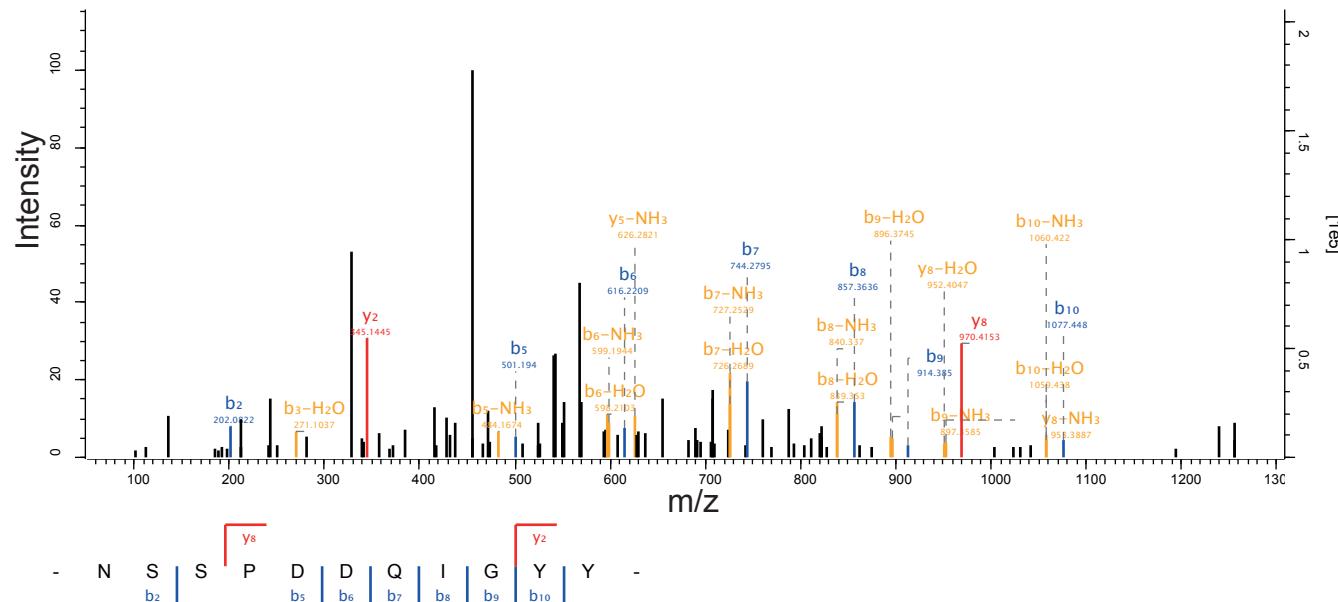


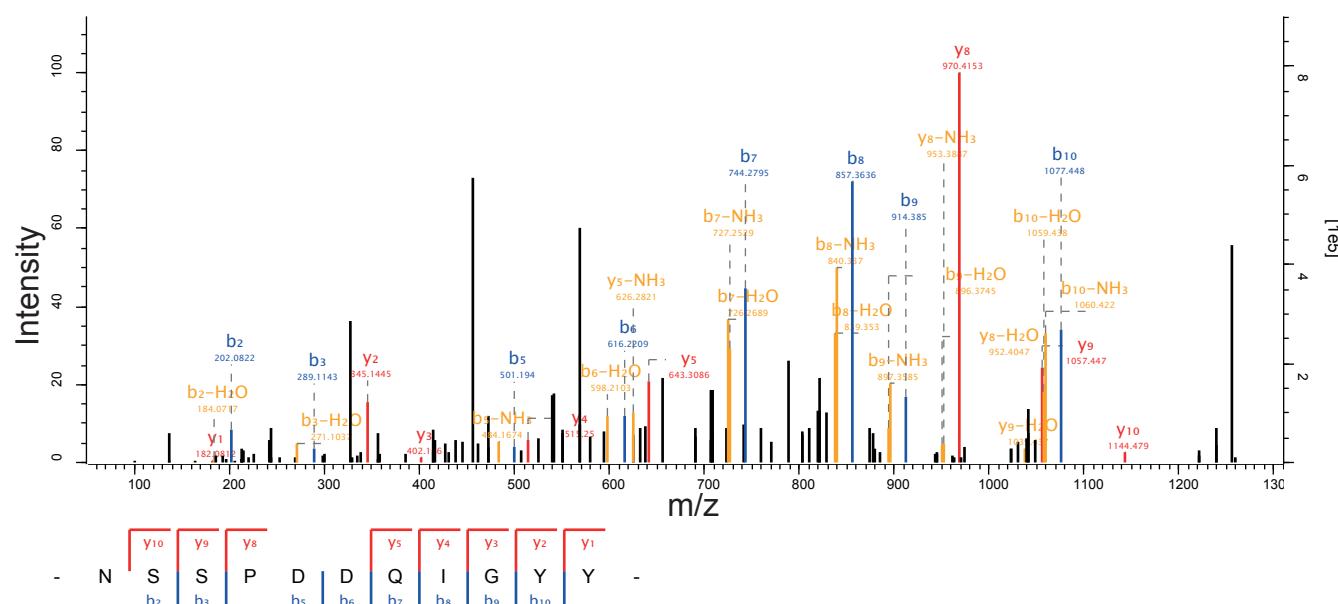
A. Synthetic peptides

B cell line 721.221 A*01:01 with OE of Nucleocapsid HLA-I NSSPDDQIGYY

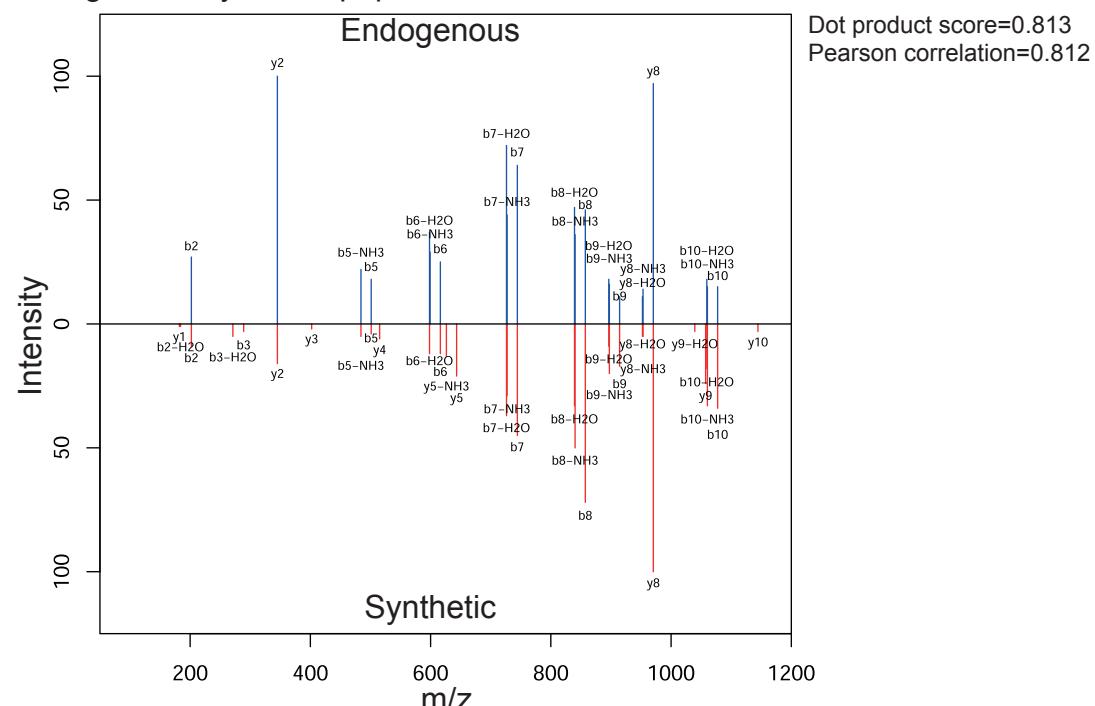
Endogenous peptide



Synthetic peptide

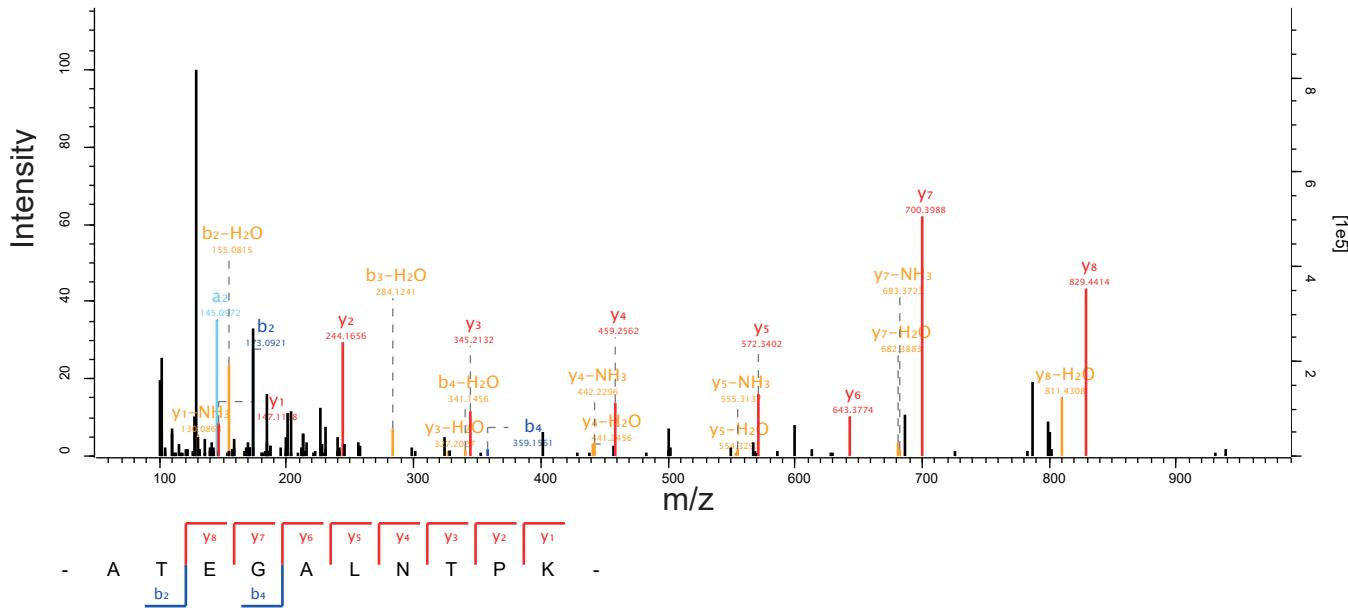


Endogenous/Synthetic peptide correlation

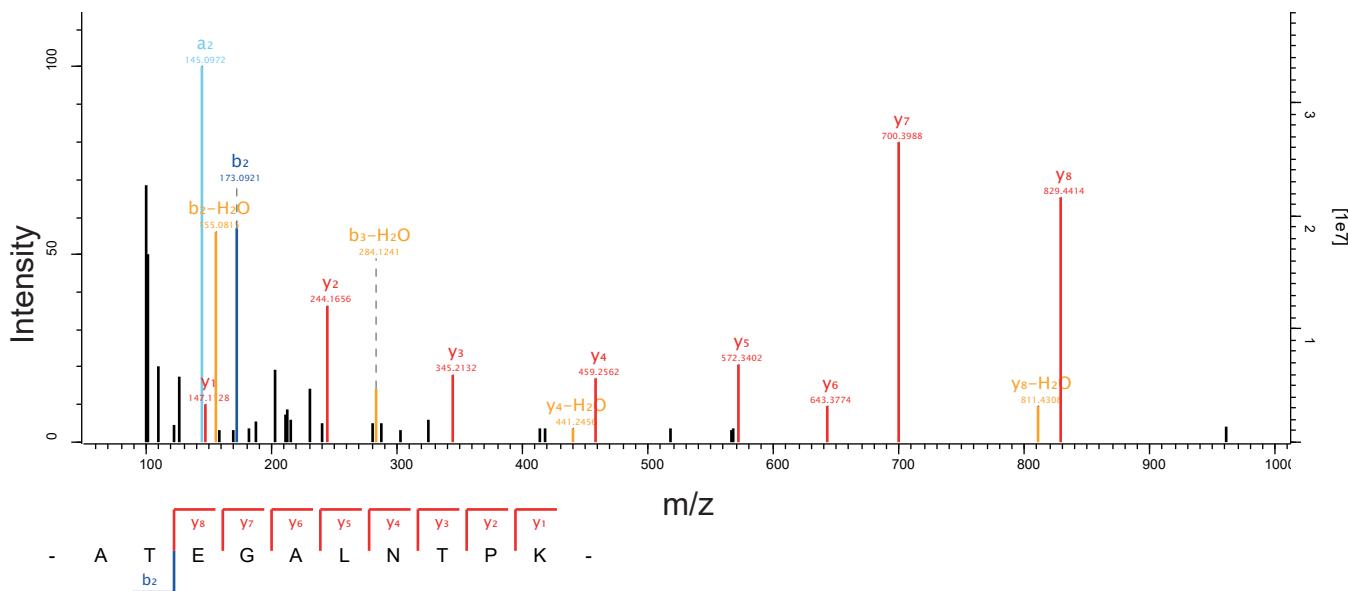


B cell line 721.221 A*11:01 with OE of Nucleocapsid HLA-I ATEGALNTPK

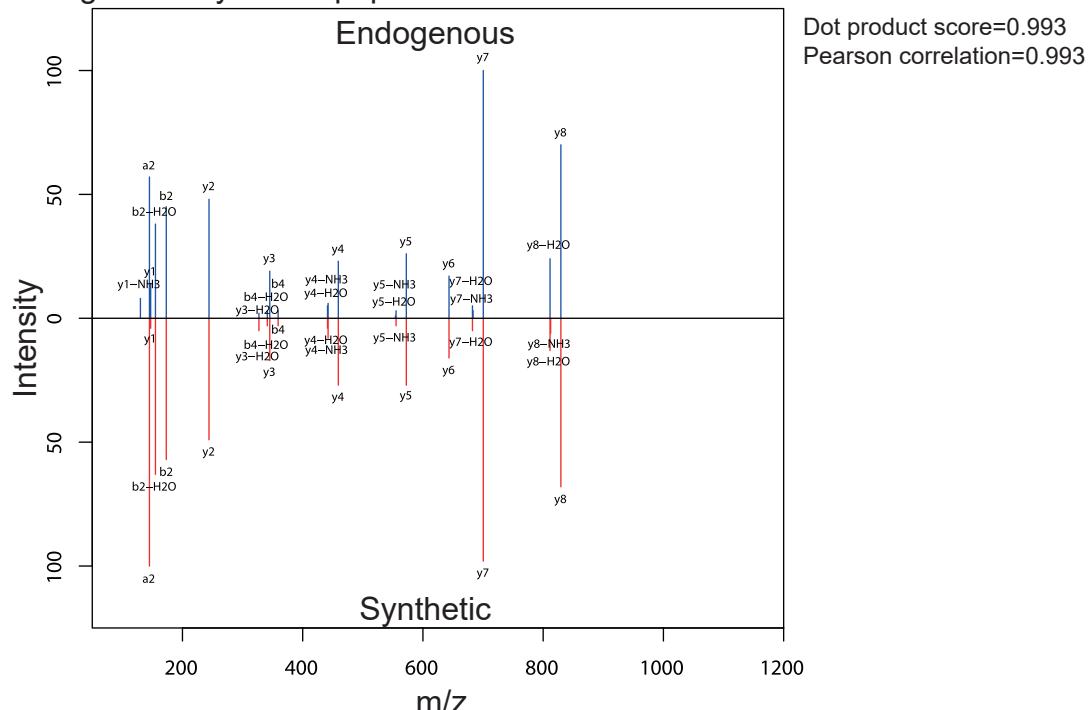
Endogenous peptide



Synthetic peptide

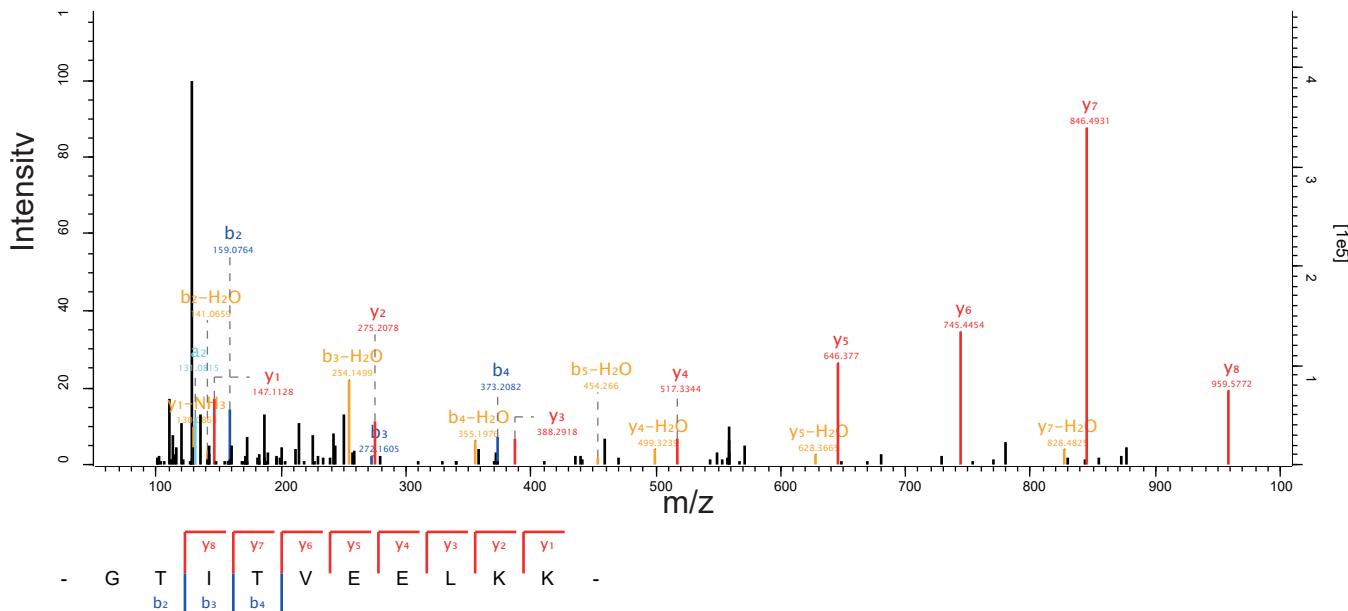


Endogenous/Synthetic peptide correlation

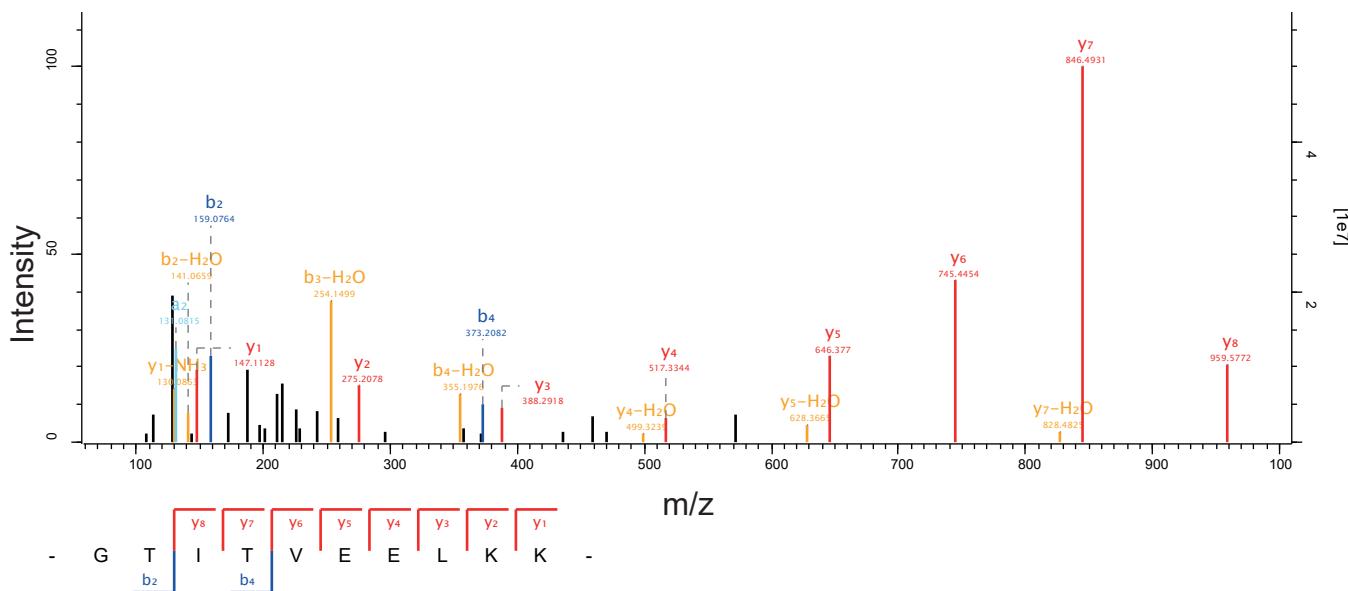


B cell line 721.221 A*11:01 with OE of Membrane HLA-I GTITVEELKK

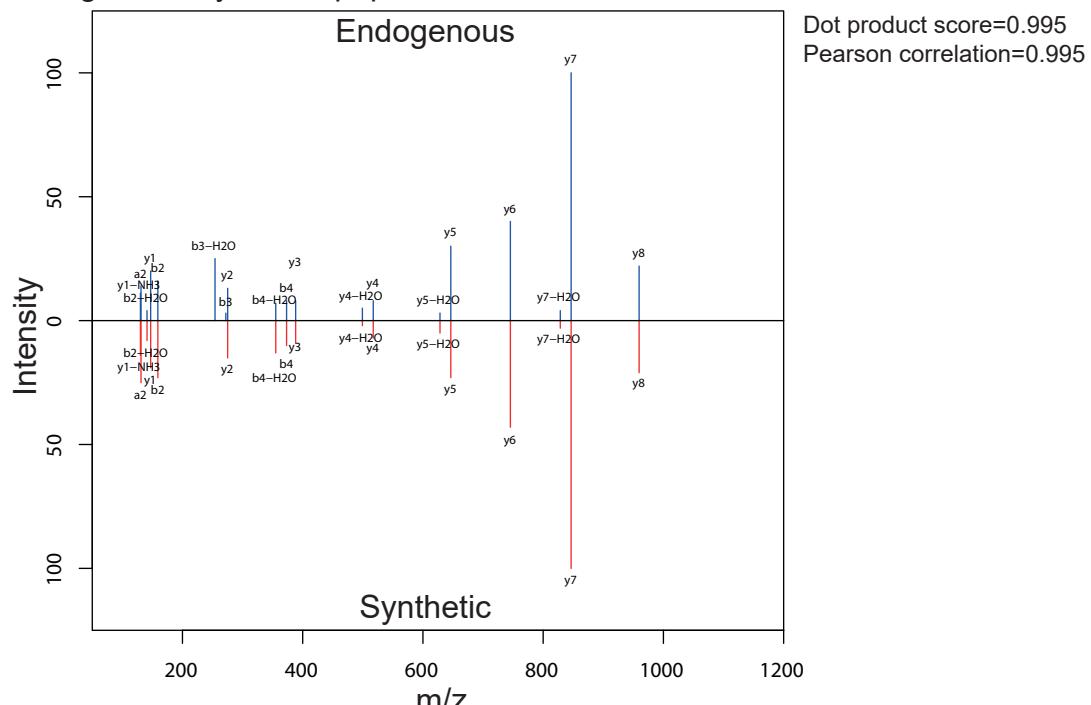
Endogenous peptide



Synthetic peptide

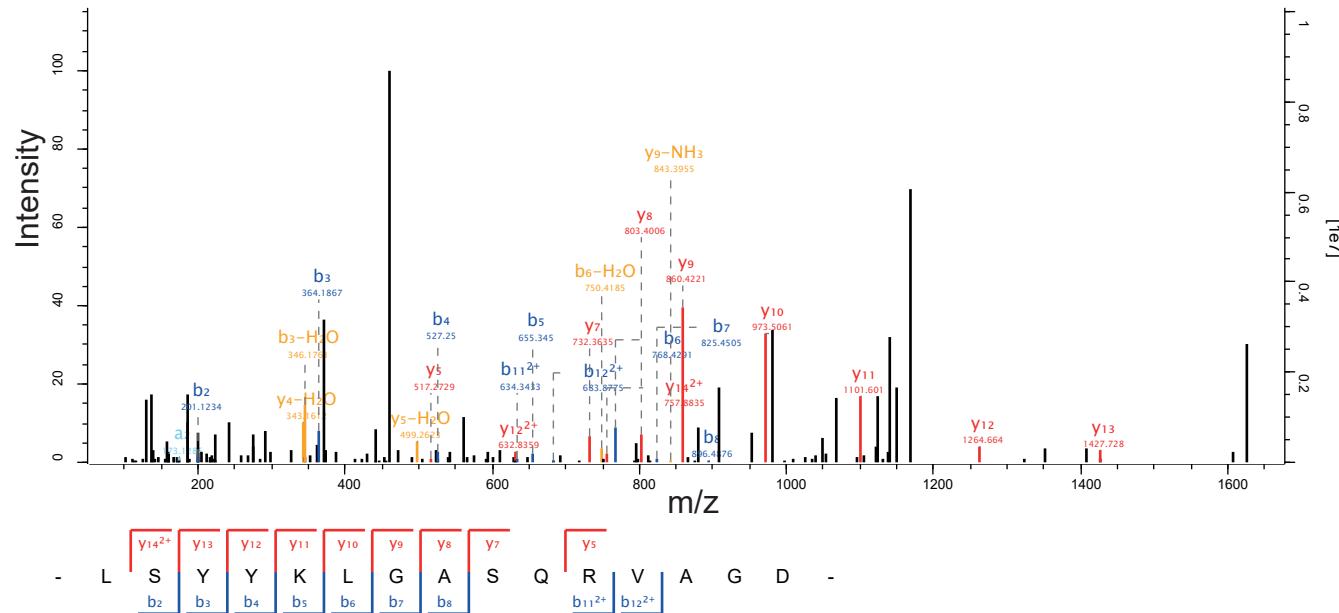


Endogenous/Synthetic peptide correlation

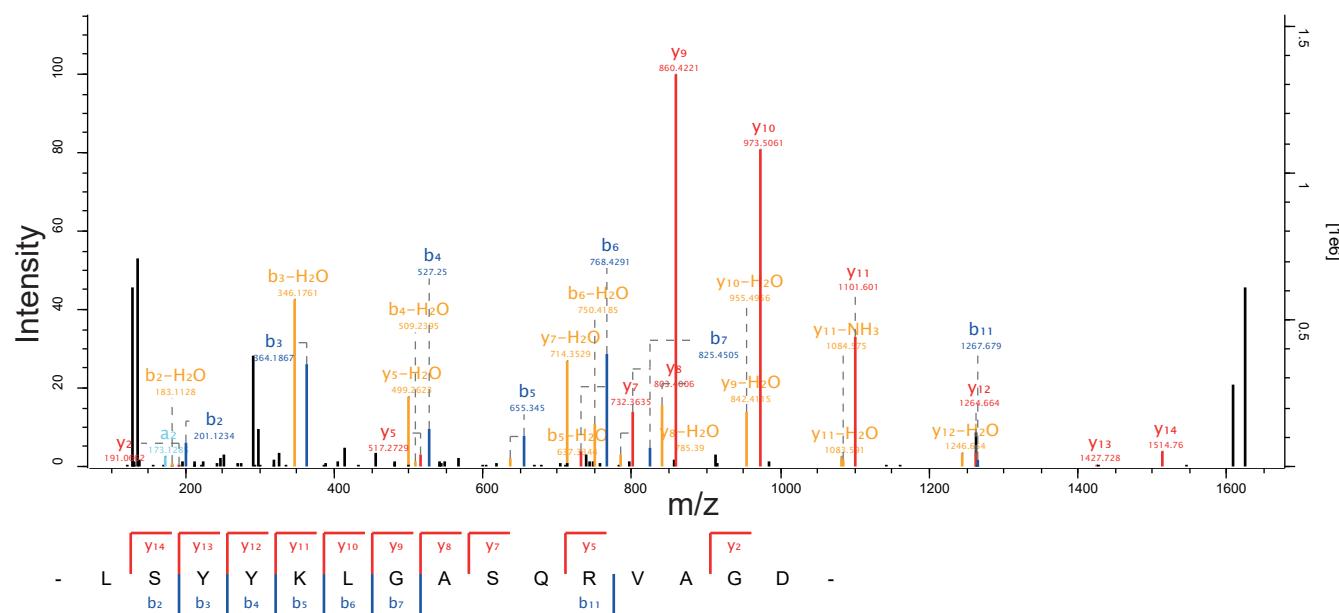


B cell line 721.221 A*11:01 with OE of Membrane HLA-II LSYYKLGASQRVAGD

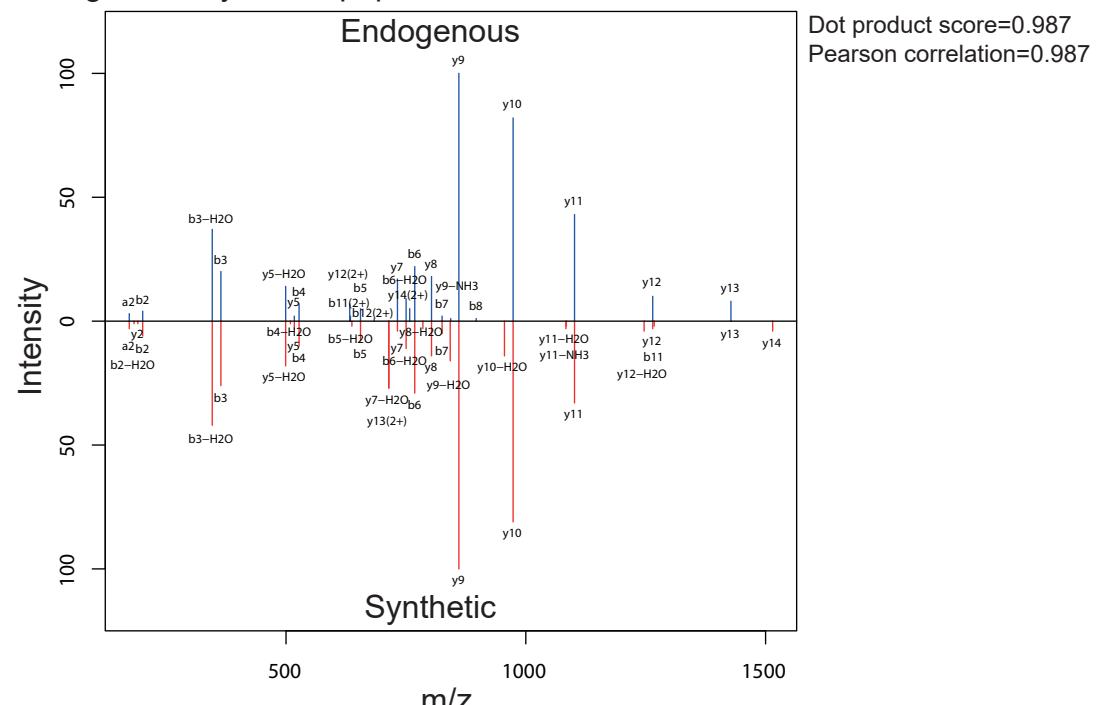
Endogenous peptide



Synthetic peptide

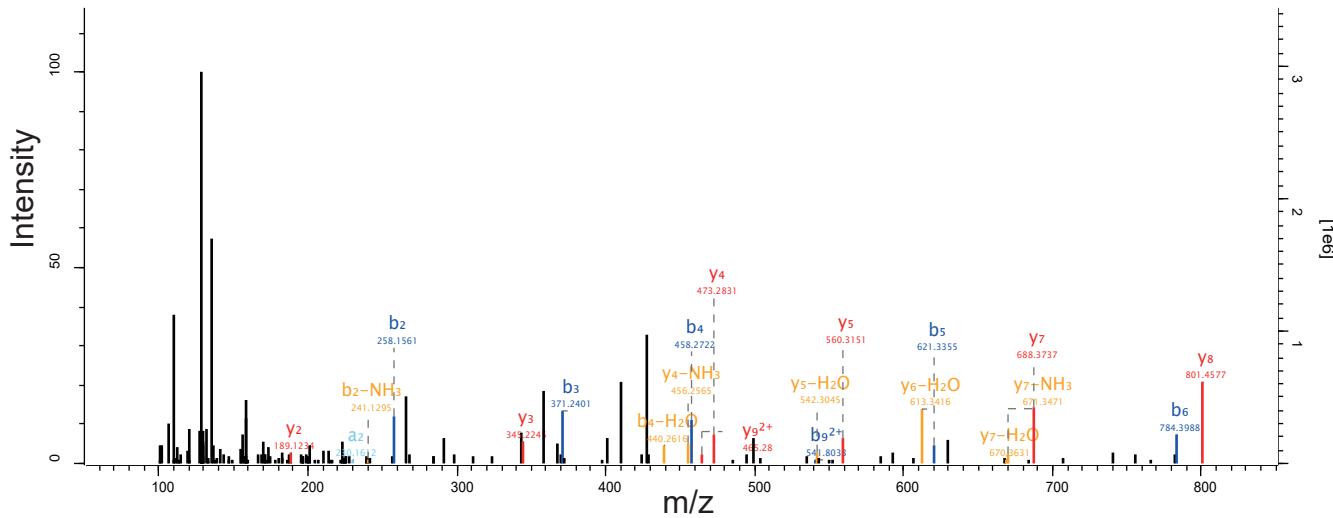


Endogenous/Synthetic peptide correlation

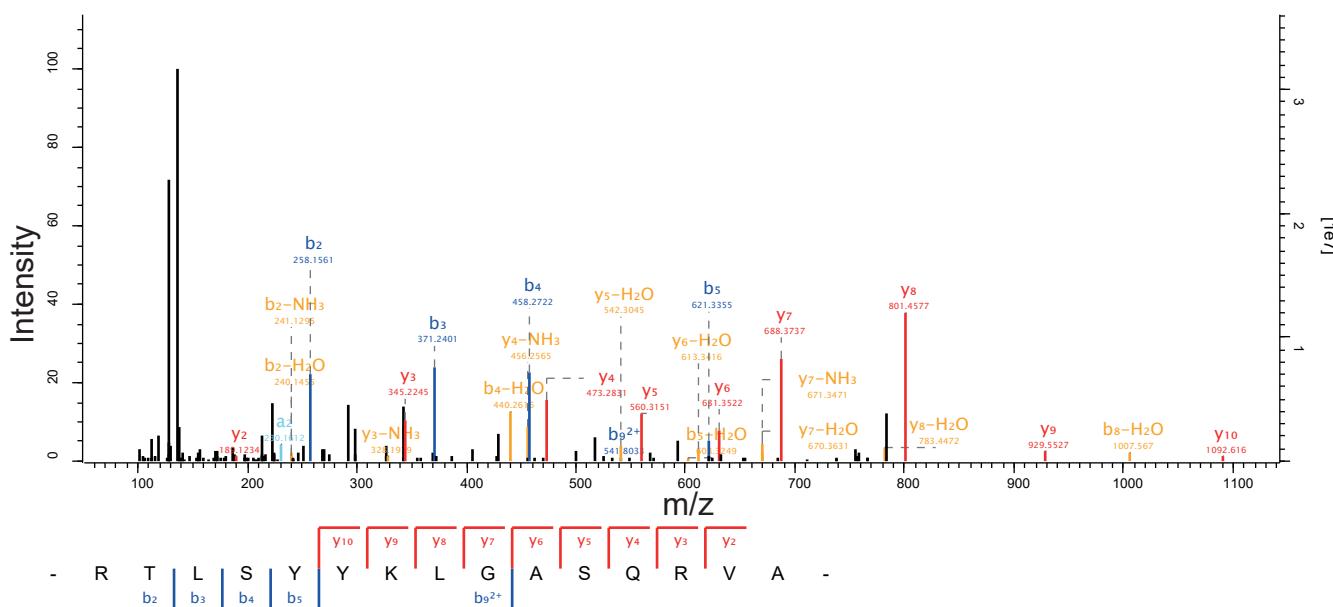


B cell line 721.221 A*11:01 with OE of Membrane HLA-II RTLSYYKLGASQRVA

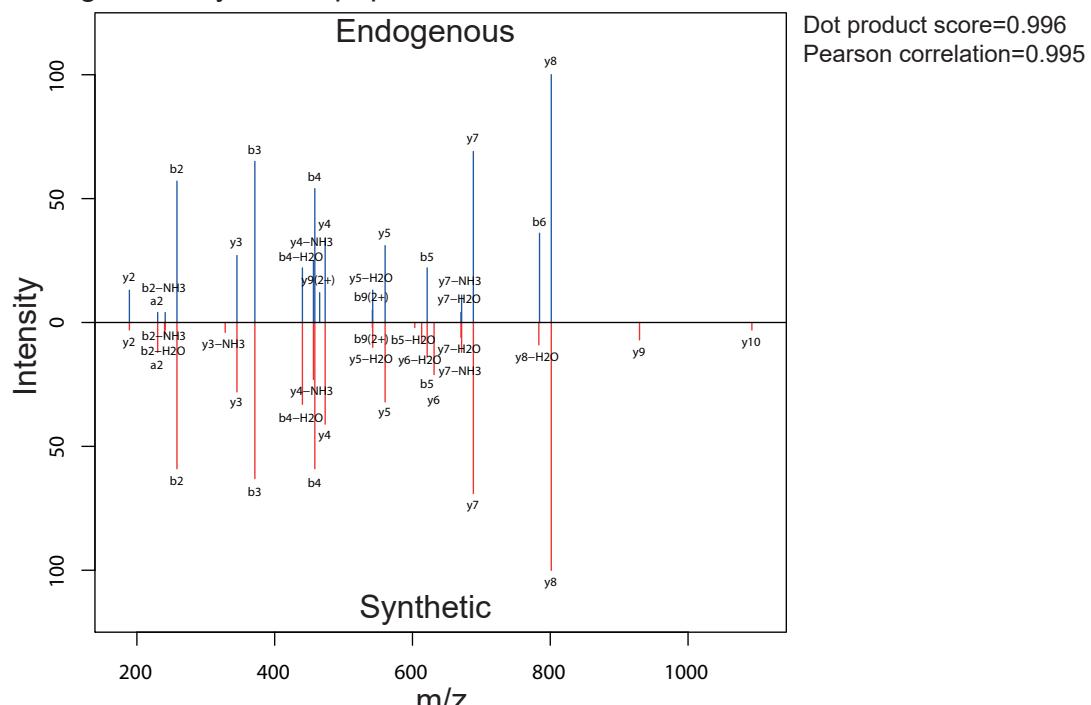
Endogenous peptide



Synthetic peptide

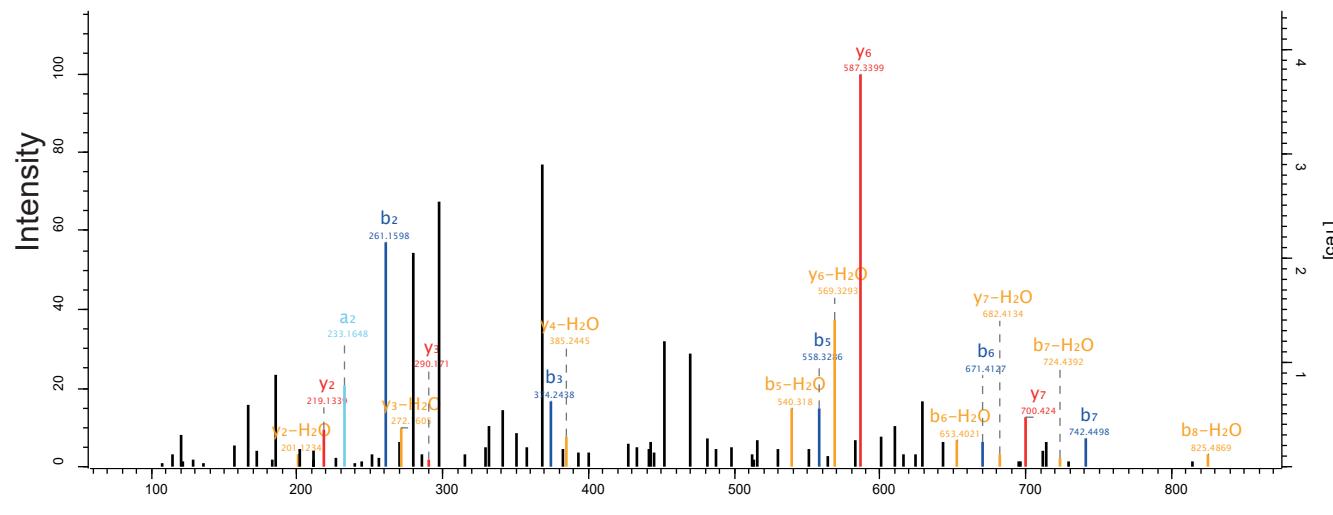


Endogenous/Synthetic peptide correlation

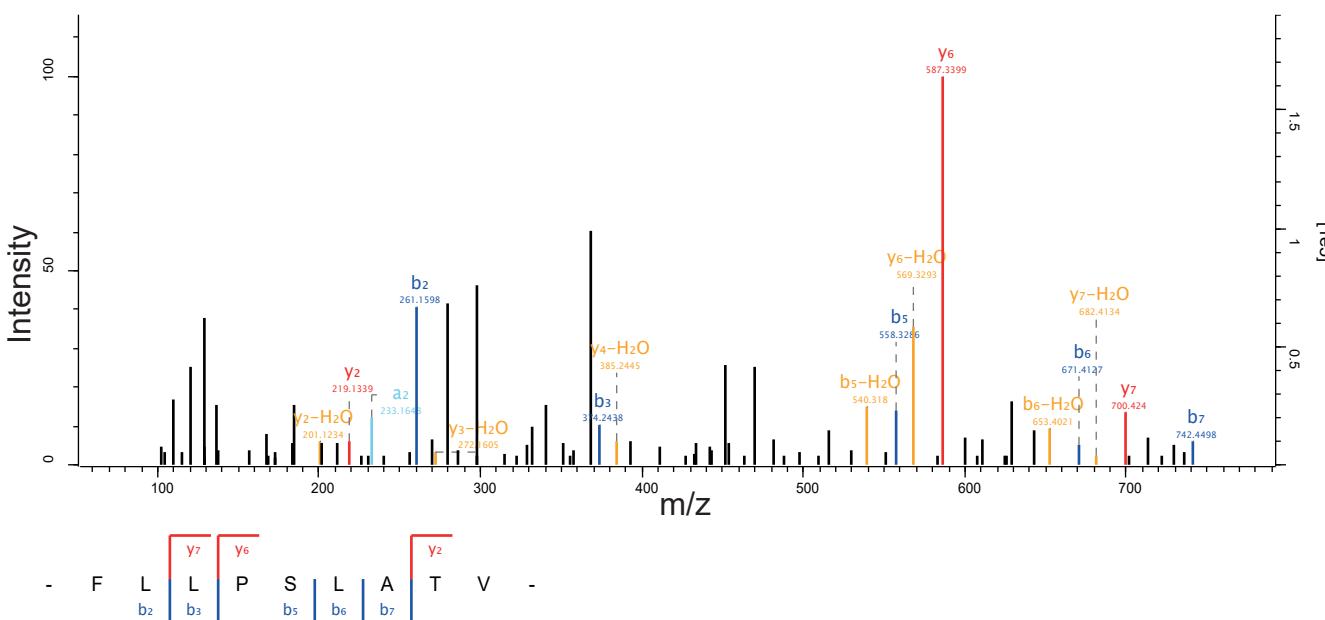


B cell line 721.221 A*02:01 with OE of nsp6 HLA-I FLLPSLATV

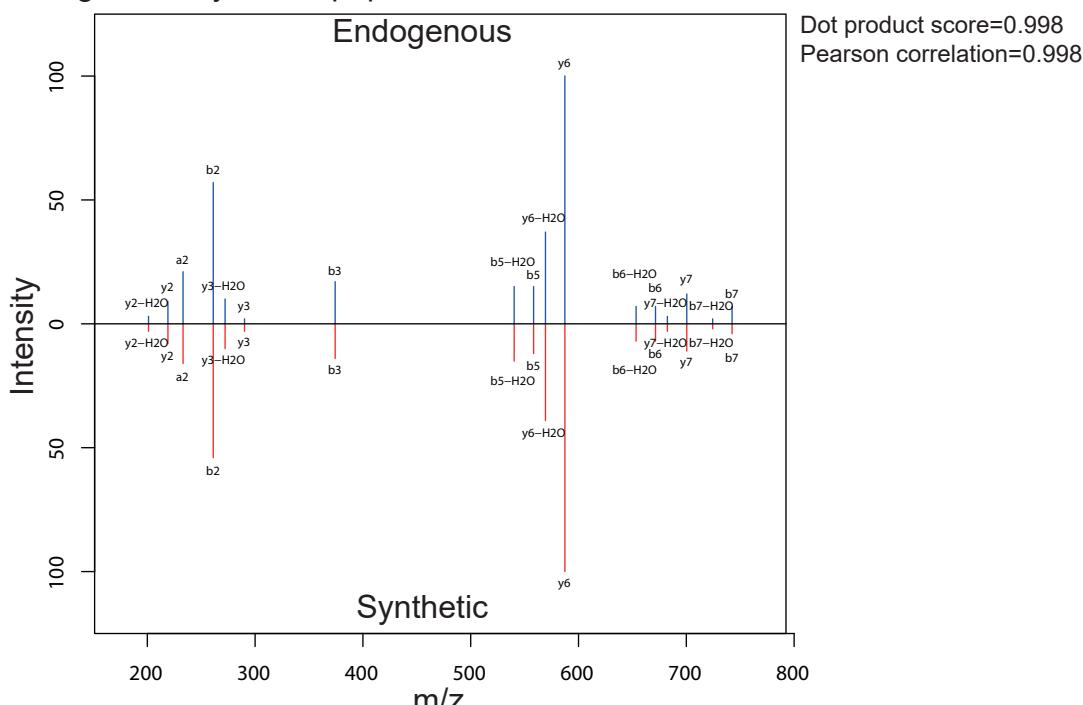
Endogenous peptide



Synthetic peptide

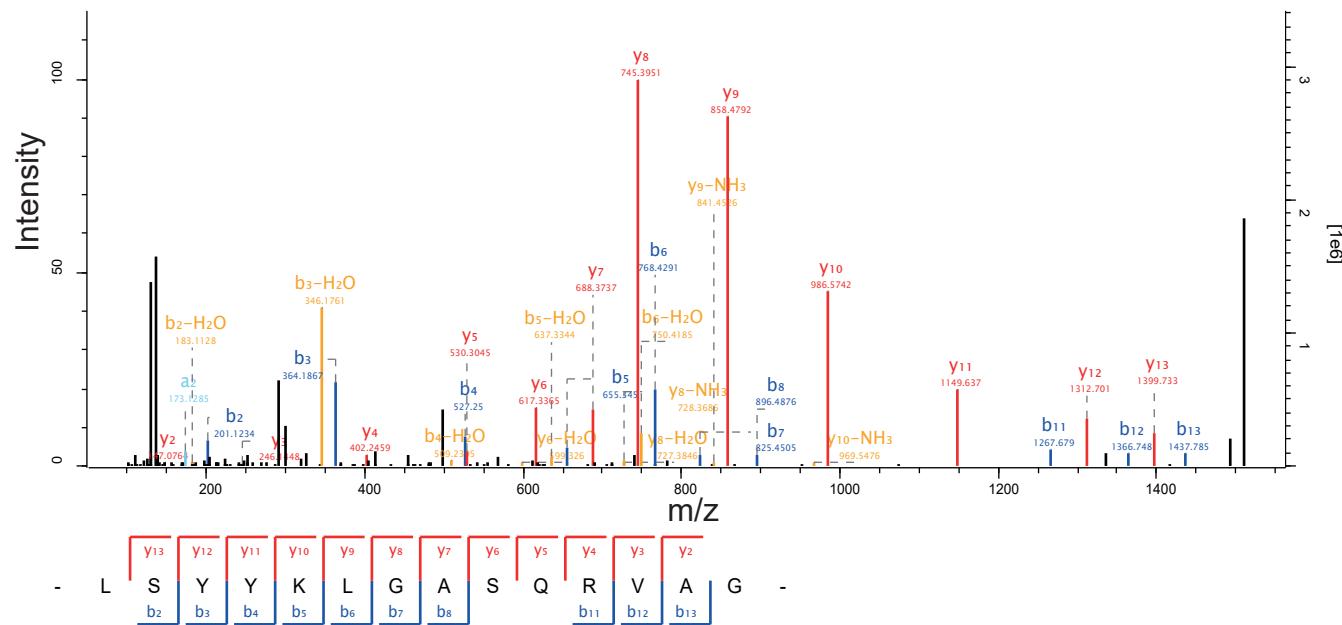


Endogenous/Synthetic peptide correlation

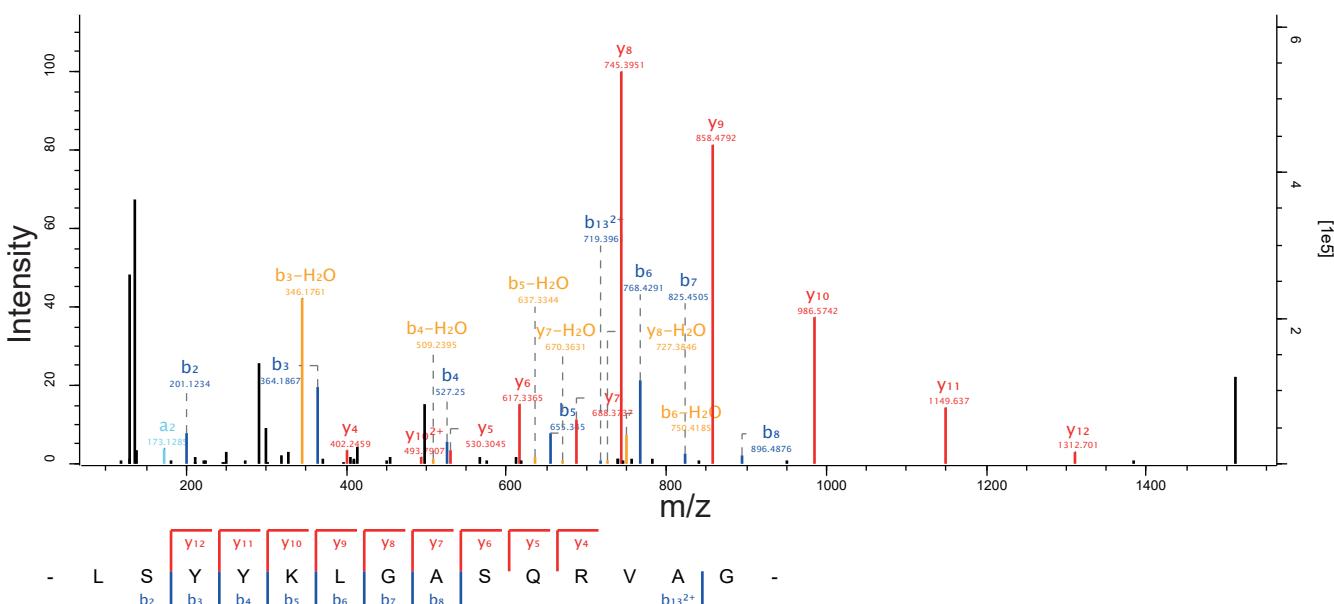


B cell line 721.221 A*02:01 with OE of Membrane HLA-II LSYYKLGASQRVAG

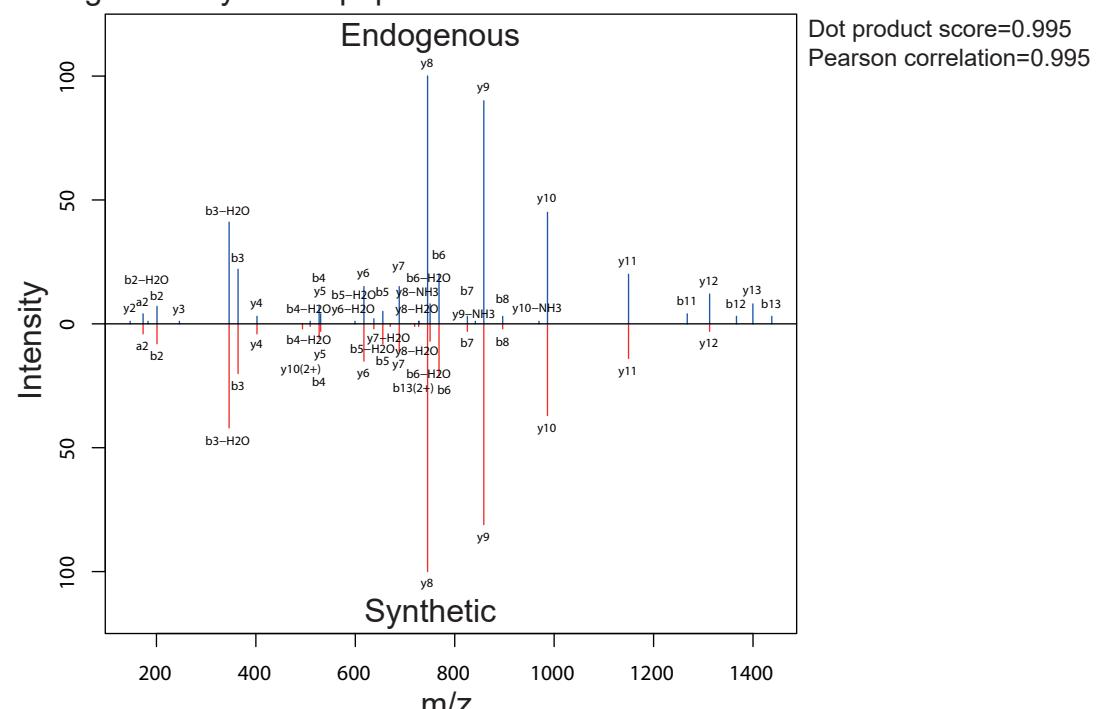
Endogenous peptide



Synthetic peptide

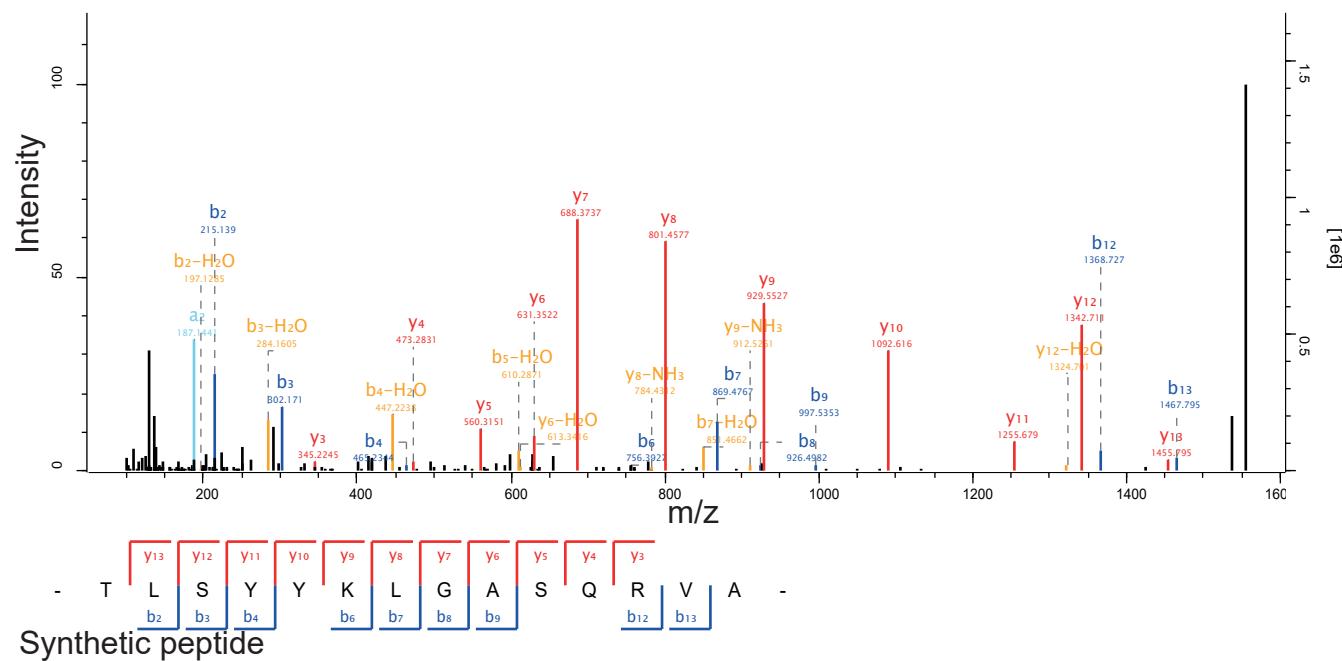


Endogenous/Synthetic peptide correlation

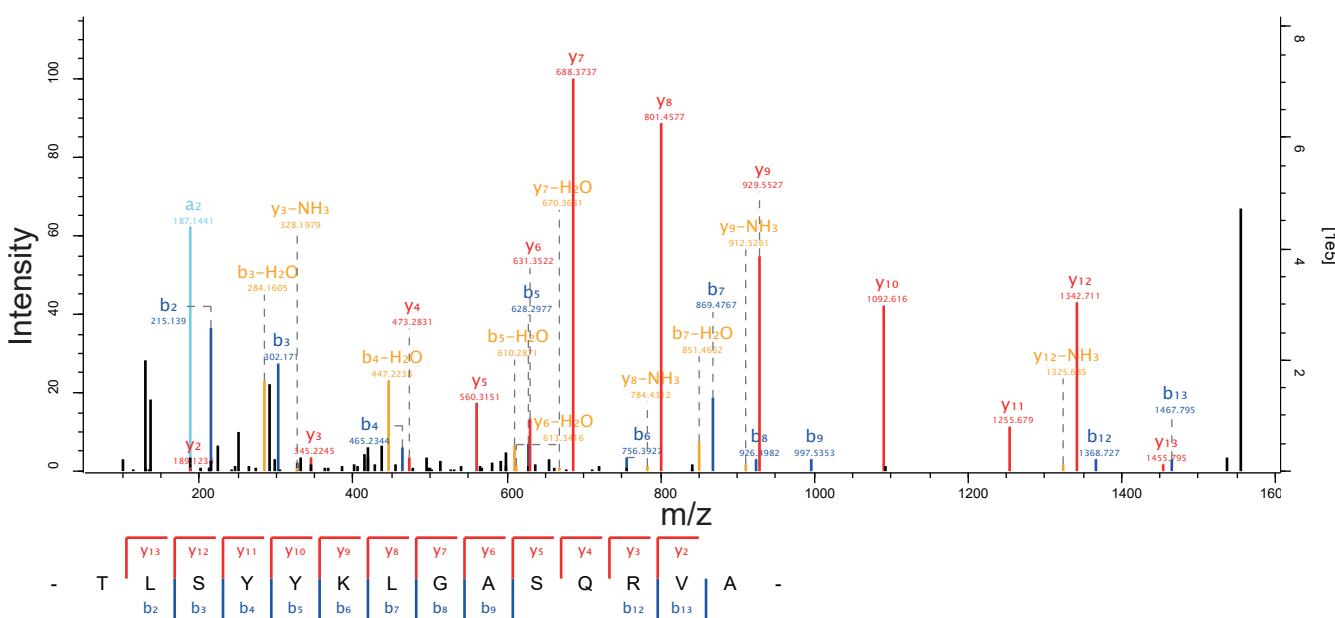


B cell line 721.221 A*02:01 with OE of Membrane HLA-II TLSYYKLGASQRVA

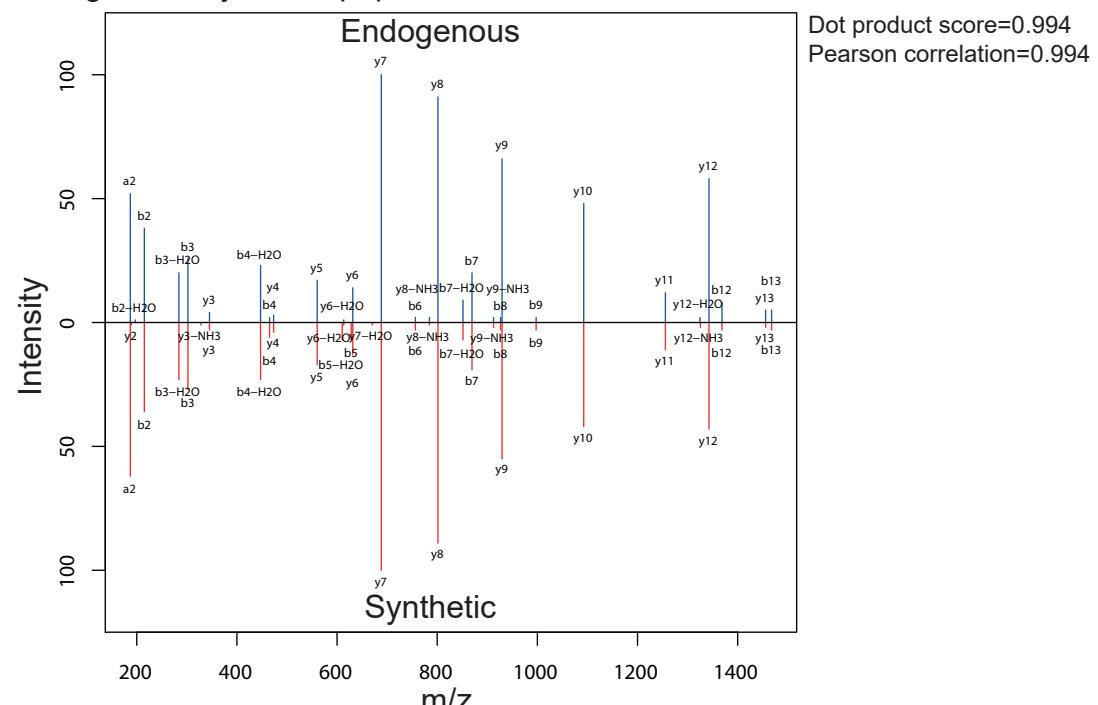
Endogenous peptide



Synthetic peptide

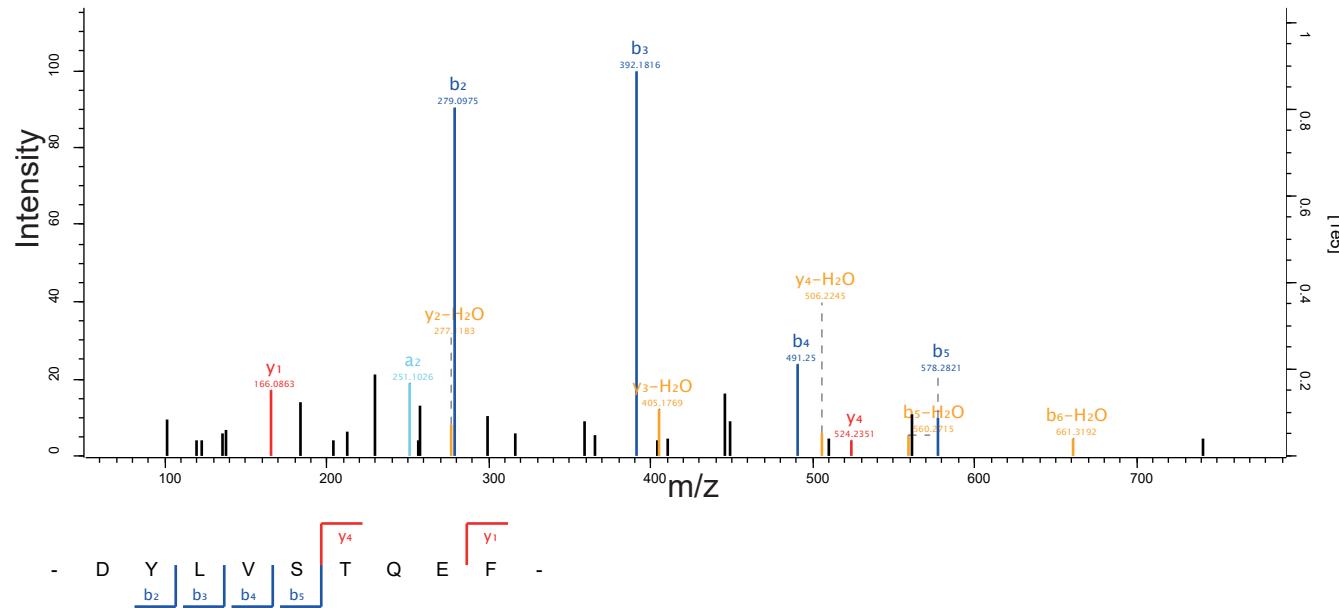


Endogenous/Synthetic peptide correlation

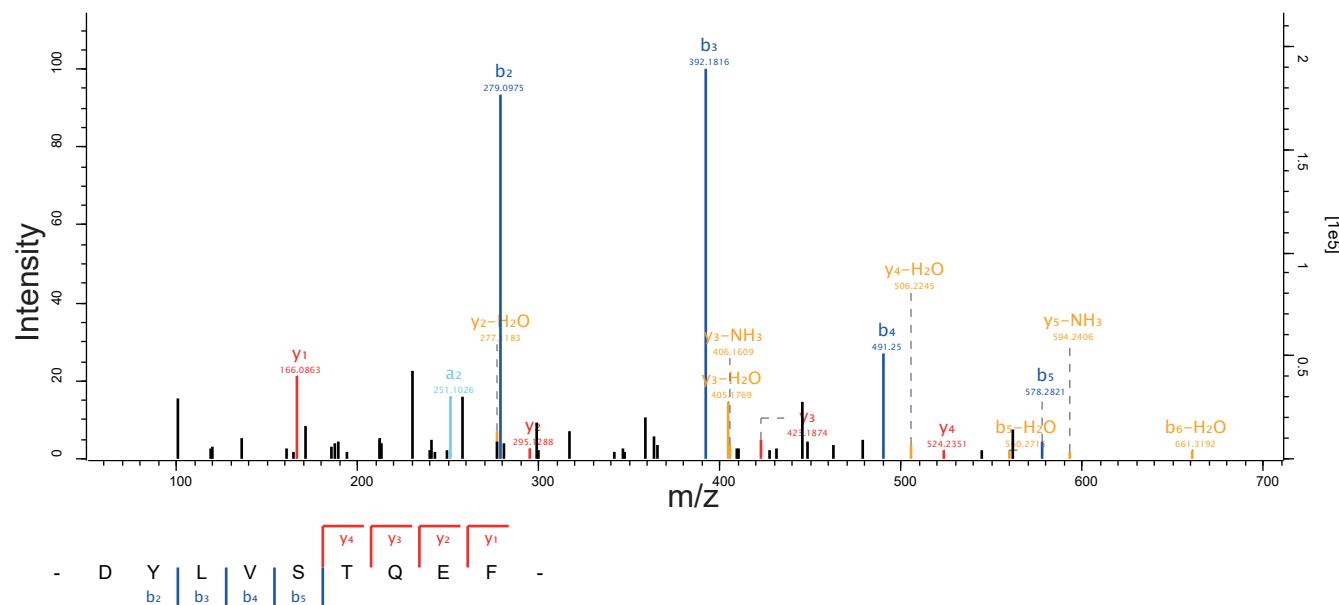


B cell line 721.221 A*24:02 with OE of nsp6 HLA-I DYLVSTQEF

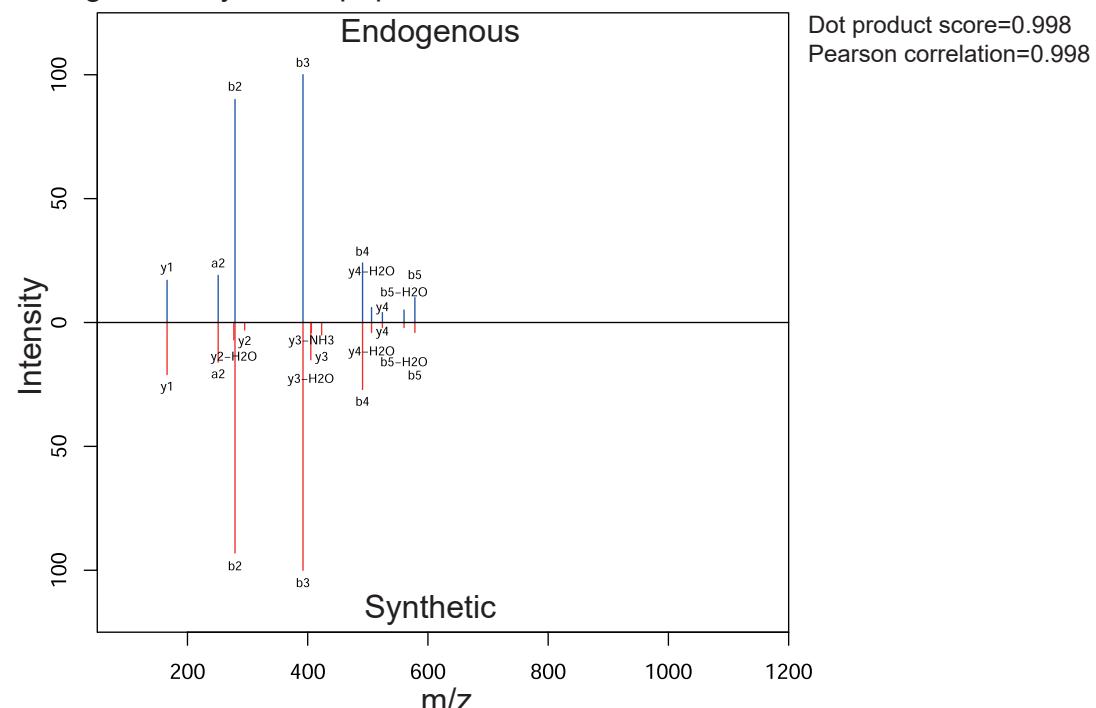
Endogenous peptide



Synthetic peptide

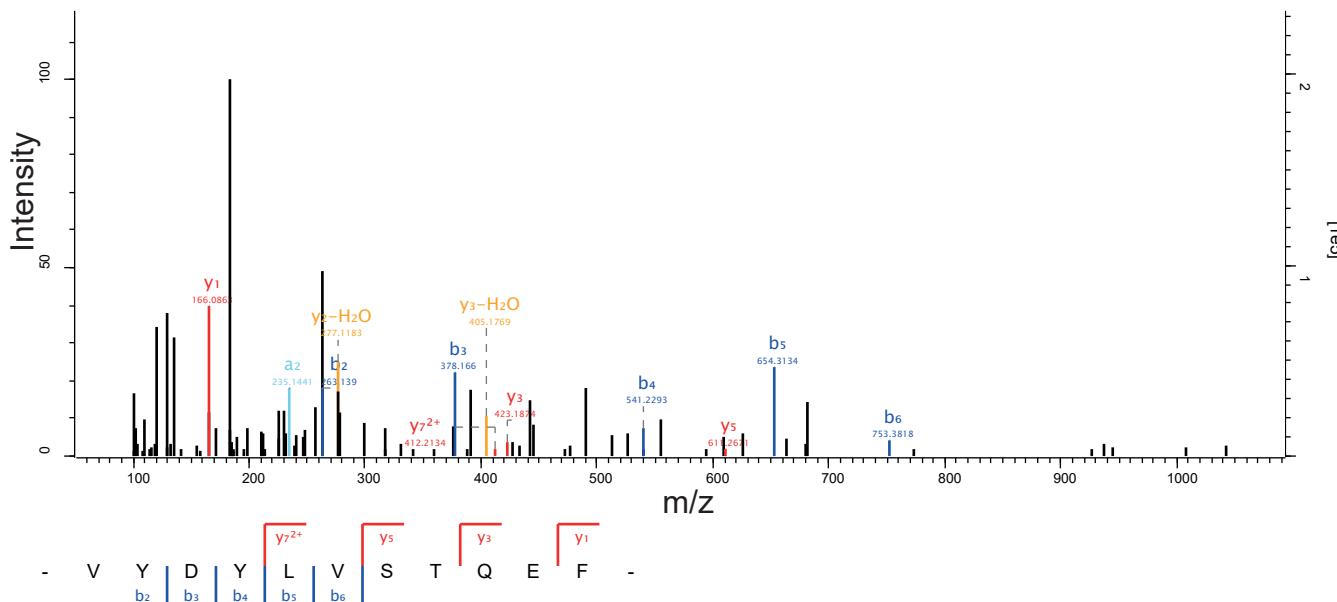


Endogenous/Synthetic peptide correlation

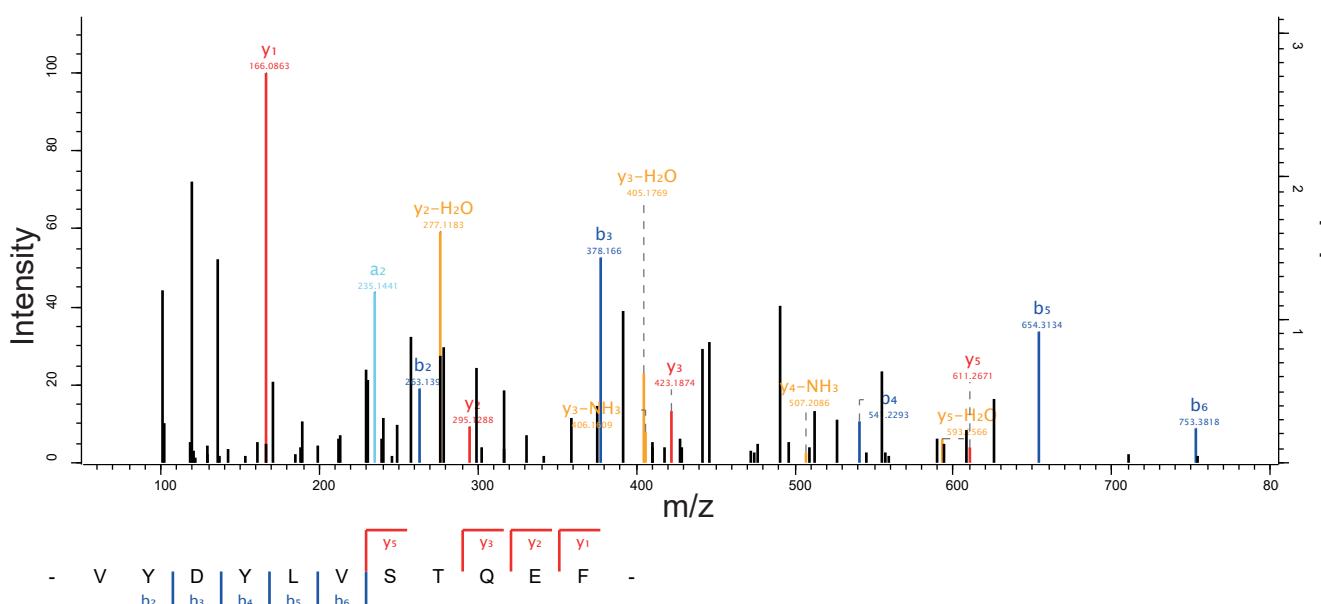


B cell line 721.221 A*24:02 with OE of nsp6 HLA-I VYDYLVSTQEF

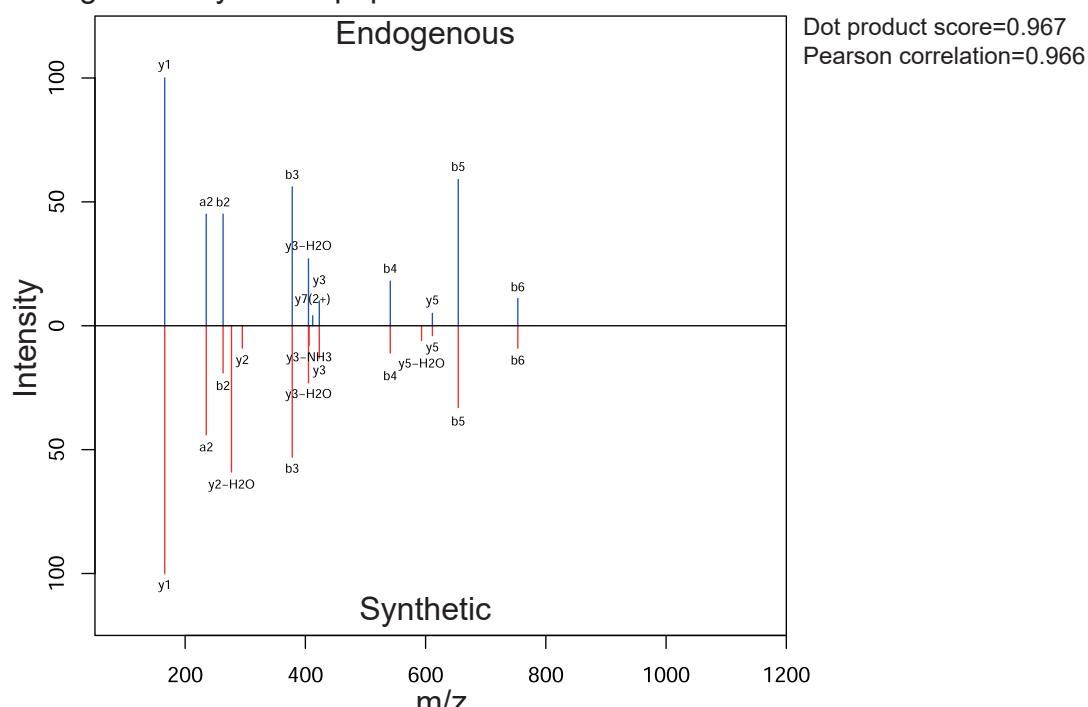
Endogenous peptide



Synthetic peptide

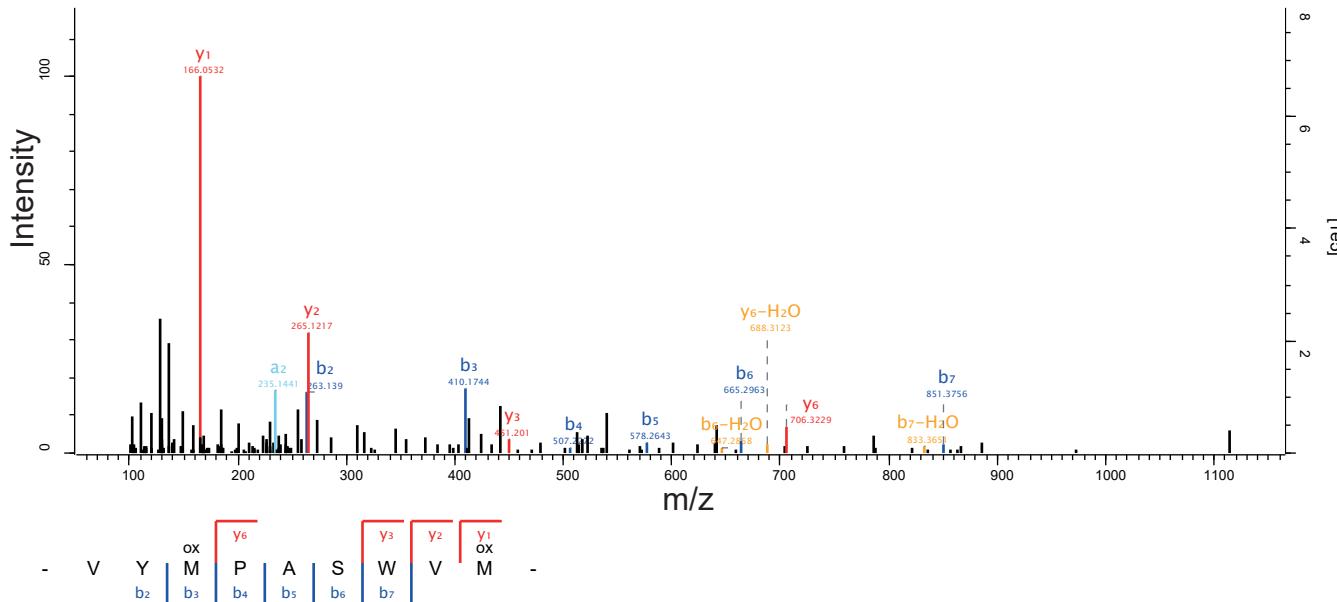


Endogenous/Synthetic peptide correlation

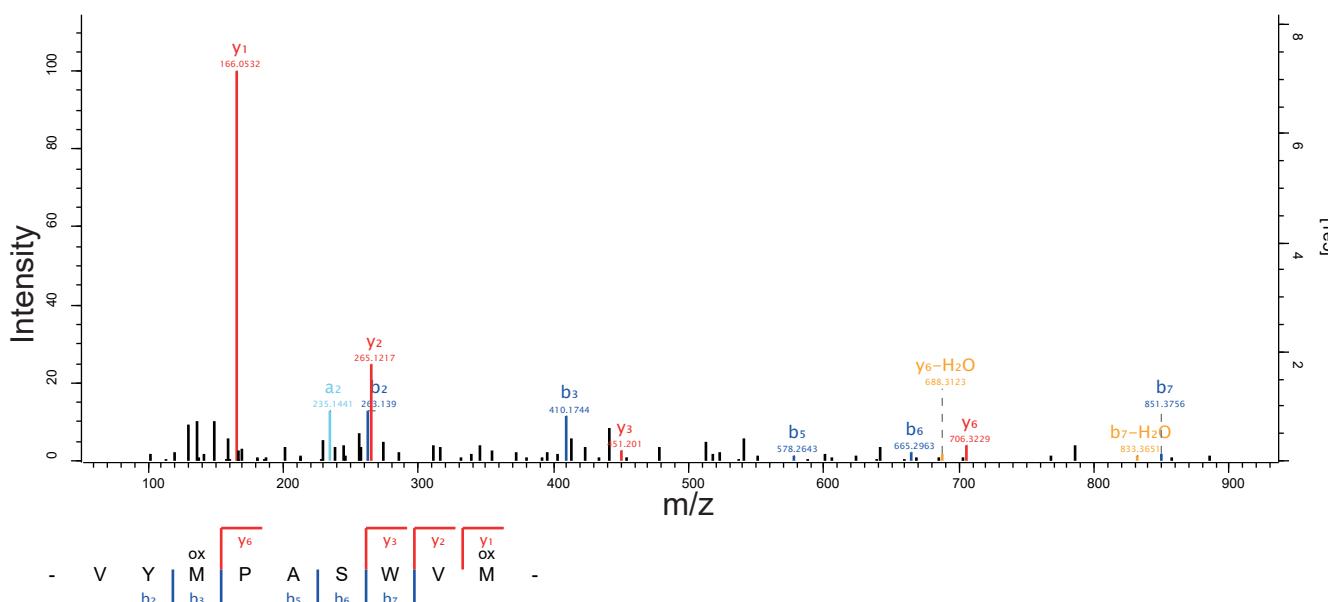


B cell line 721.221 A*24:02 with OE of nsp6 HLA-I VYMPASWVM

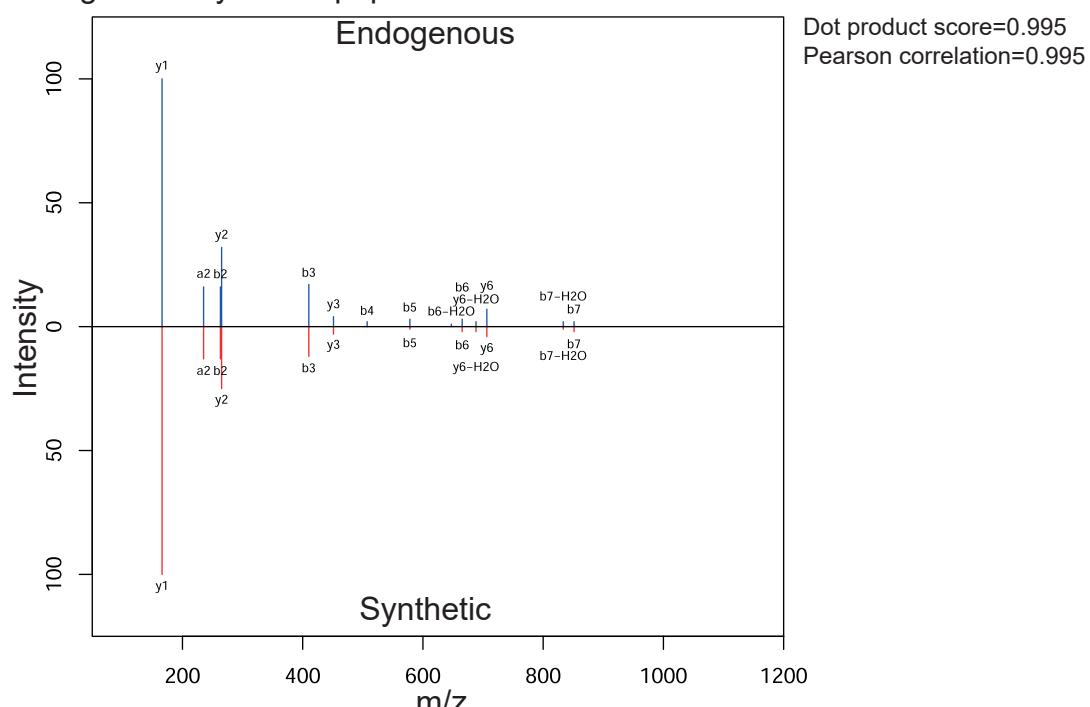
Endogenous peptide



Synthetic peptide

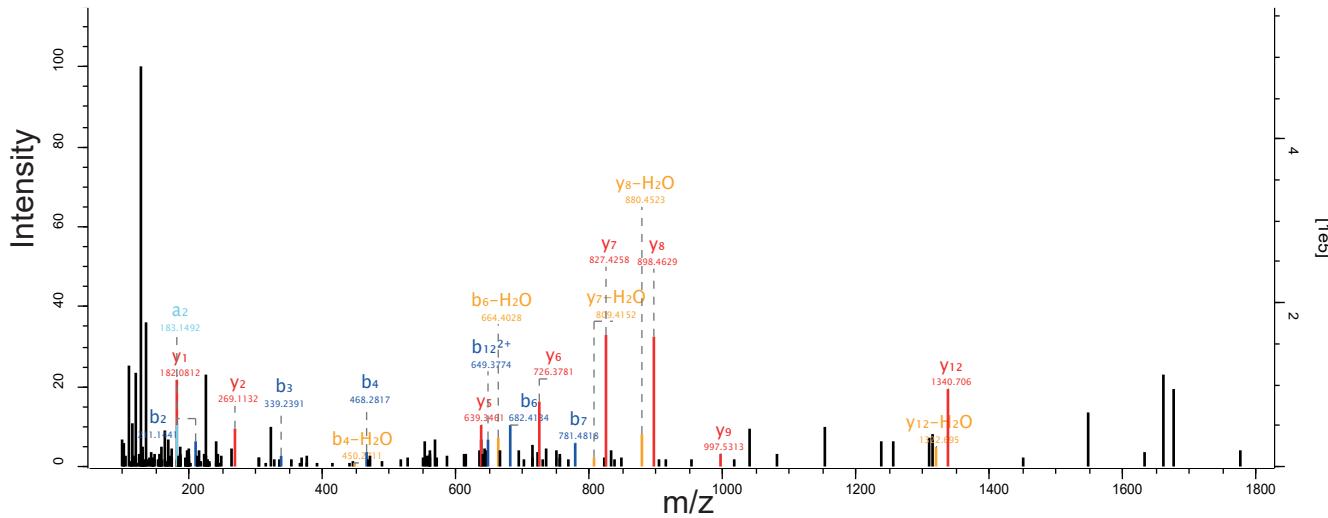


Endogenous/Synthetic peptide correlation

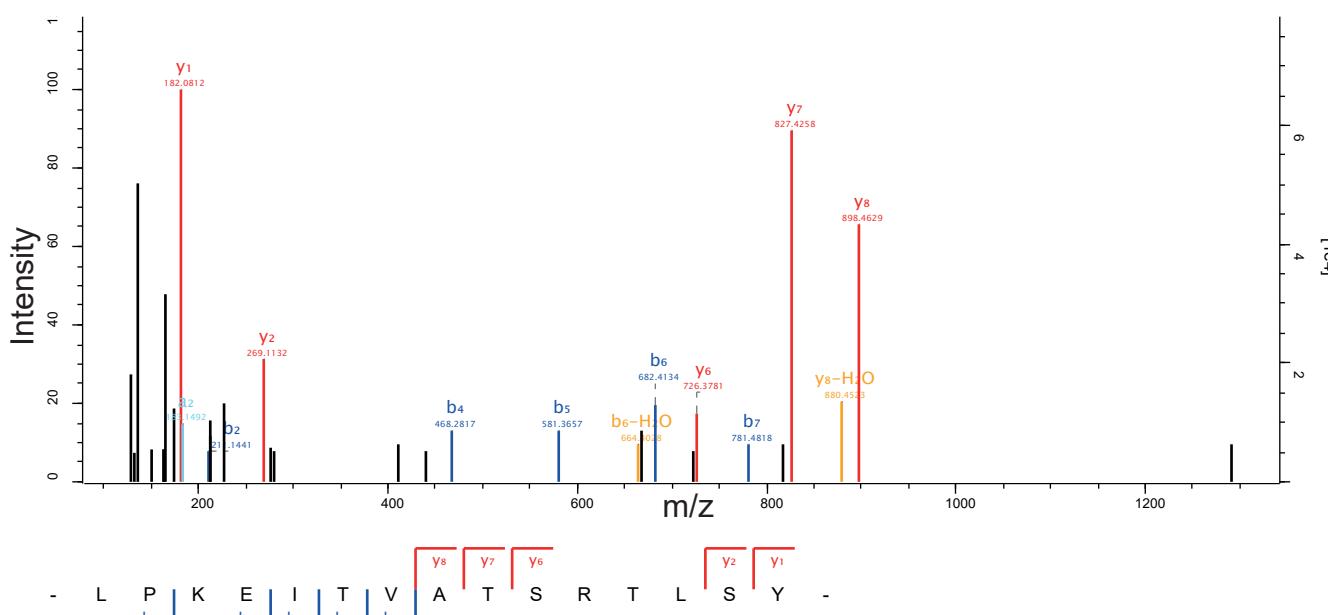


B cell line 721.221 A*24:02 with OE of Membrane HLA-II LPKEITVATSRTLSY

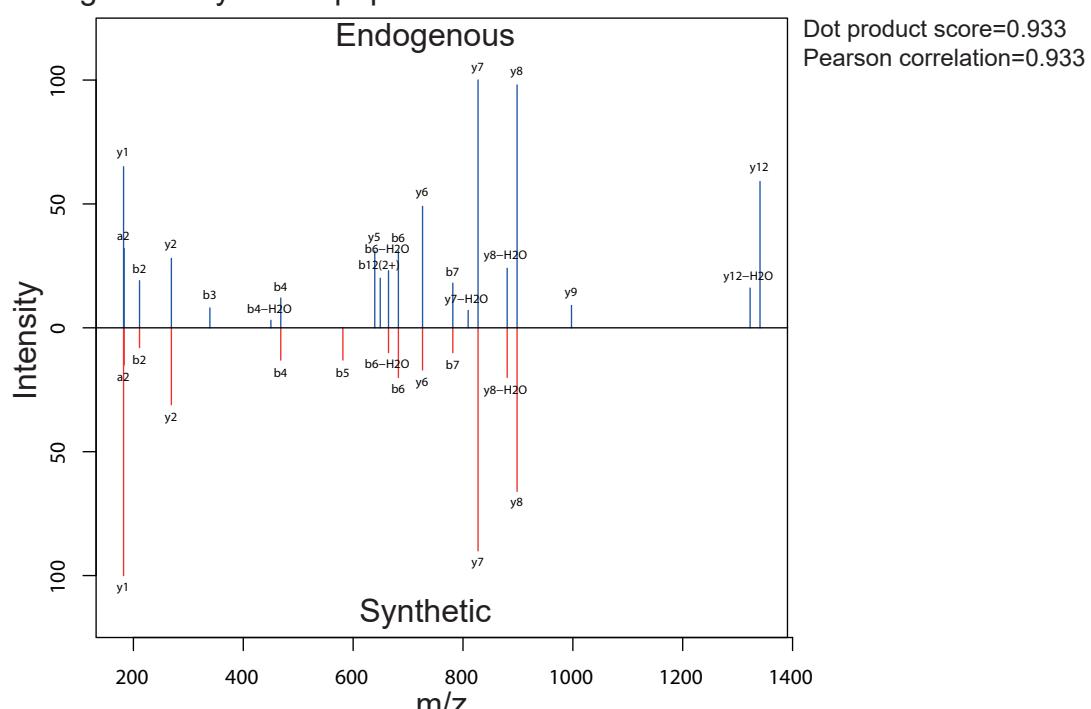
Endogenous peptide



Synthetic peptide

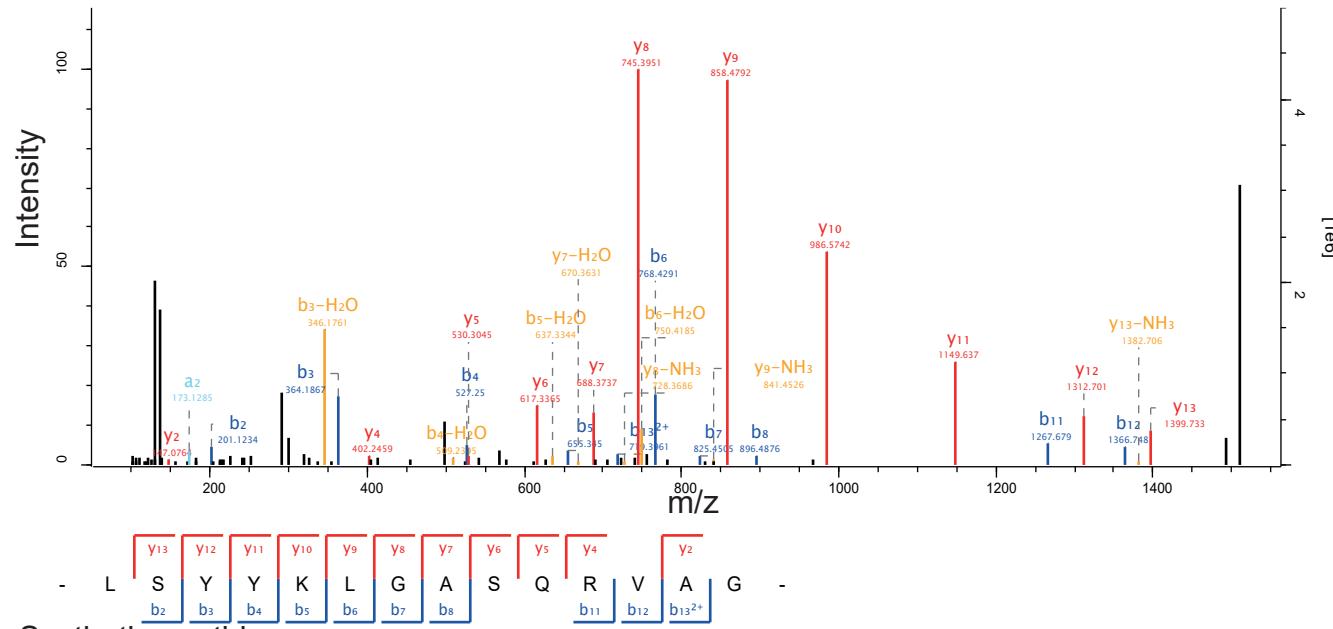


Endogenous/Synthetic peptide correlation

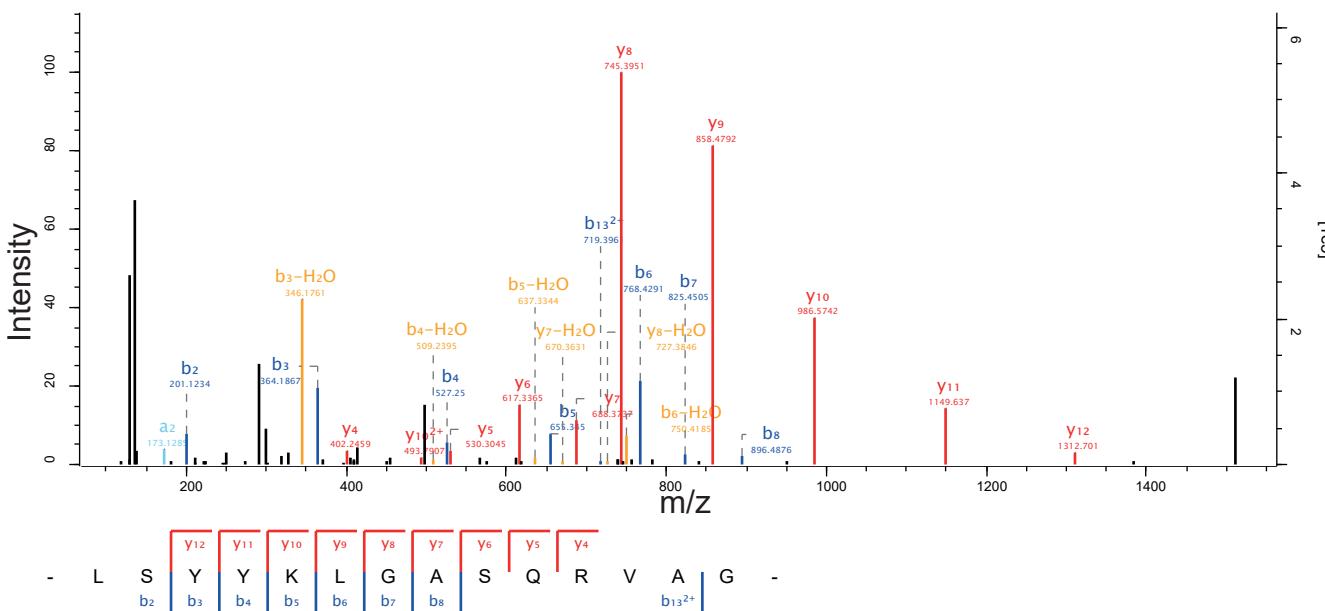


B cell line 721.221 A*24:02 with OE of Membrane HLA-II LSYYKLGASQRVAG

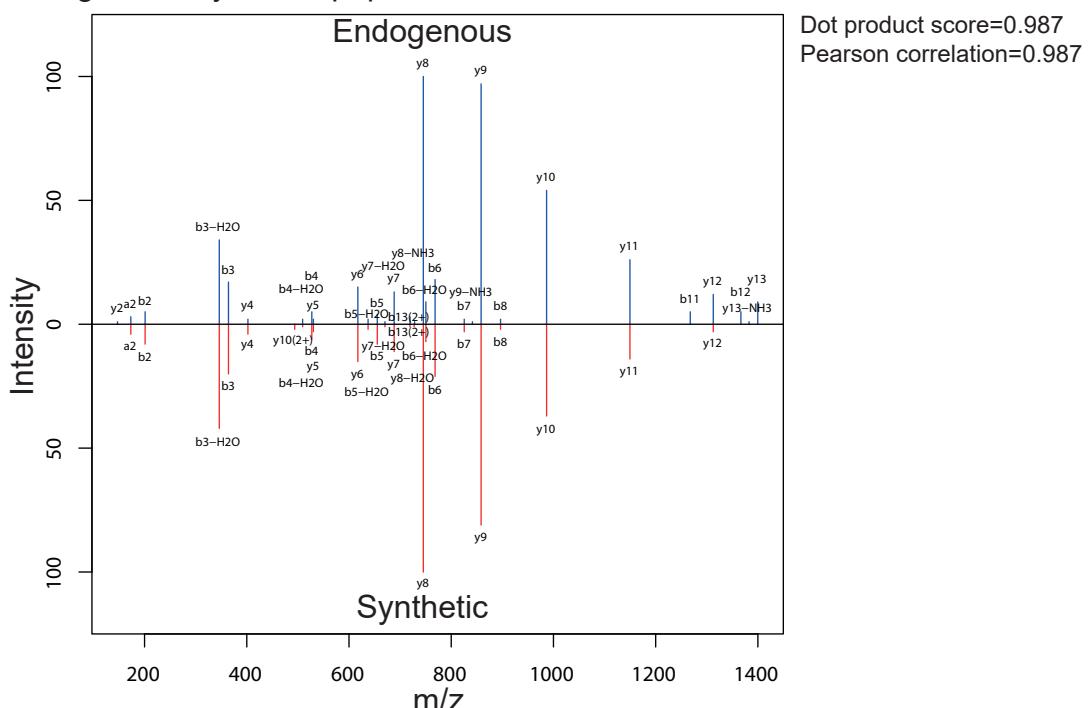
Endogenous peptide



Synthetic peptide

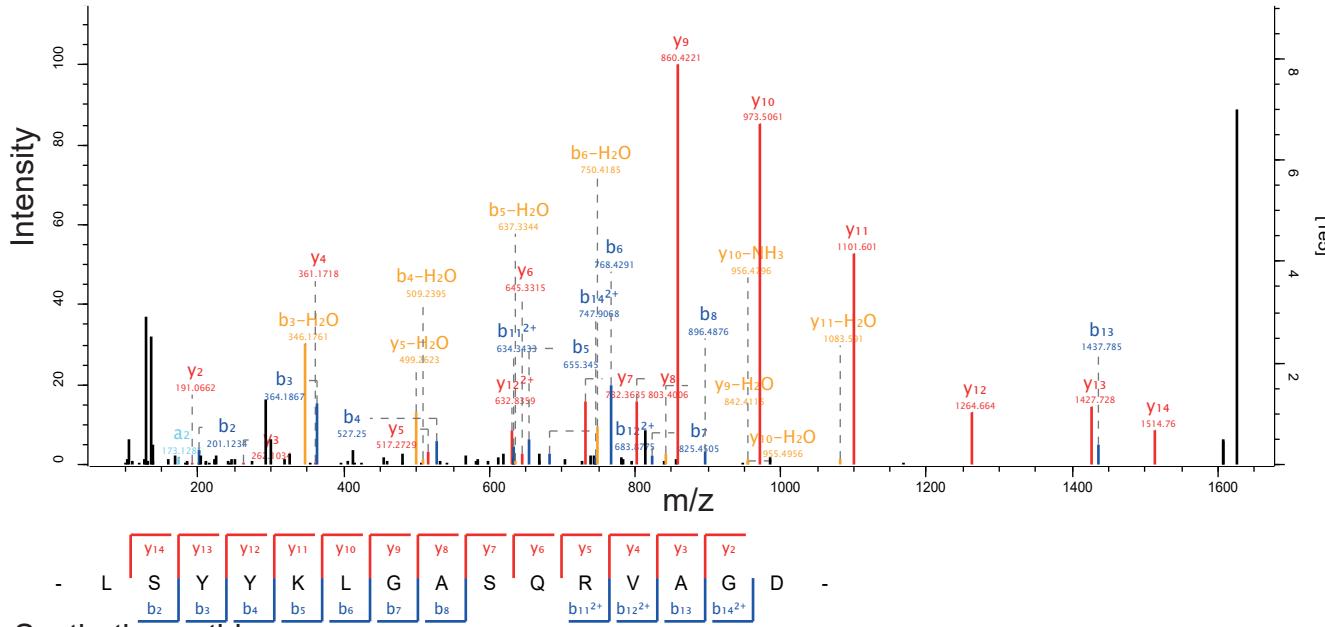


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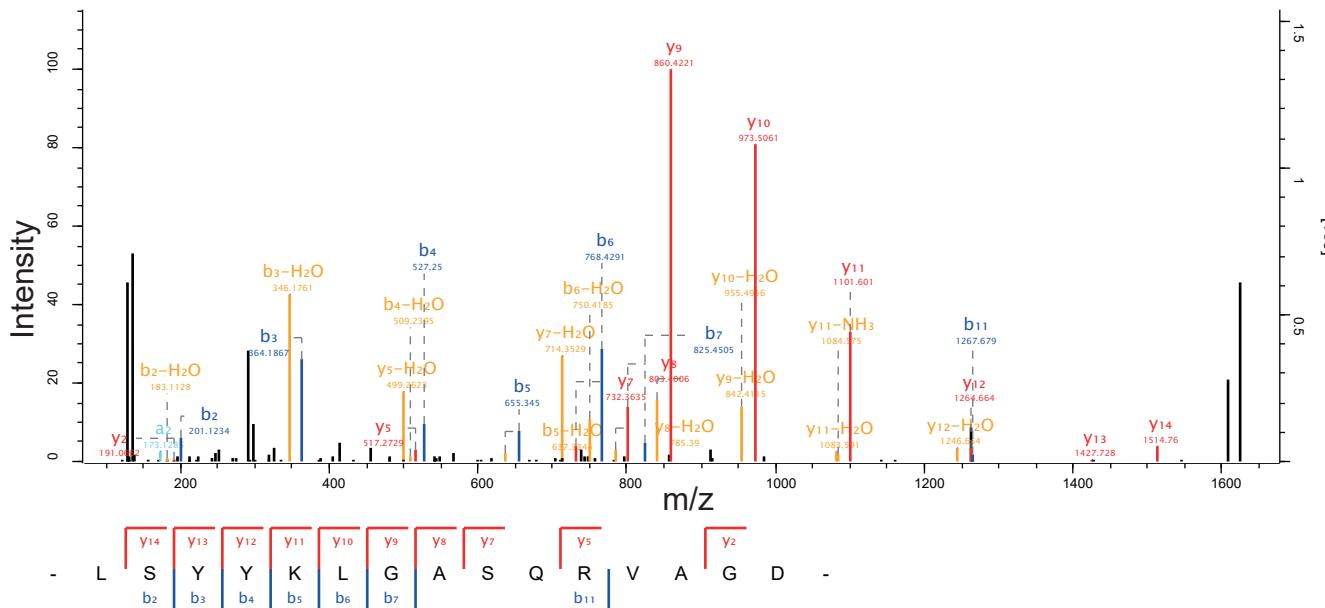


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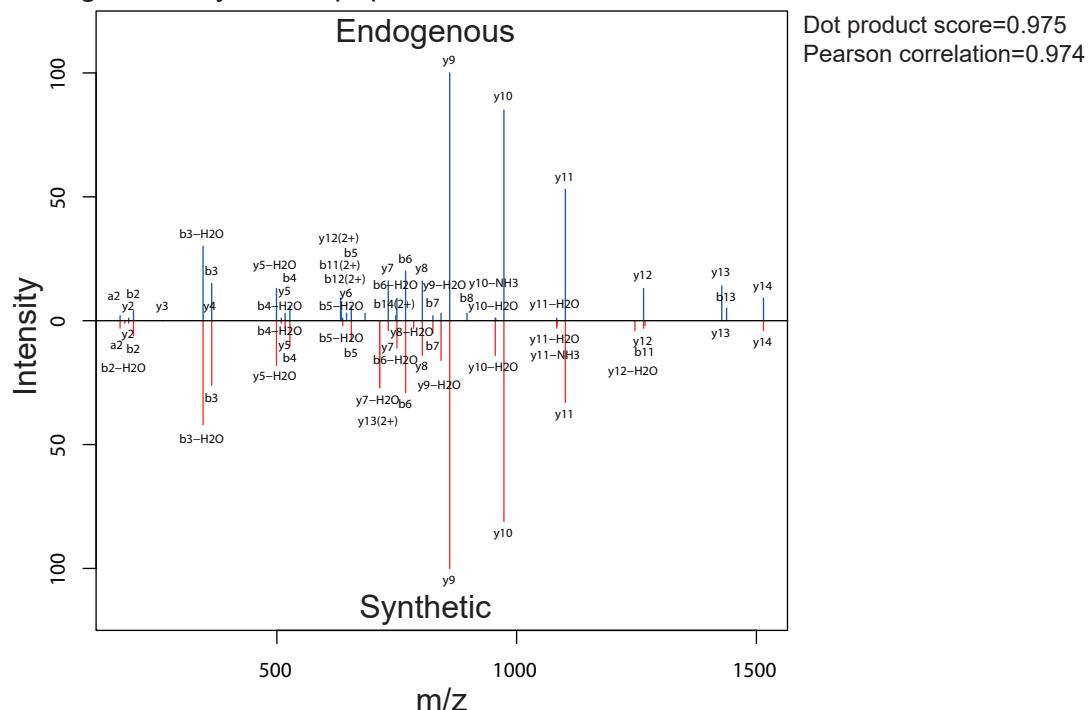
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Synthetic peptide

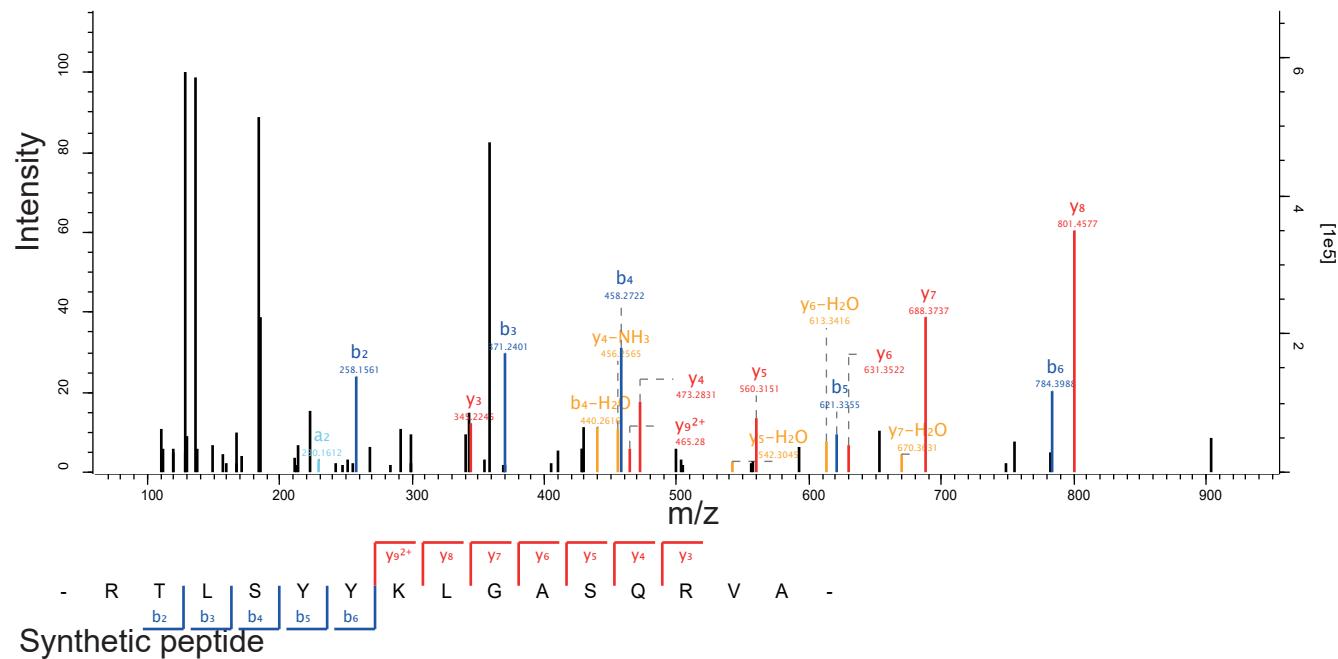


Endogenous/Synthetic peptide correlation

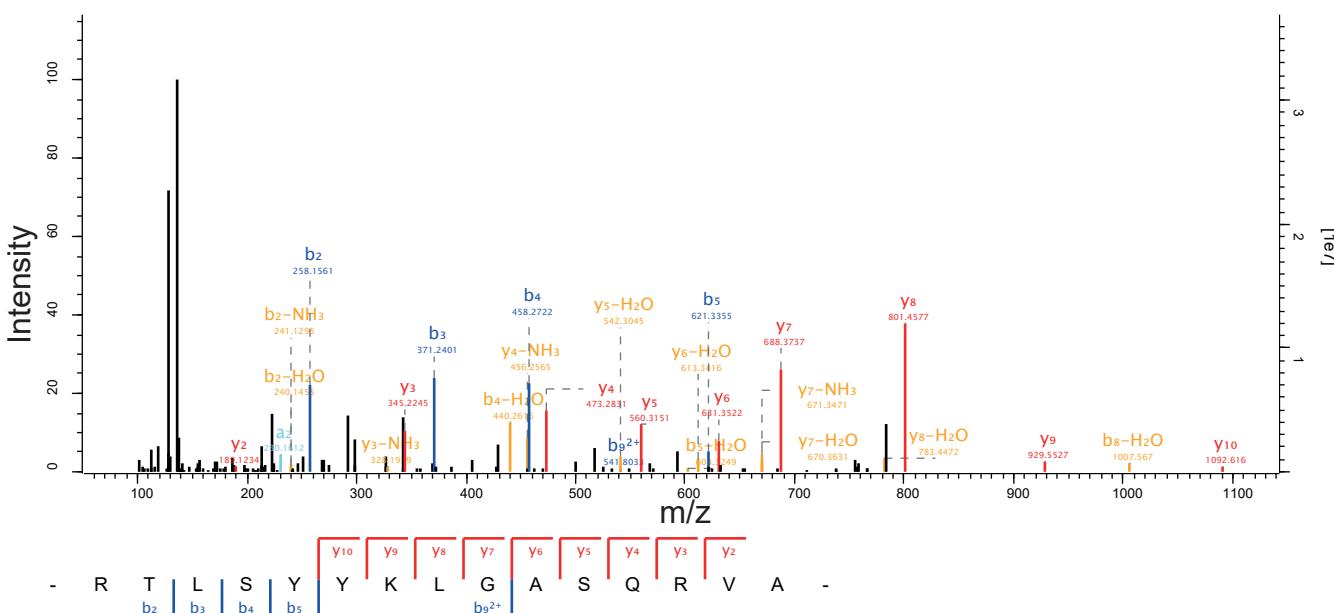


B cell line 721.221 A*24:02 with OE of Membrane HLA-II RTLSYYKLGASQRVA

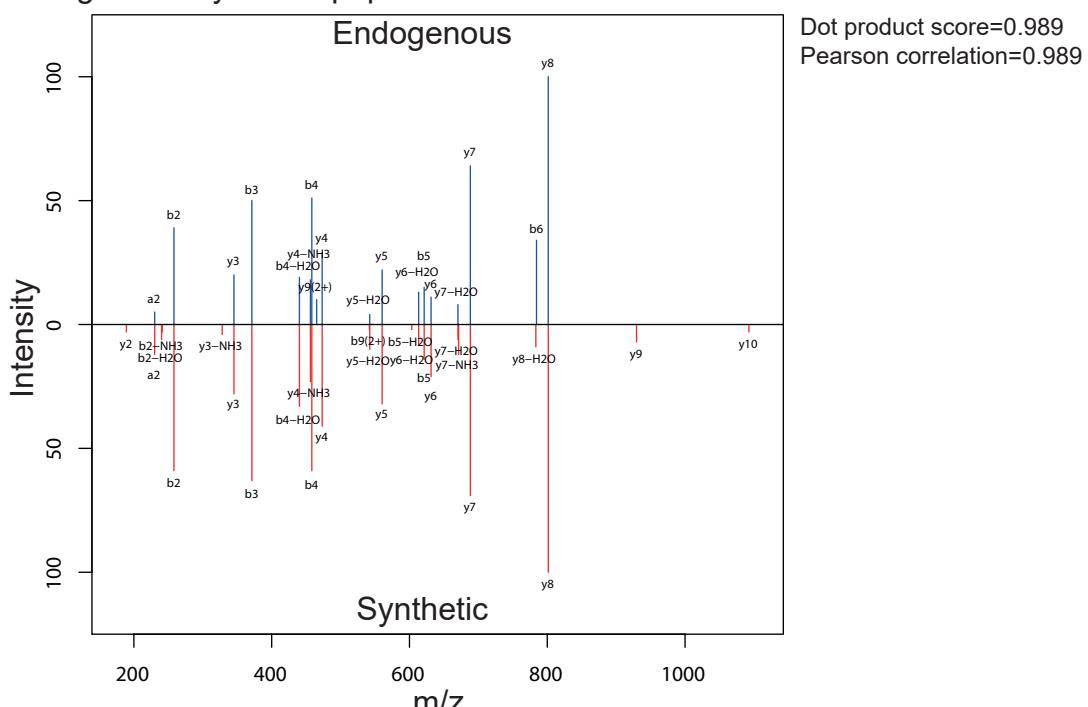
Endogenous peptide



Synthetic peptide

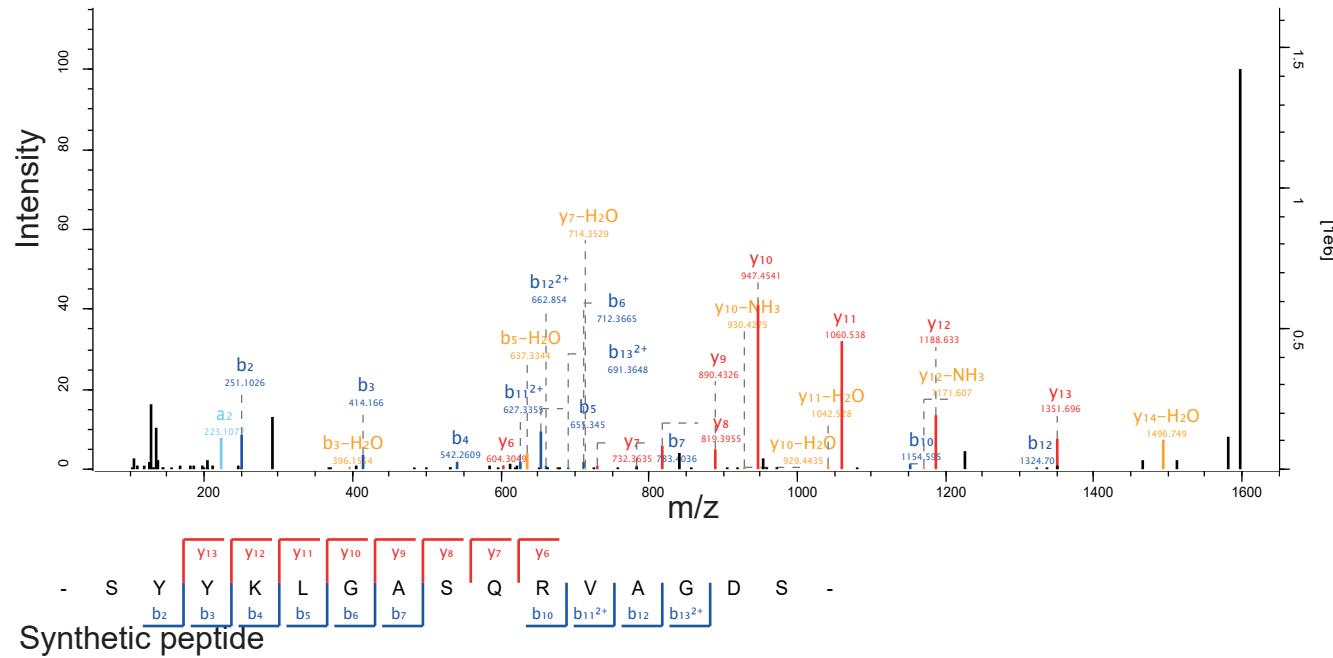


Endogenous/Synthetic peptide correlation

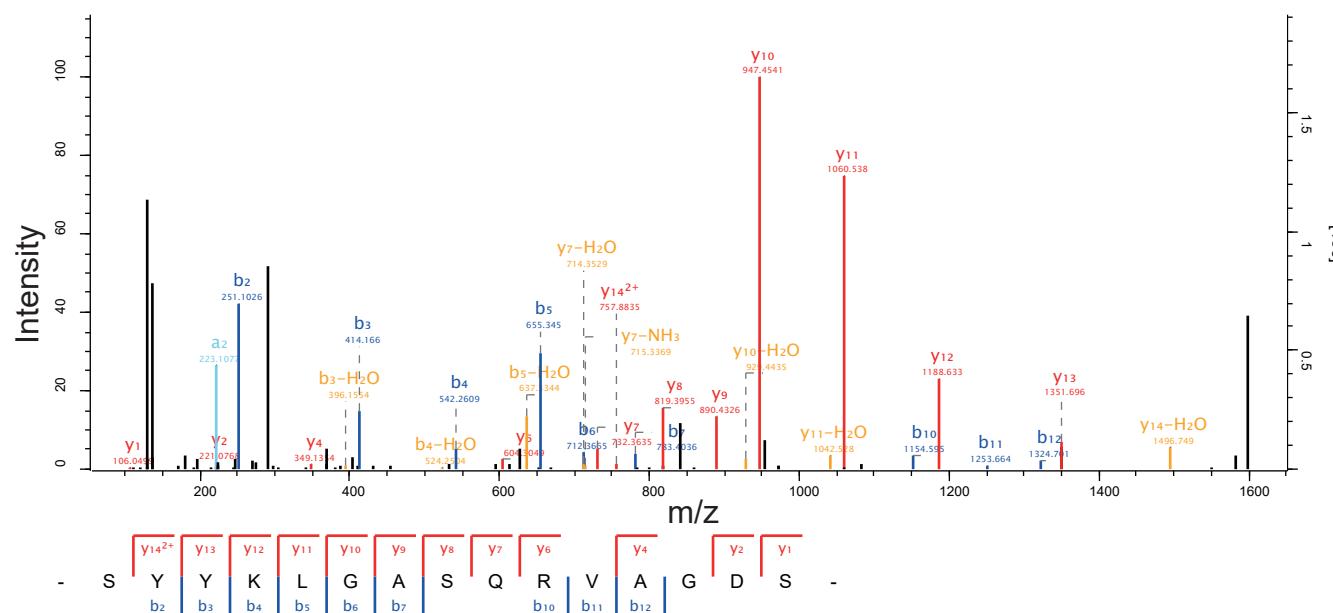


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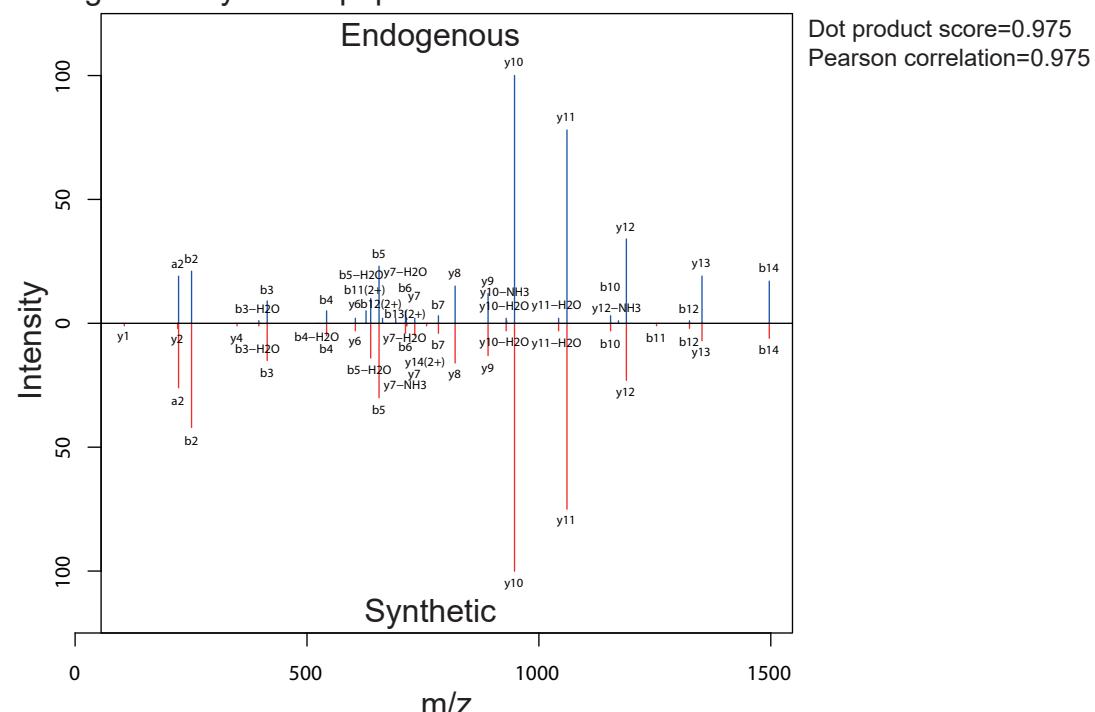
Endogenous peptide



Synthetic peptide

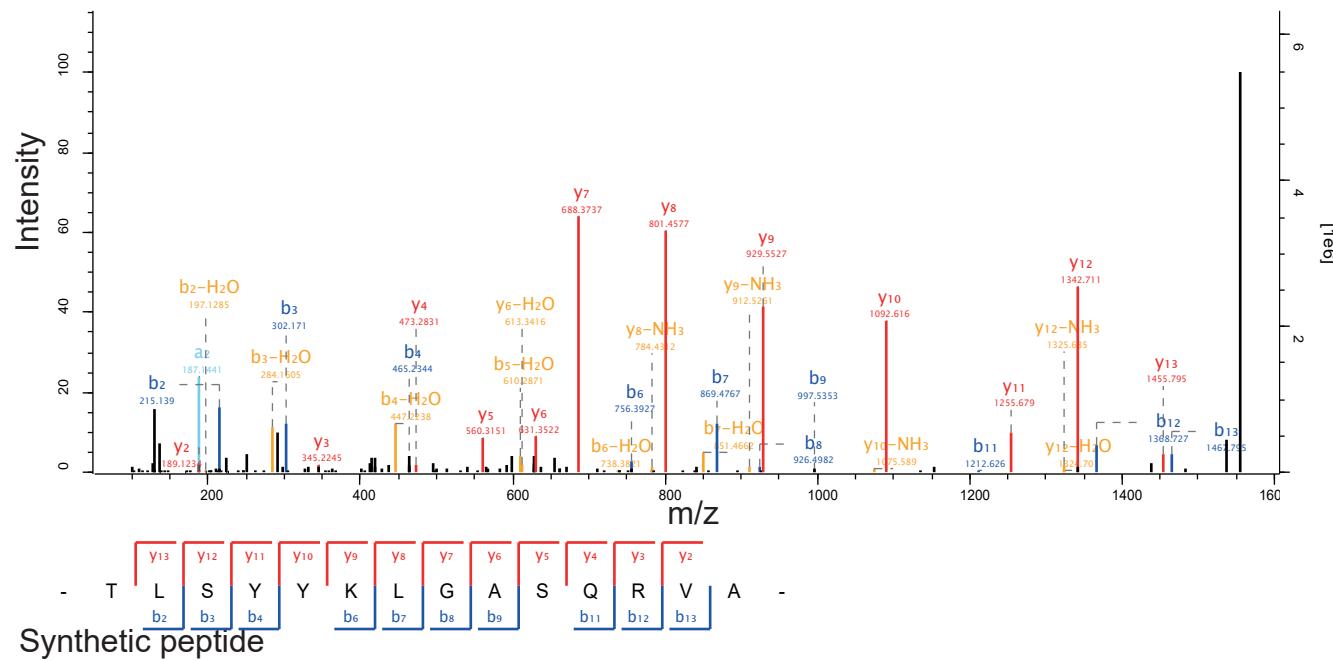


Endogenous/Synthetic peptide correlation

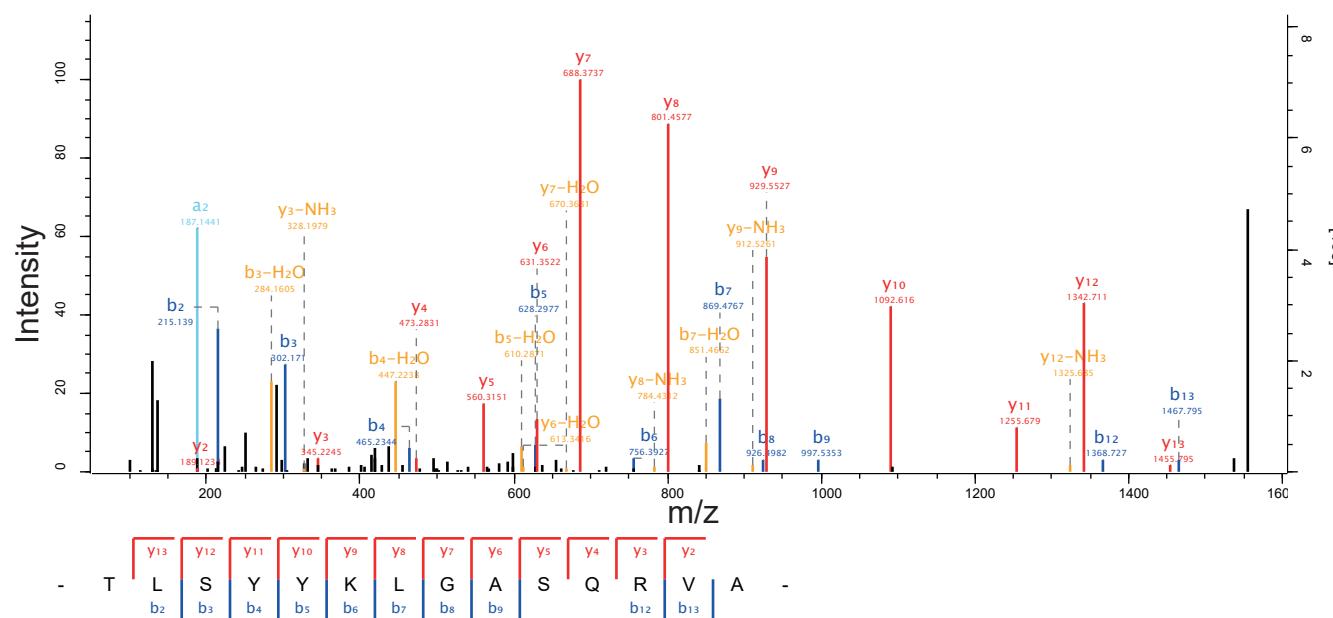


B cell line 721.221 A*24:02 with OE of Membrane HLA-II TLSYYKLGASQRVA

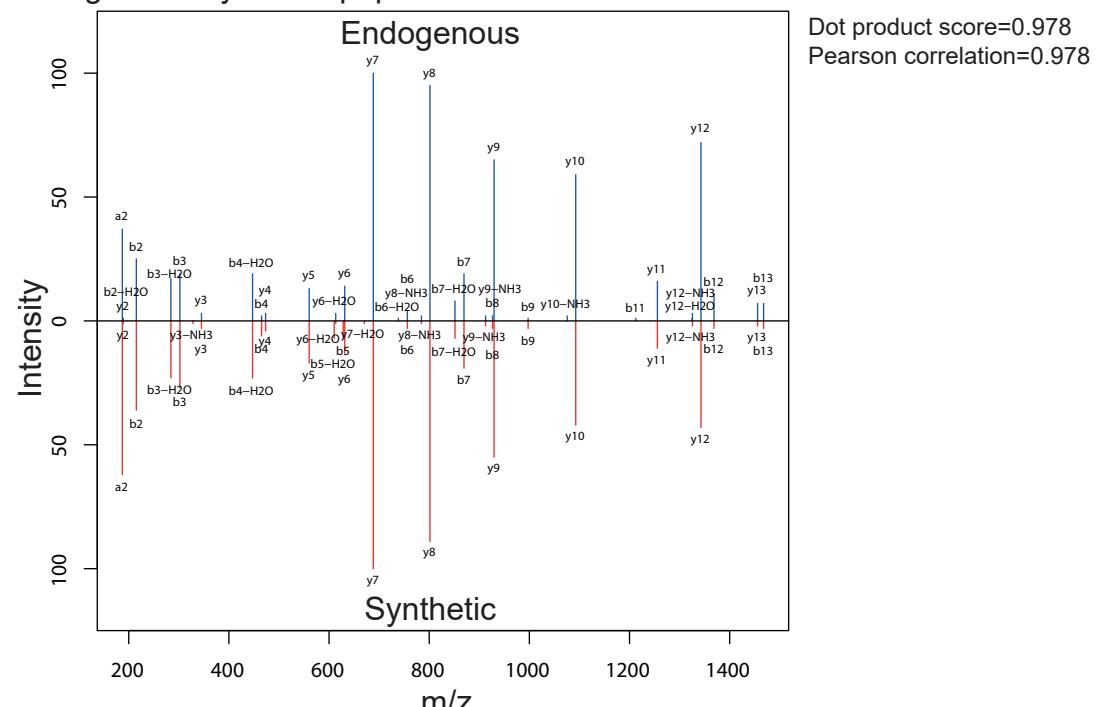
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Synthetic peptide

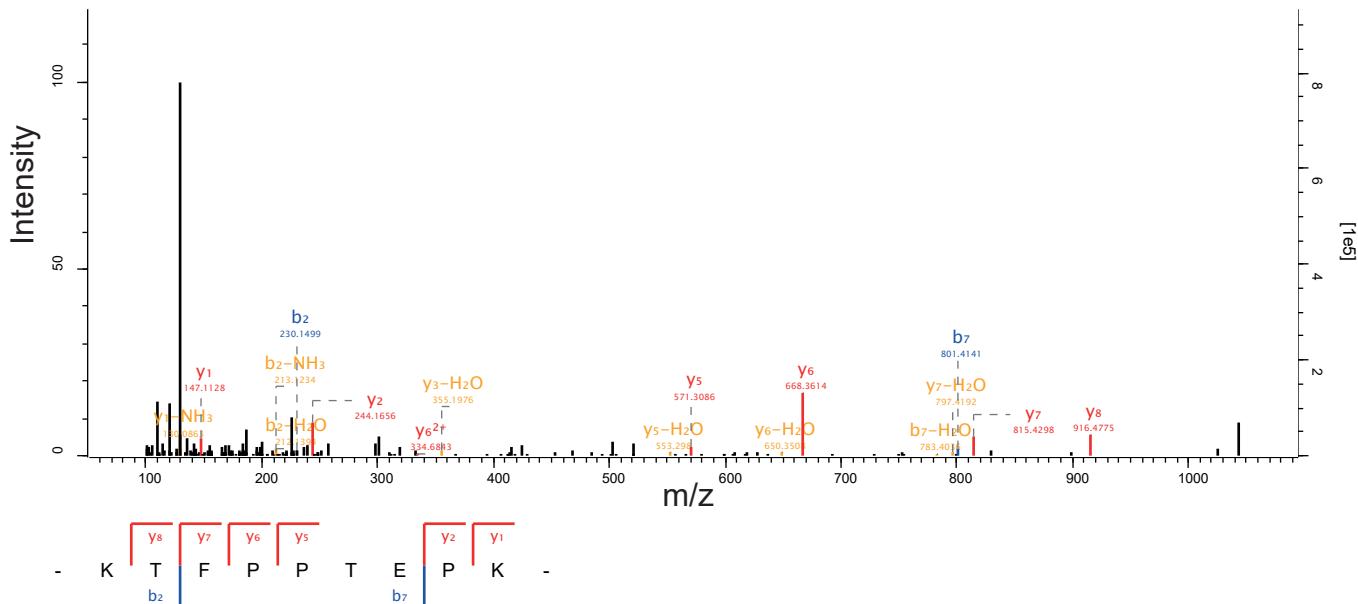


Endogenous/Synthetic peptide correlation

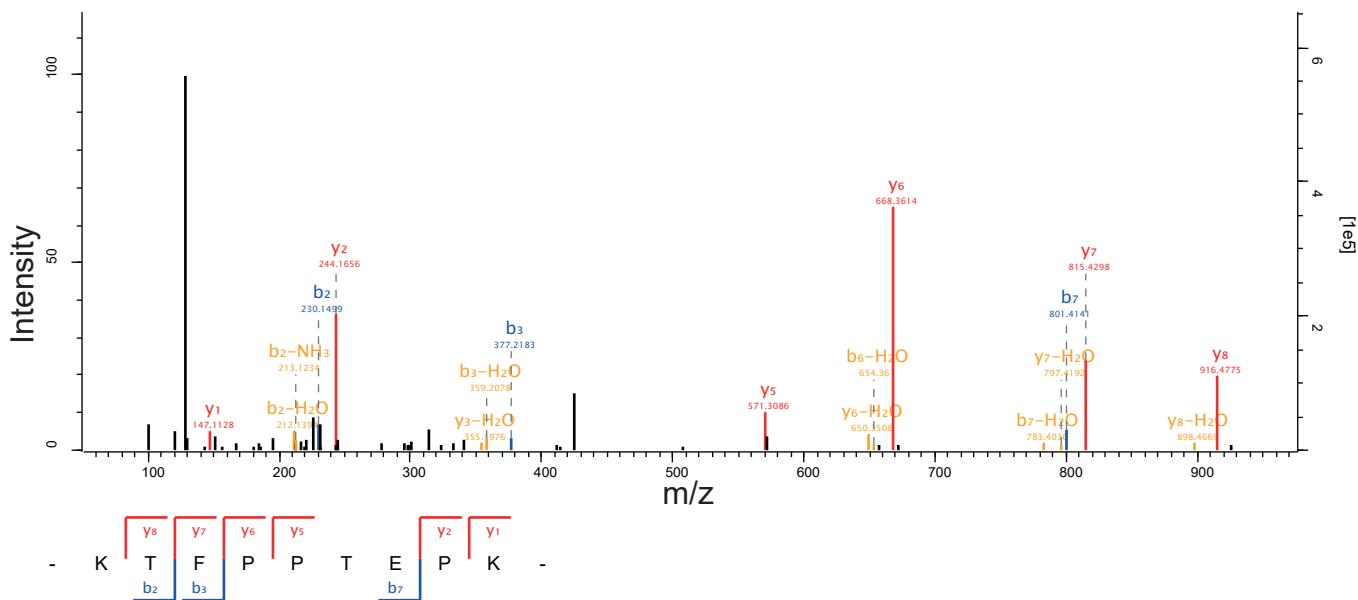


B cell line 721.221 A*03:01 with OE of Nucleocapsid HLA-I KTFPPTEPK

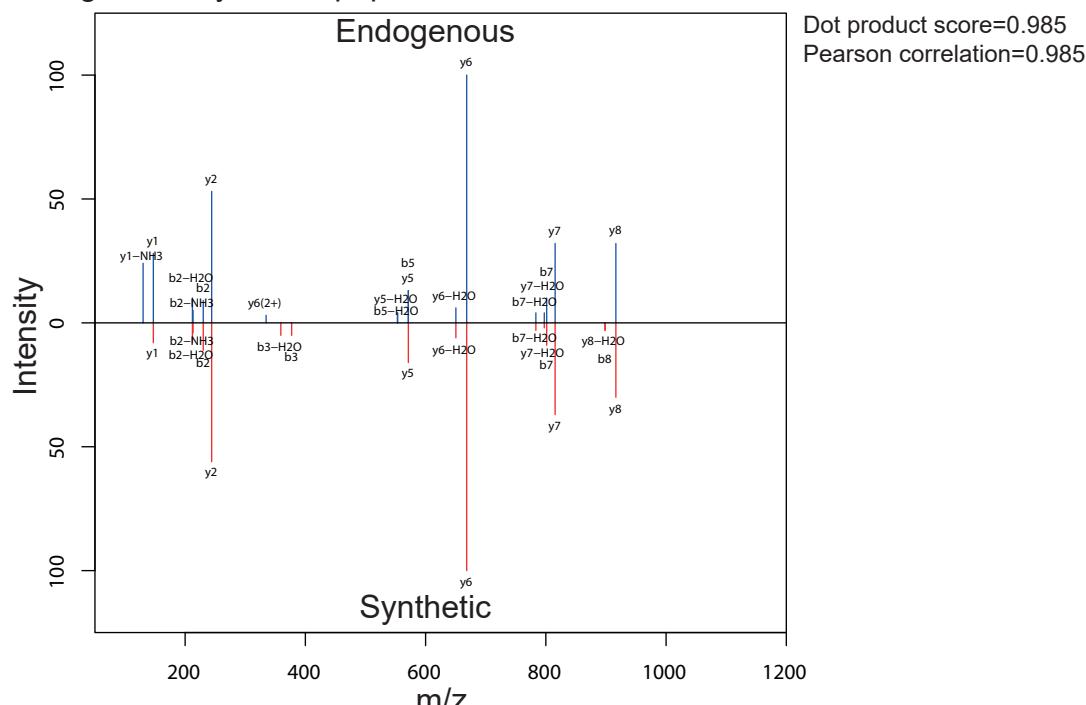
Endogenous peptide



Synthetic peptide

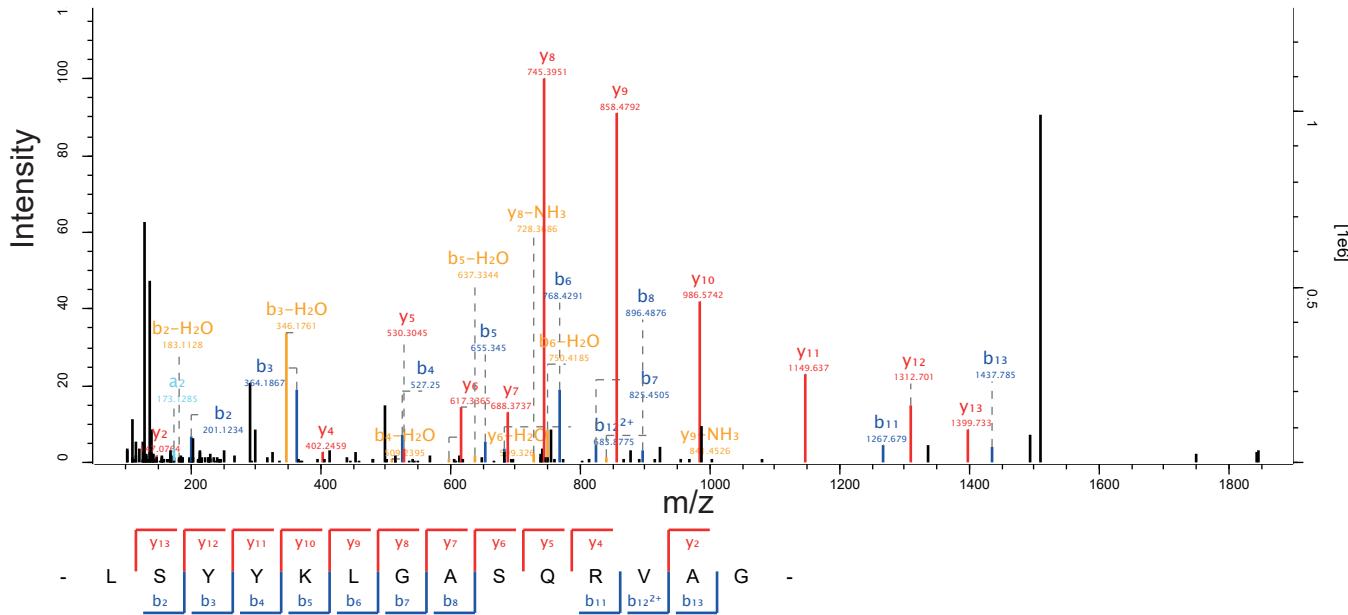


Endogenous/Synthetic peptide correlation

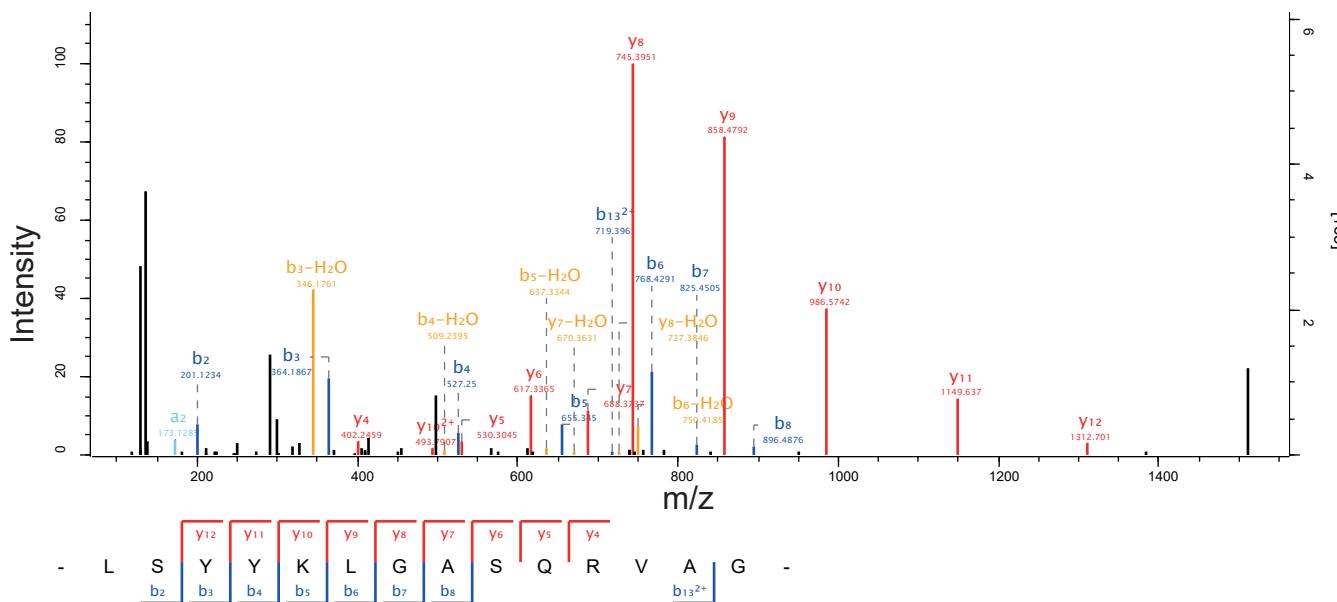


B cell line 721.221 A*03:01 with OE of Membrane HLA-II LSYYKLGASQRVAG

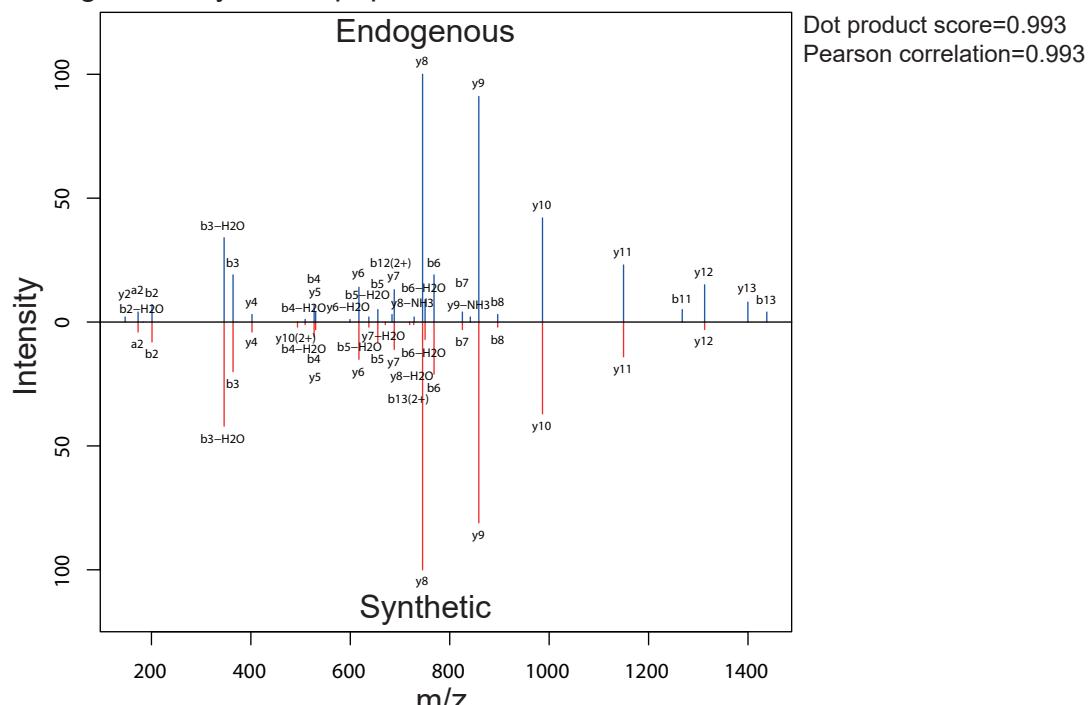
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Synthetic peptide

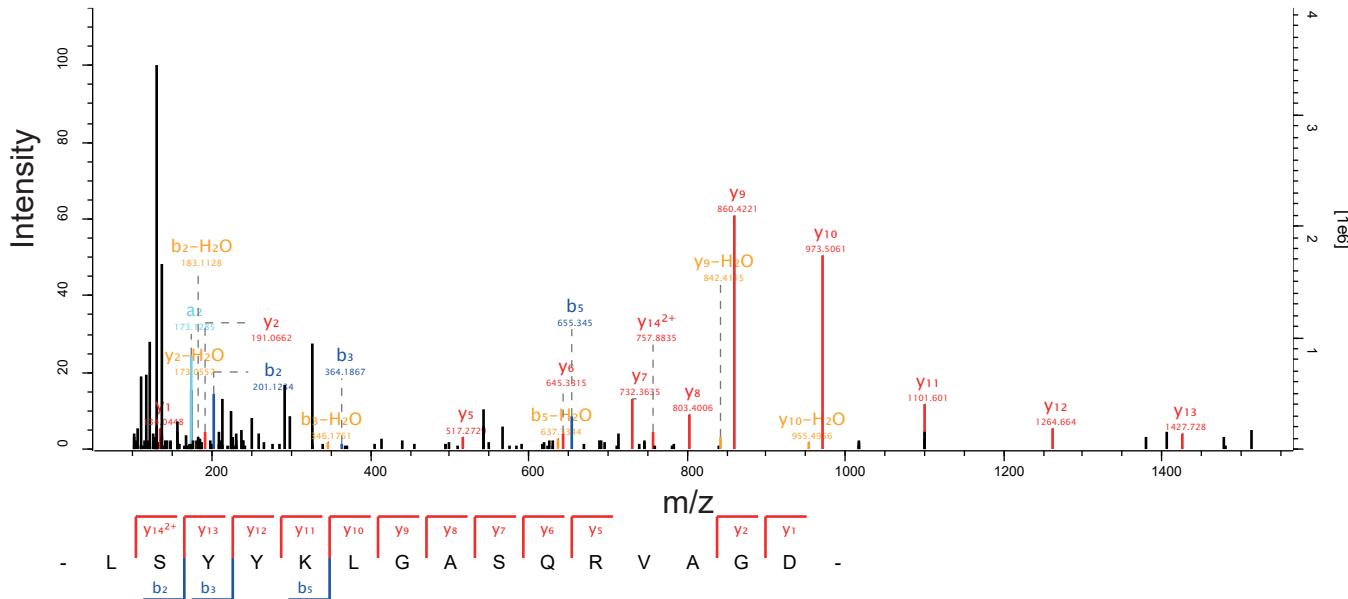


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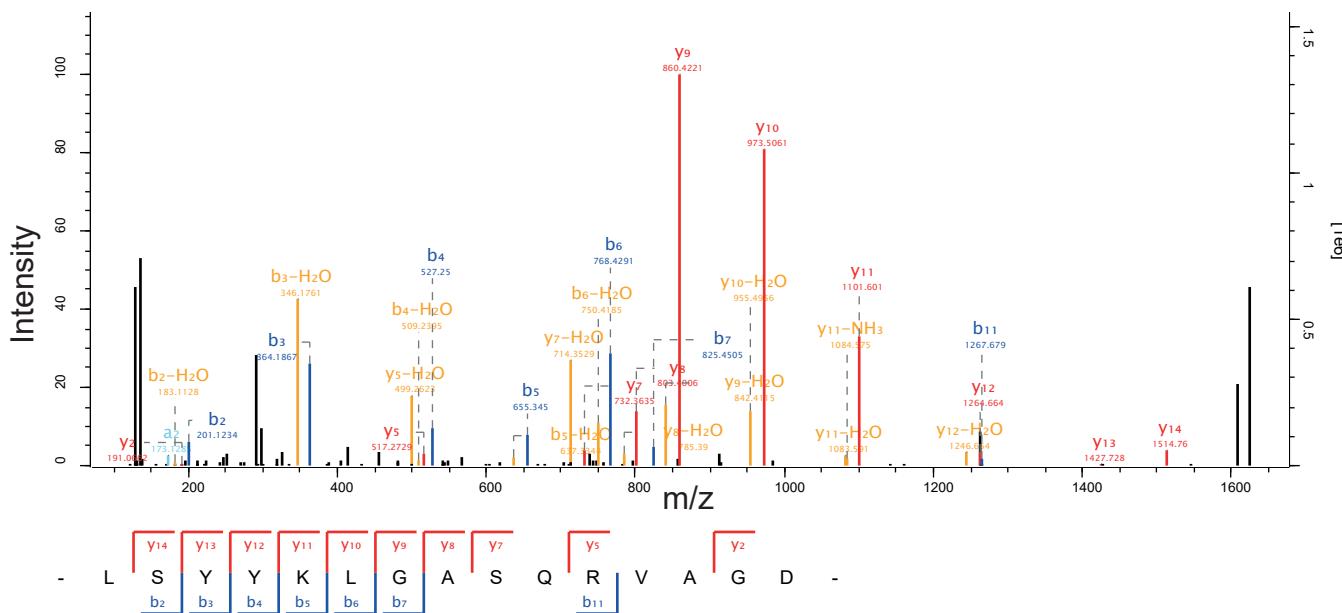


B cell line 721.221 A*03:01 with OE of Membrane HLA-II LSYYKLGASQRVAGD

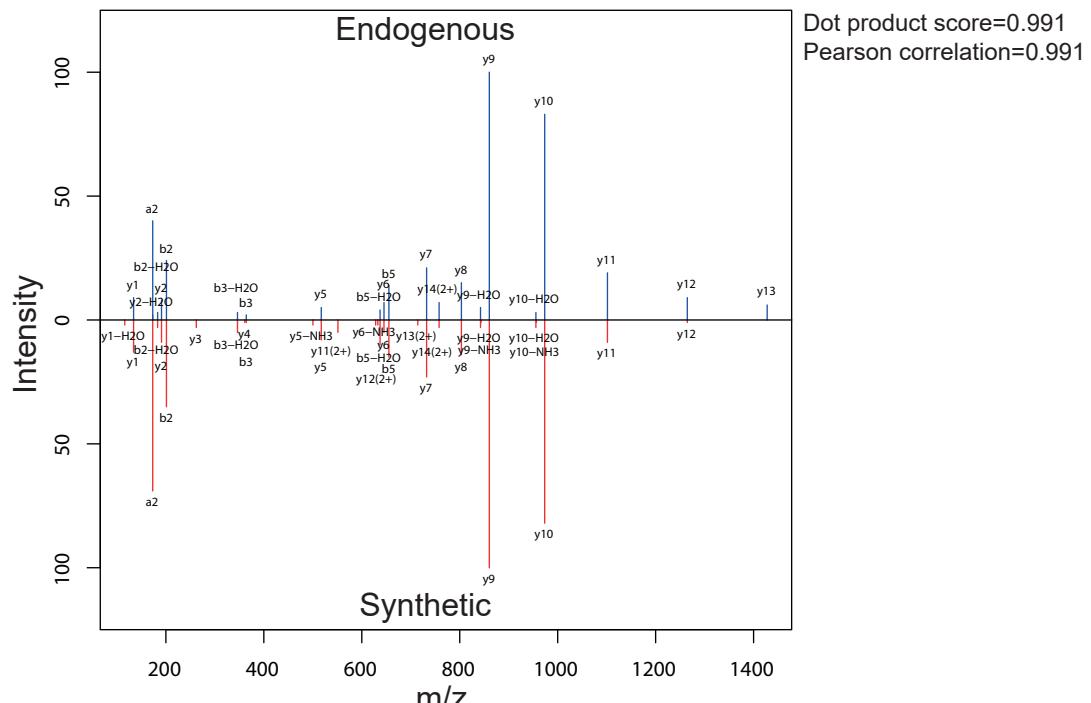
Endogenous peptide



Synthetic peptide

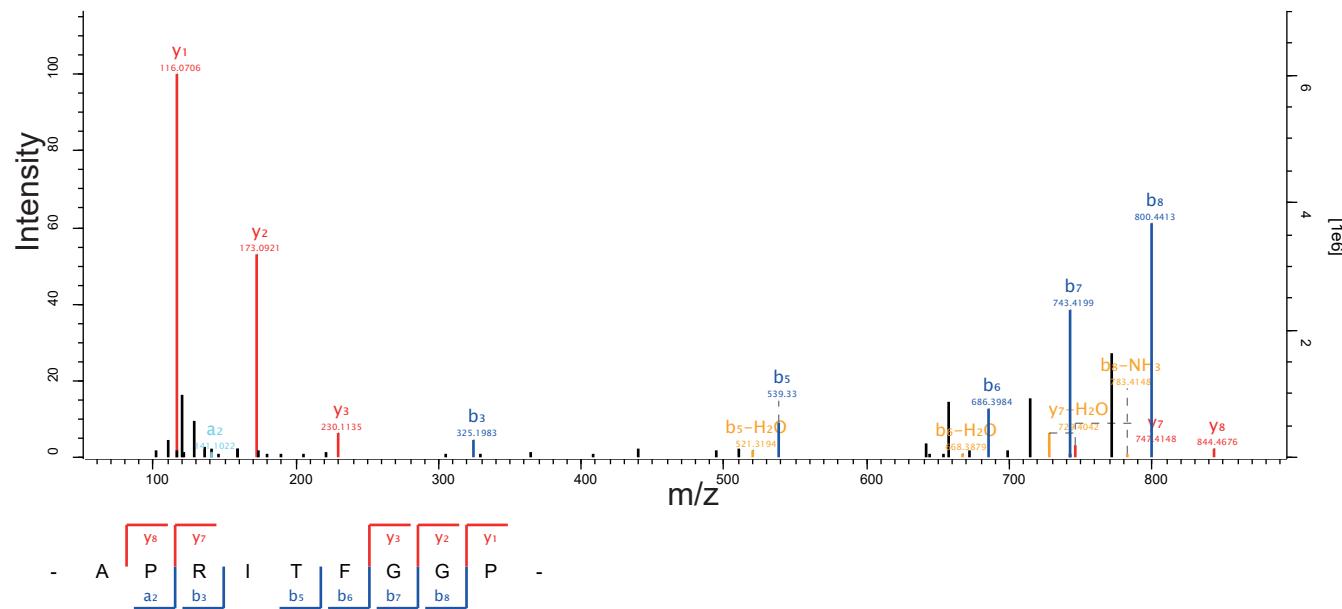


Endogenous/Synthetic peptide correlation

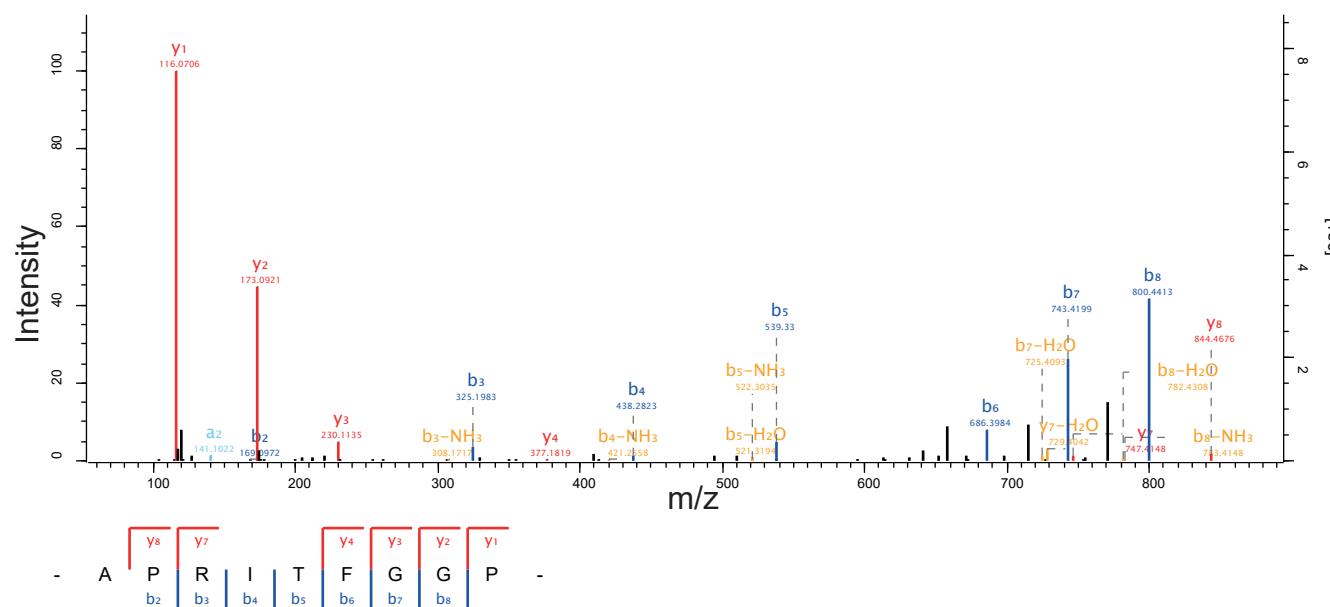


B cell line 721.221 B*07:02 with OE of Nucleocapsid HLA-I APRITFGGP

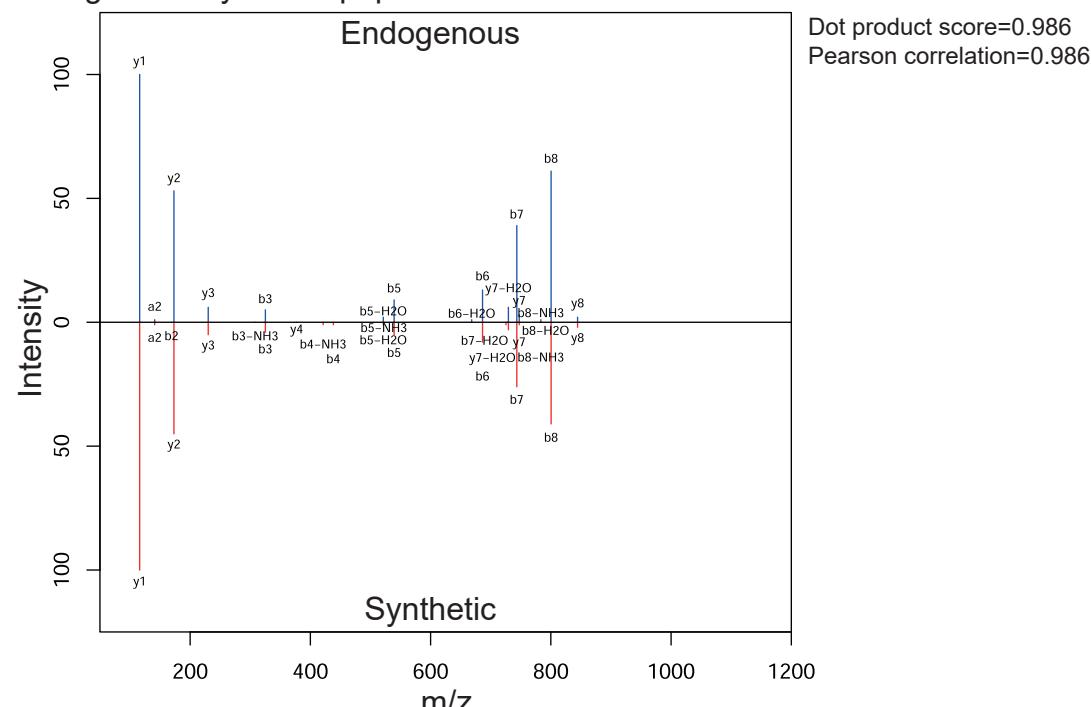
Endogenous peptide



Synthetic peptide

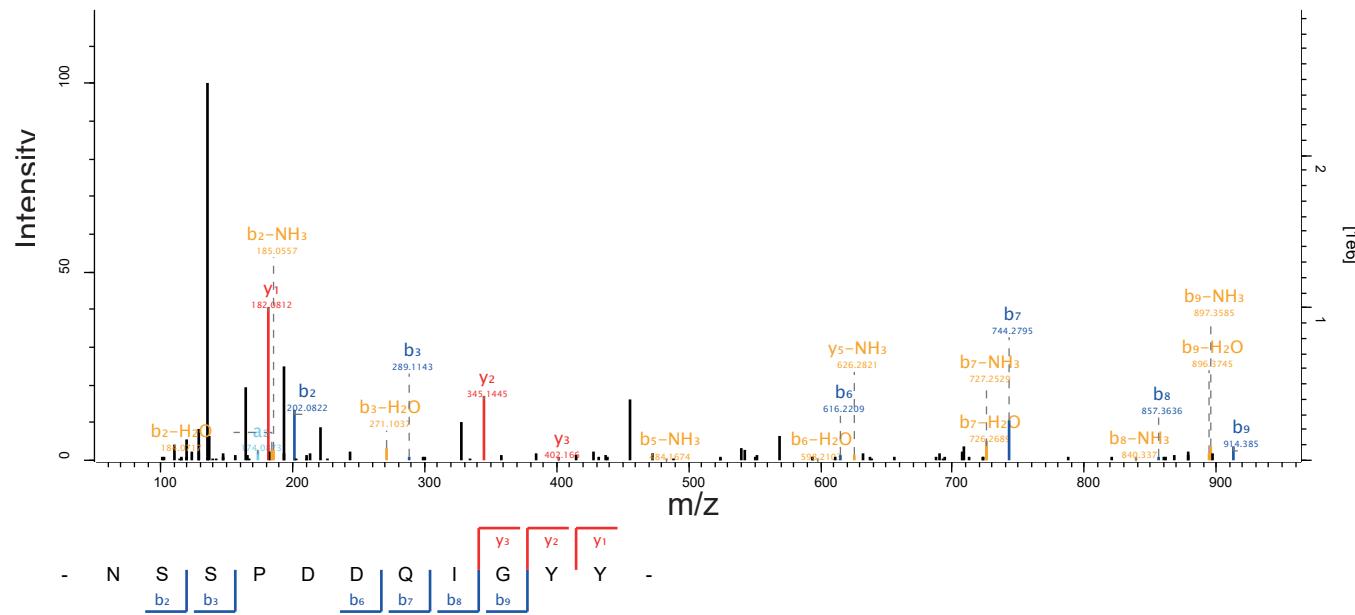


Endogenous/Synthetic peptide correlation

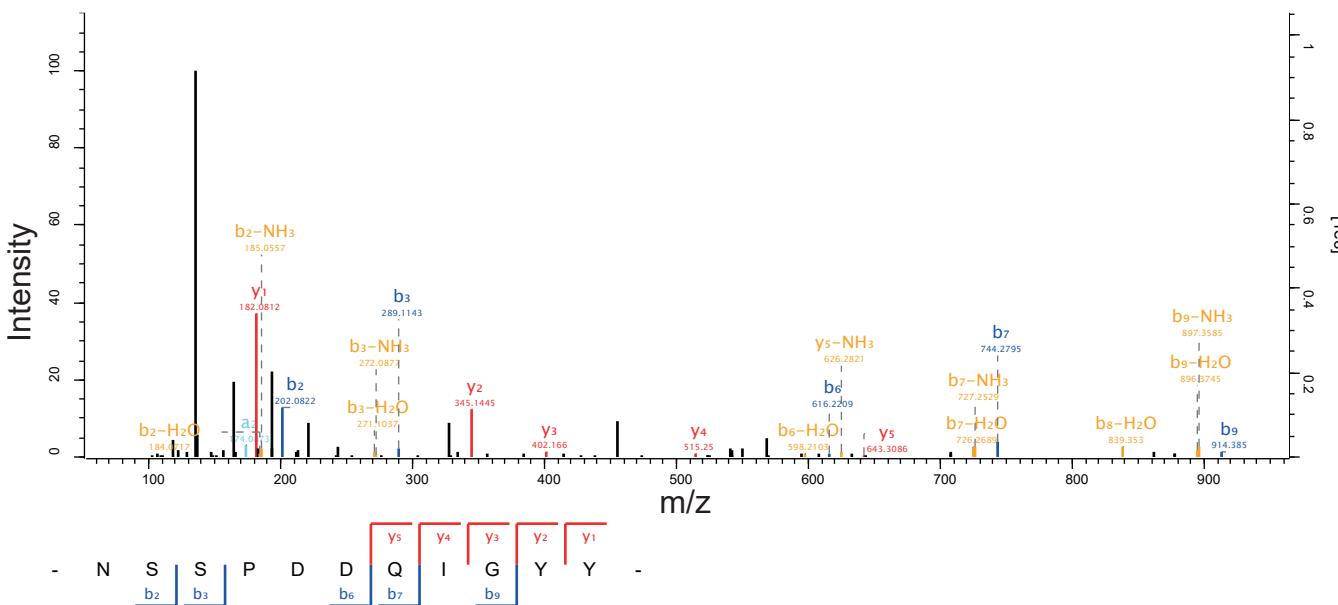


B cell line IHW01070 with OE of Nucleocapsid HLA-I NSSPDDQIGYY

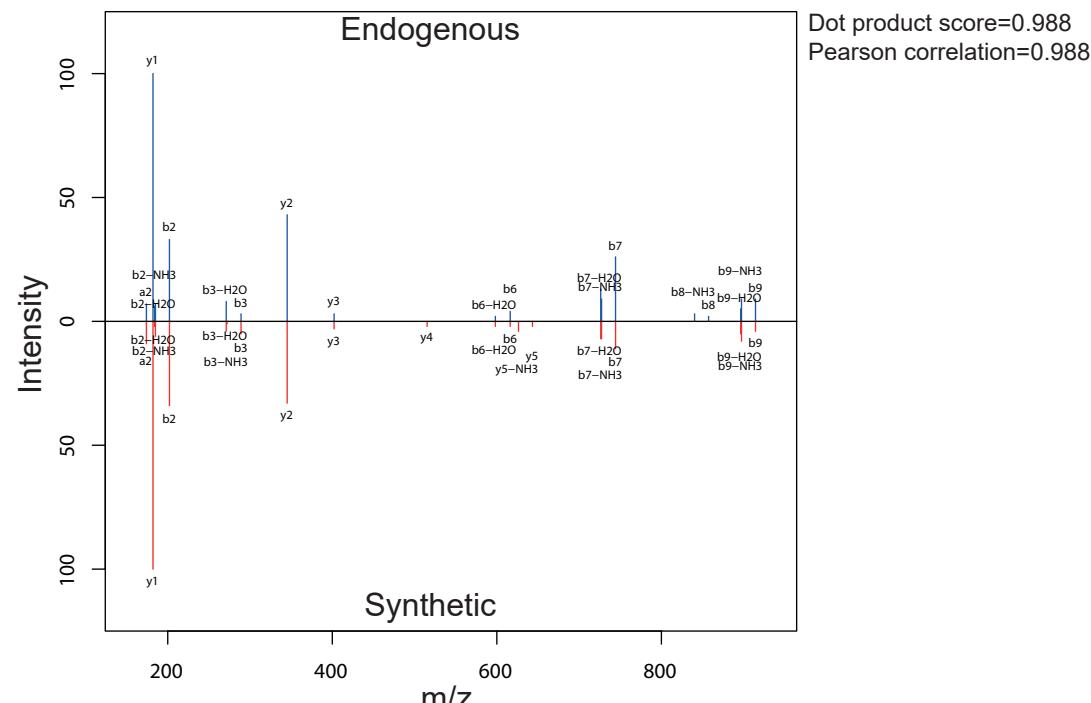
Endogenous peptide



Synthetic peptide

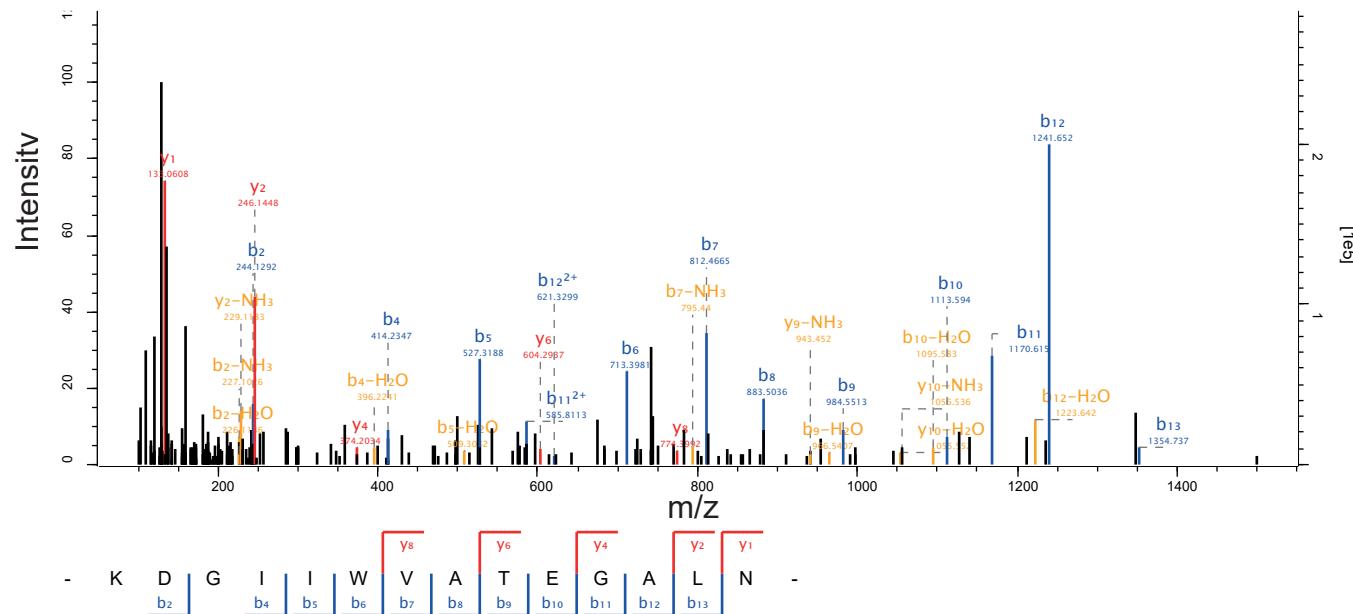


Endogenous/Synthetic peptide correlation

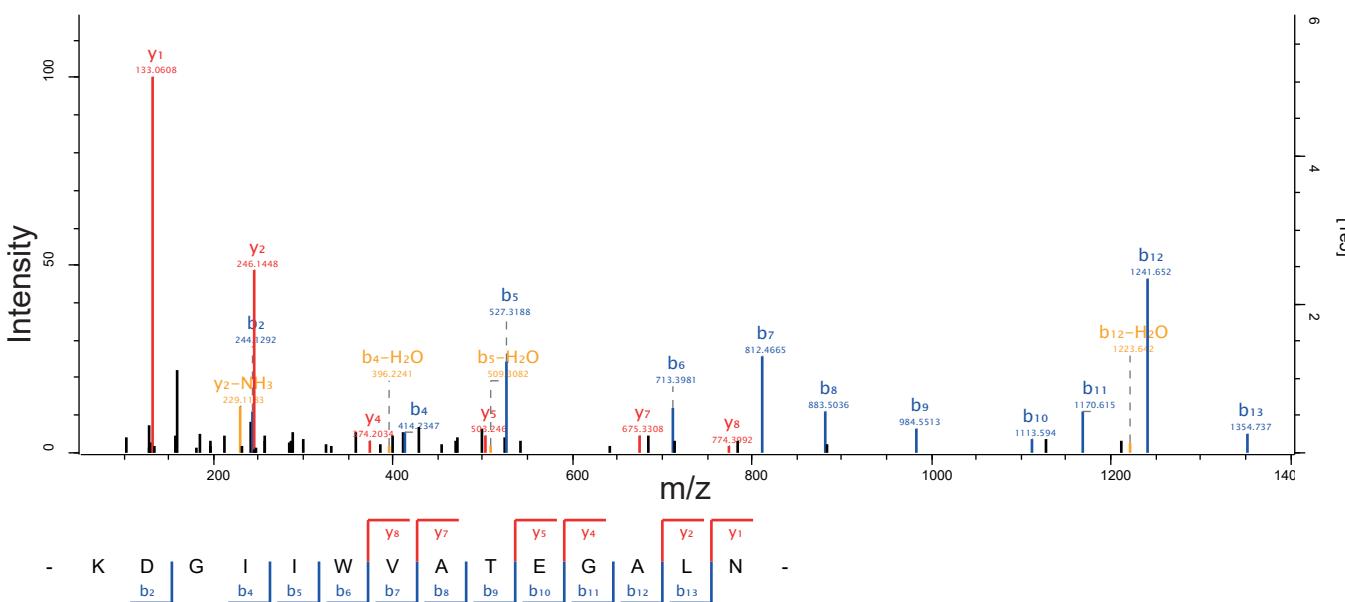


B cell line IHW01070 with OE of Nucleocapsid HLA-II KDGIIWVATEGALN

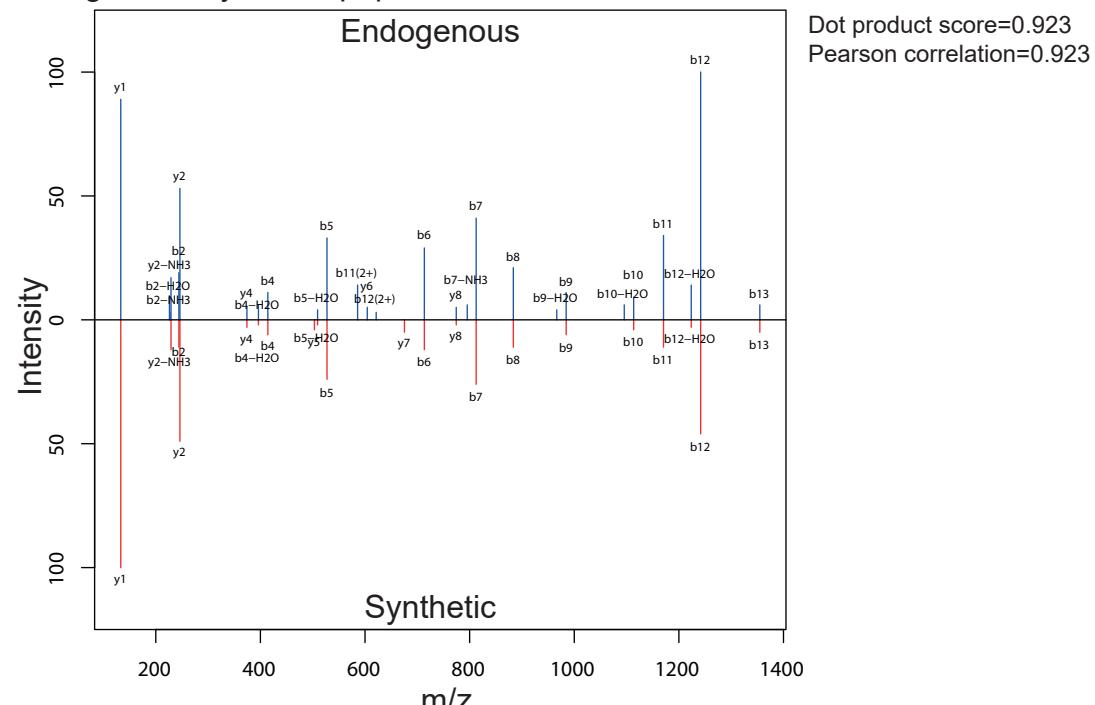
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Synthetic peptide

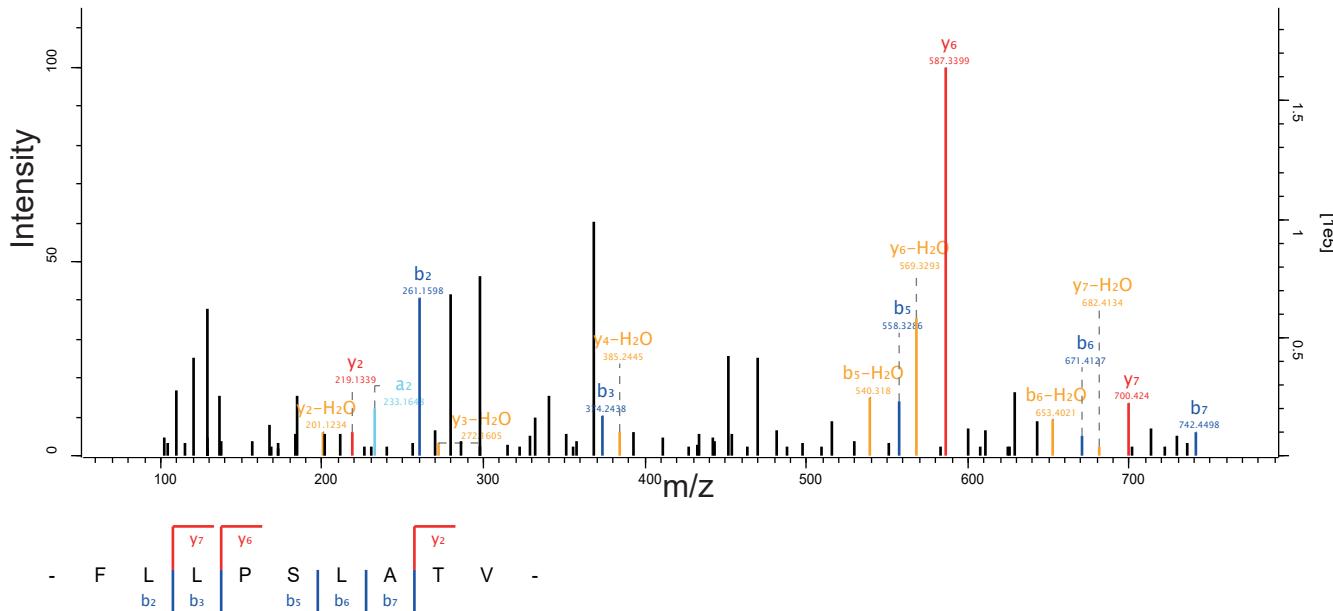


Endogenous/Synthetic peptide correlation

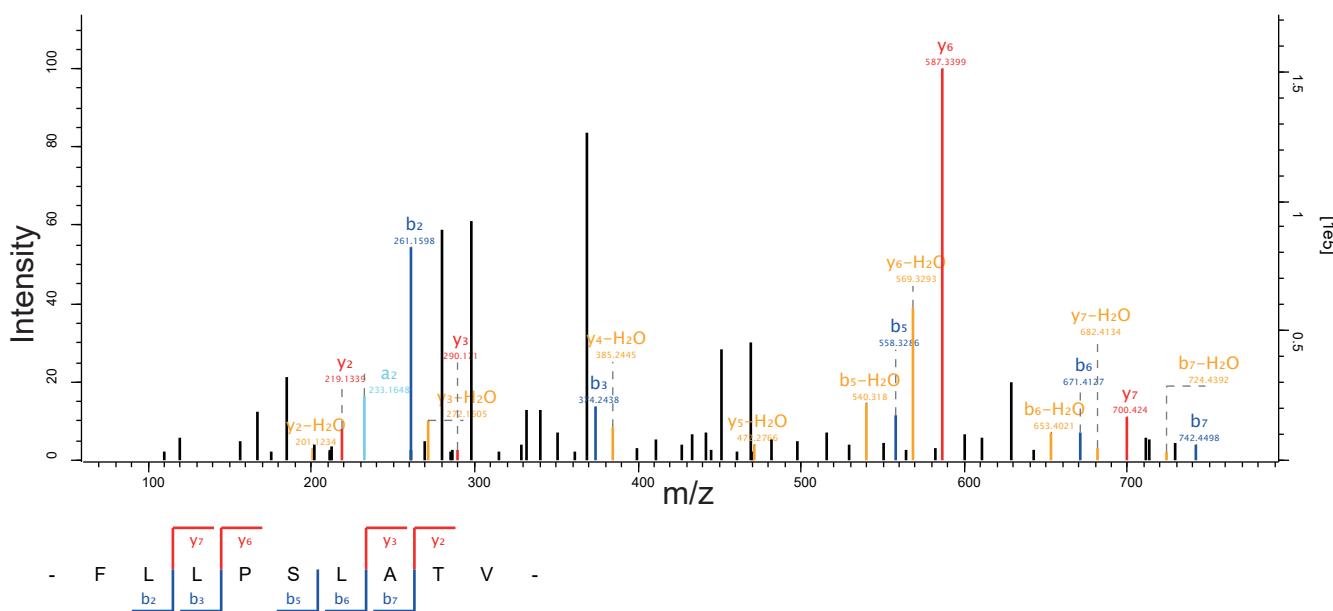


B cell line IHW01070 with OE of nsp6 HLA-I FLLPSLATV

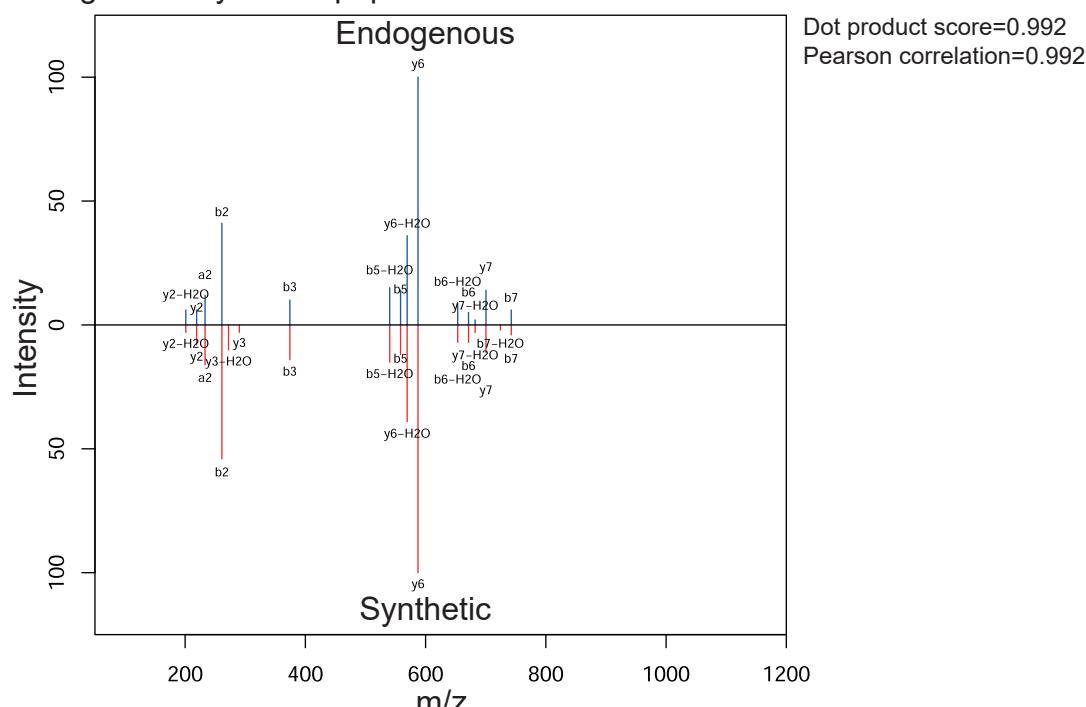
Endogenous peptide



Synthetic peptide

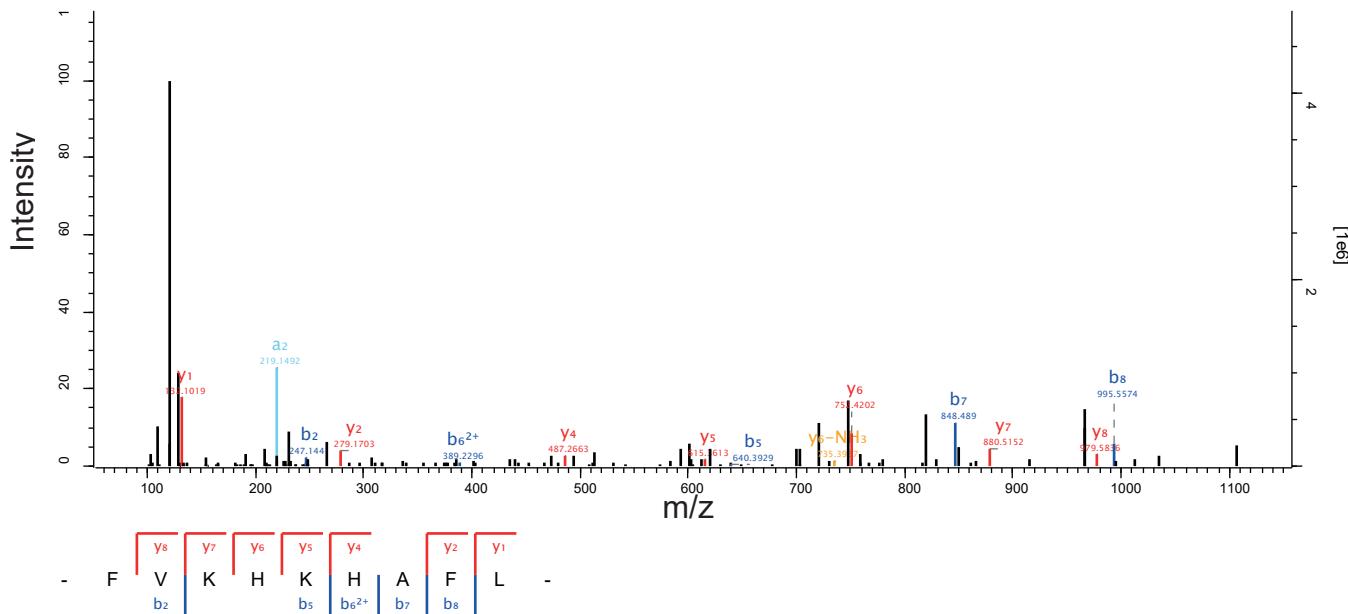


Endogenous/Synthetic peptide correlation

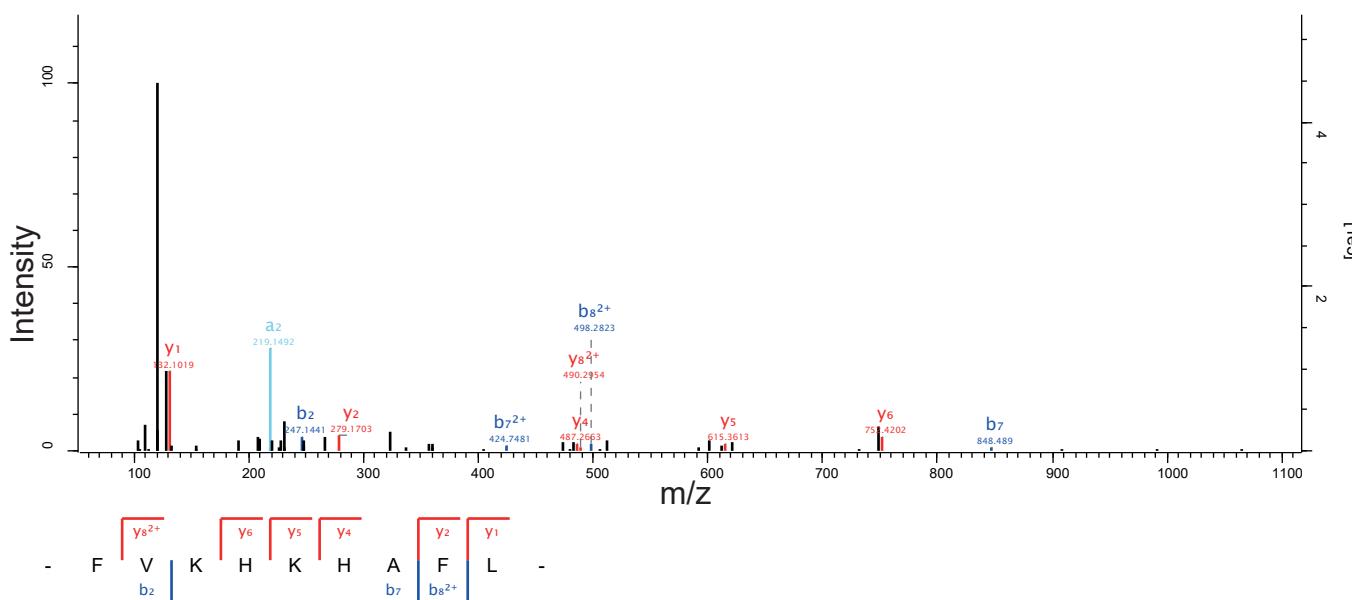


B cell line IHW01070 with OE of nsp6 HLA-I FVKHKHAFL

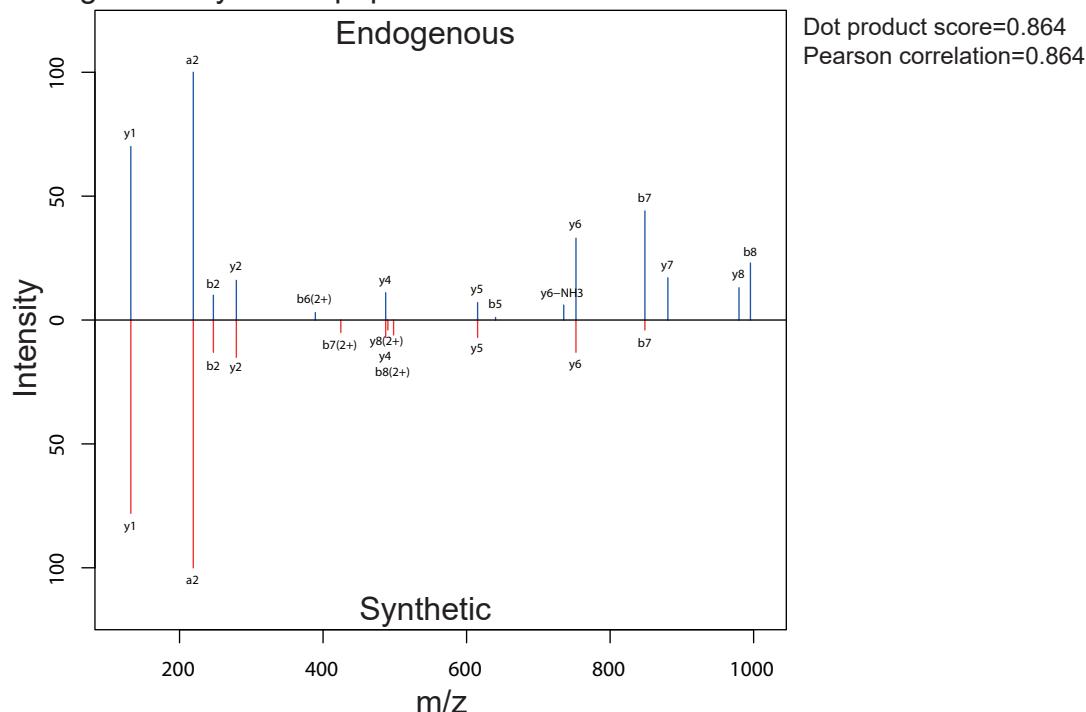
Endogenous peptide



Synthetic peptide

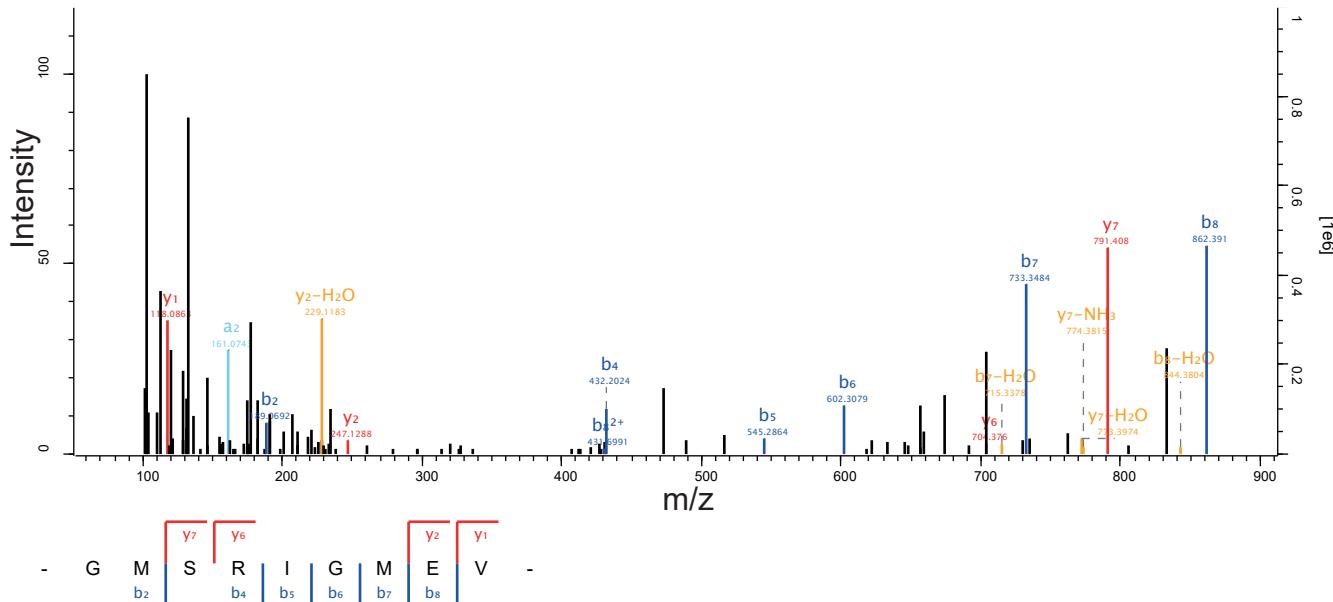


Endogenous/Synthetic peptide correlation

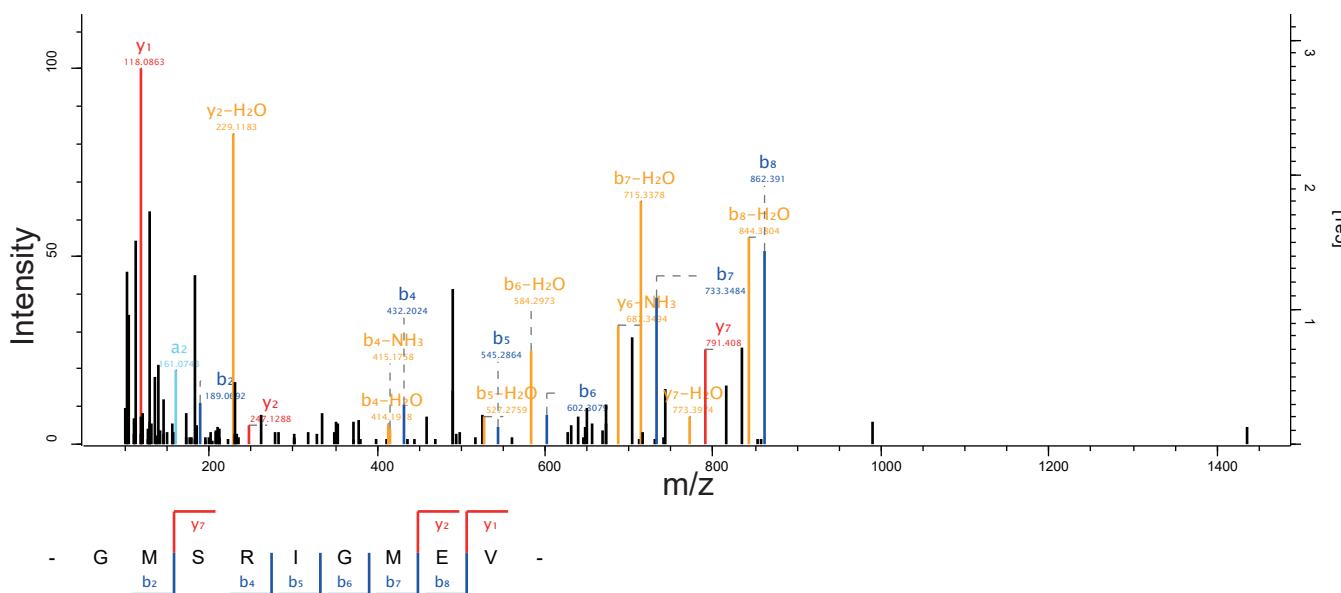


B cell line IHW01161 with OE of Nucleocapsid HLA-I GMSRIGMEV

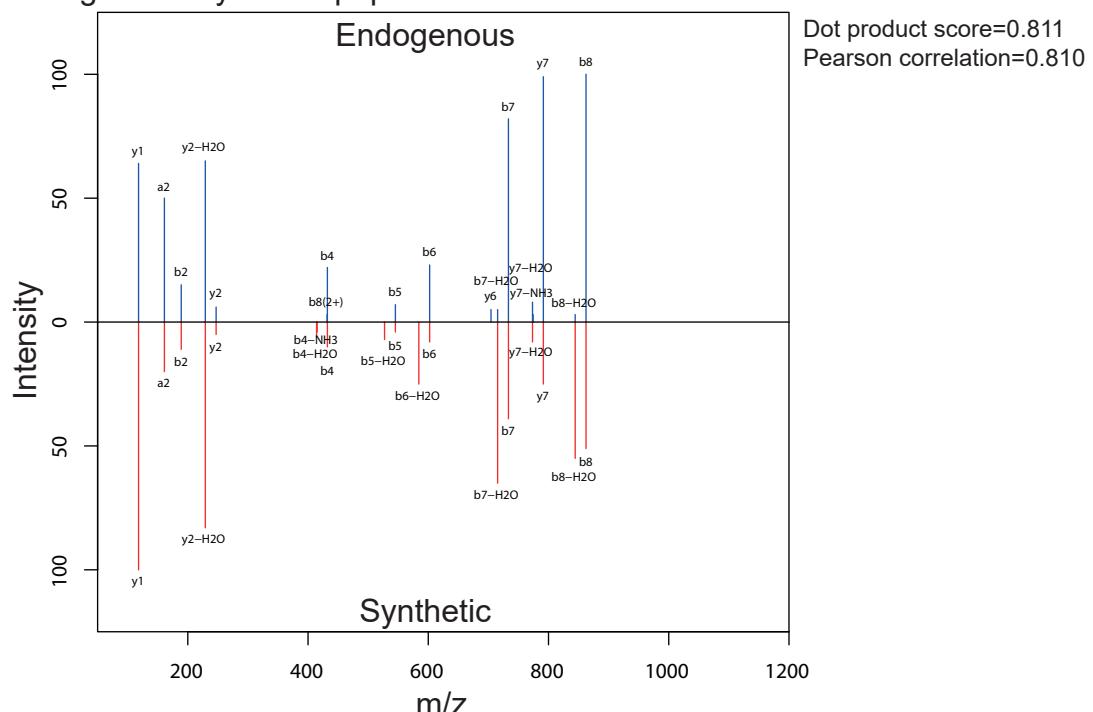
Endogenous peptide



Synthetic peptide

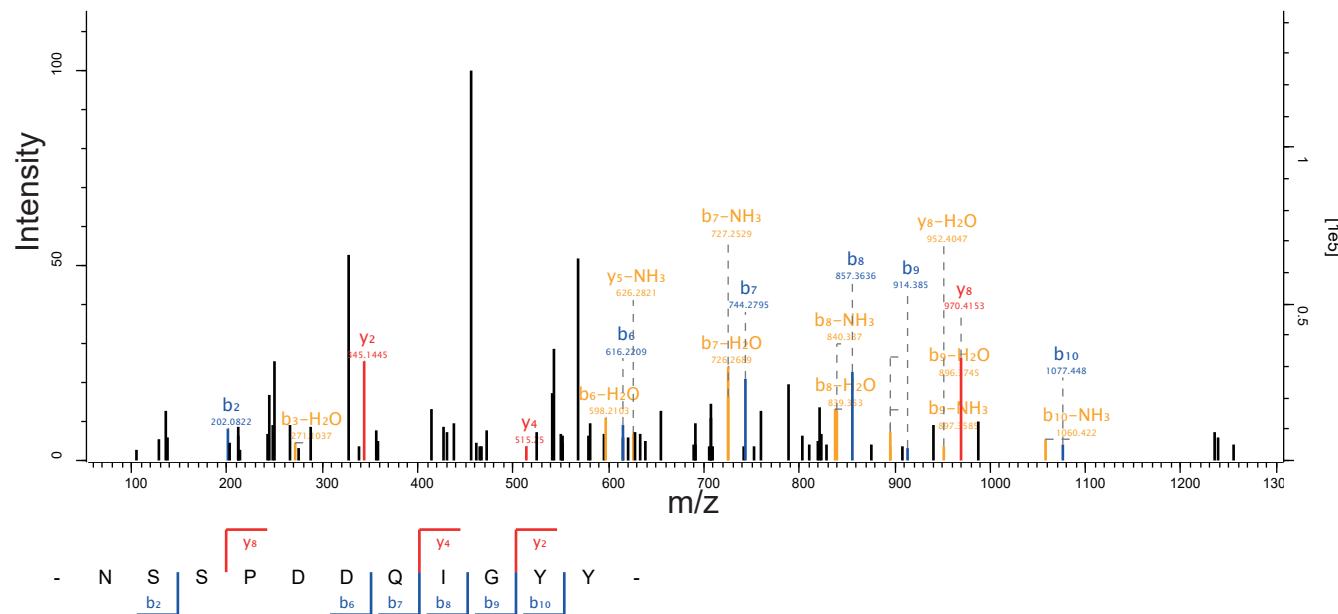


Endogenous/Synthetic peptide correlation

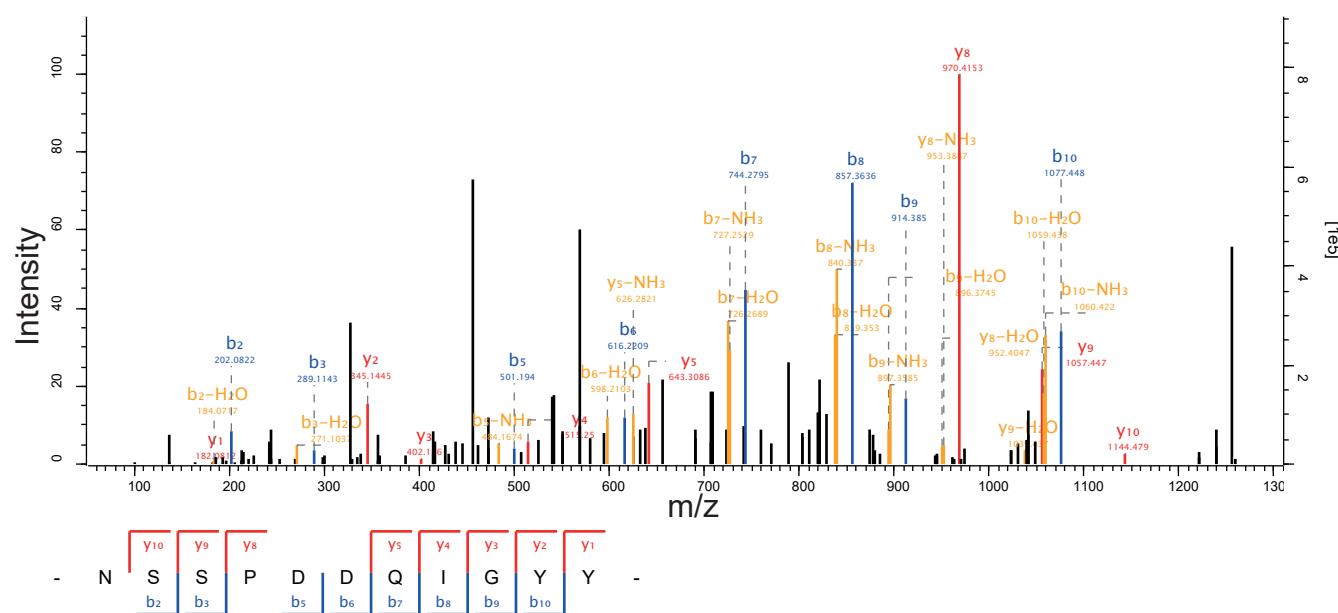


B cell line IHW01161 with OE of Nucleocapsid HLA-I NSSPDDQIGYY

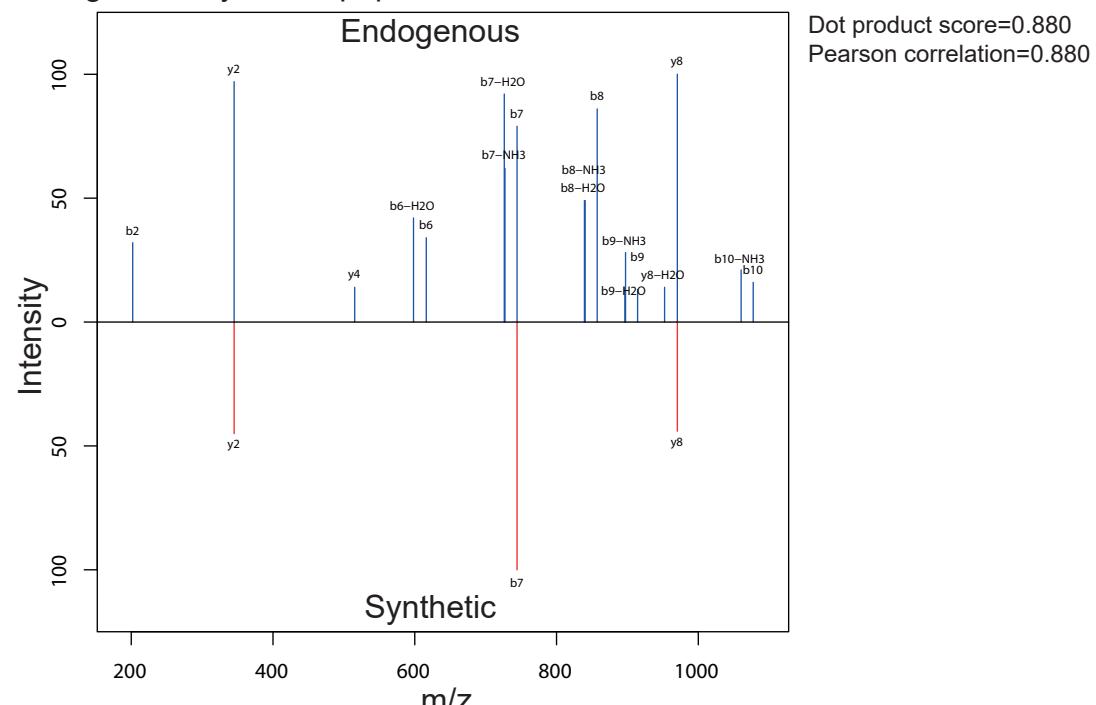
Endogenous peptide



Synthetic peptide

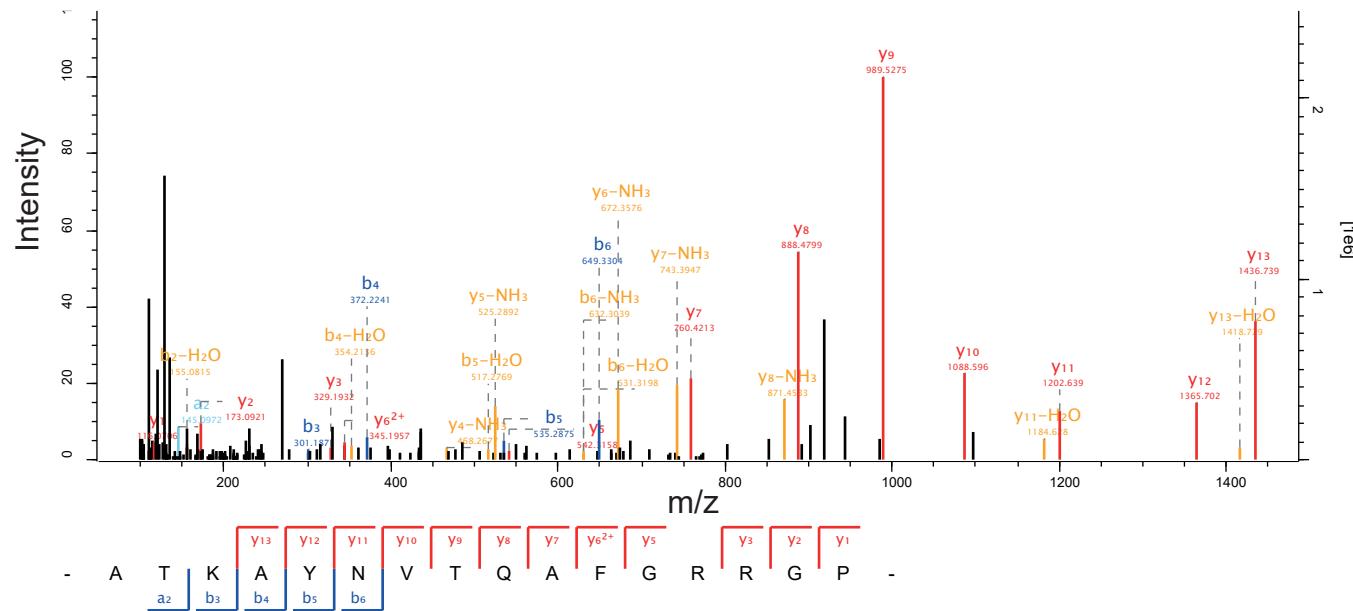


Endogenous/Synthetic peptide correlation

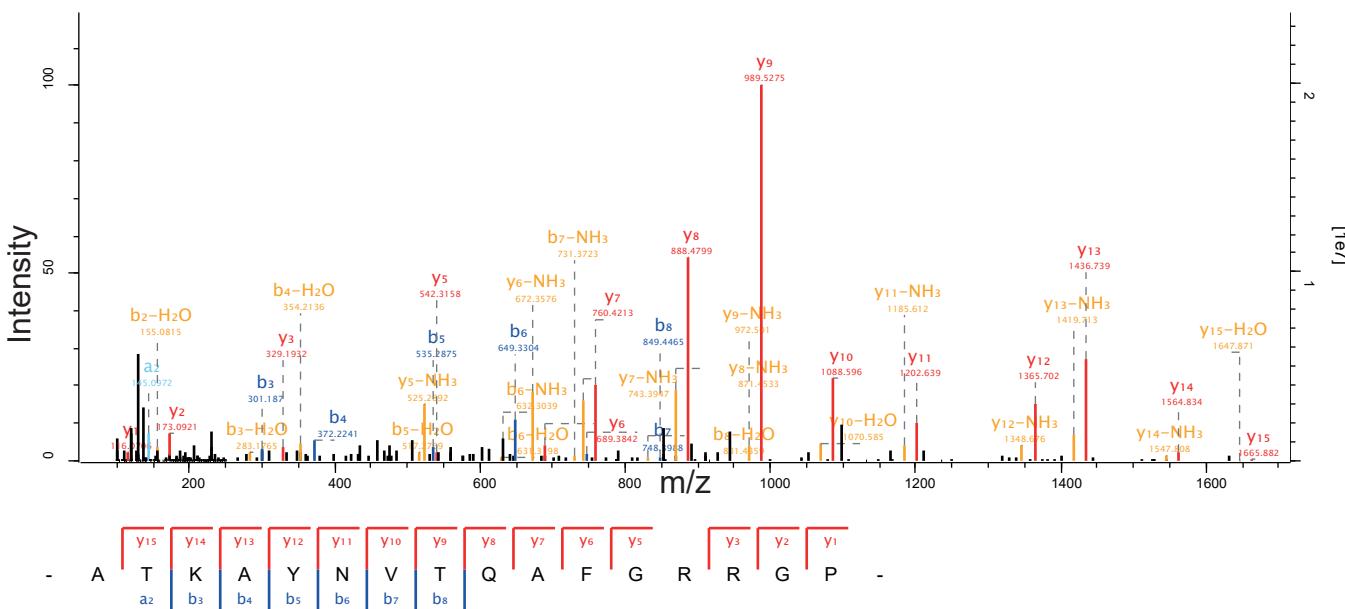


B cell line IHW01161 with OE of Nucleocapsid HLA-II ATKAYNVTQAFGRRGP

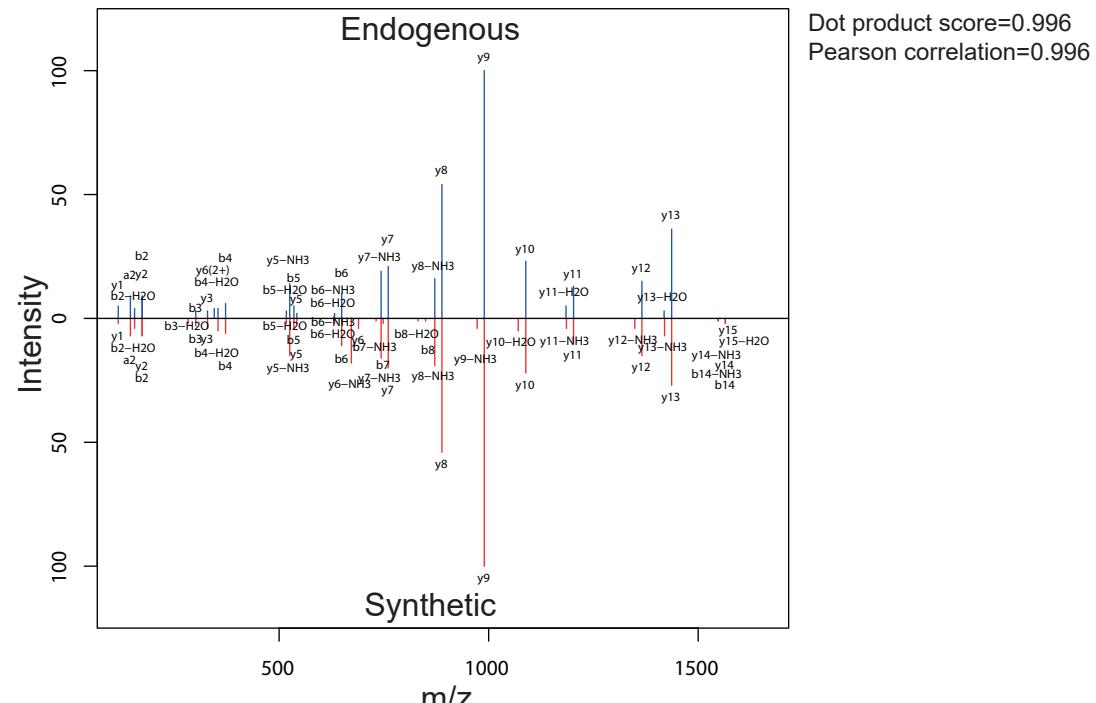
Endogenous peptide



Synthetic peptide

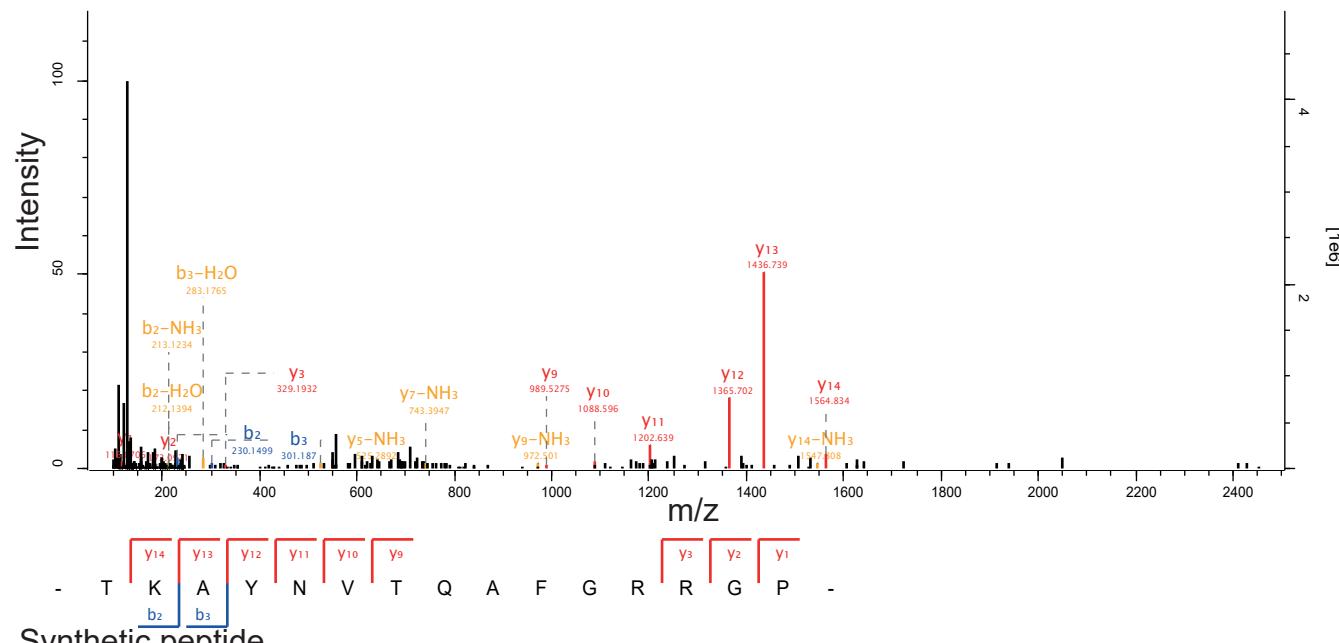


Endogenous/Synthetic peptide correlation

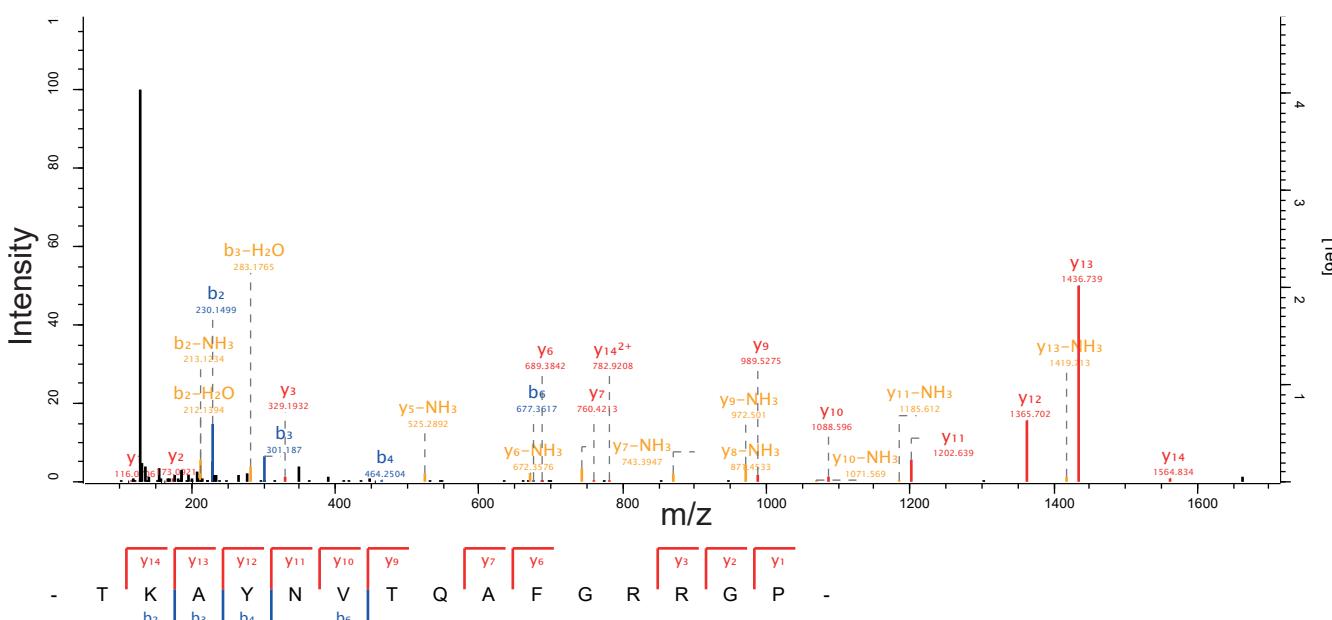


B cell line IHW01161 with OE of Nucleocapsid HLA-II TKAYNVTQAFGRRGP

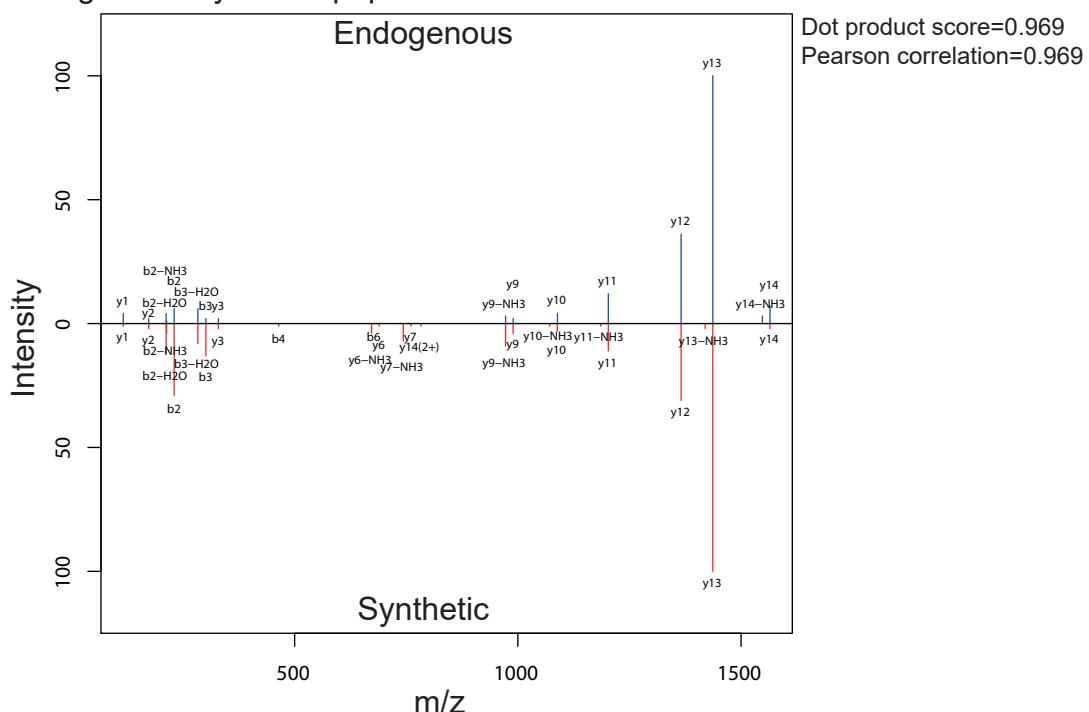
Endogenous peptide



Synthetic peptide

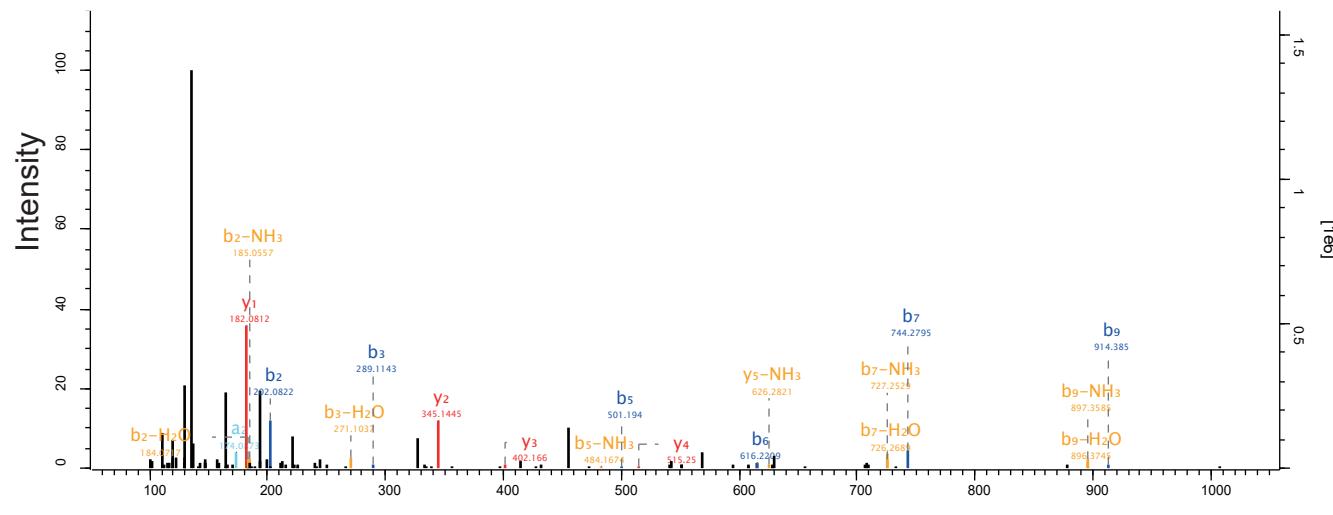


Endogenous/Synthetic peptide correlation

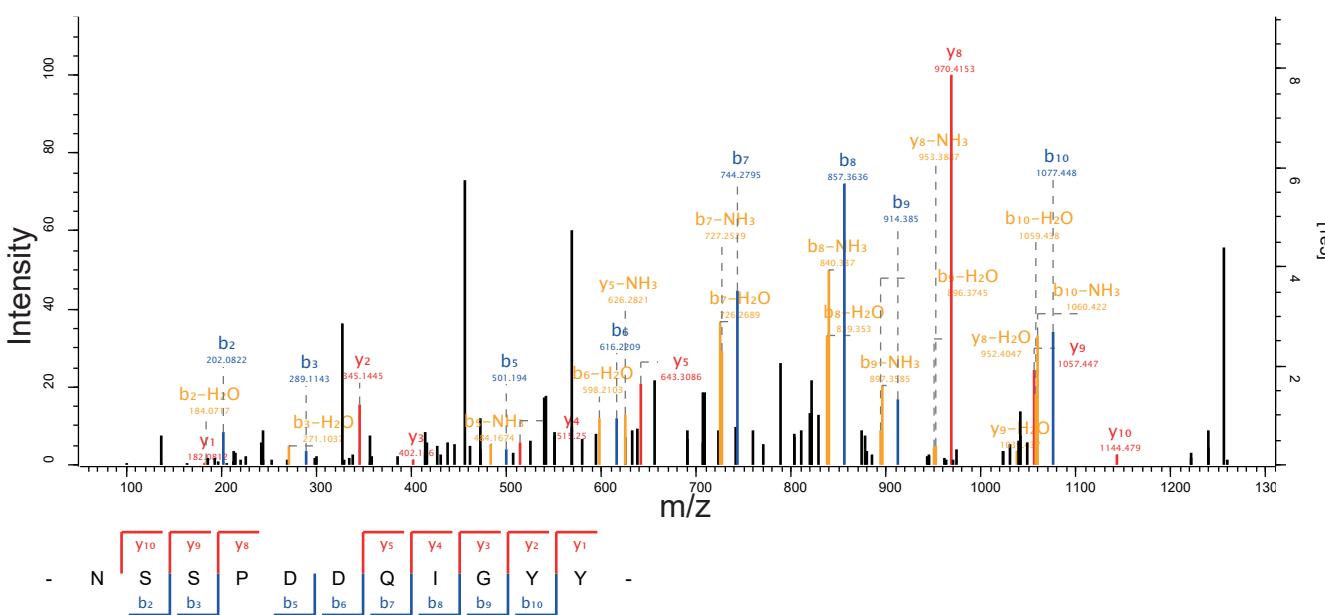


Calu-6 with OE of Nucleocapsid HLA-I NSSPDDQIGYY

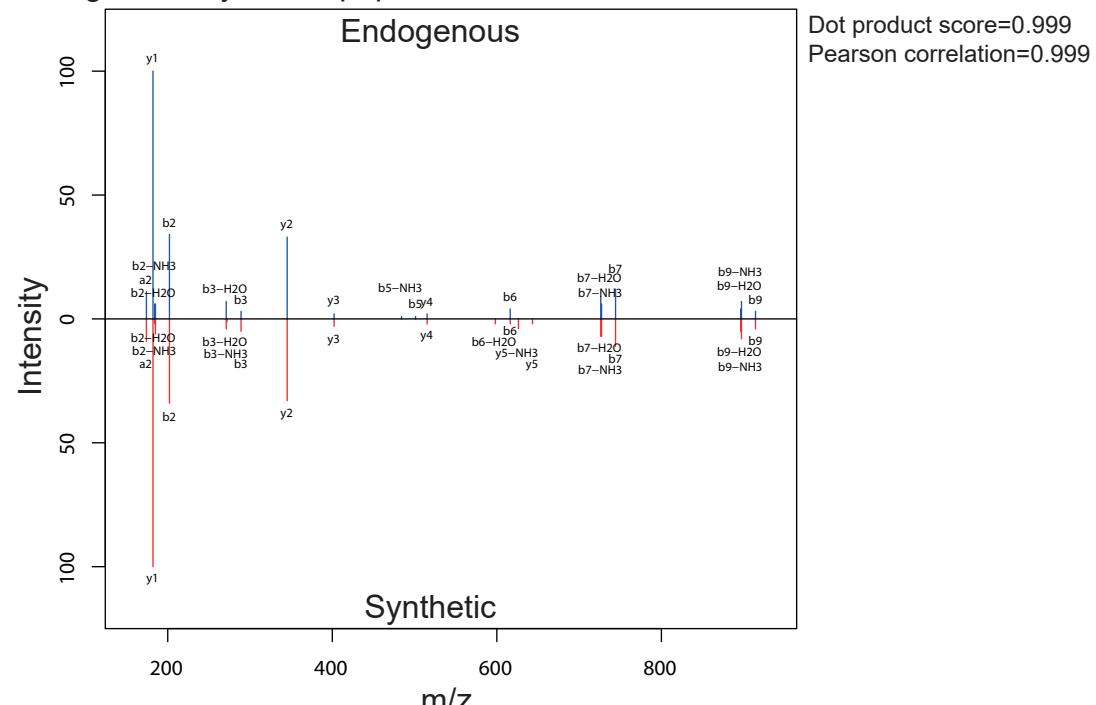
Endogenous peptide



Synthetic peptide

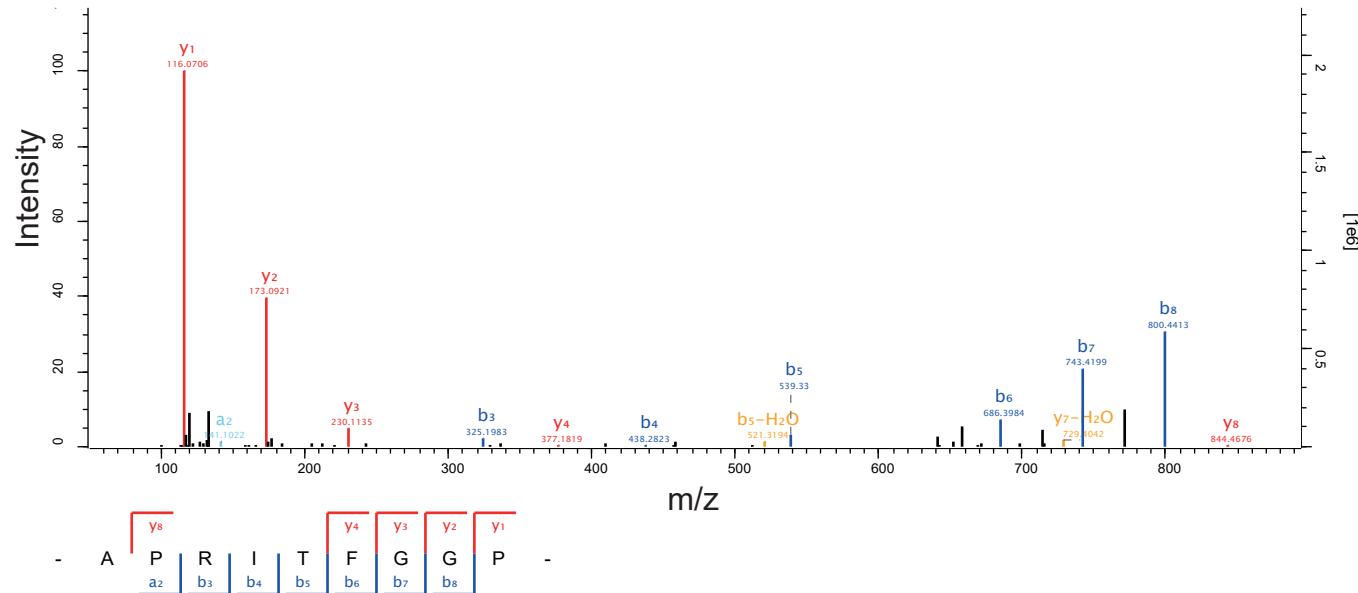


Endogenous/Synthetic peptide correlation

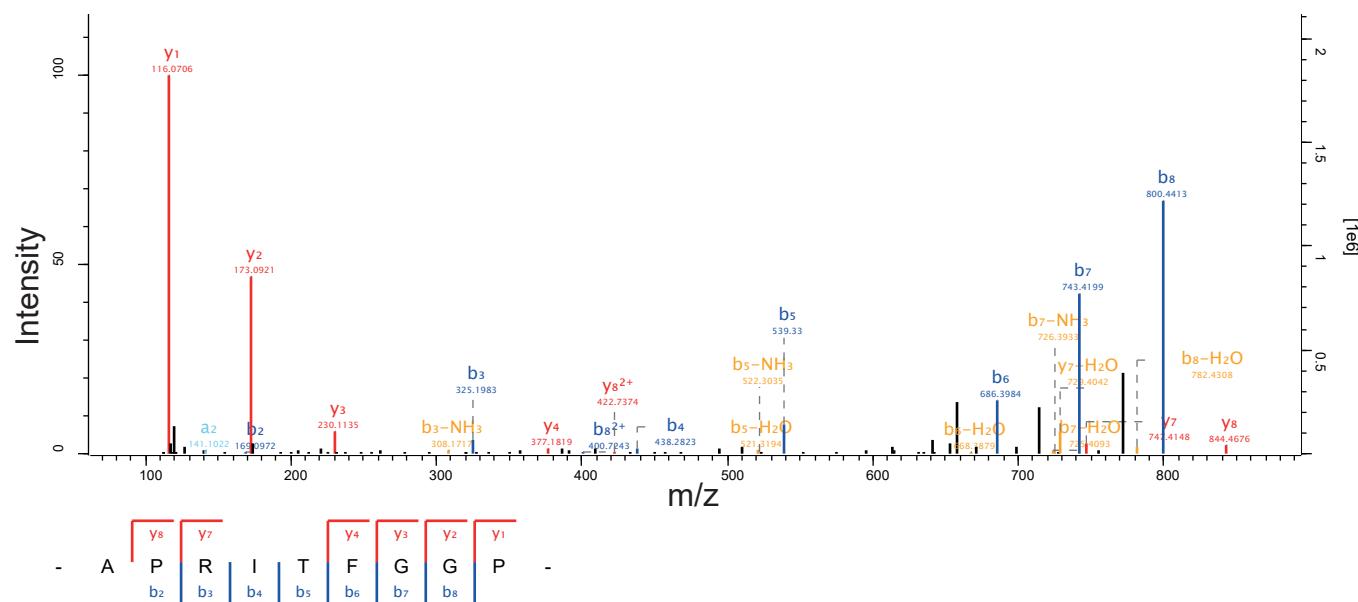


HEK293T infected with SARS-CoV-2 HLA-I APRITFGGP

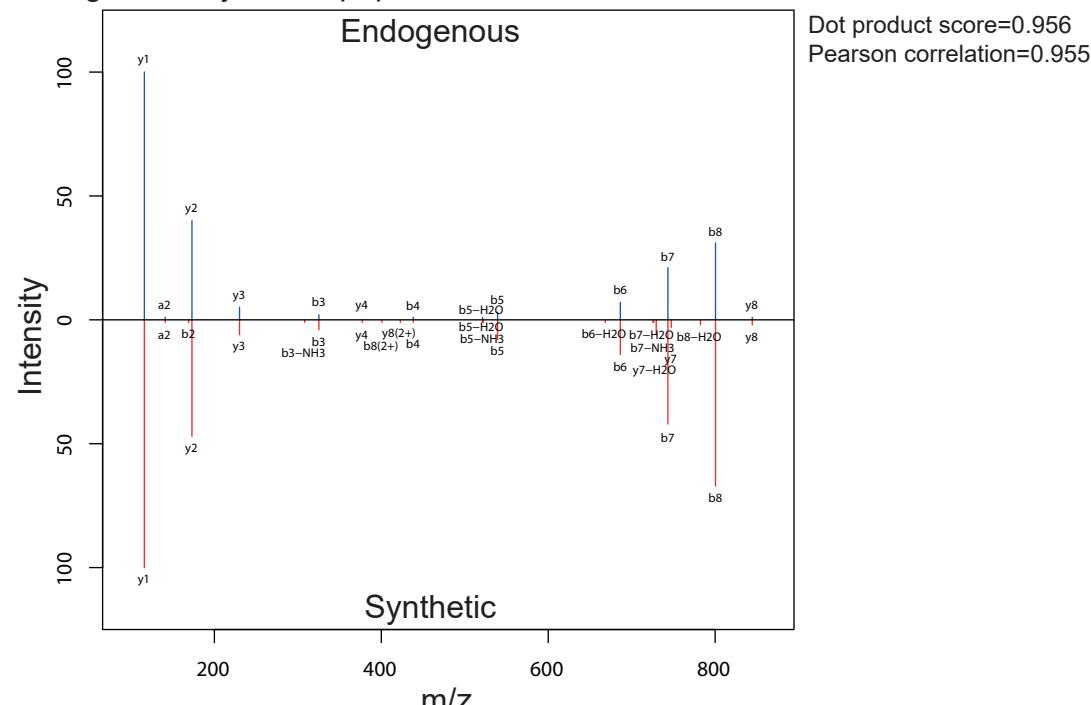
Endogenous peptide



Synthetic peptide

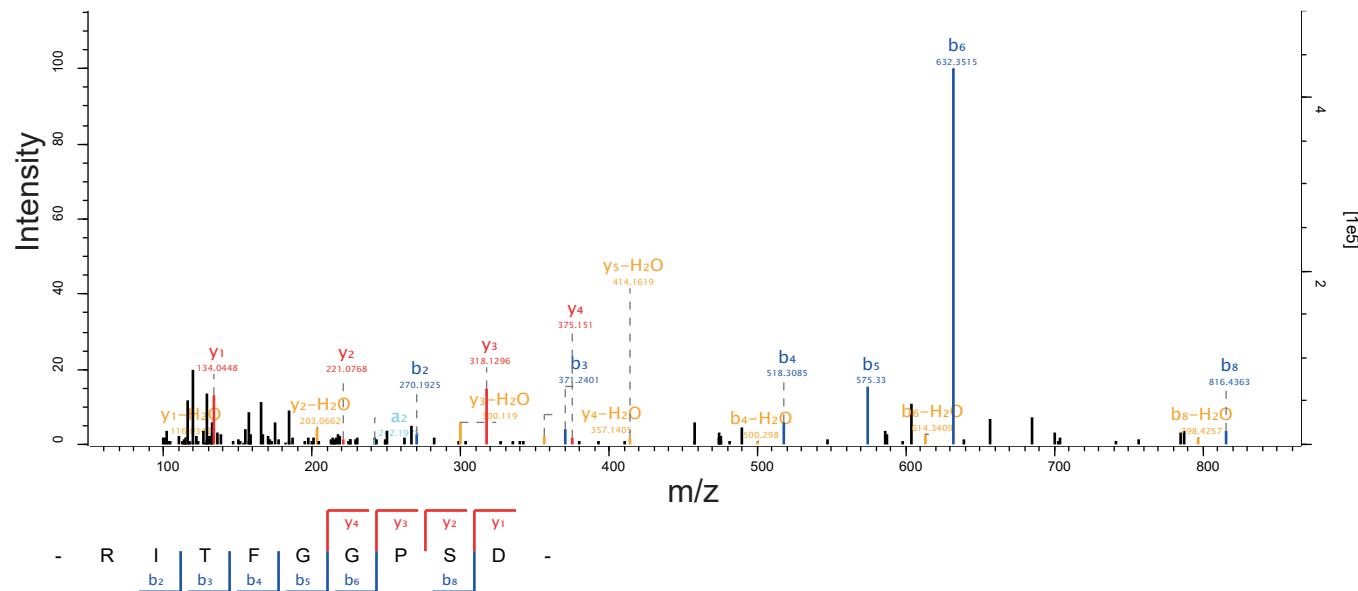


Endogenous/Synthetic peptide correlation

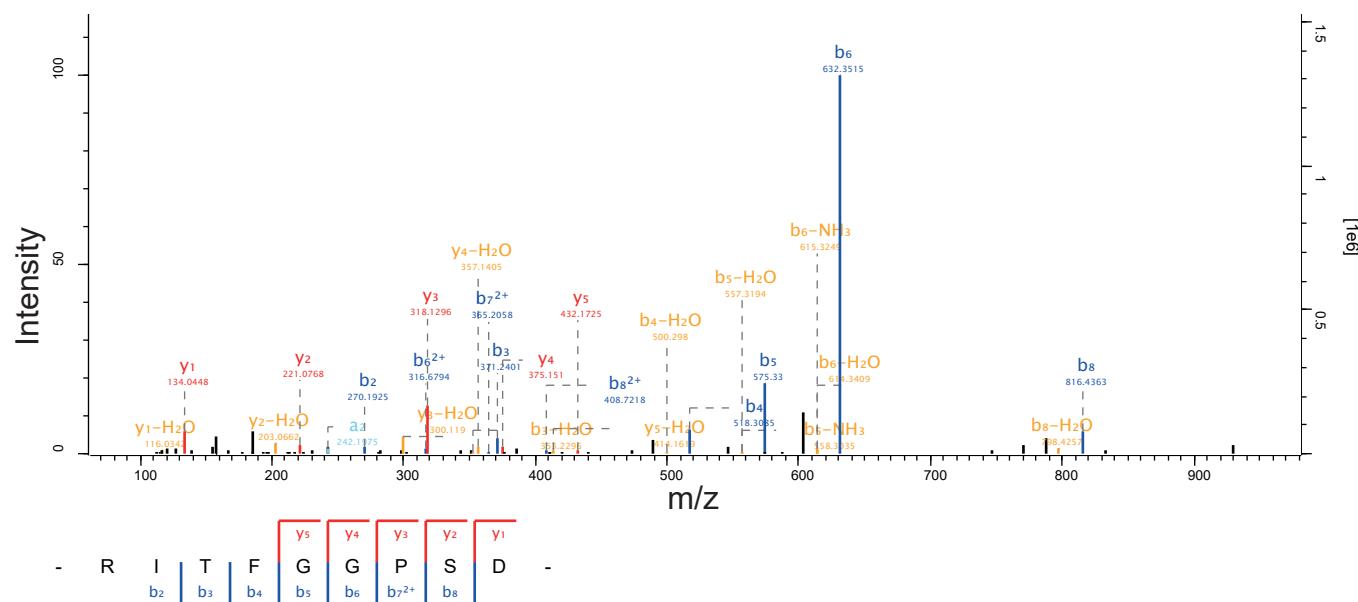


HEK293T infected with SARS-CoV-2 HLA-I RITFGGPSD

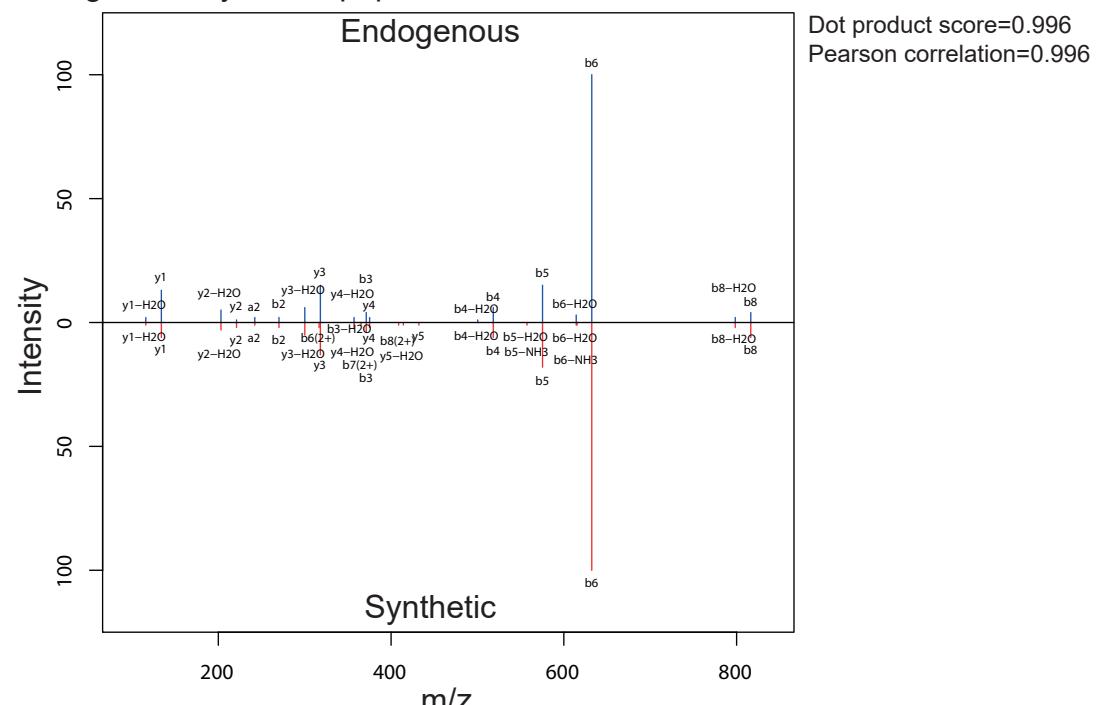
Endogenous peptide



Synthetic peptide

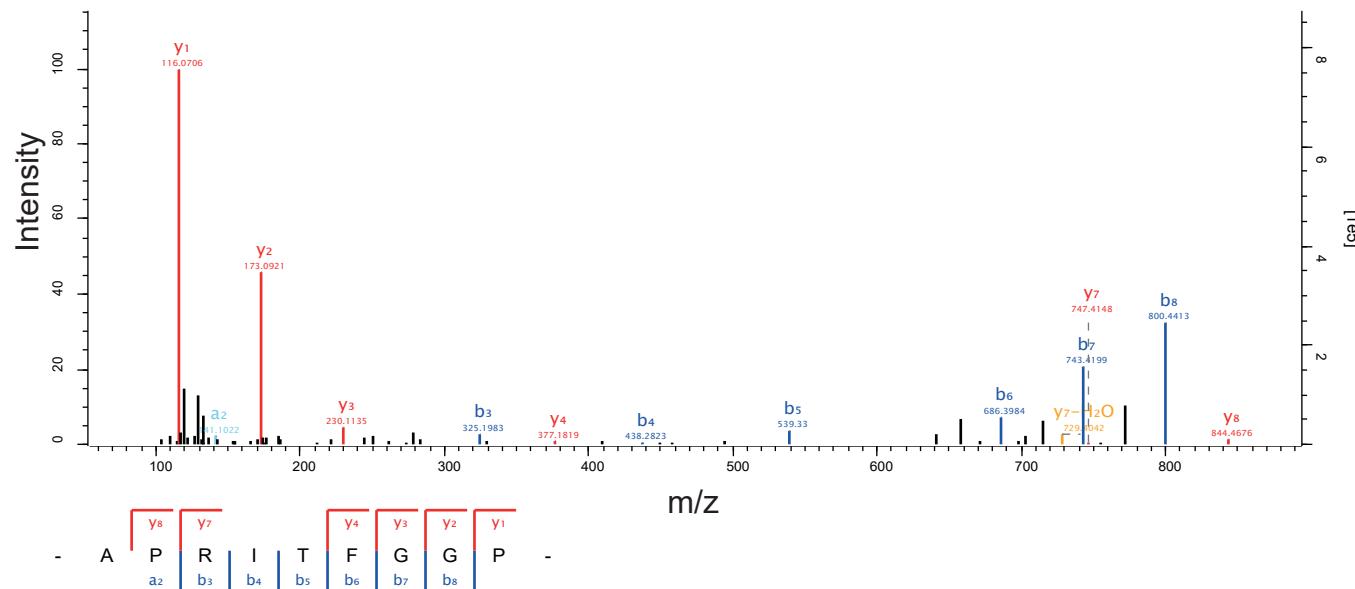


Endogenous/Synthetic peptide correlation

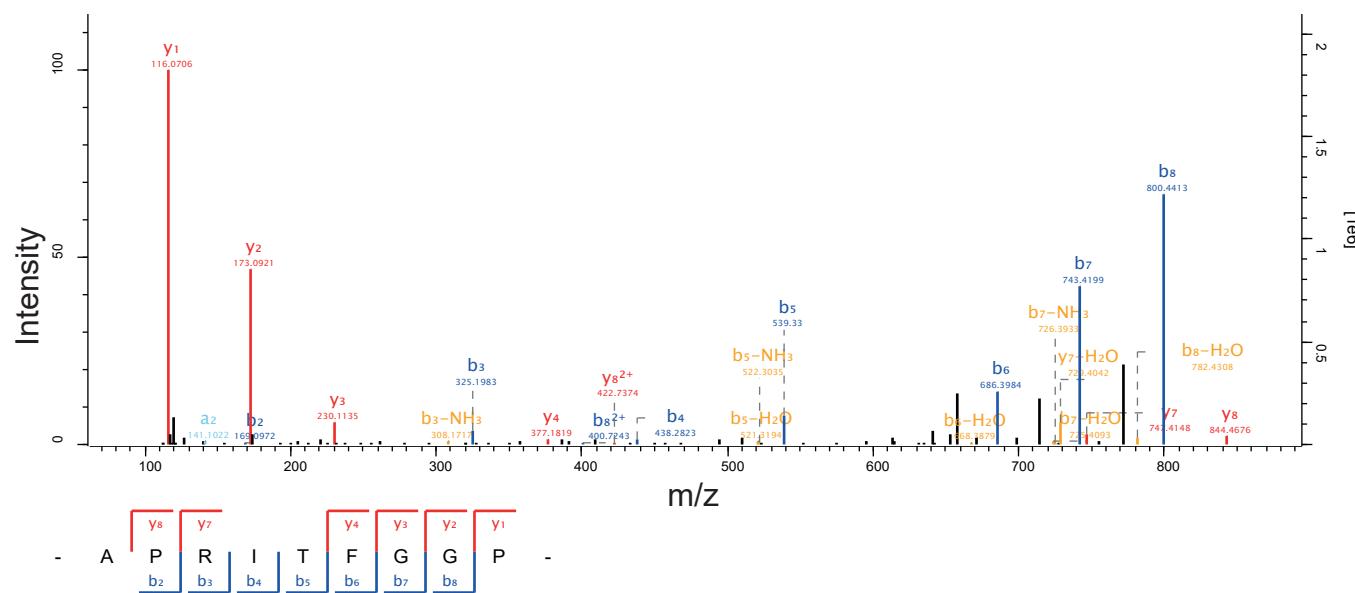


Calu-3 infected with SARS-CoV-2 HLA-I APRITFGGP

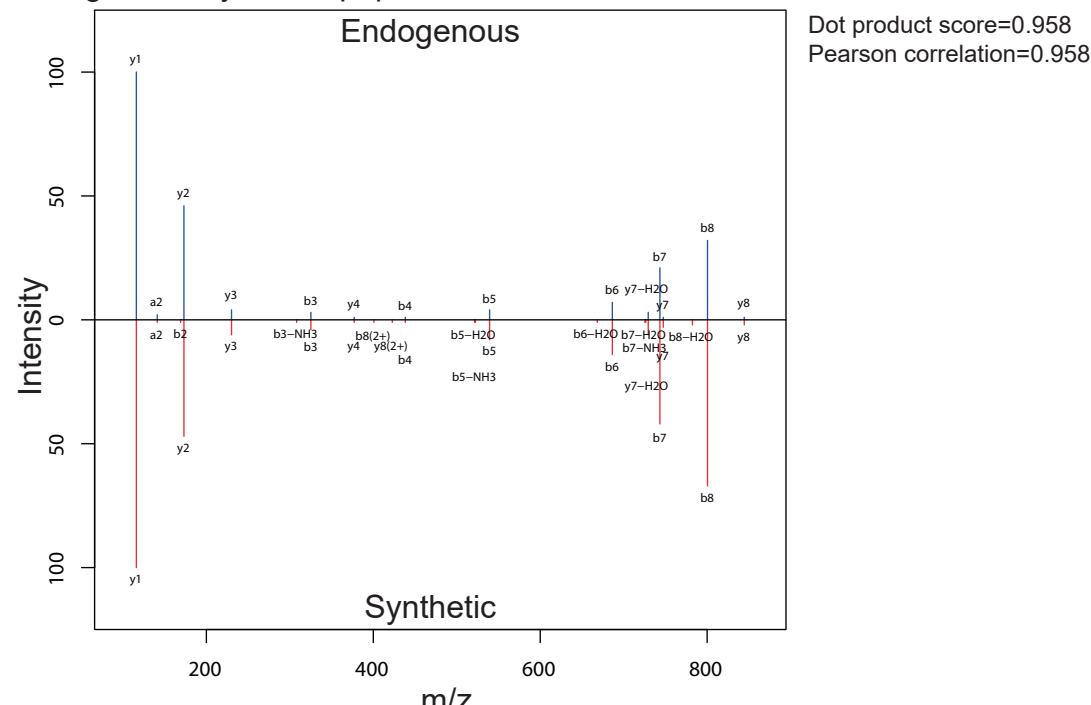
Endogenous peptide



Synthetic peptide

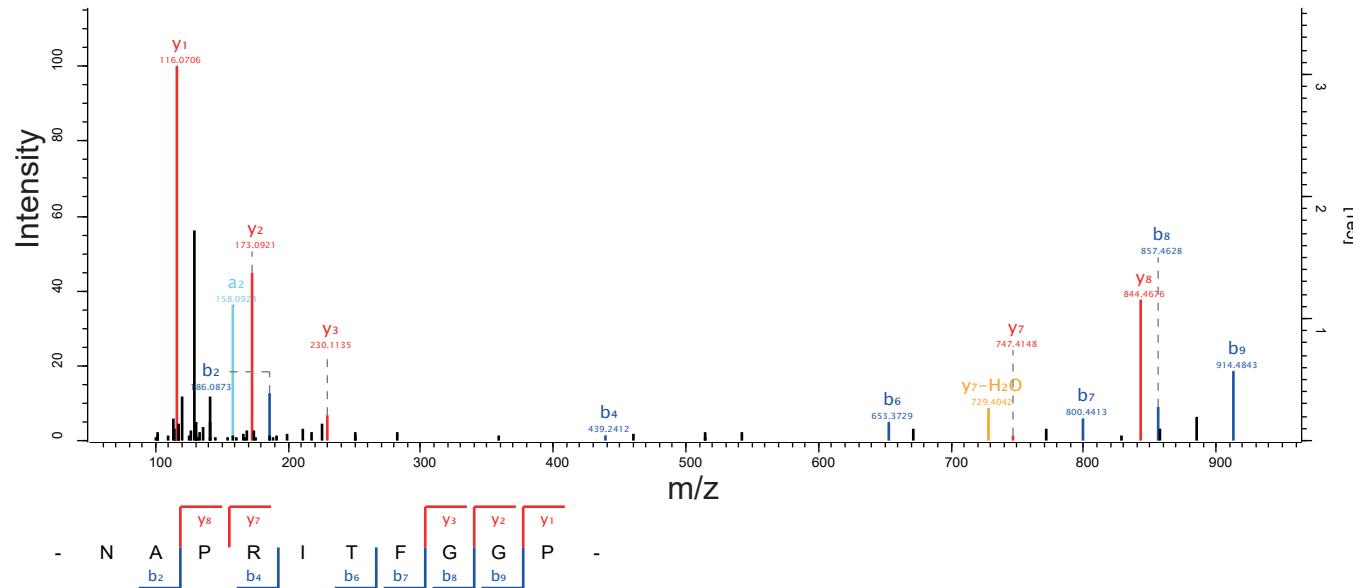


Endogenous/Synthetic peptide correlation

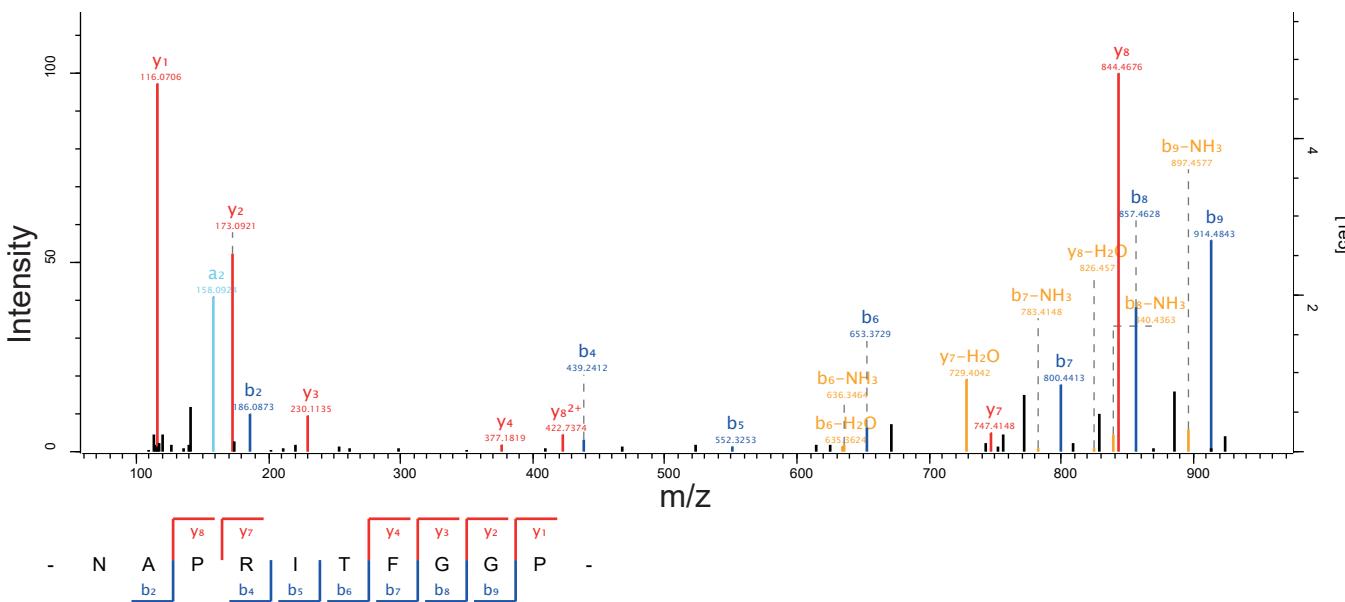


Calu-3 infected with SARS-CoV-2 HLA-I NAPRITFGGP

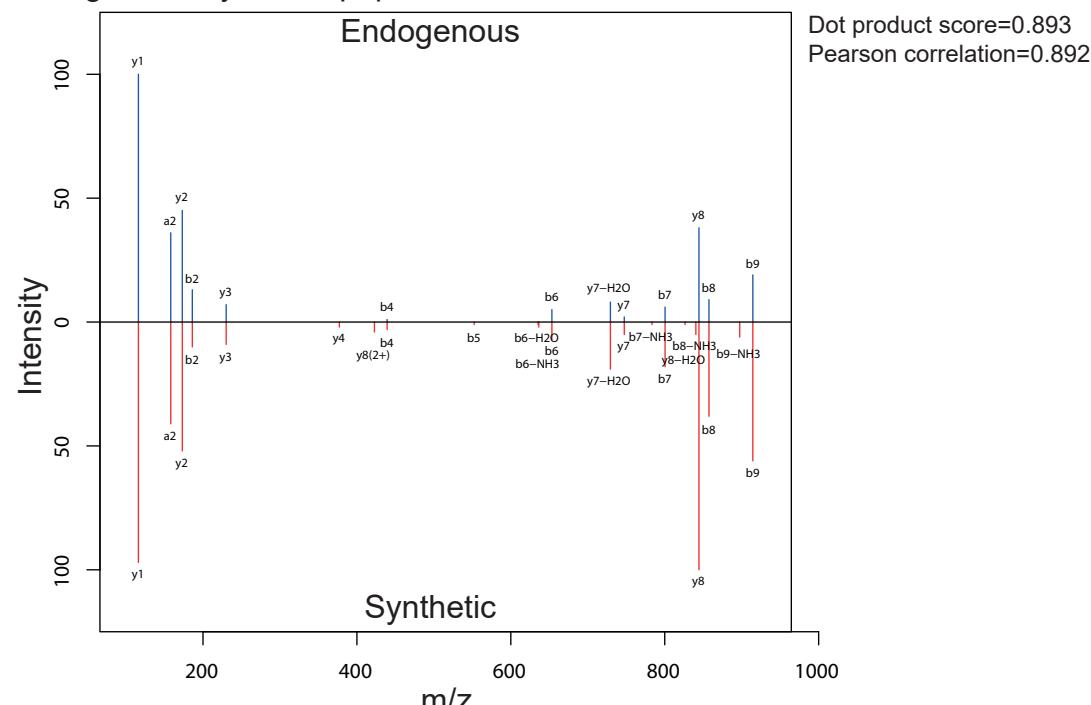
Endogenous peptide



Synthetic peptide

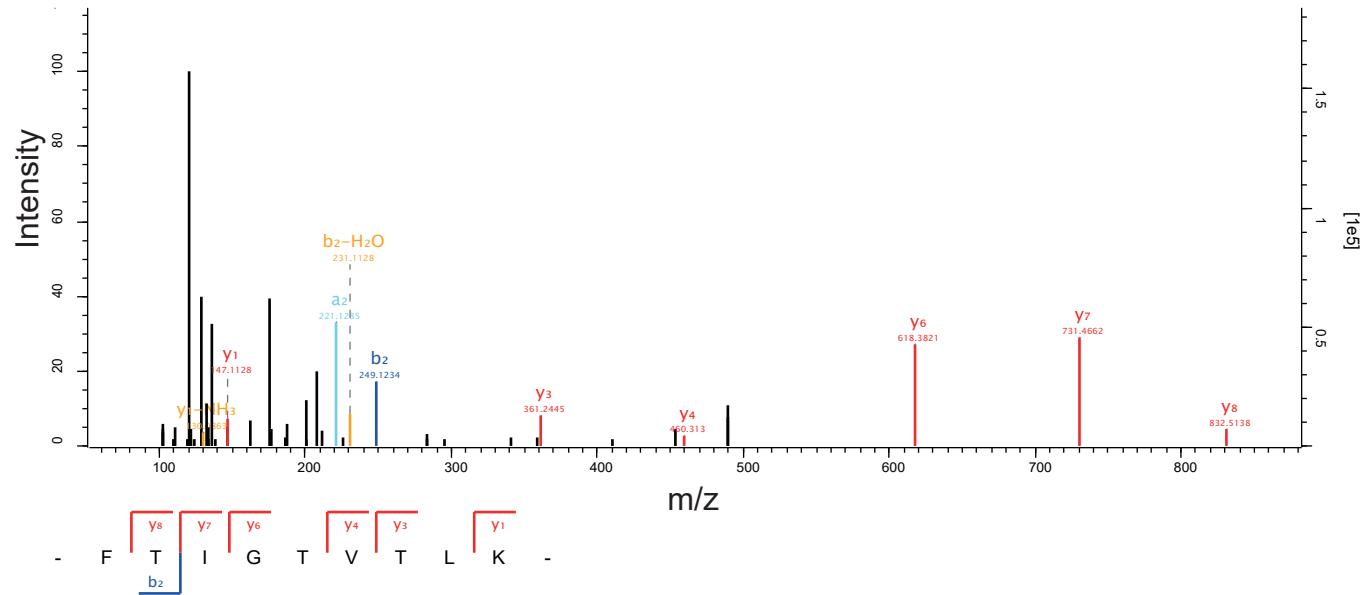


Endogenous/Synthetic peptide correlation

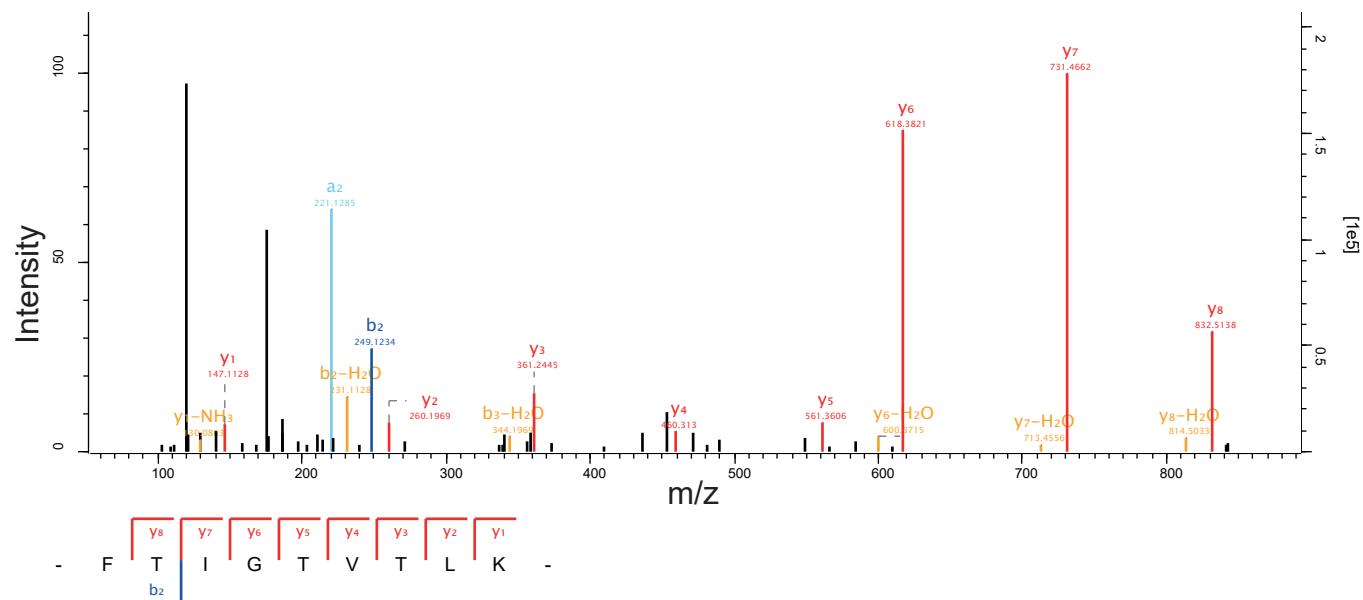


Calu-3 infected with SARS-CoV-2 HLA-I FTIGTVTLK

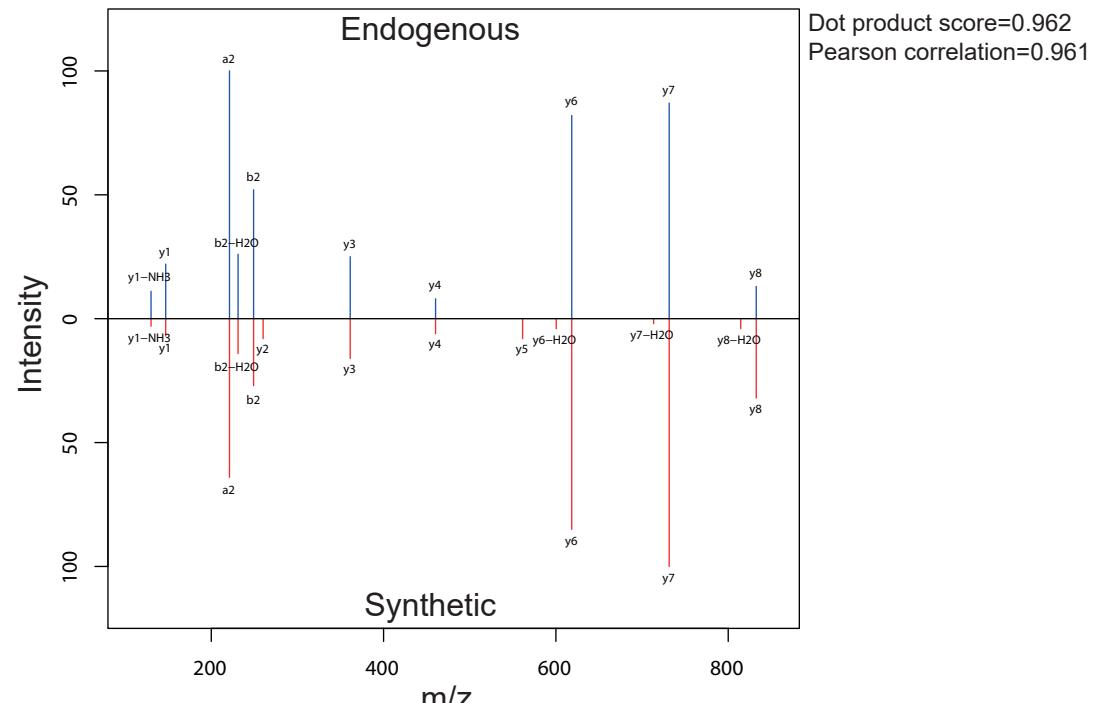
Endogenous peptide



Synthetic peptide

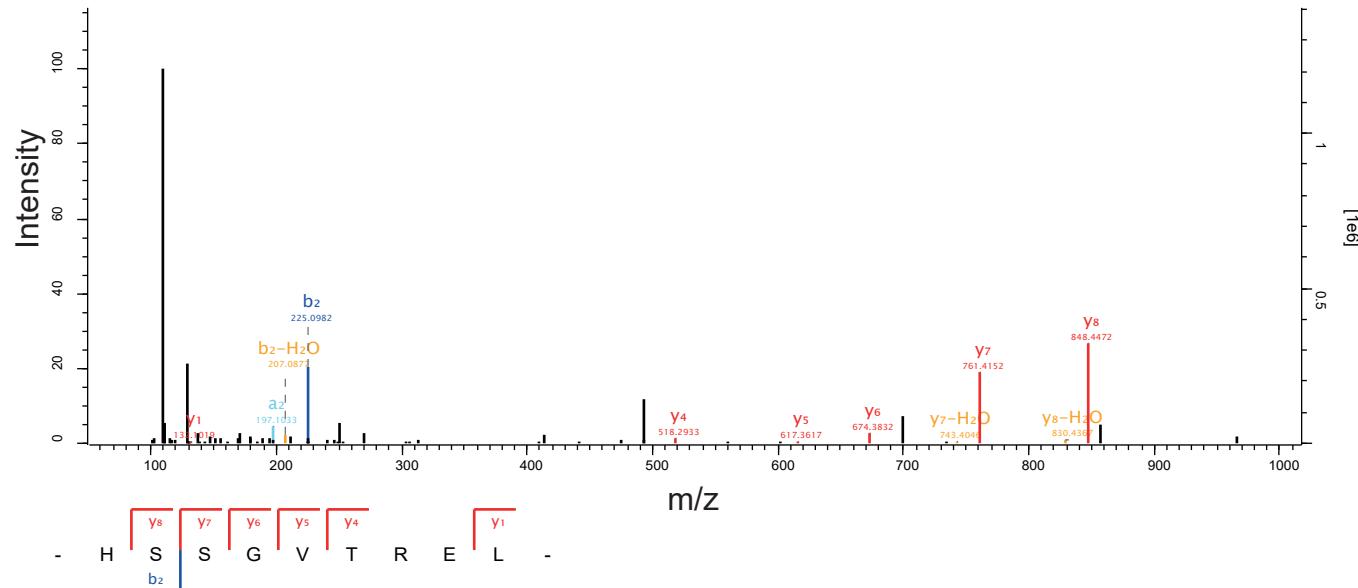


Endogenous/Synthetic peptide correlation

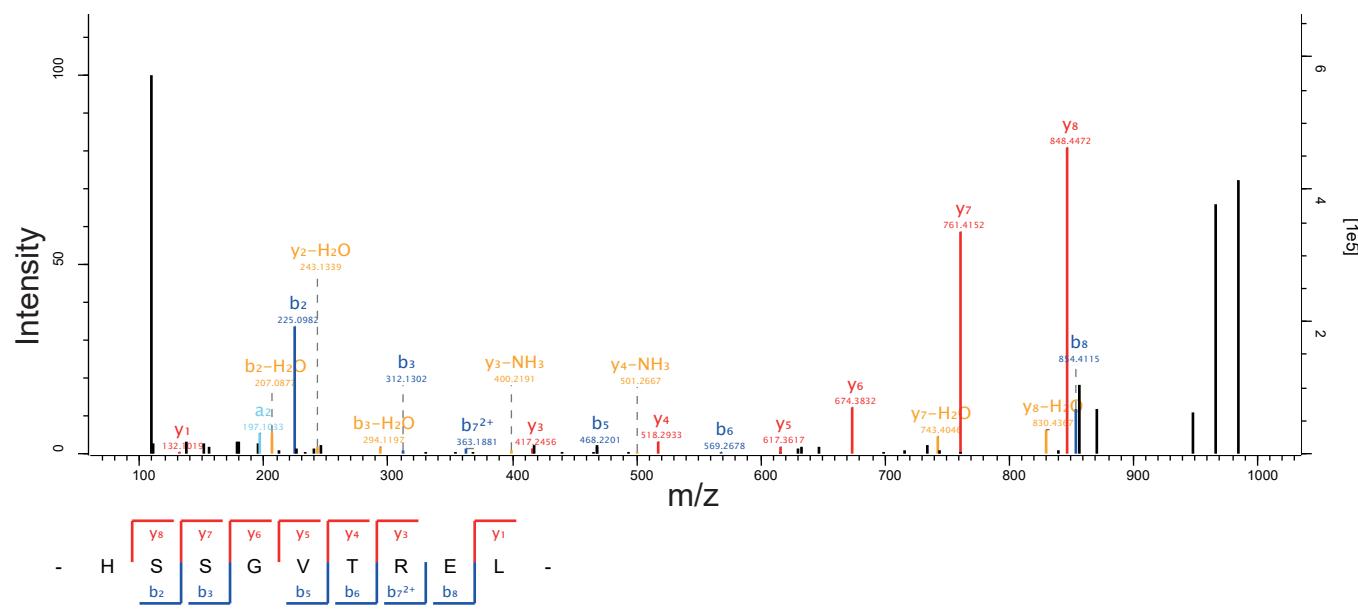


Calu-3 infected with SARS-CoV-2 HLA-I HSSGVTREL

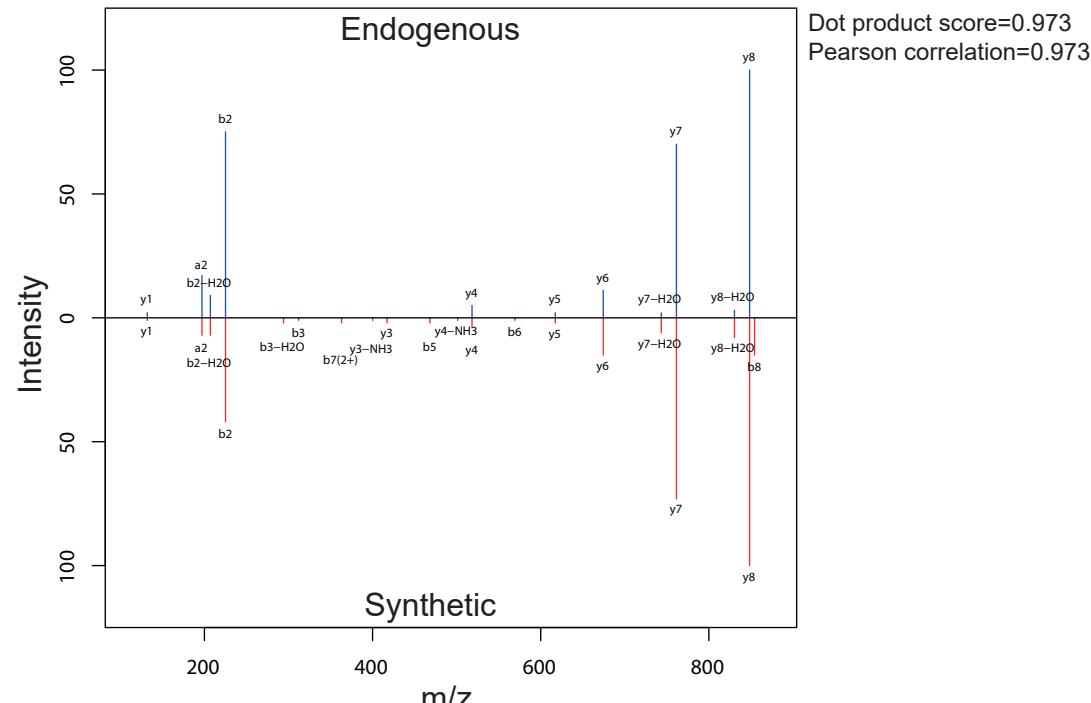
Endogenous peptide



Synthetic peptide

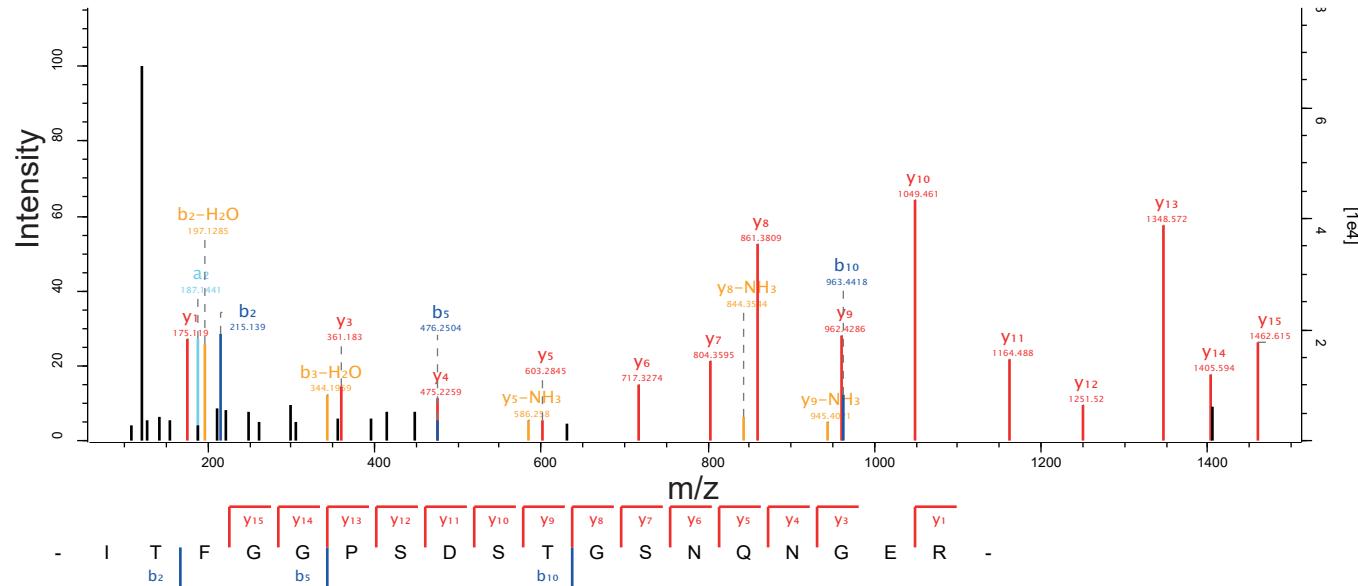


Endogenous/Synthetic peptide correlation

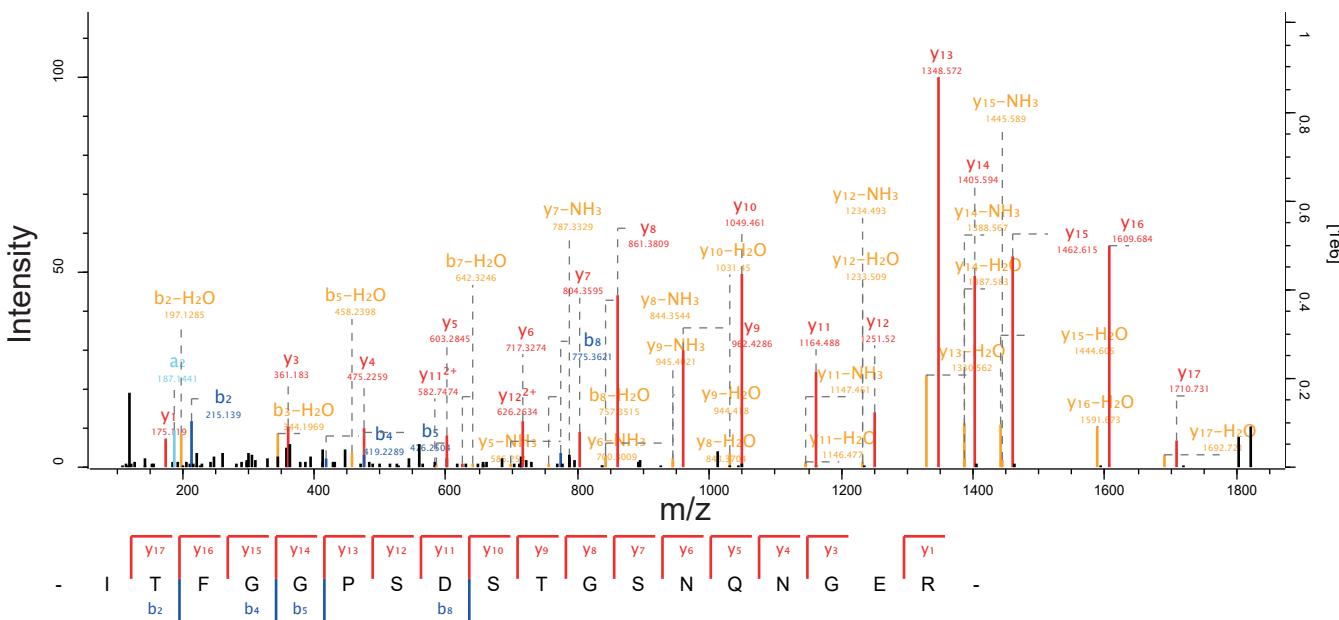


Calu-3 infected with SARS-CoV-2 HLA-I ITFGGPDSTGSNQNGER

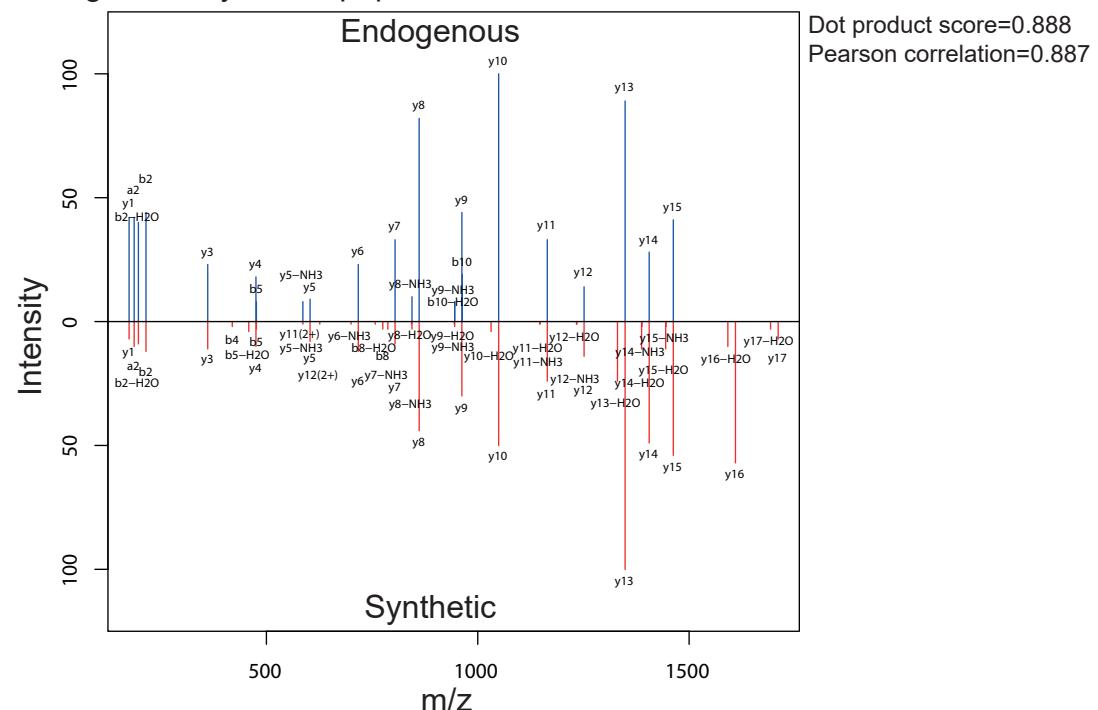
Endogenous peptide



Synthetic peptide

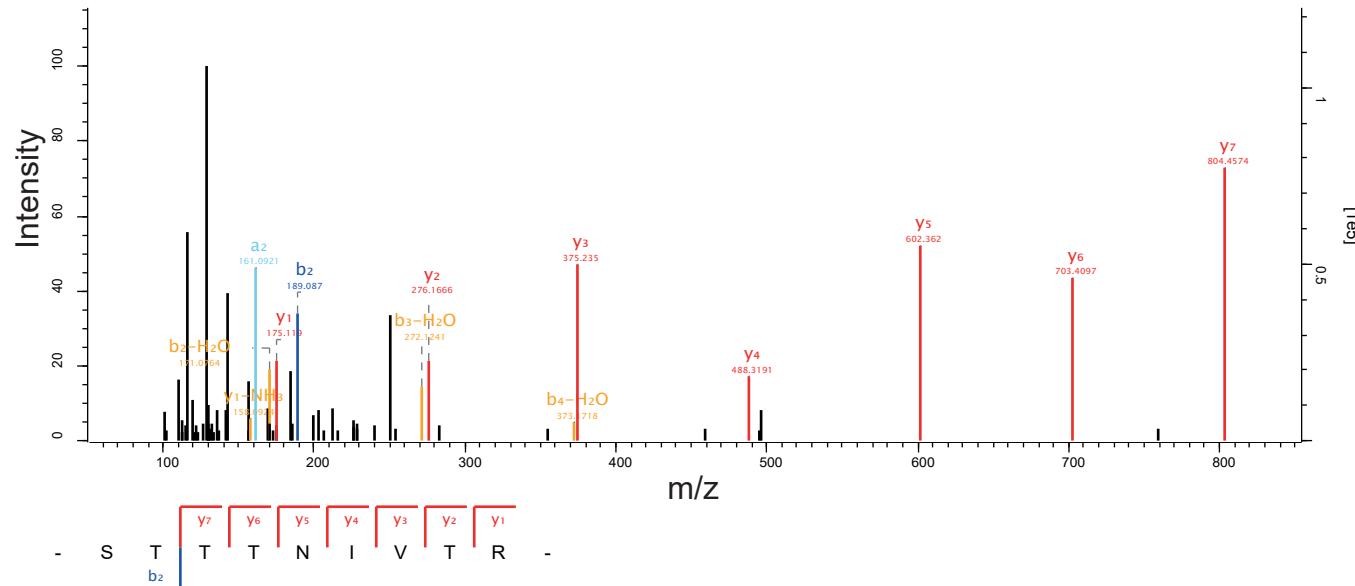


Endogenous/Synthetic peptide correlation

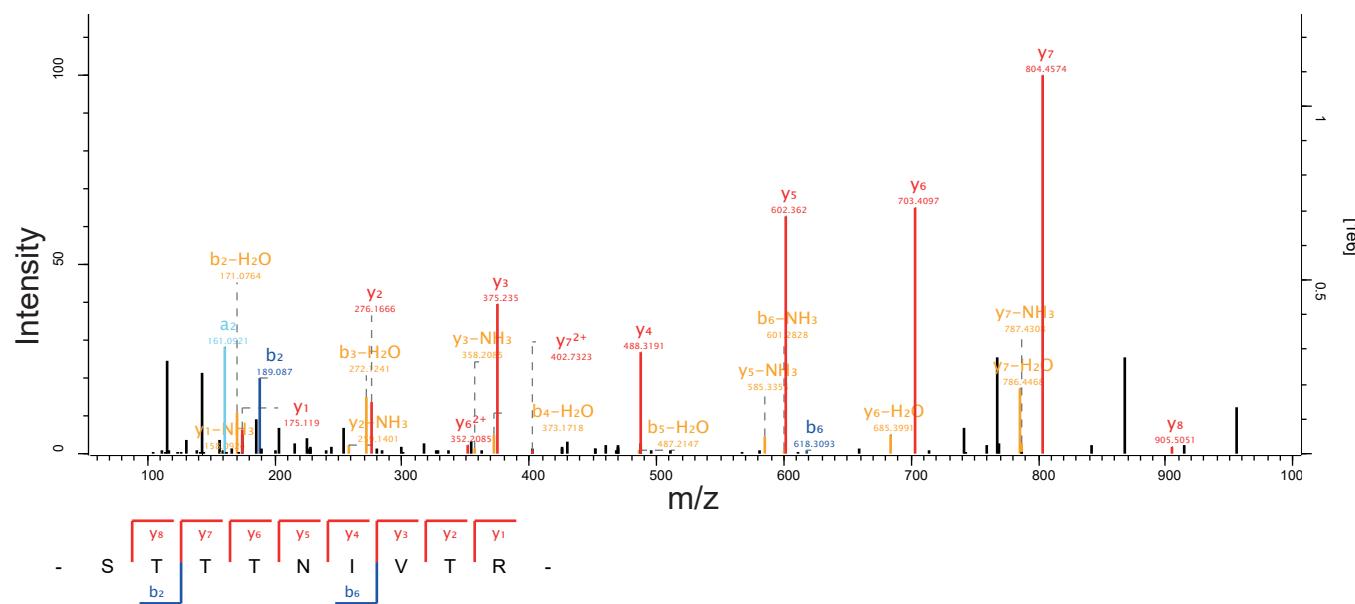


Calu-3 infected with SARS-CoV-2 HLA-I STTTNIVTR

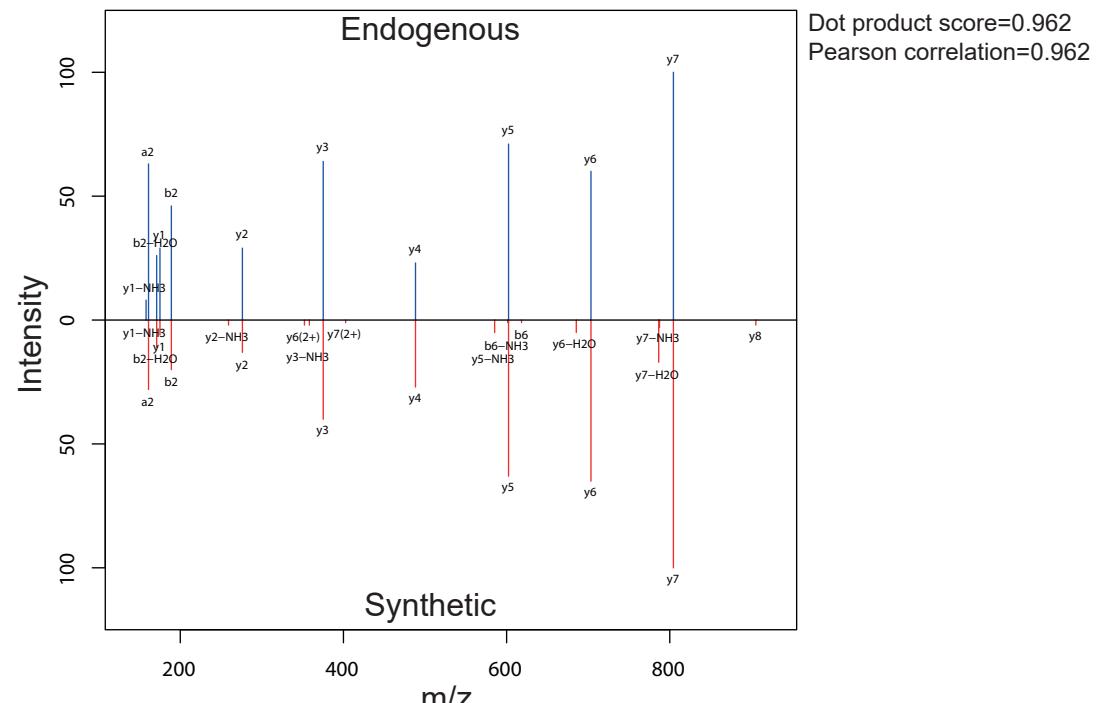
Endogenous peptide



Synthetic peptide

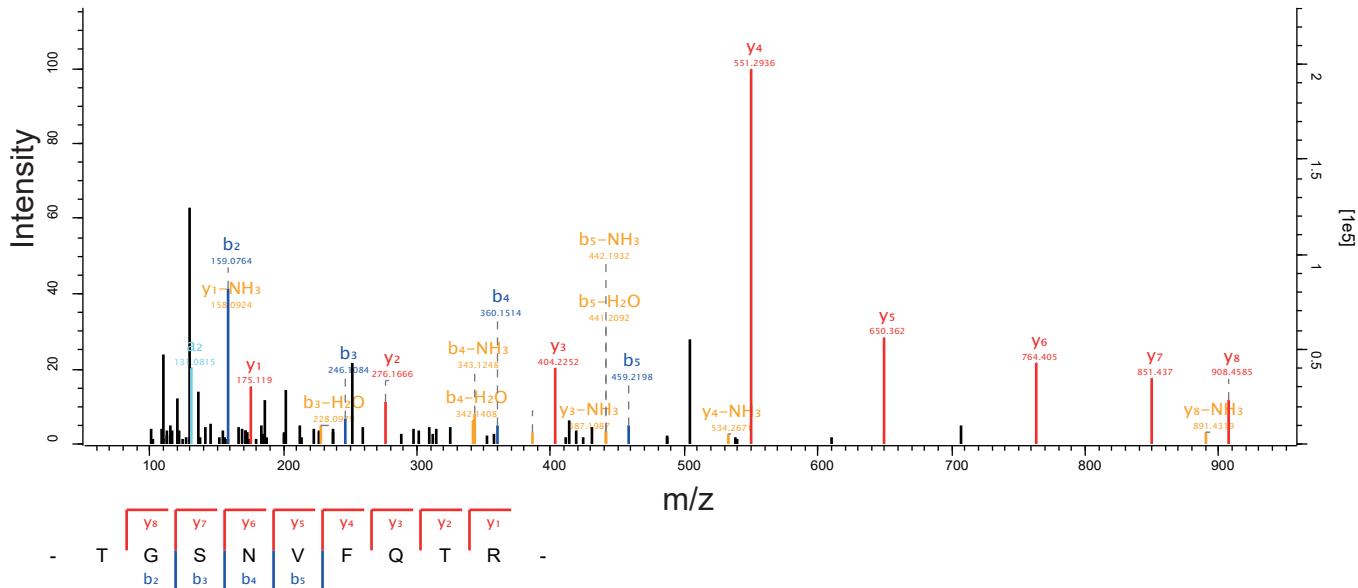


Endogenous/Synthetic peptide correlation

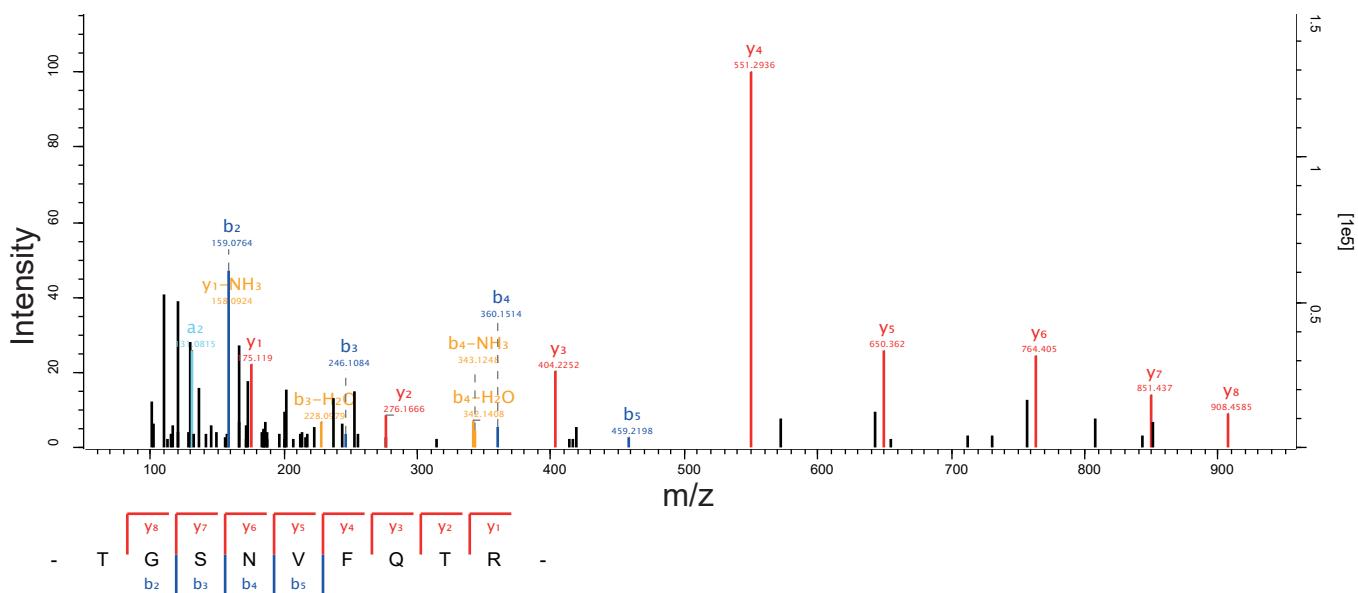


Calu-3 infected with SARS-CoV-2 HLA-I TGSNVFQTR

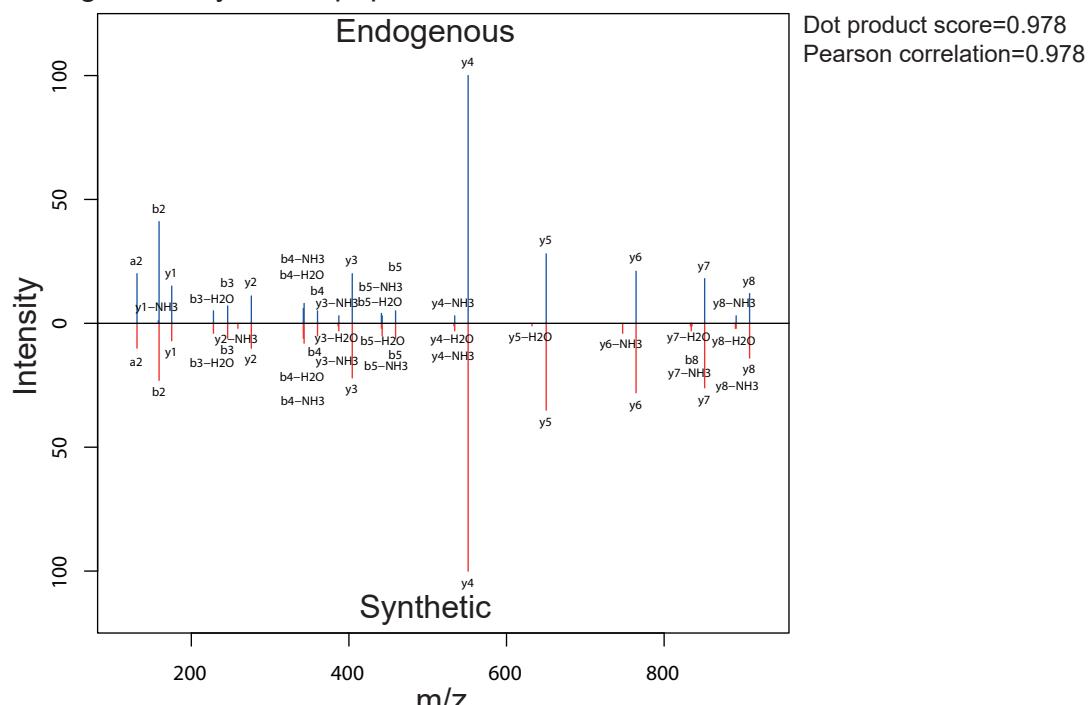
Endogenous peptide



Synthetic peptide

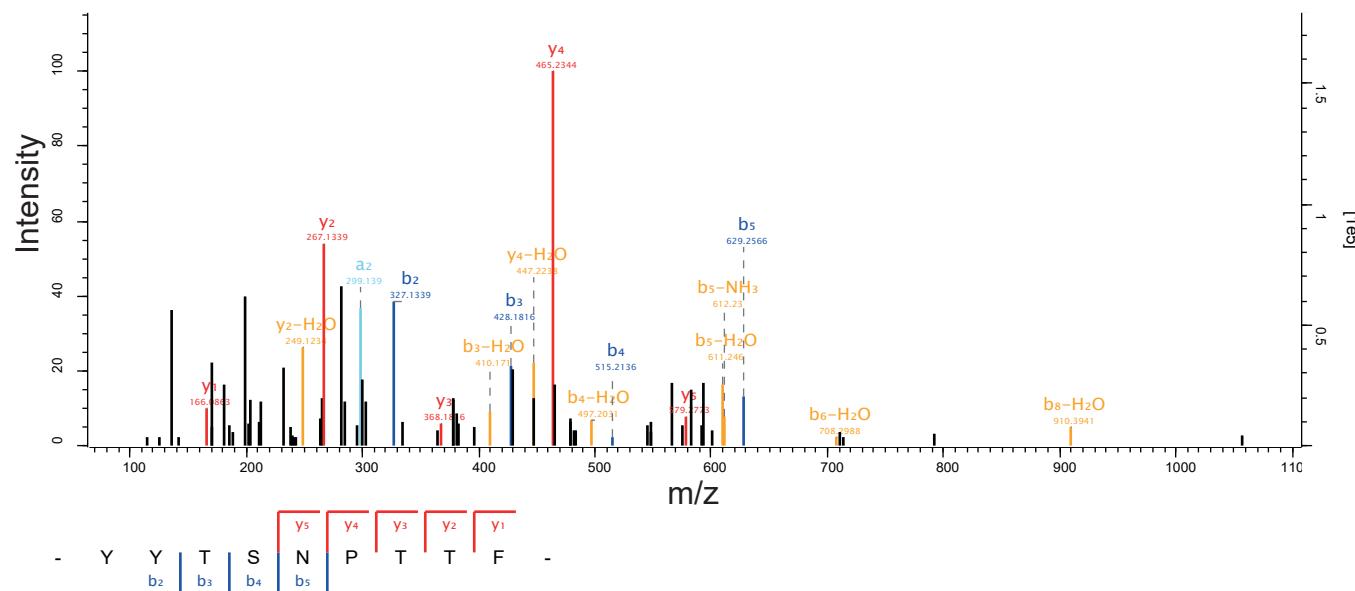


Endogenous/Synthetic peptide correlation

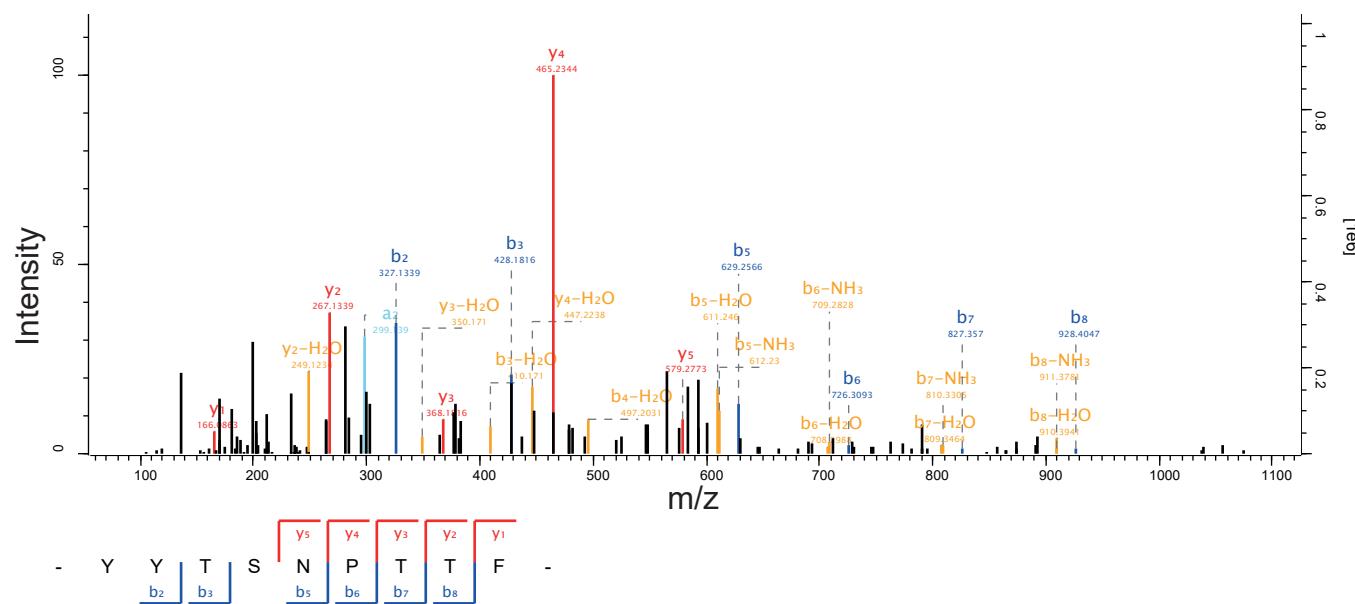


Calu-3 infected with SARS-CoV-2 HLA-I YYTSNPTTF

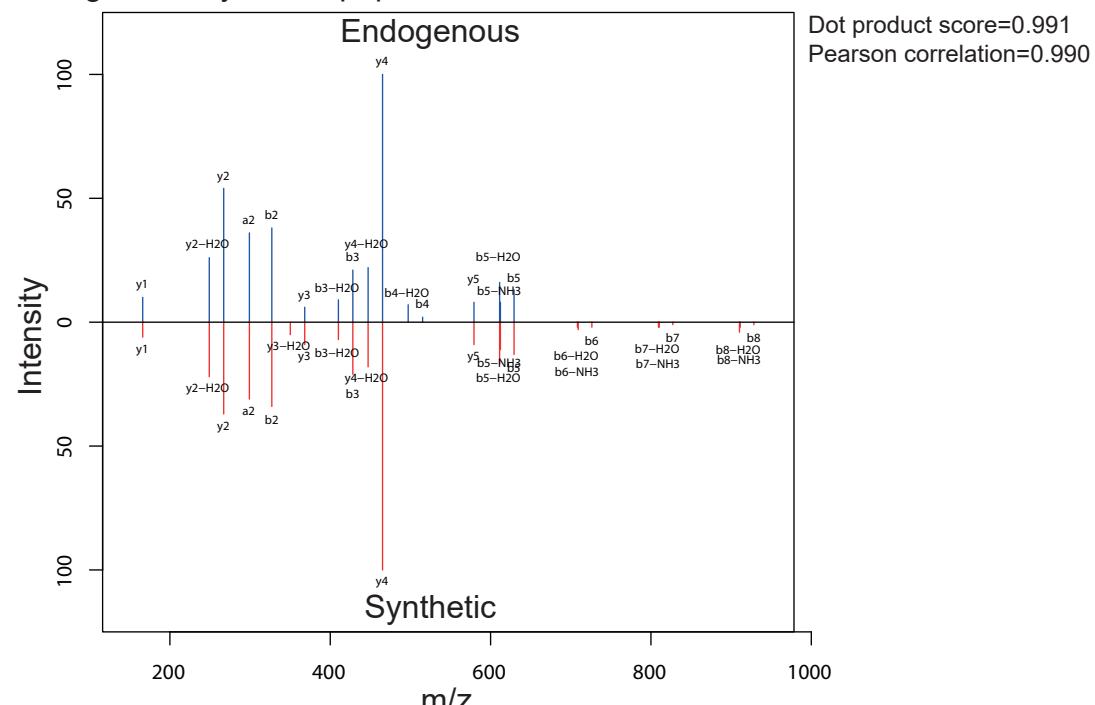
Endogenous peptide



Synthetic peptide

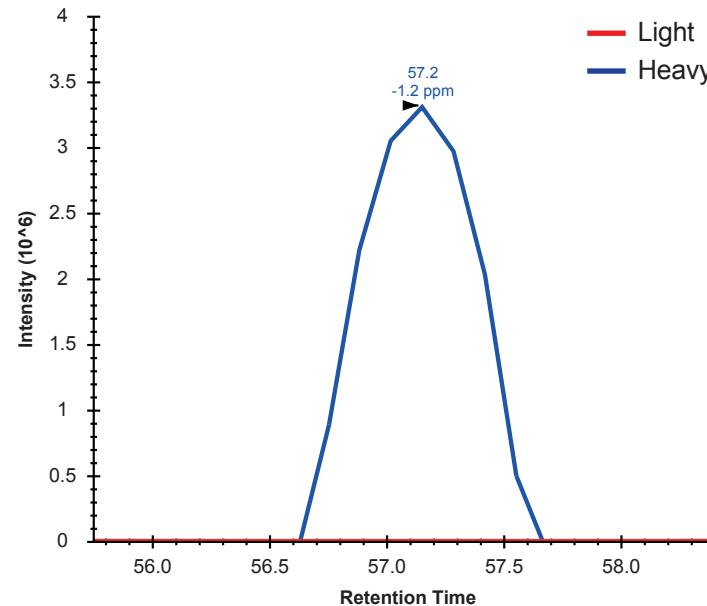


Endogenous/Synthetic peptide correlation

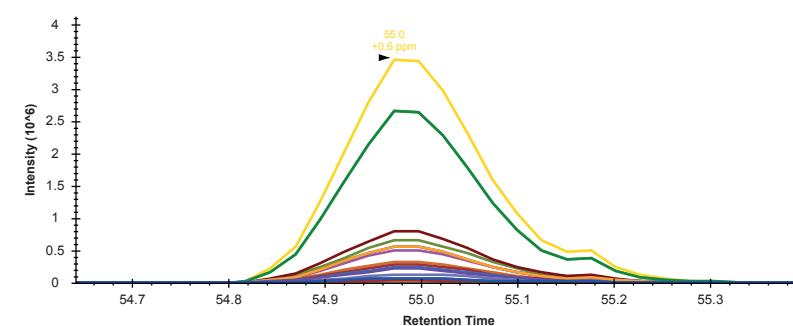
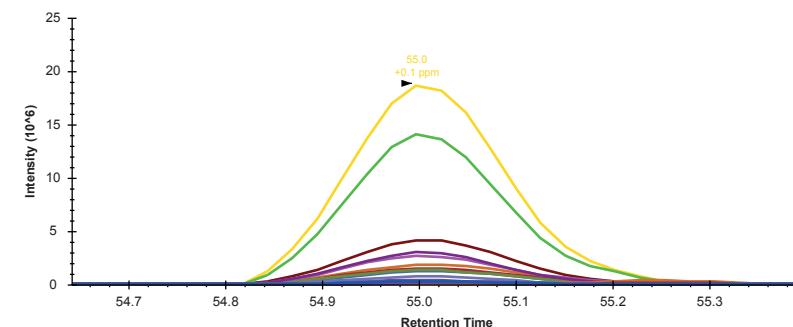
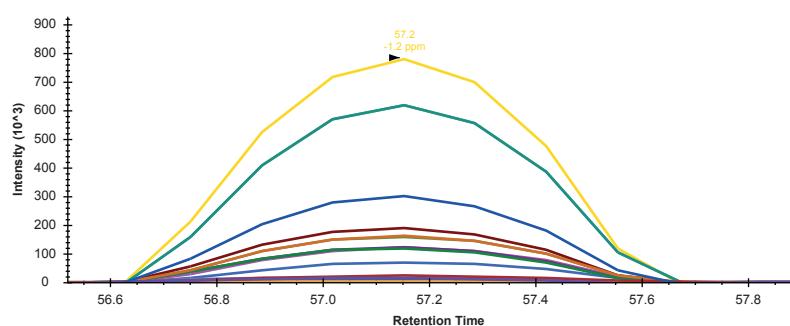
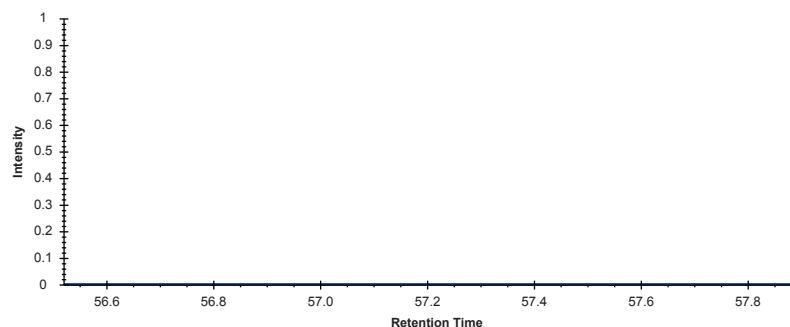
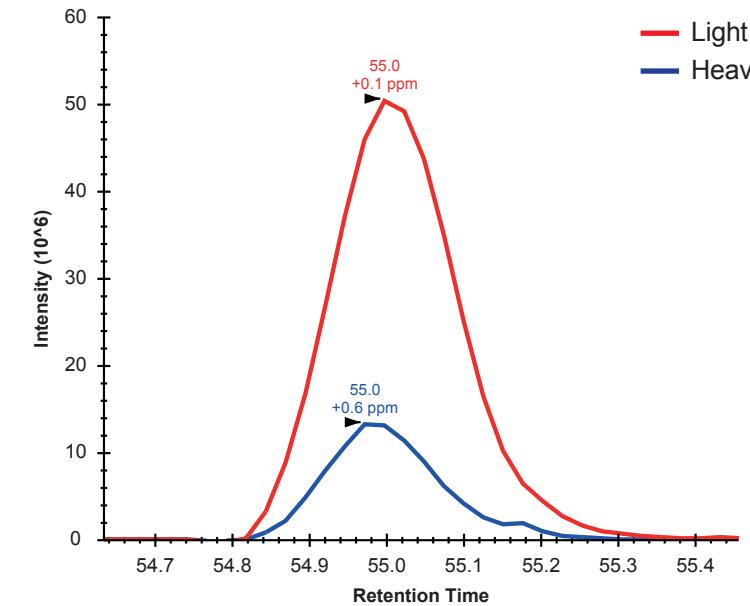


B. Isotopically labeled synthetic peptides

LSYYKLGASQRVAGD - Synthetic peptide



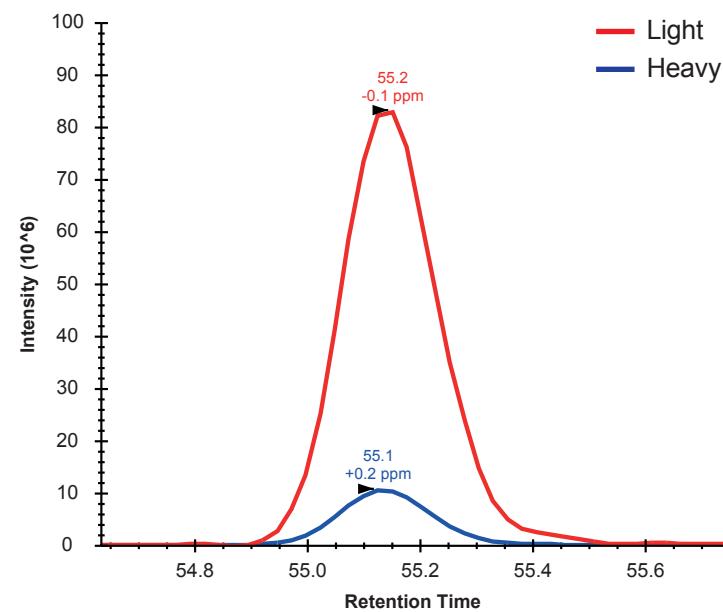
LSYYKLGASQRVAGD - 721.221+A*24:02+M



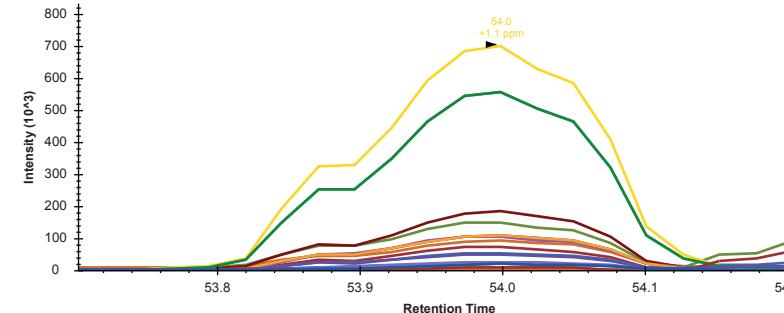
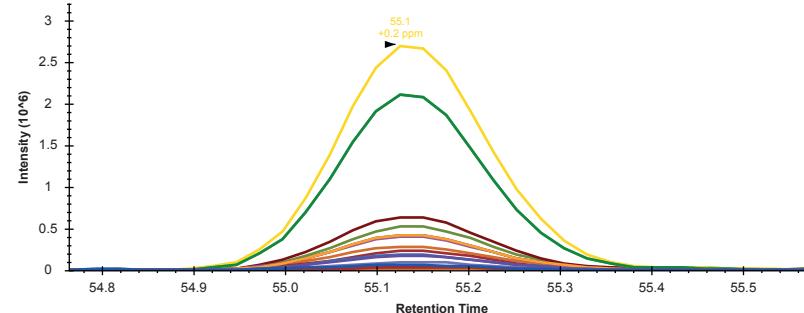
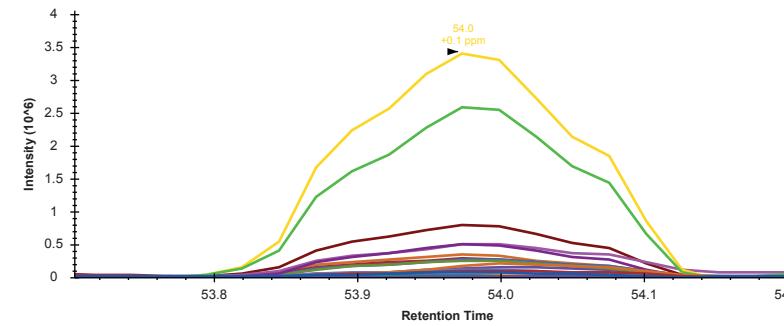
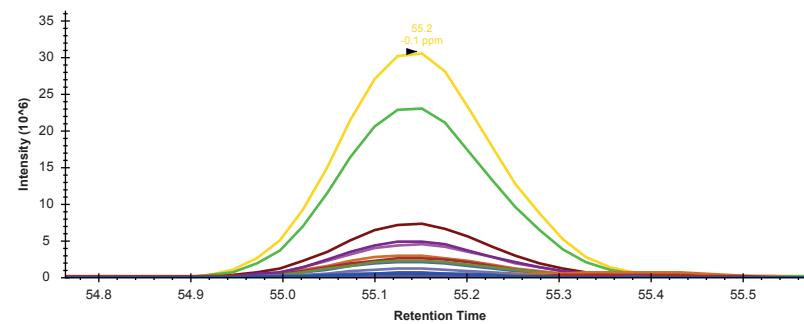
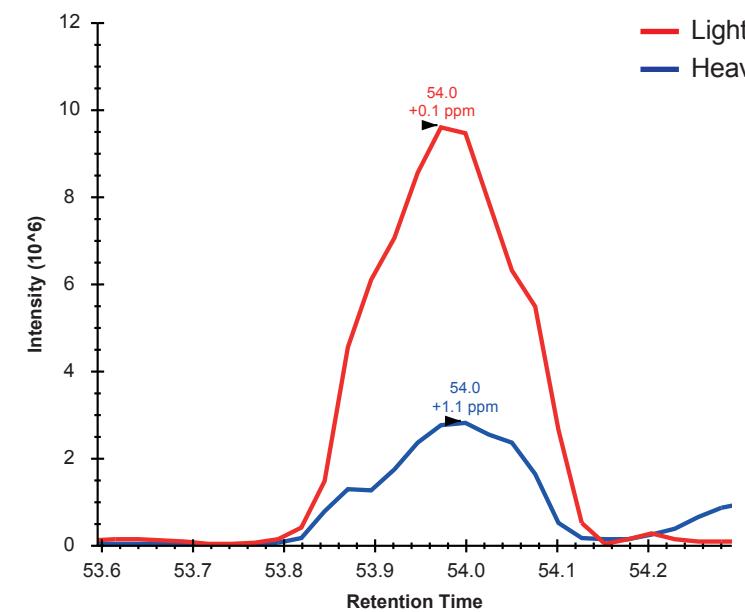
- y12 - 1264.6644+
- y11 - 1101.6011+
- y10 - 973.5061+
- y9 - 860.4221+
- y8 - 803.4006+
- y7 - 732.3635+
- y6 - 645.3315+
- y5 - 517.2729+
- y4 - 361.1718+
- y3 - 262.1034+
- y2 - 191.0662+
- y1 - 134.0448+

- b3 - 364.1867+
- b4 - 527.2500+
- b6 - 768.4291+
- b7 - 825.4505+
- b8 - 896.4876+
- b9 - 983.5197+
- b10 - 1111.5782+

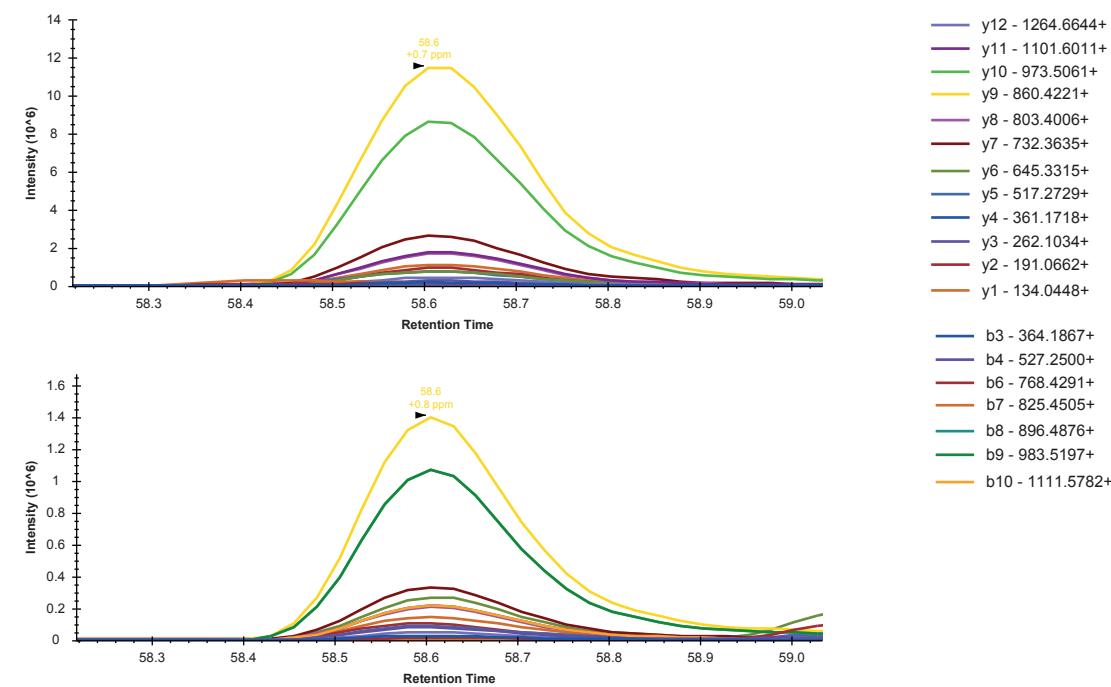
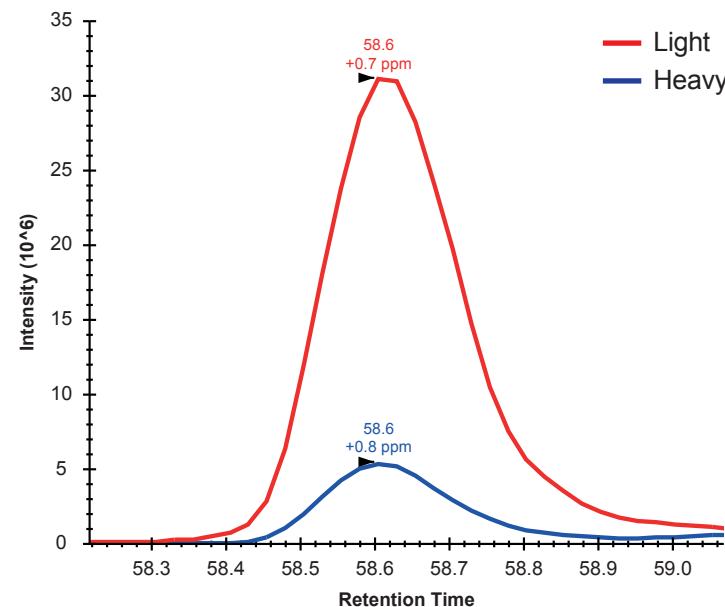
LSYYKLGASQRVAGD - 721.221+A*11:01+M



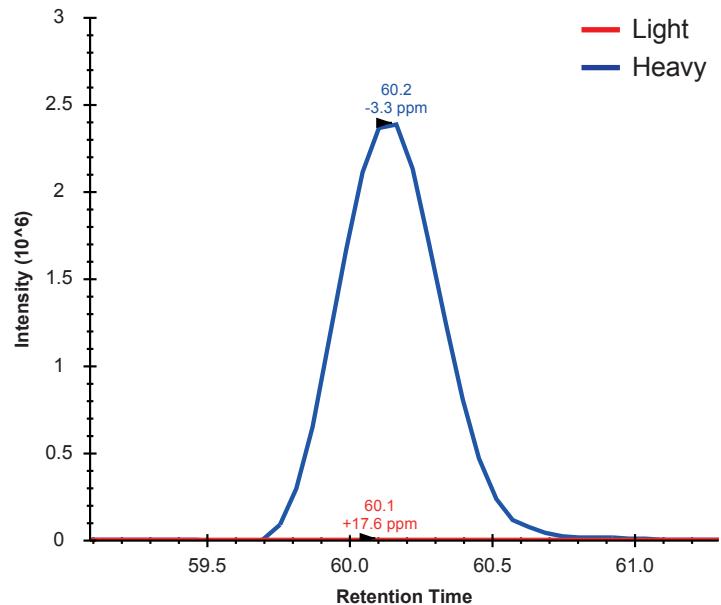
LSYYKLGASQRVAGD - 721.221+A*03:01+M



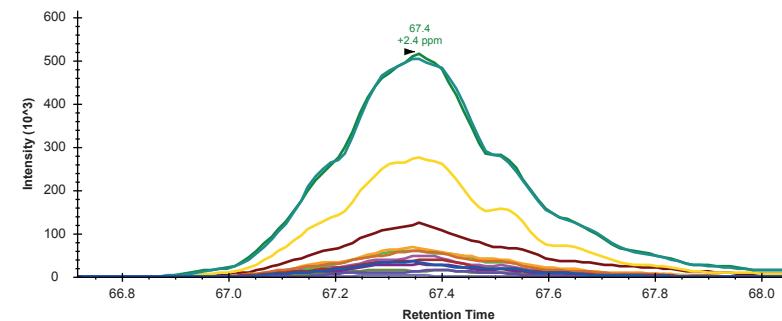
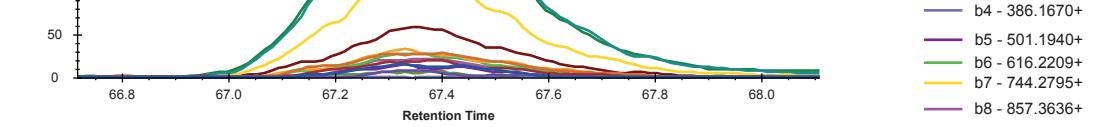
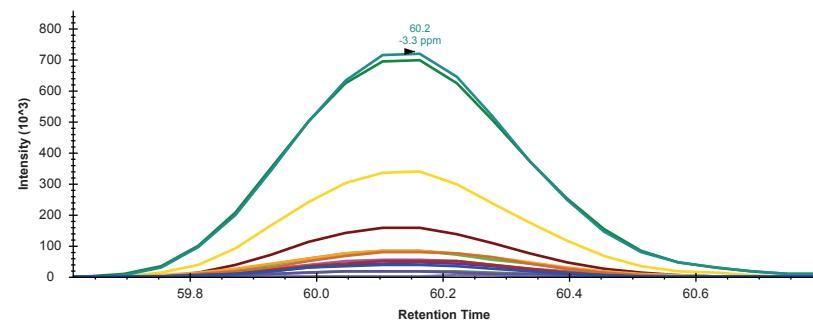
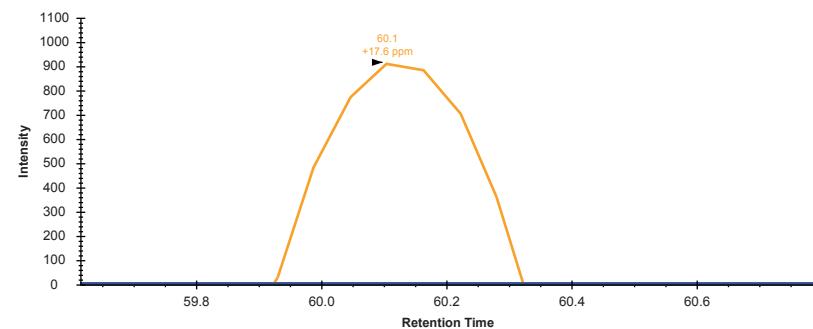
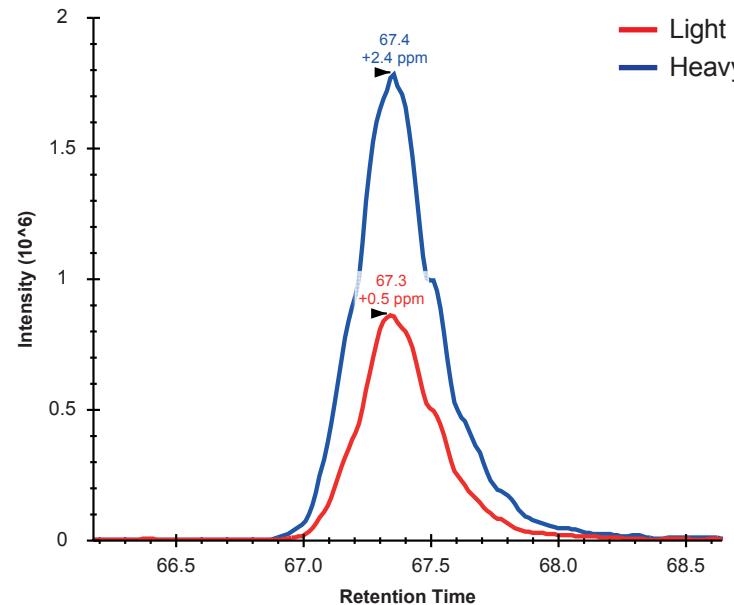
LSYYKLGASQRVAGD - 721.221+A*02:01+M



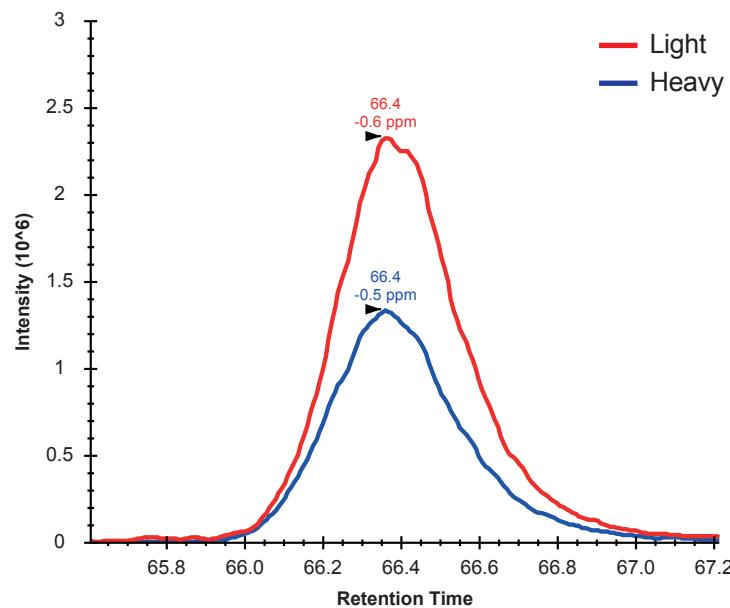
NSSPDDQIGYY - Synthetic peptide



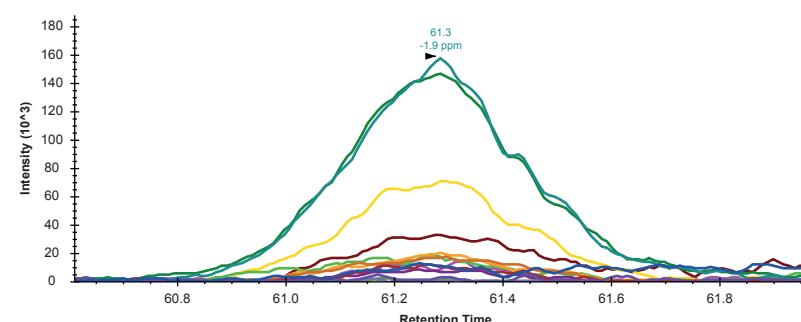
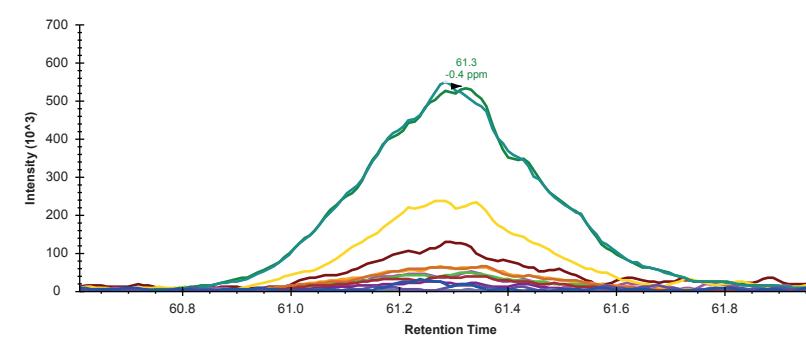
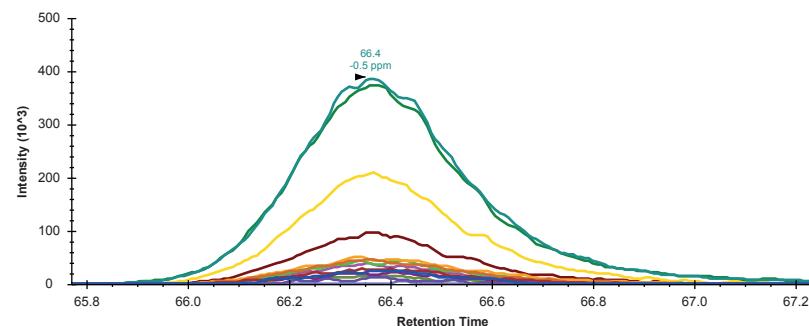
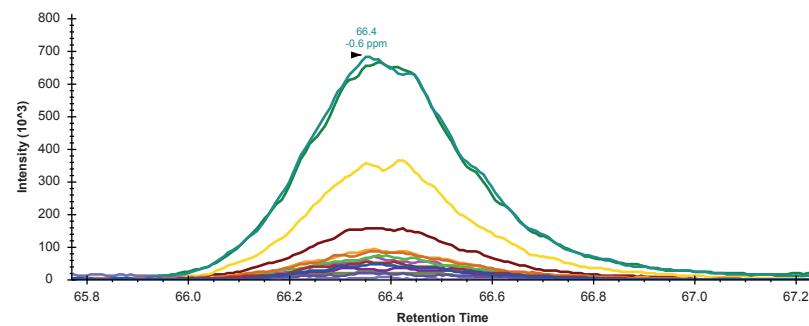
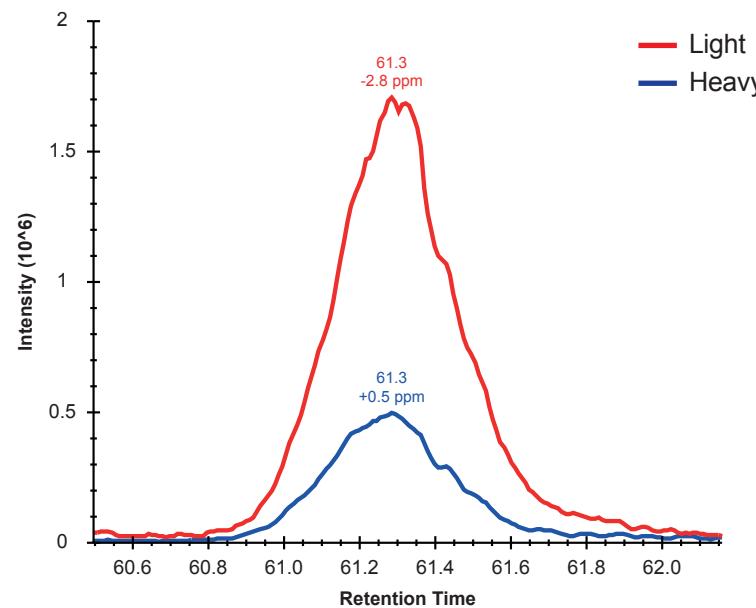
NSSPDDQIGYY - IHW01161+N



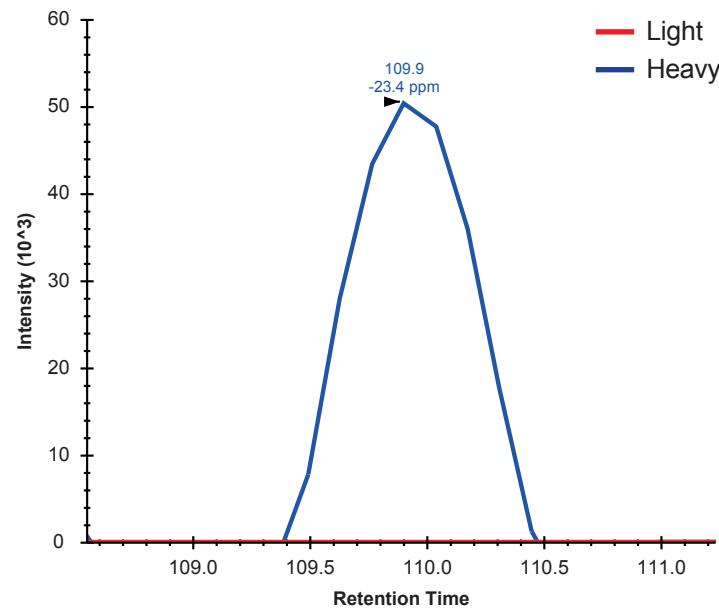
NSSPDDQIGYY - Calu-6+N



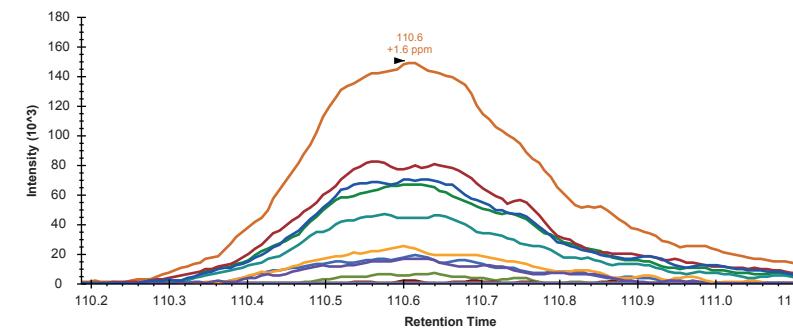
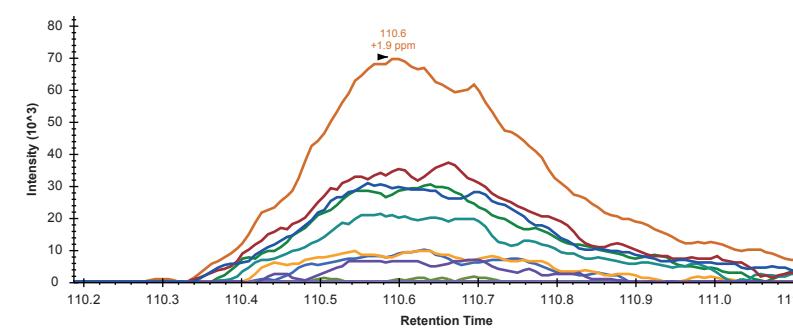
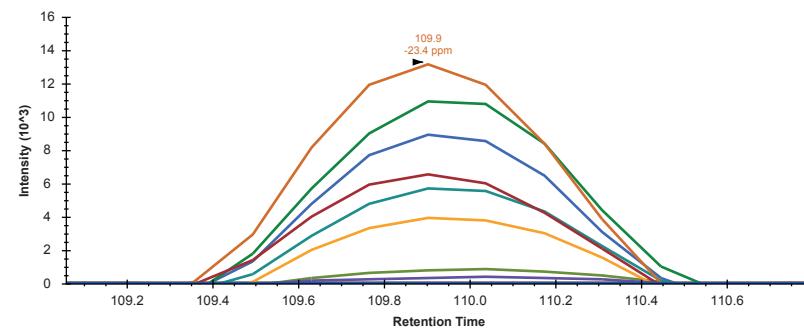
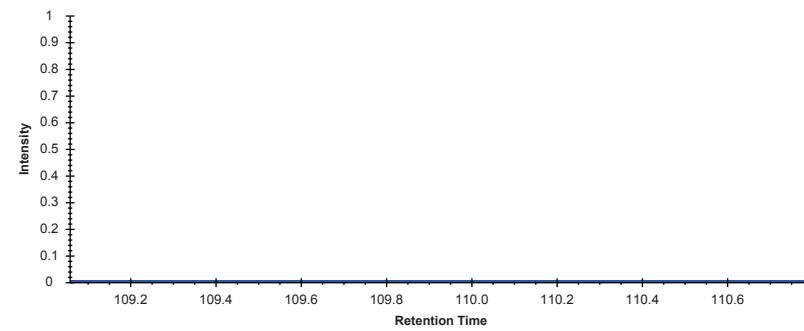
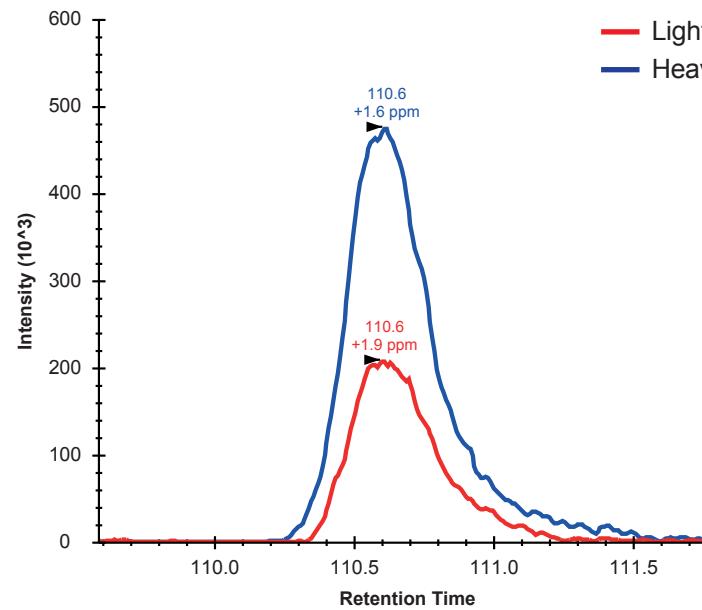
NSSPDDQIGYY - IHW01070+N



YCCNIVNVSL - Synthetic peptide



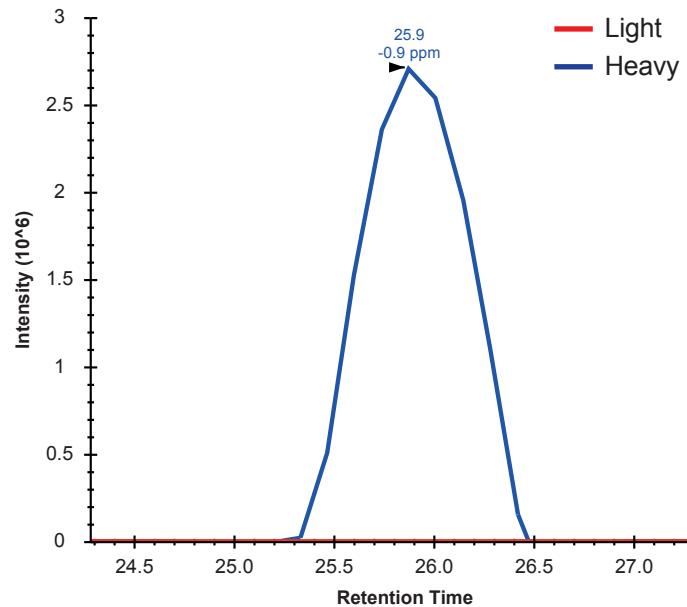
YCCNIVNVSL - IHW01070+E



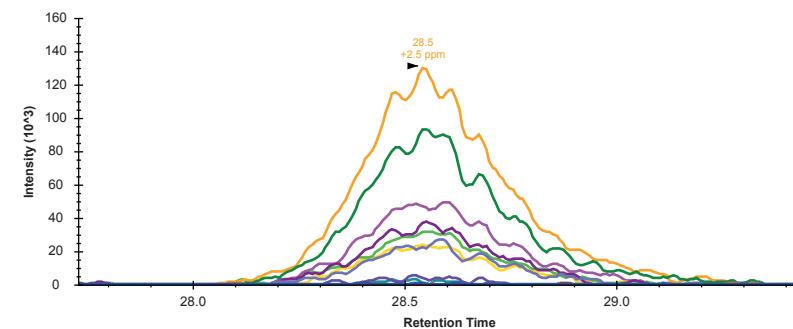
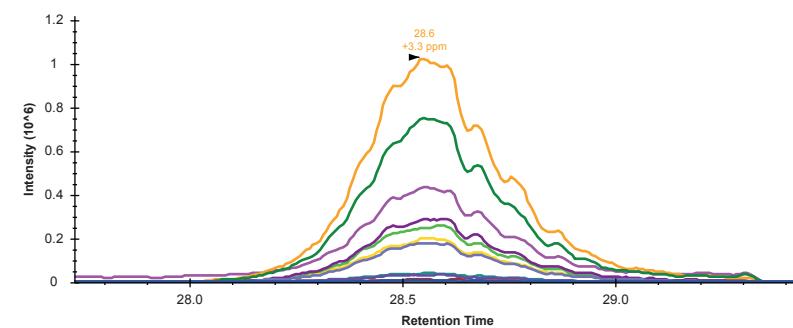
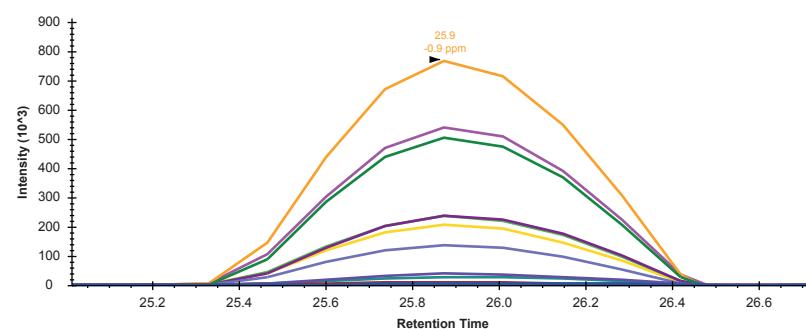
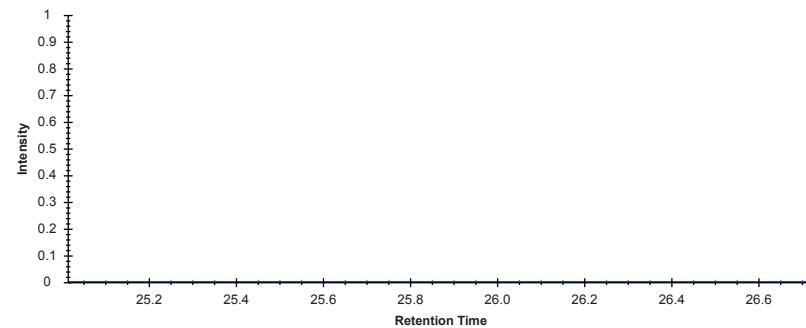
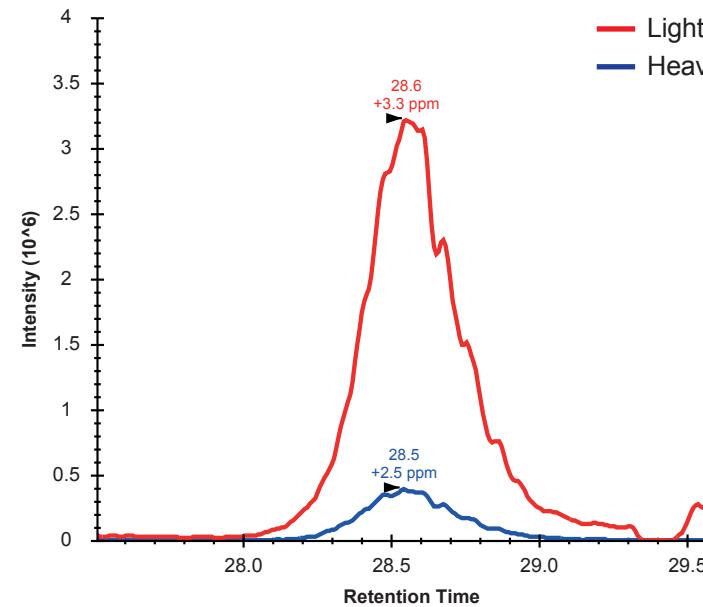
- y9 - 964.4590+
- y8 - 861.4499+
- y7 - 758.4407+
- y6 - 644.3978+
- y5 - 531.3137+
- y4 - 432.2453+
- y3 - 318.2023+

- b2 - 267.0798+
- b3 - 370.0890+
- b4 - 484.1319+
- b5 - 597.2160+
- b6 - 696.2844+
- b7 - 810.3273+
- b8 - 909.3957+
- b9 - 996.4277+

ATEGALNTPK - Synthetic peptide

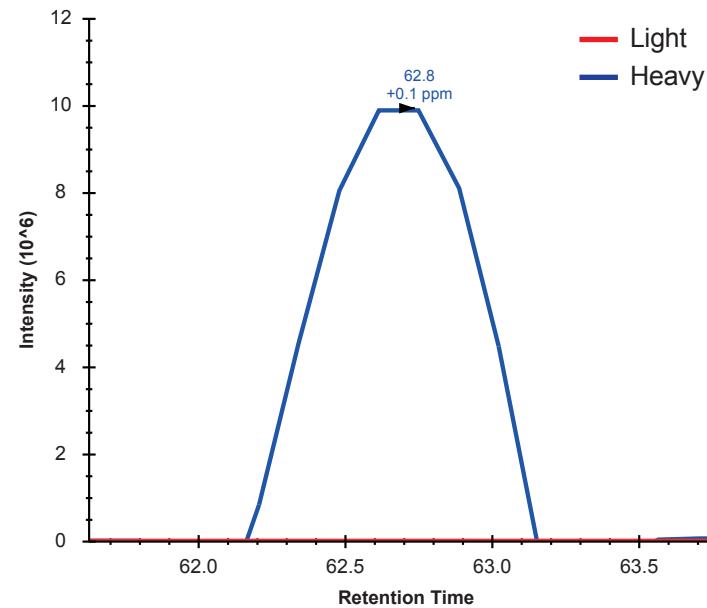


ATEGALNTPK - 721.221+A*11:01+N



y9 - 930.4891+
y8 - 829.4414+
y7 - 700.3988+
y6 - 643.3774+
y5 - 572.3402+
y4 - 459.2562+
y3 - 345.2132+
y2 - 244.1656+
b3 - 302.1347+
b4 - 359.1561+
b5 - 430.1932+
b6 - 543.2773+

GMSRIGMEV - Synthetic peptide



GMSRIGMEV - IHW01161+N

