

Peptaibol Subfamily Classification

J.K.Chugh & B.A.Wallace, Biochem. Soc. Trans. (2001) 29 565-570

Trichosporin_TSB1a1	UAGUAUQULAA-VA-PVUV-QQF
Trichosporin_TSB1a2	UAGAUUQULAA-VA-PVUV-QQF
Trichosporin_TSB1h	UAGAUUQULUG-LU-PVUV-QQF
Trichosporin_TSB1b	UAGAUUQULUG-LA-PVUA-QQF
Trichosporin_TSB1g	UAGAUUQULUG-LA-PVUU-QQF
Trichosporin_TSB1e	UAGAUUQULUG-LU-PVUU-QQF
Trichosporin_TSB1d	UASAUUQULUG-LA-PVUU-QQF
Trichosporin_TSB1f	UASAUUQULUG-LU-PVUU-QQF
Trichosporin_TSB1a	UASAUUQULUG-LU-PVUU-QQF
Alamethicin_F30	-UPUAUAQUVUG-LU-PVUU-EQF
Alamethicin_II	-UPUAUUQUVUG-LU-PVUU-EQF
Polysporin_A	-UPUAUUQUVUG-VU-PVUU-QQF
Polysporin_B	-UPUAUUQUVUG-LU-PVUU-QQF
Polysporin_C	-UPUAUUQUIUG-LU-PVUU-QQF
Polysporin_D	-UPUAUUQUIUG-LU-PVUV-QQF
Atroviridin_B	-UPUAUAQUVUG-LU-PVUJ-QQF
Atroviridin_C	-UPUAUUQUVUG-LU-PVUJ-QQF
Alamethicin_F50	-UPUAUAQUVUG-LU-PVUU-QQF
Atroviridin_A	-UPUAUAQUVUG-LU-PVUU-QQF
Trichocellin_TCBI	-UAUAUAQULUG-U-UPVUU-EQF
Trichocellin_TCBII	-UAUAUAQULUG-U-UPVUJ-EQF
Paracelsin_B	-UAUAUAQULUG-U-UPVUU-QQF
Saturnisporin_SA_I	-UAUAUAQULUG-U-UPVUU-QQF
Trichocellin_TCAI	-UAUAUAQULUG-U-UPVUU-QQF
Paracelsin_E	-UAUAUAQULUG-U-APVUU-QQF
Paracelsin_D	-UAUAUUQULUG-U-UPVUU-QQF
Saturnisporin_SA_III	-UAUAUUQULUG-U-UPVUU-QQF
Saturnisporin_SA_II	-UAUAUAQULUG-U-UPVUJ-QQF
Trichocellin_TCAII	-UAUAUAQULUG-U-UPVUJ-QQF
Saturnisporin_SA_IV	-UAUAUUQULUG-U-UPVUJ-QQF
Trichocellin_TCAIV	-UAUAUAQUIUG-U-UPVUJ-QQF
Trichocellin_TCAIII	-UAUAUAQUIUG-U-UPVUU-QQF
Paracelsin_A	-UAUAUAQUVUG-U-UPVUU-QQF
Paracelsin_C	-UAUAUUQUVUG-U-UPVUU-QQF
Suzukacillin	-UAUAUAQUUUG-LU-PVUU-QQF
Trichocellin_TCAV	-UAUAUAQULUG-LU-PVUU-QQF
Trichocellin_TCAVII	-UAUAUAQUIUG-LU-PVUU-QQF
Trichosporin_TSBVIa	-UAUAUUQUIUG-LU-PVUU-QQF

Trichokonin_IIb	-AAUUAUQUVUG-LU-PVUU-QQF
Trichokonin_VI	-UAUUAUQUVUG-LU-PVUU-QQF
Longibrachin_A_I	-UAUUAUQUVUG-LU-PVUU-QQF
Trichokonin_Ia	-UAUUAUQUVUG-LA-PVUU-QQF
Trichokonin_IIa	-UAUUAUQUVUG-LU-PAUU-QQF
Trichokonin_Ib	-UGUAUAQUVUG-LU-PVUU-QQF
Trichokonin_IIc	-UAAAUAQUVUG-LU-PVUU-QQF
Longibrachin_A_II	-UAUUAUQUVUG-LU-PVUJ-QQF
Trichokonin_VII	-UAUUAUQUVUG-LU-PVUJ-QQF
Trichokonin_IJ	-UAUUAUQUVUG-LU-PVUJ-QQF
Trichocellin_TCAVI	-UAUUAUQULUG-LU-PVUJ-QQF
Trichocellin_TCAVIII	-UAUUAUQUIUG-LU-PVUJ-QQF
Longibrachin_B_II	-UAUUAUQUVUG-LU-PVUU-EQF
Longibrachin_B_III	-UAUUAUQUVUG-LU-PVUJ-EQF
Longibrachin_A_III	-UAUAUUQUVUG-LU-PVUU-QQF
Trichokonin_VIII	-UAUAUUQUVUG-LU-PVUU-QQF
Trichosporin_TSBIVc	-UAUAUUQUVUG-LU-PVUU-QQF
Longibrachin_A_IV	-UAUAUUQUVUG-LU-PVUJ-QQF
Trichokonin_V	-UAUAU-QUVUG-LU-PVUU-QQF
Trichosporin_TSBIIIc	-UAAAAUQUIUG-LU-PVUU-QQF
Trichosporin_TSBIIIb	-UAAAUUQUIUG-LU-PVUA-QQF
Trichosporin_TSBVIb	-UAAAUUQUIUG-LU-PVUJ-QQF
Trichosporin_TSBV	-UAAAUUQUIUG-LU-PVUU-QQF
Trichosporin_TSBIIIId	-UAAAUUQUVUG-LU-PVUU-QQF
Trichosporin_TSBIVb	-UAAAUUQULUG-LU-PVUJ-QQF
Trichosporin_TSBIVd	-UAAAUUQUVUG-LU-PVUJ-QQF
Trichosporin_TSBIIIa	-UAAAUUQULUG-LU-PVUU-QQF
Trichorzianine_TB_VIa	-UA-AUJQUUUS-LU-PLUI-QEF
Trichorzianine_TB_VII	-UA-AUJQUUUS-LU-PVUI-QEF
NA_VII	-UA-AUJQUUUS-LU-----
Trichorzianine_TB_IIa	-UA-AUUQUUUS-LU-PLUI-QEW
Trichorzianine_TB_Vb	-UA-AUUQUUUS-LU-PLUI-QEF
Trichorzianine_TB_IIIc	-UA-AUUQUUUS-LU-PVUI-QEW
Trichorzianine_TB_IVb	-UA-AUJQUUUS-LU-PVUI-QEW
Trichorzianine_TB_VIb	-UA-AUUQUUUS-LU-PVUI-QEF
Trichorzianine_TA_IIIc	-UA-AUUQUUUS-LU-PVUI-QQW

Boletusin	FUAUJL-QGU-U-AAUPUU--UQW
Peptaivirin_A	FUAUJL-QGU-U-AAUPJU--UQW
Chrysoespermin_C	FUSUJL-QGU-U-AAUPUU--UQW
Chrysoespermin_D	FUSUJL-QGU-U-AAUPJU--UQW
Chrysoespermin_A	FUSUUL-QGU-U-AAUPUU--UQW
Chrysoespermin_B	FUSUUL-QGU-U-AAUPJU--UQW
Peptaivirin_B	FUSUJL-QGU-U-AAUPJU--UQF
Trichorzin_PA_V	-USAJJ-QUVU--GLUPLU--UQW
Trichorzin_PA_VII	-USAJJ-QUVU--GLUPLU--UQW
Trichorzin_PA_IJ	-USAJJ-QUVU--GLUPLU--UQF
Trichorzin_PA_II	-USAUJ-QUVU--GLUPLU--UQW
Trichorzin_PA_IV	-USAUJ-QJVU--GLUPLU--UQW
Trichorzin_PA_VIII	-USAUJ-QJVU--GLUPLU--UQF
Trichorzin_PA_VI	-USAUJ-QUVU--GLUPLU--UQF
Trichorzin_PAU4	-USAUU-QUVU--GLUPLU--UQW
Trichokindin_IIB	-USAUJ-QJLU--AUUPLU--UQL
Trichokindin_IV	-USAUJ-QJLU--AUUPLU--UQI
Trichokindin_Ia	-USAUU-QJLU--AUUPLU--UQI
Trichokindin_IIIa	-USAUU-QJLU--AJUPLU--UQL
Trichokindin_Va	-USAUU-QJLU--AJUPLU--UQI
Trichokindin_VI	-USAUJ-QJLU--AJUPLU--UQL
Trichokindin_VII	-USAUJ-QJLU--AJUPLU--UQI
Trichokindin_IIIb	-USAUJ-QULU--AJUPLU--UQL
Trichokindin_Vb	-USAUJ-QULU--AJUPLU--UQI
Trichokindin_IIa	-USAUU-QULU--AJUPLU--UQI
Trichokindin_Ib	-USAUJ-QULU--AUUPLU--UQI
Trichorzin_MA_II	-USAUJ-QULU--GLUPLU--UQV
Trichorzin_MA_III	-USAUJ-QJLU--GLUPLU--UQV
Trichorzin_MA_I	-USAUU-QULU--GLUPLU--UQV
Hypomurocin_B_I	-USALU-QU-VU-GUUPLU--UQV
Hypomurocin_B_IIIb	-USALU-QJ-VU-GUUPLU--UQV
Hypomurocin_B_IIIa	-UAALU-QU-VU-GUUPLU--UQV
Hypomurocin_B_IV	-USALU-QU-VU-GJUPLU--UQV
Hypomurocin_B_V	-USALU-QU-VU-GJUPLU--UQL
Hypomurocin_B_II	-USALU-QU-VU-GUUPLU--UQL
Aibellin	-UAUAUAQUFUG-U-UPVUU-EE-
Hypelcin_A	-UPUAUUQ-LUG-UUUPVUU-QQL
Hypelcin_A_IV	-UPUAUUQUIUG-UU-PVUU-QQL
Hypelcin_A_I	-UPUAUUQULUG-U-UPVUU-QQL
Stilboflavin_B_7	-UPUAUUQULUG-U-UPVUU-QQL

Stilboflavin_B_8	-UPUAUUQUVUG--UUPVUU-QQL
Stilboflavin_B_6	-UPUAUUQUVUG-U-UPVUU-QQV
Stilboflavin_B_10	-UPUAUUQUVUG-U-UPVUU-QQI
Hypelcin_AV	-UPUAUUQULUG-U-UPVUU-QQI
Stilboflavin_B_9	-UPUAUUQULUG-U-UPVUU-QQI
Hypelcin_A_III	-UPUAUUQULUG-U-UPVUU-QQ-
Stilboflavin_B_5	-UPUAUUQULUG-U-UPVUU-QQV
Hypelcin_B_I	-UPUAUUQULUG-U-UPVUU-EQL
Hypelcin_B_III	-UPUAUUQULUG-U-UPVUJ-EQL
Hypelcin_B_V	-UPUAUUQULUG-U-UPVUU-EQI
Stilboflavin_A_7	-UPUAUUQULUG-U-UPVUU-EQI
Stilboflavin_A_5	-UPUAUUQULUG-U-UPVUU-EQV
Hypelcin_B_IV	-UPUAUUQU IUG-U-UPVUU-EQL
Stilboflavin_A_3	-UPUAUUQUVUG-U-APVUU-EQL
Hypelcin_B_II	-UPUAUAQULUG-U-UPVUU-EQL
Stilboflavin_A_4	-UPUAUAQULUG-U-UPVUU-EQL
Stilboflavin_A_2	-UPUAUAQULUG-U-UPVUU-EQV
Stilboflavin_A_6	-UPUAUAQULUG-U-UPVUU-EQJ
Stilboflavin_A_1	-UPUAUAQUVUG-U-UPVUU-EQV
Hypelcin_A_II	-UPUAUAQULUG-U-UPVUU-QQL
Stilboflavin_B_4	-UPUAUAQULUG-U-UPVUU-QQL
Hypelcin_AVIII	-UPUAUAQU IUG-U-UPVUU-QQL
Stilboflavin_B_3	-UPUAUAQUVUG-U-UPVUU-QQL
Hypelcin_AIII	-UPUAUUQULUG-U-UPVUJ-QQL
Hypelcin_AIJ	-UPUAUUQU IUG-U-UPVUJ-QQL
Hypelcin_AVII	-UPUAUAQULUG-U-UPVUJ-QQL
Hypelcin_AVI	-UPUAUAQULUG-U-UPVUU-QQI
Stilboflavin_B_2	-UPUAUAQULUG-U-UPVUU-QQV
Stilboflavin_B_1	-UPUAUAQUVUG-U-UPVUU-QQV
Tricholongin_BI	-UG-FUUQUUUS-LU-PVUU-QQL
Tricholongin_BII	-UG-FUUQUUUS-LU-PVUJ-QQL
Trikoningin_KA_V	-UG-AUIQUUUS-LU-PVUI-QQL
Trichotoxin_A40	-UGU-LUEUU-U-AUUPLU--JQV
Trichotoxin_A50_I	-UGU-LUQUU-U-AUUPLU--JQV
Trichotoxin_A50_J	-UAU-LUQUU-U-AUUPLU--JQV
Trichotoxin_A50_F	-UGU-LUQUU-A-AAUPLU--JQV
Trichotoxin_A50_G	-UGU-LUQUU-U-AAUPLU--JQV
Trichotoxin_A50_H	-UAU-LUQUU-U-AAUPLU--JQV
Trichotoxin_A50_E	-UGU-LUQUU-U-AAUPLU--UQV
Trichotoxin_A40_I	-UGU-LUQUU-A-AUUPLU--UEV

Trichorzin_HA_VI	-UGAUJ-QJ-VU-GLUPLU--JQL
Trichorzin_HA_VII	-UGAUJ-QV-VU-GLUPLU--JQL
Trichorzin_HA_V	-UGAUJ-QU-VU-GLUPLU--JQL
Trichorzin_HA_II	-UGAUU-QU-VU-GLUPLU--JQL
TrichovirinIIIA	-UGALU-QJ-VU-GUUPLU--UQL
TrichovirinIIB	-UGALU-QU-VU-GUUPLU--UQL
Trichorzin_HA_III	-UGAUJ-QU-VU-GLUPLU--UQL
Trichorzin_HA_I	-UGAUU-QU-VU-GLUPLU--UQL
TrichovirinV	-UGALU-QJ-VU-GJUPLU--UQL
TrichovirinVIb	-UGALJ-QJ-VU-GJUPLU--UQL
TrichovirinVIA	-UGALU-QJ-LU-GJUPLU--UQL
TrichovirinIb	-UGALU-QA-VU-GJUPLU--UQL
TrichovirinIVb	-UGALU-QU-VU-GJUPLU--UQL
TrichovirinIIa	-UGALA-QU-VU-GJUPLU--UQL
TrichovirinIIIb	-UGALJ-QJ-UU-GUUPLU--UQL
TrichovirinIVA	-UGALJ-QJ-VU-GUUPLU--UQL
TrichovirinIa	-UGALA-QVJVU-GUUPLU--UQL
TrichovirinIIc	-UGALU-QVJVU-GUUPLU--UQL

SF1

Emerimicin_III	FUUUVGLUUOQJOU-F
Samarosporin_II	FUUUVGLUUOQJOU-F
Stilbellin_II	FUUUVGLUUOQJOU-F
Emerimicin_IV	FUUUVGLUUOQJOA-F
Samarosporin_I	FUUUVGLUUOQJOA-F
Stilbellin_I	FUUUVGLUUOQJOA-F
Bergofungin_A	VUUUVGLUUOQJOU-F
Bergofungin_C	VUUUVGLUUOQUOU-F
Heptaibin	FUUUVGLUUOQUOU-F
Bergofungin_B	VUUUVGLVUOQUOU-F
Bergofungin_D	VUU-VGLUUOQUOU-F
Antiamoebin_I	FUUUJGLUUOQJOU PF
Antiamoebin_IV	FUUUJGLUUOQJOU PF
Antiamoebin_V	FUUUJALUUOQJOU PF
Antiamoebin_III	FUUUUGLUUOQJOU PF
Cephaibol_E	FUUUUGLUUOQJOU PF
Antiamoebin_XII	FUUUUGLAUOQJOU PF
Antiamoebin_XI	FUUUUALUUOQJOU PF
Cephaibol_A2	FUUUUALJUOQJOU PF
Antiamoebin_X	FUUUJGLJUOQUOU PF
Cephaibol_C	FUUUUGLJUOQUOU PF
Cephaibol_A	FUUUUGLJUOQJOU PF
Cephaibol_B	FUUUJGLJUOQJOU PF
Antiamoebin_VI	FAUJUGLUUOQJOU PF
Cephaibol_D	FUUUUGLUUOQUOU PF
Antiamoebin_VIII	FUUUJGLUUOQUOU PF
Antiamoebin_XIII	VUUUUGLUUOQJOU PF
Antiamoebin_XIV	VUUUVGLUUOQJOU PF
Antiamoebin_XV	LUUUUGLUUOQJOU PF
Antiamoebin_XVI	LUUUJGLUUOQJOU PF
Antiamoebin_VII	FAUJUGLUUOQJOU PF
Antiamoebin_IX	FUAUJGLUUOQJOU PF
Antiamoebin_II	FUUUJGLUUOQJOU PF

SF2

Emerimicin_II_A	W I Q I T U L U Q Q U O U P F
Zervamicin_ZIIA	W I Q J I T U L U Q Q U O U P F
Zervamicin_ZIB'	W I E U I T U L U Q Q U O U P F
Zervamicin_ZII3	W V Q U I T U L U Q Q U O U P F
Emerimicin_II_B	W I Q J I T U L U Q Q U O U P F
Zervamicin_ZIIB	W I Q J I T U L U Q Q U O U P F
Zervamicin_ZII5	W I Q J I T U V U Q Q U O U P F
Zervamicin_ZII2	W I Q U I T U V U Q Q U O U P F
Zervamicin_ZIII1	W I Q U V T U L U Q Q U O U P F
Zervamicin_ZIA	W I E J V T U L U Q Q U O U P F
Zervamicin_ZII4	W I Q J V T U L U Q Q U O U P F
Zervamicin_ZIB	W V E J I T U L U Q Q U O U P F
Zervamicin_ZIC	W I E J I T U L U Q Q U O U P F
Leul_Zervamicin	L I Q J I T U L U Q Q U O U P F
Zervamicin_A116	W I A U I V U L U P A U P U P F
Cephaibol_P	F J Q U I T U L U Q Q U O U P F S
Cephaibol_Q	F J Q U I T U L U P Q U O U P F S
XR586	W J Q U I T U L U P Q U O J P E G

SF3

Harzianin_HC_I	UNL- UPS V UP UL UPL
Harzianin_HC_XI	UNL- UPS I UP UL UPL
Harzianin_HC_III	UNL- UPS V UP JL UPL
Harzianin_HC_XII	UNL- UPS I UP JL UPL
Harzianin_PCU4	UNL- UPS I UP UL UPV
Harzianin_HC_IX	UNL- UPAI UP JL UPL
Harzianin_HC_XIV	UNL- UPAI UP UL UPL
Harzianin_HC_VI	UNL- UPAV UP UL UPL
Harzianin_HC_VIII	UNL- UPAV UP JL UPL
Harzianin_HC_XIII	UQL - UPS I UP JL UPL
Harzianin_HC_XV	UQL - UPAI UP JL UPL
Harzianin_HC_X	UQL - UPAV UP JL UPL
Pseudokinin_KLVI	UNII UPLV -----
Trichorovin_TV_IVc	UNVL UPL LL UPL
Trichorovin_TV_Va	UNVL UPL LL UPL
Trichorovin_TV_VIa	UNVL UPL LL UPL
Trichorovin_TV_Ia	UNVL UPL LL UPV
Trichorovin_TV_IIIb	UQV L UPL LL UPV
Trichorovin_TV_VIIb	UQV L UPL LL UPV
Trichorovin_TV_IXa	UQV L UPL LL UPL
Trichorovin_TV_VIII	UQV L UPL LL UPL
Trichorovin_TV_XIII	UQL LL UPL LL UPL
Trichorovin_TV_XIV	UQL LL UPL LL UPL
Trichorovin_TV_IXb	UQL LL UPL LL UPV
Trichorovin_TV_IXb	UQL LL UPL LL UPV
Trichorovin_TV_Vb	UNLL UPL LL UPV
Trichorovin_TV_VIb	UNLL UPL LL UPV
Trichorovin_TV_Xb	UNLL UPL LL UPL
Trichorovin_TV_XIIb	UNLL UPL LL UPL
Trichorovin_TV_XI	UNLL UPL LL UPL
Trichorovin_TV_Ib	UNVV UPL LL UPL
Trichorovin_TV_IIa	UNVV UPL LL UPL
Trichorovin_TV_IIIa	UQV V UPL LL UPL
Trichorovin_TV_IVa	UQV V UPL LL UPL
Trichorovin_TV_IIb	UNLV UPL LL UPV
Trichorovin_TV_VIIa	UNLV UPL LL UPL
Trichorovin_TV_IVb	UQL V UPL LL UPV
Trichorovin_TV_Xa	UQL V UPL LL UPL
Harzianin_HB_I	UNLI UP JL UPL
Pseudokinin_KLIII	UNII UPL LL UP -
Trichorovin_TV_XIIa	UNII UPL LL UPI
Harzianin_HK_VI	UNII UPL LL UPL

SF4

Trichogin_A_IV	UGLUGGLUGIL
Trikoningin_KB_I	UGVUGGVUGIL
Trikoningin_KB_II	JGVUGGVUGIL
Trichodecenin_TD_II	----GGLUGLL
Trichodecenin_TD_I	----GGLUGIL

SF5

Ampullosporin_C	WAUULUQUAUQ-LUQL
Ampullosporin_E2	WAUULUQUAAQ-LUQL
Ampullosporin_D	WAUULUQUUAQ-LUQL
Ampullosporin	WAUULUQUUUQ-LUQL
Ampullosporin_B	WAUULUQAUUQ-LUQL
Ampullosporin_E4	WAUULUQAAUQ-LUQL
Ampullosporin_E1	WAUULUQAUUQ-LAQL
Ampullosporin_E3	WAUULUQUUAQ-LAQL
Tylopeptin_A	WVUJA-QAUSUALUQL
Tylopeptin_B	WVUUA-QAUSUALUQL

SF6

LP237_F5	UPYUQQUZQAL
LP237_F8	UPFUQQUZQAL
LP237_F7	UPFUQQUUQAL

SF7

Clonostachin	UOLJOLJOUJUUJI
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SF8

Peptaibolin	-LUL-UF
Helioferin_A	-AUIIUU
Helioferin_B	-AUIIUU
Trichopolyn_I	AUIIAUU
Trichopolyn_V	AUIIAUU
Trichopolyn_II	AUUVUU
Trichopolyn_III	AUIIAUA
Trichopolyn_IV	AUUVUA

SF9