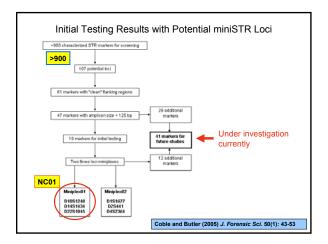
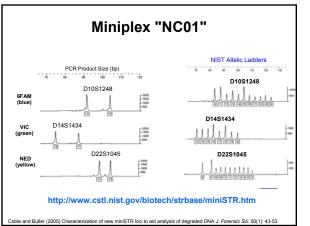
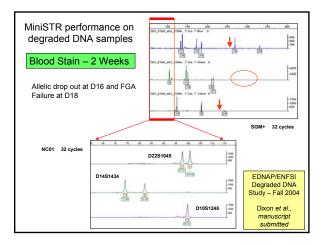


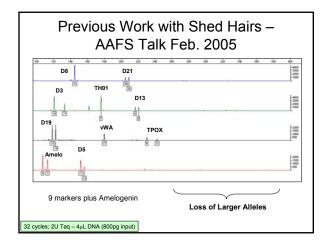
Why Go Beyond the CODIS Loci? (1) Large Allele Ranges (e.g. FGA) LMAAMAA 뮄 E. (2) "Unclean" Flanking Sequences Distance 3'end from Repeat Comment Locus D7S820 F 4 65 polyA stretch just 3' of repeat R D18S51 F 5 33 R partial repeat just 3' to repeat

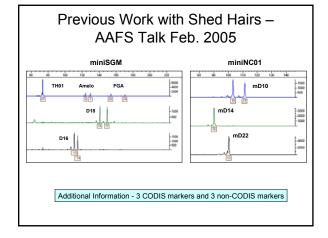


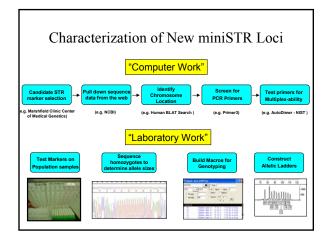


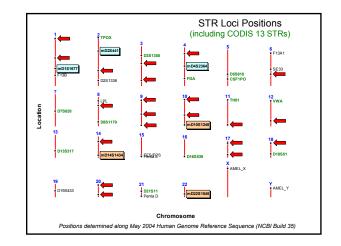




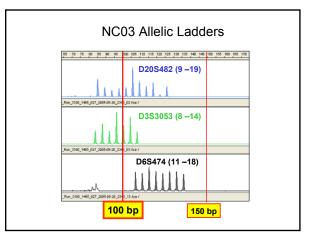


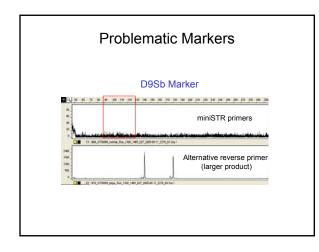


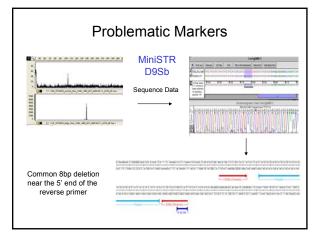




| We a | re in f | he proc | cess of | develo | ping 27 | loci |
|---------------------|----------------|----------------------|---------------------------|------------------------|--------------------------|----------------------|
| no a | | | | | ping 27 | |
| | | | | Observ | ed Heterozyg | osity |
| Candidate Marker | Repeat Type | Obs. Allele Range | Allele Size Range (bp) | Caucasian (n = 262) | African Am. (n = 260) | Hispanio (n = 140 |
| D3S3053 | Tetra | 8 - 14 | 84 - 108 | 0.724 | 0.713 | 0.814 |
| D6S474 | Tetra | 11 - 18 | 107 - 135 | 0.802 | 0.765 | 0.679 |
| D20S482 | Tetra | 9 - 19 | 86 - 126 | 0.689 | 0.673 | 0.729 |
| D1Sa | Tetra | 7 - 13 | 81 - 105 | 0.632 | 0.673 | 0.727 |
| D1Sb | Tri | 10 - 16 | 81 - 99 | 0.737 | 0.783 | 0.693 |
| D2Sa | Tetra | 6 - 14 | 127 - 161 | 0.801 | 0.740 | 0.734 |
| D3Sa | Tetra | 12 - 19 | 111 - 139 | 0.723 | 0.752 | 0.829 |
| D4Sa | Tetra | 7 - 13 | 85 - 109 | 0.709 | 0.752 | 0.691 |
| D9Sa | Tetra | 9 - 17 | 93 - 125 | 0.742 | 0.753 | 0.686 |
| D12Sa | Tri | 10 - 20 | 76 - 106 | 0.842 | 0.788 | 0.879 |







| | Autosom | al miniSTF | R Loci docus hyperlinks to STR Fact 3 | (Seet) |
|---------------------------|---------------------------------------|-------------------|---------------------------------------|-------------------|
| | NC01: [D10 | S1248] [D1451 | 434] [D2251045] | |
| | NC02: [D45 | 2364] [D2544] | [][D1S1677] | |
| | NC03: [D35 | 3053] [D68474 | I] [D205482] | |
| | NC04: | | | |
| | | | | |
| 100124 | NC05: | | | |
| 10S1248 | | | | |
| | 0.000 | Set 2 mini/NTR | Repeat Structure | Ref. |
| R Preduct Sizes | Observed Alleles | | Repeat Structure | Raf. Senon Lim |
| Allele (Repeat #) | (Observed Alleles Set 1 | miniNTR | Repeat Structure | |
| Allele (Repeat #) 9 | Coloresved Alleles Set 1 227 bp | miniNTR 79 bp | | |

