tRNA RT-qPCR Primer Sequences

Primer sequences used for tRNA RT-qPCR analysis. All DNA sequences are presented in the 5′ to 3′ direction.

tRNA RT-qPCR Primers

Amino acid	Primer name	DNA sequence 5′ → 3′
Ala	Ala_total_reverse	GCGCTCTCCCAGCTGAGCTATAGCCCC
	Ala_total_forward	GGTCAGCGGTTCGATCCCGC
Arg	ArgQZYV(ACG)_reverse	GAGTACTCTATCCAGCTGAGCTACGGATGC
	ArgQZYV(ACG)_forward	GGAGGTTCGAATCCTCCCGG
	ArgU(TCT)_reverse	CGTTGCTCTATCCAACTGAGCTAAGGGCGC
	ArgU(TCT)_forward	TCGTGGGCCGCAGGTTCGAA
	ArgW(CCT)_reverse	ATCCATTTAACTAAGAGGAC
	ArgW(CCT)_forward	CTAATTGCAGGTTCGATTCC
	ArgX(CCG)_reverse	CAGCGCTCTATCCAGCTGAGCTACGGGCGC
	ArgX(CCG)_forward	GGCAGAGGTCTCAGGTTCGA
Gly	GlyU(CCC)_reverse	GCTCTCGTTCTACCATTGAACTACGCCCGC
	GlyU(CCC)_forward	ACGAGGGTTCGATTCCCTTC
	GlyT(TCC)_reverse	AGCCATTATACGATGCCCGC
	GlyT(TCC)_foward	GATGCGGGTTCGATTCCCGC
	GlyVXYW(GCC)_reverse	GTCGTGCTCTACCAACTGAGCTATTCCCGC
	GlyVXYW(GCC)_foward	CGCGAGTTCGAGTCTCGTTT
Leu	LeuW(TAG)_reverse	CTGGTGCGTCTACCAATTTCGCCACTCCCG
	LeuW(TAG)_forward	GGTGTGCGAGTTCAAGTCTC
	LeuX(CAA)_reverse	AACTGCGTCTACCGATTTCGCCACTTCGGC
	LeuX(CAA)_forward	TCAACCGTAGAAATACGTGC

Amino acid	Primer name	DNA sequence 5′ → 3′
	LeuU(GAG)_reverse	GTAGCGTGTCTACCAATTCCACCACCTCGG
	LeuU(GAG)_forward	AATAGGGCTTACGGGTTCAA
	LeuTVQP(CAG)_reverse	CTAGCGCGTCTACCAATTCCGCCACCTTCG
	LeuTVQP(CAG)_forward	CTTACGGACGTGGGGGTTCA
	LeuZ(TAA)_reverse	TCCCTTGTGTCTACCGATTCCACCATCCGGG
	LeuZ(TAA)_forward	TTCGCGCTGTGCGGGTTCAA
Ser	SerU(CGA)_reverse	CGGTCCGTTCAGCCGCTCCGGCATCTCTCC
	SerU(CGA)_forward	GCAACTCTACCGGGGGTTCA
	SerT(TGA)_reverse	CGGTGCCTTCAACCGCTCGGCCACACTTCC
	SerT(TGA)_forward	AAAGGGTTCCAGAGTTCGAA
	SerV(GCT)_reverse	GGAGCGCCTTCAGCCTCTCGGCCACCTCACC
	SerV(GCT)_forward	TCAAAAGCTGCATCCGGGGT
	SerXW(GGA)_reverse	CGTGCTCCTTCAGCCACTCGGACACCTCACC
	SerXW(GGA)_forward	CAACGTATCGGGGGTTCGAA
Val	ValTUXYZ(TAC)_reverse	GAGGTGCTCTCCCAGCTGAGCTAATCACCC
	ValTUXYZ(TAC)_forward	AGGGGGTCGGCGGTTCGATC
	ValVW(GAC)_reverse	TGGTGCTCTAACCAACTGAGCTATGAACGC
	ValVW(GAC)_forward	GTGGGGGTCGTTGGTTCGAG
Pro	ProK(CGG)_reverse	AAGTGCGCTACCAGGCTGCGCCAATCACCG
	ProK(CGG)_forward	GGTTCGAATCCTCTATCACC
	ProM(TGG)_reverse	AGTTGCGCTACCAAGCTGCGCTACTCGCCG
	ProM(TGG)_forward	GAGGTTCGAATCCTCTCTCG
	ProL(GGG)_reverse	CGGTGCGCTACCAGGCTGCGCTACGTGCCG

Amino acid	Primer name	DNA sequence 5′ → 3′
	ProL(GGG)_forward	GGAGGTTCAAATCCTCTCGT
Thr	ThrU(TGT)_reverse	CTACCTACTGAGCTAAGTCG
	ThrU(TGT)_forward	AGTAGGTCACCAGTTCGATT
	ThrT(GGT)_reverse	AGGGTGCGCTCTACCAACTGAGCTATATCA
	ThrT(GGT)_forwrad	GGCAGTTCGAATCTGCCTAT
	ThrV(GGT)_reverse	AGGGTGCGCTCTACCAACTGAGCCATATCA
	ThrV(GGT)_forwrad	CCCAGTTCGACTCTGGGTAT
	ThrW(CGT)_reverse	TGCGCTGCTCTACCAACTGAGCTATATCGG
	ThrW(CGT)_forward	CGTAGGTTCGACTCCTATTA