

Supplementary Data 1. Full protein sequences of PspC1 and PspC2 in strain BHN418.

BHN418 PspC1:

MFASKSERKVHYSIRKFSIGVASVVVASLFLGGVVHAEVGGRRNTPTVTSSGQDISKKYADEVESHLKKILSEIQTQLDRKRHTKTV
ALINELQDIKKTLYNLNLVLEKSELPSKIKAKLEVAFDQFKKDTLKPGEKVAEAEKKVAEAKKKAEDQKEEDRRNYPTNTYKTLEL
EIAESDVKVKEAELELVNEEAKPGNEEKIKKAKAKVESEKAEAIRLEEIKTDREEAKRKADAKLKEAVENNAATSEQGEPKRRVKRG
VLGEPATPDKKENDAKSSDSSVGEETLPSPSLKPEKKVAEAEKKAKDQKEEDRRNYPTNTYKTLELEIAESDVKVKEAELELVKEEA
KESRNEEKVKQAKAKVESKKAETRLEIKTDRKKAEEAKRKAAEEDKVKEKPAEQPQPAPAPQPEKPAPKPEKPAPAPKPENPA
EQPKAEKPADQQAEEYARRSEEEYNRLTQQQPPKTEKPAQPSTPKTGWKQENGMMWYFYNTDGS MATGWLQNNGSWYYL
NSNGAMATGWLQNNGSWYYLNANGSMATGWLQNNGSWYYLNANGSMATGWLQNNGSWYYLNANGSMATGWLQNN
GSWYYLNANGSMATGWLQYNGSWYYLNANGSMATGWLQYNGSWYYLNSNGAMVTGWLQNNGSWYYLNANGSMATD
WVKDGD TWYYLEASGAMKASQWFKVSDKWYYVNGSGALAVNTTVDSYRVNANG EWVN

BHN418 PspC2:

MFKSNHERRMYSIRKFSVGVASVAVASLFMGSVVHATEKEGSTQAATSFNRGNGSQAEQRGELDLERDKAMKAVSEYVGK
MVRDAYVKS DRKRHKNTVALVNQLGNIKNRYLNEIVHSTSKSQLQELMMKSQSEVDEAVSKFEKDSFSSSSSGSSTK PETPQPE
NPEHQKPTTSPDTPSPQPEGKKPSVPDINQEKEAKLAVVTYMSKILDDIQKHHLQKEKHRQIVALIKELDELKKQALSEIDNV
NTKVEIENTVHKIFADMDAVVTKFKKGLTQDTPKEPGNKKPSAPKPGMQPSPQPEVKPQLEKPKPEVKPQPEKPKPEVKPQPE
KPKPEVKPQPEKPKPEVKPQPEKPKPEVKPQPEKPKPEVKPQPEKPKPEVKPQPEKPKPEVKPQPEKPKPEVKPQPEKPKPEVKP
QPEKPKPEVKPQPEKPKPEVKPQPEKPKPEVKPQPEKPKPEVKPQPEKPKPEVKPQPEKPKPEVKPQPEKPKPEVKPQPEKPKPE
VKPQPEKPKPEVKPQPEKPKPDNSKPQADDKKPSTTNLSKDKQPSNQASTNEKATNPKKSLPSTGSISNLAL E IAGLLTLAGA
TILAKKRMK