

# Supplementary Materials: Elucidating the Transcriptome of Turkey Hemorrhagic Enteritis Virus

**Running Title:** Novel Insights into Turkey Hemorrhagic Enteritis Virus Transcriptome

Abraham Quaye<sup>1\*</sup>, Bret Pickett<sup>\*</sup>, Joel S. Griffiths<sup>\*</sup>, Bradford K. Berges<sup>\*</sup>, Brian D. Poole<sup>†\*</sup>

<sup>\*</sup>Department of Microbiology and Molecular Biology, Brigham Young University

<sup>1</sup>First-author

<sup>†</sup> Corresponding Author

## Corresponding Author Information

brian\_poole@byu.edu

Department of Microbiology and Molecular Biology,  
4007 Life Sciences Building (LSB),  
Brigham Young University,  
Provo, Utah

16 **Supplementary Table 1A**

timepoint	region	strand	junc_freq	sum_read	perc_reg
12hpi	MLP	+	14	235	38.8%
12hpi	E2	-	8	161	26.6%
12hpi	E3	+	9	104	17.2%
12hpi	E4	-	2	40	6.6%
12hpi		-,+	5	40	6.6%
12hpi	E1	+	3	20	3.3%
12hpi	IM	-	1	50	8%

17 **Supplementary Table 1B**

timepoint	region	strand	junc_freq	sum_read	perc_reg
24hpi	MLP	+	123	52,589	45.7%
24hpi	E3	+	45	29,209	25.4%
24hpi	E2	-	38	27,833	24.2%
24hpi	E1	+	11	2,724	2.4%
24hpi		-,+	23	1,312	1.1%
24hpi	IM	-	4	744	0.6%
24hpi	E4	-	3	664	0.6%

18 **Supplementary Table 1C**

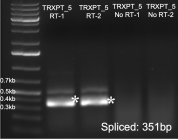
timepoint	region	strand	junc_freq	sum_read	perc_reg
72hpi	MLP	+	1,751	1,437,273	67.4%
72hpi	E2	-	237	304,274	14.3%
72hpi	E3	+	334	271,392	12.7%
72hpi	E1	+	47	74,135	3.5%
72hpi		-,+	165	27,680	1.3%
72hpi	IM	-	17	14,484	0.7%
72hpi	E4	-	12	3,568	0.2%

19 **Supplementary PCR Methods**

trxpt_id	region	num_exons	full_trxpt	exon1	exon2	exon3	exon4	exon5	exon6	exon7	forwardP	reverseP	valid_status	gel_image
TRXPT_1	E1	3	54-2325	54-304	1616-1655	1964-2325	-	-	-	-	CCGggtaacGTCCGAAGTCTCAGCAACAGATTG <sup>a</sup>	CCGggtaacCTGAGGAGGTCGTAGACTCTGC <sup>b</sup>	Validated	
TRXPT_4	E1	2	271-2303	271-304	1616-2303	-	-	-	-	-	CCGggtaacGTCAACAGTGAACCTGTTGCTG <sup>a</sup>	CCGggtaacCTGAGGAGGTCGTAGACTCTGC <sup>b</sup>	Not Validated	
TRXPT_2	E1	2	54-2325	54-1655	1964-2325	-	-	-	-	-	CCGggtaacGAGGCCTGTTGAATGTTGC <sup>a</sup>	CCGggtaacCTGAGGAGGTCGTAGACTCTGC <sup>b</sup>	Validated	
TRXPT_3	E1	2	225-2325	225-304	1964-2325	-	-	-	-	-	CCGggtaacCATTTCCGTCACGGTGTG <sup>a</sup>	CCGggtaacCTGAGGAGGTCGTAGACTCTGC <sup>b</sup>	Validated	
TRXPT_21	E2	3	16973-18751	16973-18087	18159-18189	18684-18751	-	-	-	-	CCGctagaGAACCCAGCAATTGGCTCCAAGG <sup>a</sup>	CCGggtaacCTGTTGCTGAGACTTCGGACC <sup>b</sup>	Validated	
TRXPT_6	E2	4	2334-18751	2334-3447	3615-8543	10981-11079	18159-18189	18684-18751	-	-	CCGctagaCATTTGAATAGATAAGCGTAGCCAAATCAAGC <sup>a</sup>	CCGggtaacCTGTTGCTGAGACTTCGGACC <sup>b</sup>	Validated	
TRXPT_7	E2	5	2334-18751	2334-8543	10981-11079	18159-18189	18684-18751	-	-	-	CCGctagaCATTTGAATAGATAAGCGTAGCCAAATCAAGC <sup>a</sup>	CCGggtaacCTGTTGCTGAGACTTCGGACC <sup>b</sup>	Validated	
TRXPT_15	E2	2	6206-6878	6206-6551	6843-6878	-	-	-	-	-				
TRXPT_28	E4	2	25192-26247	25192-25701	26055-26247	-	-	-	-	-	CCGctagaCAGTGCAATCCGACGCTCTG <sup>a</sup>	CCGggtaacGACACAGTGTCTGTAGAGACC <sup>b</sup>	Validated	

<sup>a</sup> Primer binds exon 1

<sup>b</sup> Primer binds terminal exon

trxpt_id	region	num_exons	full_trxpt	exon1	exon2	exon3	exon4	exon5	exon6	exon7	forwardP	reverseP	valid_status	gel_image
TRXPT_5	IM	2	2334-3678	2334-3447	3615-3678	-	-	-	-	-	CCOctagaGGCAACCTGTAGTCCGATTAC <sup>a</sup>	CCCgggaaCTCTGGTGAGATCTTCCAACAGAAAG <sup>b</sup>	Validated	

<sup>a</sup> Primer binds exon 1

<sup>b</sup> Primer binds terminal exon