

Title (en)  
A HIGH RESOLUTION TYPING SYSTEM FOR PATHOGENIC BORRELIA

Title (de)  
HOCHAUFLÖSENDES TYPISIERUNGSSYSTEM FÜR PATHOGENE BORRELIEN

Title (fr)  
SYSTEME DE TYPAGE HAUTE RESOLUTION POUR BORRELIA PATHOGENE

Publication  
**EP 1539782 A2 20050615 (EN)**

Application  
**EP 03763263 A 20030702**

Priority  
• US 0321153 W 20030702  
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Abstract (en)  
[origin: WO2004005479A2] MLVA methods for strain discrimination among globally diverse Borrelia isolates including B. burgdorferi, B. afzelii, and B. garinii are disclosed. Ten VNTR loci have been identified from genomic and plasmid sequences of Borrelia strains and primer pairs suitable for amplifying the VNTR by PCR are disclosed. Polymorphisms at these loci were used to resolve genotypes into distinct groups. The resolution of 30 unique genotypes into five to seven distinct groups is demonstrated.. This sub-typing scheme is useful for the epidemiological study of Borrelia and may be applied to the local detection of the pathological causative agent of Lyme Disease.

IPC 1-7  
**C07H 19/00**; **C07H 21/00**; **C07H 21/02**; **C07H 21/04**; **C12Q 1/00**; **C12Q 1/68**; **C12P 19/34**; **A61K 39/00**; **A61K 39/02**; **A61K 39/38**; **C12N 15/11**; **G01N 33/569**

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