

## Pre-designed Mouse tRNA Primer Sets

tRNA name	tRNA ID in GtRNAdb or tRNAdb	Catalog Number
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	AS-NR-001M-1-001
Ala-AGC-2	Mus_musculus_tRNA-Ala-AGC-2-1~2	AS-NR-001M-1-002
Ala-AGC-3	Mus_musculus_tRNA-Ala-AGC-3-1	AS-NR-001M-1-003
Ala-AGC-4	Mus_musculus_tRNA-Ala-AGC-7-1	AS-NR-001M-1-004
Ala-AGC-5	Mus_musculus_tRNA-Ala-AGC-9-1	AS-NR-001M-1-005
Ala-AGC-6	Mus_musculus_tRNA-Ala-AGC-10-1	AS-NR-001M-1-006
Ala-AGC-7	Mus_musculus_tRNA-Ala-AGC-14-1	AS-NR-001M-1-007
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	AS-NR-001M-1-008
Ala-CGC-2	Mus_musculus_tRNA-Ala-CGC-1-1~2	AS-NR-001M-1-009
Ala-GGC-1	Mus_musculus_tRNA-Ala-GGC-2-1	AS-NR-001M-1-010
Ala-GGC-2	Mus_musculus_tRNA-Ala-GGC-3-1	AS-NR-001M-1-011
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	AS-NR-001M-1-012
Ala-TGC-2	Mus_musculus_tRNA-Ala-TGC-4-1	AS-NR-001M-1-013
Ala-TGC-3	Mus_musculus_tRNA-Ala-TGC-5-1~3/ Mus_musculus_tRNA-Ala-TGC-7-1~2	AS-NR-001M-1-014
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	AS-NR-001M-1-015
Arg-ACG-2	Mus_musculus_tRNA-Arg-ACG-1-1~3	AS-NR-001M-1-016
Arg-ACG-3	Mus_musculus_tRNA-Arg-ACG-3-1~2	AS-NR-001M-1-017
Arg-CCG-1	Mus_musculus_tRNA-Arg-CCG-1-1/ Mus_musculus_tRNA-Arg-CCG-2-1	AS-NR-001M-1-018
Arg-CCG-2	Mus_musculus_tRNA-Arg-CCG-3-1	AS-NR-001M-1-019
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	AS-NR-001M-1-020
Arg-CCT-2	Mus_musculus_tRNA-Arg-CCT-1-1/ Mus_musculus_tRNA-Arg-CCT-2-1~2	AS-NR-001M-1-021
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	AS-NR-001M-1-022
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	AS-NR-001M-1-023
Arg-TCT-2	Mus_musculus_tRNA-Arg-TCT-1-1	AS-NR-001M-1-024
Arg-TCT-3	Mus_musculus_tRNA-Arg-TCT-2-1	AS-NR-001M-1-025
Arg-TCT-4	Mus_musculus_tRNA-Arg-TCT-3-1/ Mus_musculus_tRNA-Arg-TCT-6-1	AS-NR-001M-1-026

Arg-TCT-5	Mus_musculus_tRNA-Arg-TCT-4-1	AS-NR-001M-1-027
Arg-TCT-6	Mus_musculus_tRNA-Arg-TCT-5-1	AS-NR-001M-1-028
Arg-TCT-7	Mus_musculus_tRNA-Arg-TCT-6-1	AS-NR-001M-1-029
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	AS-NR-001M-1-030
Asn-GTT-2	Mus_musculus_tRNA-Asn-GTT-4-1	AS-NR-001M-1-031
Asn-GTT-3	Mus_musculus_tRNA-Asn-GTT-5-1	AS-NR-001M-1-032
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	AS-NR-001M-1-033
Asp-GTC-2	Mus_musculus_tRNA-Asp-GTC-4-1	AS-NR-001M-1-034
Cys-ACA	Mus_musculus_tRNA-Cys-ACA-1-1	AS-NR-001M-1-035
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	AS-NR-001M-1-036
Cys-GCA-2	Mus_musculus_tRNA-Cys-GCA-9-1/ Mus_musculus_tRNA-Cys-GCA-19-1	AS-NR-001M-1-037
Cys-GCA-3	Mus_musculus_tRNA-Cys-GCA-11-1	AS-NR-001M-1-038
Cys-GCA-4	Mus_musculus_tRNA-Cys-GCA-12-1	AS-NR-001M-1-039
Cys-GCA-5	Mus_musculus_tRNA-Cys-GCA-22-1	AS-NR-001M-1-040
Cys-GCA-6	Mus_musculus_tRNA-Cys-GCA-24-1	AS-NR-001M-1-041
Cys-GCA-7	Mus_musculus_tRNA-Cys-GCA-28-1	AS-NR-001M-1-042
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	AS-NR-001M-1-043
Gln-CTG-2	Mus_musculus_tRNA-Gln-CTG-4-1	AS-NR-001M-1-044
Gln-CTG-3	Mus_musculus_tRNA-Gln-CTG-5-1	AS-NR-001M-1-045
Gln-CTG-4	Mus_musculus_tRNA-Gln-CTG-7-1	AS-NR-001M-1-046
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	AS-NR-001M-1-047
Gln-TTG-2	Mus_musculus_tRNA-Gln-TTG-2-1	AS-NR-001M-1-048
Gln-TTG-3	Mus_musculus_tRNA-Gln-TTG-4-1	AS-NR-001M-1-049

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	AS-NR-001M-1-050
Glu-CTC-2	Mus_musculus_tRNA-Glu-CTC-2-1	AS-NR-001M-1-051
Glu-CTC-3	Mus_musculus_tRNA-Glu-CTC-3-1	AS-NR-001M-1-052
Glu-CTC-4	Mus_musculus_tRNA-Glu-CTC-4-1	AS-NR-001M-1-053
Glu-CTC-5	Mus_musculus_tRNA-Glu-CTC-5-1	AS-NR-001M-1-054
Glu-TTC-1	Mus_musculus_tRNA-Glu-TTC-1-1~4/ Mus_musculus_tRNA-Glu-TTC-2-1~2	AS-NR-001M-1-055
Glu-TTC-2	Mus_musculus_tRNA-Glu-TTC-3-1	AS-NR-001M-1-056
Gly-ACC-1	Mus_musculus_tRNA-Gly-ACC-1-1	AS-NR-001M-1-057
Gly-ACC-2	Mus_musculus_tRNA-Gly-ACC-2-1	AS-NR-001M-1-058
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	AS-NR-001M-1-059
Gly-CCC-2	Mus_musculus_tRNA-Gly-CCC-1~2	AS-NR-001M-1-060
Gly-CCC-3	Mus_musculus_tRNA-Gly-CCC-2-1~2/ Mus_musculus_tRNA-Gly-CCC-3-1	AS-NR-001M-1-061
Gly-CCC-4	Mus_musculus_tRNA-Gly-CCC-4-1	AS-NR-001M-1-062
Gly-CCC-5	Mus_musculus_tRNA-Gly-CCC-5-1	AS-NR-001M-1-063
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-4-1/ Mus_musculus_tRNA-Gly-GCC-5-1/ Mus_musculus_tRNA-Gly-GCC-6-1	AS-NR-001M-1-064
Gly-GCC-2	Mus_musculus_tRNA-Gly-GCC-1-1~3/ Mus_musculus_tRNA-Gly-GCC-2-1~8	AS-NR-001M-1-065
Gly-GCC-3	Mus_musculus_tRNA-Gly-GCC-6-1	AS-NR-001M-1-066
Gly-TCC-1	Mus_musculus_tRNA-Gly-TCC-1-1~7/ Mus_musculus_tRNA-Gly-TCC-2-1	AS-NR-001M-1-067
Gly-TCC-2	Mus_musculus_tRNA-Gly-TCC-1-1~7	AS-NR-001M-1-068
Gly-TCC-3	Mus_musculus_tRNA-Gly-TCC-2-1	AS-NR-001M-1-069
His-ATG	Mus_musculus_tRNA-His-ATG-1-1	AS-NR-001M-1-070
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	AS-NR-001M-1-071
His-GTG-2	Mus_musculus_tRNA-His-GTG-1-1	AS-NR-001M-1-072
His-GTG-3	Mus_musculus_tRNA-His-GTG-2-1~8/ Mus_musculus_tRNA-His-GTG-3-1	AS-NR-001M-1-073
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	AS-NR-001M-1-074
Ile-AAT-2	Mus_musculus_tRNA-Ile-AAT-5-1	AS-NR-001M-1-075
Ile-GAT	Mus_musculus_tRNA-Ile-GAT-1-1	AS-NR-001M-1-076
Ile-TAT-1	Mus_musculus_tRNA-Ile-TAT-1-1/ Mus_musculus_tRNA-Ile-TAT-2-2	AS-NR-001M-1-077
Ile-TAT-2	Mus_musculus_tRNA-Ile-TAT-1-1	AS-NR-001M-1-078
Ile-TAT-3	Mus_musculus_tRNA-Ile-TAT-2-2	AS-NR-001M-1-079
Ile-TAT-4	Mus_musculus_tRNA-Ile-TAT-3-1	AS-NR-001M-1-080
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	AS-NR-001M-1-081
iMet-CAT-2	Mus_musculus_tRNA-iMet-CAT-3-1	AS-NR-001M-1-082

iMet-CAT-3	Mus_musculus_tRNA-iMet-CAT-4-1	AS-NR-001M-1-083
Leu-AAG	Mus_musculus_tRNA-Leu-AAG-1-1~3/ Mus_musculus_tRNA-Leu-AAG-2-1/ Mus_musculus_tRNA-Leu-AAG-3-1	AS-NR-001M-1-084
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	AS-NR-001M-1-085
Leu-CAA-2	Mus_musculus_tRNA-Leu-CAA-1-1	AS-NR-001M-1-086
Leu-CAA-3	Mus_musculus_tRNA-Leu-CAA-2-1	AS-NR-001M-1-087
Leu-CAA-4	Mus_musculus_tRNA-Leu-CAA-3-1	AS-NR-001M-1-088
Leu-CAA-5	Mus_musculus_tRNA-Leu-CAA-4-1	AS-NR-001M-1-089
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	AS-NR-001M-1-090
Leu-TAA-1	Mus_musculus_tRNA-Leu-TAA-1-1	AS-NR-001M-1-091
Leu-TAA-2	Mus_musculus_tRNA-Leu-TAA-4-1	AS-NR-001M-1-092
Leu-TAG-1	Mus_musculus_tRNA-Leu-TAG-1-1/ Mus_musculus_tRNA-Leu-TAG-2-1/ Mus_musculus_tRNA-Leu-TAG-3-1	AS-NR-001M-1-093
Leu-TAG-2	Mus_musculus_tRNA-Leu-TAG-1-1/ Mus_musculus_tRNA-Leu-TAG-2-1	AS-NR-001M-1-094
Leu-TAG-3	Mus_musculus_tRNA-Leu-TAG-3-1	AS-NR-001M-1-095
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	AS-NR-001M-1-096
Lys-CTT-2	Mus_musculus_tRNA-Lys-CTT-6-1	AS-NR-001M-1-097
Lys-CTT-3	Mus_musculus_tRNA-Lys-CTT-8-1	AS-NR-001M-1-098
Lys-CTT-4	Mus_musculus_tRNA-Lys-CTT-11-1	AS-NR-001M-1-099
Lys-CTT-5	Mus_musculus_tRNA-Lys-CTT-12-1	AS-NR-001M-1-100
Lys-CTT-6	Mus_musculus_tRNA-Lys-CTT-17-1	AS-NR-001M-1-101
Lys-CTT-7	Mus_musculus_tRNA-Lys-CTT-18-1	AS-NR-001M-1-102
Lys-CTT-8	Mus_musculus_tRNA-Lys-CTT-19-1	AS-NR-001M-1-103
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	AS-NR-001M-1-104
Lys-TTT-2	Mus_musculus_tRNA-Lys-TTT-1-1~6/ Mus_musculus_tRNA-Lys-TTT-2-1~2	AS-NR-001M-1-105
Lys-TTT-3	Mus_musculus_tRNA-Lys-TTT-3-1	AS-NR-001M-1-106
Lys-TTT-4	Mus_musculus_tRNA-Lys-TTT-6-1	AS-NR-001M-1-107
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	AS-NR-001M-1-108
Met-CAT-2	Mus_musculus_tRNA-Met-CAT-1-1~2	AS-NR-001M-1-109
Met-CAT-3	Mus_musculus_tRNA-Met-CAT-5-1	AS-NR-001M-1-110
Met-CAT-4	Mus_musculus_tRNA-Met-CAT-6-1	AS-NR-001M-1-111
Met-CAT-5	Mus_musculus_tRNA-Met-CAT-7-1	AS-NR-001M-1-112

Phe-GAA	Mus_musculus_tRNA-Phe-GAA-1-1~5/ Mus_musculus_tRNA-Phe-GAA-2-1/ Mus_musculus_tRNA-Phe-GAA-3-1	AS-NR-001M-1-113
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	AS-NR-001M-1-114
Pro-AGG-2	Mus_musculus_tRNA-Pro-AGG-1-1~6	AS-NR-001M-1-115
Pro-AGG-3	Mus_musculus_tRNA-Pro-AGG-3-1	AS-NR-001M-1-116
Pro-CGG	Mus_musculus_tRNA-Pro-CGG-1-1~3	AS-NR-001M-1-117
Pro-GGG	Mus_musculus_tRNA-Pro-GGG-1-1	AS-NR-001M-1-118
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	AS-NR-001M-1-119
Pro-TGG-2	Mus_musculus_tRNA-Pro-TGG-1-1/ Mus_musculus_tRNA-Pro-TGG-2-1~4	AS-NR-001M-1-120
Pro-TGG-3	Mus_musculus_tRNA-Pro-TGG-3-1	AS-NR-001M-1-121
Pro-TGG-4	Mus_musculus_tRNA-Pro-TGG-4-1	AS-NR-001M-1-122
Pro-TGG-5	Mus_musculus_tRNA-Pro-TGG-5-1	AS-NR-001M-1-123
SeC-TCA	Mus_musculus_tRNA-SeC-TCA-1-1	AS-NR-001M-1-124
Ser-AGA-1	Mus_musculus_tRNA-Ser-AGA-1-1/ Mus_musculus_tRNA-Ser-AGA-2-1~6	AS-NR-001M-1-125
Ser-AGA-2	Mus_musculus_tRNA-Ser-AGA-3-1	AS-NR-001M-1-126
Ser-AGA-3	Mus_musculus_tRNA-Ser-AGA-4-1	AS-NR-001M-1-127
Ser-AGA-4	Mus_musculus_tRNA-Ser-AGA-5-1	AS-NR-001M-1-128
Ser-CGA-1	Mus_musculus_tRNA-Ser-CGA-1-1/ Mus_musculus_tRNA-Ser-CGA-2-1/ Mus_musculus_tRNA-Ser-CGA-3-1	AS-NR-001M-1-129
Ser-CGA-2	Mus_musculus_tRNA-Ser-CGA-3-1	AS-NR-001M-1-130
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	AS-NR-001M-1-131
Ser-GCT-2	Mus_musculus_tRNA-Ser-GCT-3-1	AS-NR-001M-1-132
Ser-GCT-3	Mus_musculus_tRNA-Ser-GCT-6-1	AS-NR-001M-1-133
Ser-GGA	Mus_musculus_tRNA-Ser-GGA-1-1	AS-NR-001M-1-134
Ser-TGA-1	Mus_musculus_tRNA-Ser-TGA-1-1/ Mus_musculus_tRNA-Ser-TGA-2-1~2	AS-NR-001M-1-135
Ser-TGA-2	Mus_musculus_tRNA-Ser-TGA-1-1	AS-NR-001M-1-136
Ser-TGA-3	Mus_musculus_tRNA-Ser-TGA-2-1~2	AS-NR-001M-1-137
Sup-TTA	Mus_musculus_tRNA-Sup-TTA-1-1	AS-NR-001M-1-138
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	AS-NR-001M-1-139
Thr-AGT-2	Mus_musculus_tRNA-Thr-AGT-8-1	AS-NR-001M-1-140
Thr-CGT-1	Mus_musculus_tRNA-Thr-CGT-1-1/ Mus_musculus_tRNA-Thr-CGT-2-1	AS-NR-001M-1-141
Thr-CGT-2	Mus_musculus_tRNA-Thr-CGT-3-1	AS-NR-001M-1-142
Thr-CGT-3	Mus_musculus_tRNA-Thr-CGT-4-1	AS-NR-001M-1-143

Thr-TGT-1	Mus_musculus_tRNA-Thr-TGT-1-1	AS-NR-001M-1-144
Thr-TGT-2	Mus_musculus_tRNA-Thr-TGT-2-1/ Mus_musculus_tRNA-Thr-TGT-3-1~2	AS-NR-001M-1-145
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	AS-NR-001M-1-146
Trp-CCA-2	Mus_musculus_tRNA-Trp-CCA-2-1	AS-NR-001M-1-147
Trp-CCA-3	Mus_musculus_tRNA-Trp-CCA-6-1	AS-NR-001M-1-148
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-4-1/ Mus_musculus_tRNA-Tyr-GTA-5-1	AS-NR-001M-1-149
Tyr-GTA-2	Mus_musculus_tRNA-Tyr-GTA-1-1	AS-NR-001M-1-150
Tyr-GTA-3	Mus_musculus_tRNA-Tyr-GTA-1-3	AS-NR-001M-1-151
Tyr-GTA-4	Mus_musculus_tRNA-Tyr-GTA-1-4	AS-NR-001M-1-152
Tyr-GTA-5	Mus_musculus_tRNA-Tyr-GTA-1-5	AS-NR-001M-1-153
Tyr-GTA-6	Mus_musculus_tRNA-Tyr-GTA-2-1	AS-NR-001M-1-154
Tyr-GTA-7	Mus_musculus_tRNA-Tyr-GTA-3-1	AS-NR-001M-1-155
Tyr-GTA-8	Mus_musculus_tRNA-Tyr-GTA-3-2	AS-NR-001M-1-156
Tyr-GTA-9	Mus_musculus_tRNA-Tyr-GTA-4-1	AS-NR-001M-1-157
Tyr-GTA-10	Mus_musculus_tRNA-Tyr-GTA-5-1	AS-NR-001M-1-158
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	AS-NR-001M-1-159
Val-AAC-2	Mus_musculus_tRNA-Val-AAC-6-1	AS-NR-001M-1-160
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	AS-NR-001M-1-161
Val-CAC-2	Mus_musculus_tRNA-Val-CAC-6-1	AS-NR-001M-1-162
Val-CAC-3	Mus_musculus_tRNA-Val-CAC-7-1	AS-NR-001M-1-163
Val-CAC-4	Mus_musculus_tRNA-Val-CAC-8-1	AS-NR-001M-1-164
Val-GAC	Mus_musculus_tRNA-Val-GAC-1-1	AS-NR-001M-1-165
Val-TAC	Mus_musculus_tRNA-Val-TAC-1-1~3	AS-NR-001M-1-166
mtAla-TGC	mtdbD00002049 Mus_musculus 10090 Ala TGC	AS-NR-001M-1-167
mtAsn-GTT	mtdbD00002050 Mus_musculus 10090 Asn GTT	AS-NR-001M-1-168
mtCys-GCA	mtdbD00002051 Mus_musculus 10090 Cys GCA	AS-NR-001M-1-169
mtGln-TTG	mtdbD00002046 Mus_musculus 10090 Gln TTG	AS-NR-001M-1-170
mtGlu-TTC	mtdbD00002061 Mus_musculus 10090 Glu TTC	AS-NR-001M-1-171
mtGly-TTC	mtdbD00002056 Mus_musculus 10090 Gly TCC	AS-NR-001M-1-172
mtHis-GTG	mtdbD00002058 Mus_musculus 10090 His GTG	AS-NR-001M-1-173
mtIle-GAT	mtdbD00002045 Mus_musculus 10090 Ile GAT	AS-NR-001M-1-174
mtLeu1-TAG	mtdbD00002060 Mus_musculus 10090 Leu1 TAG	AS-NR-001M-1-175
mtLeu2-TAA	mtdbD00002044 Mus_musculus 10090 Leu2 TAA	AS-NR-001M-1-176

mtLys-TTT	mtdbD00002055 Mus_musculus 10090 Lys TTT	AS-NR-001M-1-177
mtMet-CAT	mtdbD00002047 Mus_musculus 10090 Met CAT	AS-NR-001M-1-178
mtPhe-GAA	mtdbD00002042 Mus_musculus 10090 Phe GAA	AS-NR-001M-1-179
mtPro-TGG	mtdbD00002063 Mus_musculus 10090 Pro TGG	AS-NR-001M-1-180
mtSer2-TGA	mtdbD00002053 Mus_musculus 10090 Ser2 TGA	AS-NR-001M-1-181
mtThr-TGT	mtdbD00002062 Mus_musculus 10090 Thr TGT	AS-NR-001M-1-182
mtTrp-TCA	mtdbD00002048 Mus_musculus 10090 Trp TCA	AS-NR-001M-1-183
mtTyr-GTA	mtdbD00002052 Mus_musculus 10090 Tyr GTA/ Mus_musculus_tRNA-Tyr-GTA-6-1	AS-NR-001M-1-184
mtVal-TAC	mtdbD00002043 Mus_musculus 10090 Val TAC	AS-NR-001M-1-185
U6	Housekeeping gene	AS-NR-001M-1-186
5S rRNA	Housekeeping gene	AS-NR-001M-1-187
18S rRNA	Housekeeping gene	AS-NR-001M-1-188