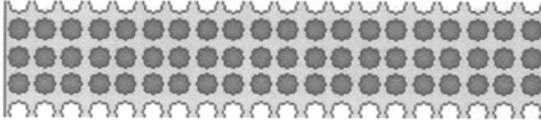


Data S1

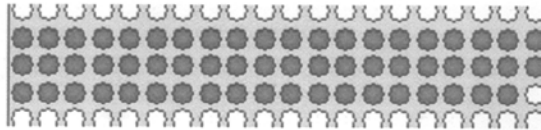
N-terminus: acetyl



Ssa1 array

1 SKAVGIDLGTYS	16 VLRIINEPTAAAI	31 EIVLVGGSTRIPK	46 TQKITITNDKGRLL
2 YSSVAHFANDRVE	17 AIAYGLDKKGSRG	32 PKIQKLVSDFFNG	47 RLSKEEIDKRVSE
3 VEI IANDQGNRTT	18 RGEHNVLI FDLGG	33 NGKELNKSINPDE	48 SEAEKFKEEDEKE
4 TTPSFVAFTDTER	19 GGGTFDVSLLAID	34 DEAVAYGAAVQAA	49 KEARVQAKNQLE
5 ERLIGDAAKNQAA	20 IDEGIFEVKATAG	35 AAILTGDTSSTQ	50 LESYAYSLKNTIN
6 AAMNPANTVFDAK	21 AGDTHLGGEDFDN	36 TQDILLLDVAPLS	51 INDGEMKDKIGAD
7 AKRLIGRKFDDEPE	22 DNRLVNFFIQEFK	37 LSLGIETAGGIMT	52 ADDKEKLTKAIDE
8 PEVINDAKHFFPK	23 FKRNKKDISTNQ	38 MTKLIPRNSTIPT	53 DETISWLDASQAA
9 FKVIDKAGKPVIQ	24 NQRALRRRLTASE	39 PTKKSETFSTYAD	54 AASTEYEDKRKE
10 IQVEYKGETKTF	25 SERAKRTLSSSAQ	40 ADNQPGVLIQVFE	55 KELESVANPIISG
11 FSPEEISSMVLTK	26 AQTSEIDSLYEG	41 FEGERAKTKDNNL	56 SGAYGAAGGAPGG
12 TKMKEIAEGYLG	27 EGIDFYTSITRFR	42 NLLGKFELSGIPP	57 GGAGGPPGAGGPP
13 GSTVKDAVTVPA	28 ARFEELSADLFRS	43 PPAPRGVPQIEVT	58 FPGGAPGAGGPPG
14 PAYFNDSQRQATK	29 RSTLDPVGVKVLAD	44 VTFDIDANGILNV	59 GGATGGESSGPTV
15 TKDAGTIAGLNVL	30 ADAKIDKSQVEEI	45 NVSALEKGTGKTQ	60 GGESSGPTVEEVD

N-terminus: acetyl



Ssa2 array

1 SKAVGIDLGTYS	16 VMRIINEPTAAAI	31 IVLVGGSTRIPKV	46 QKITITNDKGRLL
2 YSSVAHFANDRVE	17 AIAYGLDKKSEAE	32 KVQKLVSDYFNGK	47 LSKEEIEKRVSEA
3 VEI IANDQGNRTT	18 AEKNVLI FDLGGG	33 GKEPNRSINPDEA	48 EAEKFKEEDEKEA
4 TTPSFVAFTDTER	19 GGGTFDVSLLSIED	34 EAVAYGAAVQAAI	49 EASRVQAKNQLES
5 ERLIGDAAKNQAA	20 EDGIFEVKATAGD	35 AILSGDTSSTQD	50 ESYAYSLKNTLGE
6 AAMNPANTVFDAK	21 GDTHLGGEDFDNR	36 QDLLLLDVAPLSL	51 GEEQFKSKLDASE
7 AKRLIGRKFDDEHE	22 NRLVNFFIQEFKR	37 SLGIETAGGIMTK	52 SEIEEVTKAADET
8 HEVQGDIKHFFPK	23 KRKNKKDISTNQR	38 TKLIPRNSTIPTK	53 ETIAWLDSNQATAT
9 FKVVDKASKPMIQ	24 QRALRRRLTASER	39 TKKSETFSTYADN	54 ATQEEFADQQKEL
10 IQVEYKGETKTF	25 ERAKRTLSSSAQT	40 DNQPGVLIQVFEG	55 ELESKANPIMTKA
11 FSPEEISSMILGK	26 QTSIEIDSLYEGI	41 EGERAQTKDNNLL	56 KAYQAGATPSGAA
12 GKMKETAEGFLGT	27 GIDFYTSITRFRF	42 LLGKFELSGIPPA	57 AAGAAPPGGPPGGA
13 GTTVKDAVTVPA	28 RFEELSADLFRST	43 PAPRGVPQIEVTF	58 GAAPEPSNDGPTV
14 PAYFNDSQRQATK	29 STLEPVDKVLSDA	44 TFDIDANGILNVS	59 EPSNDGPTVEEVD
15 TKDAGTIAGLNVM	30 DAKIDKSKVDEIV	45 VSALEKGTGKTQK	