

Table S1. Comparison of ASEA method used in our previous work and this work

Target	ASEA protocol	Time consumption	Limit of detection (LOD)
CPV ¹	74°C for 1 s , 61°C for 1 s	within 16-17 min	4,800 copies mL⁻¹
EBV	74°C for 10 s , 61°C for 5 s	within 25 min	1,000 copies mL⁻¹

1. J. Hou, Y. Li, C. Ma and C. Shi, *Analytical Methods*, 2020, **12**, 5514-5522.