Title: U.S. Population Sequence Data for 27 Autosomal STR Loci

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U.S. Population Sequence Data for 27 Autosomal STR Loci

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Highlights

- N=1036 samples were sequenced at 27 autosomal STR loci
- CE concordance evaluation was performed for every sample and locus
- Results were confirmed across two bioinformatic pipelines
- Accession numbers are available for each sequence in the STRSeq BioProject

ABSTRACT

This manuscript reports Short Tandem Repeat (STR) sequence-based allele frequencies for 1,036 samples across 27 autosomal STR loci: D1S1656, TPOX, D2S441, D2S1338, D3S1358, D4S2408, FGA, D5S818, CSF1PO, D6S1043, D7S820, D8S1179, D9S1122, D10S1248, TH01, vWA, D12S391, D13S317, Penta E, D16S539, D17S1301, D18S51, D19S433, D20S482, D21S11, Penta D, and D22S1045. Sequence data was analyzed by two bioinformatic pipelines and all samples have been evaluated for concordance with alleles