

*Xiphophorus gordonii*



Female



Male

Strain code: gordonii

Phenotypes scored: None.

Introduction:

This stock is one of the three species of Northern platyfish maintained at the *Xiphophorus* Genetic Stock Center. *X. gordonii* has the deep lying body spots (albeit poorly developed) characteristic for the Northern platyfish. These deep lying body spots are found in the septae of muscles and in the connective tissue lining the blood vessels, especially in the blood vessel along the lateral line just below the vertebral column (Atz, 1962). The other two species with this pattern currently housed at the Stock Center are *X. couchianus* and *X. meyeri*.

*X. gordonii* is considered endangered due to a narrow and very limited habitat range, in Cuatro Ciénegas, Coahuila, Mexico. Therefore, it would be difficult to recollect these from the wild, thus increasing the importance of the stock currently under cultivation.

Sexing:

These fish are sexed at about 2 to 3 months of age. The sex should be confirmed after about two weeks from the date of sexing.

Scoring:

There are no variable traits identified in these fish at this time; however, all fish should exhibit the deep lying body spots.

Maintenance:

A minimum of four matings should be set up to maintain each generation. Therefore, at least two pedigrees should be produced from each generation. If, after about three months no mating produces offspring, the males should be checked for sperm, and artificial

insemination attempted. In addition, more matings can be established. Using the two or more pedigrees obtained from each generation, reciprocal crosses can be set up to produce the subsequent generation.

Stock source:

Prof. Klaus Kallman, the New York Aquarium, 4/15/93.