

Characterization of disulfide bonds by planned digestion and tandem mass spectrometry

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Supplementary Information

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Supplementary Figures

Figure S1. Annotated MS/MS spectrum of SSTSASSNYCNQMMK-CR after Asp-N/C and trypsin digestion

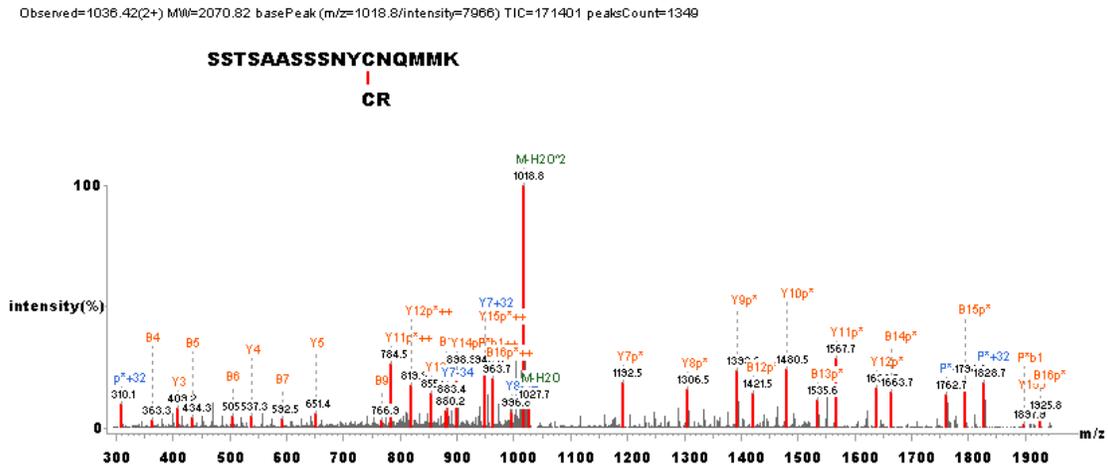


Figure S2. Annotated MS/MS spectrum of QHMSSTSASSNYCNQMMK-CR after Asp-N/C and trypsin digestion

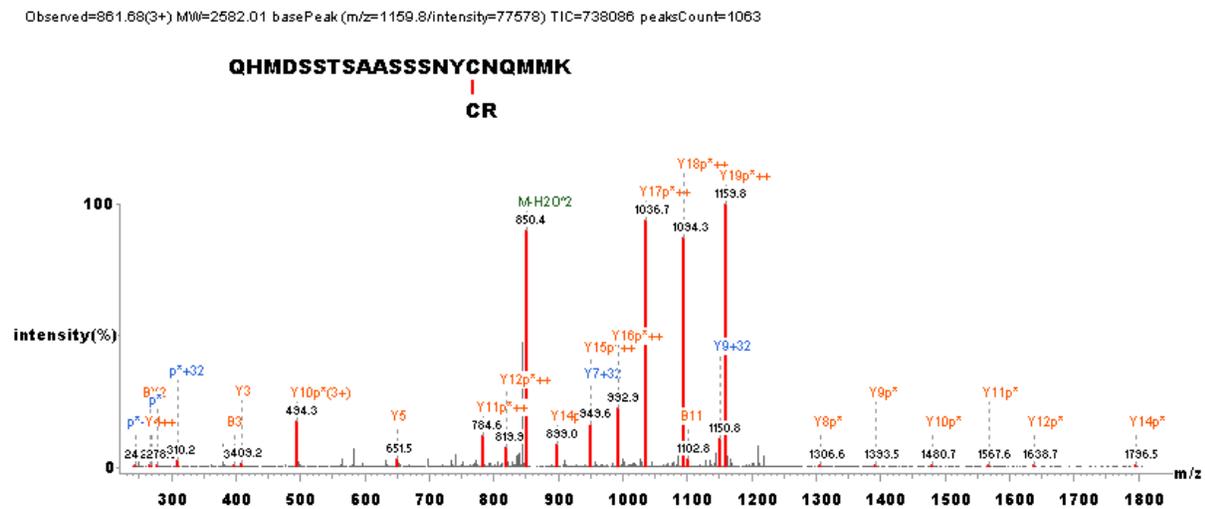


Figure S3. Annotated MS/MS spectrum of SSTSAASSSNYCNQMMK-CRETGSSK after Asp-N/C and trypsin digestion

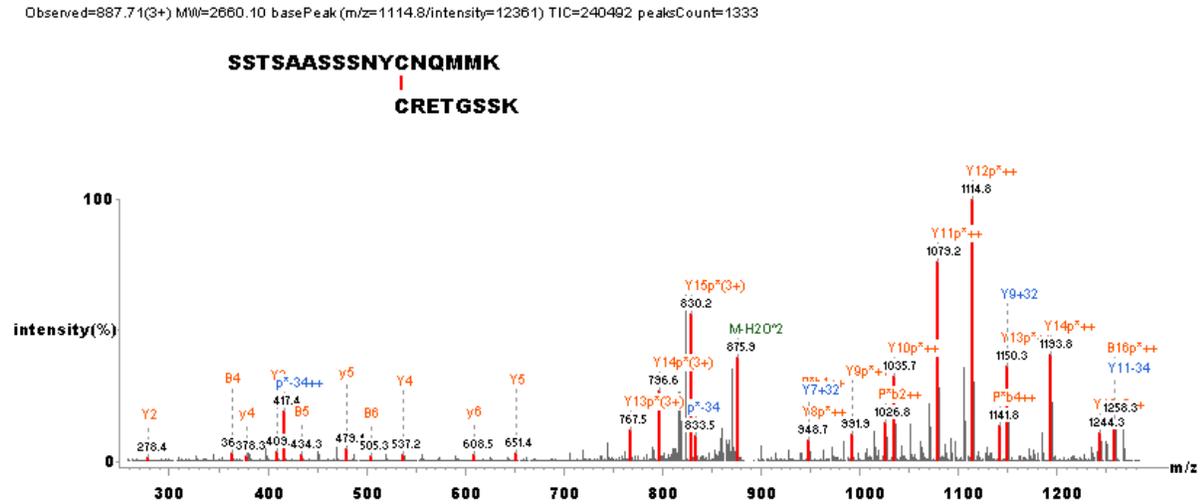


Figure S4. Annotated MS/MS spectrum of QHMDSSTSAASSSNYCNQMMK-CRETGSSL after Asp-N/C and trypsin digestion

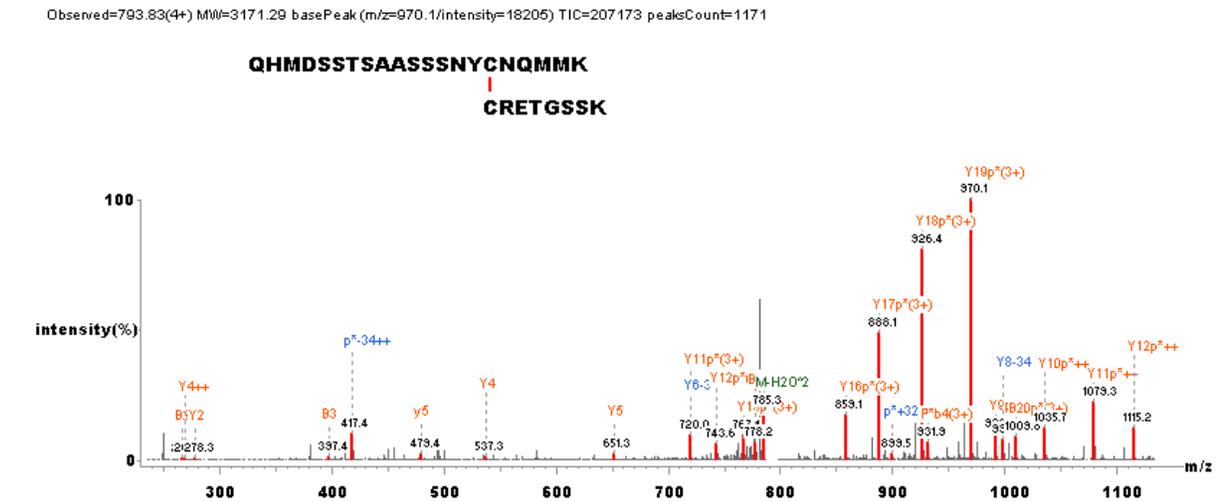


Figure S5. Annotated MS/MS spectrum of CKPVNTFVHESLA-YPNCAYK after Asp-N/C and trypsin digestion

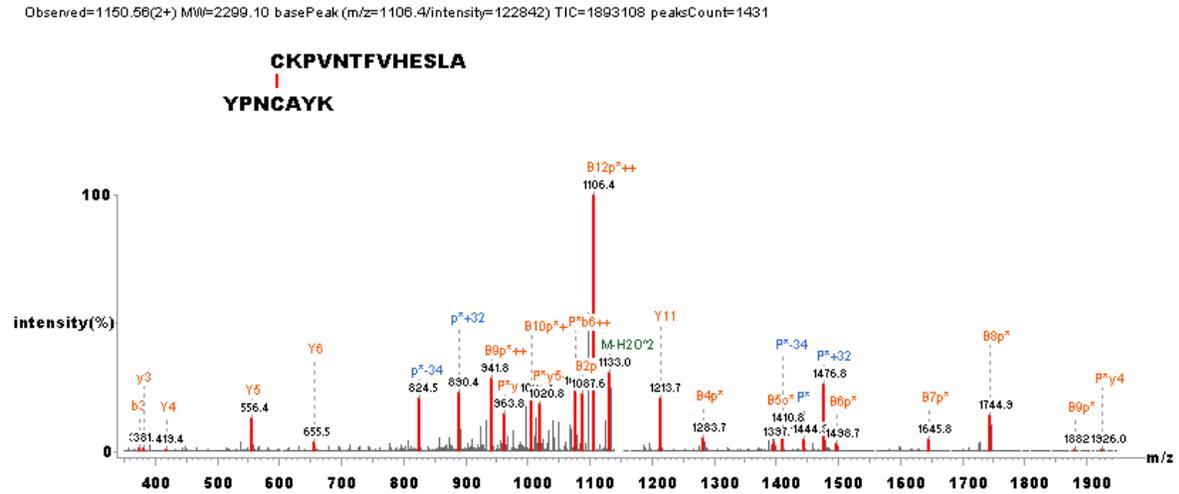


Figure S6. Annotated MS/MS spectrum of CKPVNTFVHESLAD-YPNCAYK after Asp-N/C and trypsin digestion

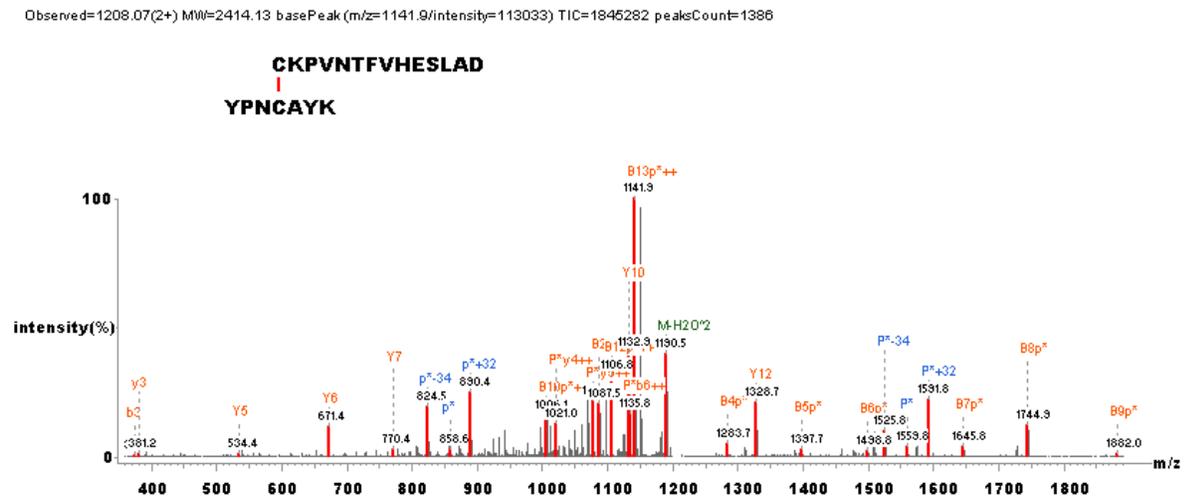


Figure S7. Annotated MS/MS spectrum of RCKPVNTFVHESLA-YPNCAYK after Asp-N/C and trypsin digestion

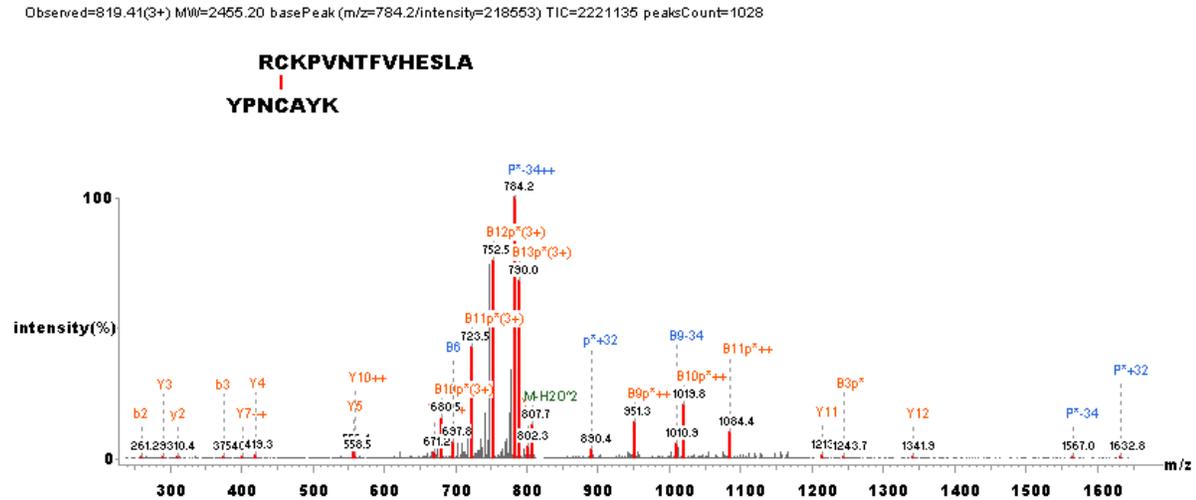


Figure S8. Annotated MS/MS spectrum of CK-YPNCAYK after Asp-N/C and trypsin digestion

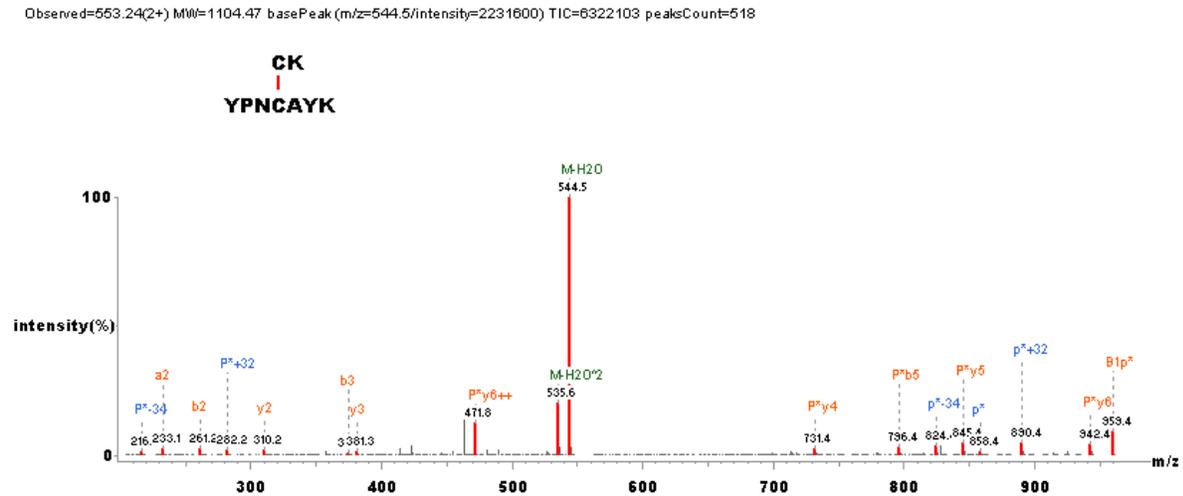


Figure S9. Annotated MS/MS spectrum of RCK-YPNCAAYK after Asp-N/C and trypsin digestion

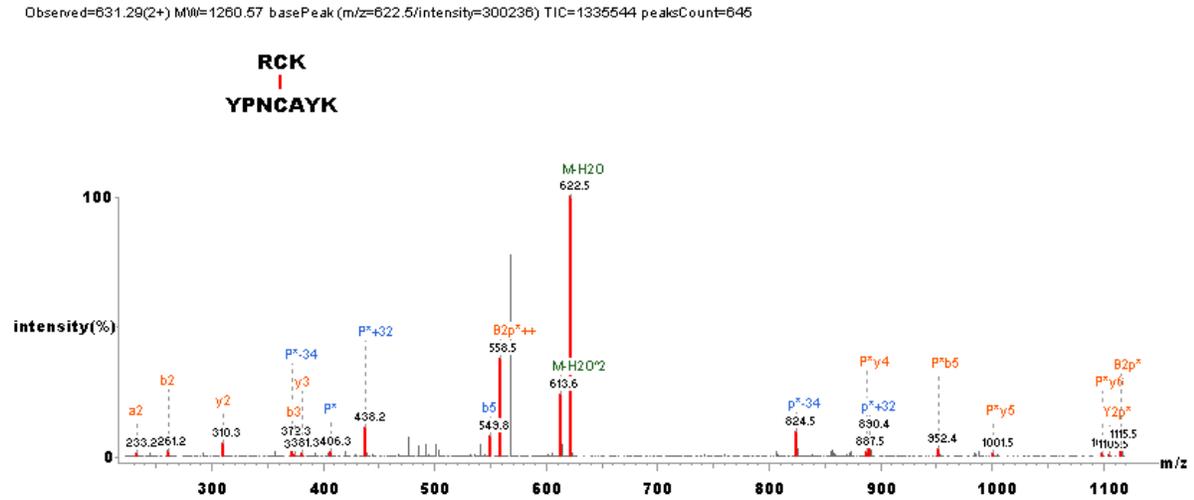


Figure S10. Annotated MS/MS spectrum of DRCK-YPNCAAYK after Asp-N/C and trypsin digestion

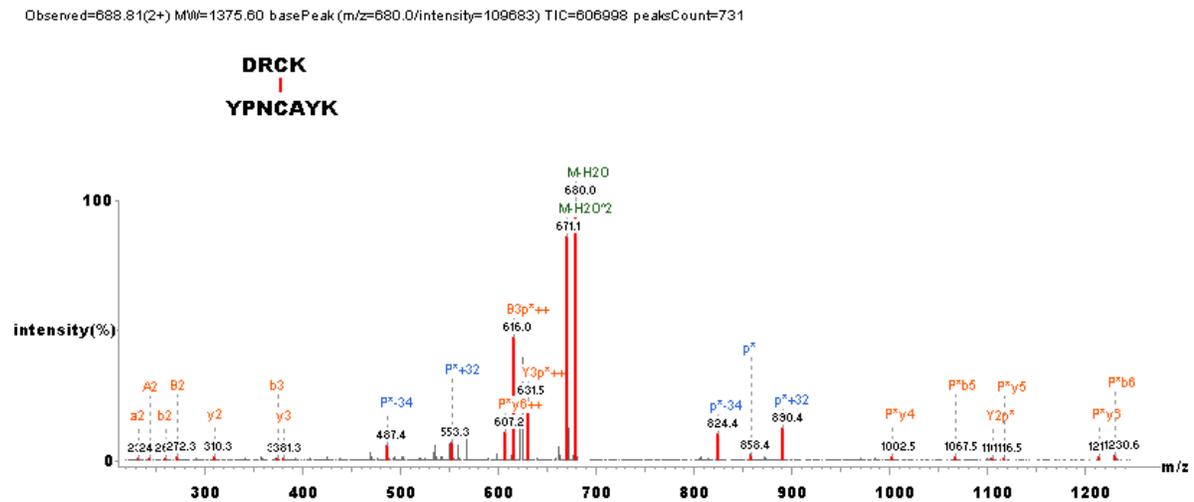


Figure S11. Annotated MS/MS spectrum of CKPVNTFVHESLA-ETGSSKYPNCAYK after Asp-N/C and trypsin digestion

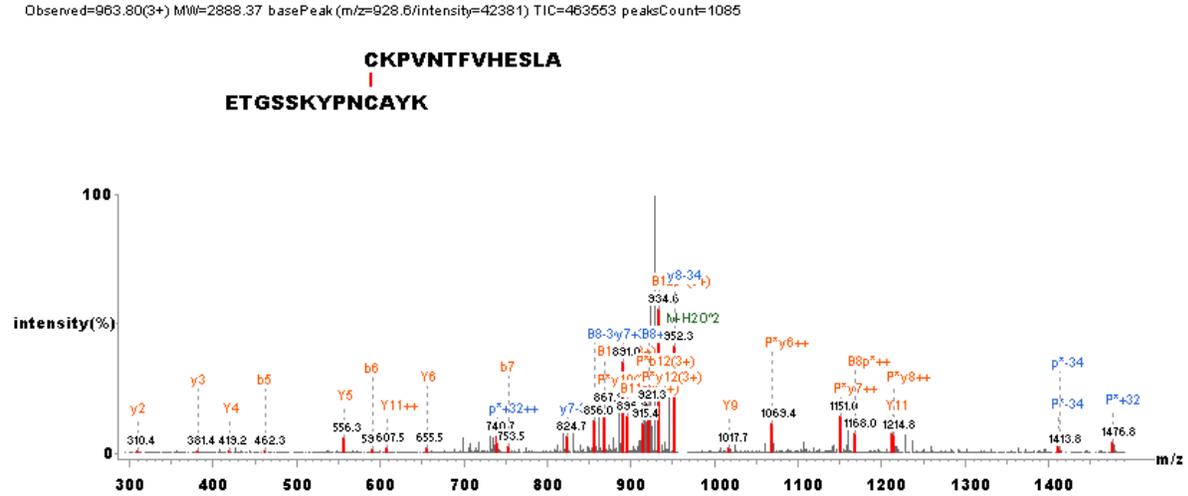


Figure S12. Annotated MS/MS spectrum of CK-YPNCAYKTTQANK after Asp-N/C and trypsin digestion

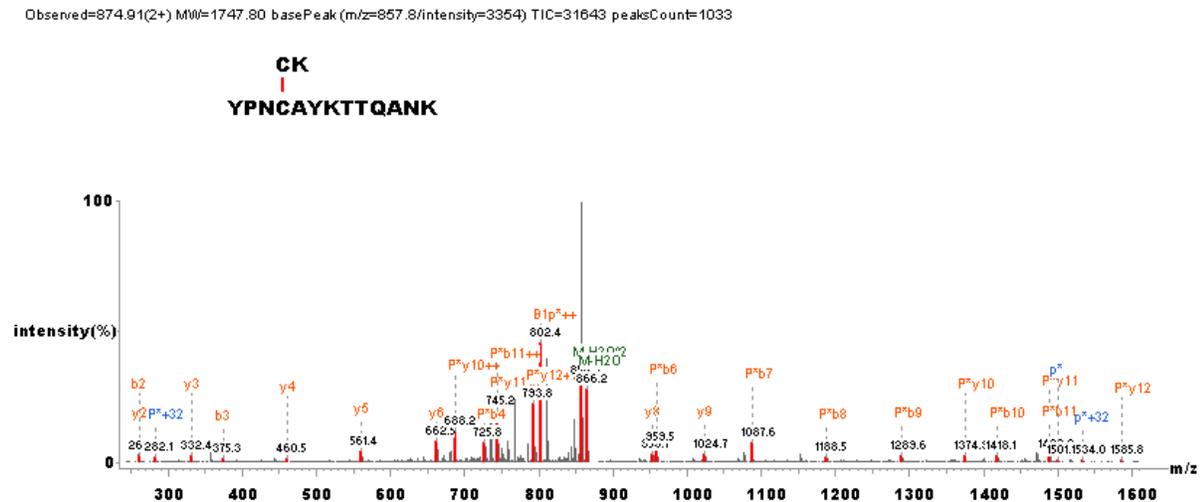


Figure S13. Annotated MS/MS spectrum of CKPVNTFVHESLA-YPNCAYKTTQANK after Asp-N/C and trypsin digestion

Observed=736.61(4+) MW=2942.43 basePeak (m/z=682.0/intensity=21084) TIC=178002 peaksCount=1074

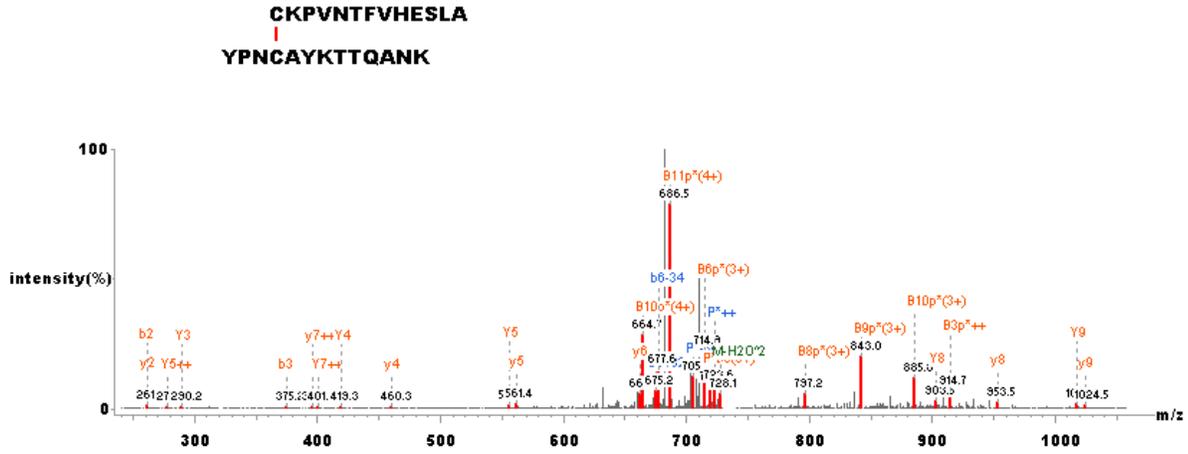


Figure S14. Annotated MS/MS spectrum of NVACK-NGQTNCYQSYSTMSIT after Asp-N/C and trypsin digestion

Observed=1165.01(2+) MW=2328.00 basePeak (m/z=1105.7/intensity=37318) TIC=331067 peaksCount=1272

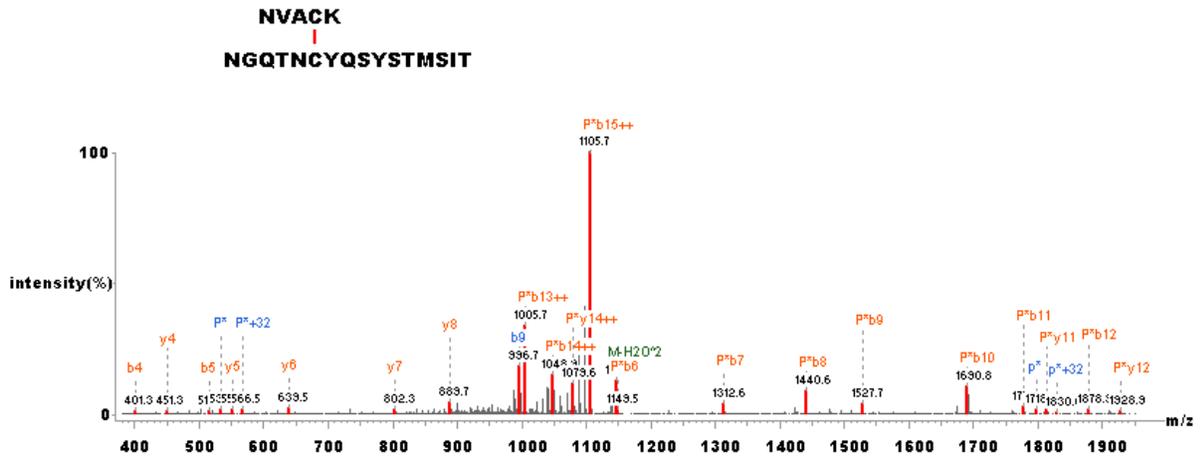


Figure S15. Annotated MS/MS spectrum of NVACK-NGQTNCYQSYSTMSITD after Asp-N/C and trypsin digestion

Observed=1222.52(2+) MW=2443.03 basePeak (m/z=1105.8/intensity=24986) TIC=505340 peaksCount=1440

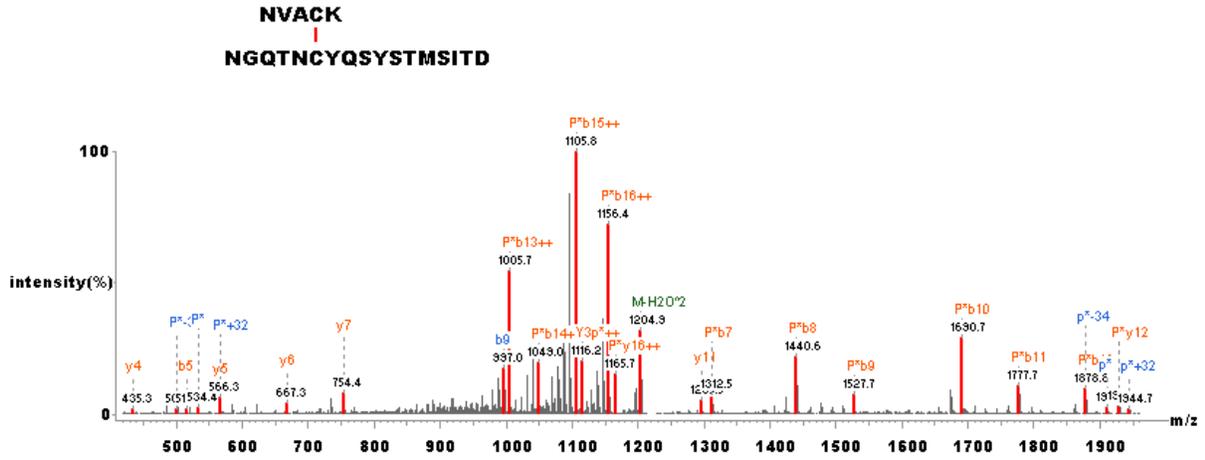


Figure S16. Annotated MS/MS spectrum of NVACKNGQTNCYQSYSTMSIT after Asp-N/C and trypsin digestion

Observed=1156.00(2+) MW=2309.99 basePeak (m/z=1087.8/intensity=21813) TIC=304742 peaksCount=1199

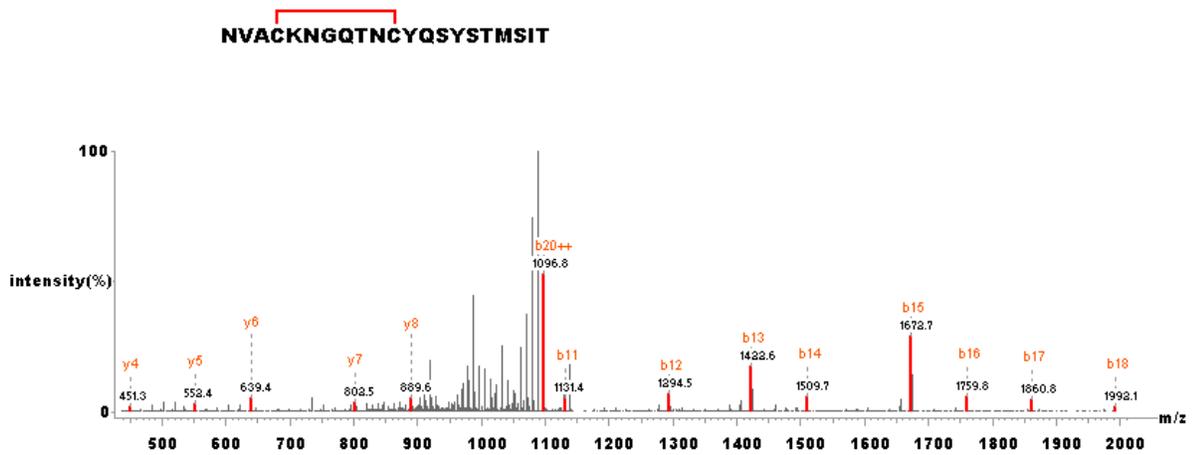


Figure S17. Annotated MS/MS spectrum of NVACKNGQTNCYQSYSTMSITD after Asp-N/C and trypsin digestion

Observed=1213.52(2+) MW=2425.02 basePeak (m/z=1087.8/intensity=7623) TIC=218335 peaksCount=1253

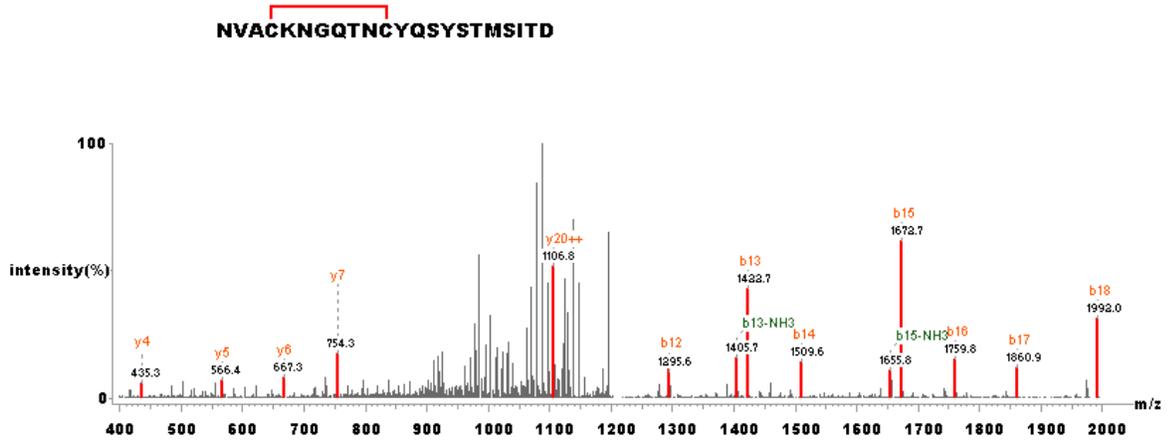


Figure S18. Annotated MS/MS spectrum of VQAVCSQK-HIIVACEGNPYVPVHF after Asp-N/C and trypsin digestion

Observed=885.45(3+) MW=2653.34 basePeak (m/z=1202.9/intensity=150463) TIC=1772728 peaksCount=1095

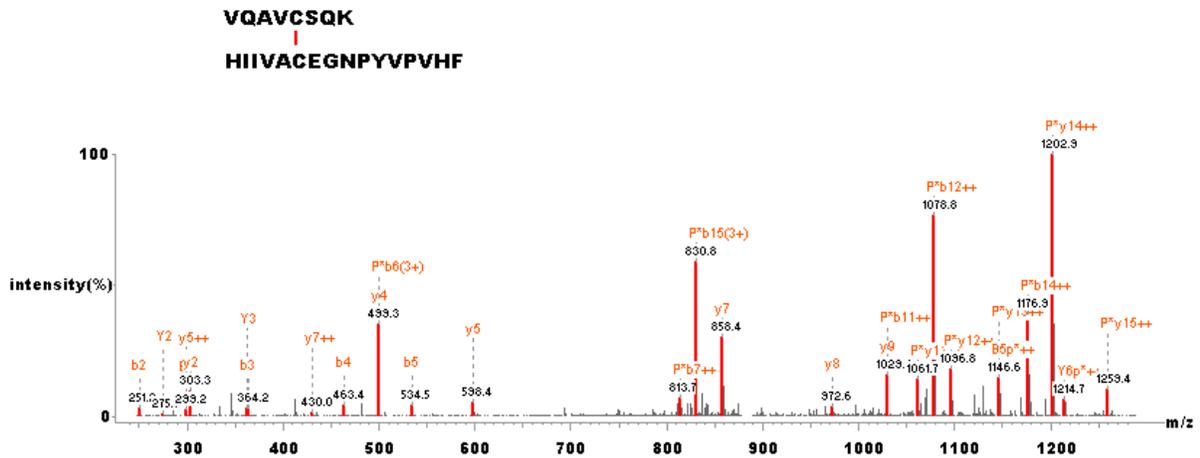


Figure S19. Annotated MS/MS spectrum of VQAVCSQK-HIIVACEGPNYPVPHF after Asp-N/C and trypsin digestion

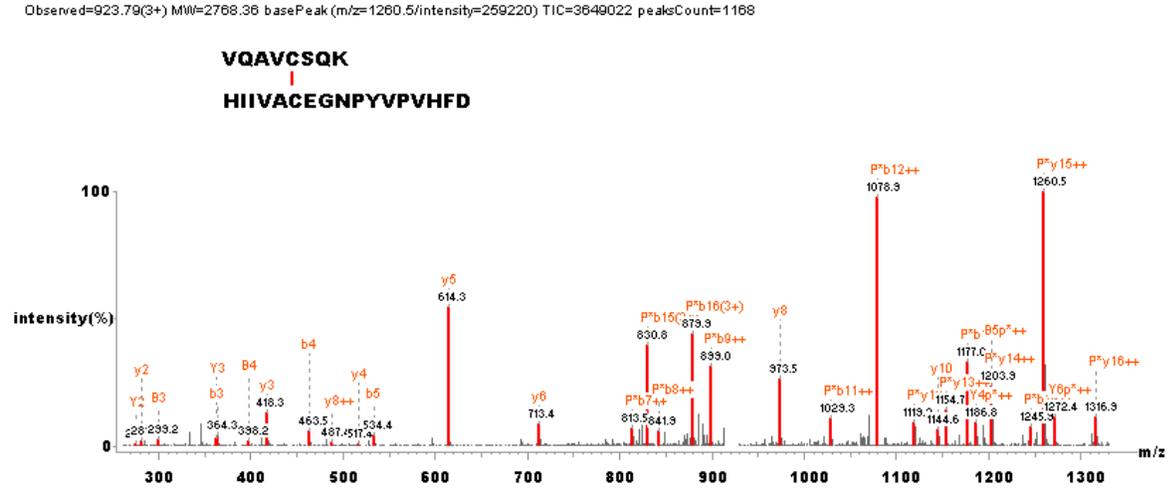


Figure S20. Annotated MS/MS spectrum of VQAVCSQK-HIIVACEGPNYPVPHFDASV after Asp-N/C and trypsin digestion

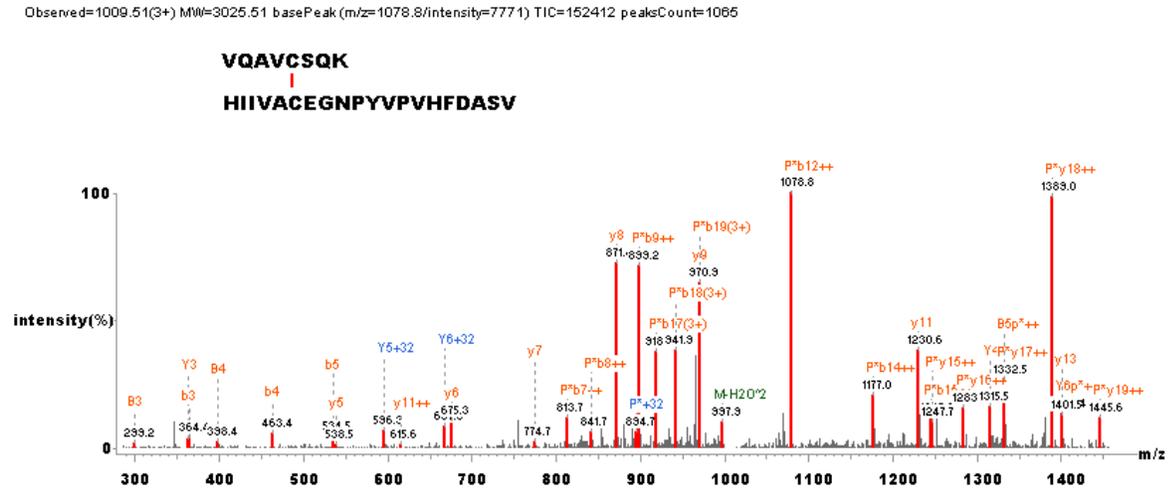


Figure S21. Annotated MS/MS spectrum of VQAVCSQK-TTQANKHIIIVACEGN PYVPVHF after Asp-N/C and trypsin digestion

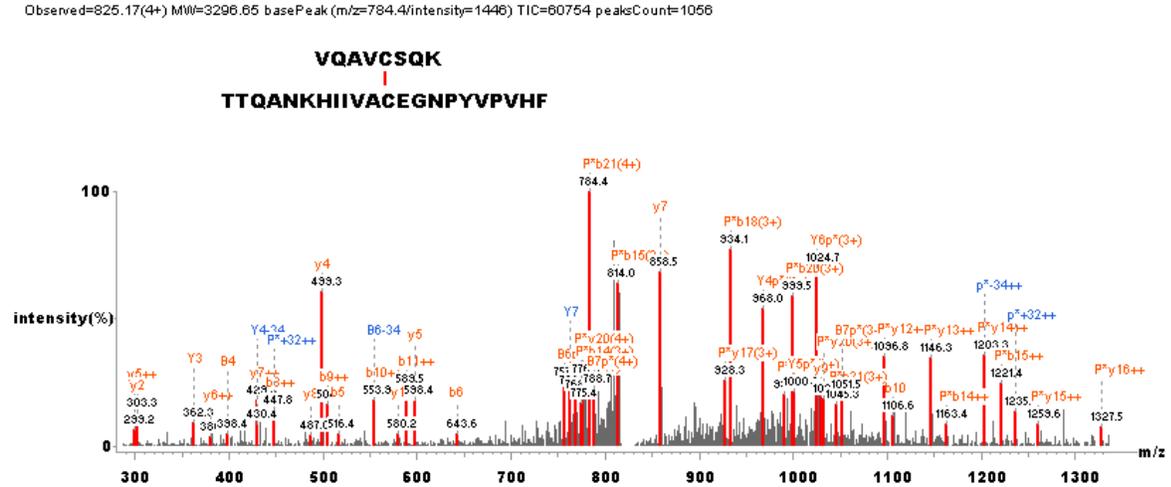


Figure S22. Annotated MS/MS spectrum of VQAVCSQK-TTQANKHIIIVACEG NPYVPVHFD after Asp-N/C and trypsin digestion

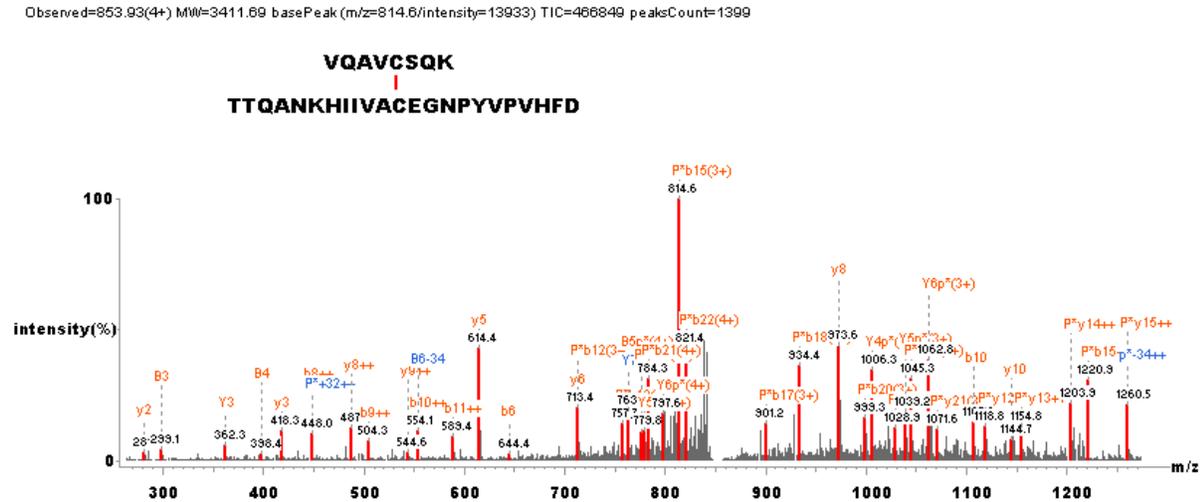


Figure S23. Annotated MS/MS spectrum of DVQAVCSQK-HIIVACEGNPYVPVHFD after Asp-N/C and trypsin digestion

Observed=721.85(4+) MW=2883.38 basePeak (m/z=758.1/intensity=5235) TIC=95130 peaksCount=1019

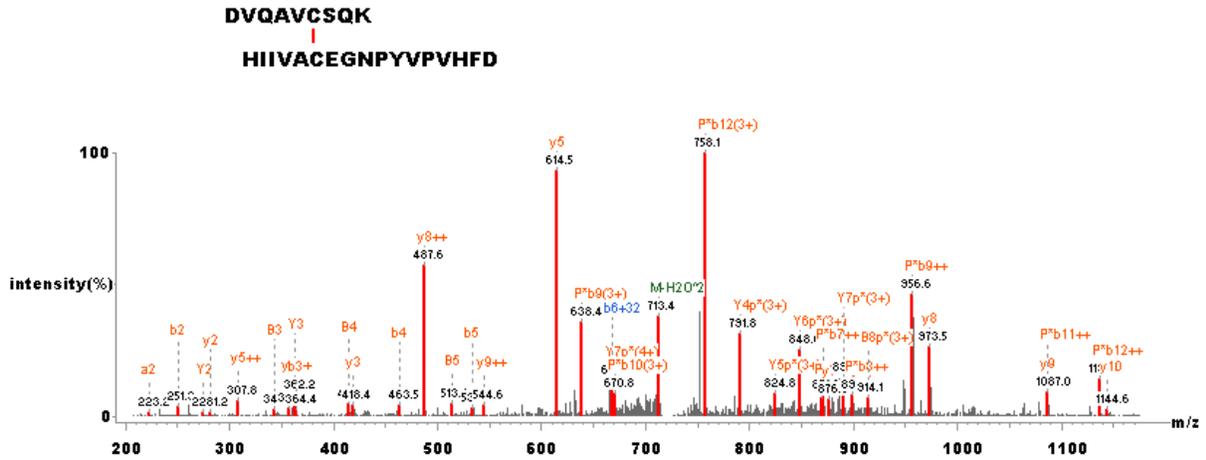


Figure S24. Annotated MS/MS spectrum of PVNTFVHESLADVQAVCSQK-HIIVACEGNPYVPVHF after Asp-N/C and trypsin digestion

Observed=1322.00(3+) MW=3962.99 basePeak (m/z=1733.9/intensity=3137) TIC=47275 peaksCount=1022

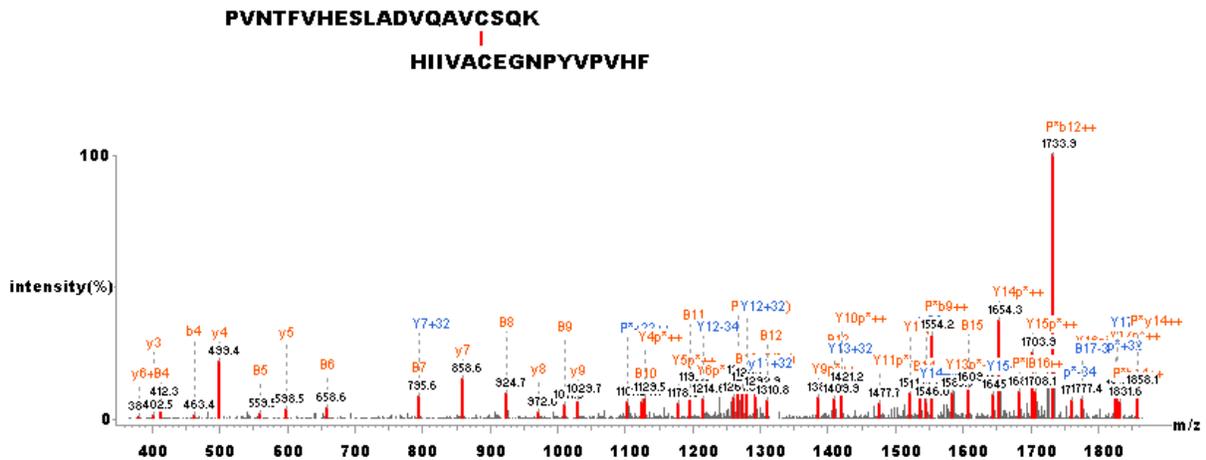


Figure S25. Annotated MS/MS spectrum of PVNTFVHESLADVQAVCSQK-HIIVACEGNPYVPVHFD after Asp-N/C and trypsin digestion

Observed=1360.34(3+) MW=4078.01 basePeak (m/z=1733.9/intensity=3809) TIC=65463 peaksCount=1066

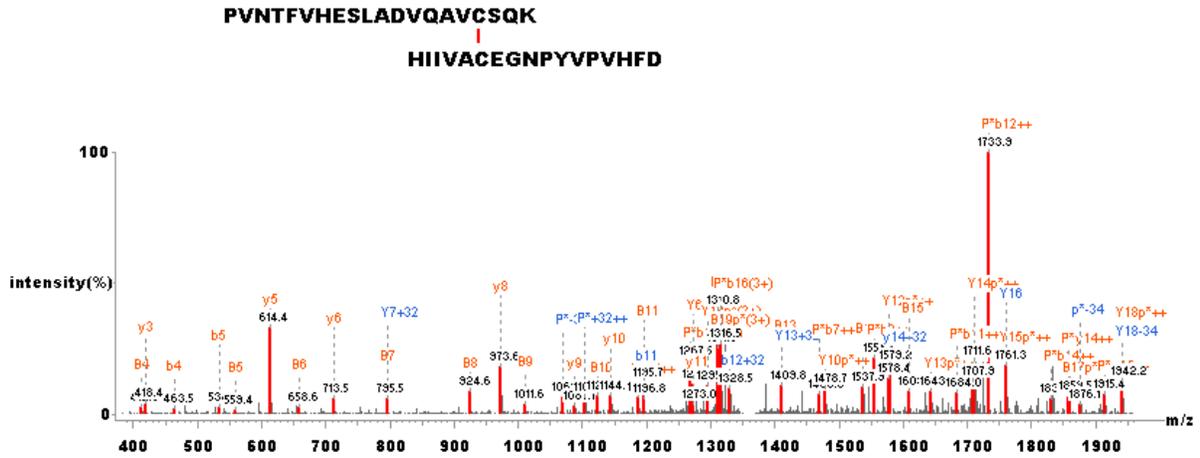


Figure S26. Annotated MS/MS spectrum of PVNTFVHESLADVQAVCSQK-HIIVACEGNPYVPVHF after Asp-N/C and trypsin digestion

Observed=1446.05(3+) MW=4335.13 basePeak (m/z=1354.7/intensity=162) TIC=2622 peaksCount=424

