


# STRBase Website Updates

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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.



## Short Tandem Repeat DNA Internet DataBase

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**NIST Standard Reference Database SRD 130**      [\[Recent Updates\]](#)


*Serving the forensic DNA and human identity testing communities for over 10 years...These data are intended to benefit research and application of short tandem repeat DNA markers to human identity testing. The authors are solely responsible for the information herein.*

*This database has been accessed **258424** times since 10/02/97. (Counter courtesy [www.digits.com](http://www.digits.com) - see [disclaimer](#).)*

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Site creators' curriculum vitae available using links above.*

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<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...**