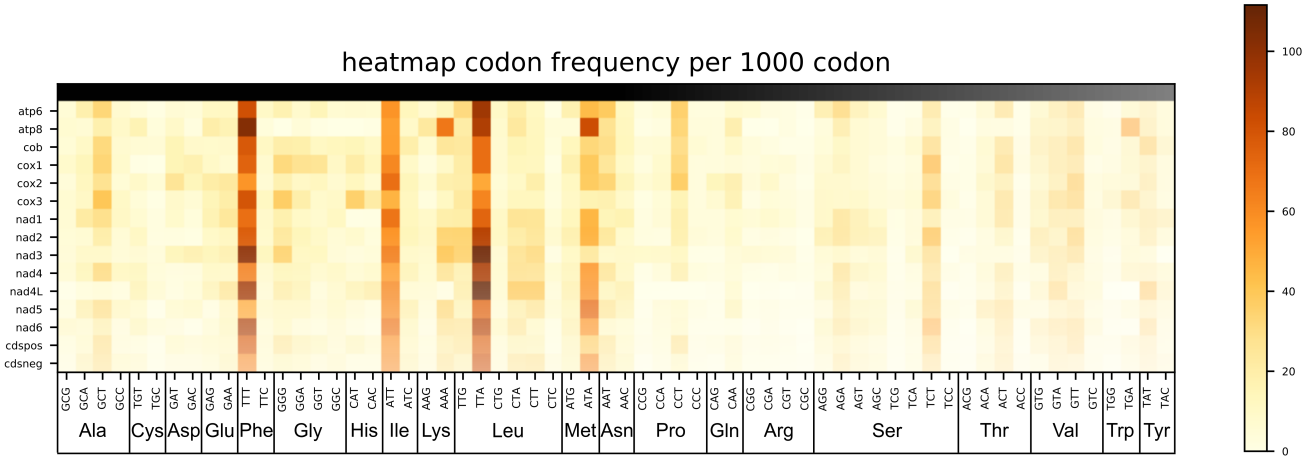
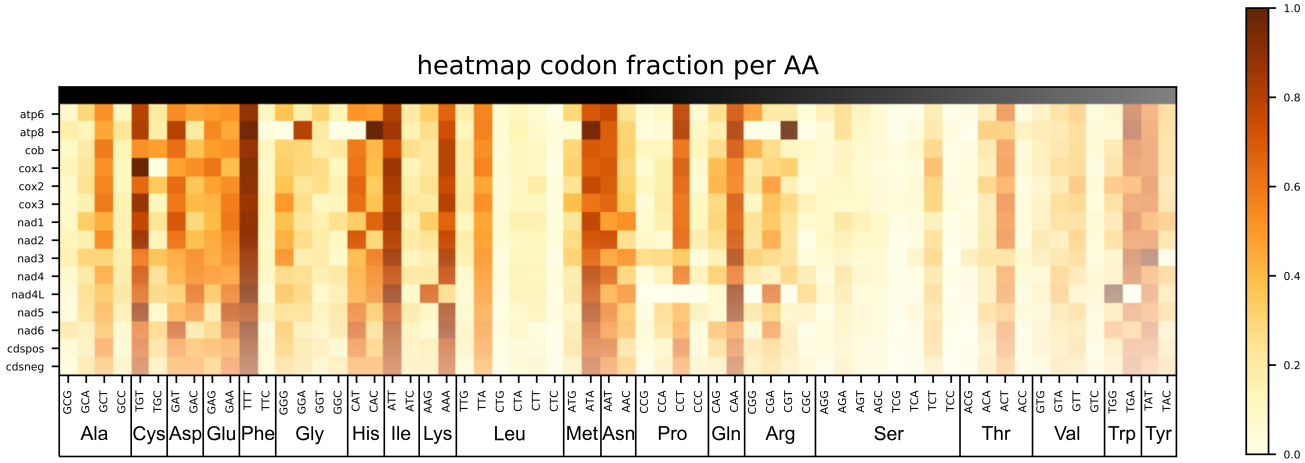

heatmap codon frequency per 1000 codon
atp6
atp8
cob
cox1
cox2
cox3
nad1
nad2
nad3
nad4
nad4L
nad5
nad6
cdspos
cdsneg
GCG GCA GCT GCC
Ala
TGT TGC
Cys
GAT GAC
Asp
GAG GAA
Glu
TTT TTC
Phe
GGG GGA GGT GGC
Gly
CAT CAC
His
ATT ATC
Ile
AAG AAA
Lys
TTG TTA CTG CTA CTT CTC
Leu
ATG ATA
Met
AAT AAC
Asn
CCG CCA CCT CCC
Pro
CAG CAA
Gln
CGG CGA CGT CGC
Arg
AGG AGA AGT AGC TCG TCA TCT TCC
Ser
ACG ACA ACT ACC
Thr
GTG GTA GTT GTC
Val
TGG TGA
Trp
TAT TAC
Tyr
100
80
60
40
20
0


heatmap codon fraction per AA
atp6
atp8
cob
cox1
cox2
cox3
nad1
nad2
nad3
nad4
nad4L
nad5
nad6
cdspos
cdsneg
GCG GCA GCT GCC
Ala
TGT TGC
Cys
GAT GAC
Asp
GAG GAA
Glu
TTT TTC
Phe
GGG GGA GGT GGC
Gly
CAT CAC
His
ATT ATC
Ile
AAG AAA
Lys
TTG TTA CTG CTA CTT CTC
Leu
ATG ATA
Met
AAT AAC
Asn
CCG CCA CCT CCC
Pro
CAG CAA
Gln
CGG CGA CGT CGC
Arg
AGG AGA AGT AGC TCG TCA TCT TCC
Ser
ACG ACA ACT ACC
Thr
GTG GTA GTT GTC
Val
TGG TGA
Trp
TAT TAC
Tyr
1.0
0.8
0.6
0.4
0.2
0.0