

ID	Species	Resistance	Date of necropsy	Frozen	Main macroscopic findings	Parasitic burden	Microbiology
1	Pv	no	08.05.2017	yes	mild, acute, diffuse, alveolar bronchopneumonia; mild, chronic, focal, pyogranulomatous glossitis; mild, chronic, oligofocal, ulcerative gastritis; mild, acute, diffuse, interstitial lung emphysema; severe acute, diffuse, alveolar lung edema	stomach: mild infection; intestine: moderate infestation	not determined
56	Pv	yes	13.07.2017	yes	severe bronchopneumonia; moderate, acute, diffuse, alveolar oedema; suspicion of septicemia	stomach: mild infection; small intestine: mild infection; large intestine: severe infection	lung: ++ coryneform bacteria, <i>Enterococcus faecalis</i> , non-fermenter; + <i>E. coli</i> , <i>Proteus</i> sp., yeasts; lung lymph node: ++ <i>Enterococcus faecalis</i> ; + <i>E. coli</i> , a-haemolytic streptococci, non-fermenter, <i>Proteus</i> sp., yeasts, <i>Streptococcus dysgalactiae</i> ; spleen: ++ <i>Acinetobacter</i> sp., non-fermenter; + <i>E. coli</i> , coryneform bacteria, <i>Enterococcus faecalis</i> , <i>Proteus</i> sp.; liver: ++ <i>Acinetobacter</i> sp., non-fermenter; + <i>Proteus</i> sp., <i>E. coli</i> , <i>Enterococcus faecalis</i> , yeasts, a-haemolytic streptococci; kidney: ++ <i>E. coli</i> , <i>Enterococcus faecalis</i> ; + <i>Proteus</i> sp., <i>Enterococcus faecalis</i> , a-haemolytic streptococci, yeasts; intestine: + yeasts; mesenteric lymph node: + <i>E. coli</i> , yeasts; uterus: ++ <i>Enterococcus</i> sp.; + <i>E. coli</i> ; <i>Pseudomonas</i> sp., <i>Proteus</i> sp., <i>Lactobacillus curvatus</i> ; yeasts, <i>Streptococcus dysgalactiae</i> ; brain: ++ <i>Enterococcus aquimarinus</i> ; + a-haemolytic streptococci, <i>Acinetobacter lwoffii</i> , <i>Proteus</i> sp., <i>Bacillus</i> sp., <i>E. coli</i> , non-fermenter

79	Pv	no	03.08.2017	yes	cachexia; icterus; moderate, subacute to chronic, diffuse, fibrinous-granulomatous bronchopneumonia; fatty liver; mild, diffuse, follicular hyperplasia of the spleen; severe, acute, diffuse alveolar and interstitial lung oedema; moderate, diffuse, acute, alveolar and interstitial lung oedema	lung: severe infection in bronchi and blood vessels; heart: mild infection in both ventricles; stomach: mild infection; intestine: mild infection in the small intestine and the caecum	lung: ++ <i>Proteus</i> sp., <i>Pseudomonas fulva</i> , <i>Enterococcus faecalis</i> , <i>Vagococcus fluvialis</i> , <i>Bacillus</i> sp.; + <i>E. coli</i> , a-haemolytic streptococci, yeasts; kidney: ++ <i>Proteus</i> sp., <i>Pseudomonas fulva</i> , <i>Enterococcus faecalis</i> , <i>E. coli</i> , <i>Providencia rettgeri</i> ; + <i>Enterobacter cloacae</i> , yeast; diaphragm: ++ <i>Enterococcus faecalis</i> , <i>Pseudomonas fulva</i> , a-haemolytic streptococci, non-fermenter; + <i>Bacillus</i> sp., <i>Proteus</i> sp., <i>E. coli</i> , yeasts; liver: ++ <i>Pseudomonas putida</i> , <i>Enterococcus</i> sp., non-fermenter, a-haemolytic streptococci; + <i>E. coli</i> , <i>Myroides</i> sp., yeasts; spleen: +++ <i>Acinetobacter</i> sp., a-haemolytic streptococci; ++ <i>E. coli</i> , <i>Enterococcus</i> sp., <i>Pseudomonas fulva</i> , <i>Pseudomonas putida</i> ; + <i>Myroides</i> sp., <i>Proteus</i> sp.; intestine: ++ <i>E. coli</i> , + yeasts
80	Pv	yes	03.08.2017	yes	severe, acute, diffuse, alveolar pneumonia; mild, acute, diffuse hyperplasia of the lung lymph nodes; mild, acute diffuse hyperplasia of the tonsils; mild, chronic, focal, ulcerative gastritis; diarrhoea; mild, acute, diffuse, alveolar and interstitial lung emphysema; mild, acute, diffuse lung oedema	lung: moderate infection in bronchi and blood vessels; stomach: moderate infection; small intestine: moderate infection with acanthocephalan and cestodes	lung: +++ <i>Myroides odoratus</i> , <i>Streptococcus phocae</i> ; ++ a-haemolytic streptococci, <i>E. coli</i> , <i>Serratia fonticola</i> ; + <i>Enterococcus</i> sp., <i>Yarrowia lipolytica</i> ; liver: +++ <i>Streptococcus phocae</i> ; ++ a-haemolytic streptococci, <i>Myroides odoratus</i> , <i>E. coli</i> ; + <i>Enterococcus</i> sp., <i>Yarrowia lipolytica</i> ; intestine: ++ <i>Yarrowia lipolytica</i> , <i>E. coli</i> ; kidney: ++ <i>E. coli</i> , <i>Enterococcus faecalis</i> , a-haemolytic streptococci, <i>Streptococcus phocae</i> ; + <i>Yarrowia lipolytica</i> ; spleen: +++ <i>Streptococcus phocae</i> , a-haemolytic streptococci; ++ <i>E. coli</i> ; + <i>Myroides</i> sp., <i>Bacillus</i> sp., <i>Yarrowia lipolytica</i>
81	Pv	no	29.06.2017	yes	cachexia; moderate, subacute, diffuse, purulent pneumonia; moderate acute, diffuse, alveolar oedema	lung: severe infection in bronchi and blood vessels; stomach: mild infection; small intestine: moderate infection	not determined

82	Pv	yes	29.11.2017	yes	premature birth; subcutaneous haemorrhages at the head, neck and pelvis; diarrhoea; mild alveolar oedema	none	lung: + <i>Stenotrophomonas maltophilia</i> , yeasts, <i>Serratia marcescens</i> , <i>Enterococcus faecium</i> ; liver: + <i>Stenotrophomonas maltophilia</i> , <i>E. coli</i> , <i>Bacillus</i> sp., yeasts; kidney: + <i>Cedecea</i> sp., <i>Enterococcus faecium</i> , <i>Stenotrophomonas maltophilia</i> , yeasts; spleen: ++ <i>Stenotrophomonas maltophilia</i> ; + coagulase-negative Staphylococci, <i>E. coli</i> , yeasts; intestine: none
83	Hg	no	24.07.2017	yes	moderate, multifocal concretum deposition in and on the peritoneum of the abdominal wall, the intestine, the kidney and in the kidney; moderate haemo-hydro abdomen; mild, focal, ulcerative gastritis; mild haemo-hydro thorax and pericard; moderate hyperplasia of the pulpa of the spleen; multiple skin erosions on both hind flippers and the left abdominal wall; multiple loss of fur on the left abdominal wall; mild, diffuse, alveolar oedema; moderate, diffuse, alveolar and interstitial lung emphysema; suspicion of septicemia	lung: mild infection in the bronchi; heart: moderate infection in the left ventricle; stomach and small intestine: moderate infection	liver: + <i>Pseudomonas fulva</i> , a-haemolytic streptococci, <i>Proteus</i> sp., <i>E. coli</i> , <i>Enterococcus</i> sp.; lung: + a-haemolytic streptococci, <i>Proteus</i> sp., <i>Acinetobacter johnsonii</i> , <i>E. coli</i> , <i>Enterococcus</i> sp.; spleen: + a-haemolytic streptococci, <i>Acinetobacter johnsonii</i> , <i>E. coli</i> , <i>Enterococcus</i> sp.; stomach ulcer: a-haemolytic streptococci, non-fermenter, yeasts, <i>E. coli</i> , <i>Enterococcus</i> sp.; brain: ++ a-haemolytic streptococci; + <i>Proteus</i> sp., <i>E. coli</i> , <i>Enterococcus</i> sp.; intestine: none; lung lymphnode: + a-haemolytic streptococci, non-fermenter, <i>E. coli</i> ; uterus: ++ non-fermenter; a-haemolytic streptococci; + <i>Acinetobacter johnsonii</i> , <i>E. coli</i> , <i>Enterococcus</i> sp.
85	Pp	no	26.10.2017	yes	anaemia; moderate, acute, diffuse, alveolar lung oedema	none	brain: +++ non-fermenter, coagulase-negative staphylococci, $\alpha$ -haemolytic streptococci; ++ <i>E. coli</i> , <i>Citrobacter</i> sp., <i>Myroides</i> sp.; + yeasts, <i>Proteus</i> sp.; uterus: +++ <i>Rahnella aquatis</i> ; ++ <i>Serratia</i> sp., <i>Enterococcus</i> sp., coagulase-negative staphylococci, <i>E. coli</i> , <i>Bacillus</i> sp.; + <i>Enterobacter cloacae</i> , <i>Myroides</i> sp.

86	Pp	yes	12.10.2017	yes	cachexia; moderate, acute, diffuse, alveolar bronchopneumonia; mild, chronic focal, ulcerative oesophagitis; mild, chronic, focal, pyogranulomatous steatitis (abscess close to the blow whole); severe, chronic, diffuse necrotic mesenteric lymphadenitis; severe, chronic, diffuse hyperplasia of the cortex of the adrenal gland; severe, acute, diffuse, alveolar oedema; severe acute, diffuse spleen congestion	lung: moderate infection in the bronchi; heart: moderate infection in the right atrium; ears both sides: severe infection	lung: +++ $\alpha$ -haemolytic streptococci; + <i>E. coli</i> ; pulmonic lymph node: ++ $\alpha$ -haemolytic streptococci; + <i>E. coli</i> ; spleen: + $\alpha$ -haemolytic streptococci, <i>Enterococcus</i> sp.; liver: ++ coagulase-negative staphylococci; + <i>E. coli</i> , <i>Yarrowia lipolytica</i> ; kidney: + <i>Streptococcus marimammali</i> , <i>E. coli</i> , $\beta$ -haemolytic streptococci; intestine: + <i>Yarrowia lipolytica</i> ; mesenteric lymph node: ++ <i>Yarrowia lipolytica</i> ; brain: ++ <i>Aeromonas</i> sp.; + <i>Yarrowia lipolytica</i> , $\alpha$ -haemolytic streptococci; swab of the aorta: +++ <i>Pseudomonas</i> spp., <i>Rahnella aquatilis</i> ; + <i>Serratia</i> spp., yeasts; swab of the lung: +++ <i>Pseudomonas</i> spp.; swab of the blow hole: +++ <i>Serratia liquefaciens</i> , <i>Pseudomonas</i> spp., <i>Ewingella americana</i> , <i>Rahnella aquatilis</i> , <i>Hafnia alvei</i> , <i>Aeromonas</i> spp., <i>Shewanella</i> spp., $\alpha$ -haemolytic streptococci; + yeasts; (+) <i>Vibrio anguillarum</i>
92	Pv	yes	16.06.2017	no	mild emaciation; moderate, diffuse, catarrhalic-haemorrhagic enteritis; moderate diffuse catarrhalic-haemorrhagic gastritis; moderate disseminate, catarrhalic-purulent bronchopneumonia; mild, follicular hyperplasia of the spleen; moderate, disseminate, non-purulent hepatitis; mild lymphadenitis simplex of the lymph nodes of the pelvis; moderate hyperaemia of the blood vessels of the brain and the kidneys; moderate congestion of the lung and the liver; mild congestion of the spleen	none	lung: ++ <i>Carnobacterium maltaromaticum</i> , a-haemolytic streptococci, <i>E. coli</i> ; + non-fermenter, <i>Pantoea agglomerans</i> , <i>Lelliottia</i> species, yeasts, <i>Mucor</i> spp.; lung lymph node: + <i>Carnobacterium maltaromaticum</i> , <i>Acinetobacter</i> sp., a-haemolytic streptococci, <i>E. coli</i> ; spleen: ++ <i>Carnobacterium maltaromaticum</i> ; + <i>Bacillus</i> sp., <i>Pantoea agglomerans</i> , yeasts, <i>Myroides</i> sp., <i>E. coli</i> ; liver: ++ <i>Carnobacterium maltaromaticum</i> , <i>Acinetobacter</i> sp., yeasts; + <i>E. coli</i> , <i>Pantoea agglomerans</i> , <i>Proteus</i> sp.; kidney: ++ <i>Carnobacterium maltaromaticum</i> , <i>Acinetobacter</i> sp.; + yeasts, <i>Enterococcus faecalis</i> , <i>Pantoea agglomerans</i> ; intestine: + yeasts; mesenteric lymph node: + yeasts, <i>E. coli</i> ; brain: + <i>Carnobacterium maltaromaticum</i> , <i>E. coli</i>

93	Pp	no	24.08.2017	yes	emphysema within the abdominal musculature, the pleura, the peritoneum and several organs; haematoma in the blubber and the musculature of the left body wall; haematoma in the area of the left kidney; diarrhoea	Lung: mild infection in the blood vessels; heart: mild infection in the right ventricle; right ear: mild infection	lung: ++ <i>Proteus</i> sp., $\alpha$ -haemolytic streptococci, <i>E. coli</i> ; + <i>Serratia</i> sp., <i>Acinetobacter</i> sp., <i>Enterococcus</i> sp.; spleen: + $\alpha$ -haemolytic streptococci, <i>E. coli</i> , <i>Enterococcus</i> sp.; intestine: + yeasts; kidney: ++ <i>Saprolegnia</i> sp.; + <i>E. coli</i> , <i>Proteus</i> sp., $\alpha$ -haemolytic streptococci, non-fermenter; liver: + <i>Saprolegnia</i> sp., <i>Proteus</i> sp., <i>E. coli</i> , $\alpha$ -haemolytic streptococci, <i>Enterococcus</i> sp.
130	Pp	no	13.07.2017	yes	severely changed, multi-cystic adrenal glands; severe chronic, multifocal cholangiohepatitis; small tumour at the diaphragm; several, small skin cuts; mild, subacute, diffuse emphysema of the lung; severe, acute, diffuse, alveolar and interstitial oedema of the lung	lung: moderate infection in bronchi and mild infection in blood vessels; liver: severe infection; ears not determined	lung: ++ <i>Enterococcus faecalis</i> ; + $\alpha$ -haemolytic streptococci, <i>E. coli</i> , <i>Pseudomonas putida</i> , <i>Streptococcus dysgalactiae</i> , yeasts, <i>Bacillus</i> sp.; pulmonal lymph node: ++ <i>Enterococcus faecalis</i> ; + <i>Streptococcus dysgalactiae</i> , <i>E. coli</i> , non-fermenter, yeasts, <i>Proteus</i> sp.; spleen: ++ <i>Enterococcus faecalis</i> ; + <i>Pseudomonas putida</i> , <i>E. coli</i> , yeasts, <i>Streptococcus dysgalactiae</i> ; liver: ++ <i>Enterococcus faecalis</i> ; + $\alpha$ -haemolytic streptococci, <i>E. coli</i> , <i>Pseudomonas putida</i> , yeasts; kidney: ++ <i>Enterococcus faecalis</i> ; + <i>Streptococcus dysgalactiae</i> , $\alpha$ -haemolytic streptococci, <i>E. coli</i> , <i>Bacillus</i> sp., yeasts, <i>Pseudomonas putida</i> , <i>Proteus</i> sp.; intestine: -; mesenteric lymph node: yeasts; brain: + <i>Enterococcus faecalis</i> , $\alpha$ -haemolytic streptococci, <i>Pseudomonas putida</i> , <i>E. coli</i>

131	Pp	no	07.08.2017	no	moderate emaciation; netmarks; skin lesions on snout, flipper and fluke; haemorrhages in the blubber; moderate, subacute, multifocal, granulomatous bronchopneumonia; moderate, acute, diffuse emphysema of the lung; haemorrhages in the mucosa of the stomach; mild, chronic, oligofocal, fibrotic cholangitis; severe, acute, diffuse, alveolar lung oedema; mild congestion of the lung	lung: severe infection in bronchi and moderate infection in blood vessels; heart: moderate infection right ventricle; liver: mild infection; ears: bilateral severe infection	lung: ++ <i>Chryseobacterium indologenes</i> ; + <i>E. coli</i> , yeasts, <i>Klebsiella oxytoca</i> , <i>Pseudomonas aeruginosa</i> ; pulmonal lymph node: ++ <i>Chryseobacterium indologenes</i> ; + <i>Pantoea</i> sp., yeasts, <i>E. coli</i> , <i>Pseudomonas aeruginosa</i> ; spleen: + <i>E. coli</i> , $\alpha$ -haemolytic streptococci; liver: + <i>Chryseobacterium indologenes</i> , <i>Klebsiella oxytoca</i> , <i>E. coli</i> , <i>Pseudomonas aeruginosa</i> ; kidney: ++ <i>Chryseobacterium indologenes</i> ; + <i>E. coli</i> , <i>Serratia marcescens</i> , yeasts, <i>Pseudomonas aeruginosa</i> ; intestine: -; mesenterial lymph node: + <i>E. coli</i> , yeasts; uterus: + <i>Chryseobacterium indologenes</i> , <i>E. coli</i> , yeasts, <i>Pseudomonas aeruginosa</i> ; brain: + <i>Stenotrophomonas maltophilia</i> , <i>Chryseobacterium indologenes</i> , <i>E. coli</i> , <i>Pseudomonas aeruginosa</i>
132	Pp	no	29.08.2017	no	linear skin wounds; mild, multifocal, petechial haemorrhages in the subcutis on the ventral abdominal wall; severe, diffuse congestion of the spleen and mesenterium; focal haematoma in the pancreas; mild liver congestion; diffuse haematoma under the capsule of the kidney; moderate congestion of the vessels of the right testis; moderate congestion of the lung; severe, diffuse, alveolar lung oedema; moderate congestion of the vessels of the brain and the meninges; suspicion of by-catch	none	pulomal lymph node: + <i>Pseudomonas nitroreductans</i> , <i>Pseudomonas putida</i> , <i>Pantoea agglomerans</i> , yeasts, <i>Bacillus</i> sp., <i>Enterococcus faecalis</i> , <i>E. coli</i> ; lung: + <i>Stenophomonas maltophilia</i> , <i>Pseudomonas putida</i> , <i>Serratia</i> sp., yeasts, <i>Pantoea agglomerans</i> , <i>E. coli</i> , <i>Enterococcus faecalis</i> ; brain: + <i>Pseudomonas nitroreductans</i> , <i>Pseudomonas putida</i> , <i>Serratia</i> sp., yeasts, <i>Enterococcus faecalis</i> ; mesenteric lymph node: + yeasts; intestine: + yeasts; spleen: + <i>Pseudomonas nitroreductans</i> , yeasts, <i>E. coli</i> , <i>Enterococcus faecalis</i> ; kidney: + <i>Pseudomonas nitroreductans</i> , <i>Stenotrophomonas maltophilia</i> , yeasts, <i>Bacillus</i> sp., <i>Proteus</i> sp., <i>E. coli</i> , <i>Enterococcus faecalis</i> ; liver: + <i>Pseudomonas nitroreductans</i> , yeasts, <i>Pseudomonas putida</i> , <i>Lelliottia amnigena</i> , <i>E. coli</i> , <i>Enterococcus faecalis</i>

135	Pp	no	04.11.2017	no	severe, acute, diffuse, alveolar bronchopneumonia; moderate, chronic, multifocal, granulomatous bronchopneumonia; mild, chronic, multifocal, necrotizing steatitis and dermatitis; mild, chronic, diffuse, follicular hyperplasia of the white pulpa; mild, chronic, focal, ulcerative gastritis; moderate, chronic, diffuse, necrotizing lymphadenitis of the mesenterial lymph node; severe, acute, diffuse, alveolar oedema of the lung; mild, acute, diffuse, congestion of the liver	lung: severe infection in bronchi and blood vessels; heart: mild infection in the right ventricle; ears: bilateral severe infection	lung: ++ <i>Vagococcus fluvialis</i> , <i>Bacillus</i> sp., <i>Pseudomonas putida</i> ; + <i>E. coli</i> , coagulase-negative staphylococci, <i>Enterococcus</i> sp., <i>Proteus</i> sp.; pulmonal lymph node: ++ <i>E. coli</i> , <i>Vagococcus fluvialis</i> , <i>Bacillus</i> sp., <i>Pseudomonas putida</i> ; + <i>Enterococcus</i> sp., <i>Proteus</i> sp.; spleen: + $\alpha$ -haemolytic streptococci, <i>Bacillus</i> sp., <i>E. coli</i> , <i>Enterococcus</i> sp.; liver: ++ <i>Vagococcus fluvialis</i> , <i>Bacillus</i> sp.; + <i>E. coli</i> , <i>Enterococcus</i> sp.; kidney: + <i>Bacillus</i> sp., <i>Vagococcus fluvialis</i> , <i>E. coli</i> , <i>Enterococcus</i> sp.; intestine: + <i>E. coli</i> ; mesenteric lymph node: -; brain: + <i>E. coli</i> , coagulase-negative staphylococci; uterus: + <i>Vagococcus fluvialis</i> , <i>Serratia marcescens</i> , <i>E. coli</i> , <i>Enterococcus</i> sp.
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136	Pp	no	16.11.2017	no	severe, acute, diffuse, alveolar bronchopneumonia; severe, chronic, multifocal, granulomatous bronchopneumonia; mild, chronic, oligofocal, granulomatous gastritis (2. compartment); mild, chronic, focal, pyogranulomatous gastritis (4. compartment); severe, chronic, diffuse, granulomatous gastritis (4. compartment); severe, chronic, diffuse, follicular hyperplasia of the white spleen pulpa; severe, chronic, diffuse, necrotizing lymphadenitis of the mesenterial lymph node; mild, chronic, diffuse, cortical hyperplasia of the mesenterial lymph node; severe, acute, diffuse, alveolar oedema of the lung; mild, acute, diffuse congestion of the liver	lung: severe infection in bronchi and moderate infection in the blood vessels; stomach: mild infection; ears: bilateral severe infection	lung: + <i>Bacillus</i> sp.; pulmonal lymph node: + coagulase-negative staphylococci; intestine: -; mesenterial lymph node: -; kidney: -; spleen: -; liver: -; brain: -; testis: -
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148	Ph	yes	11.06.2017	yes	severe, multifocal, subacute, abscess-forming lymphadenitis; severe, subacute, diffuse bronchopneumonia; severe hyperplasia of the spleen with mild follicular hyperplasia; moderate hypertrophy of the right heart; mild, acute, diffuse, alveolar oedema of the lung	lung: mild nematodes in bronchi; small intestine: mild acanthocephalan	lung: +++ <i>Hafnia alvei</i> , <i>Carnobacterium maltaromaticum</i> ; ++ <i>Raoultella planticola</i> , <i>Enterococcus casseliflavus</i> , <i>Streptococcus dysgalactiae</i> ; + <i>Proteus</i> sp.; lymphnode of the lung: <i>Hafnia alvei</i> , <i>Carnobacterium maltaromaticum</i> , <i>Enterococcus casseliflavus</i> ; ++ <i>Raoultella planticola</i> ; spleen: +++ <i>Hafnia alvei</i> ; ++ <i>Raoultella planticola</i> , <i>Enterococcus casseliflavus</i> ; + <i>Proteus</i> sp.; liver: <i>Hafnia alvei</i> , <i>Enterococcus durans</i> ; ++ <i>Raoultella planticola</i> , anhaemolytic streptococci; + <i>Proteus</i> sp.; brain: <i>Hafnia alvei</i> , anhaemolytic streptococci, <i>Carnobacterium maltaromaticum</i> ; ++ <i>Raoultella planticola</i> , <i>Streptococcus dysgalactiae</i> ; + <i>Proteus</i> sp.; swab of the abscess: +++ <i>Hafnia alvei</i> ; + <i>Enterococcus</i> sp., a-haemolytic streptococci; abscess: ++ <i>Hafnia alvei</i> , <i>Enterococcus casseliflavus</i> ; + <i>Raoultella planticola</i> , <i>Streptococcus dysgalactiae</i> , <i>Clostridium bifermentans</i> , <i>Fusobacterium varium</i> ; intestine: ++ <i>Yarowia lipolytica</i> , <i>E. coli</i> ; lymphnode of the intestine: + <i>E. coli</i> ; kidney: +++ <i>Hafnia alvei</i> ; ++ <i>Enterobacter cloacae</i> , <i>Streptococcus dysgalactiae</i> , a-haemolytic streptococci, <i>Enterococcus</i> sp.
169	Hg	no	02.07.2018	yes	mild, acute, diffuse, catarrhalic bronchopneumonia; mild chronic, focal, ulcerative colitis; mild, chronic, focal follicular hyperplasia of the mesenteric lymphnode; severe, chronic diffuse hyperplasia of the peyer patches in the ileum; mild, acute, focal, alveolar oedema	small intestine: mild acanthocephalan; colon: severe acanthocephalan	lung: +++ <i>Psychrobacter sanguinis</i> ; ++ <i>Streptococcus dysgalactiae</i> ; + <i>Myroides</i> sp.; liver: ++ $\beta$ -haemolytic streptococci, <i>Psychrobacter sanguinis</i> , <i>Myroides</i> sp.; + <i>E. coli</i> , <i>Enterococcus</i> sp.; kidney: ++ <i>Psychrobacter sanguinis</i> ; + <i>E. coli</i> , $\beta$ -haemolytic streptococci; intestine: -; spleen: ++ $\beta$ -haemolytic streptococci; + <i>Psychrobacter sanguinis</i> , <i>Pseudomonas putida</i> , anhaemolytic streptococci, <i>Bacillus</i> sp.; testis: + $\beta$ -haemolytic streptococci, <i>Psychrobacter sanguinis</i> , <i>Enterococcus</i> sp.; brain: + <i>Streptococcus dysgalactiae</i> , $\alpha$ -haemolytic streptococci

172	Pp	yes	24.05.2018	no	moderate, chronic, multifocal, granulomatous bronchopneumonia; severe follicular hyperplasia of the spleen; severe, chronic, diffuse, follicular hyperplasia of the mesenterial lymph node; severe, chronic, multifocal bile duct hyperplasia/cholangitis; severe, chronic, diffuse, cortex hyperplasia of the adrenal glands; severe, chronic, diffuse hyperplasia of the thyroid; severe, acute, diffuse, alveolar oedema of the lung	lung: severe infection in bronchi and mild infection in blood vessels; liver: mild infection; ears: bilateral severe infection	lung: +++ <i>Streptococcus dysgalactiae</i> ; ++ <i>E. coli</i> ; pulmonal lymph node: +++ <i>Streptococcus dysgalactiae</i> ; + <i>E. coli</i> ; spleen: +++ <i>Streptococcus dysgalactiae</i> ; + <i>E. coli</i> ; liver: + <i>Streptococcus dysgalactiae</i> , <i>E. coli</i> ; kidney: ++ <i>Streptococcus dysgalactiae</i> ; + <i>E. coli</i> ; intestine: + <i>E. coli</i> ; mesenterial lymph node: + <i>E. coli</i> ; uterus: +++ <i>Streptococcus dysgalactiae</i> ; + <i>E. coli</i> ; mamma: +++ <i>Streptococcus dysgalactiae</i> ; + <i>E. coli</i> ; brain: ++ <i>Streptococcus dysgalactiae</i> , <i>E. coli</i> ; + <i>Pseudomonas aeruginosa</i>
193	Pp	yes	02.08.2018	no	mild, acute congestion of the liver; moderate, focal, activation of the lymphatic tissue; severe, acute, diffuse, alveolar oedema of the lung; suspicion of by-catch	none	lung: + <i>Lelliottia amnigena</i> , <i>Klebsiella pneumoniae</i> , <i>Proteus</i> sp.; pulonal lymph node: + <i>Klebsiella pneumoniae</i> ; spleen: -; liver: -; kidney: + <i>Lelliottia amnigena</i> , <i>Pantoea agglomerans</i> , <i>Pseudomonas aeruginosa</i> , <i>E. coli</i> ; intestine: -; mesenterial lymph node: -; testis: -
208	Ph	yes	02.09.2018	no	mild, chronic, multifocal, cortical follicular hyperplasia of the mesenteric lymphnode; mild, acute, catarrhalic gastritis of the glandular fundus region; mild, chronic, diffuse, catarrhalic bronchopneumonia; haemoperitoneum; severe, acute, diffuse, alveolar lung oedema; severe, acute, diffuse lung congestion; suspicion of sepsis	small intestine: moderate acanthocephalan	intestine: + <i>E. coli</i> ; lung: ++ <i>Acinetobacter</i> sp.; + <i>Shewanella putrefaciens</i> , $\alpha$ -haemolytic streptococci, yeast, <i>Proteus</i> sp., <i>E. coli</i> ; liver: ++ <i>Lactococcus garvieae</i> ; + <i>Proteus</i> sp., <i>Aeromonas veronii</i> , <i>E. coli</i> ; kidney: + <i>Lactococcus garvieae</i> , <i>Morganella morganii</i> , <i>Proteus</i> sp., <i>E. coli</i> ; spleen: + <i>Lactococcus garvieae</i> , $\alpha$ -haemolytic streptococci, <i>Proteus</i> sp., <i>E. coli</i> ; pulmonal lymphnode: ++ <i>Lactococcus garvieae</i> ; + <i>Morganella morganii</i> , <i>Shewanella putrefaciens</i> , $\alpha$ -haemolytic streptococci, yeast, <i>Proteus</i> sp., <i>E. coli</i> ; testis: + <i>Aeromonas</i> sp., $\alpha$ -haemolytic streptococci, <i>E. coli</i> ; brain: <i>Proteus</i> sp., <i>Shewanella putrefaciens</i> , <i>Lactococcus garvieae</i> , <i>E. coli</i> ; mesenteric lymphnode:

210	Ph	no	12.06.2018	no	no necropsy report	stomach/small intestine: tapeworm (unknown severity); colon: acanthocephalan (unknown severity); investigation of other organs unknown	nose: +++ <i>Shewanella</i> spp., <i>Pseudomonas</i> spp., <i>Aeromonas</i> spp., + <i>E. coli</i> ; vagina: +++ <i>Pseudomonas</i> spp., + <i>E. coli</i> var. <i>haem.</i> , a-haemolytic streptococci
211	Ph	yes	13.06.2018	no	no necropsy report	colon: mild acanthocephalan infection; investigation of other organs unknown	rectum: +++ <i>Pseudomonas</i> spp., + <i>E. coli</i> , <i>Shewanella</i> spp.
212	Ph	yes	14.06.2018	no	no necropsy report	small intestine: acanthocephalan infection of unknown severity; investigation of other organs unknown	rectum: +++ <i>Pseudomonas</i> spp., <i>Shewanella</i> spp.; ++ <i>E. coli</i> var. <i>haem.</i> , + <i>E. coli</i> , (+) <i>Clostridium perfringens</i>
214	Ph	yes	14.06.2018	no	right adrenal glands enlarged + mild hyperplasia of the cortex; cyst in the uterus; multiparus; 5 cm sized cyst left side of the third cervicale vertebra	small intestine and caecum: mild acanthocephalan infection; negative: lung, heart, liver; unknown: stomach, skin	rectum: +++ <i>E. coli</i> , <i>Pseudomonas</i> spp., <i>Clostridium perfringens</i> ; ++ <i>Shewanella</i> spp.; vagina: +++ Pasteurellaceae, <i>Pseudomonas</i> spp.; ++ <i>E. coli</i> ; + <i>Shewanella</i> spp.; uterus: +++ <i>E. coli</i> , <i>Pseudomonas</i> spp.; left cornus uteri: +++ <i>E. coli</i> , <i>Pseudomonas</i> spp., <i>Shewanella</i> spp.

215	Pv	yes	18.10.2018	yes	cachexia; severe, acute, diffuse, catarrhalic bronchopneumonia; mild, acute, diffuse, interstitial lung emphysema; severe, acute, diffuse, catarrhalic conjunctivitis; mild, acute, diffuse, alveolar lung oedema	heart: mild in the right atrium; small intestine: mild acanthocephalan	lung: +++ <i>Enterococcus faecalis</i> ; ++ <i>E. coli</i> ; + <i>Proteus</i> sp., yeast, <i>Myroides</i> sp.; pulmonal lymphnode: ++ <i>Enterococcus faecalis</i> , <i>E. coli</i> ; + <i>Proteus</i> sp., <i>Myroides</i> sp.; spleen: ++ <i>Enterococcus faecalis</i> , <i>E. coli</i> ; + <i>Proteus</i> sp., <i>Myroides</i> sp.; liver: +++ <i>Enterococcus faecalis</i> ; ++ <i>E. coli</i> ; + <i>Proteus</i> sp., <i>Myroides</i> sp.; kidney: +++ <i>Enterococcus faecalis</i> ; ++ <i>E. coli</i> ; + <i>Proteus</i> sp., <i>Myroides</i> sp., yeast; intestine: ++ <i>E. coli</i> ; + yeast; swab of the eye: +++ <i>Pseudomonas</i> sp., <i>E. coli</i> , <i>Pantoea agglomerans</i> ; ++ <i>Enterococcus faecalis</i> , <i>Chryseobacterium scophthalmum</i> ; + <i>Proteus</i> sp., <i>Myroides</i> sp.; uterus: +++ <i>Enterococcus faecalis</i> ; ++ <i>E. coli</i> , yeast; + <i>Proteus</i> sp., <i>Myroides</i> sp.; brain: +++ <i>Enterococcus faecalis</i> ; ++ <i>Raoultella planticola</i> , <i>E. coli</i> ; + <i>Proteus</i> sp., <i>Myroides</i> sp.
216	Pp	no	29.10.2018	yes	moderate emaciation; luxation of 3 ribs; haemorrhages in the subcutis and rete mirabile; mild lung congestion; suspicion of trauma	none	not determined
218	Pp	no	15.11.2018	yes	moderate focal haemorrhages in the acoustic fatty tissue of the left side; moderate, oligofocal, areal hypertrophia of the mucosa of the small intestine; mild, oligofocal liver cell necrosis; suspicion of by-catch	none	lung: +++ <i>Lelliottia amnigena</i> ; ++ <i>Enterococcus faecalis</i> ; + <i>E. coli</i> ; pulmonal lymph node: ++ <i>Lelliottia amnigena</i> , <i>Enterococcus faecalis</i> ; + <i>E. coli</i> , <i>Proteus</i> sp., <i>Myroides</i> sp.; spleen: ++ <i>Enterococcus faecalis</i> ; + <i>E. coli</i> , <i>Pantoea agglomerans</i> , $\alpha$ -haemolytic streptococci; liver: ++ <i>Lelliottia amnigena</i> , <i>Enterococcus faecalis</i> ; + <i>E. coli</i> , <i>Pantoea agglomerans</i> ; kidney: ++ <i>Lelliottia amnigena</i> , <i>Enterococcus faecalis</i> ; + <i>E. coli</i> , <i>Pantoea agglomerans</i> ; intestine: -; mesenterial lymph node: + <i>E. coli</i> ; testis: ++ <i>Lelliottia amnigena</i> , <i>Lactococcus garvieae</i> , <i>Enterococcus faecalis</i> ; + <i>Pantoea agglomerans</i> , <i>Myroides</i> sp., <i>E. coli</i>

221	Pp	no	17.11.2018	no	severe, chronic, multifocal, granulomatous bronchopneumonia; mild, chronic, focal, pyogranulomatous bronchopneumonia; severe, chronic, diffuse, granulomatous gastritis (4. compartment); mild chronic, focal, necrotizing steatitis; mild, chronic, focal, pyogranulomatous statitis; severe, acute, diffuse, follicular hyperplasia; severe, acute, diffuse hyperplasia of the tonsil; severe, acute, diffuse, alveolar oedema of the lung; mild, acute, diffuse congestion of the liver; by-catch	lung: severe infection in the bronchi and moderate infection in the blood vessels; heart: mild infection of the right atrium; liver: mild infection; ears: severe infection bilateral	lung: ++ <i>Acinetobacter</i> sp.; + <i>Proteus</i> sp., <i>E. coli</i> , α-haemolytic streptococci, anhaemolytic streptococci, <i>Streptococcus phocae</i> , <i>Enterococcus</i> sp.; pulmonal lymph node: ++ <i>Psychrobacter sanguinis</i> ; + <i>E. coli</i> , α-haemolytic streptococci, anhaemolytic streptococci, <i>Streptococcus phocae</i> , <i>Pseudomonas rhodesiae</i> , <i>Enterococcus</i> sp., <i>Proteus</i> sp.; spleen: ++ <i>Psychrobacter sanguinis</i> ; + <i>E. coli</i> , coagulase-negative streptococci, <i>Enterococcus faecalis</i> ; liver: + <i>Psychrobacter sanguinis</i> ; <i>E. coli</i> , coagulase-negative streptococci, <i>Pseudomonas rhodesiae</i> , <i>Enterococcus faecalis</i> , <i>Proteus</i> sp.; kidney: ++ <i>E. coli</i> , anhaemolytic streptococci; + <i>Proteus</i> sp., α-haemolytic streptococci; intestine: -; mesenterial lymph node: -; stomach: ++ <i>Psychrobacter sanguinis</i> , <i>Penicillium</i> sp.; + <i>E. coli</i> , anhaemolytic streptococci, <i>Proteus</i> sp., <i>Enterococcus faecalis</i> , <i>Yarrowia lipolytica</i> ; testis: + <i>Enterococcus faecalis</i> , <i>Enterococcus faecium</i> , <i>Pantoea agglomerans</i> ; brain: + <i>Staphylococcus lugdunensis</i> , <i>Pseudomonas putida</i>
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222	Pp	yes	03.12.2018	no	severe, chronic, diffuse, granulomatous bronchopneumonia; cholangitis, pericholangitis and proliferation of the bile ducts; mild, acute, diffuse, ulceration of the oesophagus; severe, chronic, diffuse, granulomatous lymphadenitis of the mesenterial lymph node; suspicion of acute, diffuse cystitis; suspicion of acute, diffuse tonsillitis bilateral; suspicion of mild, acute, multifocal plaques of the stomach mucosa; multiple net marks; severe, acute, diffuse, alveolar, oedema of the lung; severe, acute, diffuse congestion of the lung and liver; by-catch	lung: severe infection in the bronchi and moderate infection in the blood vessels; ears: severe infection bilateral	lung: + <i>Enterococcus</i> sp., <i>Morganella morganii</i> ; pulmonal lymph node: + <i>Enterococcus</i> sp.; spleen: -; liver: -; kidney: + coagulase-negative staphylococci, <i>Pseudomonas</i> sp., <i>Enterococcus</i> sp.; intestine: -; mesenterial lymph node: -; testis: + non-fermenter; brain: + <i>Enterococcus</i> sp.
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223	Pv	yes	06.12.2018	yes	cachexia; moderate, subacute, diffuse, granulomatous bronchopneumonia; wounds on the head; diarrhoea; mild cystitis; mild, acute, diffuse lung oedema	lung: moderate infection in bronchi and blood vessels; small intestine: mild acanthocephalan	lung: +++ <i>Streptococcus phocae</i> ; + <i>Brucella</i> sp., <i>Proteus</i> sp., <i>Pantoea agglomerans</i> , <i>E. coli</i> , <i>Enterococcus</i> sp.; pulmonal lymph node: ++ <i>Streptococcus phocae</i> , anhaemolytic streptococci; + <i>Proteus</i> sp., <i>Pantoea agglomerans</i> , <i>E. coli</i> , <i>Enterococcus</i> sp., moult fungus; spleen: ++ <i>Streptococcus phocae</i> ; + <i>Proteus</i> sp., <i>Pantoea agglomerans</i> , <i>E. coli</i> , <i>Enterococcus</i> sp., moult fungus; liver: ++ <i>Streptococcus phocae</i> ; + <i>Proteus</i> sp., <i>Pantoea agglomerans</i> , <i>E. coli</i> , <i>Enterococcus</i> sp., moult fungus; kidney: ++ <i>Streptococcus phocae</i> , <i>Streptococcus dysgalactiae</i> , <i>Pantoea agglomerans</i> ; + <i>Proteus</i> sp., <i>E. coli</i> , <i>Enterococcus</i> sp.; intestine: + <i>E. coli</i> ; mesenterial lymph node: + <i>E. coli</i> ; testis: + <i>Pantoea agglomerans</i> , <i>E. coli</i> , <i>Enterococcus</i> sp.; brain: +++ <i>Streptococcus phocae</i> ; ++ <i>Pantoea agglomerans</i> , <i>Proteus</i> sp., <i>E. coli</i> , <i>Enterococcus</i> sp.; + moult fungus
226	Ph	no	04.06.2019	no	moderate endoparasitosis	small intestine: moderate acanthocephalan (in the middle part); large intestine: mild acanthocephalan; part small to large intestine: severe acanthocephalan	liver: (+) <i>Staph. saprophyticus</i> , <i>Athrobacter</i> spp., <i>Micrococcus luteus</i> ; spleen: (+) $\alpha$ -haemolytic streptococci; kidney: (+) <i>Pseudomonas</i> spp.; Lunge: + <i>Pseudomonas</i> spp., $\alpha$ -haemolytic streptococci, <i>Pasteurellaceae</i> ; pulmonal lymphnode: (+) $\alpha$ -haemolytic streptococci; intestine: (+) <i>Pseudomonas</i> spp., + <i>Psychrobacter</i> spp., <i>Kocuria</i> spp., <i>Clostridium perfringens</i> ; mesenterial lymphnode: (+) <i>Pseudomonas</i> spp., + <i>Psychrobacter</i> spp.; CNS: (+) <i>Pseudomonas</i> spp., (+) <i>Pseudomonas</i> spp., + <i>Psychrobacter</i> spp.; rectal swab: + <i>Pseudomonas</i> spp.

227	Ph	yes	05.06.2019	no	serositis spleen, moderate endoparasitosis	small intestine: moderate acanthocephalan; large intestine: moderate acanthocephalan	liver: (+) <i>E. coli</i> ; spleen: (+) <i>E. coli</i> , <i>E. coli</i> var. <i>haemolytica</i> ; kidney: (+) <i>E. coli</i> ; lung: (+) <i>E. coli</i> , coryneform bacteria; pulmonal lymphnode: (+) coryneform bacteria; intestine: +++ <i>Clostridium perfringens</i> ; mesenteric lymphnode: (+) <i>E. coli</i> ; uterus: + <i>Sc. dysgalactiae</i> ; rectal swab: +++ <i>Cl. perfringens</i> , <i>Providencia rettgeri</i> , <i>Pseudomonas</i> spp., ++ <i>E. coli</i> ; vaginal swab: +++ <i>Pseudomonas</i> spp., + <i>E. coli</i> , <i>Cl. perfringens</i>
228	Ph	yes	05.06.2019	no	moderate chronic colitis; severe infection with acanthocephalan; mild, acute, diffuse, granulomatous pneumonia; mild follicular hyperplasia of the spleen; moderate hyperplasia of the adrenal cortex	small intestine: second half with mild acanthocephalan; large intestine: severe acanthocephalan	spleen and lung: (+) $\alpha$ -haemolytic streptococci, coryneform bacteria; testis: (+) coryneform bacteria; rectal swab: +++ <i>Shewanella</i> spp., + <i>E. coli</i> , <i>Sc. dysgalactiae</i>
229	Ph	no	05.06.2019	no	diarrhoea; moderate infection with acanthocephalan; mild, acute, oligofocal, granulomatous pneumonia	small and large intestine: moderate acanthocephalan	spleen: <i>Staph. warneri</i> , <i>Sc. dysgalactiae</i> ssp. <i>equisimilis</i> , $\alpha$ -haemolytic streptococci; kidney and intestine: (+) <i>Sc. dysgalactiae</i> ssp. <i>equisimilis</i> ; testis: + <i>Sc. dysgalactiae</i> ssp. <i>equisimilis</i> ; rectal swab: +++ <i>Pseudomonas</i> spp.
230	Ph	no	06.06.2019	no	moderate, chronic, ulcerative colitis; moderate to severe infection of acanthocephalan; ovarian cyst (left ovary)	small intestine: severe acanthocephalan; large intestine: moderate acanthocephalan	liver, spleen, kidney, mesenteric lymphnode: + <i>E. coli</i> , <i>E. coli</i> var. <i>haem.</i> ; lung, pulmonal lymphnode, CNS, uterus: (+) <i>E. coli</i> , <i>E. coli</i> var. <i>haem.</i> ; intestine: (+) <i>E. coli</i> var. <i>haem.</i> ; rectal swab: +++ <i>E. coli</i> , <i>Cl. perfringens</i> , <i>Acinetobacter</i> spp.; + <i>E. coli</i> var. <i>haem.</i> ; vaginal swab: +++ <i>E. coli</i> , <i>Stenothrophomonas</i> spp.; + <i>E. coli</i> var. <i>haem.</i> , <i>Pantoea</i> spp.
231	Ph	no	07.06.2019	no	moderate infection with acanthocephalan; mild, acute, diffuse pneumonia; pulmonal lymphadenitis; moderate follicular hyperplasia of the spleen; abrasion of the claws of the forelimbs; mild oesophagitis	small intestine and colon: moderate acanthocephalan	intestine: (+) <i>Cl. perfringens</i> ; rectal swab: ++ <i>Cl. perfringens</i> , + <i>Pseudomonas</i> spp., <i>Corynebacterium</i> spp., $\alpha$ -haemolytic streptococci; vaginal swab: no growth



232	Ph	yes	07.06.2019	no	ovarian cyst (left ovary); moderate, chronic enteritis; mild, diffuse, catarrhalic enteritis; mild acanthocephalan infection; mild follicular hyperplasia of the spleen; mild lung emphysema	small intestine: mild acanthocephalan; large intestine: mild acanthocephalan	spleen, kidney: (+) <i>E. coli</i> , <i>E. coli</i> var. <i>haemolytica</i> ; intestine: (+) <i>E. coli</i> , <i>E. coli</i> var. <i>haemolytica</i> , <i>Cl. perfringens</i> ; lung: + <i>Corynebacterium</i> spp., (+) $\alpha$ -haemolytic streptococci, <i>Bisgaardia hudsonensis</i> ; mesenteric lymphnode: (+) <i>E. coli</i> ; Uterus: (+) <i>Pseudomonas</i> spp., <i>Moraxella</i> spp.; rectal swab: ++ <i>E. coli</i> , <i>Cl. perfringens</i> , + <i>E. coli</i> var. <i>haem.</i> ; vaginal swab: +++ <i>Pseudomonas</i> spp., + <i>E. coli</i> , <i>E. coli</i> var. <i>haem.</i>
233	Ph	yes	07.06.2019	no	moderate infection with acanthocephalan; mild emphysema of the lung; mild follicular hyperplasia of the spleen	small intestine: moderate acanthocephalan; large intestine: mild acanthocephalan	kidney, lung, pulmonal lymphnode: (+) <i>Pseudomonas</i> spp.; liver: (+) <i>E. coli</i> ; spleen: (+) <i>Staph. equorum</i> ; intestine: + <i>Cl. perfringens</i> , (+) <i>Pseudomonas</i> spp., aerobic <i>bacillus</i> spp.; uterus: + <i>E. coli</i> var. <i>haem.</i> , (+) <i>Pseudomonas</i> spp., $\alpha$ -haemolytic streptococci; rectal swab: +++ <i>Hafnia alvei</i> , <i>E. coli</i> var. <i>haem.</i> , (+) <i>Cl. perfringens</i> ; vaginal swab: +++ <i>Hafnia alvei</i> , <i>Pseudomonas</i> spp., ++ yeasts, + <i>Pantoea</i> spp., <i>Cl. perfringens</i>
234	Ph	yes	07.06.2019	no	moderate body condition; moderate infection with acanthocephalan; moderate, chronic cholecystitis; moderate fibrosis of the left atrioventricular valve	small intestine: mild acanthocephalan; colon: moderate acanthocephalan	lung: (+) Pasteurellaceae; CNS: (+) $\alpha$ -haemolytic streptococci, <i>Pseudomonas</i> spp.; <i>Psychrobacter</i> spp.; rectal swab +++ <i>E. coli</i> var. <i>haem.</i> , <i>Pseudomonas</i> spp., (+) <i>Aeromonas</i> spp.
235	Ph	no	08.06.2019	no	moderate infection with acanthocephalan; mild, focal atelectasis of the lung	small intestine: mild acanthocephalan; colon: moderate acanthocephalan	lung: + <i>Neisseria</i> sp., (+) <i>Sc. dysgalactiae</i> spp. <i>equisimilis</i> ; pulmonal lymphnode: (+) <i>Neisseria</i> sp., <i>E. coli</i> var. <i>haem.</i> ; intestine: <i>Cl. perfringens</i> ; CNS: + <i>Neisseria</i> spp., <i>Corynebacterium</i> spp., <i>E. coli</i> var. <i>haem.</i> ; uterus: (+) <i>E. coli</i> var. <i>haem.</i> ; rectal swab: +++ <i>Pantoea</i> spp., <i>Shewanella</i> spp., <i>Pseudomonas</i> spp., (+) yeasts; vaginal swab: + <i>Staphylococcus</i> spp

Table S3: Necropsy findings. The table lists all necropsied marine mammals, their sample IDs, the species (Pv = *Phoca vitulina* (harbour seal), Hg = *Halichoerus grypus* (grey seal), Ph = *Phusa hispida*, Pp = *Phocoena phocoena* (harbour porpoise)), if antimicrobial-resistant *E. coli* were isolated from the sample, date of necropsy, freezing prior to necropsy, main macroscopic findings, parasitic burdens, and results of microbiology testing of tissues.