

Pre-designed Human tRNA Primer Sets V2.0

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

Arg-TCT-3	Homo_sapiens_tRNA-Arg-TCT-4-1	AS-NR-001H-1-026
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	AS-NR-001H-1-027
Asn-GTT-2	Homo_sapiens_tRNA-Asn-GTT-3-1~2	AS-NR-001H-1-028
Asn-GTT-3	Homo_sapiens_tRNA-Asn-GTT-4-1	AS-NR-001H-1-029
Asn-GTT-4	Homo_sapiens_tRNA-Asn-GTT-7-1	AS-NR-001H-1-030
Asn-GTT-5	Homo_sapiens_tRNA-Asn-GTT-9-1~2	AS-NR-001H-1-031
Asn-GTT-6	Homo_sapiens_tRNA-Asn-GTT-10-1	AS-NR-001H-1-032
Asn-GTT-7	Homo_sapiens_tRNA-Asn-GTT-11-1~2	AS-NR-001H-1-033
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	AS-NR-001H-1-034
Asp-GTC-2	Homo_sapiens_tRNA-Asp-GTC-1-1	AS-NR-001H-1-035
Asp-GTC-3	Homo_sapiens_tRNA-Asp-GTC-3-1	AS-NR-001H-1-036
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	AS-NR-001H-1-037
Cys-GCA-2	Homo_sapiens_tRNA-Cys-GCA-3-1/ Homo_sapiens_tRNA-Cys-GCA-16-1	AS-NR-001H-1-038
Cys-GCA-3	Homo_sapiens_tRNA-Cys-GCA-5-1/ Homo_sapiens_tRNA-Cys-GCA-7-1	AS-NR-001H-1-039
Cys-GCA-4	Homo_sapiens_tRNA-Cys-GCA-12-1	AS-NR-001H-1-040
Cys-GCA-5	Homo_sapiens_tRNA-Cys-GCA-13-1/ Homo_sapiens_tRNA-Cys-GCA-20-1/ Homo_sapiens_tRNA-Cys-GCA-22-1	AS-NR-001H-1-041
Cys-GCA-6	Homo_sapiens_tRNA-Cys-GCA-15-1	AS-NR-001H-1-042
Cys-GCA-7	Homo_sapiens_tRNA-Cys-GCA-16-1	AS-NR-001H-1-043
Cys-GCA-8	Homo_sapiens_tRNA-Cys-GCA-19-1	AS-NR-001H-1-044
Cys-GCA-9	Homo_sapiens_tRNA-Cys-GCA-21-1/ Homo_sapiens_tRNA-Cys-GCA-23-1	AS-NR-001H-1-045
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/	AS-NR-001H-1-046

	Homo_sapiens_tRNA-Gln-CTG-5-1/ Homo_sapiens_tRNA-Gln-CTG-6-1/ Homo_sapiens_tRNA-Gln-CTG-7-1	
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	AS-NR-001H-1-047
Gln-CTG-3	Homo_sapiens_tRNA-Gln-CTG-3-1~2	AS-NR-001H-1-048
Gln-CTG-4	Homo_sapiens_tRNA-Gln-CTG-4-1~2/ Homo_sapiens_tRNA-Gln-CTG-7-1	AS-NR-001H-1-049
Gln-CTG-5	Homo_sapiens_tRNA-Gln-CTG-5-1	AS-NR-001H-1-050
Gln-CTG-6	Homo_sapiens_tRNA-Gln-CTG-6-1	AS-NR-001H-1-051
Gln-CTG-7	Homo_sapiens_tRNA-Gln-CTG-7-1	AS-NR-001H-1-052
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	AS-NR-001H-1-053
Gln-TTG-2	Homo_sapiens_tRNA-Gln-TTG-1-1/ Homo_sapiens_tRNA-Gln-TTG-3-1~3	AS-NR-001H-1-054
Gln-TTG-3	Homo_sapiens_tRNA-Gln-TTG-2-1	AS-NR-001H-1-055
Gln-TTG-4	Homo_sapiens_tRNA-Gln-TTG-4-1	AS-NR-001H-1-056
Glu-CTC	Homo_sapiens_tRNA-Glu-CTC-1-1~7/ Homo_sapiens_tRNA-Glu-CTC-2-1	AS-NR-001H-1-057
Glu-TTC-1	Homo_sapiens_tRNA-Glu-TTC-1-1~2/ Homo_sapiens_tRNA-Glu-TTC-2-1~2	AS-NR-001H-1-058
Glu-TTC-2	Homo_sapiens_tRNA-Glu-TTC-1-1~2	AS-NR-001H-1-059
Glu-TTC-3	Homo_sapiens_tRNA-Glu-TTC-2-1~2	AS-NR-001H-1-060
Gly-CCC-1	Homo_sapiens_tRNA-Gly-CCC-1-1~2	AS-NR-001H-1-061
Gly-CCC-2	Homo_sapiens_tRNA-Gly-CCC-2-1~2	AS-NR-001H-1-062
Gly-CCC-3	Homo_sapiens_tRNA-Gly-CCC-3-1	AS-NR-001H-1-063
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	AS-NR-001H-1-064
Gly-GCC-2	Homo_sapiens_tRNA-Gly-GCC-3-1	AS-NR-001H-1-065
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	AS-NR-001H-1-066
Gly-GCC-4	Homo_sapiens_tRNA-Gly-GCC-5-1	AS-NR-001H-1-067
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	AS-NR-001H-1-068
Gly-TCC-2	Homo_sapiens_tRNA-Gly-TCC-1-1	AS-NR-001H-1-069
Gly-TCC-3	Homo_sapiens_tRNA-Gly-TCC-2-1~6/ Homo_sapiens_tRNA-Gly-TCC-4-1	AS-NR-001H-1-070
Gly-TCC-4	Homo_sapiens_tRNA-Gly-TCC-3-1	AS-NR-001H-1-071
Gly-TCC-5	Homo_sapiens_tRNA-Gly-TCC-4-1	AS-NR-001H-1-072
His-GTG-1	Homo_sapiens_tRNA-His-GTG-1-1~9/ Homo_sapiens_tRNA-His-GTG-2-1	AS-NR-001H-1-073
His-GTG-2	Homo_sapiens_tRNA-His-GTG-1-1~9	AS-NR-001H-1-074
His-GTG-3	Homo_sapiens_tRNA-His-GTG-2-1	AS-NR-001H-1-075

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	AS-NR-001H-1-076
Ile-AAT-2	Homo_sapiens_tRNA-Ile-AAT-1-1	AS-NR-001H-1-077
Ile-AAT-3	Homo_sapiens_tRNA-Ile-AAT-6-1	AS-NR-001H-1-078
Ile-AAT-4	Homo_sapiens_tRNA-Ile-AAT-7-1~2	AS-NR-001H-1-079
Ile-AAT-5	Homo_sapiens_tRNA-Ile-AAT-8-1	AS-NR-001H-1-080
Ile-AAT-6	Homo_sapiens_tRNA-Ile-AAT-9-1	AS-NR-001H-1-081
Ile-GAT	Homo_sapiens_tRNA-Ile-GAT-1-1~3	AS-NR-001H-1-082
Ile-TAT	Homo_sapiens_tRNA-Ile-TAT-1-1/ Homo_sapiens_tRNA-Ile-TAT-2-1~3/ Homo_sapiens_tRNA-Ile-TAT-3-1	AS-NR-001H-1-083
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	AS-NR-001H-1-084
Leu-AAG-2	Homo_sapiens_tRNA-Leu-AAG-4-1	AS-NR-001H-1-085
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	AS-NR-001H-1-086
Leu-CAA-2	Homo_sapiens_tRNA-Leu-CAA-2-1	AS-NR-001H-1-087
Leu-CAA-3	Homo_sapiens_tRNA-Leu-CAA-3-1	AS-NR-001H-1-088
Leu-CAA-4	Homo_sapiens_tRNA-Leu-CAA-4-1	AS-NR-001H-1-089
Leu-CAA-5	Homo_sapiens_tRNA-Leu-CAA-5-1	AS-NR-001H-1-090
Leu-CAA-6	Homo_sapiens_tRNA-Leu-CAA-6-1	AS-NR-001H-1-091
Leu-CAG	Homo_sapiens_tRNA-Leu-CAG-1-1~7/ Homo_sapiens_tRNA-Leu-CAG-2-1~2	AS-NR-001H-1-092
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	AS-NR-001H-1-093
Leu-TAA-2	Homo_sapiens_tRNA-Leu-TAA-1-1	AS-NR-001H-1-094
Leu-TAA-3	Homo_sapiens_tRNA-Leu-TAA-2-1	AS-NR-001H-1-095
Leu-TAA-4	Homo_sapiens_tRNA-Leu-TAA-3-1	AS-NR-001H-1-096
Leu-TAA-5	Homo_sapiens_tRNA-Leu-TAA-4-1	AS-NR-001H-1-097
Leu-TAG-1	Homo_sapiens_tRNA-Leu-TAG-1-1/ Homo_sapiens_tRNA-Leu-TAG-2-1/ Homo_sapiens_tRNA-Leu-TAG-3-1	AS-NR-001H-1-098
Leu-TAG-2	Homo_sapiens_tRNA-Leu-TAG-2-1	AS-NR-001H-1-099
Leu-TAG-3	Homo_sapiens_tRNA-Leu-TAG-3-1	AS-NR-001H-1-100
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	AS-NR-001H-1-101
Lys-CTT-2	Homo_sapiens_tRNA-Lys-CTT-1-1~2	AS-NR-001H-1-102
Lys-CTT-3	Homo_sapiens_tRNA-Lys-CTT-3-1	AS-NR-001H-1-103
Lys-CTT-4	Homo_sapiens_tRNA-Lys-CTT-7-1	AS-NR-001H-1-104
Lys-CTT-5	Homo_sapiens_tRNA-Lys-CTT-8-1	AS-NR-001H-1-105

Lys-CTT-6	Homo_sapiens_tRNA-Lys-CTT-9-1	AS-NR-001H-1-106
Lys-CTT-7	Homo_sapiens_tRNA-Lys-CTT-10-1	AS-NR-001H-1-107
Lys-CTT-8	Homo_sapiens_tRNA-Lys-CTT-11-1	AS-NR-001H-1-108
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	AS-NR-001H-1-109
Lys-TTT-2	Homo_sapiens_tRNA-Lys-TTT-7-1	AS-NR-001H-1-110
Lys-TTT-3	Homo_sapiens_tRNA-Lys-TTT-11-1	AS-NR-001H-1-111
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	AS-NR-001H-1-112
Met-CAT-2	Homo_sapiens_tRNA-Met-CAT-1-1	AS-NR-001H-1-113
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	AS-NR-001H-1-114
Met-CAT-4	Homo_sapiens_tRNA-Met-CAT-4-1~3	AS-NR-001H-1-115
iMet-CAT	Homo_sapiens_tRNA-iMet-CAT-1-1~8/ Homo_sapiens_tRNA-iMet-CAT-2-1	AS-NR-001H-1-116
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	AS-NR-001H-1-117
Phe-GAA-2	Homo_sapiens_tRNA-Phe-GAA-4-1	AS-NR-001H-1-118
Phe-GAA-3	Homo_sapiens_tRNA-Phe-GAA-6-1	AS-NR-001H-1-119
Pro-AGG-1	Homo_sapiens_tRNA-Pro-AGG-1-1/ Homo_sapiens_tRNA-Pro-AGG-2-1~8	AS-NR-001H-1-120
Pro-AGG-2	Homo_sapiens_tRNA-Pro-AGG-1-1	AS-NR-001H-1-121
Pro-AGG-3	Homo_sapiens_tRNA-Pro-AGG-2-1	AS-NR-001H-1-122
Pro-CGG-1	Homo_sapiens_tRNA-Pro-CGG-1-1~3/ Homo_sapiens_tRNA-Pro-CGG-2-1	AS-NR-001H-1-123
Pro-CGG-2	Homo_sapiens_tRNA-Pro-CGG-1-1~3	AS-NR-001H-1-124
Pro-CGG-3	Homo_sapiens_tRNA-Pro-CGG-2-1	AS-NR-001H-1-125
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	AS-NR-001H-1-126
Pro-TGG-2	Homo_sapiens_tRNA-Pro-TGG-1-1/ Homo_sapiens_tRNA-Pro-TGG-3-1~5	AS-NR-001H-1-127
Pro-TGG-3	Homo_sapiens_tRNA-Pro-TGG-2-1	AS-NR-001H-1-128
Sec-TCA-1	Homo_sapiens_tRNA-SeC-TCA-1-1/ Homo_sapiens_tRNA-SeC-TCA-2-1	AS-NR-001H-1-129
Sec-TCA-2	Homo_sapiens_tRNA-SeC-TCA-1-1	AS-NR-001H-1-130
Sec-TCA-3	Homo_sapiens_tRNA-SeC-TCA-2-1	AS-NR-001H-1-131
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	AS-NR-001H-1-132
Ser-AGA-2	Homo_sapiens_tRNA-Ser-AGA-3-1	AS-NR-001H-1-133

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	AS-NR-001H-1-134
Ser-CGA-2	Homo_sapiens_tRNA-Ser-CGA-3-1	AS-NR-001H-1-135
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	AS-NR-001H-1-136
Ser-GCT-2	Homo_sapiens_tRNA-Ser-GCT-3-1	AS-NR-001H-1-137
Ser-GCT-3	Homo_sapiens_tRNA-Ser-GCT-5-1	AS-NR-001H-1-138
Ser-TGA-1	Homo_sapiens_tRNA-Ser-TGA-1-1	AS-NR-001H-1-139
Ser-TGA-2	Homo_sapiens_tRNA-Ser-TGA-2-1/ Homo_sapiens_tRNA-Ser-TGA-3-1/ Homo_sapiens_tRNA-Ser-TGA-4-1	AS-NR-001H-1-140
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	AS-NR-001H-1-141
Thr-AGT-2	Homo_sapiens_tRNA-Thr-AGT-6-1	AS-NR-001H-1-142
Thr-CGT-1	Homo_sapiens_tRNA-Thr-CGT-1-1/ Homo_sapiens_tRNA-Thr-CGT-3-1	AS-NR-001H-1-143
Thr-CGT-2	Homo_sapiens_tRNA-Thr-CGT-2-1/ Homo_sapiens_tRNA-Thr-CGT-4-1	AS-NR-001H-1-144
Thr-CGT-3	Homo_sapiens_tRNA-Thr-CGT-2-1	AS-NR-001H-1-145
Thr-CGT-4	Homo_sapiens_tRNA-Thr-CGT-4-1	AS-NR-001H-1-146
Thr-CGT-5	Homo_sapiens_tRNA-Thr-CGT-5-1	AS-NR-001H-1-147
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	AS-NR-001H-1-148
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	AS-NR-001H-1-149
Trp-CCA-2	Homo_sapiens_tRNA-Trp-CCA-4-1	AS-NR-001H-1-150
Trp-CCA-3	Homo_sapiens_tRNA-Trp-CCA-5-1	AS-NR-001H-1-151
Tyr-ATA	Homo_sapiens_tRNA-Tyr-ATA-1-1	AS-NR-001H-1-152
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	AS-NR-001H-1-153
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	AS-NR-001H-1-154
Val-AAC-2	Homo_sapiens_tRNA-Val-AAC-2-1	AS-NR-001H-1-155
Val-AAC-3	Homo_sapiens_tRNA-Val-AAC-3-1	AS-NR-001H-1-156
Val-AAC-4	Homo_sapiens_tRNA-Val-AAC-4-1	AS-NR-001H-1-157
Val-AAC-5	Homo_sapiens_tRNA-Val-AAC-6-1	AS-NR-001H-1-158

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	AS-NR-001H-1-159
Val-CAC-2	Homo_sapiens_tRNA-Val-CAC-5-1	AS-NR-001H-1-160
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	AS-NR-001H-1-161
Val-TAC-2	Homo_sapiens_tRNA-Val-TAC-3-1	AS-NR-001H-1-162
Val-TAC-3	Homo_sapiens_tRNA-Val-TAC-4-1	AS-NR-001H-1-163
mt-Ala-TGC	mtdbD00000534	AS-NR-001H-1-164
mt-Arg-TCG	mtdbD00000542	AS-NR-001H-1-165
mt-Asn-GTT	mtdbD00000535	AS-NR-001H-1-166
mt-Asp-GTC	mtdbD00000539	AS-NR-001H-1-167
mt-Cys-GCA	mtdbD00000536	AS-NR-001H-1-168
mt-Gln-TTG	mtdbD00000531	AS-NR-001H-1-169
mt-Glu-TTC	mtdbD00000546	AS-NR-001H-1-170
mt-Gly-TCC	mtdbD00000541	AS-NR-001H-1-171
mt-His-GTG	mtdbD00000543	AS-NR-001H-1-172
mt-Ile-GAT	mtdbD00000530	AS-NR-001H-1-173
mt-Leu-TAA	mtdbD00000529	AS-NR-001H-1-174
mt-Leu-TAG	mtdbD00000545	AS-NR-001H-1-175
mt-Lys-TTT	mtdbD00000540	AS-NR-001H-1-176
mt-Met-CAT	mtdbD00000532	AS-NR-001H-1-177
mt-Phe-GAA	mtdbD00000527	AS-NR-001H-1-178
mt-Pro-TGG	mtdbD00000548	AS-NR-001H-1-179
mt-Ser-GCT	mtdbD00000544	AS-NR-001H-1-180
mt-Ser-TGA	mtdbD00000538	AS-NR-001H-1-181
mt-Thr-TGT	mtdbD00000547	AS-NR-001H-1-182
mt-Trp-TCA	mtdbD00000533	AS-NR-001H-1-183
mt-Tyr-GTA	mtdbD00000537	AS-NR-001H-1-184
mt-Val-TAC	mtdbD00000528	AS-NR-001H-1-185
U6	Housekeeping gene	AS-NR-001H-1-186
5S rRNA	Housekeeping gene	AS-NR-001H-1-187
18S rRNA	Housekeeping gene	AS-NR-001H-1-188