

1 Additional File 1: Primers used for the detection of avian group A and D rotaviruses by
 2 real-time RT-PCR and for amplification of segments of VP4, VP6, VP7 and NSP4 for
 3 sequencing.

Rotavirus group	Target segment	Target gene	Primer sense	Primer sequence (5'-3')	Amplicon size (bp)	Reference
Detection						
Rotavirus A	Seg 6	VP6	F	GAGCAACTATTGATTACTTCATTGA	114	(1)
			R	AAAGTTGCCTTARTGCATTAGA		
			Probe	d		
Rotavirus D	Seg 6	VP6	F	GCGACAACTGAGACAACTG	186	(1)
			R	GGAAGCAGTTGTCATCAAC		
			Probe	d		
Sequencing						
Rotavirus A	Seg 10	NSP4	F	GTGCGGAAAGATGGAGAAC	630	(2)
			R	GTTGGGGTACCAGGGATTAA		
	Seg 6	VP6	F	CGAAGTCTTCATCATGGAT	420	this study
			R	RCCTGTRCGTTGYCTTCTGTT		
	Seg 6	VP6	F	GTAATGGAATWGCDCCNCAATC	777	(3)
			R	ATACCTGSWGAAAWACTGGTCC		
	Seg 6	VP6	F	GCAGCACCATTTCCWAATCAT	353	this study
			R	GGTCACATCCTCTCACTATA		
	Seg 9	VP7	F	GAATGGCTAGCTCATATGTT	487	this study
			R	TGTCTGAGTATTTARTGGGCATA		
	Seg 9	VP7	F	CAGACTTCAGAGGCTAATAA	378	this study
			R	GCGCGATCTTCTAGACATA		
	Seg 9	VP7	F	GCTAATTCGCCCACTCTTTGC	this study	
			R	CCCTGCCCAATTGCTATCCAT		

	Seg 9	VP7	F	GAATGGAAAAGCACGGTGGC	this study
			R	GCACTCGCGTTAAGTGATCG	
	Seg 4	VP4	F	GGCTATAAAATGGCTTCDCTC	645 this study
			R	TGWATTGGAGGYAGACCATT	
	Seg 4	VP4	F	GAACAGTGCCAAATGTRCAA	733 this study
			R	CGAATGATGGCTCACCAA	
	Seg 4	VP4	F	GCTGGTAAATTATATGCATATAG	524 this study
			R	TGCTTGTGAATCATCCCAGTA	
	Seg 4	VP4	F	AGACAACCTTCTAGCAAAYTCRTACACT	512 this study
			R	CCATGATATACRTACAACCKTCCTTG	
	Seg 4	VP4	F	ATGCTTTYATGAAAGAYCAAGGA	690 this study
			R	CATTTGTGGCCATKGYCCAA	
	Seg 4	VP4	F	ATGTACGATCGCTAARTGCAGAA	780 this study
			R	TCCACCTTCAGTCTGYGTWGC	
	Seg 4	VP4	F	GACATTGCCACDCAAACWTCA	450 this study
			R	AATCTTTCAGCACWCKTGGRTC	
Rotavirus D	Seg 6	VP6	F	CCAACGTRTCAGATGTRAT	491 this study
			R	GCTGYCCACGAACAAAGTCYT	
	Seg 6	VP6	F	CTACTGGTGGATTGGCTACTA	362 this study
			R	GCAAATCKKGTTCCTGAYACATT	
	Seg 6	VP6	F	GAATTYCAACTTGCAGGACAA	485 this study
			R	CTGCTGACGTATGATAACAGATT	
	Seg 6	VP6	F	GCTGGAAATCCATCAGCWA	322 this study
			R	GCAGATATTACTIONCCGCATT	
	Seg 6	VP6	F	GGCTCTAAGTACATTTCAGAATGG	740 this study
			R	CCAGGAGGGAAAACCTGGTCC	
	Seg 9	VP7	F	GGAGTGACGCACCTGTATGA	552 this study
			R	GCGTTTGTTGATTCAATGGGC	
	Seg 9	VP7	F	CATCAATGGATGAAATAATAACAGG	372 this study
			R	AGCGACATTRGTTCTCTCGCTC	

5 References

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