

a. parental haplotype	ATAAATATTACTCGTCGTCGTTGTGTATACTGCAGT
b. SNP	ATAAATATTACTCGTC A TCGTTGTGTATACTGCAGT
c. insertion	ATAAATATTACTCGTC TC ATCGTTGTGTATACTGCAGT
d. deletion	ATAAATATTACTCGTCGTTGTGTATACTGCAGT
e. inversion	ATAAATATTACTCGTC CGAG TTGTGTATACTGCAGT
f. STR expansion	ATAAATATTACTCGTCGTCGTT CGT TGTGTATACTGCAGT 
g. STR contraction	ATAAATATTACTCGTCGTTGTGTATACTGCAGT 
h. tandem duplication	ATAAATATTACTCGTCGTCGTTG CGTCGTCGTTG TGTATACTGCAGT 