

### Mouse tRNA List (GtRNAdb and mitotRNAdb)

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

32	Asn-GTT-3	Mus_musculus_tRNA-Asn-GTT-5-1
33	Asp-GTC-1	Mus_musculus_tRNA-Asp-GTC-1-1~13/ Mus_musculus_tRNA-Asp-GTC-2-1/ Mus_musculus_tRNA-Asp-GTC-3-1/ Mus_musculus_tRNA-Asp-GTC-4-1
34	Asp-GTC-2	Mus_musculus_tRNA-Asp-GTC-4-1
35	Cys-ACA	Mus_musculus_tRNA-Cys-ACA-1-1
36	Cys-GCA-1	Mus_musculus_tRNA-Cys-GCA-1-1~2/ Mus_musculus_tRNA-Cys-GCA-2-1/ Mus_musculus_tRNA-Cys-GCA-3-1/ Mus_musculus_tRNA-Cys-GCA-4-1~29/ Mus_musculus_tRNA-Cys-GCA-5-1/ Mus_musculus_tRNA-Cys-GCA-6-1/ Mus_musculus_tRNA-Cys-GCA-7-1/ Mus_musculus_tRNA-Cys-GCA-8-1/ Mus_musculus_tRNA-Cys-GCA-9-1/ Mus_musculus_tRNA-Cys-GCA-10-1/ Mus_musculus_tRNA-Cys-GCA-12-1/ Mus_musculus_tRNA-Cys-GCA-13-1/ Mus_musculus_tRNA-Cys-GCA-14-1/ Mus_musculus_tRNA-Cys-GCA-15-1/ Mus_musculus_tRNA-Cys-GCA-16-1/ Mus_musculus_tRNA-Cys-GCA-17-1/ Mus_musculus_tRNA-Cys-GCA-19-1/ Mus_musculus_tRNA-Cys-GCA-20-1/ Mus_musculus_tRNA-Cys-GCA-21-1/ Mus_musculus_tRNA-Cys-GCA-22-1/ Mus_musculus_tRNA-Cys-GCA-23-1/ Mus_musculus_tRNA-Cys-GCA-24-1/ Mus_musculus_tRNA-Cys-GCA-26-1/ Mus_musculus_tRNA-Cys-GCA-27-1
37	Cys-GCA-2	Mus_musculus_tRNA-Cys-GCA-9-1/ Mus_musculus_tRNA-Cys-GCA-19-1
38	Cys-GCA-3	Mus_musculus_tRNA-Cys-GCA-11-1
39	Cys-GCA-4	Mus_musculus_tRNA-Cys-GCA-12-1
40	Cys-GCA-5	Mus_musculus_tRNA-Cys-GCA-22-1
41	Cys-GCA-6	Mus_musculus_tRNA-Cys-GCA-24-1
42	Cys-GCA-7	Mus_musculus_tRNA-Cys-GCA-28-1
43	Gln-CTG-1	Mus_musculus_tRNA-Gln-CTG-1-1/ Mus_musculus_tRNA-Gln-CTG-2-1~4/ Mus_musculus_tRNA-Gln-CTG-3-1~3/ Mus_musculus_tRNA-Gln-CTG-4-1/ Mus_musculus_tRNA-Gln-CTG-5-1/ Mus_musculus_tRNA-Gln-CTG-6-1/ Mus_musculus_tRNA-Gln-CTG-7-1
44	Gln-CTG-2	Mus_musculus_tRNA-Gln-CTG-4-1
45	Gln-CTG-3	Mus_musculus_tRNA-Gln-CTG-5-1
46	Gln-CTG-4	Mus_musculus_tRNA-Gln-CTG-7-1
47	Gln-TTG-1	Mus_musculus_tRNA-Gln-TTG-1-1/ Mus_musculus_tRNA-Gln-TTG-2-1/ Mus_musculus_tRNA-Gln-TTG-3-1~2/ Mus_musculus_tRNA-Gln-TTG-5-1/ Mus_musculus_tRNA-Gln-TTG-6-1
48	Gln-TTG-2	Mus_musculus_tRNA-Gln-TTG-2-1
49	Gln-TTG-3	Mus_musculus_tRNA-Gln-TTG-4-1
50	Glu-CTC-1	Mus_musculus_tRNA-Glu-CTC-1-1~9/ Mus_musculus_tRNA-Glu-CTC-2-1/ Mus_musculus_tRNA-Glu-CTC-6-1
51	Glu-CTC-2	Mus_musculus_tRNA-Glu-CTC-2-1
52	Glu-CTC-3	Mus_musculus_tRNA-Glu-CTC-3-1
53	Glu-CTC-4	Mus_musculus_tRNA-Glu-CTC-4-1
54	Glu-CTC-5	Mus_musculus_tRNA-Glu-CTC-5-1
55	Glu-TTC-1	Mus_musculus_tRNA-Glu-TTC-1-1~4/ Mus_musculus_tRNA-Glu-TTC-2-1~2
56	Glu-TTC-2	Mus_musculus_tRNA-Glu-TTC-3-1
57	Gly-ACC-1	Mus_musculus_tRNA-Gly-ACC-1-1
58	Gly-ACC-2	Mus_musculus_tRNA-Gly-ACC-2-1
59	Gly-CCC-1	Mus_musculus_tRNA-Gly-CCC-2-1~2/ Mus_musculus_tRNA-Gly-CCC-3-1/ Mus_musculus_tRNA-Gly-CCC-4-1
60	Gly-CCC-2	Mus_musculus_tRNA-Gly-CCC-1~2
61	Gly-CCC-3	Mus_musculus_tRNA-Gly-CCC-2-1~2/ Mus_musculus_tRNA-Gly-CCC-3-1
62	Gly-CCC-4	Mus_musculus_tRNA-Gly-CCC-4-1
63	Gly-CCC-5	Mus_musculus_tRNA-Gly-CCC-5-1

64	Gly-GCC-1	Mus_musculus_tRNA-Gly-GCC-1-1~3/ Mus_musculus_tRNA-Gly-GCC-2-1~8/ Mus_musculus_tRNA-Gly-GCC-3-1/ Mus_musculus_tRNA-Gly-GCC-4-1Mus_musculus_tRNA-Gly-GCC-5-1/ Mus_musculus_tRNA-Gly-GCC-6-1
65	Gly-GCC-2	Mus_musculus_tRNA-Gly-GCC-1-1~3/ Mus_musculus_tRNA-Gly-GCC-2-1~8
66	Gly-GCC-3	Mus_musculus_tRNA-Gly-GCC-6-1
67	Gly-TCC-1	Mus_musculus_tRNA-Gly-TCC-1-1~7/ Mus_musculus_tRNA-Gly-TCC-2-1
68	Gly-TCC-2	Mus_musculus_tRNA-Gly-TCC-1-1~7
69	Gly-TCC-3	Mus_musculus_tRNA-Gly-TCC-2-1
70	His-ATG	Mus_musculus_tRNA-His-ATG-1-1
71	His-GTG-1	Mus_musculus_tRNA-His-GTG-1-1/ Mus_musculus_tRNA-His-GTG-2-1~8/ Mus_musculus_tRNA-His-GTG-3-1
72	His-GTG-2	Mus_musculus_tRNA-His-GTG-1-1
73	His-GTG-3	Mus_musculus_tRNA-His-GTG-2-1~8/ Mus_musculus_tRNA-His-GTG-3-1
74	Ile-AAT-1	Mus_musculus_tRNA-Ile-AAT-1-1~9/ Mus_musculus_tRNA-Ile-AAT-2-1/ Mus_musculus_tRNA-Ile-AAT-3-1/ Mus_musculus_tRNA-Ile-AAT-4-1/ Mus_musculus_tRNA-Ile-AAT-5-1
75	Ile-AAT-2	Mus_musculus_tRNA-Ile-AAT-5-1
76	Ile-GAT	Mus_musculus_tRNA-Ile-GAT-1-1
77	Ile-TAT-1	Mus_musculus_tRNA-Ile-TAT-1-1/ Mus_musculus_tRNA-Ile-TAT-2-2
78	Ile-TAT-2	Mus_musculus_tRNA-Ile-TAT-1-1
79	Ile-TAT-3	Mus_musculus_tRNA-Ile-TAT-2-2
80	Ile-TAT-4	Mus_musculus_tRNA-Ile-TAT-3-1
81	iMet-CAT-1	Mus_musculus_tRNA-iMet-CAT-1-1~7/ Mus_musculus_tRNA-iMet-CAT-2-1/ Mus_musculus_tRNA-iMet-CAT-3-1/ Mus_musculus_tRNA-iMet-CAT-4-1
82	iMet-CAT-2	Mus_musculus_tRNA-iMet-CAT-3-1
83	iMet-CAT-3	Mus_musculus_tRNA-iMet-CAT-4-1
84	Leu-AAG	Mus_musculus_tRNA-Leu-AAG-1-1~3/ Mus_musculus_tRNA-Leu-AAG-2-1/ Mus_musculus_tRNA-Leu-AAG-3-1
85	Leu-CAA-1	Mus_musculus_tRNA-Leu-CAA-1-1/ Mus_musculus_tRNA-Leu-CAA-2-1/ Mus_musculus_tRNA-Leu-CAA-3-1/ Mus_musculus_tRNA-Leu-CAA-4-1
86	Leu-CAA-2	Mus_musculus_tRNA-Leu-CAA-1-1
87	Leu-CAA-3	Mus_musculus_tRNA-Leu-CAA-2-1
88	Leu-CAA-4	Mus_musculus_tRNA-Leu-CAA-3-1
89	Leu-CAA-5	Mus_musculus_tRNA-Leu-CAA-4-1
90	Leu-CAG	Mus_musculus_tRNA-Leu-CAG-1-1~5/ Mus_musculus_tRNA-Leu-CAG-2-1~3/ Mus_musculus_tRNA-Leu-CAG-3-1/ Mus_musculus_tRNA-Leu-CAG-4-1
91	Leu-TAA-1	Mus_musculus_tRNA-Leu-TAA-1-1
92	Leu-TAA-2	Mus_musculus_tRNA-Leu-TAA-4-1
93	Leu-TAG-1	Mus_musculus_tRNA-Leu-TAG-1-1/ Mus_musculus_tRNA-Leu-TAG-2-1/ Mus_musculus_tRNA-Leu-TAG-3-1
94	Leu-TAG-2	Mus_musculus_tRNA-Leu-TAG-1-1/ Mus_musculus_tRNA-Leu-TAG-2-1
95	Leu-TAG-3	Mus_musculus_tRNA-Leu-TAG-3-1
96	Lys-CTT-1	Mus_musculus_tRNA-Lys-CTT-1-1/ Mus_musculus_tRNA-Lys-CTT-2-1~2/ Mus_musculus_tRNA-Lys-CTT-3-1~7/ Mus_musculus_tRNA-Lys-CTT-4-1/ Mus_musculus_tRNA-Lys-CTT-5-1/ Mus_musculus_tRNA-Lys-CTT-6-1/ Mus_musculus_tRNA-Lys-CTT-11-1/ Mus_musculus_tRNA-Lys-CTT-16-1
97	Lys-CTT-2	Mus_musculus_tRNA-Lys-CTT-6-1
98	Lys-CTT-3	Mus_musculus_tRNA-Lys-CTT-8-1
99	Lys-CTT-4	Mus_musculus_tRNA-Lys-CTT-11-1

100	Lys-CTT-5	Mus_musculus_tRNA-Lys-CTT-12-1
101	Lys-CTT-6	Mus_musculus_tRNA-Lys-CTT-17-1
102	Lys-CTT-7	Mus_musculus_tRNA-Lys-CTT-18-1
103	Lys-CTT-8	Mus_musculus_tRNA-Lys-CTT-19-1
104	Lys-TTT-1	Mus_musculus_tRNA-Lys-TTT-1-1~6/ Mus_musculus_tRNA-Lys-TTT-2-1~2/ Mus_musculus_tRNA-Lys-TTT-3-1/ Mus_musculus_tRNA-Lys-TTT-5-1
105	Lys-TTT-2	Mus_musculus_tRNA-Lys-TTT-1-1~6/ Mus_musculus_tRNA-Lys-TTT-2-1~2
106	Lys-TTT-3	Mus_musculus_tRNA-Lys-TTT-3-1
107	Lys-TTT-4	Mus_musculus_tRNA-Lys-TTT-6-1
108	Met-CAT-1	Mus_musculus_tRNA-Met-CAT-1-1~2/ Mus_musculus_tRNA-Met-CAT-2-1~2/ Mus_musculus_tRNA-Met-CAT-3-1/ Mus_musculus_tRNA-Met-CAT-4-1/ Mus_musculus_tRNA-Met-CAT-5-1/ Mus_musculus_tRNA-Met-CAT-6-1/ Mus_musculus_tRNA-Met-CAT-7-1
109	Met-CAT-2	Mus_musculus_tRNA-Met-CAT-1-1~2
110	Met-CAT-3	Mus_musculus_tRNA-Met-CAT-5-1
111	Met-CAT-4	Mus_musculus_tRNA-Met-CAT-6-1
112	Met-CAT-5	Mus_musculus_tRNA-Met-CAT-7-1
113	Phe-GAA	Mus_musculus_tRNA-Phe-GAA-1-1~5/ Mus_musculus_tRNA-Phe-GAA-2-1/ Mus_musculus_tRNA-Phe-GAA-3-1
114	Pro-AGG-1	Mus_musculus_tRNA-Pro-AGG-1-1~6/ Mus_musculus_tRNA-Pro-AGG-2-1/ Mus_musculus_tRNA-Pro-AGG-3-1
115	Pro-AGG-2	Mus_musculus_tRNA-Pro-AGG-1-1~6
116	Pro-AGG-3	Mus_musculus_tRNA-Pro-AGG-3-1
117	Pro-CGG	Mus_musculus_tRNA-Pro-CGG-1-1~3
118	Pro-GGG	Mus_musculus_tRNA-Pro-GGG-1-1
119	Pro-TGG-1	Mus_musculus_tRNA-Pro-TGG-1-1/ Mus_musculus_tRNA-Pro-TGG-2-1~4/ Mus_musculus_tRNA-Pro-TGG-3-1/ Mus_musculus_tRNA-Pro-TGG-4-1/ Mus_musculus_tRNA-Pro-TGG-5-1
120	Pro-TGG-2	Mus_musculus_tRNA-Pro-TGG-1-1/ Mus_musculus_tRNA-Pro-TGG-2-1~4
121	Pro-TGG-3	Mus_musculus_tRNA-Pro-TGG-3-1
122	Pro-TGG-4	Mus_musculus_tRNA-Pro-TGG-4-1
123	Pro-TGG-5	Mus_musculus_tRNA-Pro-TGG-5-1
124	SeC-TCA	Mus_musculus_tRNA-SeC-TCA-1-1
125	Ser-AGA-1	Mus_musculus_tRNA-Ser-AGA-1-1/ Mus_musculus_tRNA-Ser-AGA-2-1~6
126	Ser-AGA-2	Mus_musculus_tRNA-Ser-AGA-3-1
127	Ser-AGA-3	Mus_musculus_tRNA-Ser-AGA-4-1
128	Ser-AGA-4	Mus_musculus_tRNA-Ser-AGA-5-1
129	Ser-CGA-1	Mus_musculus_tRNA-Ser-CGA-1-1/ Mus_musculus_tRNA-Ser-CGA-2-1/ Mus_musculus_tRNA-Ser-CGA-3-1
130	Ser-CGA-2	Mus_musculus_tRNA-Ser-CGA-3-1
131	Ser-GCT-1	Mus_musculus_tRNA-Ser-GCT-1-1/ Mus_musculus_tRNA-Ser-GCT-2-1/ Mus_musculus_tRNA-Ser-GCT-3-1/ Mus_musculus_tRNA-Ser-GCT-4-1~3/ Mus_musculus_tRNA-Ser-GCT-5-1/ Mus_musculus_tRNA-Ser-GCT-6-1
132	Ser-GCT-2	Mus_musculus_tRNA-Ser-GCT-3-1
133	Ser-GCT-3	Mus_musculus_tRNA-Ser-GCT-6-1
134	Ser-GGA	Mus_musculus_tRNA-Ser-GGA-1-1
135	Ser-TGA-1	Mus_musculus_tRNA-Ser-TGA-1-1/ Mus_musculus_tRNA-Ser-TGA-2-1~2
136	Ser-TGA-2	Mus_musculus_tRNA-Ser-TGA-1-1
137	Ser-TGA-3	Mus_musculus_tRNA-Ser-TGA-2-1~2

138	Sup-TTA	Mus_musculus_tRNA-Sup-TTA-1-1
139	Thr-AGT-1	Mus_musculus_tRNA-Thr-AGT-1-1~3/ Mus_musculus_tRNA-Thr-AGT-2-1/ Mus_musculus_tRNA-Thr-AGT-3-1/ Mus_musculus_tRNA-Thr-AGT-4-1/ Mus_musculus_tRNA-Thr-AGT-5-1/ Mus_musculus_tRNA-Thr-AGT-6-1/ Mus_musculus_tRNA-Thr-AGT-7-1
140	Thr-AGT-2	Mus_musculus_tRNA-Thr-AGT-8-1
141	Thr-CGT-1	Mus_musculus_tRNA-Thr-CGT-1-1/ Mus_musculus_tRNA-Thr-CGT-2-1
142	Thr-CGT-2	Mus_musculus_tRNA-Thr-CGT-3-1
143	Thr-CGT-3	Mus_musculus_tRNA-Thr-CGT-4-1
144	Thr-TGT-1	Mus_musculus_tRNA-Thr-TGT-1-1
145	Thr-TGT-2	Mus_musculus_tRNA-Thr-TGT-2-1/ Mus_musculus_tRNA-Thr-TGT-3-1~2
146	Trp-CCA-1	Mus_musculus_tRNA-Trp-CCA-1-1/ Mus_musculus_tRNA-Trp-CCA-2-1/ Mus_musculus_tRNA-Trp-CCA-3-1~2/ Mus_musculus_tRNA-Trp-CCA-4-1~2/ Mus_musculus_tRNA-Trp-CCA-5-1/ Mus_musculus_tRNA-Trp-CCA-6-1
147	Trp-CCA-2	Mus_musculus_tRNA-Trp-CCA-2-1
148	Trp-CCA-3	Mus_musculus_tRNA-Trp-CCA-6-1
149	Tyr-GTA-1	Mus_musculus_tRNA-Tyr-GTA-1-1~5/ Mus_musculus_tRNA-Tyr-GTA-2-1/ Mus_musculus_tRNA-Tyr-GTA-3-1~2/ Mus_musculus_tRNA-Tyr-GTA-4-1Mus_musculus_tRNA-Tyr-GTA-5-1
150	Tyr-GTA-2	Mus_musculus_tRNA-Tyr-GTA-1-1
151	Tyr-GTA-3	Mus_musculus_tRNA-Tyr-GTA-1-3
152	Tyr-GTA-4	Mus_musculus_tRNA-Tyr-GTA-1-4
153	Tyr-GTA-5	Mus_musculus_tRNA-Tyr-GTA-1-5
154	Tyr-GTA-6	Mus_musculus_tRNA-Tyr-GTA-2-1
155	Tyr-GTA-7	Mus_musculus_tRNA-Tyr-GTA-3-1
156	Tyr-GTA-8	Mus_musculus_tRNA-Tyr-GTA-3-2
157	Tyr-GTA-9	Mus_musculus_tRNA-Tyr-GTA-4-1
158	Tyr-GTA-10	Mus_musculus_tRNA-Tyr-GTA-5-1
159	Val-AAC-1	Mus_musculus_tRNA-Val-AAC-1-1~2/ Mus_musculus_tRNA-Val-AAC-2-1~2/ Mus_musculus_tRNA-Val-AAC-3-1/ Mus_musculus_tRNA-Val-AAC-4-1/ Mus_musculus_tRNA-Val-AAC-5-1
160	Val-AAC-2	Mus_musculus_tRNA-Val-AAC-6-1
161	Val-CAC-1	Mus_musculus_tRNA-Val-CAC-1-1/ Mus_musculus_tRNA-Val-CAC-2-1~5/ Mus_musculus_tRNA-Val-CAC-3-1/ Mus_musculus_tRNA-Val-CAC-4-1/ Mus_musculus_tRNA-Val-CAC-6-1
162	Val-CAC-2	Mus_musculus_tRNA-Val-CAC-6-1
163	Val-CAC-3	Mus_musculus_tRNA-Val-CAC-7-1
164	Val-CAC-4	Mus_musculus_tRNA-Val-CAC-8-1
165	Val-GAC	Mus_musculus_tRNA-Val-GAC-1-1
166	Val-TAC	Mus_musculus_tRNA-Val-TAC-1-1~3
167	mtAla-TGC	mtbdbD00002049 Mus_musculus 10090 Ala TGC
168	mtAsn-GTT	mtbdbD00002050 Mus_musculus 10090 Asn GTT
169	mtCys-GCA	mtbdbD00002051 Mus_musculus 10090 Cys GCA
170	mtGln-TTG	mtbdbD00002046 Mus_musculus 10090 Gln TTG
171	mtGlu-TTC	mtbdbD00002061 Mus_musculus 10090 Glu TTC
172	mtGly-TTC	mtbdbD00002056 Mus_musculus 10090 Gly TCC
173	mtHis-GTG	mtbdbD00002058 Mus_musculus 10090 His GTG
174	mtIle-GAT	mtbdbD00002045 Mus_musculus 10090 Ile GAT

175	mtLeu1-TAG	mtbdbD00002060 Mus_musculus 10090 Leu1 TAG
176	mtLeu2-TAA	mtbdbD00002044 Mus_musculus 10090 Leu2 TAA
177	mtLys-TTT	mtbdbD00002055 Mus_musculus 10090 Lys TTT
178	mtMet-CAT	mtbdbD00002047 Mus_musculus 10090 Met CAT
179	mtPhe-GAA	mtbdbD00002042 Mus_musculus 10090 Phe GAA
180	mtPro-TGG	mtbdbD00002063 Mus_musculus 10090 Pro TGG
181	mtSer2-TGA	mtbdbD00002053 Mus_musculus 10090 Ser2 TGA
182	mtThr-TGT	mtbdbD00002062 Mus_musculus 10090 Thr TGT
183	mtTrp-TCA	mtbdbD00002048 Mus_musculus 10090 Trp TCA
184	mtTyr-GTA	mtbdbD00002052 Mus_musculus 10090 Tyr GTA/ Mus_musculus_tRNA-Tyr-GTA-6-1
185	mtVal-TAC	mtbdbD00002043 Mus_musculus 10090 Val TAC