

Gene Target	Primer ID	Sequence
NRPS Condensation domain (NRPS)	PalA-NRPS_ 531F	5'-CGCCAAGTTGGATCGAGACT-3'
	PalA-NRPS_ 650R*	5'-GAGCGATTGGTGATTCCGGA-3'
Acyl transferase (AT) #	PalA-AT-1_624F	5'-CACCGCACTACCCCATGAAT-3'
	PalA-AT-1_743R*	5'-CAGACGGAACCTGAGTTCGT-3'
3'hydroxymethylglutaryl synthase (HCS)	PalA-HCS_989F	5'-ACTGGGTATTCGGCGTGAAG-3'
	PalA-HCS_1108R*	5'-GGTGCGTAACTACCATCGGG-3'

† GBlocks synthetic positive qPCR control sequence in which the NRPS positions 531-650 in the CDS are highlighted in yellow, luciferase positions 589-708 are highlighted in gray (not used in this study), AT1 positions 624-743 are highlighted in light blue and HCS are highlighted in green.

5'ATGTA CTTGGAATCCGACACTTTTTT **CGCCAAGTTGGATCGAGACTACTGGTTGCAGCGTTTCCCC**
AAGGGTTCCAGCCCGTGTTCCCGCGAATGGCGATATTAAGGACTCCGGCGGGGAGATGGAGCG
ATTGGTGATTCCGGATTTTTTTCGACCTTGAAGA AACTCGCTAAAAAATTGCGCGTTACCGTGCTGC
ACGGGCTGAGGCGGGCCTGGATCCGGTGGGAGGGTGTGTGACTCTCATGCTGCACACGTTTGTGG
ATCCCGATTTTTTTT **CACCGCACTACCCCATGAATCGACGACGCTAAAACAGATGTTGGCGCGGCAAA**
TTACGAGCCCGGTGCGATGGACAGAGACCATGCGCTGGCTGTTTCGGCAGACGGAACCTGAGTTCG
TTTTTTTACTGGGTATTCGGCGTGAAGGATCAGGAAGTGGACTTAGCTCCTTACCGAAACCTCTACG
ACCAAACCTTGGCGGGCCGTGGTTTGTGGTGTGAAAGGGGTGCGTAACTACCATCGGGAATATG
ACTGGAGTTGATAA 3'

* Reverse sequences are not reverse and complimented.

The acyltransferase domain targeted was the first of two domains in the putative *pal* BGC as oriented with 5' being the NRP at the beginning of the cluster.