

*Xiphophorus multilineatus*



Female



Male

Strain code: multi

Phenotypes scored: Body color: blue and wild-type (+); maturation rate: large (L); Tail pattern: caudal blotch (Cb).

Introduction:

This stock arrived at the Stock Center from Dr. Mike Ryan's Lab in Austin, Texas on January 16, 2003. Males of this stock express a blue body coloration (blue) and mature late and at a large size (L). The tail pattern caudal blotch (Cb) is segregating in this stock also.

Sexing:

Fish in this stock should be sexed at about 2 to 3 months of age. Males may take six months or more to become fully mature.

Scoring:

Males and females should be scored for body coloration in this stock. Because the blue coloration seems to be limited to the males, females should appear wild-type (+). Both males and females in this stock are scored for Cb. All mature fish should be measured upon discarding or fixing in order to collect data on maturation rates.

Maintenance:

About four to six matings using reciprocal crosses are set up for each generation in this stock. In each mating there should be one fish expressing Cb and one fish with no Cb expressed. This will maintain Cb in a heterozygous state as Cb/+.

Stock source:

Dr. Michael J. Ryan, University of Texas, 1/16/03.

