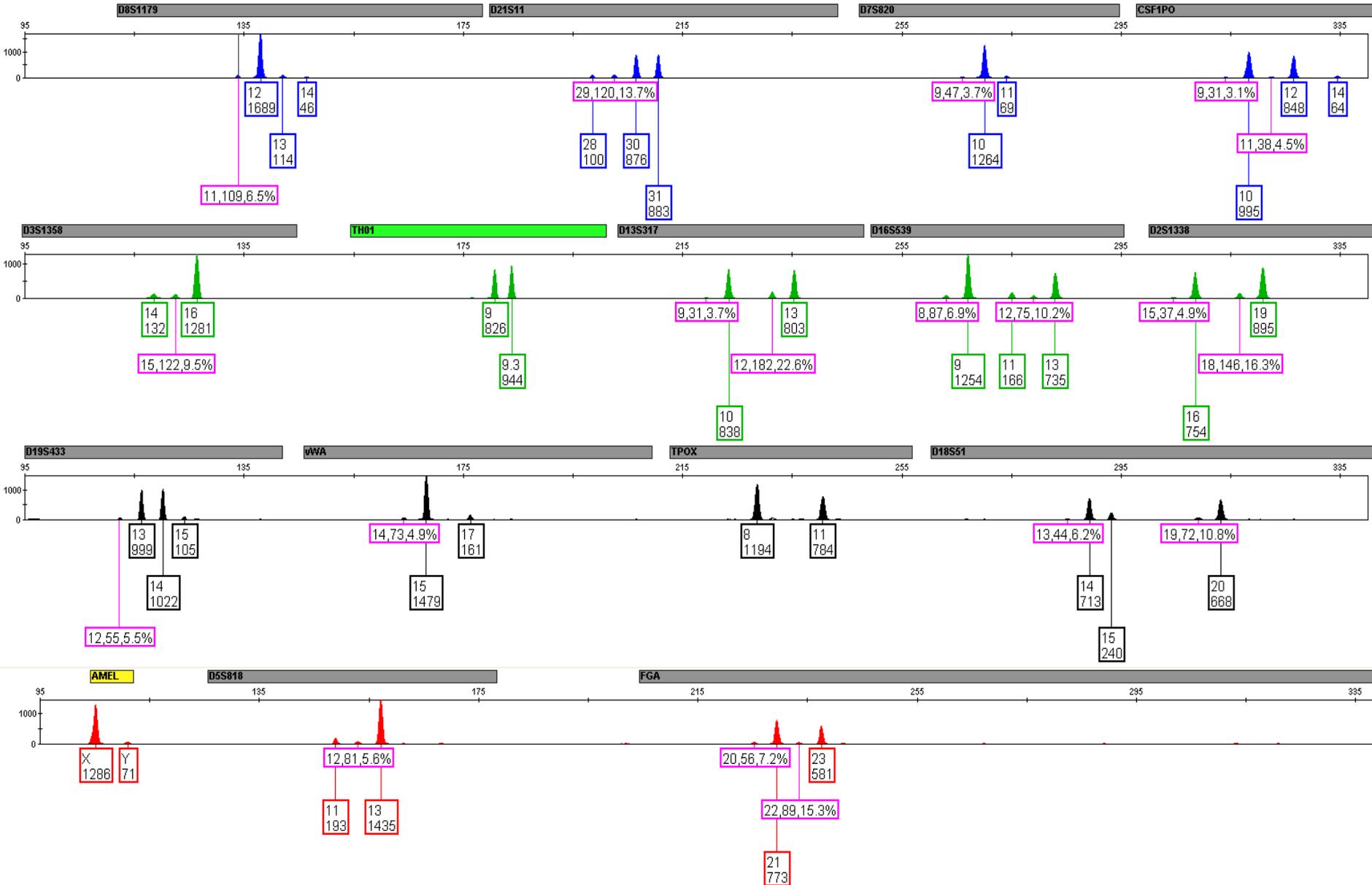


# Profile # 1 (stutter filter off)

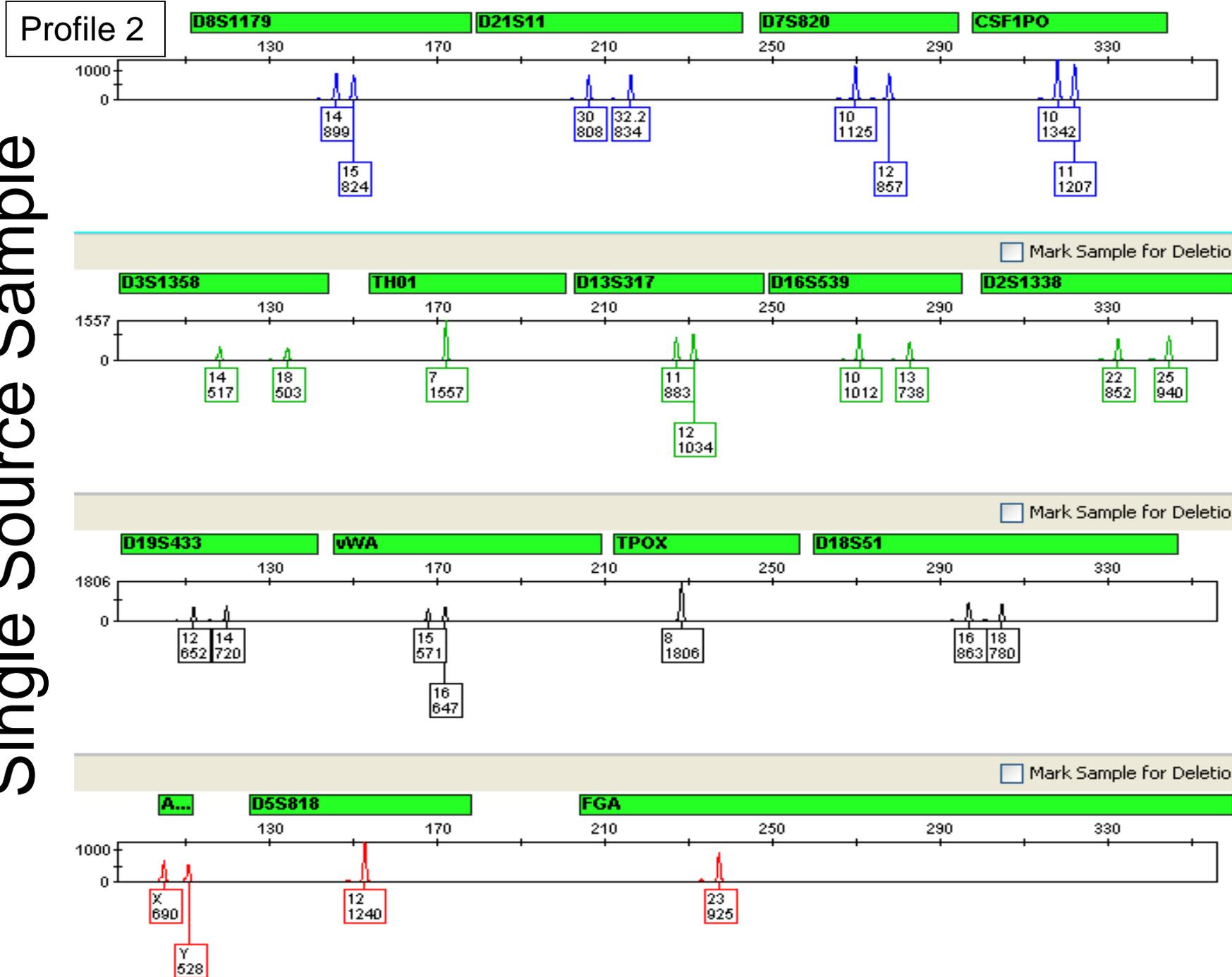


# Assumptions & Interpretations

## Profiles 2, 3, and 4

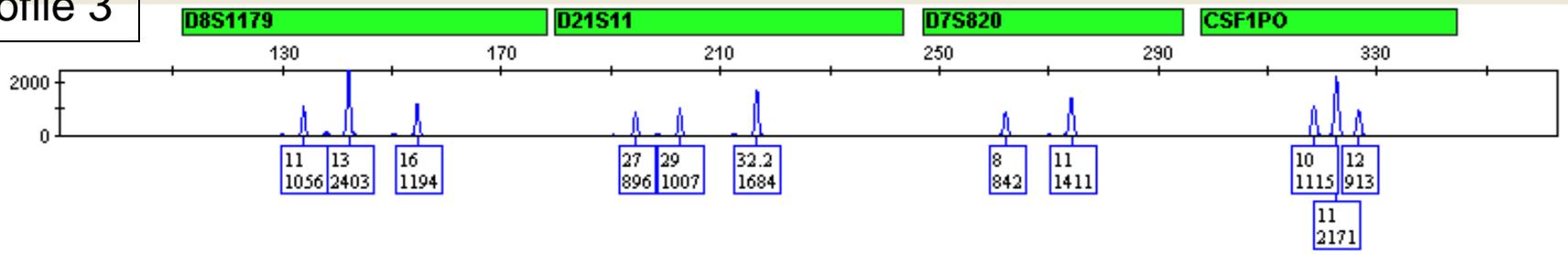
- Would you interpret Profile 2?
  - If so, why?
  - If not, why not?
- Would you interpret Profile 3?
  - If so, why?
  - If not, why not?
- Would you interpret Profile 4?
  - Single source or mixture?

# Single Source Sample

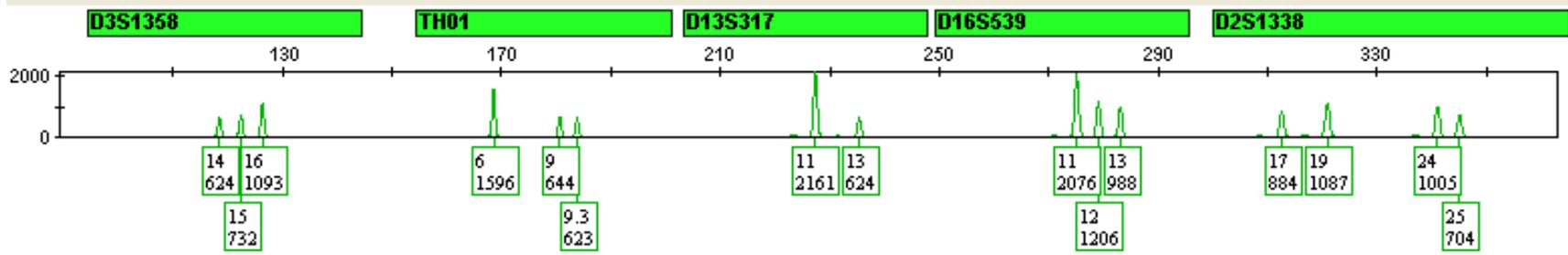


# Two-Person Mixture

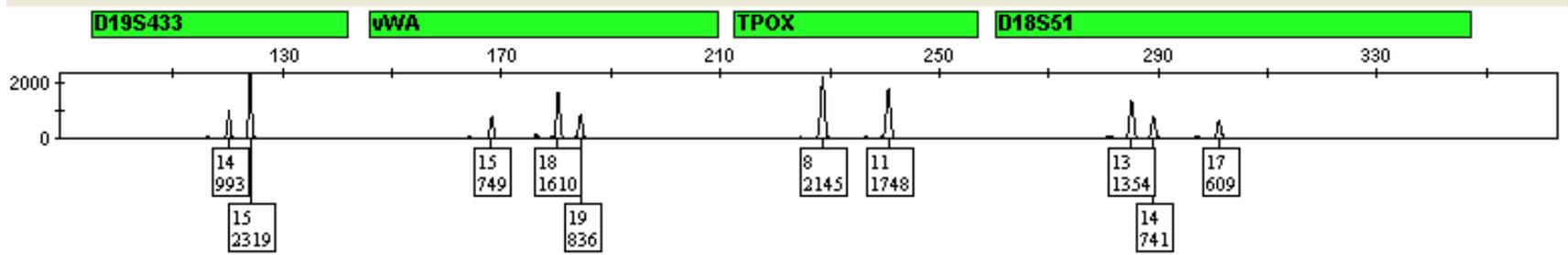
Profile 3



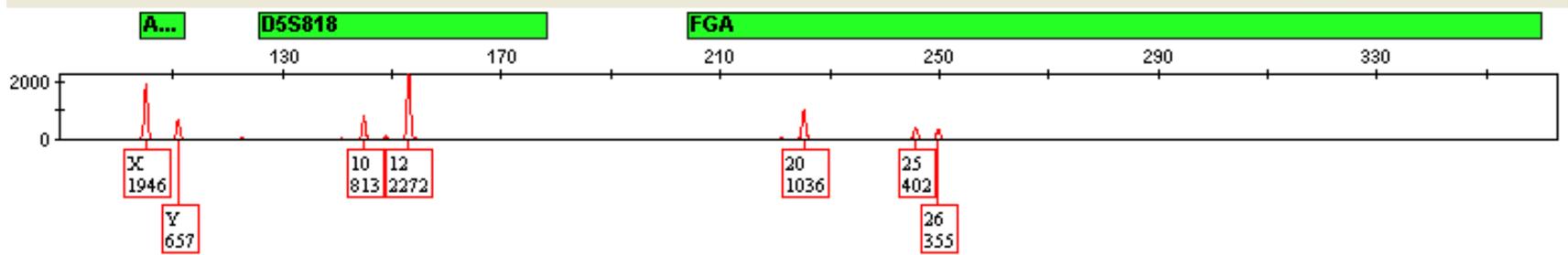
Mark Sample for Deletion



Mark Sample for Deletion

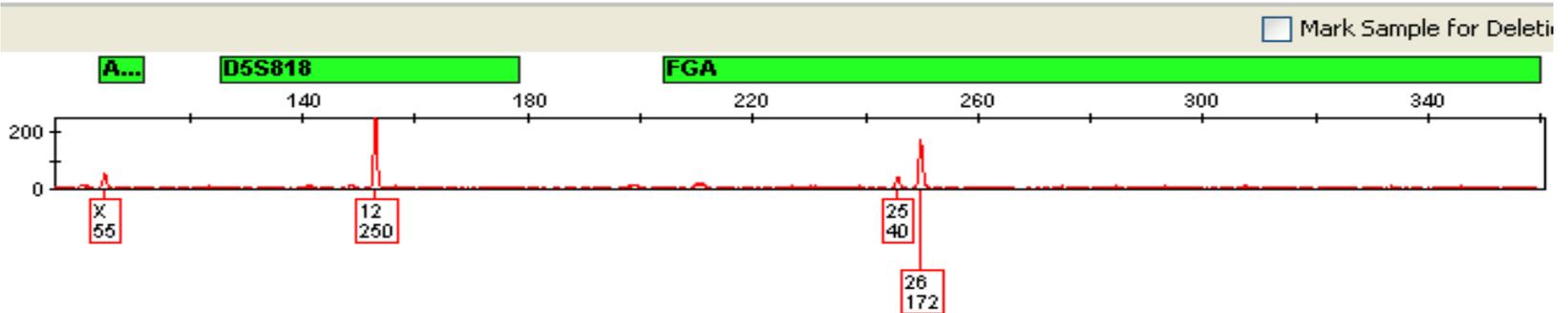
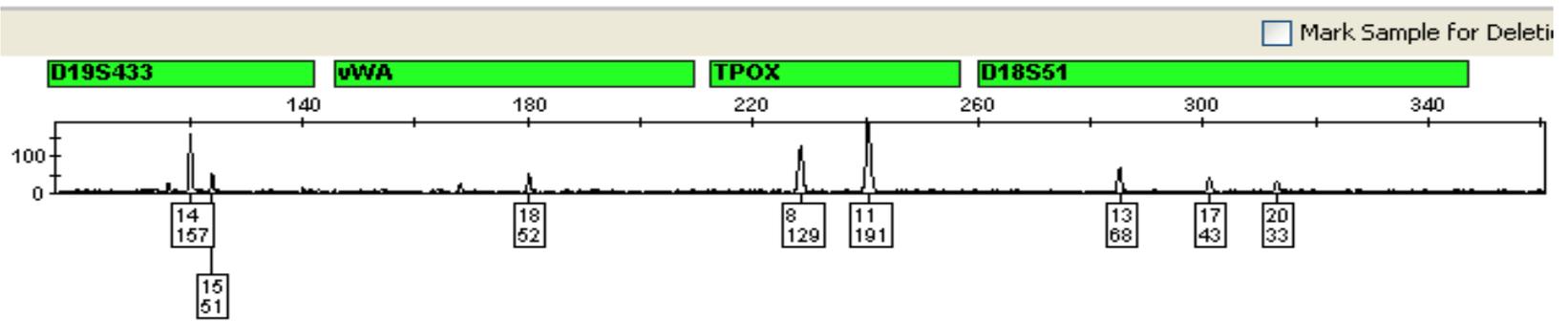
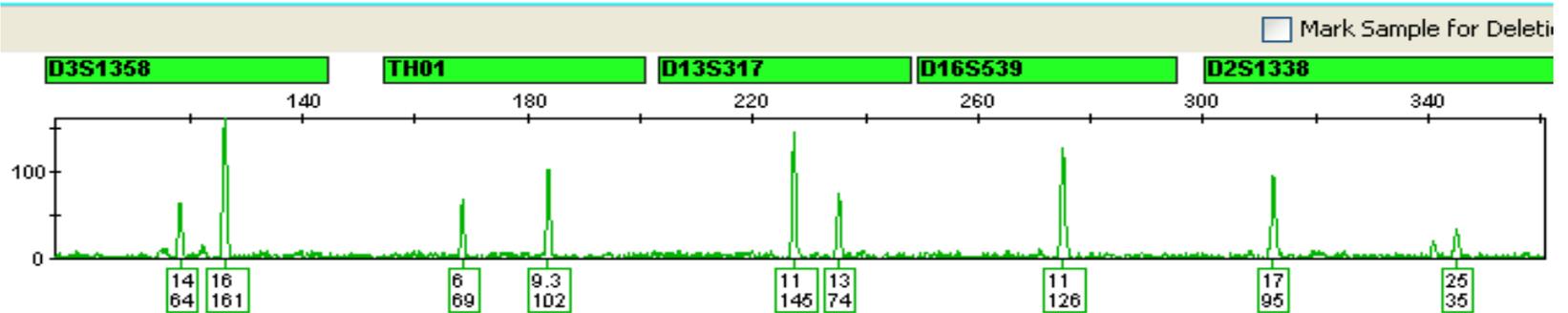
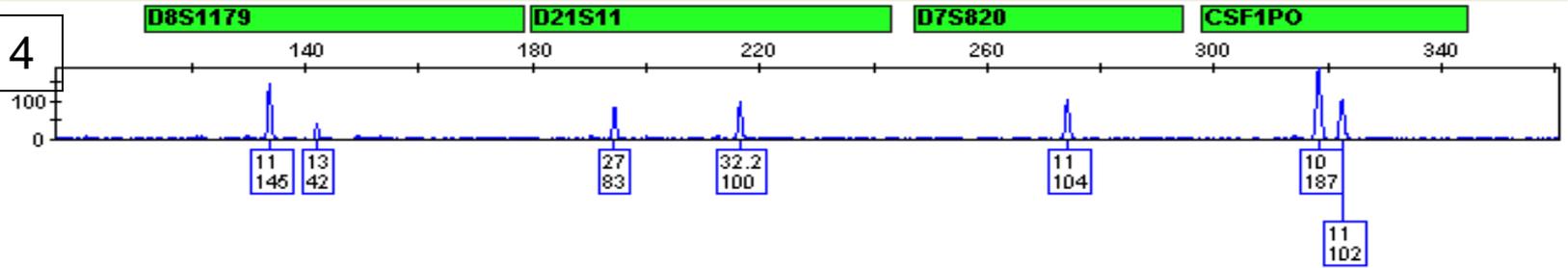


Mark Sample for Deletion



# Single Source vs. Mixture?

Profile 4



# Assumptions & Interpretations

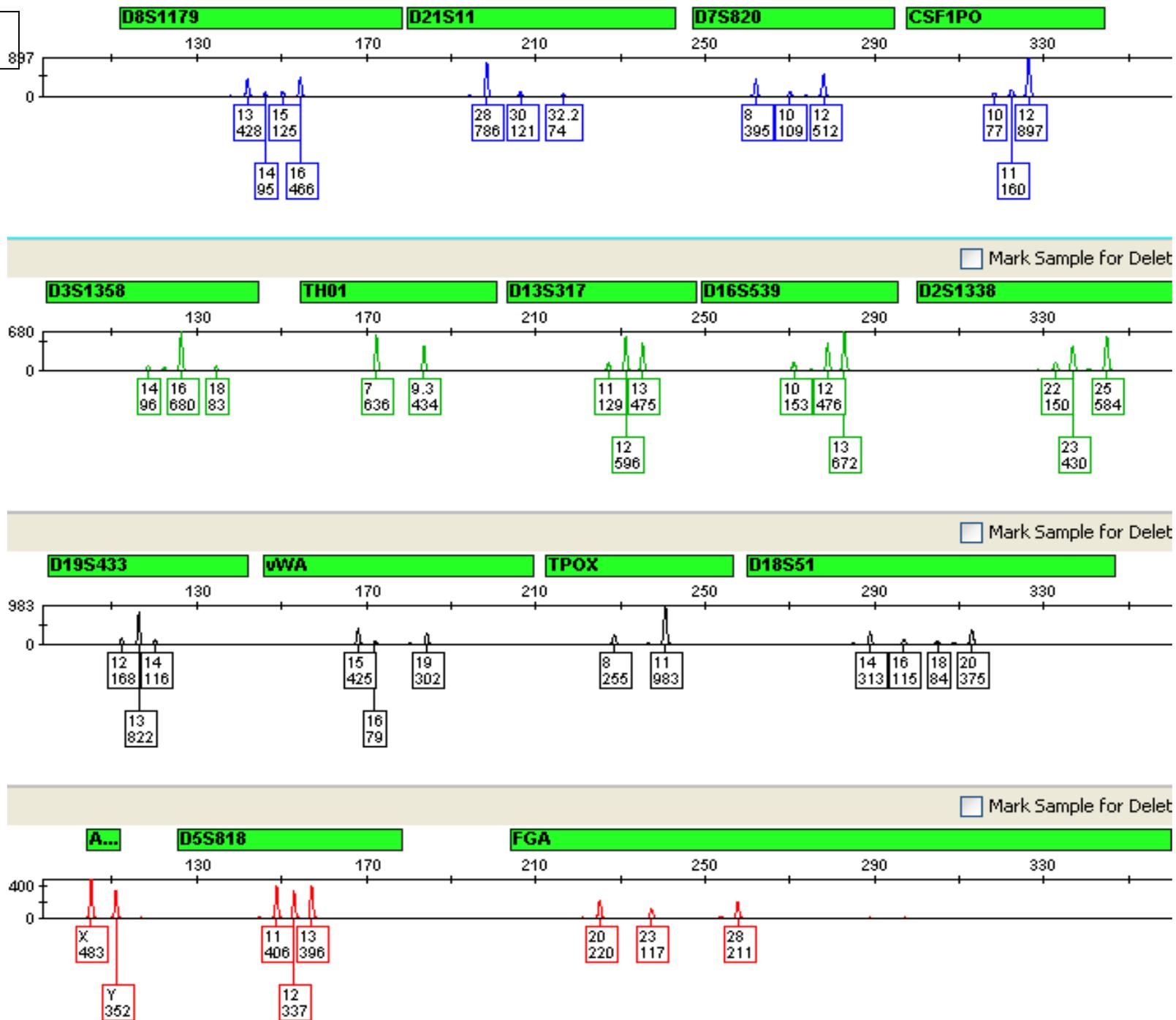
## Profiles 5 and 6

- For Profile 5, what assumptions would you make regarding the presence of all alleles and the number of contributors?
- Using the first two loci from Profile 5, would you include or exclude the Known individual with the genotypes given?
- Using the two loci shown from Profile 6, would you include or exclude the Known individual with the genotypes given?

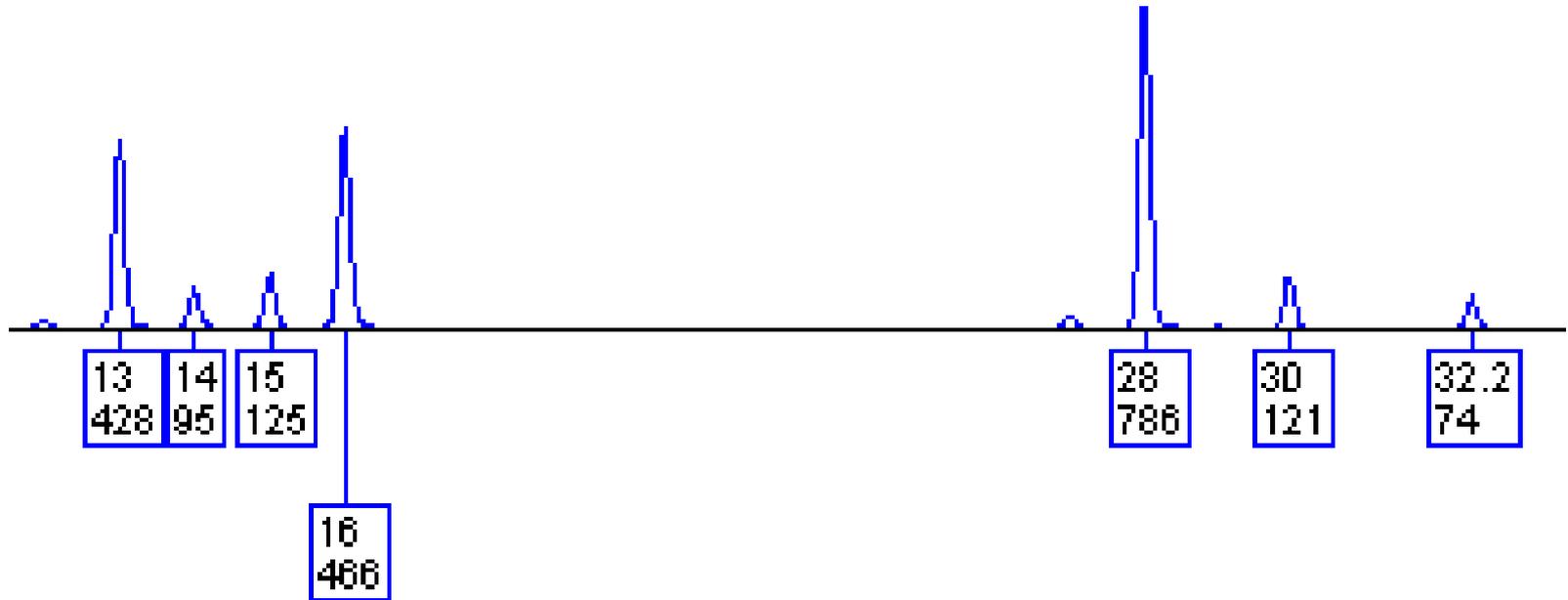
# All Alleles vs. Allelic Drop-out?

## Two or More Contributors?

Profile 5



# Is Known Individual Included or Excluded?



Known:  
13,14

Known:  
28,30

Profile 6

# Indistinguishable Mixture Profile



Known: 13,14

Known: 28,30

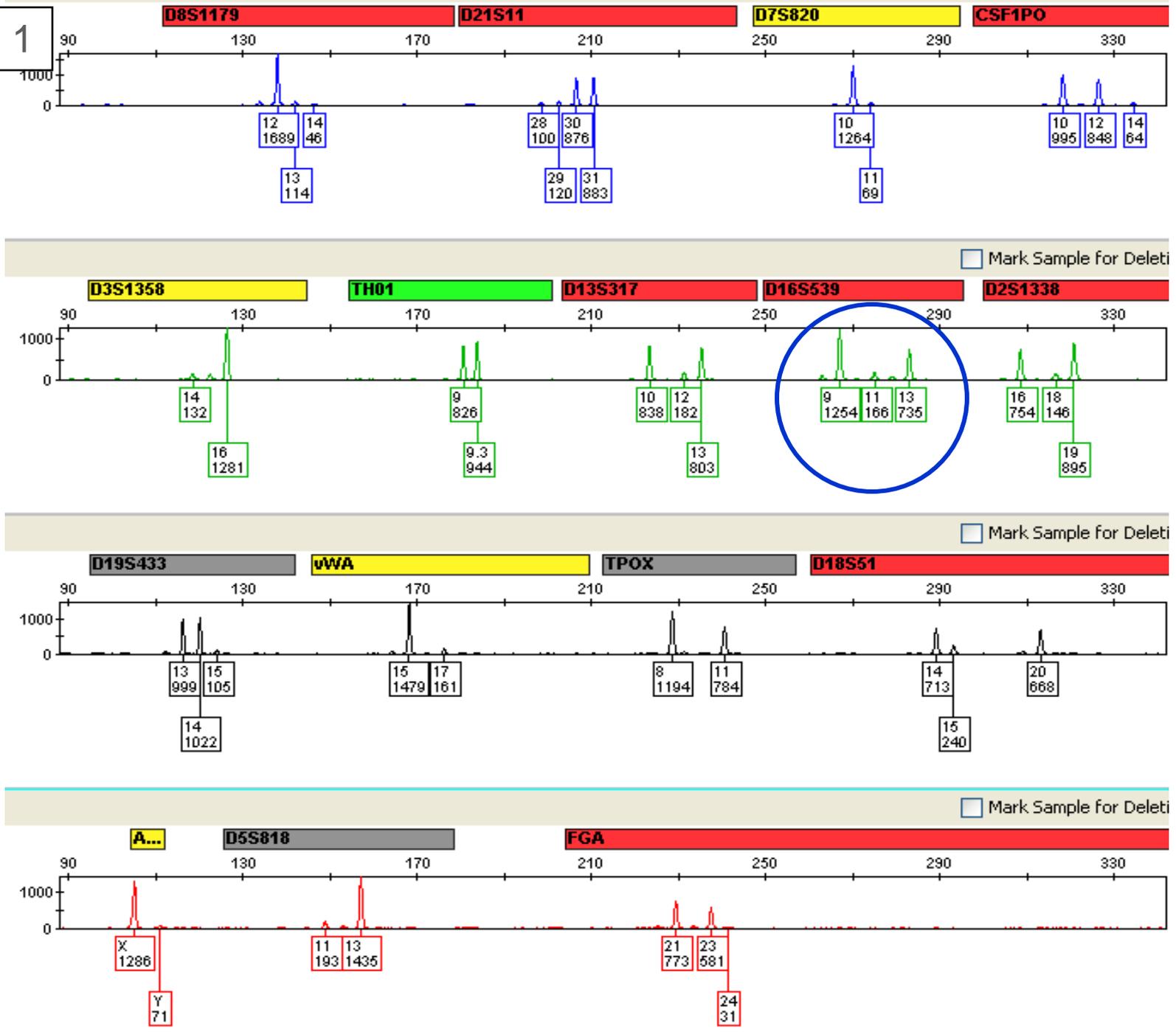
# Assumptions & Interpretations

## Profiles 1, 7 and 8

- For Profile 1, what assumptions would you make regarding the presence of all alleles and the number of contributors?
  - Look specifically at the locus D16.
- For Profiles 7 and 8, would you interpret this profile as a major:minor (distinguishable) or indistinguishable mixture? What number of contributors would you assume?

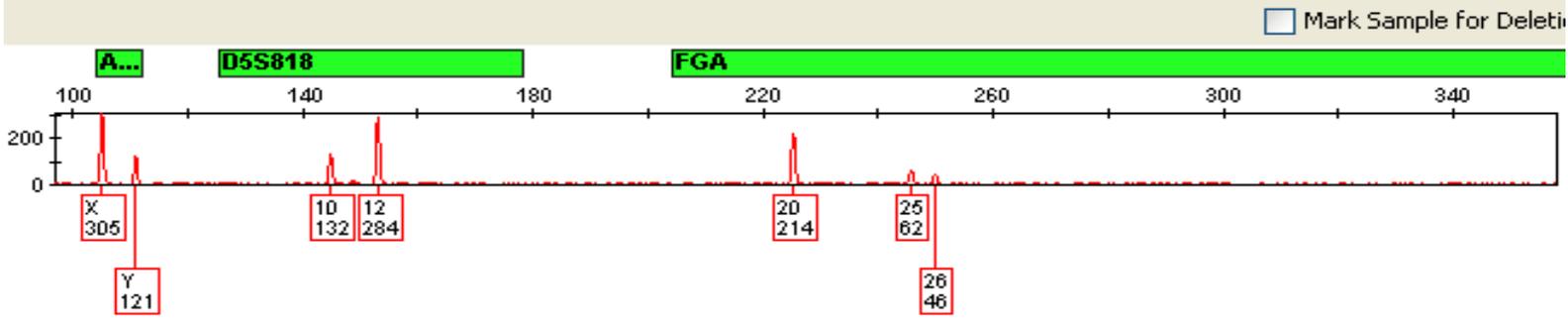
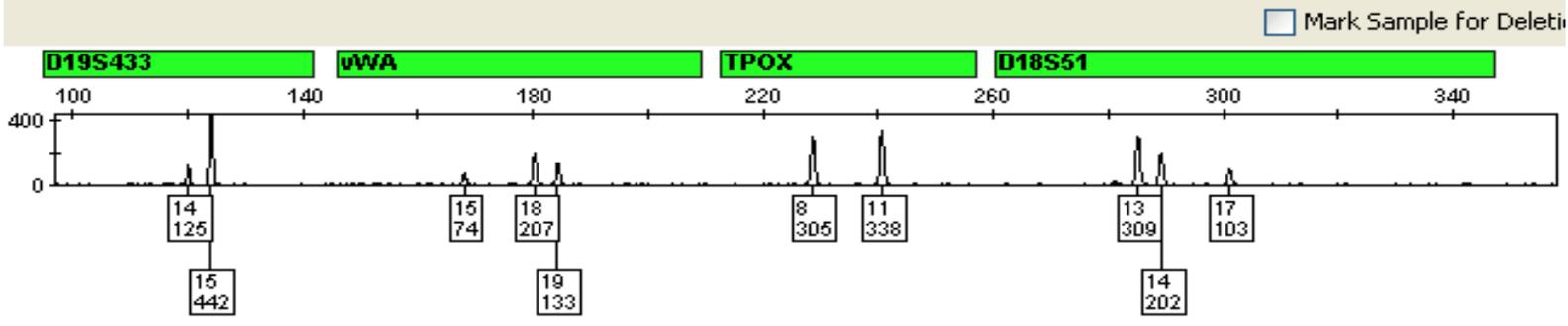
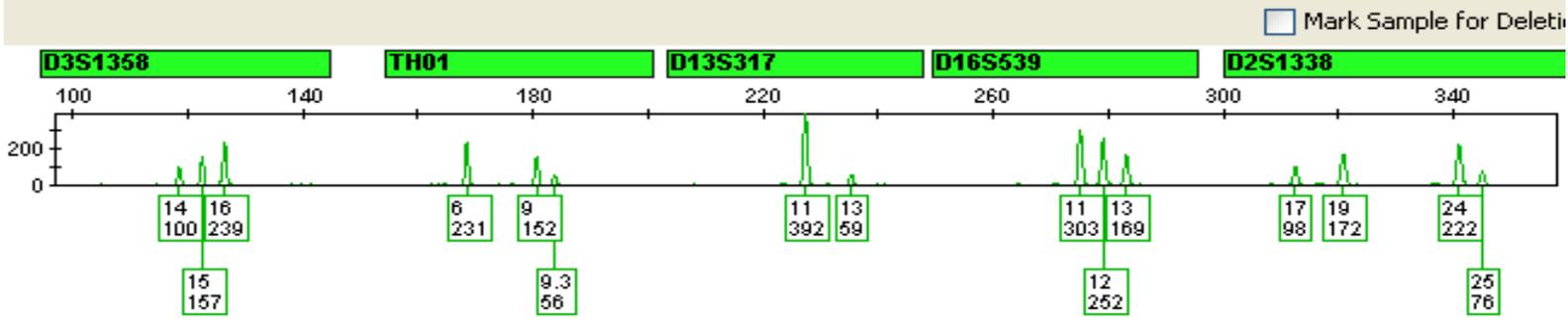
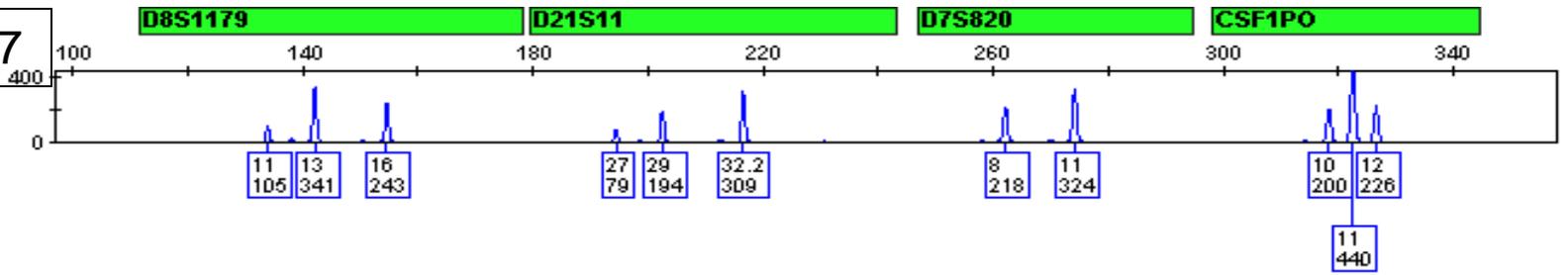
Stutter or true allele?  
All alleles present?

Profile 1



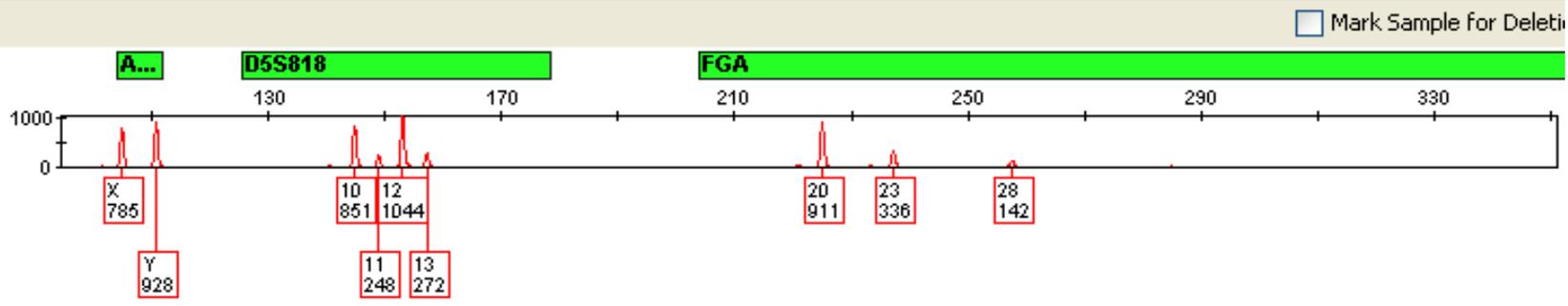
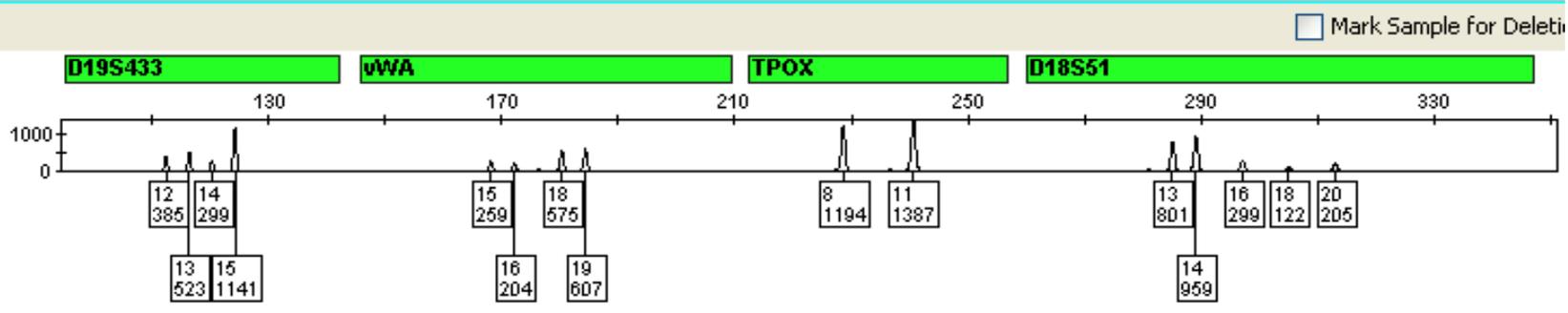
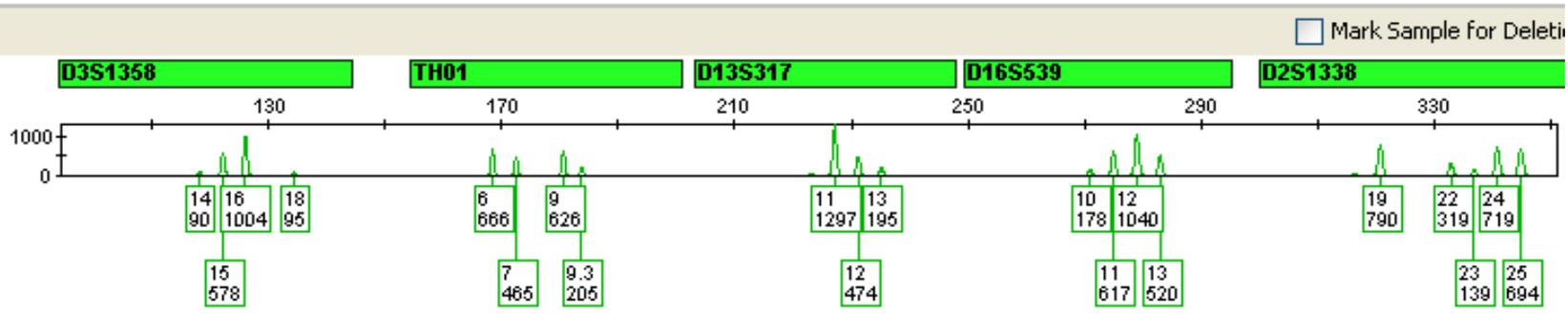
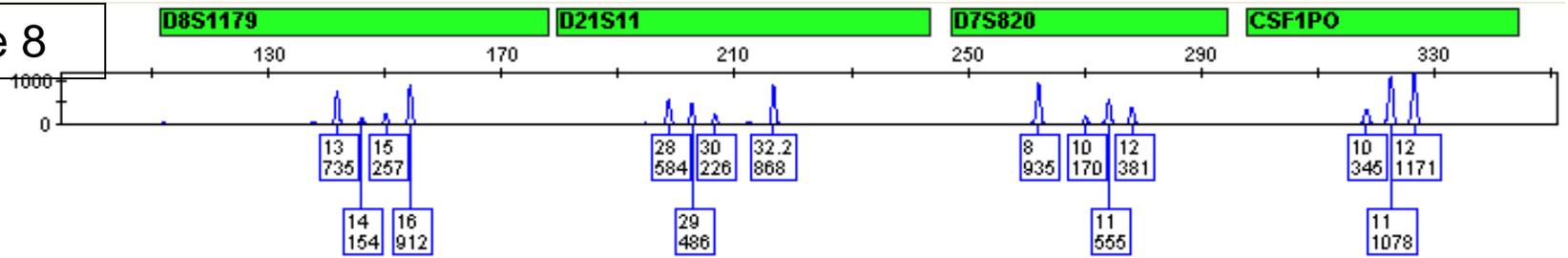
Major vs. Indistinguishable?  
2 contributors?

Profile 7



# Major vs. Indistinguishable? Number of Contributors?

Profile 8

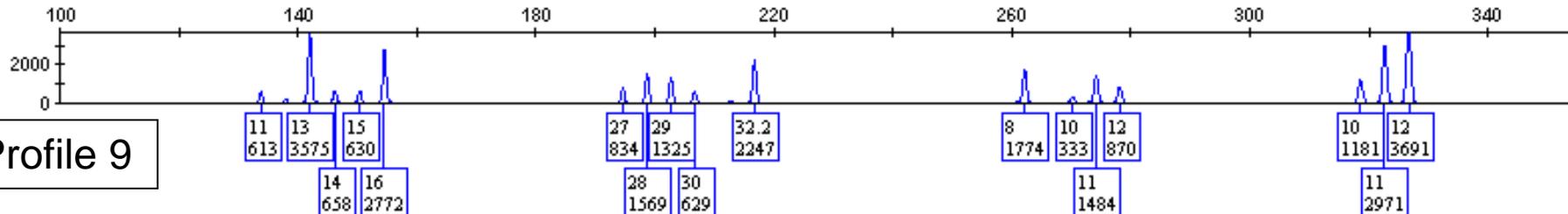


# Complex Mixtures

## Profile 9

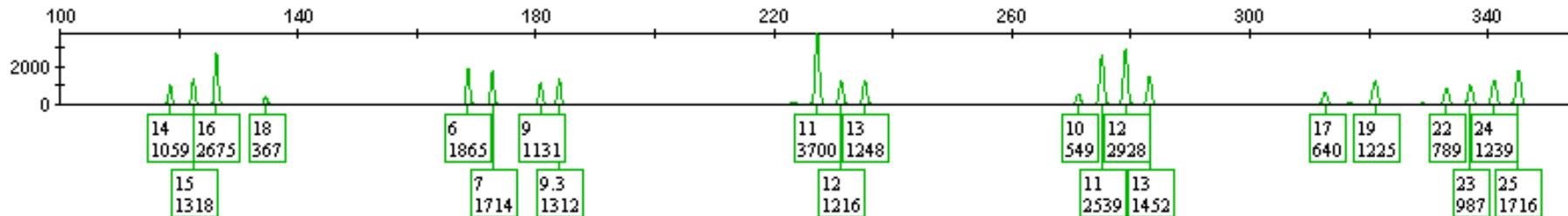
- Would you interpret this profile?
- What assumption of number of contributors would you use?
- Is there a major contributor profile present?

**D8S1179** **D21S11** **D7S820** **CSF1PO**



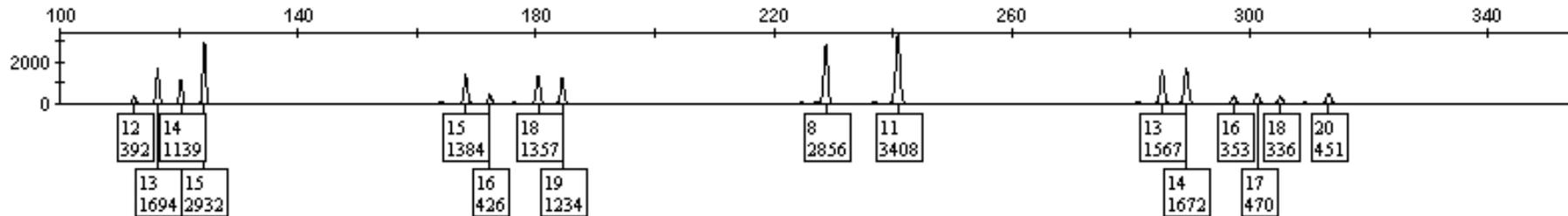
Mark Sample for Deletion

**D3S1358** **TH01** **D13S317** **D16S539** **D2S1338**



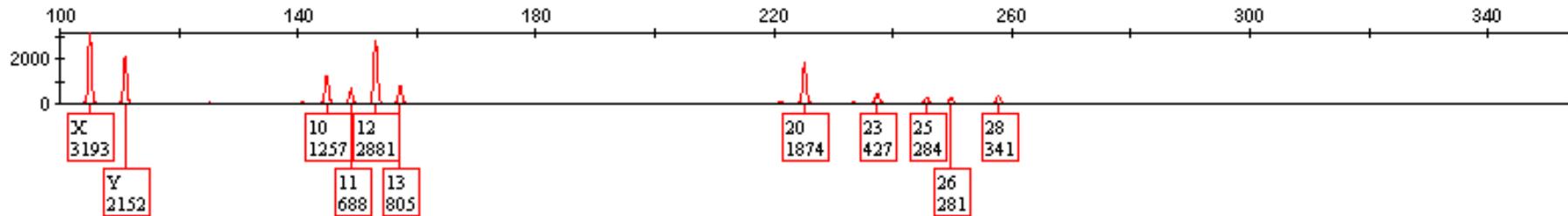
Mark Sample for Deletion

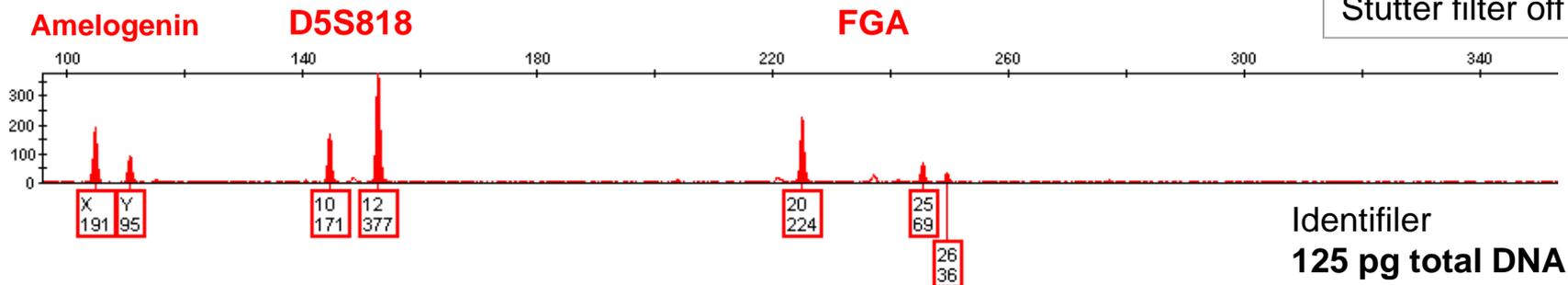
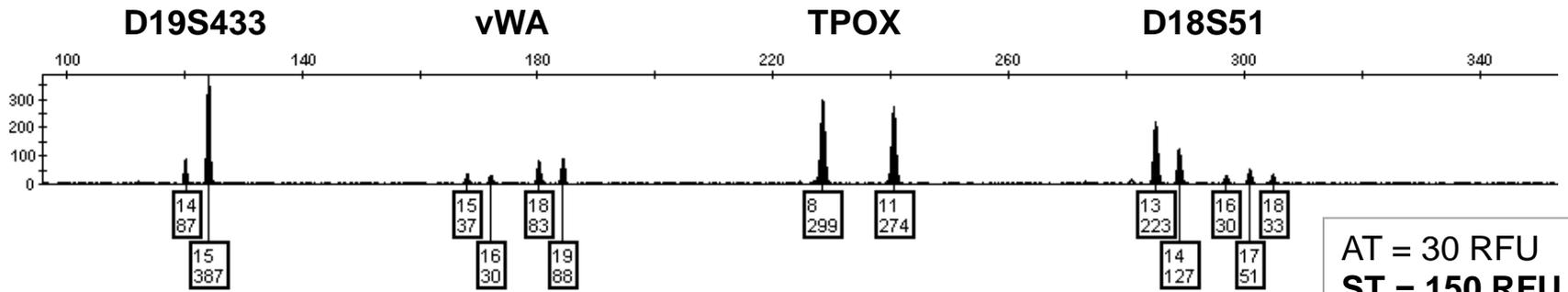
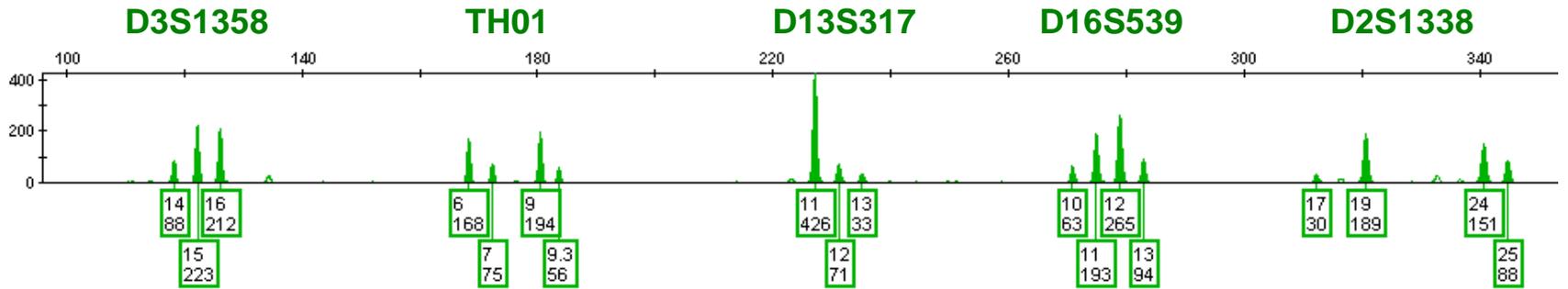
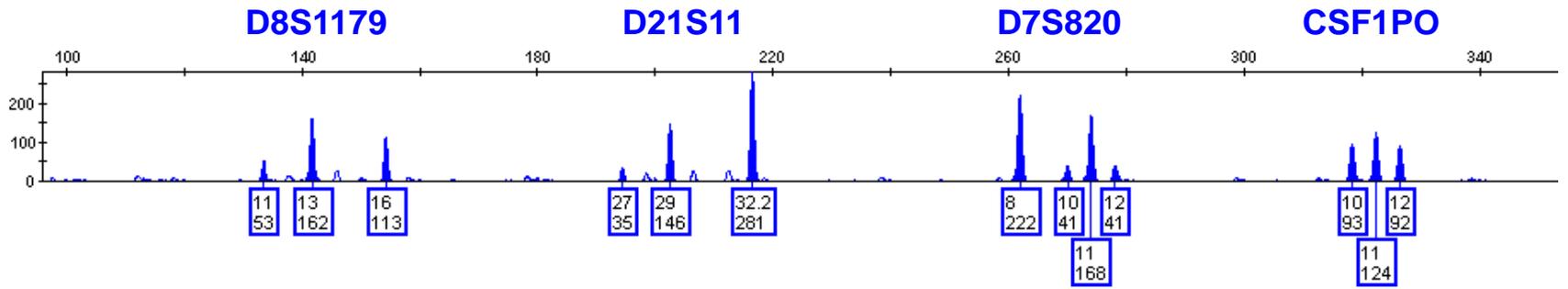
**D19S433** **vWA** **TPOX** **D18S51**



Mark Sample for Deletion

**A...** **D5S818** **FGA**





AT = 30 RFU  
 ST = 150 RFU  
 Stutter filter off

Profile #10

Identifiler  
 125 pg total DNA