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                                 10        20        30        40        50        60        70        80        90       100
Vibrio_cholerae                1 MICASFRNHIARLGILSALLSGAAIAETPPSPTHAWFRTTPLQSSYQLLVEGHPTQAWHELIHTL--STTPVAEPFWQPIKEAILSQTQCGQALPSASL-NDL
Vibrio_vulnificus              1 MICASFRNHIVRLSMLSALVSGAALAETPPSPTHPWFRATPLQSSYQRLVEGHPTQAWHELIHTL--STTPVAEDFWRPIKEAILSQTQCGQALPSTSP-NDL
Photobacterium_profundum       1 ---------------LVSLLLSCLFINPITHAKADNWFADTPLQSSYSALSADQTLLAWQELQLSL--SQNQINEHYWQPIKDAVLSKTQCGKQLIS-SVSLPA
Vibrio_coralliilyticus         1 ----------------LLSALACLI---FPLSTQANWFEDTPLARTYQALLNNQPQLAWQELHLAL--NQQDIDRQYWLPVKQEILNQSQCGQRLVANSSSLPA
Chromobacterium_violaceum      1 ----------------------------------------------EPAYHALLSGDRAGAWRQLDALGAAMSSAAQRQAWLTLQRE-LASGQCGRDAPAAPPAWLG

Consensus
                                 MICASFRNHI+RL++LSALLS++AIAETPPSPTHNWFRDTPLQSSYQAL+EG+PT+AW+ELI+TLAAS+TP+AEQ+W+PIKEAILSQTQCGQALPSASPS+++

                                110       120       130       140       150       160       170       180       190       200
Vibrio_cholerae              101 AIAVTFIHKFNQTFQGYQVRLSAENLSQPLAVRLASSQGATLLAAEL--APADYAEVESRDLLSPYAAGVYWLTLGEQ----RMALLISAPSSTPWIEQSSAA
Vibrio_vulnificus            101 AIAVTFIHKFNQTFQGYQVRLSAENLTQPLAVRLASAQGATLLAAEL--APADYAEVESRDLLSPYAAGIYWLTLDEQ----RIALLISAPSSTPWIEQSSTA
Photobacterium_profundum      87 NIDVSFINKNSVNNQGYQIKISTEQVTQPLILELFDENNTLLVTANIPLPTEEYIEFESNDLLSTPKAGIYQLSINNV----RYPLVISSFTNTTWVRQSTDQ
Vibrio_coralliilyticus        84 DLNVSFVRRSGLSSQGFQIKISAENTQNDLTIELIDPSAKRLLSGKLS-QQRDYQEIETDELLIEPVSGLYQLKLGNT----LYPLLVAMPENQNWIRLDNS-
Chromobacterium_violaceum     61 DLELDLIQRDIPLSRVYNVRLNGVSPRRDLRWSLRLPDGRELFAGAKTRYDGRQFELESEDQAAALPPGVYRLTAQSGGETWRQDLSLPGMAAQDWLRRDGR-

Consensus
                                 +IAV+FIHKFNQT+QGYQVRLSAENLTQPLAV+LA+PQGATLLAAEL++APADYAEVESRDLLSP+AAG+Y+LTLG+QGETWRY+LLISAPS+TPWIRQSS+A

                                    210       220       230       240       250       260       270       280       290       300
Vibrio_cholerae              198 ---DLTIRFPATPSGCASSLARWQFFDQNFTLLHSQTVN----------------RDQHPAPPIAPSQARWRSLSVIQSEYQGTIRVEQMQRLTIPID
Vibrio_vulnificus            198 ---DLTIRFPATPSGCASSLARWQFFDQNFTLLHSQTVN----------------RDQPPAPPTAPSQARWRSLSVIQSEYQGTIRVEQMQRLTIPID
Photobacterium_profundum     186 TSKSFIVTPPENKIACAPAVMNWQWFDEQYNQIGKHISMQLTPVMPITSAATDNNLQYAAKRPAATPSNATWLSAVVSQFEYQGEVKVEYIQRFSLPI-
Vibrio_coralliilyticus       181 -MQQIHLTPPVTENSCAKPTATWQWFDSQYVMLGTKKPISSL--------------VAPVPNSTQIPDGAKHLSATVSVFEYQQGLKIEYIQRIAIPF-
Chromobacterium_violaceum    163 ---KLAPRPPTQPSACPRPWLEQALLSQPDFELRWW-----------------QRRELGQTLRWPANPGEKLWASVSLLRAEFRGPIAVRQIHRVAAPL-

Consensus
                                 T++DLTIRPPATPS+CAS+LARWQ+FDQ++TLL+SQTVN+++PVMPITSAAT++++RDQ+P+PPAAPSQARW+S+SV+Q+EYQGTI+VEQIQRL+IPID
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