

Supplemental Table 2. Sample level covariates. All covariates for each saliva sample are listed. For tonsil biopsy positive, the sample was assigned “1” if the deer had a positive tonsil biopsy on or before the collection of the saliva sample.

Deer	MPI	Tonsil biopsy positive	Storage duration (years)	% Replicates Positive
107	12	0	12.32	57%
107	16	0	11.99	57%
108	6	0	12.77	0%
108	12	1	12.27	0%
108	16	1	11.93	75%
113	12	1	12.30	71%
113	16	0	11.97	86%
121	6	1	12.88	50%
121	12	1	12.39	88%
121	25	1	11.32	13%
122	12	1	12.26	86%
122	16	1	11.93	57%
132	3	0	11.86	14%
132	6	0	11.61	86%
132	12	0	11.12	57%
132	15	0	10.87	86%
132	16	0	10.79	71%
137	3	0	12.21	0%
137	15	0	11.22	0%
137	16	1	11.14	0%
144	6	0	11.61	29%
144	12	1	11.12	43%
144	26	1	9.97	86%
147	3	0	11.86	43%
147	6	0	11.61	71%
147	12	0	11.12	57%
147	16	0	10.79	75%
303	3	0	10.21	0%
303	6	0	9.96	0%
303	12	1	9.47	0%
303	19	1	8.89	0%
322	3	0	10.21	13%
322	6	0	9.96	0%
322	12	0	9.47	0%
322	15	0	9.22	0%
322	19	1	8.89	0%
324	3	0	10.21	0%
324	6	0	9.97	0%
324	12	0	9.47	0%
324	15	0	9.23	0%
324	19	1	8.90	0%
325	3	0	10.21	13%
325	6	0	9.96	0%
325	12	1	9.47	0%
325	19	1	8.90	38%
346	3	0	10.21	0%
346	6	0	9.96	0%
346	12	1	9.47	13%
346	19	1	8.90	0%
347	3	0	10.18	0%

347	6	1	9.93	13%
347	12	1	9.44	0%
347	15	1	9.19	0%
347	19	1	8.87	0%
357	3	0	10.21	25%
357	6	0	9.97	0%
357	12	0	9.47	0%
357	15	0	9.23	0%
357	19	1	8.90	13%
372	6	0	9.93	0%
372	12	1	9.44	38%
372	15	1	9.19	0%
4116	3	0	11.31	0%
4116	6	0	11.07	38%
4116	26	1	9.42	50%
4128	3	0	11.31	0%
4128	6	0	11.07	0%
4128	12	1	10.57	25%
4128	15	1	10.33	0%
4128	20	1	9.92	25%
4461	3	0	11.35	0%
4461	15	1	10.36	75%
4461	20	1	9.95	63%
4506	6	1	11.13	0%
4506	12	1	10.64	75%
4506	21	1	9.90	25%
4512	3	0	11.33	13%
4512	6	0	11.08	0%
4512	12	0	10.59	0%
4512	15	1	10.35	0%
4512	20	1	9.93	0%
6332	6	0	7.74	0%
6332	10	0	7.41	0%
6332	15	1	7.00	13%
6333	6	0	7.84	0%
6333	12	1	7.35	0%
6333	16	1	7.02	0%
6335	12	1	7.35	0%
6335	16	1	7.02	0%
6338	6	0	7.74	13%
6338	10	0	7.41	0%
6338	15	0	7.00	0%
6364	6	0	7.84	0%
6364	12	1	7.35	25%
6364	16	1	7.02	0%
6372	6	0	7.74	0%
6372	10	0	7.41	0%
6372	15	1	7.00	0%
773	3	0	2.80	0%
773	6	1	2.55	0%
773	10	1	2.22	0%
773	12	1	2.06	0%
775	3	0	2.80	0%
775	6	0	2.55	0%

775	9	1	2.30	0%
775	10	1	2.22	0%
775	12	1	2.06	0%
776	3	0	2.80	0%
776	9	1	2.30	13%
776	10	1	2.22	0%
776	12	1	2.06	50%
777	3	0	2.80	0%
777	6	1	2.55	0%
777	10	1	2.22	38%
777	12	1	2.06	25%
778	3	0	2.80	0%
778	6	1	2.55	0%
778	9	1	2.30	0%
778	12	1	2.06	0%
781	3	0	2.80	0%
781	6	0	2.55	50%
781	9	0	2.30	0%
781	10	0	2.22	0%
781	12	0	2.06	0%
782	3	0	2.80	0%
782	6	1	2.55	0%
782	9	1	2.30	88%
782	12	1	2.06	0%
783	3	0	2.80	0%
783	6	1	2.55	0%
783	9	1	2.30	25%
783	10	1	2.22	38%
783	12	1	2.06	0%
784	3	0	2.80	0%
784	6	1	2.55	0%
784	9	1	2.30	88%
784	10	1	2.22	50%
784	12	1	2.06	50%
785	3	0	2.80	0%
785	6	1	2.55	0%
785	9	1	2.30	0%
785	12	1	2.06	0%
786	3	0	2.80	0%
786	6	1	2.55	0%
786	9	1	2.30	38%
786	12	1	2.06	25%
812	6	1	2.33	0%
812	12	1	1.83	0%
812	15	1	1.59	0%
812	16	1	1.50	0%
812	19	1	1.26	0%
812	20	1	1.18	0%
812	21	1	1.09	0%
812	23	1	0.93	0%
812	25	1	0.76	0%
812	26	1	0.68	88%
813	6	1	2.33	13%
813	9	1	2.08	88%

813	12	1	1.83	88%
813	15	1	1.59	88%
813	16	1	1.50	38%
813	19	1	1.26	38%
813	20	1	1.18	88%
813	21	1	1.09	25%
813	22	1	1.01	0%
813	23	1	0.93	0%
813	23.5	1	0.89	0%
815	6	1	2.33	0%
815	12	1	1.83	0%
815	15	1	1.59	38%
815	16	1	1.50	25%
815	19	1	1.26	88%
815	21	1	1.09	50%
815	22	1	1.01	0%
815	23	1	0.93	0%
815	23.5	1	0.89	0%
815	23.75	1	0.87	0%
816	9	1	2.08	13%
816	16	1	1.50	0%
816	19	1	1.26	0%
816	20	1	1.18	88%
816	21	1	1.09	38%
816	22	1	1.01	13%
816	23	1	0.93	50%
816	23.5	1	0.89	25%
816	25	1	0.76	25%
817	3	0	2.57	75%
817	6	1	2.33	38%
817	12	1	1.83	13%
817	15	1	1.59	0%
817	16	1	1.50	50%
817	20	1	1.17	0%
817	21	1	1.08	75%
818	3	1	2.57	0%
818	9	1	2.08	0%
818	12	1	1.83	0%
818	15	1	1.59	63%
818	16	1	1.50	63%