

TABLE S1 Primers and probes used in this study for LDT comparator testing.

Pathogen	LUMC-Leiden			RUMC-Nijmegen		
	Target	Ref.	Nucleotide sequence (5' – 3')	Target	Ref.	Nucleotide sequence (5' – 3')
Adenovirus F40/41	Hexon gene	(1)	F: CTCGACATGACTTTTGAGGT	Fiber gene	(9)	F: AACTTTCTCTCTTAATAGACGCC
			R: GTAGACGGCCTCGATGAC			R: AGGGGGCTAGAAAACAAA
			P: FAM-AGCCACACTTCT-BHQ1^B			P: LC670-CTGACACGGGCACTCTTCGC-BBQ
Astrovirus	ORF1a	(1)	F: TCTYATAGACCGYATTATTGG	ORF1a	(1)	F: TCTYATAGACCGYATTATTGG
			R: TCAAATCTACATCATCACCAA			R: TCAAATCTACATCATCACCAA
			P: FAM-CCCADCCATCATCATCTTCATCA-BHQ1			P: YAK-CCCADCCATCATCATCTTCATCA-BBQ
<i>Campylobacter coli</i>	<i>cueE</i>	(2)	F: AAGCTCTTATTGTTCTAACCAATTCTAACA	<i>cueE</i>	(2)	F: AAGCTCTTATTGTTCTAACCAATTCTAACA
			R: TCATCCACAGCATTGATTCCTAA			R: TCATCCACAGCATTGATTCCTAA
			P: ATTO700-TTGGACCTCAATCTCGCTT-MGB-NFQ			P: YAK-TTGGACCTCAATCTCGCTT-BBQ
<i>Campylobacter jejuni</i>	<i>mapA</i>	(2)	F: CTGGTGGTTTTGAAGCAAAGATT	<i>glyA</i>	(10)	F: TAATGTTGAGCCTAATTCAGGTTCTC
			R: CAATACCAGTGTCTAAAGTGC GTTTAT			R: GAAGAACTTACTTTTGACCATTGAGT
			P: TXR-TTCCAACATCGCTAATGTATA-MGB-NFQ			P: LC670-AATCAAAGCCGCATAAACACCTTGATTAGC-BBQ
<i>Campylobacter</i> spp.	16S rRNA gene	(3)	F: CACGTGCTACAATGGCATAT	NP	NP	NP
			R: GGCTTCATGCTCTCGAGTT			NP
			P: FAM-CAGAGAACAATCCGAACTGGGACA-BHQ1			NP
<i>Clostridium difficile</i> toxin A/B	<i>tcdB</i>	(4)	F: GAAAGTCCAAGTTTACGCTCAAT	<i>tcdB</i>	(4)	F: GAAAGTCCAAGTTTACGCTCAAT
			R: GCTGCACCTAAACTTACACCA			R: GCTGCACCTAAACTTACACCA
			P: FAM-ACAGATGCAGCCAAAGTTGTTGAATT-BHQ1			P: YAK-ACAGATGCAGCCAAAGTTGTTGAATT-BBQ
<i>Cryptosporidium</i> spp.	18S rRNA gene	(5)	F: ATGACGGGTAACGGGGAAT	DnaJ-like protein gene	(11)	F: CTTTTTACCAATCACAGAATCATCAGA
			R: CCAATTACAAAACCAAAAAGTCC			R: TGTGTTTGCCAATGCATATGAA
			P: TXR-CGCGCCTGCTGCCTTCCTTAGATG-BHQ2			P: LC670-TCGACTGGTATCCCTATAACT-BBQ
<i>Cyclospora cayetanensis</i>	18S rRNA gene	(6)	F: TAGTAACCGAACGGATCGCATT	18S rRNA gene	(6)	F: TAGTAACCGAACGGATCGCATT
			R: AATGCCACGGTAGGCCAATA			R: AATGCCACGGTAGGCCAATA

			P: FAM-CCGGCGATAGATCATTCAAGTTTCTGACC-BHQ1			P: YAK-CCGGCGATAGATCATTCAAGTTTCTGACC-BBQ
<i>Entamoeba histolytica</i>	18S rRNA gene	(7)	F: ATTGTCGTGGCATCCTAACTCA	18S rRNA gene	(7)	F: ATTGTCGTGGCATCCTAACTCA
			R: GCGGACGGCTCATTATAACA			R: GCGGACGGCTCATTATAACA
			P: YAK-TCATTGAATGAATTGGCCATTT-BHQ1^B			P: FAM-TCATTGAATGAATTGGCCATTT-BBQ
EIEC / <i>Shigella</i>	<i>ipaH</i>	NA ^A	F: GAATTTACGGACTGGTTCTCC	<i>ipaH</i>	(12)	F: CCTTTCCGCGTTCCTTGA
			R: TCTCATATTTCTGCTCTTCTGC			R: CGGAATCCGGAGGTATTGC
			P: FAM-CCCAGCGGTCAGCTTCCGT-BHQ1			P: FAM-CGCCTTTCCGATACCGTCTCTGCA-BBQ
<i>Giardia lamblia</i>	18S rRNA gene	(7)	F: GACGGCTCAGGACAACGGTT	18S rRNA gene	(7)	F: GACGGCTCAGGACAACGGTT
			R: TTGCCAGCGGTGTCCG			R: TTGCCAGCGGTGTCCG
			P: FAM-CCCAGCGGTCCTGCTAG-BHQ1			P: YAK-CCCAGCGGTCCTGCTAG-BBQ
Norovirus GI	RdRp / Capsid junction	(1)	F: CGYGGATGCGNTTYCATGA	RDRP / Capsid junction	(13,14)	F: GCYATGTTCCGCTGGATGC
			R: CCTTAGACGCCATCATCATTTAC			R: CGTCCTTAGACGCCATCATCA
			P: YAK-TYCGRTCTCCTGTCCA-BHQ1^B			P: FAM-ATTCGGGCAGGAGAT-MGB-BBQ
Norovirus GII	RdRp / Capsid junction	(1)	F: CARGARBCNATGTTYAGRTGGATGAG	RdRp / Capsid junction	(1)	F: CARGARBCNATGTTYAGRTGGATGAG
			R: TCGACGCCATCTTCATTCACA			R: TCGACGCCATCTTCATTCACA
			P: YAK-AGATYCGGATCSCCCTC-BHQ1^B			P: FAM-AGATYCGGATCSCCCTC-BBQ
<i>Plesiomonas shigelloides</i>	<i>hugA</i>	NA ^A	F: CGGTAAAGTGTCATAAC	NP	NP	NP
			R: CGGCATATTTATGAAGATA			NP
			P: FAM-CACTGACTACCTAATGGAATATCGGC-BHQ1			NP
Rotavirus	NSP3	(1)	F1: ACCATCTTACGTAACCCTC	NSP3	(1)	F1: ACCATCTTACGTAACCCTC
			F2: ACCATCTACACATGACCCTC			F2: ACCATCTACACATGACCCTC
			R: CACATAACGCCCTATAGCC			R: CACATAACGCCCTATAGCC
			P: TXR-ATGAGCACAATAGTTAAAAGCTAACACTGTCAA-BHQ2			P: LC670-ATGAGCACAATAGTTAAAAGCTAACACTGTCAA-BBQ
<i>Salmonella</i> spp.	<i>ttrB</i>	NA ^A	F: ACCGTTACGCCATGCTTATC	<i>ttrBCA</i>	(15)	F: CTCACCAGGAGATTACAACATGG
			R: TTGGTTTTCAATAGTGAACCTTAC			R: AGCTCAGACAAAAGTGACCATC
			P: YAK-TGACAGCCGATACAACGCCGA-BHQ1			P: YAK-CACCGACGGCGAGACCGACTTT-BBQ
Sapovirus (I, II, IV, V)	RdRP /	NA ^A	F1: AGGCTCTCGCCACCTA	RdRP /	(16)	F1: GAYCASGCTCTCGYACCTAC

	Capsid junction		F2: GYTAYAACAGCTGGTACATWGG R: RCCCTCCATYTCAAACACTA P1: ATTO700-TGYACCACCTATRAACCA-MGB-NFQ P2: ATTO700-CAGAAATGCCCRCTACCAATGAA-BHQ3	Capsid junction		F2: TTGGCCCTCGCCACCTAC F3: TTTGAACAAGCTGTGGCATGCTAC R: CCCTCCATYTCAAACACTA P1: FAM-CCRCCTATRAACCA-MGB-BBQ P2: FAM-TGCCACCAATGTACCA-MGB-BBQ
STEC	<i>stx1</i>	(8)	F1: TGGCATTAACTGAATTGTCATCATC F2: TGGCATTAAATTAATGCCATCAT R1: GCGTAATCCCACGSACTCTT R2: GAGTAATCCCACGCCACTTC P: YAK-ATGAGTTTCCTTCTATG-MGB-NFQ	<i>stx1</i>	(17)	F: CATAGTGGAACCTCAGCAGCAGT R: TTTGCCGAAAACGTAAAGCTTCA P: FAM-TGTGGCAAGAGCGATGTTACGGTTTG-BBQ
	<i>stx2</i>	(8)	F1: CCGGAATGCAAATCAGTCGT F2: GGAACGTACAGGGATGCAGATT R1: CCACTRAACTCCATTAACGCC R2: CGTCCTCTGAACTCCATTAATCC P1: FAM-ACTCACTGGTTTCATCATA-MGB-BHQ1 P2: FAM-ATATGAACCAACCAGTGAATGACGCC-BHQ1	<i>stx2</i>	(17)	F1: GTTTCATGACAACGACAGCAG R1: GTGACGACTGATTTGCATTCCGG R2: ACGCCCAATCTGCATCCCT P1: YAK-CAACGTGTGCGCAGCGCTGGAAC-BBQ P2: YAK-ACAGCGAATCGCAGATCTGGAAC-BBQ
<i>Yersinia enterocolitica</i>	<i>gyrB</i>	NA ^A	F: GCAGGCACCATTGAAAGTGG R: CTCACGCAGACGTTTTGCC P: TXR-CCAGAAACGCACGGTTGTCCC-BHQ2	<i>ail</i>	(18)	F: ATGATAACTGGGGAGTAATAGTTTCG R: CCCAGTAATCCATAAAGGCTAACATAT P: FAM-TCTATGGCAGTAATAAGTTTGGTCCACGGTGATCT-BBQ

Nucleotide sequences in bold represent modifications of the published nucleotide sequences.

^AUnpublished LDT-protocol that will be made available by the authors upon request.

^BXS-probe™ (Biolegio™)

LDT – laboratory-developed real-time PCR assay, LUMC – Leiden University Medical center, RUMC – Radboud University Medical Center, EIEC - Enteroinvasive *Escherichia coli*,

STEC - Shiga-like toxin producing *E. coli*, NA – not available, NP – not performed, F – forward primer, R – reverse primer, P – probe, YAK – Yakima Yellow®, TXR – Texas Red®, BBQ

– BlackBerry® Quencher, BHQ – Black Hole Quencher®, NFQ – non fluorescent quencher, MGB – minor groove binder.

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