

Supplementary Table S1: Details of recorded from laboratory information management systems (LIMS) of cases of RHDV2 in Ireland and Northern Ireland during outbreaks in 2018–2019.

I/D	Date of Submission	Species	Domestic/Wild	History	Gross PM findings	Histopathology	Other conditions (parasites?)
Lime/18/02031	20/08/2018	Rabbit	Domestic x 4	100% mortality in group of 23 rabbits; Short duration of illness (<1 day); Some nervous signs	Focal liver abscess in one rabbit	Liver: acute necrotising hepatitis	<i>Staphylococcus</i> spp. Isolated from liver abscess
Cork/18/02665	21/08/2018	Rabbit	Domestic	9-week-old rabbit. Six of eight rabbits in litter have died.	Body condition: poor; Lungs: hyperaemia and oedema;	Liver: peracute to acute massive hepatic necrosis	Parasitology: coccidial oocysts detected in intestinal contents (significance undetermined)
GVir/18/01633	04/12/2018	Rabbit	Domestic	Diagnostic sample	Not applicable	Not applicable	
2019–20022 (A)	25/01/2019	Rabbit	Domestic	Sudden death. No signs noted	Pulmonary hyperaemia;	Liver: massive hepatocellular necrosis; periportal lymphocytic infiltration; Lung: necrosis of the vascular endothelium with lymphocytic infiltration of the perivascular spaces.	
2019–20022 (B)	25/01/2019	Rabbit	Domestic	Sudden death. No signs noted	Pulmonary hyperaemia; Kidneys: subcapsular petechial haemorrhages	Liver: periportal, necrotising hepatitis. Lung: necrosis of the vascular endothelium with lymphocytic infiltration of the perivascular spaces.	

Cork/19/01277	15/04/2019	Rabbit	Domestic	14-week old rabbit displaying lethargy and progressing quickly to death. 13 animals have died in a group of 16.	Unremarkable	Liver: necrotising hepatitis	Parasitology: light coccidial burden in intestinal contents
Cork/19/01892	20/06/2019	Rabbit	Domestic	Two 4-5-month old rabbits. Sudden death.	Not reported	Not reported	
Lime/19/01549	10/07/2019	Rabbit	Wild	Found dead	Autolysed	Not applicable	
GVir/19/00931	25/07/2019	Rabbit	Wild	Diagnostic sample	Not applicable	Not applicable	
Kilk/19/02024	25/07/2019	Hare	Wild	Juvenile hare noticed running in circles before dropping dead	Lung: mild multifocal hyperaemia; large volume soft green large intestinal contents	Liver: Multifocal, random, necrotising hepatitis - acute. Spleen: depletion of red pulp.	
Lime/19/01737	12/08/2019	Rabbit	Wild	One of several visibly sick and dying rabbits seen by the National Parks and Wildlife Service (NPWS) Conservation Ranger on an island	Unknown	Unknown	
Kilk/19/02157	14/08/2019	Hare	Wild	Not provided	Lungs: mild hyperaemia; Kidneys: hyperaemia	Liver: peracute to acute, multifocal necrotising hepatitis;	
Slig/19/03326	15/08/2019	Rabbit	Wild	Found dead. Recent disappearance of rabbits in the locality - some noticed to be lethargic and not eating.	Autolysed.	Not applicable	

Lime/19/01831	26/08/2019	Rabbit	Wild	Two rabbits found dead in close proximity. One scavenged and unsuitable for necropsy	Unremarkable.	Not applicable
Cork/19/02403	27/08/2019	Rabbit	Wild	Convulsing	Intestine: multifocal, serosal petechial haemorrhages	Liver: acute, severe, periportal, necrotising hepatitis; Kidney: multifocal haemorrhages; Heart: multifocal myocardial haemorrhages; Unremarkable
Athl/19/01799 (1)	30/08/2019	Rabbit	Wild	Found dead	Liver and lungs: multifocal haemorrhages	Liver: acute, severe, necrohaemorrhagic hepatitis
Athl/19/01799 (2)	30/08/2019	Rabbit	Wild	Found dead	Lungs: multifocal haemorrhages	Liver: acute, multifocal necrotising hepatitis; biliary coccidiosis
Kilk/19/02288	04/09/2019	Rabbit	Wild	Not provided	Lungs: bilateral, focally extensive haemorrhages in caudal lobes	Liver: acute, multifocal to coalescing, necrotising hepatitis; Lungs: diffuse hyperaemia and multifocal alveolar haemorrhages
GVir/19/01156	10/09/2019	Rabbit	Domestic	Diagnostic sample	Not applicable	Not applicable
Kilk/19/02410	19/09/2019	Rabbit	Domestic	Not provided; lung, liver and spleen submitted for PCR	Not applicable	Not applicable
Dubl/19/00429	26/09/2019	Rabbit	Wild	Young female rabbit found dead	Liver: 3-4 1mm pale raised foci.	Liver: Severe, acute, periportal necrotising

						hepatitis and biliary coccidiosis.	
Kilk/19/02491	27/09/2019	Rabbit	Wild	Not provided	Lungs: ecchymotic haemorrhages	Liver: multifocal, primarily periportal, acute necrotising hepatitis; Lungs: mild, eosinophil-rich interstitial pneumonia	
Kilk/19/02493	27/09/2019	Rabbit	Wild	Not provided	Autolysed. Mucous membranes pale; blood clots in thoracic and abdominal cavities	Unsuitable (autolysis)	
Dubl/19/00432	30/09/2019	Rabbit	Wild	Found dead	Autolysed. Unremarkable	Unsuitable (autolysis)	
Dubl/19/00438	01/10/2019	Hare	Wild	Neurological signs; died shortly after being brought to veterinary surgery	Unremarkable	Liver: acute, severe, necrotising periportal hepatitis	
Kilk/19/02514	01/10/2019	Rabbit	Wild	Eyelids swollen with white discharge	Multifocal haemorrhage in abdominal cavity; kidneys: ecchymotic haemorrhage on surface of left kidney	Not reported	
Kilk/19/02557	07/10/2019	Rabbit	Wild	Not provided	Not applicable	Not applicable	
Dubl/19/00450	08/10/2019	Rabbit	Wild	Found dead	Autolysis; no obvious gross lesions identified	Unsuitable (autolysis)	
Lime/19/02154	09/10/2019	Rabbit	Wild	2 rabbits found dead	One had caudal skull fracture	Not reported	High parasite burden
Cork/19/02846	16/10/2019	Rabbit	Wild	Not provided	Not reported	Liver: acute, periportal and midzonal necrotising hepatitis; Lungs: interstitial	

						pneumonia and haemorrhage	
Athl/19/02067	17/10/2019	Rabbit	Domestic	One of two rabbits to die. Both sick for one day. Anorexic, lethargic, drinking a lot	Orbital abscess	Liver: acute, necrotising, periportal hepatitis	
Kilk/19/02655	17/10/2019	Rabbit	Wild	Found in extremis	Multifocal serosal haemorrhages in stomach, intestines and lungs.	Liver: subacute, periportal and midzonal necrotising hepatitis; Lungs: mild to moderate interstitial pneumonia with mild, multifocal haemorrhage	
Dubl/19/00465	18/10/2019	Hare	Wild	Hare x 1, found dead in field at a Farm, Gorey, Co Wexford, maybe 5 days dead.	Findings is consistent with the PCR finding of Rabbit Haemorrhagic Disease.	Histopathology: Severe periportal acute hepatic necrosis.	Some biliary coccidiosis.
GVir/19/01307	21/10/2019	Rabbit	Domestic	Diagnostic sample	Not applicable	Not applicable	
Cork/19/02898	22/10/2019	Rabbit	Wild	Not provided	Not reported	Histopathology: hepatocellular degeneration and necrosis.	
Kilk/19/02715 (1)	23/10/2019	Rabbit	Wild	Two rabbits. RHD suspected clinically	Lungs: multifocal areas of hyperaemia	Liver: acute, moderate, multifocal necrotising hepatitis; Lungs: mild, interstitial pneumonia	
Kilk/19/02715 (2)	23/10/2019	Rabbit	Wild	Two rabbits. RHD suspected clinically	Unremarkable	Liver: acute, multifocal necrotising hepatitis; Lungs: mild, interstitial pneumonia; Lungs: congested and oedematous,	

Kilk/19/02751	29/10/2019	Hare	Wild	Found dead as part of RHD passive surveillance	Autolysis. Small volume of blood tinged froth in trachea and at nares. Congested (autolysed) liver.	Liver: sinusoidal leukocytosis	
Cork/19/03020	01/11/2019	Rabbit	Wild	Not provided	Not reported	Liver: acute, necrotising, hepatitis	
2019-14567	25/11/2019	Rabbit	Domestic	Sudden death. No signs noted	Hepatomegally; pulmonary hyperaemia and oedema with petechiation; scant, liquid intestinal contents	Liver: multifocal to coalescing necrotising hepatitis. Lung: mild peribronchial lymphocytic cuffing; congestion; oedema and haemorrhage in alveoli. Kidneys: Cortical and medullary haemorrhage. Heart: multifocal myocardial haemorrhage. Spleen: multifocal haemorrhages	Parasitology: 700 epg of strongyle eggs (borderline clinical significance).
Cork/19/03579	16/12/2019	Rabbit	Domestic	Second rabbit to die from group of 3 in last 36 hours; Malaise.	Slight excess serosanguinous fluid in abdominal cavity; Lungs: hyperaemic and oedematous with mild, pleural petechiation	Not reported	Parasitology: coccidial oocysts in faeces (incidental finding)