**Table S1:** Sample used for evaluation of analytical specificity and sensitivity of the probe-based RT-qPCR method

|  |  |  |  |
| --- | --- | --- | --- |
| Samples | Host | Sample type | RT-qPCR result (Cq) |
| Clinically healthy tilapia | NA | RNA | ND |
| NNV-infected tissue | Grouper | RNA | ND |
| ISKNV-infected tissue | Asian sea bass | RNA | ND |
| SDDV-infected tissue | Asian sea bass | RNA | ND |
| *Streptococcus agalactiae* | Nile tilapia | RNA | ND |
| *Streptococcus iniae* | Asian sea bass | RNA | ND |
| *Edwardsiella ictaluri* | Striped catfish | RNA | ND |
| *Edwardsiella tarda* | Nile tilapia | RNA | ND |
| *Flavobacterium columnare* | Asian sea bass | RNA | ND |
| *Francisella orientalis* | Hybrid red tilapia | RNA | ND |
| *Aeromonas hydrophila* | Tilapia | RNA | ND |
| *Aeromonas veronii* | Nile tilapia | RNA | ND |
| *Aeromonas dhakensis* | Hybrid red tilapia | RNA | ND |
| *Aeromonas caviae* | Nile tilapia | RNA | ND |
| *Aeromonas jandaei* | Nile tilapia | RNA | ND |
| *Plesiomonas shigelloides* | Nile tilapia | RNA | ND |
| *Chryseobacterium* sp. | Nile tilapia | RNA | ND |
| *Vogesella* sp. | Nile tilapia | RNA | ND |
| *Vibrio cholerae* | Nile tilapia | RNA | ND |

ND, not detectable