/03/10	2019/10/29	240d
Parvo 24	Y	Y	Vomiting	1	38,8	192	42	NAD	NAD	0	2019/03/10	2019/03/10	2019/03/10	2019/03/10	2019/10/29	240d
Parvo 25	Y	Y	Vomiting/diarrhoea	1	39,3	164	64	NAD	Painful	0	2019/03/15	2019/03/15	2019/03/15	2019/03/15	2019/10/29	235d
Parvo 26	Y	Y	Vomiting	2	38,6	120	20	NAD	NAD	0	2019/03/23	2019/03/23	2019/03/23	2019/03/23	2019/10/29	220d
Parvo 27	Y	Y	Vomiting	1	38	156	28	NAD	Painful	0	2019/03/23	2019/03/23	2019/03/23	2019/03/23	2019/10/29	220d
Parvo 28	Y	Y	Vomiting	1	39,4	180	Panting	NAD	NAD	0	2019/03/25	2019/03/25	2019/03/25	2019/03/25	2019/10/29	218d
Parvo 29	Y	Y	Vomiting	2	37,8	132	16	NAD	Painful	1	2019/04/04	2019/04/04	2019/04/04	2019/04/04	2019/10/29	208d
Parvo 30	Y	Y	Vomiting	1	37,8	132	16	NAD	Painful	1	2019/05/06	2016/05/06	2016/05/06	2016/05/06	2019/10/29	176d
Parvo 31	Y	Y	Vomiting	3	38	112	24	NAD	NAD	0	2019/05/06	2016/05/06	2016/05/06	2016/05/06	2019/10/29	176d
Parvo 32	Y	Y	Vomiting	1	39,6	140	40	NAD	Painful	0	2019/05/21	2019/05/21	2019/05/21	2019/05/21	2019/10/29	161d
Parvo 33	Y	Y	Vomiting	1	38,9	160	24	NAD	NAD	0	2019/07/30	2019/07/30	2019/07/30	2019/07/30	2019/10/29	91d
Parvo 34	Y	Y	Vomiting	2	38	176	16	NAD	Painful	1	2019/08/04	2019/08/04	2019/08/04	2019/08/04	2019/10/29	86d
Parvo 35	Y	Y	Vomiting	1	40	200	16	NAD	NAD	0	2019/08/21	2019/08/21	2019/08/21	2019/08/21	2019/10/29	69d
Parvo 36	Y	Y	Vomiting	1	39,4	148	24	NAD	NAD	0	2019/08/21	2019/08/21	2019/08/21	2019/08/21	2019/10/29	69d
Parvo 37	Y	Y	Vomiting	2	38,6	184	40	NAD	NAD	0	2019/08/23	2019/08/23	2019/08/23	2019/08/23	2019/10/29	67d
Parvo 39	Y	Y	Vomiting	1	38,3	160	Panting	NAD	NAD	0	2019/08/23	2019/08/23	2019/08/23	2019/08/23	2019/10/29	67d
Parvo P1	Y	Y	Vomiting	5	38,3	163	32	NAD	NAD	0	2018/11/15	2018/11/15	2018/11/15	2018/11/15	2019/10/29	348d
Parvo P2	Y	Y	Vomiting	1	38	160	40	NAD	NAD	2	2018/11/15	2018/11/15	2018/11/15	2018/11/15	2019/10/29	348d
Parvo P3	Y	Y	Vomiting	2	38,7	84	36	NAD	NAD	0	2018/11/18	2018/11/18	2018/11/18	2018/11/18	2019/10/29	345d
Parvo P4	Y	Y	Vomiting	1	39,1	128	36	NAD	NAD	0	2018/11/18	2018/11/18	2018/11/18	2018/11/18	2019/10/29	345d
Parvo P5	Y	Y	Vomiting	1	38,2	208	32	Popliteal enlarged	Distended	0	2018/11/19	2018/11/19	2018/11/19	2018/11/19	2019/10/29	344d
Parvo P6	Y	Y	Vomiting	1	39,6	190	60	NAD	Painful	0	2018/11/21	2018/11/21	2018/11/21	2018/11/21	2019/10/29	342d
Parvo P7	Y	Y	Vomiting	2	39,1	108	54	NAD	Tense	0	2018/11/25	2018/11/25	2018/11/25	2018/11/25	2019/10/29	338d
Parvo P8	Y	Y	Vomiting	1	39,2	112	128	NAD	NAD	0	2018/11/25	2018/11/25	2018/11/25	2018/11/25	2019/10/29	338d
Parvo P12	Y	Y	Vomiting	1	39,1	132	30	Enlarged	Tense	0	2018/12/25	2018/12/25	2018/12/25	2018/12/25	2019/10/29	338d
Parvo P13	Y	Y	Vomiting	3	37,8	144	50	NAD	Watery content	0	2018/12/25	2018/12/25	2018/12/25	2018/12/25	2019/10/29	308d

**CONTROL CLINICAL FINDINGS**

Control sample	Consent completed	Electron microscopy Positive	Vaccination or surgery?	Duration of illness (days)	Temperature	Pulse	Respiration	Peripheral lymph nodes	Abdominal palpation	Helminth ova score (1-4)	Peripheral blood smear finding	Date collected	Date run: CBC	Date run: CRP	Date run: Albumin	Date run: Cobalamin	Days Stored:
Control 4	y	N	Vaccination	N/A	39,1	120	29	NAD	NAD	0	NAD	2019/03/15	2019/03/15	2019/03/15	2019/03/15	2019/10/29	228d
Control 5	y	N	Vaccination	N/A	38,3	108	24	NAD	NAD	0	NAD	2019/03/26	2019/03/26	2019/03/26	2019/03/26	2019/10/29	217d
Control 6	y	N	Vaccination	N/A	38,4	128	40	NAD	NAD	0	NAD	2019/03/26	2019/03/26	2019/03/26	2019/03/26	2019/10/29	217d
Control 7	y	N	Vaccination	N/A	37,8	136	18	NAD	NAD	0	NAD	2019/03/26	2019/03/26	2019/03/26	2019/03/26	2019/10/29	217d
Control 8	y	N	Vaccination	N/A	37,9	132	Panting	NAD	NAD	0	NAD	2019/04/08	2019/04/08	2019/04/08	2019/04/08	2019/10/29	204d
Control 9	y	N	Vaccination	N/A	38,8	104	24	NAD	NAD	0	NAD	2019/04/16	2019/04/16	2019/04/16	2019/04/16	2019/10/29	196d
Control 10	y	N	Sterilisation	N/A	39,5	140	Panting	NAD	NAD	0	NAD	2019/04/16	2019/04/16	2019/04/16	2019/04/16	2019/10/29	196d
Control 11	y	N	Sterilisation	N/A	38,9	108	36	NAD	NAD	0	NAD	2019/04/16	2019/04/16	2019/04/16	2019/04/16	2019/10/29	196d
Control 12	y	N	Sterilisation	N/A	39	108	Panting	NAD	NAD	0	NAD	2019/04/23	2019/04/23	2019/04/23	2019/04/23	2019/10/29	189d
Control 13	y	N	Vaccination	N/A	38,2	110	44	NAD	NAD	0	NAD	2019/04/26	2019/04/26	2019/04/26	2019/04/26	2019/10/29	186d
Control 14	y	N	Vaccination	N/A	38,1	156	Panting	NAD	NAD	0	NAD	2019/04/30	2019/04/30	2019/04/30	2019/04/30	2019/10/29	182d
Control 15	y	N	Vaccination	N/A	38,5	120	Panting	NAD	NAD	0	NAD	2019/05/01	2019/05/01	2019/05/01	2019/05/01	2019/10/29	181d
Control 16	y	N	Vaccination	N/A	38,7	132	40	NAD	NAD	1	NAD	2019/05/01	2019/05/01	2019/05/01	2019/05/01	2019/10/29	181d
Control 18	y	N	Vaccination	N/A	38,8	168	24	NAD	NAD	0	NAD	2019/05/23	2019/05/23	2019/05/23	2019/05/23	2019/10/29	159d
Control 19	y	N	Vaccination	N/A	38,4	180	30	NAD	NAD	0	NAD	2019/05/23	2019/05/23	2019/05/23	2019/05/23	2019/10/29	159d
Control 20	y	N	Vaccination	N/A	38	160	Panting	NAD	NAD	0	NAD	2019/06/21	2019/06/21	2019/06/21	2019/06/21	2019/10/29	130d
Control 21	y	N	Vaccination	N/A	37,9	144	36	NAD	NAD	0	NAD	2019/06/21	2019/06/21	2019/06/21	2019/06/21	2019/10/29	130d

DATA CPV							
Parvo Sample	Cobalamin	Age (m)	CRP	Albumin	Days sick	Vaccinated	No. of vacs
Parvo 2	173	6	195,04	29,13	1	Y	1
Parvo 4	249	9	204,17	26,09	1	N	0
Parvo 5	722	3	83,22	36,43	1	Y	2
Parvo 6	123	3	220,35	29,73	2	N	0
Parvo 7	474	3	181,38	38	2	Y	1
Parvo 8	511	12	366	32,34	1	Y	2
Parvo 9	<111	4	126,39	32,13	1	N	0
Parvo 10	212	3	191,27	30,8	1	Y	1
Parvo 11	<111	4	180,53	25,05	1	Y	1
Parvo 12	111	2	266,3	30,49	1	N	0
Parvo 13	431	2	98,9	27,54	1	Y	1
Parvo 14	169	3	91,48	25,7	2	N	0
Parvo 16	142	2	85,27	20,61	4		
Parvo 17	194	4	56,51	35,9	1	N	0
Parvo 18	<111	3	195	24,42	1	Y	1
Parvo 19	117	6	212,85	33,94	1	N	0
Parvo 20	404	4	81,56	29,85	3	N	0
Parvo 21	<111	6	209,39	27,86	1	N	0
Parvo 22	501	3	423,08	34,6	3	N	0
Parvo 23	404	2	9	26,07	1	Y	1
Parvo 24	584	2	94,31	26,98	1	N	0
Parvo 25	119	6	150,35	17,94	1	N	0
Parvo 26	264	4	86,19	26,98	2	Y	1
Parvo 27	133	4	89,69	31,2	1	Y	1
Parvo 28	215	6	176,01	33,08	1	Y	1
Parvo 29	168	4	70,04	30,07	2	Y	1
Parvo 30	120	4	80,04	26,21	1	N	0
Parvo 31	276	4	34,25	24,51	3	N	0
Parvo 32	287	3	185,59	29,7	1	N	0
Parvo 33	173	7	118,64	32	1	N	0
Parvo 34	151	3	127,15	31,96	2	N	0
Parvo 35	123	5	237,51	33,7	1	N	0
Parvo 36	<111	1	174,4	17,92	1	N	0
Parvo 37	131	2	125,71	28,01	2	Y	1
Parvo 39	<111		172,21	31,37	1	N	0
Parvo P1	187	6			5	N	0
Parvo P2	530	6	124,58	29,61	1	N	0
Parvo P3	133	4,5	142,08	30,99	2	Y	1
Parvo P4	151	4	155,47	31,18	1	Y	1
Parvo P5	233	3	58,72	32,23	1	N	0
Parvo P6	<111	3	121,92	29,21	1	N	0
Parvo P7	180	6			2	N	0
Parvo P8	648	2	91,11	24,57	1	Y	1
Parvo P12	519	4	196,68	32,07	1	Y	1
Parvo P13	422	3			3	Y	1

Median: 1
Min: 1
Max: 5

DATA CONTROLS				
Control sample	Cobalamin	Age (m)	CRP	Albumin
Control 4	293	4	14,84	37,58
Control 5	>738	6	4,42	35,39
Control 6	>738	3	1,63	29
Control 7	>738	12	11	34,89
Control 8	379	4	0	34,25
Control 9	377	8	0	37,23
Control 10	259	6	0	34,84
Control 11	307	6	0	34,24
Control 12	425	12	11	41,1
Control 13	216	5	0	30,84
Control 14	193	3	50,58	31,78
Control 15	>738	2	0	28,82
Control 16	652	3	7,05	37,02
Control 18	468	2	0	31,37
Control 19	404	2	4,42	28,4
Control 20	267	2	6,25	29,86
Control 21	218	2	6,26	28,12