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Supporting Information

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for

Organization of the Biosynthetic Gene Cluster and Tailoring Enzymes in the Biosynthesis of the Tetracyclic Quinone Glycoside Antibiotic Polyketomycin

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Oligonucleotides used in this study

Table S1. Oligonucleotides

Primer	Sequence (5´→ 3´)[a]	Restriction site
PKSII-for	TSGCSTGCTTCGAYGCSATC[b]	-------
PKSII-rev	TGGAANCCGCCGAABCCGCT[b]	-------
4,6-DH-for	CSGGSGSSGCSGGSTTCATSGG[b]	-------
4,6-DH-rev	GGGWRCTGGYRSGGSCCGTAGTTG[b]	-------
30-6D20-L-for	CTCATGCCTCTCCGATA	-------
30-6D20-L-rev	GCTGATCAACGGCCTGTTCTC	-------
30-6D20-R-for	GCAGGCAGCTTCGAGTT	-------
30-6D20-R-rev	TAGGCGCTGGAGAGCGAGGTA	-------
P7,3red-F	*ATGGCCCGAGACGTAGTGATAACGGGTGTCGGCGTC GTC*TGTAGGCTGGAGCTGCTTC[c]	-------
P7,3red-R	*GGGACGGGTGAGCACCATCGCGCTCTGGAAGCCGCC GAA*TCCGCTCCCTTCTCTGACG[c]	-------
F-pok20Red	*ATGGAAGAACACACTCGCACGGACGTCTGCGTCGTCG GT***GCTAGC**ATTCCGGGGATCCGTCGACC[c]	NheI
R-pok20Red	*ACTCTTTCTCGTTGACGGTGAAGAGGTTGTCGGCGAC GCG***GCTAGC**TGTAGGCTGGAGCTGCTTC[c]	NheI
F-pok28Red	*ATGGCAGTGACGAAAGGACCTCGCACTCCCCAGGTAC TC***GCTAGC**ATTCCGGGGATCCGTCGACC[c]	NheI
R-pok28Red	*GGGGACGGGCGAGCGGCAGCCGCCCGAGCGCGGTG GACAG***ACTAGT**TGTAGGCTGGAGCTGCTTC[c]	NheI
F-pok28komp	CAGTGC**GAATTC**CCTCACCCTTGC	EcoRI
R-pok28komp	TAGTGGACC**TCTAGA**GCCCTGTCC	XbaI

F-pok29Red	*ATGAACACCGACGTCGTCGTGGTCGGAGGGGGCCCG GTC***GCTAGC**ATTCCGGGGATCCGTCGACC[c]	NheI
R-pok29Red	*TGCCGGCCGTGTCGTCGTTGCGGGACAGGACCGTGC AGCC***ACTAGT**TGTAGGCTGGAGCTGCTTC[c]	SpeI
MD1-F	AGTCGGCGTC**GAATTC**CTTGATGTCGT	EcoRI
MD1-R	ACCAT**GAATTC**CGCCGAGCCCT	EcoRI
MT1-F	GACCTC**GAATTC**AAGTTGAAGG	EcoRI
MT1-R	CTTGC**TCTAGA**CTCTCCTTCTC	XbaI
MT2-F	GACGG**GAATTC**GCCGCTTCGAC	EcoRI
MT2-R	TGGGT**TCTAGA**GGTCCCGACC	XbaI
JG1-F	CATCG**TCTAGA**TGCGCCGCAGG	XbaI
JG1-R	ACGTT**GAATTC**GGCGAGCGCGT	EcoRI
JG2-F	TGCAC**GAATTC**CCGGACGAGA	EcoRI
JG2-R	CGCAG**AAGCTT**GAGCAGGTGCTG	HindIII
MT3-F	CGGTC**GAATTC**ATCGACGACG	EcoRI
MT3-R	GTCGG**TCTAGA**CGGAGTAGGTC	XbaI

[a] Artificially introduced restriction sites are bold. [b] Abbreviations according to standard IUPAC nomenclature for degenerate nucleotides. [c] The firstly non hybridizing part is italicized.