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Author(s)	Sasaki, Michihito; Orba, Yasuko; Sasaki, Satoko et al.
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Supplementary Material

Table S1. Primers used for coding sequence amplification in this study

Primer	Polarity	Sequence (5' to 3')	Reference
VP1-F	Forward	GGCTATTAAAGCTRTACAATGG	Fujii *et al*. 2012
VP1-R2	Reverse	GGTTAACACGCGTTCAGAAGGA	This study
VP1-F2	Forward	GTCAGGAGAGAAGCAGACGAAAG	This study
VP1-R	Reverse	CACATCTAAGCACTCTAATCTTG	Fujii *et al*. 2012
VP2-F	Forward	GGCTATTAAAGGCTCAATGG	Fujii *et al*. 2012
VP2-R2	Reverse	ACGCCATCAATAACAACTTGTC	This study
VP2-F2	Forward	ATGTGGCTATTGACAGTCGTTC	This study
VP2-R	Reverse	TTGGCGTTTACARTTCGTTCA	Fujii *et al*. 2012
VP3-F	Forward	TGCGTTTTACCTCTGATGGTG	Fujii *et al*. 2012
VP3-R	Reverse	TCACATCATGACYAGTGTGTTAAG	Fujii *et al*. 2012
VP4-F	Forward	GGCTATAAAATGGCTTCGCT	Fujii *et al*. 2012
VP4-R2	Reverse	AATGAGGGTTCTTCTACAGCCAA	This study
VP4-F2	Forward	AGTGTCATTACATTCAGCAGGTGT	This study
VP4-R	Reverse	GGGGGTCACATCCTC	Fujii *et al*. 2012
VP6-F	Forward	GGCTTTWAAACGAAGTCTTC	Fujii *et al*. 2012
VP6-R2	Reverse	GAAACTGAATCTTTCTGCATCAGG	This study
VP6-F2	Forward	ATTCACGCTGAACAGATCACAG	This study
VP6-R	Reverse	GGTCACATCCTCTCACT	Fujii *et al*. 2012
VP7-F	Forward	GGCTTTAAAAGMGAGAATTTCC	Fujii *et al*. 2012
VP7-R	Reverse	GGGGGTCACATCATACAATTCT	Fujii *et al*. 2012
NSP1-F	Forward	GGCTTTTTTTATGAAAAGTCTTGTG	Fujii *et al*. 2012
NSP1-R2	Reverse	AATTCTTGATGCTGGCTGCCAA	This study
NSP1-F2	Forward	AGGACTAAAAGTCGCATAGTCCT	This study
NSP1-R	Reverse	CTAGGCGCTACTCTAGT	Fujii *et al*. 2012
NSP2-F	Forward	GGCTTTTAAAGCGTCTCAGTC	Fujii *et al*. 2012
NSP2-R	Reverse	GGTCACATAAGCGCTTTCTATTC	Fujii *et al*. 2012
NSP3-F	Forward	GGCTTTTAATGCTTTTCAGTGGTTG	Fujii *et al*. 2012
NSP3-R	Reverse	GGTCACATAACGCCCCTATAG	Fujii *et al*. 2012
NSP4-F	Forward	CTTTTAAAAGTTCTGTTCCGAGAG	Fujii *et al*. 2012
NSP4-R	Reverse	AAGACCATTCCTTCCATTAAC	Fujii *et al*. 2012
NSP5-F	Forward	GGCTTTTAAAGCGCTACAGT	Fujii *et al*. 2012
NSP5-R2	Reverse	AGGAGAAATCCACTTGATCGCA	This study
NSP5-F2	Forward	CTGCTTCAAACGATCCACTCAC	This study
NSP5-R	Reverse	GGTCACAAAACGGGAGTGGGGA	Fujii *et al*. 2012

Table S2. Primers used for rotavirus screening in this study

Primer	Polarity	Sequence (5' to 3')	Reference
RotexoF (VP7)	Forward	MDCGGWTAGMYYBTTTWAATG	Li *et al*. 2016
RotexoR (VP7)	Reverse	CCCATNGMDATCCAYTTRTT	Li *et al*. 2016
RotinF (VP7)	Forward	TAGCYYBTTTTRATGTATGGKAT	Li *et al*. 2016
RotinR (VP7)	Reverse	TCCATNGGRTTRCAHARCC	Li *et al*. 2016
LUS12-14 VP4-F	Forward	ATCAGACGCCTATAGCTAATTCGG	This study
LUS12-14 VP4-R	Reverse	CTGAAGCTTCGGTAACAATGTCTG	This study
LUS12-14 NSP2-F	Forward	AGTGGCGGTGATAATTTGTGAAG	This study
LUS12-14 NSP2-R	Reverse	TGCCTTGTTTCATTGAGGATGTG	This study

Table S3. Primers used for 5' and 3' rapid amplification of cDNA end in this study

Primer	Polarity	Sequence (5' to 3')	Reference
VP2-5RACE1	Reverse	GATAATCTGGCATTTCAGTAAGCAC	This study
VP2-5RACE2	Reverse	CGTAGTTCCTTTTCACCATTCGCT	This study
VP2-3RACE1	Forward	GAACGTGCCTCAGATAAAATTGCAC	This study
VP2-3RACE2	Forward	AGTTGGAAAGGGATGAGATGTATGG	This study
VP4-5RACE1	Reverse	CGATATCCTCAATTGGTTGAGCTTTC	This study
VP4-5RACE2	Reverse	CATTACGGCATACAGTTTCGGAGTAG	This study
NSP2-3RACE1	Forward	ACACATGGTAAAGGTCACTACAGAG	This study
NSP2-3RACE2	Forward	ATTCATCAGTTGCGAATCATGCAG	This study