

十一个少数民族红细胞酸性磷酸酶、酯酶D、6-磷酸葡萄糖酸脱氢酶及谷丙转氨酶的遗传多态性*

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收稿日期 修回日期 网络版发布日期 接受日期

摘要 用淀粉凝胶电泳法对我国十一个少数民族红细胞酸性磷酸酶 (AcPB1)、酯酶D (EsD)、6-磷酸葡萄糖酸脱氢酶 (6-PGD) 及谷丙转氨酶 (GPT) 的遗传多态性进行了研究, 共调查了22 72人。研究表明: 侗、回、白、土家、苗、彝、藏、满、瑶、哈尼和布依等民族 AcPB1 基因频率依次为0.7835、0.7958、0.8137、0.7750、0.7624、0.8038、0.8075、0.8035、0.7725、0.6488和0.6896; EsD1基因依次为0.6418、0.7315、0.6005、0.6025、0.6411、0.6411、0.6558、0.6305、0.6020、0.6023和0.6368; 6-PGDA基因频率依次为0.9279、0.9381、0.9387、0.9150、0.9356、0.9014、0.7764、0.8818、0.9851、0.9233和0.9410; GPT1基因频率依次为0.4075、0.5367、0.5049、0.4824、0.5322、0.6106、0.6313、0.6400、0.3985、0.4930和0.3976。并对发现的变异型进行了讨论。

关键词 [红细胞酸性磷酸酶,酯酶D,6-磷酸葡萄糖酸脱氢酶,谷丙转氨酶,遗传多态性](#)

分类号

Genetic Polymorphism of AcP,EsD,6-PGD and GPT in Eleven Ethnic Groups of China

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Abstract

The genetic polymorphism of red cell acid phosphatase (Acp),Esterase D(EsD),6phosphogluconate Dehydrogenase(6-PGD) and Glutamic pyruvic transaminase (GPT) in eleven ethnic groups of China was studied by starch gel eletrophoresis.The results of 2272 testees showed that the gene frequencies of AcPB1 in Dong,Hui,Bai,Tujia ,Miao,Yi,Tibetan,Man,Yao,Hani,Buyi,etc.were 0.7835,0.7958,0.8137,0.7750,0.7624,0.8038,0.8075,0.8035,0.7725,0.6488,0.6896, EsD1 gene frequencies were 0.6418,0.7315,0.6005,0.6025,0.6411,0.6411,0.6558,0.6305,0.6020,0.6023,0.6368.6-PGDA gene frequencies 0.9279,0.9381,0.9387,0.9150,0.9356,0.9014,0.7764,0.8818,0.9851,0.9233,0.9410. GPT1 gene frequencies 0.4075,0.5367,0.5049,0.4824,0.5322,0.6106,0.6313,0.6400,0.3985,0.4930,0.3976,respectively.In addition,some rare variants were found.

Key words [AcP1](#) [EsD](#) [6-PGD](#) [GPT](#) [genetic polymorphism](#)

DOI:

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