

■ РЕФЕРАТИ СТАТЕЙ, ОПУБЛІКОВАНИХ В «CYTOLOGY AND GENETICS», № 6, 2022 р.

KARYOMORPHOLOGY OF TWO CYPRINID BARBELS (TELEOSTEI: CYPRINIDAE) FROM GEDIZ RIVER, TURKEY

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Barbus pergamonensis Karaman, 1971 and *Luciobarbus lydianus* (Boulenger, 1896) were studied karyologically. Karyotypes and chromosomal banding techniques with C-banding and silver staining were determined. Diploid chromosome numbers ($2n$) were invariably 100; karyotypes were composed of 26 metacentric (m), 20 submetacentric (sm) and 54 subtelo-acrocentric ($st-a$) chromosomes in *B. pergamonensis* and 24 m , 22 sm and 54 $st-a$ chromosomes in *L. lydianus*. No heteromorphic sex chromosomes were determined. C-bands were observed on the pericentromeric regions of some of the chromosomes in the studied species. Multiple nucleolus organizer regions were detected in both species. This study shall contribute to barbels cytotaxonomy.

Key words: Cytogenetics, Cytotaxonomy, Karyotype, Chromosomal bandings, Gediz River.

КАРІОМОРФОЛОГІЯ ДВОХ МАРЕН
З РОДИНИ КОРОПОВИХ
(КОСТИСТІ: КОРОПОВІ)
З РІЧКИ ГЕДИЗ, ТУРЕЧЧИНА

Було проведено каріологічне дослідження *Barbus pergamonensis* (Караман, 1971) та *Luciobarbus lydianus* (Boulenger, 1896); було визначено каріотипи і методи фарбування хромосом за допомогою С-бендингу і зафарбовування сріблом. Кількість диплоїдних хромосом ($2n$) незмінно становила 100; каріо-

типи склалися з 26 метацентричних (m), 20 субметацентричних (sm) і 54 субтело-ахроцентричних ($st-a$) хромосом у *B. pergamonensis* і 24 m , 22 sm та 54 $st-a$ хромосом у *L. lydianus*. Жодних гетероморфних статевих хромосом не було виявлено. С-смуги спостерігалися у перичентромерних ділянках деяких хромосом досліджених видів. У обох видах риб було виявлено множинні ядерцеутворюючі регіони. Результати цього дослідження можуть бути використані для цитотаксономії марен.

Ключові слова: цитогенетика, цитотаксономія, каріотип, хромосомний бендинг, річка Гедиз.

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Received April 08, 2021

Received June 10, 2021

Accepted September 18, 2022