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**Supplementary Data**

**Cyclophilin A binds to AKT1 and facilitates the tumorigenicity of Epstein-Barr virus by mediating the activation of AKT/mTOR/NF-κB positive feedback loop**

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**Supplementary Fig. S1** Sequencing results of *CYPA* gene in CYPA knockout 293 cell line.

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**Supplementary** **Fig. S2** The detection of LMP1 expression by RT-qPCR in 293T cells transfected with LMP1-Flag plasmid (2μg/well in 6-well plate). At 24 h post-transfection, the cells were collected, and RNA was extracted for RT-qPCR assay.