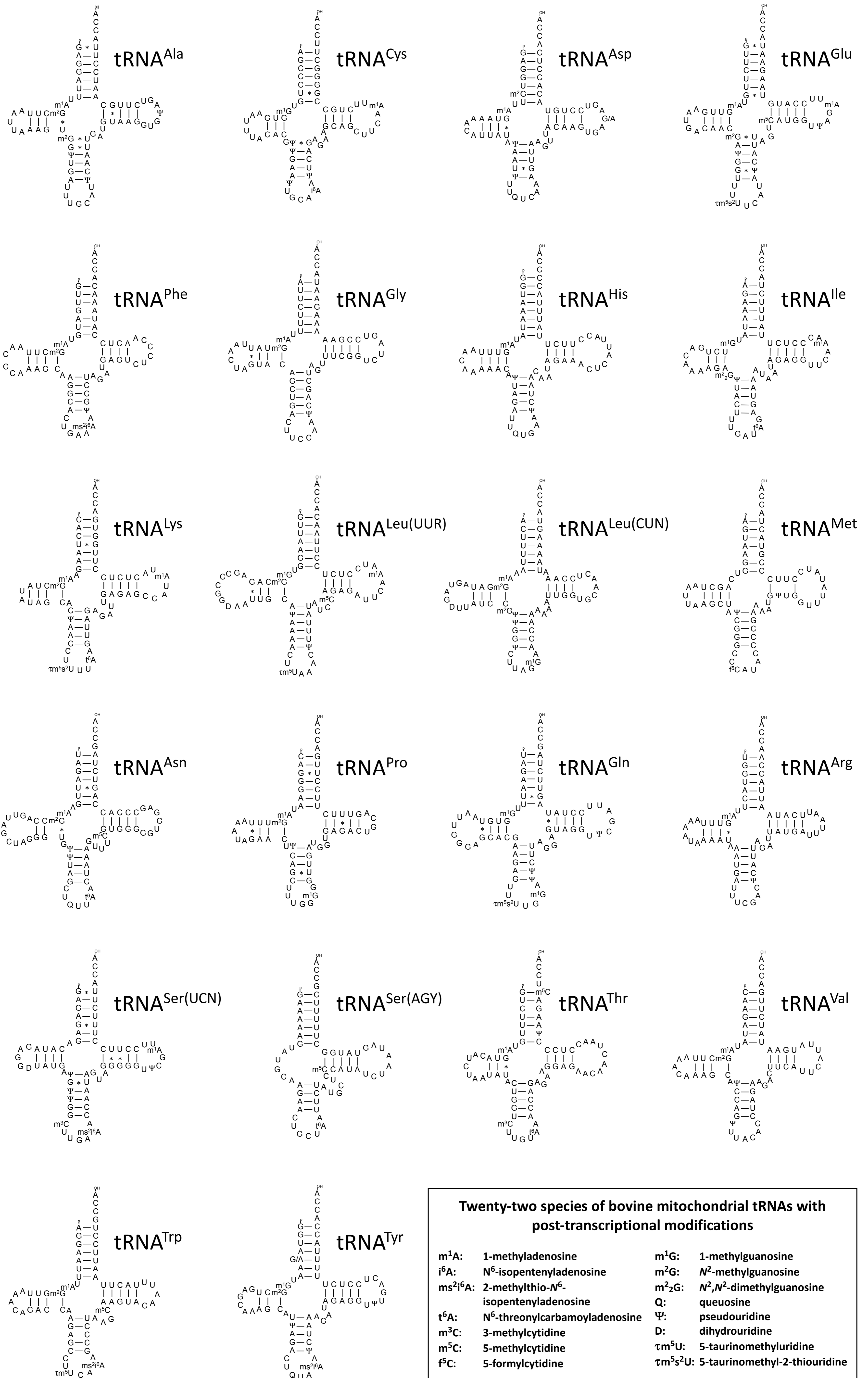


Supplementary Figure 1



Twenty-two species of bovine mitochondrial tRNAs with post-transcriptional modifications

| | | | |
|--------------------------------------|--|--------------------------------------|--|
| m¹A: | 1-methyladenosine | m¹G: | 1-methylguanosine |
| i⁶A: | N⁶-isopentenyladenosine | m²G: | N²-methylguanosine |
| ms²i⁶A: | 2-methylthio-N⁶-isopentenyladenosine | m²G₂: | N²,N²-dimethylguanosine |
| t⁶A: | N⁶-threonylcarbamoyladenosine | Q: | queuosine |
| m³C: | 3-methylcytidine | Ψ: | pseudouridine |
| m⁵C: | 5-methylcytidine | D: | dihydrouridine |
| f⁵C: | 5-formylcytidine | τm⁵U: | 5-taurinomethyluridine |
| | | τm⁵s²U: | 5-taurinomethyl-2-thiouridine |

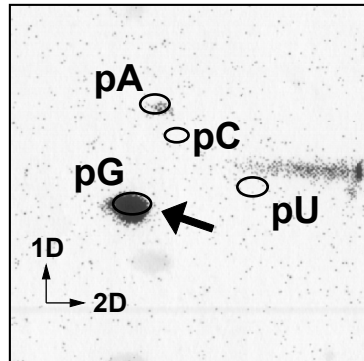
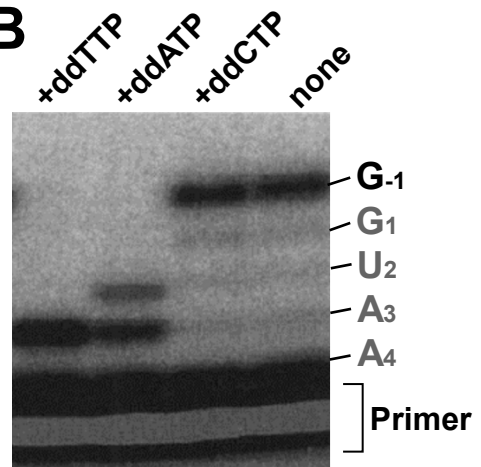
A**B**

Figure S2