**Tables:**

**Table I**. Summary of the cross-linked peptides synthesized and analyzed by MALDI-MS and MALDI-MS/MS.

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| --- | --- | --- | --- | --- |
| # | Code 1) | Amino acid sequences 2) | (M+H)+ experimental | (M+H)+ expected |
| 1 | P1 | **A\***AAGGGAAAAK | 966.36 | 966.46 |
| 2 | P2 | **C**AAGGGAAAAK | 847.29 | 847.41 |
| 3 | P3 | N**C**AGHK | 629.16 | 629.28 |
| 4 | P4 | Ac-GANAP**K\***EPQR | 1260.57 | 1260.59 |
| 5 | (P1-P2) | (**A**AAGGGAAAAK)-(**C**AAGGGAAAAK) | 1812.88 | 1812.87 |
| 6 | (P1-P2)T | 1812.61 | 1812.87 |
| 7 | (P1-P2)H | 1830.64 | 1830.88 |
| 8 | (P1-P3) | (**A**AAGGGAAAAK)-(N**C**AGHK) | 1594.64 | 1594.74 |
| 9 | (P1-P3)H | 1612.30 | 1612.75 |
| 10 | (P2-P4) | (**C**AAGGGAAAAK)-(Ac-GANAP**K**EPQR) | 2106.79 | 2106.99 |
| 11 | (P2-P4)T | 2106.52 | 2106.99 |
| 12 | (P2-P4)H | 2124.80 | 2125.01 |
| 13 | (P3-P4) | (N**C**AGHK)-(Ac-GANAP**K**EPQR) | 1888.42 | 1888.87 |
| 14 | (P3-P4)H | 1906.46 | 1906.88 |

1. P#-P# denotes cross-linked peptides synthesized with the thiosuccinimide linker (*N*-propionly maleimide). (P#-P#)T and (P#-P#)H denote thiazine and hydrolyzed thiosuccinimide forms, respectively (see Figure 1).

Bold amino acids indicate the amino acid residues cross-linked by *N*-propionly maleimide linker. A\* and K\* denote Ala and Lys modified at - and -amino group, respectively, with a *N*-propionyl maleimide. Ac denotes an acetyl group.