



Supplementary data

Supplementary Table S1. Sequences of primers used for gene expression analysis and viral replication detection. Gene accession numbers and slope values for primer efficiency calculation have also been included.

Gene name Gene accession number	Symbol Slope	Forward	Reverse
<i>Superoxide dismutase 2</i> ENSSMAG00000017117	<i>sod2</i> -3.39	GGCTGGGCTATGACAAGGAG	TCTGCCGTGTTTCCTCTGTC
<i>Superoxide dismutase 3</i> ENSSMAG00000008541	<i>sod3</i> -3.551	GGCAGGCAGTCAACAATGTG	AGTGAGGTGATGGGTCGGAT
<i>Glutathione peroxidase 3</i> ENSSMAG00000008452	<i>gpx3</i> -3.552	CTCGGACTCACTGTTCTCGG	AATCCGTTGCCTGGTCTGAC
<i>NADH-ubiquinone oxidoreductase</i> ENSSMAG00000015811	<i>ndufs1</i> -3.6306	GACTGGCAGAAGTTTCCCA	CAGCTTTCACACACTTGGCC
<i>NADPH oxidase organizer 1b</i> ENSSMAG00000009040	<i>noxo1b</i> -3.7148	GGTGGAAGTGGATGAGAGGC	CTCCTCACGGCACAGTACAG
<i>Neutrophil cytosolic factor 1</i> ENSSMAG00000010703	<i>ncf1</i> -3.4143	TCATCACCACCAACGCCTAC	CTCCTTTCCTGACGACCCAC
<i>Neutrophil cytosolic factor 2</i> ENSSMAG00000001354	<i>ncf2</i> -3.3209	ACCCACACTGTCCTGTTTG	CCAGTTGTCAGCACCTTCT
<i>Neutrophil cytosolic factor 4</i> ENSSMAG000000021193	<i>ncf4</i> -3.577	CCACCTACCCGCAAAGTGAA	TCTTCAGGTTCAACTCCGCC
<i>Eukaryotic elongation factor 1^a</i> XM_035620146.2	<i>eef1a</i> -3.32	GGAGGCCAGCTCAAAGATGG	ACAGTTCCAATACCGCCGATTT
<i>VHSV glycoprotein gene</i> AY546628.1	G-VHSV -3.4	CCCCTCGGATTGGTCATTC	AACAACAGCAAAGTACCAATAGAAGGA
<i>IPNV viral polypeptide 2 gene</i> MH614930.1	Vp2-IPNV -3.4	GCCAAGATGACCCAGTCCAT	TGACAGCTTGACCCTGGTGAT
<i>RGNNV capsid protein gene</i> JN662462.1	Cp-RGNNV -3.4	GACGCGCTTCAAGCAACTC	CGAACACTCCAGCGACACAGCA

Supplementary Table S2. Summary of sample-specific proteomic identifications, including sample name, total spectra acquired, identified spectra, number of unique peptides, and total proteins identified.

Sample	Total spectra	Identified spectra	Identified peptides	Identified proteins
Control_IP_1	84851	32102	20619	3529
Control_IP_2	82379	30383	19049	3310
Control_IP_3	81896	29377	20215	3547
VHSV_1	83910	30233	18981	3367
VHSV_2	79056	25575	17354	3240
VHSV_3	82820	28093	18213	3295
IPNV_1	82116	27443	17587	3223
IPNV_2	81663	26627	18019	3356
IPNV_3	82721	27556	18594	3351
Control_IM_HK_1	84315	31539	20142	3480
Control_IM_HK_2	84359	31985	20125	3491
Control_IM_HK_3	85360	31625	19144	3407
RGNNV_HK_1	82239	10015	9319	2943
RGNNV_HK_2	84483	30640	19485	3583
RGNNV_HK_3	85696	32798	19717	3543
Control_IM_BR_1	85838	32728	19522	3668
Control_IM_BR_2	85515	31373	19218	3631
Control_IM_BR_3	85256	31796	19620	3643
RGNNV_BR_1	85613	31355	18893	3620
RGNNV_BR_2	85533	31726	19489	3649
RGNNV_BR_3	84865	29736	19089	3583