

Comparative proteomic analyses of resistant and susceptible crucian carp to *Gyrodactylus kobayashii* infection

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Description

Aquarium fish are any type of aquatic animal farmed or sold for its beauty or exotic characteristics, rather than for consumption or recreational purposes. Tropical fish, goldfish and carp belong to ornamental fish. Carp are several species of fatty freshwater fish in the carp family, a very large group of fish native to Europe and Asia. Although carp are consumed in many parts of the world, they are generally considered an invasive species in Africa, Australia, and most parts of the United States. Therefore, it creates a hyper-ordered Ostariophysi form. These features include possessing Weber's ossicles, an anatomical structure found primarily in freshwater and derived from the first five anterior vertebrae and their corresponding ribs and neural crests. Her third anterior pair of ribs is in contact with the extension of the labyrinth, and her posterior ribs are in contact with the swim bladder. Its function is poorly understood, but this structure is thought to be involved in the transmission of vibrations from the swim bladder to the labyrinth, as well as in the perception of sound, which is why the osteophytes possess such excellent auditory abilities. It explains why you have Carp were domesticated in East Asian countries in the form of carp for ornamental purposes. Most cyprinids have scales and teeth on the hypopharyngeal bone, which can be altered with the diet. *Triborodon* is the only cyprinid genus that tolerates salt water. Some species migrate to brackish water but return to freshwater to spawn. All other cyprinids inhabit continental waters and have a wide geographical range. Who does some think all carp fish are? And the carp family itself is often called the carp family. In colloquial usage, carp is usually associated with *Cyprinus carpio* (carp), *Carassius carassius* (crucian carp), *Ctenopharyngodon idella* (grass carp), *Hypophthalmichthys molitrix* (silver carp), and a few more, such as *Hypophthalmichthys nobilis* (bighead carp). It refers only to species of the large carp family. Carp has

been an important food fish for humans since ancient times. Various goldfish breeds and some species like domesticated carp known as carp are popular ornamental fish. As a result, carp have been introduced in various locations, with mixed results. Several carp species are considered invasive in the United States, and large amounts of money are spent on carp control worldwide. At least some carp species can survive for many months virtually without oxygen (such as under ice or in stagnant foamy water) by the metabolizing glycogen to the lactic acid, which is converted to the ethanol and carbon dioxide. Ethanol diffuses through the gills into the surrounding water. Various types of carp have been the domesticated and farmed as food fish in Europe and Asia for thousands of years. Since domesticated carp species are endemic to different regions of Eurasia, it is likely that these different species were domesticated independently. Aquaculture has been practiced in China for at least 2,400 years. A 5th century BC pamphlet by Fan Li. BC describes the many ways carp were raised in ponds.

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Conflict of Interest

The author declares there is no conflict of interest in publishing this article.

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