

SUPPLEMENTARY DOCUMENTS

Supplemental Table 2: *E. coli* strains collected from host species diagnosed with the diseases listed

No.	Diagnosis	No.	Diagnosis	No.	Diagnosis	No.	Diagnosis
1	Abortion - Bacterial	41	Downer Cow Syndrome	81	Laryngitis	121	Pneumonia-Mycotic
2	Abortion - Idiopathic	42	Dysentery	82	Leg Weakness	122	Pneumonia-Necrotizing
3	Abscess	43	Edema Disease	83	Listeriosis	123	Pneumonia-Parasitic
4	Adenovirus Infection	44	Edema-Abomasal	84	Malahoplacia	124	Polioencephalomalacia
5	Agalactia	45	Edema-Gut	85	Malignant Catarrhal Fever	125	Prolapse-Rectum
6	Aids	46	Edema-Pulmonary	86	Mareks Dis.-Gen.	126	Pyelonephritis
7	Air Sac Disease	47	Emaciation	87	Mastitis	127	Rumen Overload
8	Aleutian Disease	48	Emphysema	88	Mastitis-Chronic	128	Rumenitis-Mycotic
9	Alopecia	49	Encephalomalacia	89	Meningitis	129	Rupture-Uterus
10	Amyloidosis	50	Entamoeba Suis	90	Meningitis - Bacterial	130	Salmonellosis
11	Anemia - Aplastic	51	Enteritis	91	Meningoencephalitis	131	Sarcosporidiosis
12	Anemia	52	Enteritis-Bacterial	92	Metabolic Problem	132	Selenium Def. Disease
13	Anomaly	53	Enteritis-Clostridium Sp.	93	Metritis	133	Septicemia
14	Arthritis	54	Enteritis-E. coli	94	Milk Cult-Proteus	134	Septicemia-Klebsiella
15	Aspergillosis	55	Enteritis-Gastro	95	Mulberry Heart Disease	135	Septicemia-Pasteurella
16	Asphyxiation	56	Enteritis-Hemorrhagic	96	Mycosis	136	Septicemia-Pseudomonas
17	Atrophy	57	Enteritis-Mucoid	97	Myositis	137	Septicemia-Streptococcus
18	Atropic Rhinitis	58	Enteritis-Mycotic	98	Necrosis	138	Serositis
19	Bovine Virus Diarrhea	59	Enteritis-Necrotic	99	Nephritis	139	Sinusitis
20	Brucellosis	60	Enteritis-Parasitic	100	Nephrosclerosis	140	Slaughter House (healthy)
21	Clinical	61	Enteritis	101	Newcastle Disease	141	Sleeper Foal Syndrome
22	Clostridium	62	Enteritis-Toxemia	102	Obstruction-Hair Ball	142	Slims Disease
23	Coccidiosis	63	Enteritis-Viral	103	Omphalitis	143	Swollen Head Syndrome
24	Coccidiosis-Mixed	64	Enterotoxemia	104	Oophoritis	144	Synovitis
25	Colibacillosis	65	Fatty Liver Disease	105	Para - Hookworms	145	TGE
26	Colitis	66	Head Grub	106	Para - Intestinal Worms	146	Thin Pig Syndrome
27	Congenital Defect	67	Healthy	107	Parasite-Lung Worms	147	Torsion-Intestinal
28	Conjunctivitis	68	Hemangioendothelioma	108	Parasitism	148	Toxemia
29	Crohn's Disease	69	Hematoma	109	Pericarditis	149	Toxemia-Dicoumarin
30	Cystitis	70	Hemorrhage	110	Pericarditis	150	Toxemia-E. coli
31	Def-Dis-Malnutrition	71	Hemorrhagic Disease	111	Peritonitis	151	Toxemia-Endo
32	Def-Dis-Nonspecific	72	Hepatitis - Viral	112	Peritonitis	152	Toxemia-Entro
33	Def-Dis-Vitamin A	73	Hydrocephalus	113	Pleuritis	153	Toxemia-Proteus
34	Def-Dis-Vitamin E	74	Hypocalcemia	114	Pneumoenteritis	154	Trauma
35	Degeneration	75	Hypoglycemia	115	Pneumonia	155	Tuberculosis
36	Dehydration	76	Icterus	116	Pneumonia-Bacterial	156	Tyzzers Disease
37	Dermatitis	77	Indigestion	117	Pneumonia-Broncho	157	Urinary Tract Infection
38	Dermatomycosis	78	Inflammatory Bowel Dis	118	Pneumonia-Calf	158	Wasting Disease
39	Diarrhea	79	Intussusception	119	Pneumonia-Enteritis	159	Weak Calf Syndrome
40	Diarrhea-Neonatal	80	Keratitis	120	Pneumonia-Inhalation	160	White Muscle Disease