Phe UUU 34306 1.03 Ser UCU 29730 1.22 Tyr UAU 23973 0.98 Cys UGU 17862 1.02

UUC 32074 0.97 UCC 27860 1.14 UAC 24980 1.02 UGC 16998 0.98

Leu UUA 16807 0.56 UCA 23915 0.98 TER UAA 1067 0.86 TER UGA 1849 1.49

UUG 26223 0.87 UCG 7549 0.31 UAG 795 0.64 Trp UGG 20479 1.00

CUU 26913 0.89 Pro CCU 34395 1.24 His CAU 21885 0.93 Arg CGU 9869 0.55

CUC 30717 1.02 CCC 32218 1.16 CAC 25184 1.07 CGC 17639 0.98

CUA 14247 0.47 CCA 32963 1.18 Gln CAA 23749 0.53 CGA 13944 0.78

CUG 65827 2.19 CCG 11736 0.42 CAG 65137 1.47 CGG 22384 1.25

Ile AUU 31947 1.20 Thr ACU 25274 1.08 Asn AAU 33926 1.03 Ser AGU 25061 1.03

AUC 33827 1.27 ACC 29340 1.25 AAC 32145 0.97 AGC 32439 1.33

AUA 14282 0.54 ACA 29111 1.24 Lys AAA 52341 0.91 Arg AGA 23590 1.32

Met AUG 41008 1.00 ACG 9841 0.42 AAG 62829 1.09 AGG 20077 1.12

Val GUU 23416 0.84 Ala GCU 37908 1.14 Asp GAU 48697 1.04 Gly GGU 21608 0.73

GUC 23301 0.84 GCC 48222 1.45 GAC 45212 0.96 GGC 37326 1.27

GUA 15751 0.57 GCA 33287 1.00 Glu GAA 64472 0.92 GGA 31743 1.08

GUG 48863 1.76 GCG 13375 0.40 GAG 75319 1.08 GGG 27003 0.92

1847815 codons in all\_hk\_gene(>=30 (used Universal Genetic code)