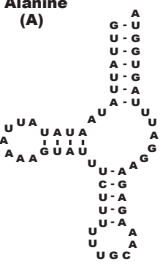
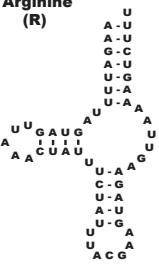


Additional file 2

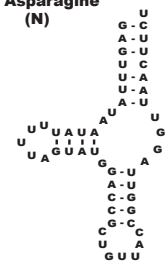
**Alanine
(A)**



**Arginine
(R)**



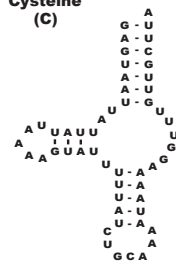
**Asparagine
(N)**



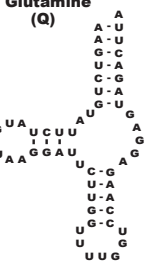
**Aspartate
(D)**



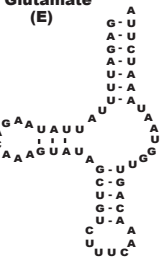
**Cysteine
(C)**



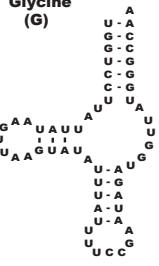
**Glutamine
(Q)**



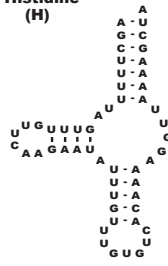
**Glutamate
(E)**



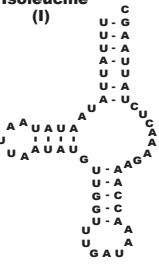
**Glycine
(G)**



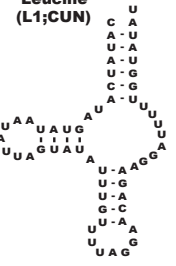
**Histidine
(H)**



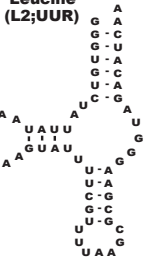
**Isoleucine
(I)**



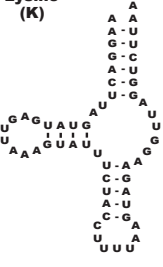
**Leucine
(L1;CUN)**



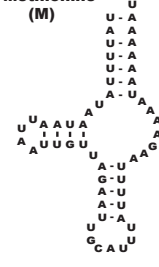
**Leucine
(L2;UUR)**



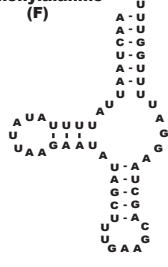
**Lysine
(K)**



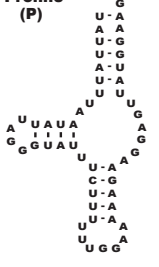
**Methionine
(M)**



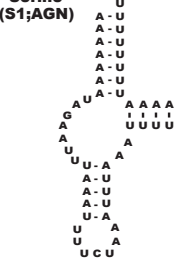
**Phenylalanine
(F)**



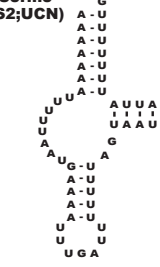
**Proline
(P)**



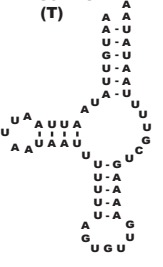
**Serine
(S1;AGN)**



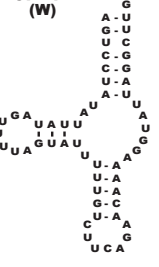
**Serine
(S2;UCN)**



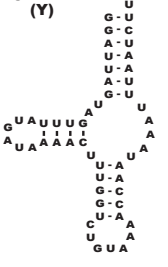
**Threonine
(T)**



**Tryptophan
(W)**



**Tyrosine
(Y)**



**Valine
(V)**

