

**Table S1.** The PCR primers for detection of porcine astrovirus.

Name	Primer Sequences (5'-3')	Length (bp)
PAstV-F	GGATTTACAGTTGGCCCAGAT	249
PAstV-R	CCTGTCCATCTGCCTTTCTGT	

**Table S2.** The primers for PCR amplification of the complete genome of PAstV/SH/2022/CM1 strain.

Name	Primer Sequences	Location (nt)	Length (bp)
T1-R	TAAGTGMTGYTGCAATTGG	985–1003	1480
T2-F	TTATCTDGCAGCRGCMTCYTT	867–887	
T2-R	CGTTYTGRTAGTAAGATGGTAT	2326–2347	
T3-F	GAAGGGTAAGACCAAGCATGGC	2045–2066	1034
T3-R	ATTGCTGAAAAGGCAGACACATAGG	3055–3079	
T4-F	TTGATTCAACACCRGCTTAT	2974–2993	1950
T4-R	CACCAGGTTTKGAATRDATTTT	4903–4924	
T5-F	GGACCWAAGGAKGGYTGGTWT	4666–4686	1666
T5-R	GCATAATCATCATCATCCAART	6311–6332	
T6-F	CCAGGAATTRGGTTGARTTTG	6221–6241	