

中国人体细胞染色体高分辨G带模式图

宿远, 王秀琴, 韦昌谦, 吴

中国医学科学院肿瘤医院细胞生物室, 北京

收稿日期 修回日期 网络版发布日期 接受日期

摘要 本工作应用高分辨染色体技术, 分析了31名健康汉族人外周血的高分辨G带, 制作了中国人体细胞染色体的高分辨G带核型图。并经镜下比较和照片剪贴配对分析, 认为中国人体细胞高分辨G带的带纹顺序与宽窄基本与人类细胞遗传学高分辨显带命名的国际体制(ISCN, 1981)中高分辨G带模式图一致, 但在850条带阶段, 1、2、8和Y染色体的某些区带与ISCN(1981)的模式图有些差别, 故重新描绘了这四个染色体的模式图。

关键词

分类号

High Resolution Idiograms of G-banded Chromosomes of Somatic Cell of the Chinese

Su Yuan, Wang Xiuqin, Wei Changqian, Wu Min

Department of Cell Biology, Cancer Institute, Chinese Academy of Medical Sciences, Beijing

Abstract

High resolution G-banded chromosomes of cultured peripheral blood lymphocytes obtained from 31 normal Chinese were studied. 184 metaphase plates, 87% of which were at early metaphase and prometaphase, were compared with ISCN (1981) high resolution idiograms of G-banded human chromosomes under microscope (100 μ m) as well as with microphotographs enlarged up to 5,000 μ m. On the basis of very thorough analysis of 168 karyotypes taken from 18 individuals some consistent deviations from ISCN (1981) were found. These deviations mainly involved the order and width of bands in specific regions of 4 chromosomes, namely 1p31.1 to 1p32.2, 2q22.1 to 2q24.3, 8q24.21 to 8q24.23 and Yq. These deviations were not obvious at 320-band metaphase stage, but became obvious at 850-band prometaphase stage. So new idiograms of chromosomes 1, 2, 8, and Y for Chinese at 850-band stage were presented.

Key words

DOI: 65

通讯作者

扩展功能

本文信息

- ▶ [Supporting info](#)
- ▶ [PDF\(1886KB\)](#)
- ▶ [\[HTML全文\]\(0KB\)](#)
- ▶ [参考文献](#)

服务与反馈

- ▶ [把本文推荐给朋友](#)
- ▶ [加入我的书架](#)
- ▶ [加入引用管理器](#)
- ▶ [复制索引](#)
- ▶ [Email Alert](#)
- ▶ [文章反馈](#)
- ▶ [浏览反馈信息](#)

相关信息

- ▶ [本刊中 无 相关文章](#)
- ▶ [本文作者相关文章](#)

- [宿远](#)
- [王秀琴](#)
- [韦昌谦](#)
- [吴](#)