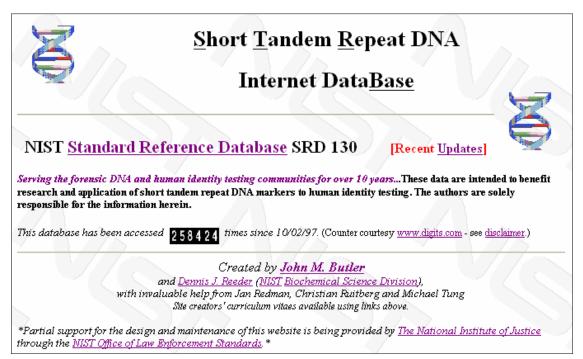
STRBase Website Updates

John M. Butler and NIST Human Identity Project Team

For more than a decade, the National Institute of Standards and Technology (NIST) has maintained the Short Tandem Repeat DNA Internet Database (STRBase), which is located at http://www.cstl.nist.gov/biotech/strbase/. The purpose of STRBase has been and continues to be an attempt to bring together the abundant literature and information in the human identity testing field in a cohesive fashion to make current and future work easier.

A number of updates and new resources that have been recently added to STRBase.



http://www.cstl.nist.gov/biotech/strbase/

General Information

Publications and Presentations from NIST Project Team NIJ-Funded Projects Links to other web sites Glossary of commonly used terms

Forensic STR Information

STRs101: Brief Introduction to STRs Core Loci: FBI CODIS Core STR Loci and European Core Loci STR Fact Sheets (observed alleles and PCR product sizes) Multiplex STR kits Sequence Information (annotated) Variant Allele Reports Tri-Allelic Patterns Mutation Rates for Common Loci Published PCR primers Y-chromosome STRs miniSTRs (short amplicons) – including MiniFiler Null Alleles - discordance observed between STR kits

Amelogenin information

STR Reference List Now >2900 references

Lab Resources and Tools

Addresses for scientists working with STRs Training Materials STR Allele Sequencing Population data – downloadable OmniPop program Data from NIST U.S. Population Samples NIST-Developed Software including mixSTR and Multiplex_QA NIST Standard Reference Material for PCR-Based Testing New STR Markers under Development at NIST DNA Advisory Board Quality Assurance Standards Interlaboratory Studies NIST Mixture 2005 Interlab Study MIX05 Data Validation information DNA Quantitation – including information on SRM 2372 Forensic SNP Information Technology for resolving STR alleles

Planned Future Additions

Non-Human DNA: Dog, Cat, and Plant STRs Mixture Interpretation – with worked examples Statistical Analysis Resources - with worked examples Known Flanking Region Variation

The new STRBase website content as of July 2007 is available on CD-ROM...

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