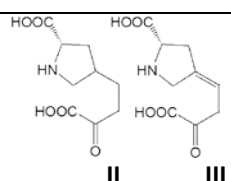
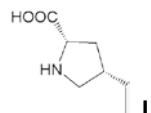


Table S1 Specification of new APD BGCs.

A. Putative PBDs				
	Organism	Apd1 accession	A-domain accession	Predicted APD
TOM	<i>Streptomyces bungoensis</i>	WP_061926485.1	WP_061926494.1	DH-EPL
	<i>Streptomyces phaeoluteigriseus</i>	OJT48496.1	OQD56811.1	DH-EPL
	<i>Streptomyces regensis</i>	KMS87272.1	KMS87275.1	DH-EPL
	<i>Streptomyces antibioticus</i> NRRL B-2032	WP_051816305.1	KOG74888.1	DH-EPL
	<i>Streptomyces purpureus</i>	WP_040875304.1	WP_019884141.1	DH-EPL
	<i>Streptomyces</i> sp. NRRL B-1140	WP_053671525.1	WP_053671522.1	DH-EPL
LIM	<i>Streptomyces sclerotialus</i>	WP_037773342.1	WP_037773348.1	DH-EPL
SIB	<i>Actinomadura echinospora</i>	SEG83572.1	SEG83667.1	DH-EPL
	<i>Streptomyces uncialis</i>	WP_073788394.1	WP_073789160.1	DH-PPL
	<i>Streptomyces</i> AmelKG-E11A	SCK10057.1	SCK09874.1	DH-PPL
	<i>Couchioplanes caeruleus</i>	WP_071803239.1	WP_071803261.1	DH-PPL
	<i>Micromonospora echinospora</i>	SCF40038.1	SCF39935.1	DH-PPL
	<i>Dermacoccus</i> sp. PE3	WP_052947174.1	WP_047312981.1	DH-EPL/8
	<i>Nocardiopsis prasina</i>	WP_017545372.1	WP_040694105.1	DH-PPL
ANT	<i>Actinokineospora enzanensis</i>	WP_018681043.1	WP_018681051.1	DH-PPL
	<i>Nocardia tenerifensis</i> I	WP_040743483.1	WP_040743488.1	DH-PPL
	<i>Nocardia brasiliensis</i>	WP_014985053.1	WP_014985045.1	DH-PPL
	<i>Nocardia vulneris</i>	WP_043667451.1	WP_043667671.1	DH-PPL
POR	<i>Amycolatopsis jejuensis</i>	WP_033289431.1	WP_033289433.1	DH-PPL
B. Putative non-PBD compounds				
1,2	<i>Streptomyces avermitilis</i>	WP_037650540.1	0/4	APD 2/3
	<i>Actinoplanes utahensis</i>	WP_043526719.1	0/6	
1,2,6	<i>Streptomyces</i> sp. W007	WP_007460155.1	EHM24066.1 /6	
	<i>Streptomyces avicenniae</i>	WP_052847609.1	0/0	
	<i>Amycolatopsis mediterranei</i>	YP_003767687.1	0/0	
	<i>Nocardia tenerifensis</i> II	WP_051187886.1	WP_051187885.1(1) /6	
	<i>Streptomyces</i> sp. NRRL B-1347	WP_051854982.1	WP_030677493.1 /5	
1,2,3,4	<i>Salinispora arenicola</i>	WP_051422804.1	?/?	APD 5
1,2,4,6	<i>Micromonospora chokoriensis</i>	WP_030487095.1	WP_036391166.1 /8	
	<i>Streptomyces mobaraensis</i>	WP_004940943.1	WP_040888422.1 (2)/6	
	<i>Streptomyces catenulae</i>	WP_030283633.1	WP_037678228.1 (2)/4	
1,2,4,5,6	<i>Streptomyces</i> sp. CNS654	WP_050486887.1	WP_050486890.1 (2)/4	EPL, DH-EPL
	<i>Streptomyces scabrissporus</i>	WP_020555671.1	WP_052174032.1 (2)/4	
	<i>Streptomyces</i> sp. NRRL WC-3742	WP_031068416.1	WP_051836849.1 (2)/4	
1,2,3,4,6	<i>Streptomyces antibioticus</i> DSM 40234	WP_059197633.1	KUN18767.1 (2)/3	DH-PPL _n
	<i>Amycolatopsis alba</i>	WP_039795848.1	0/3	
	<i>Kibdelosporangium</i> sp. MJ126-NF4	CTQ98696.1	0/1	

GenBank accession numbers of putative Apd1 and A-domain coding sequences used for the construction of phylogenetic trees in Fig. 9 and Fig. 10. The order of the A-domain used for the tree construction in respective NRPS protein chain (when applicable) is presented in brackets behind the A-domain accession number. Total number of A-domains identified in respective BGC is behind the slash. The question mark means that the length of available contig does not allow determining the presence/absence of the A-domain in the BGC with a sufficient certainty.