

| | <u>2ndTMD</u> | <u>predicted α-helical region</u> | <u>3rd TMD</u> | | | | |
|---|--------------------------|---|---------------------------|------------------------|------------------|-----------|-----|
| <i>Streptomyces coelicolor</i> | 115 | GAVHWARTLMSDEEVADERHP | IEASPEVR | AKVHADFKQGAKESVIGRRKLI | RNTMLGALT | 174 | |
| <i>Streptomyces sp.</i> | 102 | GVILYTKKFVPHEVAVQQRSDG | PSAEVDRATIL | AHLADAGTRNGIARRSLIKRT | AGAGAG | 161 | |
| <i>Mycobacterium tuberculosis</i> | 153 | GAVLYQKRFIPEEISIQERHD | GASREIDRKT | VVANLTDAFEGSTIRRRKLI | GLSFGVGMG | 212 | |
| <i>Corynebacterium glutamicum</i> | 113 | AVVLYVKKFIPEEIAVQRRHD | GDPSEEVDRRTI | VALLNDSWQSTLGRKKLI | MGLAGGGAV | 172 | |
| <i>Corynebacterium diphtheriae</i> | 113 | GVIFYIKKIIIPSEISVQRRHD | GDPSEEDRRTI | TALLNDSWETSTLGRKKVL | KSMLGIGGV | 172 | |
| <i>Gordonia malaquae</i> | 113 | GVIQISKRFIPQEISVQDRHD | GSGTEVDKQTI | VAELSDLTQSTLPRRKMI | IGSAVFGVG | 172 | |
| <i>Rhodococcus erythropolis</i> | 97 | GAVQFTKKFIPEEVSQDRHD | GSGTEVDRRTI | VAELGDTLETSTLPRRKAI | KRSLMFGGG | 156 | |
| <i>Dietzia cinnamea</i> | 113 | GAVQFTKKFVPEEISVQTRHD | GVSDVDRRTI | VAELNDSWKTSTIGRRKVM | GGFLGAGVG | 172 | |
| <i>Salinispora tropica</i> | 113 | GILTWGKKLLPKEVSVQDRHE | GAVNERDRTI | TAQTMLYMADELGVKRRPLL | GVSLLAGLA | 172 | |
| <i>Stackebrandtia nassauensis</i> | 113 | GILTWAKKLLPKEELVQDRHD | GSGSEEDRKIT | GATVSNVDETGIKRRPML | KRALLFGSA | 172 | |
| <i>Verrucosipora maris</i> | 111 | GILTWGKKLLPKEVSIQDRHE | GAVSADDQRTI | TGQTMAYMADELGVKRRPLL | GVSLLAGLA | 170 | |
| <i>Blastococcus saxosidens</i> | 133 | GLVLYTKKLLPHETAVQDKHDG | --SHFDRVTTG | ATLVGGYHNSGLPRRKLI | TRSLGFMGA | 190 | |
| <i>Acidothermus cellulolyticus</i> | 93 | GLIGWVRWLMPAHETVEERH | SLASPERDVAAA | ADIVMTGFRETGLPRRSL | LKRTLGLAAG | 152 | |
| <i>Kineococcus radiotolerans</i> | 107 | GAVHWAKTLMPPDDERIDYRHR | QRGTTAERAEAVAIL | KEGAAEAGLGRRPLIR | NTLIGALA | 166 | |
| <i>Propionibacterium acnes</i> | 95 | ACIHWAKQIMGDEEI | IQERHPVNSDAT | RKEFAKQWRI | GAEQSGLSRRKLI | GGALGGAIG | 154 |
| <i>Brachybacterium muris</i> | 111 | AAVHWAKTLMPPDDEVVEERH | PIRSTDES | RGAAVDIITGGLDESGI | GRRPLIVTSMVA | ALA | 170 |
| <i>Actinokineospora spheciospongiae</i> | 115 | AALLYTKKFIPHEVAVQQRHE | GSGTEVDKATFA | AHLADAGVRSTIGRRSLI | KRTAGLGAG | 174 | |
| <i>Kibdelosporangium sp.</i> | 114 | GVVMYAKKFLPHEVAVQQRH | GGRSSELD | RQTFVAHLSDAGDRSTI | ARRSIIKRSALFGAG | 173 | |
| <i>Pseudonocardia dioxanivorans</i> | 119 | GVISYVKKFFPSEVSVQQRHD | GPSDEVARRTVMAQ | LAAAGKDTT | IARRTVIKRSAGAAAG | 178 | |