The Research of the Transmission Vectors of Koi Herpes Virus (KHV)

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Abstract In order to find the KHV transmission vectors in the field, we developed some cohabitation experiments to mimic the natural transmission of KHV in koi farms. The commonly-found aquatic animals in koi farms involved in the cohabitation experiments include the goldfish, common goldfish, Chinese bull frog, mosquito fish, shrimp and snail. Our results revealed that the goldfish, common goldfish, Chinese bull frog and mosquito fish showed KHV positive by the PCR method after cohabiting three days with the KHV infected koi. Those KHV-positive creatures further cohabited with the normal koi, which were examined and proved to be KHV positive three days latter. Taken together, we concluded that there are some creatures can transmit the KHV. [Shin D, Tu, Cheng CH, Chen MM. The Research of the Transmission Vectors of Koi Herpes Virus (KHV). Taiwan Vet J 33(2):88-95, 2007. *Corresponding author TEL: (02)3366-1288 FAX: (02)2366-1475 E-mail: cmm@ntu.edu.tw]

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