Figure 6: Digestion of gliadin 14mer without (A) and with (B) ruLAP~~1~~ 2 over 4h at 37°C with a *E/S* ration of 1/50 (w:w).

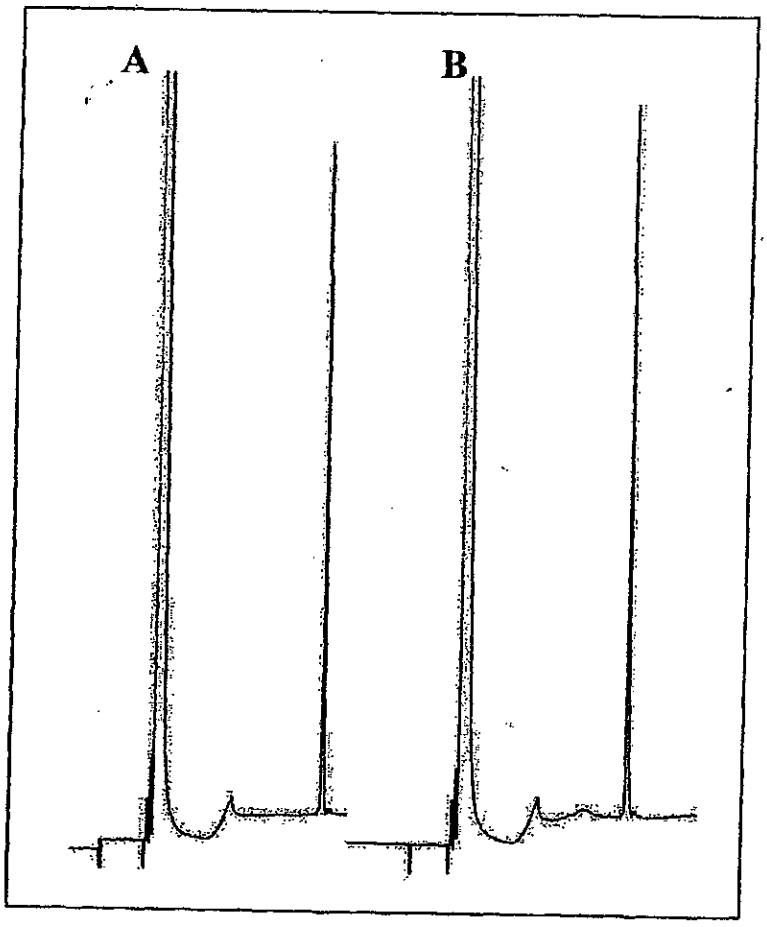


Figure 7: Digestion of gliadin 14mer over 4h with ruDPPIV alone at an E/S ratio of 1/25 (w:w) (A) and with a mixture of ruLAP and DPPIV at the same ratio of 1/50 (w:w) (B).

2

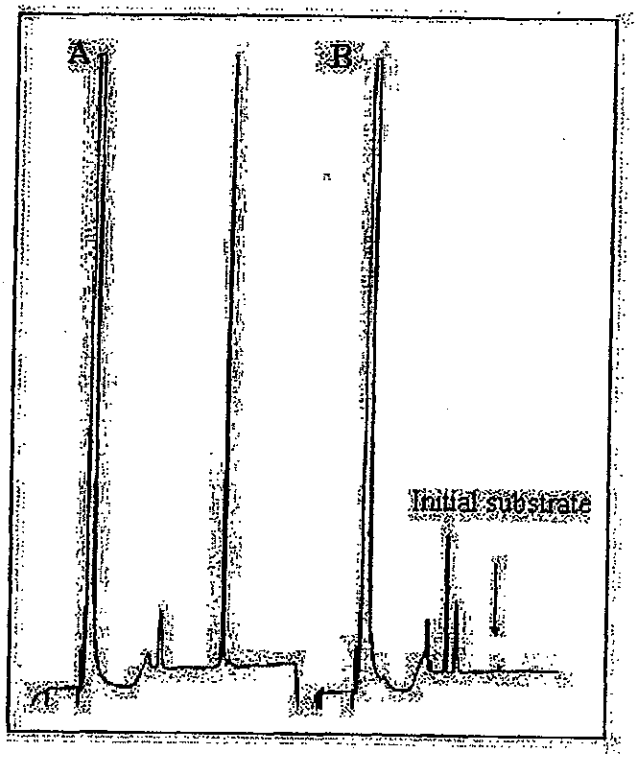


Figure 9 : Digestion of gliadin 33mer at 37°C over 4h with a mixture of ruLAP~~I~~ 2 and ruDPPIV at an E/S ratio of 1 :50 (w:w) each.

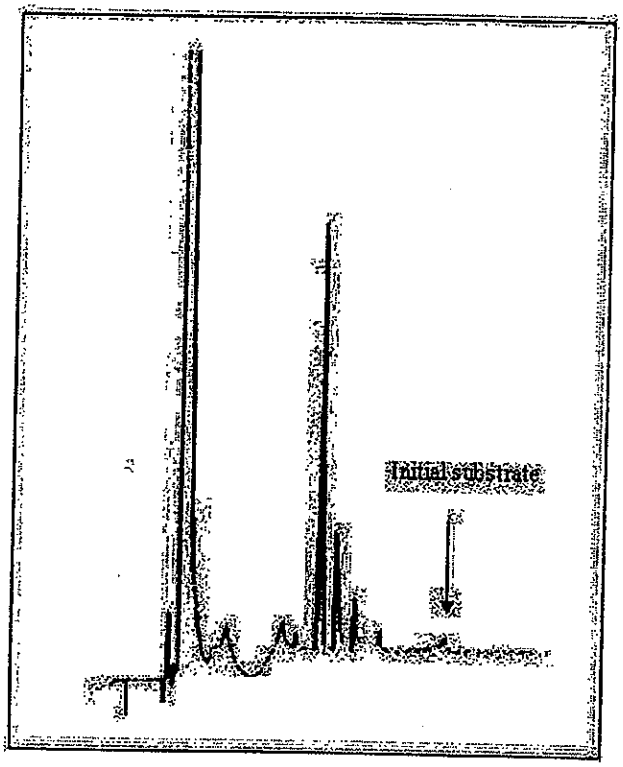


Figure 10: Mass spectrum of Gly-Ser-proNPY (calculated molecular mass at 8203.12 Da) before (**A**) and after digestion (**B**) with ruLAP1, which results in the cleavage of Gly-Ser (-144.1 Da)

10-A

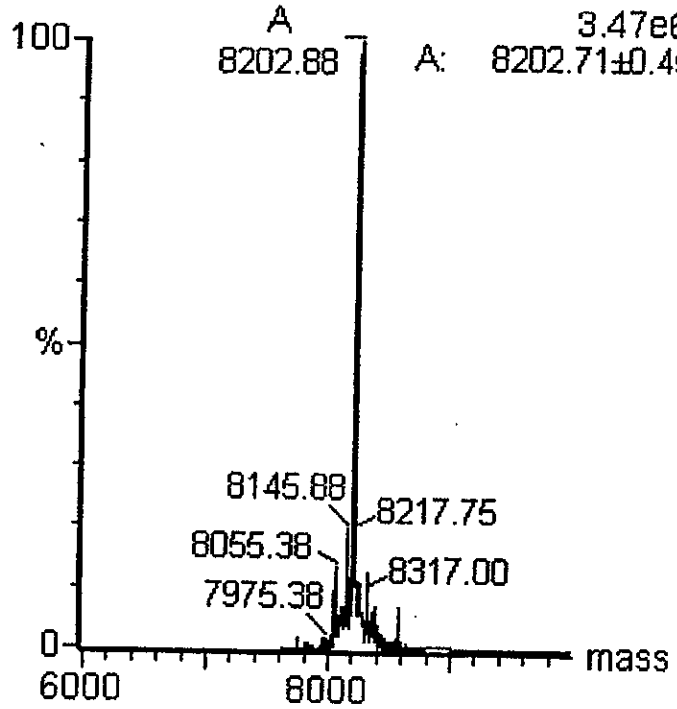


Figure 11: Mass spectrum of Ala-proNPY (**A**, calculated molecular mass at 8130.0 uma) and of the digestion product (**B**) with ruLAP~~1~~2.

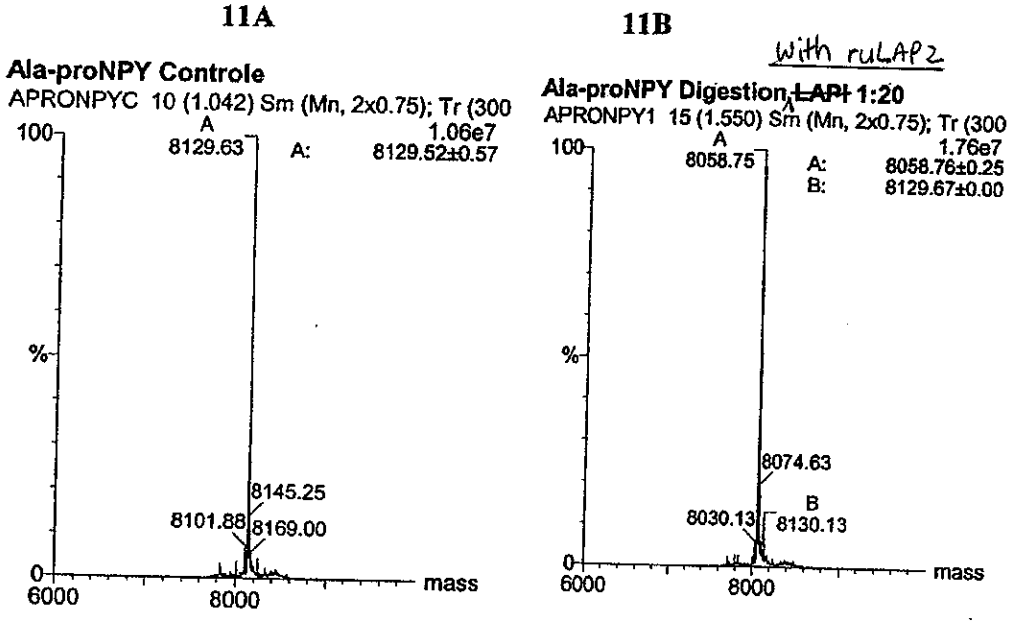
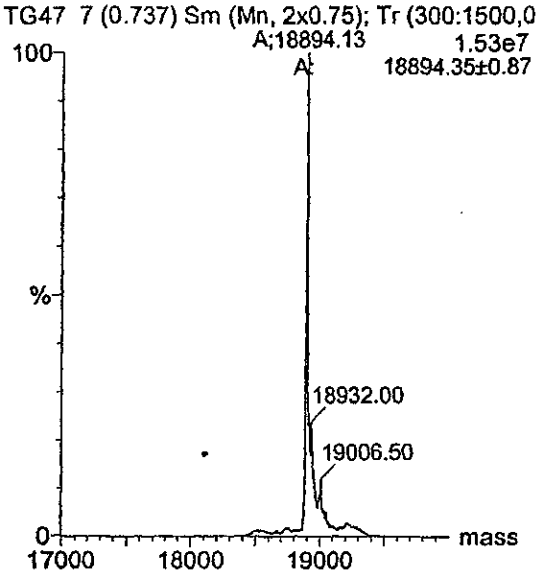


Figure 12: Mass spectrum of (A) TG47 (calculated molecular mass of 18894.9 uma) and of the digestion product with ruLAP~~1~~2 (B), which results in the removal of the N-terminal methionine.

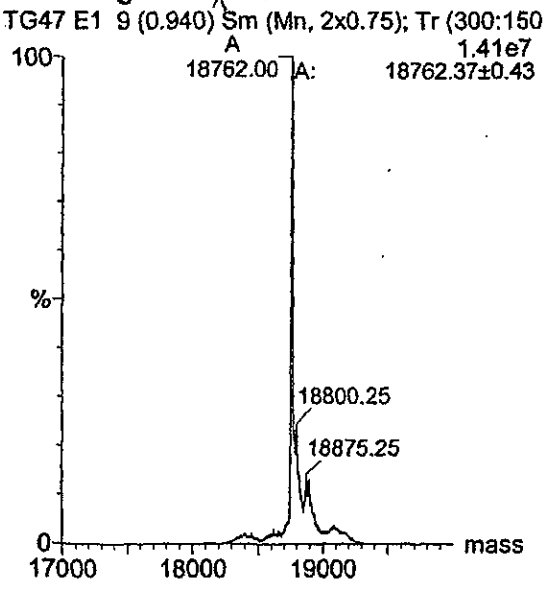
TG47 Substrat de départ



12A

with ruLAP2

TG 47 Digestion ~~LAP1~~ 1:20 15h Pic1



12B

Figure 6: Digestion of gliadin 14mer without (A) and with (B) ruLAP2 over 4h at 37°C with a E/S ration of 1/50 (w:w).

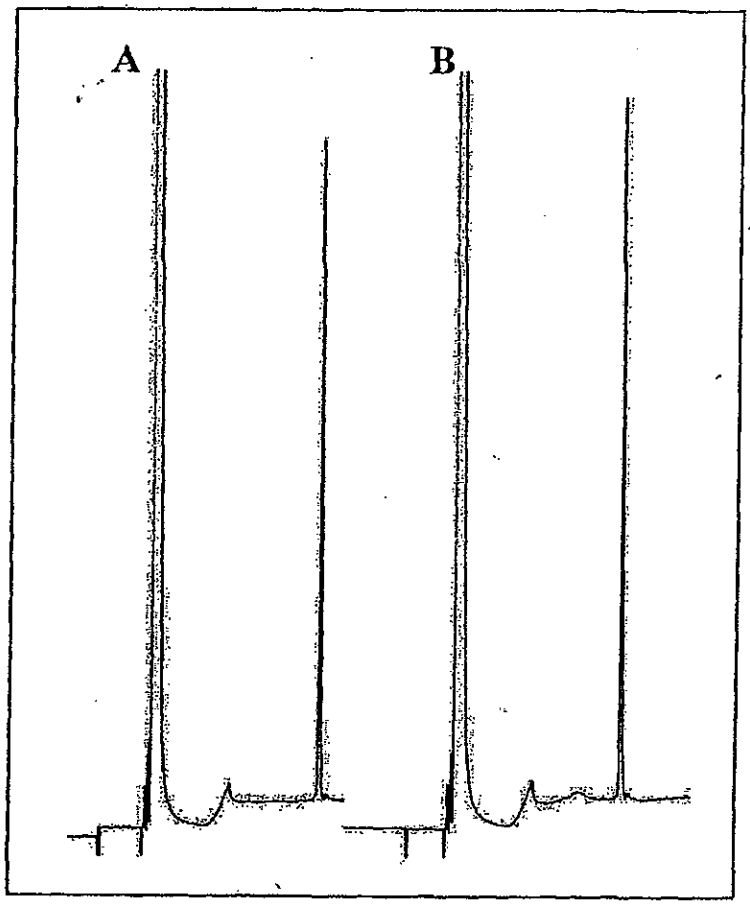


Figure 7: Digestion of gliadin 14mer over 4h with ruDPPIV alone at an E/S ratio of 1/25 (w:w) (A) and with a mixture of ruLAP2 and DPPIV at the same ratio of 1/50 (w:w) (B).

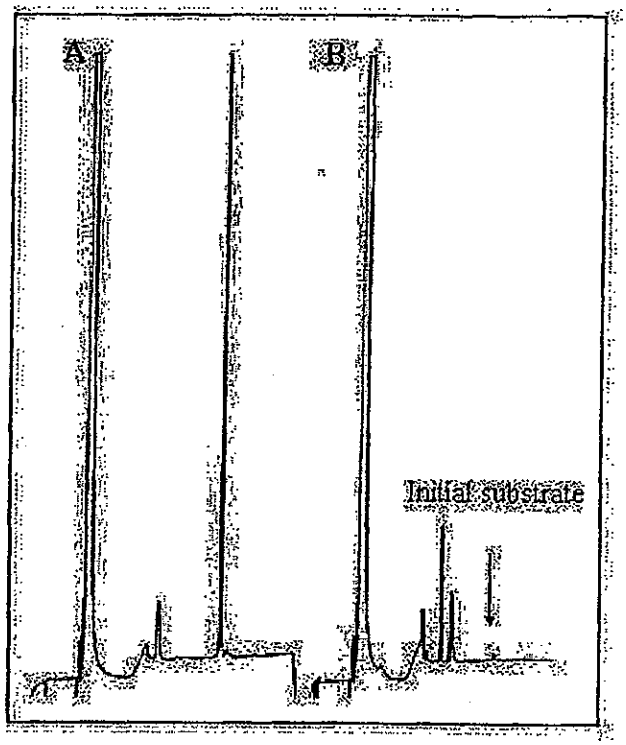


Figure 9 : Digestion of gliadin 33mer at 37°C over 4h with a mixture of ruLAP2 and ruDPPIV at an E/S ratio of 1 :50 (w:w) each.

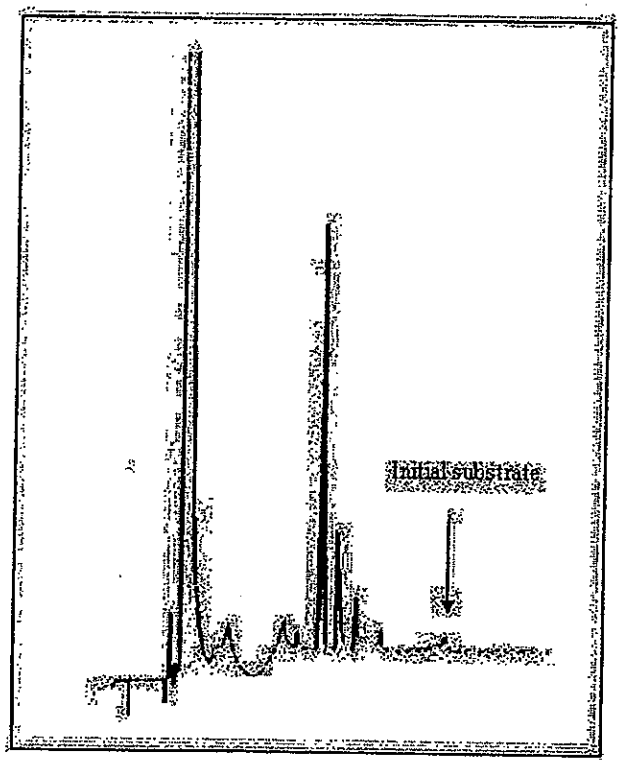


Figure 10: Mass spectrum of Gly-Ser-proNPY (calculated molecular mass at 8203.12 Da) before (A) and after digestion (B) with ruLAP2, which results in the cleavage of Gly-Ser (-144.1 Da)

10-A

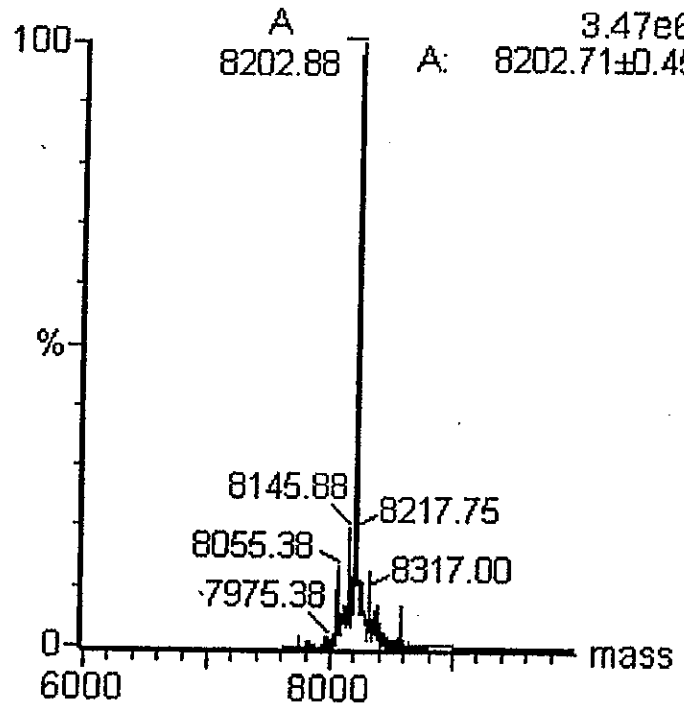


Figure 11: Mass spectrum of Ala-proNPY (A, calculated molecular mass at 8130.0 uma) and of the digestion product (B) with ruLAP2 .

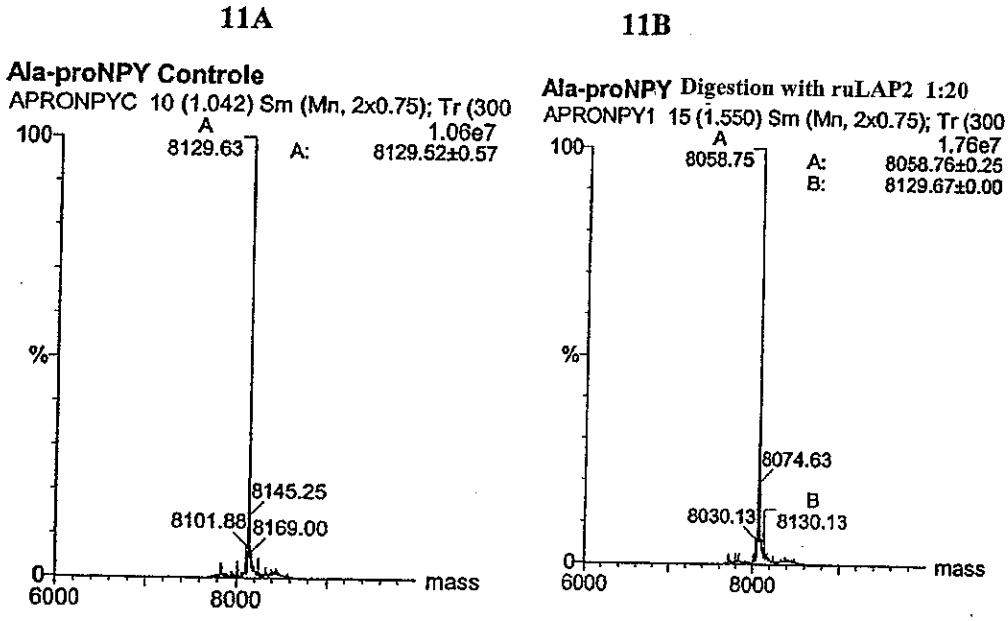
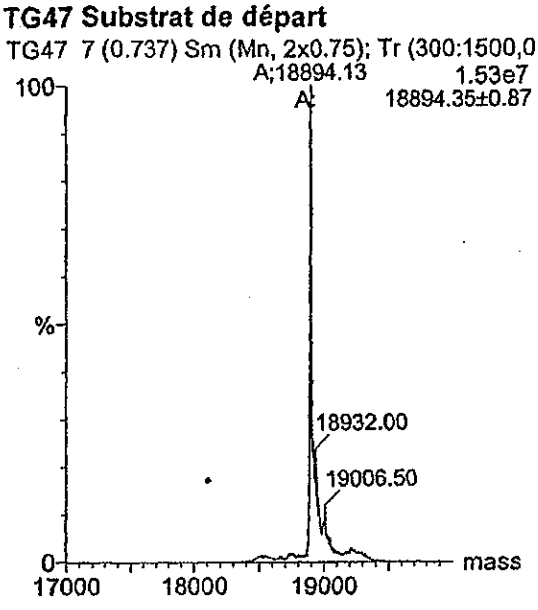
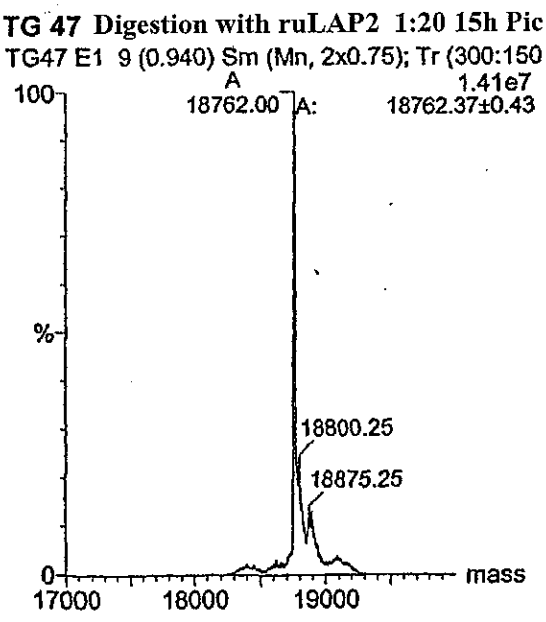


Figure 12: Mass spectrum of (A) TG47 (calculated molecular mass of 18894.9 uma) and of the digestion product with ruLAP2 (B),which results in the removal of the N-terminal methionine.



12A



12B