

**Cite this as:** Yu-xin GUO, Jian-gang CHEN, Yan WANG, Jiang-wei YAN, Jing CHEN, Tian-hua YAO, Li-ping ZHANG, Guang YANG, Hao-tian MENG, Yu-dang ZHANG, Ting MEI, Yao-shun LIU, Qian DONG, Bo-feng ZHU, 2016. Genetic polymorphism analyses of a novel panel of 19 X-STR loci in the Chinese Uygur ethnic minority. *Journal of Zhejiang University-Science B (Biomedicine & Biotechnology)*. **17**(5):367-374.  
<http://dx.doi.org/10.1631/jzus.B1500228>

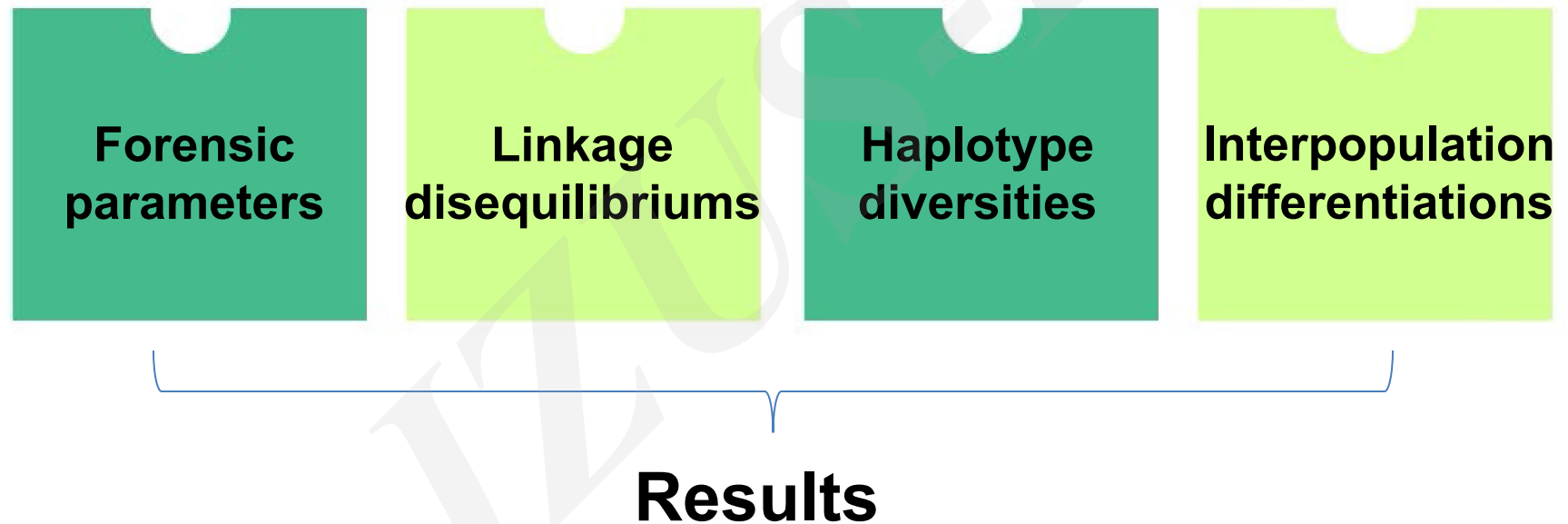
# **Genetic polymorphism analyses of a novel panel of 19 X-STR loci in the Chinese Uygur ethnic minority**

**Key words:**

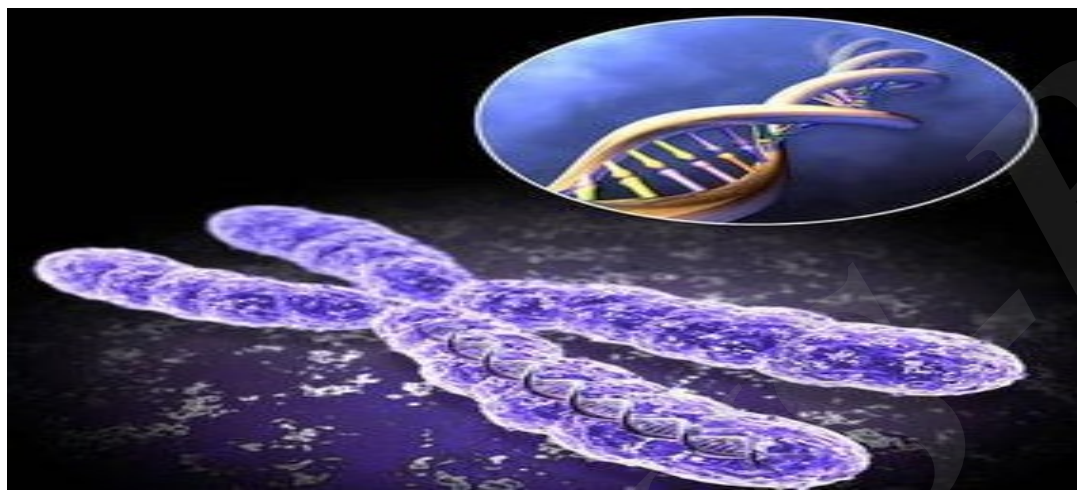
**X chromosome, STR, Uygur, Genetic, Polymorphism, Forensic**

# ***Research Summary***

**This article used a novel panel of 19 X-STR loci to analyze the genetic polymorphisms of Chinese Uygur ethnic minority.**



# ***Innovation points***



- a novel panel of 19 X-STR loci
- seven linkage groups in the 19 X-STRs
- high levels of genetic polymorphisms at 19 X-STR loci
- cumulative PE = 0.999999998635  
cumulative PDM = 0.999999999999999966  
cumulative PDF = 0.9999999999999999999999998091

