**Method S1. The sphere assay.**

Cervical cancer cell line HeLa cells were infected with H101 at a multiplicity of infection of 100 MOI. After 24 hours, 1×104 cancer cells were seeded into a T25 flask with 8ml of sphere culture medium. An additional 4ml of sphere culture medium was added to the culture on day 4 and the culture continued for another 4–5 days.