

**Table S3** Detailed description of the histopathologic report for every tissue from each individual horse.

<u>Tissue</u>	<u>ECA UCD AH1</u>	<u>ECA UCD AH2</u>
Skin Mid Neck	WNL	Not sampled
Skin Over Back	WNL	WNL
Loin & Gluteal Adipose	WNL	WNL
Gluteal Muscle	WNL	WNL
Sacrocaudalis Muscle	WNL	Minimal increase of perivascular cells
Longissimus Dorsi Muscle	Few perivascular lymphocytes	WNL
Bone Marrow	WNL	WNL
Right Front Coronary Band	WNL	WNL
Right Front & Hind Lamina	WNL	WNL
Right Hind Stifle Cartilage	WNL	WNL
Right Hind Suspensory & SDFT	WNL	WNL
Left Front SDFT	WNL	Small focus of lymphocytes in tendon sheath
Left Front Suspensory	WNL	Mild perivascular lymphocytic infiltrates
Left Front & Right Hind DDFT	WNL	WNL
Sciatic Nerve	WNL	WNL
Liver	One small focus of lymphocytes, portal	Hemosiderosis in kupffer cells, variable pigment in hepatocytes, minimal random neutrophilic and lymphocytic hepatitis
Spleen	Congestions, hemosiderosis (+)	Active white pulp, mild hemosiderosis
Adrenal Cortex & Medulla	WNL	WNL
Kidney Cortex	Minimal multifocal interstitial nephritis	WNL
Kidney Medulla	Minimal multifocal interstitial nephritis	Mild multifocal lymphoplasmacellular nephritis
Larynx	WNL	WNL
CAD Muscle	WNL	Focal minimal round cell infiltrates
Pancreas	WNL	WNL
Thyroids	WNL	WNL
Lymph node	WNL	Mild follicular and paracortical hyperplasia

<u>Tissue</u>	<u>ECA UCD AH1</u>	<u>ECA UCD AH2</u>
Bronchiolar/Mediastinal Lymph Node	WNL	Follicular and paracortical hyperplasia with mild eosinophilic infiltrates; focal mineralized granuloma
Left Lung	Peribronchiolar eosinophils + and lymphocytes/plasma cells (+); circulating eosinophils	Moderate peribronchiolar eosinophilic and lymphocytic infiltrates with marked contracted peribronchiolar muscles leading to narrowing of bronchioles, mild circulating eosinophilia
Lung Nodule	Locally extensive eosinophilic and lymphoplasmacellular pneumonia with extension into lobular septae and peribronchiolar	Multifocal extensive interstitial eosinophilic and lymphocytic pneumonia with marked protein rich edema centered around an area of eosinophilic arteritis with periarterial hemorrhage (no parasites noted); moderate peribronchiolar eosinophilic and lymphocytic infiltrates with marked contracted peribronchiolar muscles leading to narrowing of bronchioles; mild circulating eosinophilia
Heart Left Atrium	WNL	Mild perivascular lymphoid and plasma cellular infiltrates in epicardial fat; minimal perivascular lymphoid infiltrate in myocardium
Heart Left Ventricle	WNL	Minimal perivascular lymphoid infiltrate myocardium
Heart Right Atrium and Ventricle	WNL	Mild perivascular lymphoid and plasma cellular infiltrates in epicardial fat; minimal sprinkling of lymphocytes
Septum	WNL	Minimal sprinkling of lymphocytes
Mitral Valve	WNL	Minimal lymphoid infiltrates
Tricuspid Valve	Insertion site small focus of perivascular lymphocytes	WNL
Aortic Valve	Mild lymphoplasmacellular infiltrate	WNL
Pulmonic Valve	Insertion site small focus of perivascular lymphocytes	Rare lymphocytes
Trachea	Minimal subepithelial lymphocytic, plasmacytic infiltrates	WNL
Tongue	WNL	Mild perivascular lymphoid infiltrates in lamina propria
Epiglottis	WNL	WNL
Esophagus	WNL	Small focus of minimal perivascular intramuscular lymphoid infiltrates
Stomach	Minimal eosinophilic and lymphocytic infiltrate margo plicatus; glandular portion: lymphoplasmacytic infiltrates in lamina propria and submucosa	Mild lymphocytic and eosinophilic gastric along margo plicatus
Duodenum	Eosinophilic +, lymphocytic (+) infiltrate in lamina propria and submucosa	Lymphocytes and plasma cells ++ lamina propria, intraepithelial lymphocytes, occasionally in aggregates

<u>Tissue</u>	<u>ECA UCD AH1</u>	<u>ECA UCD AH2</u>
Jejunum	Eosinophilic ++, lymphocytic + infiltrate in lamina propria and submucosa	Not sampled
Ileum	Eosinophilic ++, lymphocytic + infiltrate in lamina propria and submucosa; active peyer's patches	Lymphocytes + and eosinophils +, lamina propria and submucosa
Cecum	Eosinophilic ++, lymphocytic + infiltrate in lamina propria and submucosa	Lymphocytes ++ and eosinophils ++, lamina propria and submucosa
Right Ventral Colon	Eosinophilic ++, lymphocytic + infiltrate in lamina propria and submucosa	Lymphocytes ++ and eosinophils ++, lamina propria and submucosa
Left Ventral Colon	Eosinophilic +++, lymphocytic + infiltrate in lamina propria and submucosa	Lymphocytes ++ and eosinophils ++, lamina propria and submucosa, mild lymphoid hyperplasia
Left Dorsal Colon	Eosinophilic ++, lymphocytic + infiltrate in lamina propria and submucosa	Lymphocytes ++ and eosinophils ++, lamina propria and submucosa, Moderate lymphoid hyperplasia
Right Dorsal Colon	Eosinophilic +++, lymphocytic/plasma cell +++ infiltrate in lamina propria and submucosa	Lymphocytes ++ and eosinophils ++, lamina propria and submucosa, moderate lymphoid hyperplasia
Small Colon	Eosinophilic ++, lymphocytic/plasma cell +, infiltrate in lamina propria and submucosa	Lymphocytes + and eosinophils +, lamina propria and submucosa
Ocular globe	Mild lymphocytic conjunctivitis; multifocal mineralization of the posterior area of the ocular globe	Multifocal mineralization of sclera
Frontal Cortex	Minimal focal gliosis	WNL
Parietal & Temporal Cortex	WNL	WNL
Occipital Cortex	WNL	Some peracute hemorrhages (agonal)
Pituitary	WNL	WNL
Cerebellum Vermis & Lateral Hemisphere	WNL	WNL
Pons	WNL	WNL
Thalamus	WNL	WNL
Hypothalamus	WNL	WNL
Dura Mater	Moderate multifocal mineralization	Marked mineralization
Corpus Callosum	WNL	WNL
C 1	WNL	WNL
C 5/6	WNL	Marked artifacts

<u>Tissue</u>	<u>ECA UCD AH1</u>	<u>ECA UCD AH2</u>
T 7/9 & L 1	Minimal gliosis	WNL
L 6	WNL	WNL
Dorsal Ganglia	WNL - adjacent fibrous tissue has a few perivascular lymphocytes	Not sampled
Cervical Ganglia	Nerve but no ganglion	Nerve but no ganglion
Urinary Bladder	Few lymphocytes around one vessel in lamina propria	Mucosa not on the slide; minimal lymphocytes perivascular subserosal
Oviduct & Uterus	WNL	WNL
Left Ovary	WNL	WNL
Right Ovary	Large follicle, part of a CL	WNL
Cervix	WNL	Microhemorrhage lamina propria
Vagina	WNL	Minimal superficial lymphoid infiltrate lamina propria
Mammary Gland	WNL	WNL

SDFT = Superficial Digital Flexor Tendon

DDFT = Deep Digital Flexor Tendon

WNL = Within Normal Limits