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?
Profile 2

Single Source Sample
Two-Person Mixture
Profile 4

Single Source vs. Mixture?
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?
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?
Major vs. Indistinguishable?
Number of Contributors?
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?