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PLOS ONE

Correction

Correction: Improved Lanthipeptide Detection and Prediction for antiSMASH

The *PLOS ONE* Staff

A column is missing from Table 1 and two of the references contained in the corrected Table 1 do not appear in the published article. Please see the complete, corrected Table 1 here.

Table 1. Lanthipeptide-related HMM profiles and scores.

Name	Description	Cutoff	File	Reference
LANC_like	LanC-like lantibiotics biosynthesis protein	17	LANC_like.hmm	11
DUF4136	Lantibiotic-associated domain	150	PF13675.hmm	11
Lant_dehyd_N	Lantibiotic dehydratase, N-terminus	20	Lant_dehyd_N.hmm	11
Lant_dehyd_C	Lantibiotic dehydratase, C-terminus	20	Lant_dehyd_C.hmm	11
Flavoprotein	Lantibiotic aminovinyl flavoprotein	20	PF0241.hmm	11
Trp_halogenase	Tryptophan halogenase	20	PF04820.hmm	11
p450	P450 oxygenase	60	PF00067.hmm	11
Pkinase	Protein kinase domain	30	PF00069.hmm	11
adh_short	Short-chain dehydrogenase	100	PF00106.hmm	11
adh_short_C2	Short-chain dehydrogenase, C-terminus	100	PF13661.hmm	11
Antimicr18	Lantibiotic antimicrobial peptide 18	20	Antimicrobial18.hmm	11
Gallidermin	Gallidermin	20	Gallidermin.hmm	11
L_biotic_A	Lantibiotic, type A	20	L_biotic_typeA.hmm	11
TIGR03731	Lantibiotic, gallidermin/nisin family	18	TIGR03731.hmm	35
leader_d	Lantibiotic leader lacticin 481 group	20	LE-LAC481.hmm	36
leader_eh	Lantibiotic leader mersacidin cinnamycin group	20	LE-MER+2PEP.hmm	36
leader_abc	Lantibiotic leader LanBC modified	20	LE-LanBC.hmm	36
mature_d	Lantibiotic peptide lacticin 481 group	20	MA-LAC481.hmm	36
mature_ab	Lantibiotic peptide nisin epidermin group	20	MA-NIS+EPI.hmm	36
mature_a	Lantibiotic peptide nisin group	20	MA-NIS.hmm	36
mature_b	Lantibiotic peptide epidermin group	20	MA-EPI.hmm	36
mature_ha	Lantibiotic peptide two component alpha	20	MA-2PEPA.hmm	36
mature_h_beta	Lantibiotic peptide two component beta	20	MA-2PEPB.hmm	36
lacticin_l	lantibiotic leader lacticin 481 group (according to Dufour et al., FEMS Microbiol Rev. 31(2): 134-67)	20	LE-DUF.hmm	36
lacticin_mat	lantibiotic peptide lacticin 481 group (according to Dufour et al., FEMS Microbiol Rev. 31(2): 134-67)	20	MA-DUF.hmm	36
LD_lanti_pre	FxLD family lanthipeptide	20	TIGR04363.hmm	35
strep_PEQAXS	*Streptomyces* PEQAXS motif lanthipeptide	20	strep_PEQAXS.hmm	10

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Please see the additional references here.

35. Haft DH, Selengut JD, Richter RA, Harkins D, Basu MK, et al. (2013) TIGRFAMs and Genome Properties in 2013. Nucleic Acids Res 41: D387-395.
36. de Jong A, van Heel AJ, Kok J, Kuipers OP (2010) BAGEL2: mining for bacteriocins in genomic data. Nucleic Acids Res 38: W647-651.

Reference

1. Blin K, Kazempour D, Wohlleben W, Weber T (2014) Improved Lanthipeptide Detection and Prediction for antiSMASH. PLoS ONE 9(2): e89420. doi:10.1371/journal.pone.0089420

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