

Cloning of archaeal leucyl-tRNA synthetases into plasmid pKQ

Organism	Accession number	ATCC Number	Forward Oligo	Reverse Oligo	Restriction enzymes
<i>Halobacterium sp. NRC-1</i>	NP_280869.1	700922	ca214	ca215	NcoI/EcoRI
<i>Escherichia coli</i> (strain HB101)	P07813	N/A	ca244	ca245	NcoI/EcoRI
<i>Methanococcus jannaschii</i>	Q58050	43067D	ca246	ca247	NcoI/KpnI
<i>Archaeoglobus fulgidus</i>	O30250	49558D	ca261	ca262	NcoI/KpnI
<i>Aeropyrum pernix K1</i>	Q9YD97	700793D	ca263	ca264	BspHI/EcoRI (subcloned into NcoI/EcoRI sites)
<i>Pyrococcus horikoshii</i>	O58698	700860	ca265	ca266	NcoI/EcoRV (subcloned into NcoI/PvuII sites)
<i>Methanobacterium thermoautotrophicum</i>	O27552	700791	ca274	ca275	BsmBI (subcloned into NcoI/EcoRI sites)

Oligo Sequences

ca214	GGTTCCATGGGAGAGCAAGCCACCTAC
ca215	GGTTTGAATTCAGTCGTGGCTTCGTCCG
ca244	CGAAACCATGGAAGAGCAATACCGCCCGGAAG
ca245	CCAAGAAATCCCGCCAACGACCAGATTGAGGAG
ca246	CGAAACCATGGTTATGATTGACTTTAAAG
ca247	CGAAAGGTACCTTGTTATTCAAAGATAAATAGCTGG
ca261	GCGAACCATGGCGGATTCAGGATAATTGAG
ca262	CAATTGGTACCTTAAGCAACATAAATCGCG
ca263	GGATTATCATGAAGCGACTAAAGCCCGTGGAGGAG
ca264	CACTTGAATTCTTAGCCCTCCTCTCTTCTCCGC
ca265	CGAATCCATGGCTGAGCTTAACTTCAAGG
ca266	GGATGGATATCACTCGATGAAGATGGCAG
ca274	GGAGACGTCTCTCATGGATATTGAAAAGAAAATGGCG
ca275	CGTTACGTCTCGAATTGGAAAAGAGCTGTCTGAGG