

SUPPLEMENTAL INFORMATION

Figure legends

Figure S1. DNA sequence for region B and C of norovirus GII.P17-GII.17 in Nova Scotia.

Figure S2. Real-time RT-PCR primers and probe targets compared to various GII.17 noroviruses. Primer pairs COG2F and COG2R and RING2 were compared to norovirus GII.17 sequences retrieved from the Genbank database and pairwise sequence alignments were performed using BLAST analysis. Genbank accession numbers, strain nomenclature, and abbreviations used in the figure are as follows: KC597139, GII/Hu/GF/1978/GII.17/C142 (GF 1978); EF529741, GII/Hu/FR/2004/GII.17/Briancon870 (FR 2004); AB447409, GII/Hu/IND/2006/GII.17/1668 06 (IND 2006); JQ751044, GII/Hu/CHN/2007/GII.17/Wuhan Z776 (CHN 2007); JF802507, GII/Hu/AF/2009/GII.17/Cameroon C15b (AF 2009); KR020503, GII/Hu/CHN/2014/GII.17/Guangzhou 41621 (CHN 2014); AB983218, GII/Hu/JP/2014/GII.P17 GII.17/Kawasaki323 (JP 2014); KR083017, GII/Hu/US/2014/GII.17/Gaithersburg (US 2014), and GII/Hu/CA/2014/GII.P17 GII.17/NS_065 (CA 2014). Nucleotide abbreviations include: B = C, G, or T; R = A or G; Y = C or T; N = A, C, G, or T.

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...|...| ...|...| ...|...| ...|...| ...|...| ...|...|
  5      15      25      35      45      55
TGAAGATCCC AGTGAGACCA TGATACCACA TGCACAGAGA CCTGTGCAGC TCATGGCACT

...|...| ...|...| ...|...| ...|...| ...|...| ...|...|
 65      75      85      95     105     115
ACTAGGAGAA TCCTCCCTAC ATGGACCCTC ATTTTACAGC AAGGTTAGCA AACTGGTCAT

...|...| ...|...| ...|...| ...|...| ...|...| ...|...|
125     135     145     155     165     175
ATCTGAACTT AAAGAGGGAG GAATGGATTT TTATGTGCCC AGACAAGAGT CAATGTTTCA

...|...| ...|...| ...|...| ...|...| ...|...| ...|...|
185     195     205     215     225     235
ATGGATGAGG TTCTCAGATC TAAGCACATG GGAGGGCGAT CGCAATCTGG CTCCAGTTT

...|...| ...|...| ...|...| ...|...| ...|...| ...|...|
245     255     265     275     285     295
TGTGAATGAA GATGGCGTCG AATGACGCCG CTCCATCTAA TGATGGTGCT GCTGGTCTCG

...|...| ...|...| ...|...| ...|...| ...|...| ...|...|
305     315     325     335     345     355
TACCAGAGGG CAATAACGAG ACCCTTCCCC TAGAACCAGT TGCGGGCGCA GCTATAGCCG

...|...| ...|...| ...|...| ...|...| ...|...| ...|...|
365     375     385     395     405     415
CACCCGTCAC TGGCCAAAAC AACATAATTG ACCCCTGGAT TAGAACAAAT TTTGTGCAAG

...|...| ...|...| ...|...| ...|...| ...|...| ...|...|
425     435     445     455     465     475
CACCAAATGG GGAGTTCACA GTGTCACCCA GAAACTCCCC TGGAGAAATT TTACTAAACC

...|...| ...|...| ...|...| ...|...| ...|...| ...|
485     495     505     515     525     535
TAGAGTTGGG CCCTGATTTG AACCCTTACT TGGCTCATTT GTCAAGGATG TACAA

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Figure S1. DNA sequence for region B and C of norovirus GII.P17-GII.17 in Nova Scotia.

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COG2F	CARGARBCNATGTTYAGRTGGATGAG	-----	-----
RING2	-----	TGGGAGGGCGATCGCAATCT	-----
COG2R	-----	-----	TGTGAATGAAGATGGCGTCGA
GF 1978	CAAGAGCCAATGTTTCAGATGGATGAG	TGGGAGGGCGATCGCAATCT	TGTGAATGATGATGGCGTCGA
FR 2004	CAAGAGTCAATGTTTCAGATGGATGAG	TGGGAGGGCGATCGCAATCT	TGTGAATGAAGATGGCGTCGA
IND 2006	CAAGAGTCAATGTTTCAGATGGATGAG	TGGGAGGGCGATCGCAATCT	TGTGAATGAAGATGGCGTCGA
CHN 2007	CAAGAGTCAATGTTTCAGATGGATGAG	TGGGAGGGCGATCGCAATCT	TGTGAATGAAGATGGCGTCGA
AF 2009	CAAGAGTCAATGTTTCAGATGGATGAG	TGGGAGGGCGATCGCAATCT	TGTGAATGAAGATGGCGTCGA
CHN 2014	CAAGAGTCAATGTTTCAGATGGATGAG	TGGGAGGGCGATCGCAATCT	TGTGAATGAAGATGGCGTCGA
JP 2014	CAAGAGTCAATGTTTCAGATGGATGAG	TGGGAGGGCGATCGCAATCT	TGTGAATGAAGATGGCGTCGA
US 2014	CAAGAGTCAATGTTTCAGATGGATGAG	TGGGAGGGCGATCGCAATCT	TGTGAATGAAGATGGCGTCGA
CA 2014	CAAGAGTCAATGTTTCAGATGGATGAG	TGGGAGGGCGATCGCAATCT	TGTGAATGAAGATGGCGTCGA

Figure S2. Real-time RT-PCR primers and probe targets compared to various GII.17 noroviruses. Primer pairs COG2F and COG2R and RING2 were compared to norovirus GII.17 sequences retrieved from the Genbank database and pairwise sequence alignments were performed using BLAST analysis. Genbank accession numbers, strain nomenclature, and abbreviations used in the figure are as follows: KC597139, GII/Hu/GF/1978/GII.17/C142 (GF 1978); EF529741, GII/Hu/FR/2004/GII.17/Briancon870 (FR 2004); AB447409, GII/Hu/IND/2006/GII.17/1668 06 (IND 2006); JQ751044, GII/Hu/CHN/2007/GII.17/Wuhan Z776 (CHN 2007); JF802507, GII/Hu/AF/2009/GII.17/Cameroon C15b (AF 2009); KR020503, GII/Hu/CHN/2014/GII.17/Guangzhou 41621 (CHN 2014); AB983218, GII/Hu/JP/2014/GII.P17 GII.17/Kawasaki323 (JP 2014); KR083017, GII/Hu/US/2014/GII.17/Gaithersburg (US 2014), and GII/Hu/CA/2014/GII.P17 GII.17/NS_065 (CA 2014). Nucleotide abbreviations include: B = C, G, or T; R = A or G; Y = C or T; N = A, C, G, or T.

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2 **Table S1.** Primer and probes used in this study.

Name	Sequence (5'-3')	Location*	Target (amplicon size)	Ref.
COG2F	CARGARBCNATGTTYAGRTGGATGAG	4997- 5002	ORF1-2 junction (77 bp)	(19)
COG2R	TCGACGCCATCTTCATTCACA	5054- 5074		(19)
Ring2	FAM -TGGGAGGGCGATCGCAATCT- BHQ1	5022- 5041		(20)
431F	TGGACIAGRGGICCYAAYCA	4794- 4813	region B and C	(21)
G2SKR	CCRCCNGCATRHCCRTTRTACAT	5341- 5363	(570 bp)	(22)
CapC Rev	CCTTYCCAkwTCCCAYGG	6644- 6662	ORF2 region D (253 bp)	(22)
CapD3 Fwd	TGYCTYITICCHCARGAATGG	6409- 6429		(22)
CapD1 Fwd	TGTCTRSTCCCCCAGGAATG	6409- 6428		(22)
GV132R**	CCRGcRAAGAAAGCTCCAGCCAT	6681- 6703	ORF3 (1721 bp)	(6)
NoVGII-17F3	CGGCCCCGACAAAActGAG	4656- 4673	ORF1	This paper
NoVGII-17R3	CTACTTGAGGGTGGCGTGACAT	7312- 7333	ORF3	This paper
NGII17SeqF11	TGACGCCGCTCCATCTAA	5076- 5093	ORF2	This paper
NGII17SeqF12	AACAGCCGCATGAGATTAGTGG	5575- 5596		This paper

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NGII17SeqF13	TCCAGCCGACAAAATTCACACCAG	6200- 6223	This paper
NGII17SeqF16	CCCCATCGATTCGCTTTTCACC	5790- 5811	This paper
NGII17SeqR12	TGGCACATCATCAGTTGGGTCAT	5993- 6015	This paper
NGII17SeqR13	CGGGTGGCCATCATCGTCAT	6236- 6255	This paper
NGII17SeqR14	CCTTCGCCCATTCCCAGTTCC	6649- 6669	This paper
NGII17SeqR16	CTAGGCTTTGCAGGTTTGTATTG	7080- 7102	This paper

*Locations of oligonucleotides are relative to norovirus GII/Hu/US/2014/GII.17/Gaithersburg
(Genbank accession number KR083017).

**Primer GV132R is paired with COG2F to generate the full-length VP1 sequence.