

SUPPLEMENTAL DATA FOR

Evolutionary Relationships of Microbial Aromatic Prenyltransferases

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Table S1: Proteins included in this study

Name	organism	NCBI Accession	Reference for biochemical data
NphB/CloQ family (phenol/phenazine prenyltransferases)			
CloQ*	<i>Streptomyces roseochromogenes subsp. oscitans</i>	AAN65239	[1]
Fnq26*	<i>Streptomyces cinnamonensis</i>	CAL34104	[2]
Fur7*	<i>Streptomyces</i> sp. KO-3988	BAE78975	[3]
NphB*	<i>Streptomyces</i> sp. Strain CI190	1ZB6_A	[4]
NovQ*	<i>Streptomyces niveus</i> DSM 40088	AAF67510	[5]
EpzP*	<i>Streptomyces cinnamonensis</i>	ADQ43372	[6]
PpzP*	<i>Streptomyces anulatus</i>	CAX48655	[7]
Ptf _{At} *	<i>Aspergillus terreus</i> NIH2624	EAU39467	[8]
Ptf _{Bf} *	<i>Botryotinia fuckeliana</i> B05.10	EDN25735	
Ptf _{Ss} *	<i>Sclerotinia sclerotiorum</i> 1980	EDN93598	
SCO7190*	<i>Streptomyces coelicolor</i> A3(2)	NP_631248	[9]
DMATS/CymD family			
a) fungal indole prenyltransferases			
DmaW-Cp*	<i>Claviceps purpurea</i>	Q6X2E0	[10]
DmaW-Cs*	<i>Clavicipitaceae</i> sp. US2005a	AAZ29613	[11]
DmaW-Cf*	<i>Claviceps fusiformis</i>	AAC18893	[12]
DmaW-Lp1*	<i>Epichloe typhina</i> x <i>Neotyphodium lolii</i>	AAP81206	
FgaPT1*	<i>Aspergillus fumigatus</i> Af293	XP_756136	[13]
FgaPT2*	<i>Aspergillus fumigatus</i>	AAX08549/ 3I4Z_A	[14]
FtmPT1*	<i>Aspergillus fumigatus</i>	AAX56314/ 3O2K_A	[15]
FtmPT2*	<i>Aspergillus fumigatus</i>	ACF22981	[16]
CdpNPT*	<i>Aspergillus fumigatus</i>	ABR14712	[17]
AnaPT*	<i>Neosartorya fischeri</i> NRRL 181	EAW16181	[18]
7-DMATS*	<i>Aspergillus fumigatus</i>	ABS89001	[19]
TdiB*	<i>Emericella nidulans</i>	ABU51603	[20]
MaPT*	<i>Malbranchea aurantiaca</i> RRC1813	ABZ80612	[21]
NotC*	<i>Aspergillus</i> sp. MF297-2	ADM34131	[22]
NotF*	<i>Aspergillus</i> sp. MF297-2	ADM34132	
CpaD_Ao*	<i>Aspergillus oryzae</i> RIB40	XP_001821505	[23]
CpaD_Af*	<i>Aspergillus flavus</i> NRRL3357	XP_002379958	

XptA*	<i>Aspergillus nidulans</i> FGSC A4	XP_664388	[24]
XptB*		see reference	
SirD*	<i>Leptosphaeria maculans</i>	AAS92554	[25]
VrtC*	<i>Penicillium aethiopicum</i>	ADI24928	[26]
DMATS/CymD family			
b) bacterial indole prenyltransferases			
IptA* = 6-dimethylallyl-tryptophan synthase	<i>Streptomyces</i> sp. SN-593	BAJ07990	[27]
CymD* = Sare_4565	<i>Salinispora arenicola</i> CNS-205	YP_001539324	[28]
LtxC*	<i>Lyngbya majuscula</i>	AAT12285	[29]
SCO7467*	<i>Streptomyces coelicolor</i> A3(2)	NP_631515	--
Prenyltransferases of lipoquinone biosynthesis			
UbiA	<i>Escherichia coli</i> str. K-12 substr. W3110	AP_004541	[30]
MenA	<i>Escherichia coli</i>	AAB01207	[31]
Slr1736	<i>Synechocystis</i> sp. PCC 6803	BAA17774	[32]
UbiA	<i>Salinispora tropica</i> CNB-440	YP_001160901	--
UbiA	<i>Salinispora tropica</i> CNB-440	YP_001161073	--
UbiA	<i>Catenulispora acidiphila</i> DSM 44928	YP_003118736	--
UbiA	<i>Catenulispora acidiphila</i> DSM 44928	YP_003112865	--
UbiA	<i>Catenulispora acidiphila</i> DSM 44928	YP_003115669	--
UbiA	<i>Catenulispora acidiphila</i> DSM 44928	YP_003116365	--

* Used in HHpred analysis (Figure 3)

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