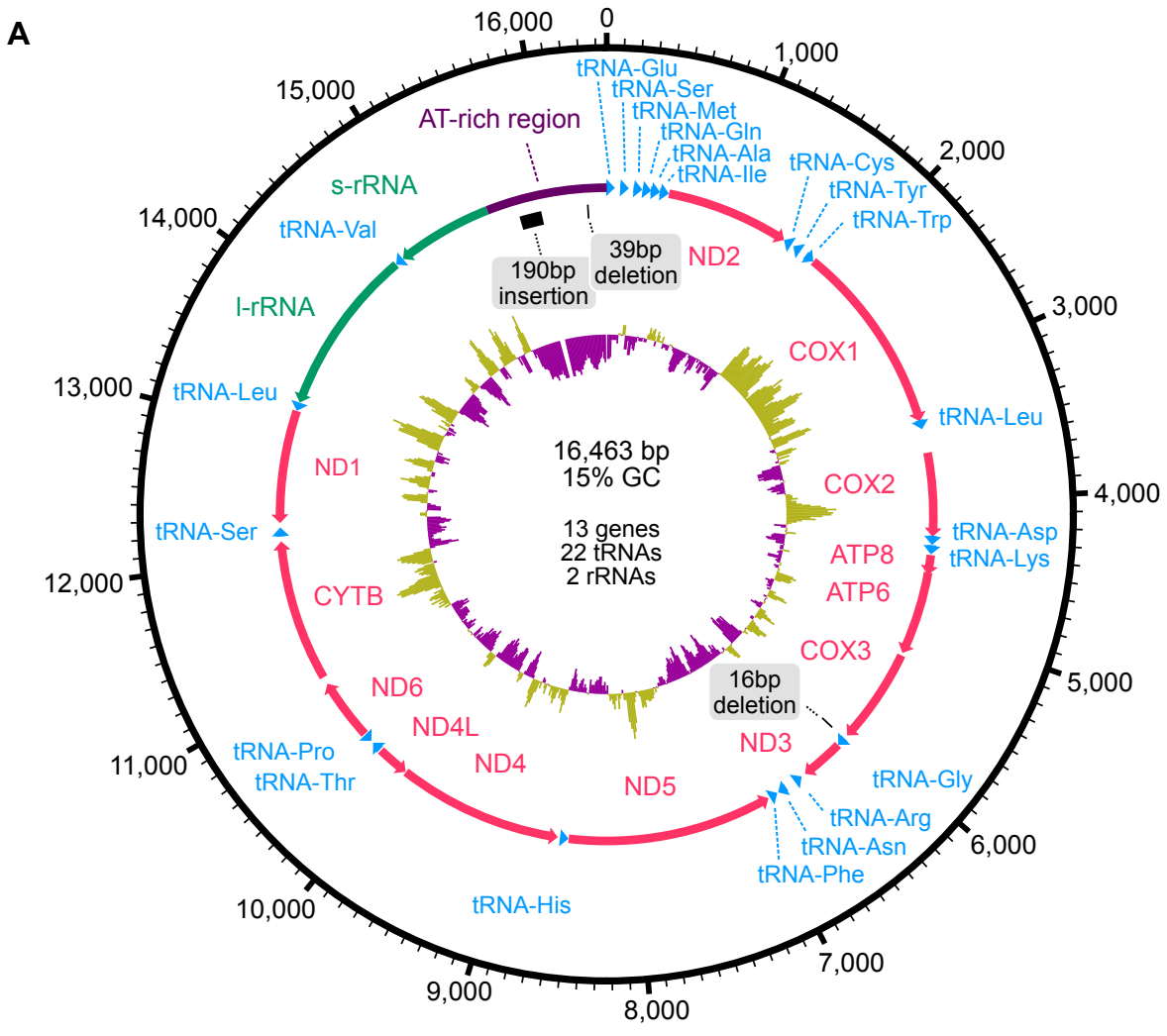
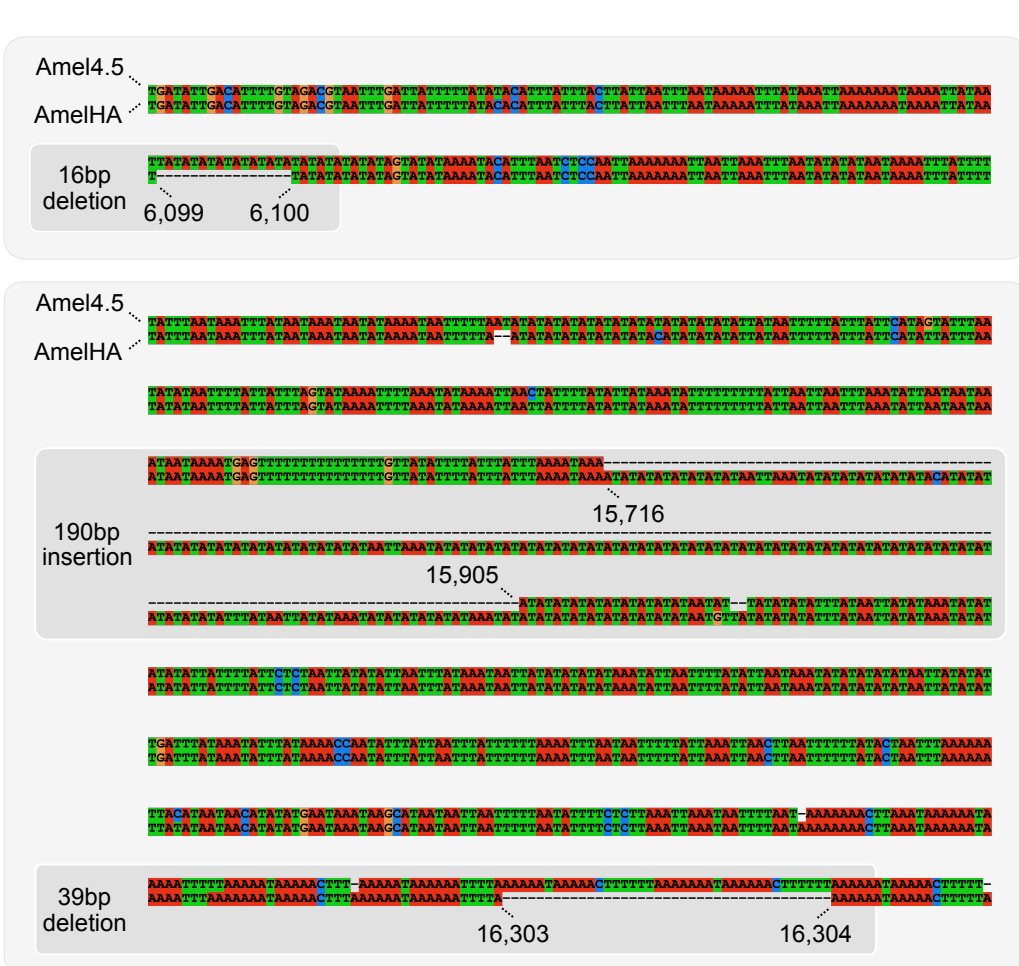

A
16,000
0
1,000
2,000
3,000
4,000
5,000
6,000
7,000
8,000
9,000
10,000
11,000
12,000
13,000
14,000
15,000
tRNA-Glu
tRNA-Ser
tRNA-Met
tRNA-Gln
tRNA-Ala
tRNA-Ile
AT-rich region
tRNA-Cys
tRNA-Tyr
tRNA-Trp
s-rRNA
tRNA-Val
190bp insertion
39bp deletion
ND2
l-rRNA
COX1
tRNA-Leu
tRNA-Leu
16,463 bp
15% GC
13 genes
22 tRNAs
2 rRNAs
ND1
COX2
tRNA-Ser
tRNA-Asp
tRNA-Lys
ATP8
ATP6
CYTB
COX3
16bp deletion
ND6
ND4L
ND3
tRNA-Pro
tRNA-Thr
ND4
ND5
tRNA-Gly
tRNA-Arg
tRNA-Asn
tRNA-Phe
tRNA-His


B
Amel4.5
AmelHA
16bp deletion
6,099
6,100
Amel4.5
AmelHA
190bp insertion
15,716
15,905
39bp deletion
16,303
16,304