

<i>Bacteria with fully sequenced genomes containing LanB genes used for Figure 6.</i>	
Geobacillus thermodenitrificans NG80-2;	YP_001124395
Streptococcus pyogenes MGAS10750;	YP_602452
Streptococcus pyogenes MGAS9429;	YP_596657
Streptococcus pyogenes MGAS10270;	YP_598531
Streptococcus pyogenes MGAS6180;	YP_280252
Geobacillus sp. G11MC16;	ZP_03149197
Clostridium perfringens CPE str. F4969;	ZP_02640727
Bacillus clausii KSM-K16;	YP_177053
Geobacillus kaustophilus HTA426;	YP_146153
Anoxybacillus flavithermus WK1;	YP_002316782
Staphylococcus capitis SK14;	ZP_03613908
Streptococcus pneumoniae CGSP14;	YP_001834862
Streptomyces griseus subsp. griseus NBRC 13350;	YP_001827459
Streptococcus thermophilus LMG 18311;	YP_138642
Streptococcus thermophilus CNRZ1066;	YP_140529
Staphylococcus aureus subsp. aureus USA300_FPR3757;	YP_494457
Staphylococcus aureus subsp. aureus COL;	YP_186704
Staphylococcus aureus subsp. aureus MW2;	NP_646581
Staphylococcus aureus subsp. aureus MSSA476;	YP_043861
Streptomyces sp. Mg1;	ZP_04997226;
	ZP_05001469;
	ZP_04999931
Streptomyces coelicolor A3(2);	NP_630996;
	NP_624599
Microscilla marina ATCC 23134;	ZP_01693365;
	ZP_01690534;
	ZP_01689156;
	ZP_01694962
Frankia sp. Eu11c;	ZP_06240729
Frankia sp. EAN1pec;	YP_001505690;
	YP_001507128
Frankia sp. CcI3;	YP_482401;
	YP_480236;
	YP_480926;
	YP_481136
Kordia algicida OT-1;	ZP_02161440
Streptomyces clavuligerus ATCC 27064;	ZP_05005990;
	ZP_05003917
Pedobacter heparinus DSM 2366;	YP_003090841

*Other LanB genes used for Figure 6 that are from partially sequenced genomes and from bacteria producing known lantibiotics (shown in parentheses)*

Streptococcus pyogenes MGA2096;	YP_600477
Staphylococcus gallinarum 3928 (gallidermin)	GdmB ABC94903
Streptomyces noursei ATCC 11455;	AAX37279

Streptomyces ambofaciens ATCC 23877;	CAJ88053
Lactococcus lactis 6F3; (nisin)	NisB CAA48381
Streptococcus uberis strain 42; (nisin U)	NsuB ABA00879
Bacillus subtilis ATCC 6633; (subtilin)	SpaB AAB91586
Streptococcus mutans CH43/UA140; (mutacin I)	MutB AAG48566
Staphylococcus epidermidis; Tu 3298 (epidermin)	EpiB CAA44253;
Staphylococcus epidermidis strain 5	PepB CAA90025

*Bacteria with fully sequenced genomes containing LanM genes (known lantibiotics in parentheses)*

Anaerocellum thermophilum DSM 6725;	YP_002572981
Bacillus cereus ATCC 4342;	ZP_04287168;
	ZP_04287189
Bacillus cereus Rock1-3;	ZP_04248715
Bacillus cereus Q1;	YP_002532646
Bacillus cereus F65185;	ZP_04206897;
	ZP_04204173
Bacillus cereus 172560W;	ZP_04309311
Bacillus cereus Rock3-29;	ZP_04231453
Bacillus cereus AH621;	ZP_04298130
Bacillus cereus AH1272;	ZP_04183889
Bacillus licheniformis ATCC 14580/DSM-13; (lichenicidin)	YP_093632;
	YP_081203;
	YP_081205
Herpetosiphon tiacus ATCC 23779;	YP_001544639;
	YP_001546502
Bacillus halodurans C-125; (haloduracin)	NP_241321;
	NP_241318
Enterococcus faecalis ATCC 4200;	ZP_05474920
Geobacillus sp. G11MC16;	ZP_03149642
Cyanothece sp. PCC 7425;	YP_002485891;
	YP_002483742;
	YP_002484655;
	YP_002483601
Cyanothece sp. PCC 8802;	YP_003137732
Cyanothece sp. PCC 8801;	YP_002372173
Microcoleus chthonoplastes PCC 7420;	ZP_05025883
Geobacillus thermodenitrificans NG80-2;	YP_001126159
Streptococcus pyogenes MGAS315;	NP_665455
Streptococcus pyogenes MGAS10750;	YP_603221
Nostoc punctiforme PCC 73102;	YP_001866693;
	YP_001869999;
	YP_001868329;
	YP_001866601
Nostoc sp. PCC 7120;	NP_486065
Anabaena variabilis ATCC 29413;	YP_320138
Streptococcus pneumoniae ATCC 700669;	YP_002511204
Streptococcus pneumoniae SP23-BS72;	ZP_01834975
Streptococcus pneumoniae R6;	NP_359359

Streptococcus pneumoniae CDC0288-04;	ZP_02716217
Streptococcus pneumoniae TIGR4;	NP_346378
Streptococcus pneumoniae ATCC 700669;	YP_002511832
Ruminococcus sp. 5_1_39B_FAA;	ZP_04857854
Ruminococcus flavefaciens FD-1;	ZP_06143781;
	ZP_06143782
Synechococcus sp. RS9916;	ZP_01470939
Myxococcus xanthus DK 1622;	YP_631068;
	YP_634512
Stigmatella aurantiaca DW4/3-1;	ZP_01460524
Staphylococcus warneri ISK-1; (nukacin ISK-1)	NP_940773
Streptococcus mutans NN2025	BAH87352;
Coxiella burnetii Dugway 5J108-111;	YP_001424603
Coxiella burnetii 'MSU Goat Q177';	ZP_01946732
Coxiella burnetii CbuG_Q212;	YP_002303280

*Other LanM genes used for Figure 6 that are from partially sequenced genomes or from bacterial strains producing known lantibiotics (given in parentheses)*

Streptomyces cinnamoneus;	CAD60521
Streptococcus macedonicus; (macedocin)	McdM ABI30229
Streptococcus mutans T8; (mutacin II)	MutM AAC38145;
Streptococcus mutans (mutacin K8)	MukM ABK59358;
Streptococcus mutans GS5 (Smb)	BAD72771
Streptococcus pneumoniae CDC1873-00;	CylM ZP_02709201
Streptococcus ratti; (BHT)	BhtM1 AAZ76597
Streptococcus pyogenes FF22; (Streptococcin A-FF22)	ScnM AAB92602
Bacillus sp. HIL-Y85/54728; (mersacidin)	MrsM CAB60261
Lactococcus lactis subsp. lactis C2102; (lacticin 481)	LctM P37609
Ruminococcus gnavus E1 (ruminococcin)	RumM CAB93674;
	AAK73192
Streptococcus salivarius K12; (salivaricins)	SivM ABI54435;
	SivM ACX68644;
	SboM ABI63640;
	SalM ABI63629

*Bacterial strains containing LanL genes*

Streptomyces clavuligerus ATCC 27064;	YP_002193147
Saccharopolyspora erythraea NRRL 2338;	YP_001106221;
	YP_001106807
Streptomyces griseus subsp. griseus NBRC 13350;	YP_001821664
Catenulispora acidiphila DSM 44928;	ZP_04369540
Stackebrandtia nassauensis DSM 44728;	ZP_04482848
Thermomonospora curvata DSM 43183;	ZP_04030721
Streptococcus pneumoniae CDC1087-00;	ZP_02710581
Streptomyces griseochromogenes (partial genome sequenced)	AAP03109