

Table S4

Results of transition and transversion rates of chloroplast tRNAs.

From\To	A	U	C	G	From\To	A	U	C	G
Alanine					Lysine				
A	-	8.34	8.34	8.33	A	-	3.37	3.37	18.27
U	8.34	-	8.33	8.34	U	3.37	-	18.27	3.37
C	8.34	8.33	-	8.34	C	3.37	18.27	-	3.37
G	8.33	8.34	8.34	-	G	18.27	3.37	3.37	-
Arginine					Methionine				
A	-	5.15	5.15	14.71	A	-	6.89	6.89	11.22
U	5.15	-	14.71	5.15	U	6.89	-	11.22	6.89
C	5.15	14.71	-	5.15	C	6.89	11.22	-	6.89
G	14.71	5.15	5.15	-	G	11.22	6.89	6.89	-
Asparagine					Phenylalanine				
A	-	8.34	8.34	8.33	A	-	8.34	8.34	8.33
U	8.34	-	8.33	8.34	U	8.34	-	8.33	8.34
C	8.34	8.33	-	8.34	C	8.34	8.33	-	8.34
G	8.33	8.34	8.34	-	G	8.33	8.34	8.34	-
Aspartate					Proline				
A	-	8.34	8.34	8.33	A	-	8.34	8.34	8.33
U	8.34	-	8.33	8.34	U	8.34	-	8.33	8.34
C	8.34	8.33	-	8.34	C	8.34	8.33	-	8.34
G	8.33	8.34	8.34	-	G	8.33	8.34	8.34	-
Cysteine					Serine				
A	-	4.99	4.99	15.02	A	-	8.29	8.29	8.42
U	4.99	-	15.02	4.99	U	8.29	-	8.42	8.29
C	4.99	15.02	-	4.99	C	8.29	8.42	-	8.29
G	15.02	4.99	4.99	-	G	8.42	8.29	8.29	-
Glutamine					Threonine				
A	-	9.77	9.77	5.46	A	-	9.02	9.02	6.95
U	9.77	-	5.46	9.77	U	9.02	-	6.95	9.02
C	9.77	5.46	-	9.77	C	9.02	6.95	-	9.02
G	5.46	9.77	9.77	-	G	6.95	9.02	9.02	-
Glutamate					Tryptophan				
A	-	4.51	4.51	15.97	A	-	0.00	0.00	25.00
U	4.51	-	15.97	4.51	U	0.00	-	25.00	0.00
C	4.51	15.97	-	4.51	C	0.00	25.00	-	0.00
G	15.97	4.51	4.51	-	G	25.00	0.00	0.00	-
Glycine					Tyrosine				
A	-	7.89	7.89	9.22	A	-	8.34	8.34	8.33
U	7.89	-	9.22	7.89	U	8.34	-	8.33	8.34
C	7.89	9.22	-	7.89	C	8.34	8.33	-	8.34
G	9.22	7.89	7.89	-	G	8.33	8.34	8.34	-
Histidine					Valine				

A	-	12.50	12.50	0.00	A	-	8.34	8.34	8.33
U	12.50	-	0.00	12.50	U	8.34	-	8.33	8.34
C	12.50	0.00	-	12.50	C	8.34	8.33	-	8.34
G	0.00	12.50	12.50	-	G	8.33	8.34	8.34	-
Isoleucine					Overall				
A	-	8.34	8.34	8.33	A	-	6.59	6.59	11.82
U	8.34	-	8.33	8.34	U	6.59	-	11.82	6.59
C	8.34	8.33	-	8.34	C	6.59	11.82	-	6.59
G	8.33	8.34	8.34	-	G	11.82	6.59	6.59	-
Leucine									
A	-	8.13	8.13	8.74					
U	8.13	-	8.74	8.13					
C	8.13	8.74	-	8.13					
G	8.74	8.13	8.13	-					