

Human V2.0 tRNA List (GtRNAdb and mitotRNAdb)

No.	tRNA NAME	tRNA ID
1	Ala-AGC-1	Homo_sapiens_tRNA-Ala-AGC-1-1/ Homo_sapiens_tRNA-Ala-AGC-2-1~2/ Homo_sapiens_tRNA-Ala-AGC-3-1/ Homo_sapiens_tRNA-Ala-AGC-4-1/ Homo_sapiens_tRNA-Ala-AGC-5-1/ Homo_sapiens_tRNA-Ala-AGC-6-1/ Homo_sapiens_tRNA-Ala-AGC-7-1/ Homo_sapiens_tRNA-Ala-AGC-8-1~2/ Homo_sapiens_tRNA-Ala-AGC-10-1/ Homo_sapiens_tRNA-Ala-AGC-11-1/ Homo_sapiens_tRNA-Ala-AGC-12-1~3/ Homo_sapiens_tRNA-Ala-AGC-13-1~2/ Homo_sapiens_tRNA-Ala-AGC-14-1/ Homo_sapiens_tRNA-Ala-AGC-15-1
2	Ala-AGC-2	Homo_sapiens_tRNA-Ala-AGC-3-1
3	Ala-AGC-3	Homo_sapiens_tRNA-Ala-AGC-9-1~2
4	Ala-AGC-4	Homo_sapiens_tRNA-Ala-AGC-10-1
5	Ala-CGC-1	Homo_sapiens_tRNA-Ala-CGC-1-1/ Homo_sapiens_tRNA-Ala-CGC-2-1/ Homo_sapiens_tRNA-Ala-CGC-3-1
6	Ala-CGC-2	Homo_sapiens_tRNA-Ala-CGC-3-1
7	Ala-CGC-3	Homo_sapiens_tRNA-Ala-CGC-1-1/ Homo_sapiens_tRNA-Ala-CGC-2-1
8	Ala-TGC-1	Homo_sapiens_tRNA-Ala-TGC-1-1/ Homo_sapiens_tRNA-Ala-TGC-2-1
9	Ala-TGC-2	Homo_sapiens_tRNA-Ala-TGC-4-1
10	Ala-TGC-3	Homo_sapiens_tRNA-Ala-TGC-5-1
11	Ala-TGC-4	Homo_sapiens_tRNA-Ala-TGC-6-1
12	Ala-TGC-5	Homo_sapiens_tRNA-Ala-TGC-7-1
13	Arg-ACG-1	Homo_sapiens_tRNA-Arg-ACG-1-1~3/ Homo_sapiens_tRNA-Arg-ACG-2-1~4
14	Arg-ACG-2	Homo_sapiens_tRNA-Arg-ACG-1-1~3
15	Arg-ACG-3	Homo_sapiens_tRNA-Arg-ACG-2-1~4
16	Arg-CCG-1	Homo_sapiens_tRNA-Arg-CCG-1-1~3
17	Arg-CCG-2	Homo_sapiens_tRNA-Arg-CCG-2-1
18	Arg-CCT-1	Homo_sapiens_tRNA-Arg-CCT-1-1/ Homo_sapiens_tRNA-Arg-CCT-2-1/ Homo_sapiens_tRNA-Arg-CCT-3-1/ Homo_sapiens_tRNA-Arg-CCT-4-1/ Homo_sapiens_tRNA-Arg-CCT-5-1
19	Arg-CCT-2	Homo_sapiens_tRNA-Arg-CCT-1-1/ Homo_sapiens_tRNA-Arg-CCT-2-1/ Homo_sapiens_tRNA-Arg-CCT-5-1
20	Arg-CCT-3	Homo_sapiens_tRNA-Arg-CCT-3-1/ Homo_sapiens_tRNA-Arg-CCT-4-1
21	Arg-CCT-4	Homo_sapiens_tRNA-Arg-CCT-5-1
22	Arg-TCG-1	Homo_sapiens_tRNA-Arg-TCG-1-1/ Homo_sapiens_tRNA-Arg-TCG-2-1/ Homo_sapiens_tRNA-Arg-TCG-3-1/ Homo_sapiens_tRNA-Arg-TCG-4-1/ Homo_sapiens_tRNA-Arg-TCG-5-1/ Homo_sapiens_tRNA-Arg-TCG-6-1
23	Arg-TCG-2	Homo_sapiens_tRNA-Arg-TCG-6-1
24	Arg-TCT-1	Homo_sapiens_tRNA-Arg-TCT-1-1/ Homo_sapiens_tRNA-Arg-TCT-2-1/ Homo_sapiens_tRNA-Arg-TCT-3-1~2/ Homo_sapiens_tRNA-Arg-TCT-5-1
25	Arg-TCT-2	Homo_sapiens_tRNA-Arg-TCT-1-1
26	Arg-TCT-3	Homo_sapiens_tRNA-Arg-TCT-4-1
27	Asn-GTT-1	Homo_sapiens_tRNA-Asn-GTT-1-1/ Homo_sapiens_tRNA-Asn-GTT-2-1~6/ Homo_sapiens_tRNA-Asn-GTT-3-1~2/ Homo_sapiens_tRNA-Asn-GTT-4-1/ Homo_sapiens_tRNA-Asn-GTT-5-1/ Homo_sapiens_tRNA-Asn-GTT-6-1/ Homo_sapiens_tRNA-Asn-GTT-7-1/ Homo_sapiens_tRNA-Asn-GTT-8-1/ Homo_sapiens_tRNA-Asn-GTT-9-1~2/ Homo_sapiens_tRNA-Asn-GTT-10-1/ Homo_sapiens_tRNA-Asn-GTT-11-1~2/ Homo_sapiens_tRNA-Asn-GTT-12-1
28	Asn-GTT-2	Homo_sapiens_tRNA-Asn-GTT-3-1~2
29	Asn-GTT-3	Homo_sapiens_tRNA-Asn-GTT-4-1
30	Asn-GTT-4	Homo_sapiens_tRNA-Asn-GTT-7-1

31	Asn-GTT-5	Homo_sapiens_tRNA-Asn-GTT-9-1~2
32	Asn-GTT-6	Homo_sapiens_tRNA-Asn-GTT-10-1
33	Asn-GTT-7	Homo_sapiens_tRNA-Asn-GTT-11-1~2
34	Asp-GTC-1	Homo_sapiens_tRNA-Asp-GTC-1-1/ Homo_sapiens_tRNA-Asp-GTC-2-1~11/ Homo_sapiens_tRNA-Asp-GTC-3-1
35	Asp-GTC-2	Homo_sapiens_tRNA-Asp-GTC-1-1
36	Asp-GTC-3	Homo_sapiens_tRNA-Asp-GTC-3-1
37	Cys-GCA-1	Homo_sapiens_tRNA-Cys-GCA-1-1/ Homo_sapiens_tRNA-Cys-GCA-2-1~4/ Homo_sapiens_tRNA-Cys-GCA-3-1/ Homo_sapiens_tRNA-Cys-GCA-4-1/ Homo_sapiens_tRNA-Cys-GCA-5-1/ Homo_sapiens_tRNA-Cys-GCA-6-1/ Homo_sapiens_tRNA-Cys-GCA-7-1/ Homo_sapiens_tRNA-Cys-GCA-8-1/ Homo_sapiens_tRNA-Cys-GCA-9-1~4/ Homo_sapiens_tRNA-Cys-GCA-10-1/ Homo_sapiens_tRNA-Cys-GCA-11-1/ Homo_sapiens_tRNA-Cys-GCA-13-1/ Homo_sapiens_tRNA-Cys-GCA-14-1/ Homo_sapiens_tRNA-Cys-GCA-15-1/ Homo_sapiens_tRNA-Cys-GCA-16-1/ Homo_sapiens_tRNA-Cys-GCA-17-1/ Homo_sapiens_tRNA-Cys-GCA-18-1/ Homo_sapiens_tRNA-Cys-GCA-19-1/ Homo_sapiens_tRNA-Cys-GCA-20-1/ Homo_sapiens_tRNA-Cys-GCA-21-1/ Homo_sapiens_tRNA-Cys-GCA-22-1/ Homo_sapiens_tRNA-Cys-GCA-23-1
38	Cys-GCA-2	Homo_sapiens_tRNA-Cys-GCA-3-1/ Homo_sapiens_tRNA-Cys-GCA-16-1
39	Cys-GCA-3	Homo_sapiens_tRNA-Cys-GCA-5-1/ Homo_sapiens_tRNA-Cys-GCA-7-1
40	Cys-GCA-4	Homo_sapiens_tRNA-Cys-GCA-12-1
41	Cys-GCA-5	Homo_sapiens_tRNA-Cys-GCA-13-1/ Homo_sapiens_tRNA-Cys-GCA-20-1/ Homo_sapiens_tRNA-Cys-GCA-22-1
42	Cys-GCA-6	Homo_sapiens_tRNA-Cys-GCA-15-1
43	Cys-GCA-7	Homo_sapiens_tRNA-Cys-GCA-16-1
44	Cys-GCA-8	Homo_sapiens_tRNA-Cys-GCA-19-1
45	Cys-GCA-9	Homo_sapiens_tRNA-Cys-GCA-21-1/ Homo_sapiens_tRNA-Cys-GCA-23-1
46	Gln-CTG-1	Homo_sapiens_tRNA-Gln-CTG-1-1~5/ Homo_sapiens_tRNA-Gln-CTG-2-1 / Homo_sapiens_tRNA-Gln-CTG-3-1/ Homo_sapiens_tRNA-Gln-CTG-4-1~2/ Homo_sapiens_tRNA-Gln-CTG-5-1/ Homo_sapiens_tRNA-Gln-CTG-6-1/ Homo_sapiens_tRNA-Gln-CTG-7-1
47	Gln-CTG-2	Homo_sapiens_tRNA-Gln-CTG-1-1~5/ Homo_sapiens_tRNA-Gln-CTG-2-1 / Homo_sapiens_tRNA-Gln-CTG-3-1/ Homo_sapiens_tRNA-Gln-CTG-4-1~2/ Homo_sapiens_tRNA-Gln-CTG-6-1
48	Gln-CTG-3	Homo_sapiens_tRNA-Gln-CTG-3-1~2
49	Gln-CTG-4	Homo_sapiens_tRNA-Gln-CTG-4-1~2/ Homo_sapiens_tRNA-Gln-CTG-7-1
50	Gln-CTG-5	Homo_sapiens_tRNA-Gln-CTG-5-1
51	Gln-CTG-6	Homo_sapiens_tRNA-Gln-CTG-6-1
52	Gln-CTG-7	Homo_sapiens_tRNA-Gln-CTG-7-1
53	Gln-TTG-1	Homo_sapiens_tRNA-Gln-TTG-1-1/ Homo_sapiens_tRNA-Gln-TTG-2-1/ Homo_sapiens_tRNA-Gln-TTG-3-1~3/ Homo_sapiens_tRNA-Gln-TTG-4-1
54	Gln-TTG-2	Homo_sapiens_tRNA-Gln-TTG-1-1/ Homo_sapiens_tRNA-Gln-TTG-3-1~3
55	Gln-TTG-3	Homo_sapiens_tRNA-Gln-TTG-2-1
56	Gln-TTG-4	Homo_sapiens_tRNA-Gln-TTG-4-1
57	Glu-CTC	Homo_sapiens_tRNA-Glu-CTC-1-1~7/ Homo_sapiens_tRNA-Glu-CTC-2-1
58	Glu-TTC-1	Homo_sapiens_tRNA-Glu-TTC-1-1~2/ Homo_sapiens_tRNA-Glu-TTC-2-1~2
59	Glu-TTC-2	Homo_sapiens_tRNA-Glu-TTC-1-1~2
60	Glu-TTC-3	Homo_sapiens_tRNA-Glu-TTC-2-1~2
61	Gly-CCC-1	Homo_sapiens_tRNA-Gly-CCC-1-1~2
62	Gly-CCC-2	Homo_sapiens_tRNA-Gly-CCC-2-1~2
63	Gly-CCC-3	Homo_sapiens_tRNA-Gly-CCC-3-1

64	Gly-GCC-1	Homo_sapiens_tRNA-Gly-GCC-1-1~5/ Homo_sapiens_tRNA-Gly-GCC-2-1~6/ Homo_sapiens_tRNA-Gly-GCC-3-1/ Homo_sapiens_tRNA-Gly-GCC-4-1/ Homo_sapiens_tRNA-Gly-GCC-5-1
65	Gly-GCC-2	Homo_sapiens_tRNA-Gly-GCC-3-1
66	Gly-GCC-3	Homo_sapiens_tRNA-Gly-GCC-1-1~5/ Homo_sapiens_tRNA-Gly-GCC-2-1~6/ Homo_sapiens_tRNA-Gly-GCC-3-1
67	Gly-GCC-4	Homo_sapiens_tRNA-Gly-GCC-5-1
68	Gly-TCC-1	Homo_sapiens_tRNA-Gly-TCC-1-1/ Homo_sapiens_tRNA-Gly-TCC-2-1~6/ Homo_sapiens_tRNA-Gly-TCC-3-1/ Homo_sapiens_tRNA-Gly-TCC-4-1
69	Gly-TCC-2	Homo_sapiens_tRNA-Gly-TCC-1-1
70	Gly-TCC-3	Homo_sapiens_tRNA-Gly-TCC-2-1~6/ Homo_sapiens_tRNA-Gly-TCC-4-1
71	Gly-TCC-4	Homo_sapiens_tRNA-Gly-TCC-3-1
72	Gly-TCC-5	Homo_sapiens_tRNA-Gly-TCC-4-1
73	His-GTG-1	Homo_sapiens_tRNA-His-GTG-1-1~9/ Homo_sapiens_tRNA-His-GTG-2-1
74	His-GTG-2	Homo_sapiens_tRNA-His-GTG-1-1~9
75	His-GTG-3	Homo_sapiens_tRNA-His-GTG-2-1
76	Ile-AAT-1	Homo_sapiens_tRNA-Ile-AAT-1-1/ Homo_sapiens_tRNA-Ile-AAT-2-1/ Homo_sapiens_tRNA-Ile-AAT-3-1/ Homo_sapiens_tRNA-Ile-AAT-5-1~5/ Homo_sapiens_tRNA-Ile-AAT-6-1/ Homo_sapiens_tRNA-Ile-AAT-7-1~2/ Homo_sapiens_tRNA-Ile-AAT-8-1
77	Ile-AAT-2	Homo_sapiens_tRNA-Ile-AAT-1-1
78	Ile-AAT-3	Homo_sapiens_tRNA-Ile-AAT-6-1
79	Ile-AAT-4	Homo_sapiens_tRNA-Ile-AAT-7-1~2
80	Ile-AAT-5	Homo_sapiens_tRNA-Ile-AAT-8-1
81	Ile-AAT-6	Homo_sapiens_tRNA-Ile-AAT-9-1
82	Ile-GAT	Homo_sapiens_tRNA-Ile-GAT-1-1~3
83	Ile-TAT	Homo_sapiens_tRNA-Ile-TAT-1-1/ Homo_sapiens_tRNA-Ile-TAT-2-1~3/ Homo_sapiens_tRNA-Ile-TAT-3-1
84	Leu-AAG-1	Homo_sapiens_tRNA-Leu-AAG-1-1~3/ Homo_sapiens_tRNA-Leu-AAG-2-1~4/ Homo_sapiens_tRNA-Leu-AAG-3-1/ Homo_sapiens_tRNA-Leu-AAG-4-1
85	Leu-AAG-2	Homo_sapiens_tRNA-Leu-AAG-4-1
86	Leu-CAA-1	Homo_sapiens_tRNA-Leu-CAA-1-1~2/ Homo_sapiens_tRNA-Leu-CAA-2-1/ Homo_sapiens_tRNA-Leu-CAA-3-1/ Homo_sapiens_tRNA-Leu-CAA-4-1
87	Leu-CAA-2	Homo_sapiens_tRNA-Leu-CAA-2-1
88	Leu-CAA-3	Homo_sapiens_tRNA-Leu-CAA-3-1
89	Leu-CAA-4	Homo_sapiens_tRNA-Leu-CAA-4-1
90	Leu-CAA-5	Homo_sapiens_tRNA-Leu-CAA-5-1
91	Leu-CAA-6	Homo_sapiens_tRNA-Leu-CAA-6-1
92	Leu-CAG	Homo_sapiens_tRNA-Leu-CAG-1-1~7/ Homo_sapiens_tRNA-Leu-CAG-2-1~2
93	Leu-TAA-1	Homo_sapiens_tRNA-Leu-TAA-1-1/ Homo_sapiens_tRNA-Leu-TAA-2-1/ Homo_sapiens_tRNA-Leu-TAA-3-1/ Homo_sapiens_tRNA-Leu-TAA-4-1
94	Leu-TAA-2	Homo_sapiens_tRNA-Leu-TAA-1-1
95	Leu-TAA-3	Homo_sapiens_tRNA-Leu-TAA-2-1
96	Leu-TAA-4	Homo_sapiens_tRNA-Leu-TAA-3-1
97	Leu-TAA-5	Homo_sapiens_tRNA-Leu-TAA-4-1

98	Leu-TAG-1	Homo_sapiens_tRNA-Leu-TAG-1-1/ Homo_sapiens_tRNA-LeT-TAG-2-1/ Homo_sapiens_tRNA-LeT-TAG-3-1
99	Leu-TAG-2	Homo_sapiens_tRNA-Leu-TAG-2-1
100	Leu-TAG-3	Homo_sapiens_tRNA-Leu-TAG-3-1
101	Lys-CTT-1	Homo_sapiens_tRNA-Lys-CTT-1-1~2/ Homo_sapiens_tRNA-Lys-CTT-2-1~5/ Homo_sapiens_tRNA-Lys-CTT-3-1/ Homo_sapiens_tRNA-Lys-CTT-4-1/ Homo_sapiens_tRNA-Lys-CTT-5-1/ Homo_sapiens_tRNA-Lys-CTT-7-1/ Homo_sapiens_tRNA-Lys-CTT-10-1/ Homo_sapiens_tRNA-Lys-CTT-11-1
102	Lys-CTT-2	Homo_sapiens_tRNA-Lys-CTT-1-1~2
103	Lys-CTT-3	Homo_sapiens_tRNA-Lys-CTT-3-1
104	Lys-CTT-4	Homo_sapiens_tRNA-Lys-CTT-7-1
105	Lys-CTT-5	Homo_sapiens_tRNA-Lys-CTT-8-1
106	Lys-CTT-6	Homo_sapiens_tRNA-Lys-CTT-9-1
107	Lys-CTT-7	Homo_sapiens_tRNA-Lys-CTT-10-1
108	Lys-CTT-8	Homo_sapiens_tRNA-Lys-CTT-11-1
109	Lys-TTT-1	Homo_sapiens_tRNA-Lys-TTT-1-1/ Homo_sapiens_tRNA-Lys-TTT-2-1/ Homo_sapiens_tRNA-Lys-TTT-3-1~5/ Homo_sapiens_tRNA-Lys-TTT-4-1/ Homo_sapiens_tRNA-Lys-TTT-5-1/ Homo_sapiens_tRNA-Lys-TTT-6-1/ Homo_sapiens_tRNA-Lys-TTT-7-1
110	Lys-TTT-2	Homo_sapiens_tRNA-Lys-TTT-7-1
111	Lys-TTT-3	Homo_sapiens_tRNA-Lys-TTT-11-1
112	Met-CAT-1	Homo_sapiens_tRNA-Met-CAT-1-1/ Homo_sapiens_tRNA-Met-CAT-2-1/ Homo_sapiens_tRNA-Met-CAT-3-1~2/ Homo_sapiens_tRNA-Met-CAT-4-1~3 / Homo_sapiens_tRNA-Met-CAT-5-1/ Homo_sapiens_tRNA-Met-CAT-6-1/ Homo_sapiens_tRNA-Met-CAT-7-1
113	Met-CAT-2	Homo_sapiens_tRNA-Met-CAT-1-1
114	Met-CAT-3	Homo_sapiens_tRNA-Met-CAT-2-1/ Homo_sapiens_tRNA-Met-CAT-3-1~2/ Homo_sapiens_tRNA-Met-CAT-4-1~3 / Homo_sapiens_tRNA-Met-CAT-5-1/ Homo_sapiens_tRNA-Met-CAT-6-1/ Homo_sapiens_tRNA-Met-CAT-7-1
115	Met-CAT-4	Homo_sapiens_tRNA-Met-CAT-4-1~3
116	iMet-CAT	Homo_sapiens_tRNA-iMet-CAT-1-1~8/ Homo_sapiens_tRNA-iMet-CAT-2-1
117	Phe-GAA-1	Homo_sapiens_tRNA-Phe-GAA-1-1~6/ Homo_sapiens_tRNA-Phe-GAA-2-1/ Homo_sapiens_tRNA-Phe-GAA-3-1/ Homo_sapiens_tRNA-Phe-GAA-4-1/ Homo_sapiens_tRNA-Phe-GAA-6-1
118	Phe-GAA-2	Homo_sapiens_tRNA-Phe-GAA-4-1
119	Phe-GAA-3	Homo_sapiens_tRNA-Phe-GAA-6-1
120	Pro-AGG-1	Homo_sapiens_tRNA-Pro-AGG-1-1/ Homo_sapiens_tRNA-Pro-AGG-2-1~8
121	Pro-AGG-2	Homo_sapiens_tRNA-Pro-AGG-1-1
122	Pro-AGG-3	Homo_sapiens_tRNA-Pro-AGG-2-1
123	Pro-CGG-1	Homo_sapiens_tRNA-Pro-CGG-1-1~3/ Homo_sapiens_tRNA-Pro-CGG-2-1
124	Pro-CGG-2	Homo_sapiens_tRNA-Pro-CGG-1-1~3
125	Pro-CGG-3	Homo_sapiens_tRNA-Pro-CGG-2-1
126	Pro-TGG-1	Homo_sapiens_tRNA-Pro-TGG-1-1/ Homo_sapiens_tRNA-Pro-TGG-2-1/ Homo_sapiens_tRNA-Pro-TGG-3-1~5
127	Pro-TGG-2	Homo_sapiens_tRNA-Pro-TGG-1-1/ Homo_sapiens_tRNA-Pro-TGG-3-1~5
128	Pro-TGG-3	Homo_sapiens_tRNA-Pro-TGG-2-1
129	Sec-TCA-1	Homo_sapiens_tRNA-SeC-TCA-1-1/ Homo_sapiens_tRNA-SeC-TCA-2-1
130	Sec-TCA-2	Homo_sapiens_tRNA-SeC-TCA-1-1
131	Sec-TCA-3	Homo_sapiens_tRNA-SeC-TCA-2-1
132	Ser-AGA-1	Homo_sapiens_tRNA-Ser-AGA-1-1/ Homo_sapiens_tRNA-Ser-AGA-2-1~6/ Homo_sapiens_tRNA-Ser-AGA-3-1/ Homo_sapiens_tRNA-Ser-AGA-4-1

133	Ser-AGA-2	Homo_sapiens_tRNA-Ser-AGA-3-1
134	Ser-CGA-1	Homo_sapiens_tRNA-Ser-CGA-1-1/ Homo_sapiens_tRNA-Ser-CGA-2-1/ Homo_sapiens_tRNA-Ser-CGA-3-1/ Homo_sapiens_tRNA-Ser-CGA-4-1
135	Ser-CGA-2	Homo_sapiens_tRNA-Ser-CGA-3-1
136	Ser-GCT-1	Homo_sapiens_tRNA-Ser-GCT-1-1/ Homo_sapiens_tRNA-Ser-GCT-2-1/ Homo_sapiens_tRNA-Ser-GCT-3-1/ Homo_sapiens_tRNA-Ser-GCT-4-1~3/ Homo_sapiens_tRNA-Ser-GCT-5-1/ Homo_sapiens_tRNA-Ser-GCT-6-1
137	Ser-GCT-2	Homo_sapiens_tRNA-Ser-GCT-3-1
138	Ser-GCT-3	Homo_sapiens_tRNA-Ser-GCT-5-1
139	Ser-TGA-1	Homo_sapiens_tRNA-Ser-TGA-1-1
140	Ser-TGA-2	Homo_sapiens_tRNA-Ser-TGA-2-1/ Homo_sapiens_tRNA-Ser-TGA-3-1/ Homo_sapiens_tRNA-Ser-TGA-4-1
141	Thr-AGT-1	Homo_sapiens_tRNA-Thr-AGT-1-1~3/ Homo_sapiens_tRNA-Thr-AGT-2-1~2/ Homo_sapiens_tRNA-Thr-AGT-3-1/ Homo_sapiens_tRNA-Thr-AGT-4-1/ Homo_sapiens_tRNA-Thr-AGT-5-1/ Homo_sapiens_tRNA-Thr-AGT-6-1
142	Thr-AGT-2	Homo_sapiens_tRNA-Thr-AGT-6-1
143	Thr-CGT-1	Homo_sapiens_tRNA-Thr-CGT-1-1/ Homo_sapiens_tRNA-Thr-CGT-3-1
144	Thr-CGT-2	Homo_sapiens_tRNA-Thr-CGT-2-1/ Homo_sapiens_tRNA-Thr-CGT-4-1
145	Thr-CGT-3	Homo_sapiens_tRNA-Thr-CGT-2-1
146	Thr-CGT-4	Homo_sapiens_tRNA-Thr-CGT-4-1
147	Thr-CGT-5	Homo_sapiens_tRNA-Thr-CGT-5-1
148	Thr-TGT	Homo_sapiens_tRNA-Thr-TGT-2-1/ Homo_sapiens_tRNA-Thr-TGT-3-1/ Homo_sapiens_tRNA-Thr-TGT-4-1/ Homo_sapiens_tRNA-Thr-TGT-5-1/ Homo_sapiens_tRNA-Thr-TGT-6-1
149	Trp-CCA-1	Homo_sapiens_tRNA-Trp-CCA-1-1/ Homo_sapiens_tRNA-Trp-CCA-2-1/ Homo_sapiens_tRNA-Trp-CCA-3-1~3/ Homo_sapiens_tRNA-Trp-CCA-4-1/ Homo_sapiens_tRNA-Trp-CCA-5-1
150	Trp-CCA-2	Homo_sapiens_tRNA-Trp-CCA-4-1
151	Trp-CCA-3	Homo_sapiens_tRNA-Trp-CCA-5-1
152	Tyr-ATA	Homo_sapiens_tRNA-Tyr-ATA-1-1
153	Tyr-GTA	Homo_sapiens_tRNA-Tyr-GTA-1-1/ Homo_sapiens_tRNA-Tyr-GTA-2-1/ Homo_sapiens_tRNA-Tyr-GTA-3-1/ Homo_sapiens_tRNA-Tyr-GTA-4-1/ Homo_sapiens_tRNA-Tyr-GTA-5-1~5/ Homo_sapiens_tRNA-Tyr-GTA-6-1/ Homo_sapiens_tRNA-Tyr-GTA-7-1/ Homo_sapiens_tRNA-Tyr-GTA-8-1/ Homo_sapiens_tRNA-Tyr-GTA-9-1
154	Val-AAC-1	Homo_sapiens_tRNA-Val-AAC-1-1~5/ Homo_sapiens_tRNA-Val-AAC-2-1/ Homo_sapiens_tRNA-Val-AAC-3-1/ Homo_sapiens_tRNA-Val-AAC-4-1/ Homo_sapiens_tRNA-Val-AAC-5-1
155	Val-AAC-2	Homo_sapiens_tRNA-Val-AAC-2-1
156	Val-AAC-3	Homo_sapiens_tRNA-Val-AAC-3-1
157	Val-AAC-4	Homo_sapiens_tRNA-Val-AAC-4-1
158	Val-AAC-5	Homo_sapiens_tRNA-Val-AAC-6-1
159	Val-CAC-1	Homo_sapiens_tRNA-Val-CAC-1-1~6/ Homo_sapiens_tRNA-Val-CAC-2-1/ Homo_sapiens_tRNA-Val-CAC-3-1/ Homo_sapiens_tRNA-Val-CAC-4-1/ Homo_sapiens_tRNA-Val-CAC-5-1/ Homo_sapiens_tRNA-Val-CAC-6-1
160	Val-CAC-2	Homo_sapiens_tRNA-Val-CAC-5-1
161	Val-TAC-1	Homo_sapiens_tRNA-Val-TAC-1-1~2/ Homo_sapiens_tRNA-Val-TAC-2-1/ Homo_sapiens_tRNA-Val-TAC-3-1/ Homo_sapiens_tRNA-Val-TAC-4-1
162	Val-TAC-2	Homo_sapiens_tRNA-Val-TAC-3-1
163	Val-TAC-3	Homo_sapiens_tRNA-Val-TAC-4-1
164	mt-Ala-TGC	mtbdb00000534
165	mt-Arg-TCG	mtbdb00000542
166	mt-Asn-GTT	mtbdb00000535

167	mt-Asp-GTC	mtdbD00000539
168	mt-Cys-GCA	mtdbD00000536
169	mt-Gln-TTG	mtdbD00000531
170	mt-Glu-TTC	mtdbD00000546
171	mt-Gly-TCC	mtdbD00000541
172	mt-His-GTG	mtdbD00000543
173	mt-Ile-GAT	mtdbD00000530
174	mt-Leu-TAA	mtdbD00000529
175	mt-Leu-TAG	mtdbD00000545
176	mt-Lys-TTT	mtdbD00000540
177	mt-Met-CAT	mtdbD00000532
178	mt-Phe-GAA	mtdbD00000527
179	mt-Pro-TGG	mtdbD00000548
180	mt-Ser-GCT	mtdbD00000544
181	mt-Ser-TGA	mtdbD00000538
182	mt-Thr-TGT	mtdbD00000547
183	mt-Trp-TCA	mtdbD00000533
184	mt-Tyr-GTA	mtdbD00000537
185	mt-Val-TAC	mtdbD00000528