

BepA 310 LIPKETLVPLTKLEIAEMVAEDAFVHTCRDQICSLSKIIVYGSQGVNKNIEEI-----IKNPSKGOQLATQIERTPYSVHSLAGFDLICFKTGARVRAEKHVALISCAVANFTHAVKHARQEIITKEHQAEQNRLRQEVPMPS 446
 BepB 308 LIPKETLAPLTKSECARTVAQTSHVLTAQKKVRQHSKIIVYGNANTINEQIEEI-----TKNPELGQLLADQIRQTPHSLSPLAGFSLCGLQNPANARNHLDAEATTVANVAHIVEHTYHVITQKHQIEQERLGKTVEKPS 444
 BepC 298 LIPKETLPPLTNEELAKRFTDNCGVESYRQEVVHLSKPIVYGKSQAENEMIESI-----NIDPSLGAEFADQIAQNPKSFCCLAGRKILGIRSPSRRAEEAVPQCEALKSYADMAQHTMENLIEQHOREQRRIASVVEKPG 434
 BepD 360 PGRATSPPRSPKDEVTSKLLKHTDFQHGVEVQEWCKIIVYGNQYANKNKLCKI-----LENPKAGDTILWDLAADPESAGKLAGQKILGIKSPDRKQAEEGFGSLCAAFERHVAITQKLHKDFTLEQEKORGHRETSPERQ 496
 BepE 132 VAMQSTIPSLTREEIADRMQHNPLVQAYQQEVMHWCKIIVYGNSDVYKEKMQEV-----LQKPESEGEDLSRQVAENPTSVHKLAGRNLCGLKTNARQAEEGFMHLCQALDGYTSAVTQAEENIKHVPOAEARRYGOESEORA 266
 BepE 276 RHPERERQSLSNQELLGMVQENASIQRYQAQVEHWCKIIVYGNSSVYKEKMEGI-----LQDLSEGEELSWQVAAYPQSVHKLAGHNVCGLKTSARRHAEESGLSHLCDAIDNYTDAVRQIKESITRGRQAQTRQNRQEQSVGV 411
 BepF 298 ATAAPSQSPRMEEKSVNTMQRNLLLEAYKEEIKYWGGIIVYGDRLIQKRIEEI-----QENPALGEQLSWEVSEHPKSIKSLAGKKMLGVTKARRKAEENYLAARDTINSYVYTLKYSQOKPLHAPHTETTRDEQOTHRTQ 434
 BepF 435 SAEKE-RAPLSNQEELADRI RTEPSVLYSQTEVQYWSKIIVFGNPYDIQYRIEDI-----QKNPDMGEEFSWQVANNPSLFSPLAGKRILGIKNDARRHAEASLSQCSAIEGYADAVKQAKEDIVQYQVQSSRQELSTEPAK 57C
 BepF 650 TPEKE-KTPLSHKEIASRVQNDLSVQRAQIEIYNWCNIVYNNPLVQHTTEDI-----KKIPELGEELSWQVANFSTIFAPLAGQVVLGIKNNARKHAEAAIPSLCTAIDHYTEIVKQVREDIVKNHQEQSPKKDKNVKROQ 785
 BepG 13 SASVTQMASLSNEEIFNRVQRDPLVQSCEEEIQYWCKIIVFGNAYVQYRIEDM-----QKIPEIGEELSWQISENPHFFHKLAGSOTLGIKNSARKHAEAGISSLCNAIETYADTVKQVRKSIVOAHQAQONRQELSSB-PS 145
 BepG 271 LIEKETIPSLTNEEVASKIRESEVVKSSMOKIKTLQGVVYGNPHIDEGKMPKMGIPVTNRNVEELEK FARQVGSFPSSFGRVAGFSFLGIKSGARAHAEENFLPLSHAI VSYTHNVKQAEKDILEAHSGKQERYAQS VETPS 412
 BepG 429 LIEKEIIPPLSYVDVASKIRESEVVKSSKQKIETLCSVVYGNPRIDEDKMPKMGIPVTNKNVEELEK FARQVGNFPSSCGKIVGFNFLGIKSEARAHAEENFLPLSHAI FSYAHSVKQAEKDILEAYFKEQERCAQS VETPS 57C
 BepG 723 LIEKEIIPPLSYVDVASKIRESEVVKSSMOKIKTLQSVVYGNPDIDEGKMPKMGIPVTNKNVEELEK FARQVGNFPSSCGKIVGFSFLGIKSEARAHAEENFLPLSHAI FSYAHSVKQAEKDILEAYFKEQERCAQS VETPS 864

Consensus lipketlpPLtneEiasrvqenplVqsyqqEvqhWCKIIVYGNpyvLnkieeI-----lknPslGEeLswQvaenPkSfhKLAGkklLGIKtpARrhAEegfssLCdAiesYadaVqqaRedItqahqaegrRqeqsvekps