FIG S1 Fluorescence *in situ* hybridization (FISH) detection of YeCV in different tissues from naturally infected yellow catfish. (A-D) FISH hybridization in YeCV-infected liver, heart, gill, and intestine cells, respectively; Positive signals detected in the liver, heart, and gills (Aa-Ca), respectively; no positive signals were detected in the intestine cells (Da); The blue signals showing staining of cell nuclei (Ab-Db) (bar = 50 mm).
### TABLE S1. Origins of the YeCV detected from different provinces in this study

| Sampling location | Abbreviation | Province       | Date of collection | Temperature (°C) | Size (cm) |
|-------------------|--------------|----------------|--------------------|------------------|-----------|
| Qianjiang         | QJ           | Hubei          | 25 Apr. 2020       | 20               | 9–14      |
| Jingmen           | JM           |                | 30 Apr. 2020       | 22               | 8–15      |
| Honghu            | HH           |                | 12 May 2020        | 23               | 10–13     |
| Jiayu             | JY           |                | 10 Jun. 2020       | 24               | 9–13      |
| Wuhan             | WH           |                | 15 Mar. 2021       | 20               | 9–15      |
| Xiantao           | XT           |                | 2 Apr. 2021        | 21               | 8–12      |
| Yichang           | YC           |                | 10 Apr. 2021       | 22               | 10–15     |
| Zhijiang          | ZJ           |                | 17 Apr. 2021       | 22               | 9–12      |
| Jingzhou          | JZ           |                | 23 Apr. 2021       | 23               | 10–15     |
| Leshan            | LS           | Sichuan        | 9 Apr. 2021        | 20               | 10–12     |