Analytical and Bioanalytical Chemistry

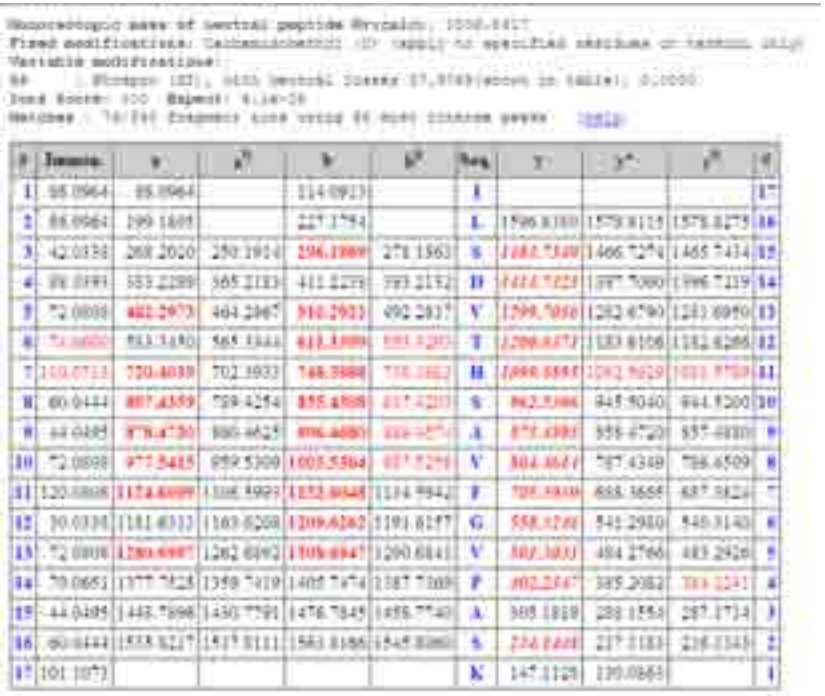
Electronic Supplementary Material

Phosphorylation site localization in peptides by MALDI MS/MS and the Mascot Delta Score

Simone Lemeer, Elena Kunold, Susan Klaeger, Monika Raabe, Mark W. Towers, Emmanuelle Claudes, Tabiwang N. Arrey, Kerstin Strupat, Henning Urlaub & Bernhard Kuster

Fig. S1a:

Fragment ion tables for the ultrafleXtreme TOF/TOF tandem MS spectrum shown in Fig. 1a. Sequence (left) and internal ions (right) are shown. In addition, a mass accuracy plot is provided for the matched fragment ions (bottom).



Seq	y1	y1*	Seq	y2	y2*	Seq	y3	y3*
LS	155.1179	181.1128	LSD	270.1446	296.1397	LSDV	369.2132	395.2082
LSDVT	470.2809	496.2758	LSDVTH	607.3186	633.3148	LSDVTHS	694.3519	720.3468
SD	187.0608	189.0557	SDV	286.1292	288.1241	SDVT	387.1769	389.1718
SDVTH	494.2356	512.2397	SDVTHS	581.2678	599.2617	SDVTHSA	652.3049	670.2990
DV	187.1077	215.1026	DVT	288.1554	316.1503	DVTH	425.2183	453.2082
DVTHS	512.2461	540.2413	DVTHSA	583.2885	611.2784	DVTHSAV	682.3519	710.3468
VT	173.1285	201.1234	VTH	310.1874	338.1823	VTHS	397.2190	425.2141
VTHSA	468.2565	496.2514	VTHSAV	567.3249	595.3198	TH	211.1190	239.1139
THS	298.1510	326.1459	THSA	369.1881	397.1830	THSAV	468.2565	496.2514
THSAVT	619.3249	647.3198	THSAVTG	676.3464	704.3413	HS	187.1033	215.0982
HSA	288.1404	316.1353	HSAV	387.2088	415.2037	HSAVT	488.2772	516.2721
HSAVTG	573.2987	601.2936	HSAVTGV	672.3672	700.3621	SA	131.0815	159.0764
SAV	230.1499	258.1448	SAVT	331.2183	359.2132	SAVTG	388.2398	416.2347
SAVTGV	487.3082	515.3031	SAVTGVP	584.3610	612.3559	AV	144.1179	172.1128
AVT	245.1607	273.1552	AVTG	302.2078	330.2027	AVTGV	401.2762	429.2711
AVTGVP	498.3446	526.3395	AVTGVPA	569.3810	597.3759	VT	173.1285	201.1234
VTG	230.1707	258.1656	VTGV	329.2342	357.2291	VTGVP	428.2918	456.2867
VTGVPA	499.3289	527.3239	VTGVPAS	586.3610	614.3559	TG	117.0922	145.0871
TGV	216.1707	244.1656	TGVP	315.2234	343.2183	TGVPA	444.2809	472.2758
TGVPAS	531.2920	559.2873	GV	128.1022	157.0972	GVP	226.1550	254.1499
GVPA	297.1921	325.1870	GVPAS	384.2241	412.2191	VP	169.1335	197.1285
VPA	240.1707	268.1656	VPAS	327.2027	355.1976	PA	141.1022	169.0972
PAS	228.1343	256.1292	AS	131.0815	159.0764			

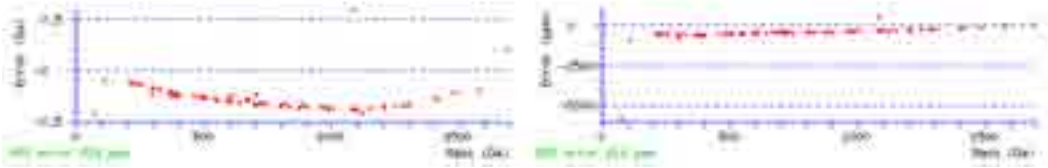
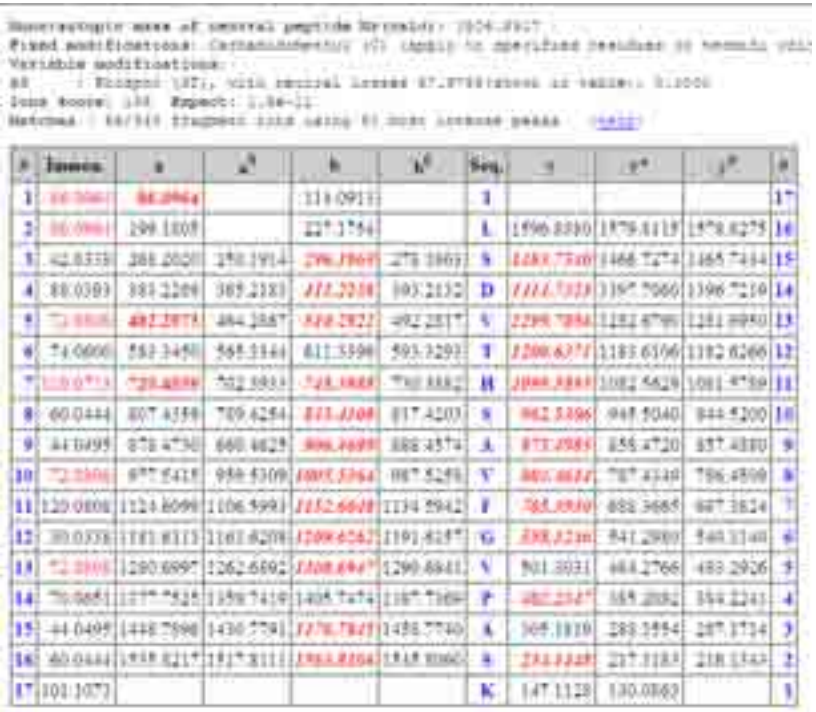


Fig. S1b:

Fragment ion table for the 4800 TOF/TOF tandem MS spectrum shown in Fig. 1b. Sequence (left) and internal ions (right) are shown. In addition, a mass accuracy plot is provided for the matched fragment ions (bottom).



Seq	yn	yk	Seq	yn	yk	Seq	yn	yk
LS	155.1179	183.1128	LSD	270.1448	298.1397	LSDV	369.2132	397.2081
LSDVT	470.2609	498.2558	LSDVTH	607.3190	635.3140	LSDVTHS	694.3510	722.3460
SD	157.0668	185.0557	SDV	256.1292	284.1241	SDVT	357.1769	385.1718
SDVTH	494.2556	522.2507	SDVTHS	581.2878	609.2827	SDVTHSA	652.3049	680.2998
DV	197.1077	215.1026	DVT	298.1554	316.1503	DVTH	425.2241	453.2092
DVTHS	512.2463	540.2413	DVTHSA	583.2834	611.2784	DVTHSAV	682.3519	710.3468
VT	173.1285	201.1234	VTH	310.1874	338.1823	VTHS	397.2294	425.2143
VTHSA	468.2566	496.2515	VTHSAV	567.3249	595.3198	TH	211.1190	239.1139
THS	288.1510	316.1459	THSA	359.1881	387.1830	THSAV	458.2565	486.2514
THSAVT	615.3249	643.3198	THSAVTG	672.3464	700.3413	HS	197.1031	225.0982
HSA	268.1494	296.1443	HSAV	367.2068	395.2017	HSAVT	516.2771	544.2722
HSAVTG	573.2987	599.2936	HSAVTGV	670.3671	698.3620	SA	131.0815	159.0764
SAV	230.1499	258.1448	SAVT	377.2083	405.2132	SAVTG	434.2599	462.2547
SAVTGV	533.3082	561.3031	SAVTGVP	630.3610	658.3559	AV	141.1179	171.1128
AVT	299.1865	318.1814	AVTG	347.2078	375.2027	AVTGV	448.2762	476.2711
AVTGVP	541.3269	571.3219	AVTGVPA	614.3661	642.3610	VT	219.1492	247.1441
VTG	276.1707	304.1656	VTGV	375.2391	403.2340	VTGVP	472.2918	500.2867
VTGVPA	543.3288	571.3238	VTGVPAS	630.3610	658.3559	TG	177.1022	205.0972
TGV	276.1707	304.1656	TGVP	373.2234	401.2183	TGVPA	444.2805	472.2554
TGVPAS	531.2926	559.2875	GV	129.1022	157.0972	GVP	226.1550	254.1499
GVPA	297.1921	325.1870	GVPAS	384.2241	412.2191	VP	169.1335	197.1285
VPA	240.1707	268.1656	VPAS	327.2027	355.1976	PA	141.1022	169.0972
PAS	228.1343	256.1292	AS	131.0815	159.0764			

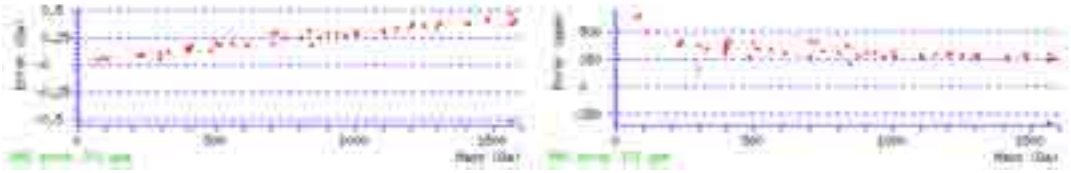
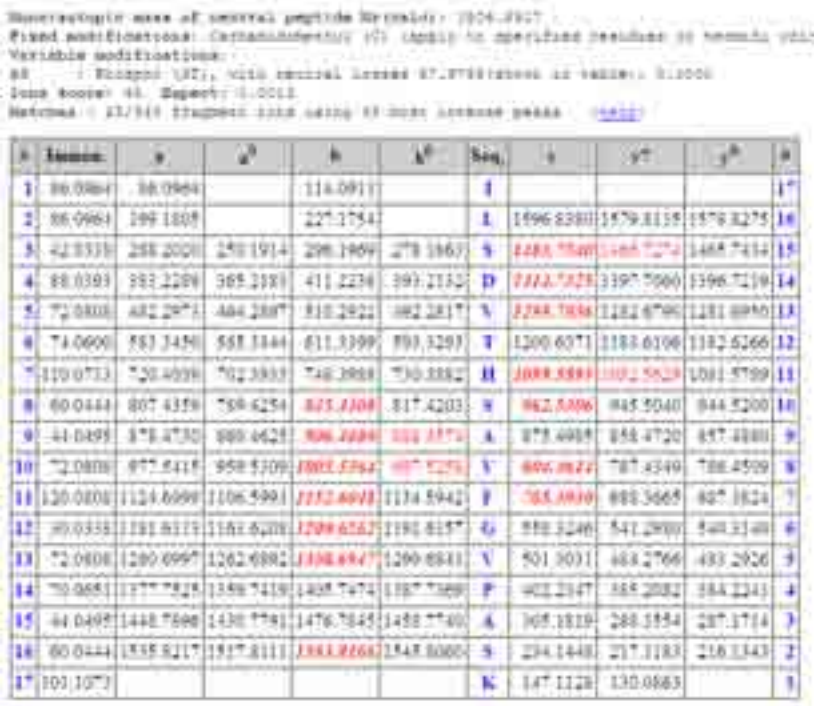


Fig. S1c:

Fragment ion table for the LTQ-Orbitrap tandem MS spectrum shown in Fig. 1c. Sequence (left) and internal ions (right) are shown. In addition, a mass accuracy plot is provided for the matched fragment ions (bottom).



#	Seq	a	a*	b	b*	Seq	y	y*	y°	#
1	S	88.0964		116.0911		T				17
2	S	88.0964	199.1805		227.1754	L	1696.8380	1579.8115	1579.8275	16
3	S	42.0339	268.2020	250.1914	298.1969	S	1468.7500	1468.7274	1468.7434	15
4	S	88.0393	383.2289	365.2183	411.2238	D	1311.7325	1397.7060	1396.7219	14
5	S	72.0808	482.2973	464.2867	510.2922	V	1240.7936	1282.6796	1281.6955	13
6	S	74.0600	583.3456	565.3344	611.3399	T	1200.6071	1183.6106	1182.6266	12
7	S	110.0713	720.4039	702.3933	748.3988	H	1089.5884	1082.5823	1081.5709	11
8	S	60.0444	807.4359	789.4254	835.4309	T	962.5306	945.5040	944.5200	10
9	S	44.0495	878.4730	860.4625	906.4680	A	875.4985	858.4720	857.4880	9
10	S	72.0808	977.5415	959.5309	1005.5364	V	804.4622	787.4349	786.4509	8
11	S	120.0808	1124.6099	1106.5993	1152.6048	F	705.3930	688.3665	687.3824	7
12	S	60.0338	1181.6313	1163.6208	1209.6263	G	558.3246	541.2980	540.3140	6
13	S	72.0808	1280.6997	1262.6892	1308.6947	V	501.3031	484.2766	483.2926	5
14	S	70.0651	1377.7525	1359.7419	1405.7474	P	402.2347	385.2082	384.2241	4
15	S	44.0495	1448.7896	1430.7791	1476.7845	A	305.1819	288.1554	287.1714	3
16	S	60.0444	1535.8217	1517.8111	1563.8166	S	234.1448	217.1183	216.1343	2
17	S	101.1073				K	147.1128	130.0863		1

Seq	yA	yB	Seq	yA	yB	Seq	yA	yB
LS	155.1179	183.1128	LSD	270.1448	298.1397	LSDV	369.2132	397.2082
LSDVT	470.2600	498.2551	LSDVTH	607.3185	635.3148	LSDVTHS	694.3519	722.3468
SD	187.0606	188.0657	SDV	286.1292	284.1241	SDVT	357.1769	385.1718
SDVTH	494.2355	522.2307	SDVTHS	581.2678	609.2627	SDVTHSA	652.3049	680.2999
DV	187.1077	215.1026	DVT	288.1554	316.1503	DVTH	425.2140	453.2092
DVTHS	512.2463	540.2411	DVTHSA	583.2835	611.2784	DVTHSAV	682.3519	710.3468
VT	173.1285	201.1234	VTH	310.1874	338.1823	VTHS	397.2194	425.2143
VTHSA	468.2665	496.2614	VTHSAV	567.3249	595.3198	TH	211.1130	239.1135
THS	288.1510	326.1459	THSA	389.1932	387.1830	THSAV	468.2565	496.2514
THSAVT	615.3249	643.3198	THSAVTG	672.3464	700.3413	HS	197.1031	225.0982
HSA	288.1404	298.1351	HSAV	387.2008	385.2017	HSAVT	516.2772	543.2722
HSAVTG	571.2987	599.2936	HSAVTGT	670.3671	698.3620	SA	131.0815	159.0764
SAV	230.1499	258.1448	SAVT	377.2183	405.2132	SAVTG	434.2596	462.2547
SAVTGV	533.3082	561.3031	SAVTGVP	630.3610	658.3559	AV	143.1179	171.1128
AVT	290.1863	318.1812	AVTG	347.2078	375.2027	AVTGV	446.2762	474.2711
AVTGVP	543.3289	571.3238	AVTGVPA	614.3661	642.3610	VT	219.1492	247.1441
VTG	276.1707	304.1656	VTGV	375.2291	403.2240	VTGVP	472.2918	500.2867
VTGVPA	543.3289	571.3238	VTGVPAS	630.3610	658.3559	TG	177.1022	205.0972
TGV	276.1707	304.1656	TGVP	373.2234	401.2183	TGVPA	444.2809	472.2758
TGVPAS	531.3028	559.2977	GV	129.1022	157.0972	GVP	228.1550	254.1499
GVPA	287.1921	328.1870	GVPAS	384.2241	412.2191	VP	169.1335	197.1285
VPA	240.1707	268.1656	VPAS	327.2027	355.1976	PA	141.1022	169.0972
PAS	228.1343	256.1292	AS	131.0815	159.0764			

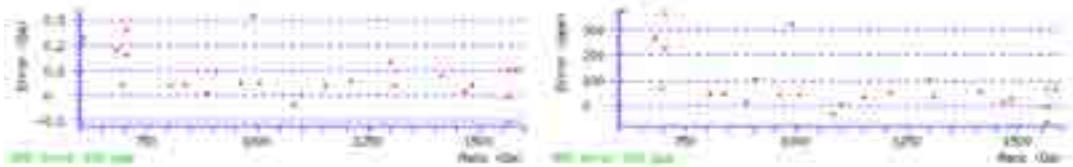


Fig. S1d:

Fragment ion table for the Synapt G2 QTOF tandem MS spectrum shown in Fig. 1d. Sequence (left) and internal ions (right) are shown. In addition, a mass accuracy plot is provided for the matched fragment ions (bottom).

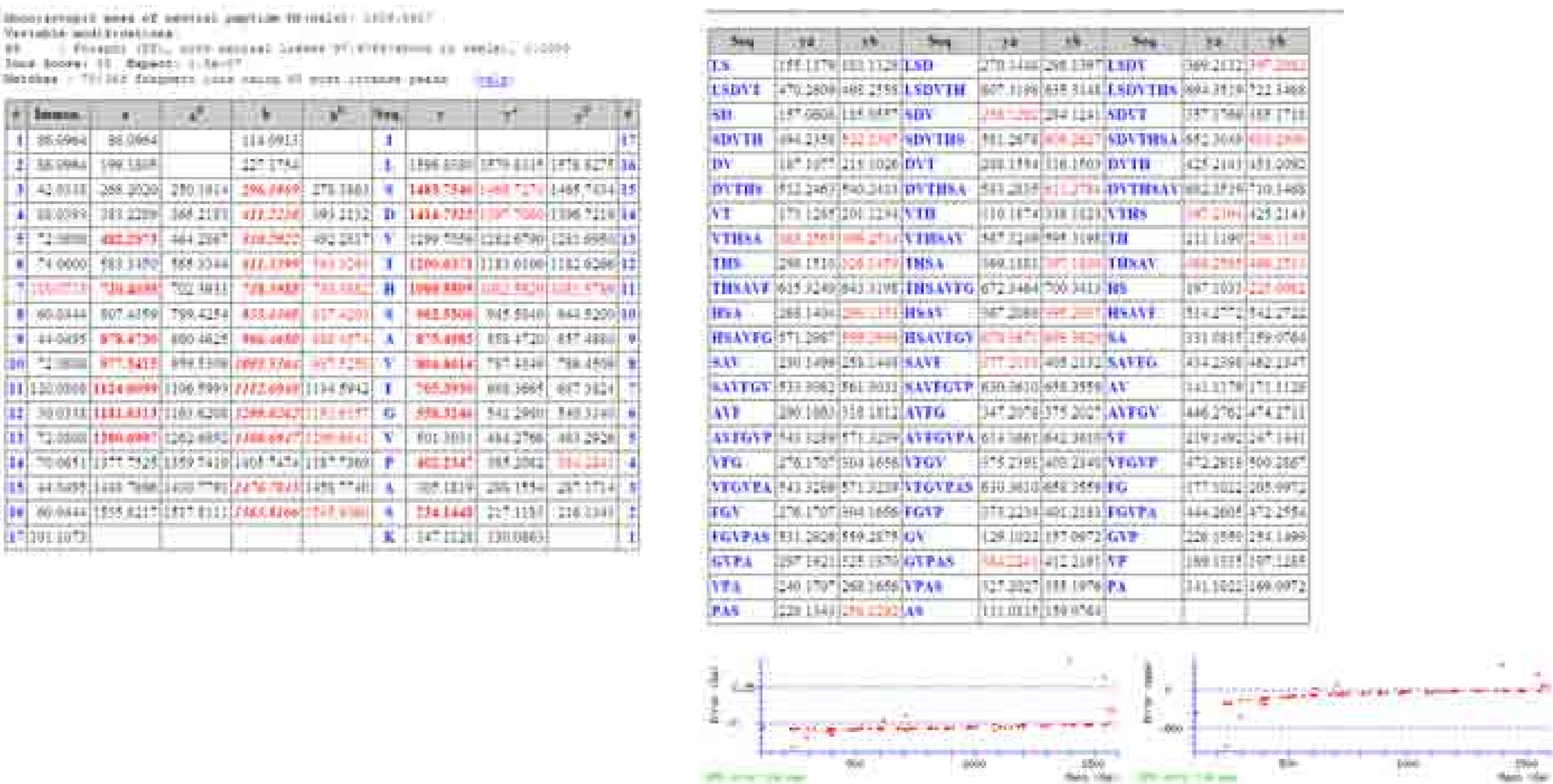
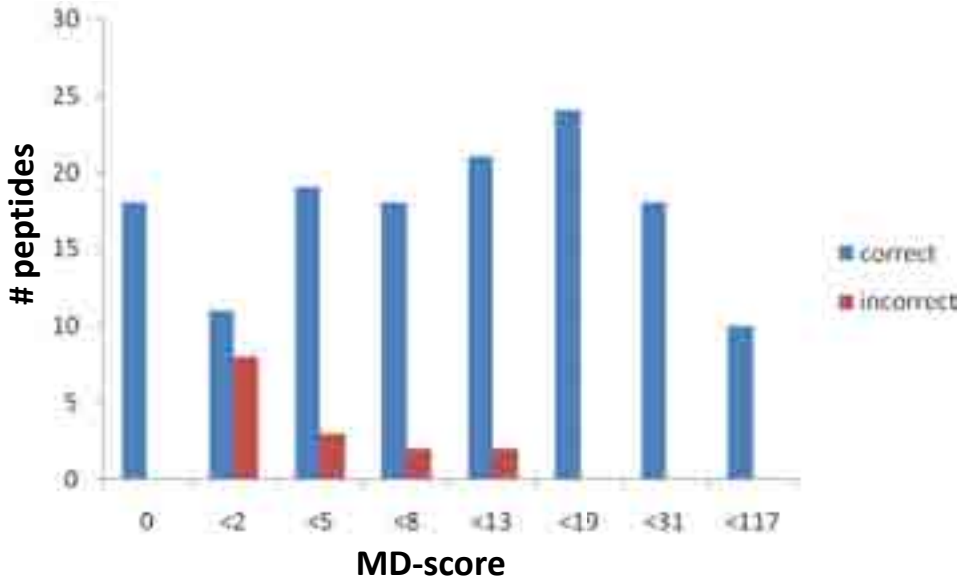
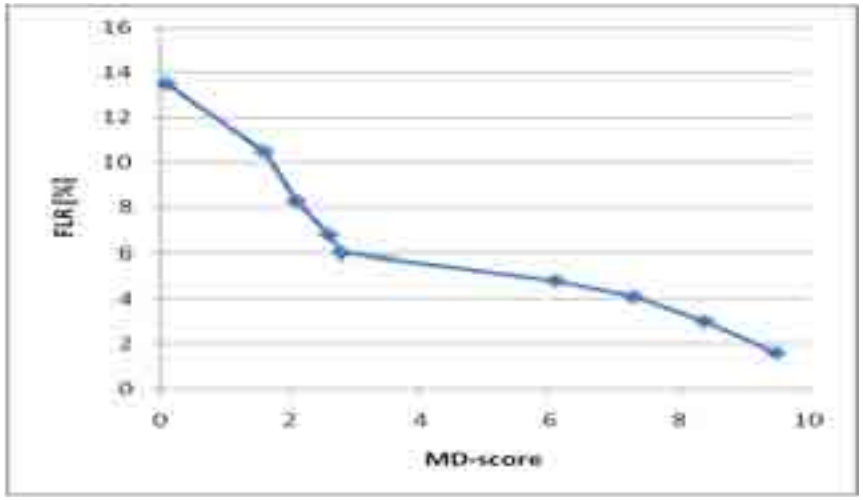


Fig. S2a: Score distributions (ultrafleXtreme TOF/TOF)

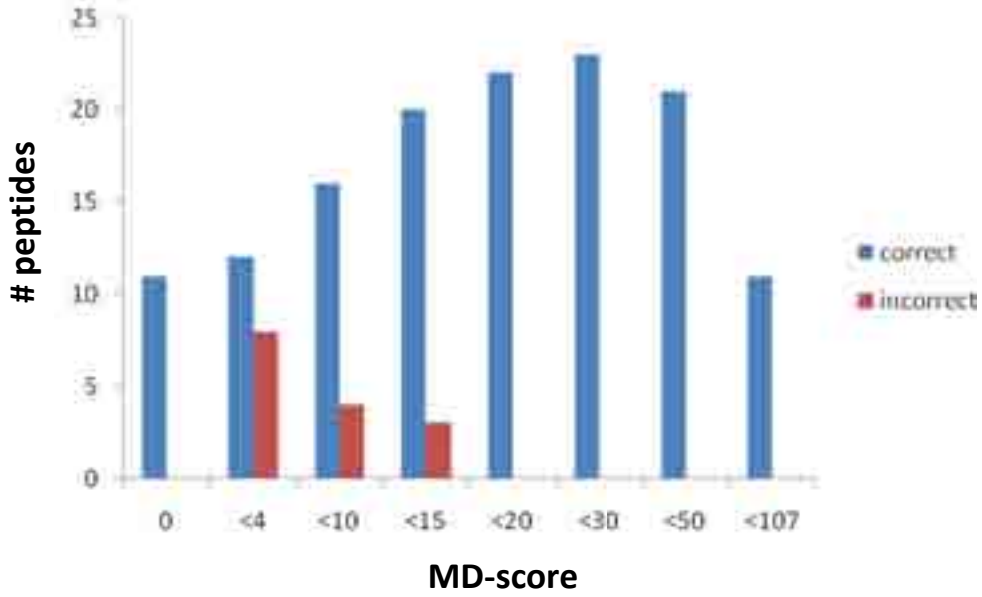


MD Score	correct	incorrect	FLR in bin	Cumulative FLR
0	n.a.	n.a.	n.a	n.a.
<2	11	8	42%	11%
<5	19	3	14%	6%
<8	18	2	10%	4%
<13	21	2	9%	3%
>13	52	0	0%	0%

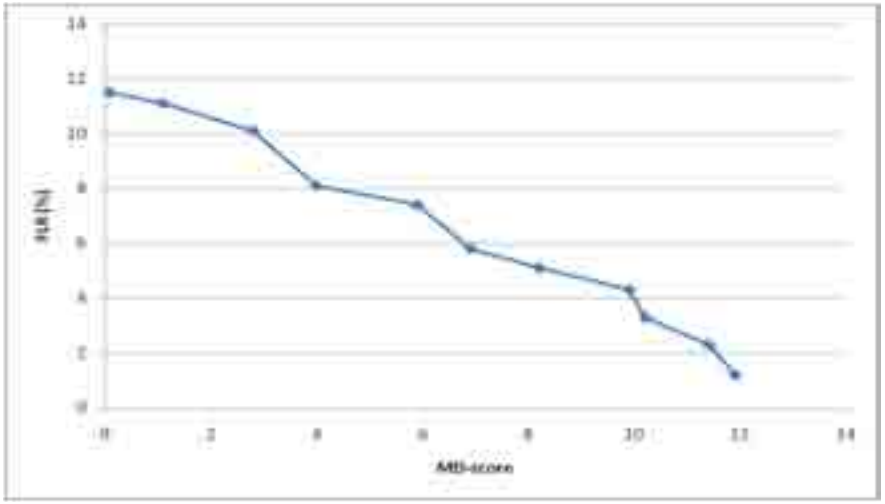


Left panel: MD-score distribution of identified peptides.
Right panel: Numerical breakdown of the data shown on the left.
Bottom panel: FLR distribution as a function of MD-score.

Fig. S2b: Score distributions (4800 TOF/TOF)

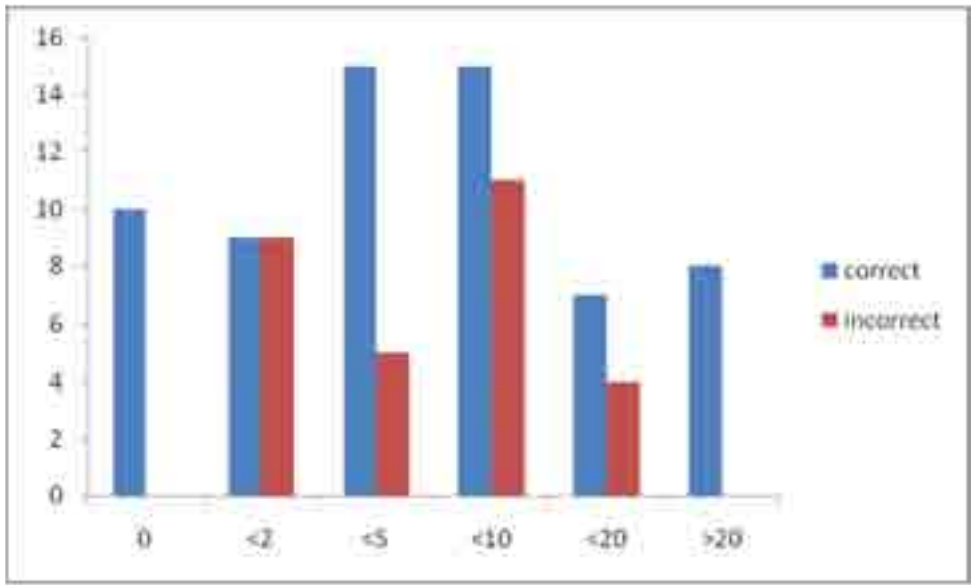


MD Score	correct	incorrect	FLR in bin	Cumulative FLR
0	n.a.	n.a.	n.a.	n.a.
<4	12	8	40%	12.%
<10	16	4	20%	6%
<15	20	3	13%	3%
>15	77	0	0%	0%

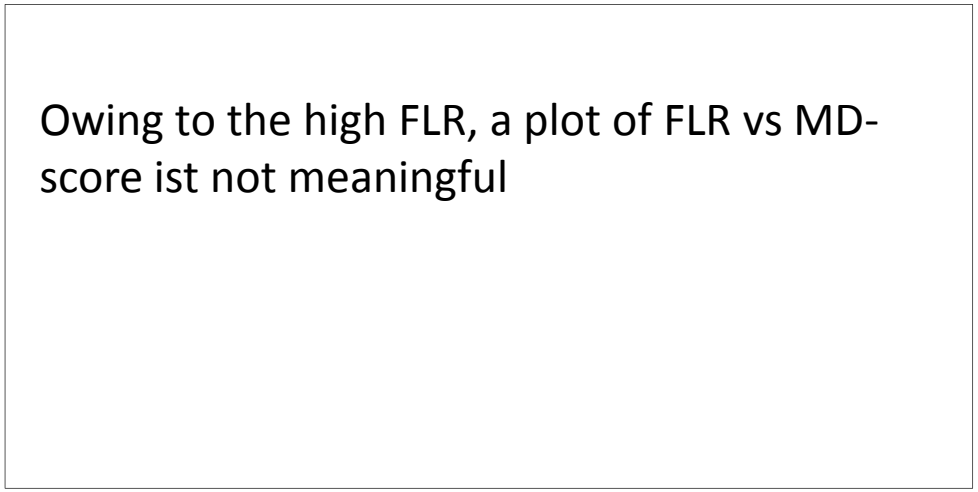


Left panel: MD-score distribution of identified peptides.
Right panel: Numerical breakdown of the data shown on the left.
Bottom panel: FLR distribution as a function of MD-score.

Fig. S2c: Score distributions (LTQ-Orbitrap)

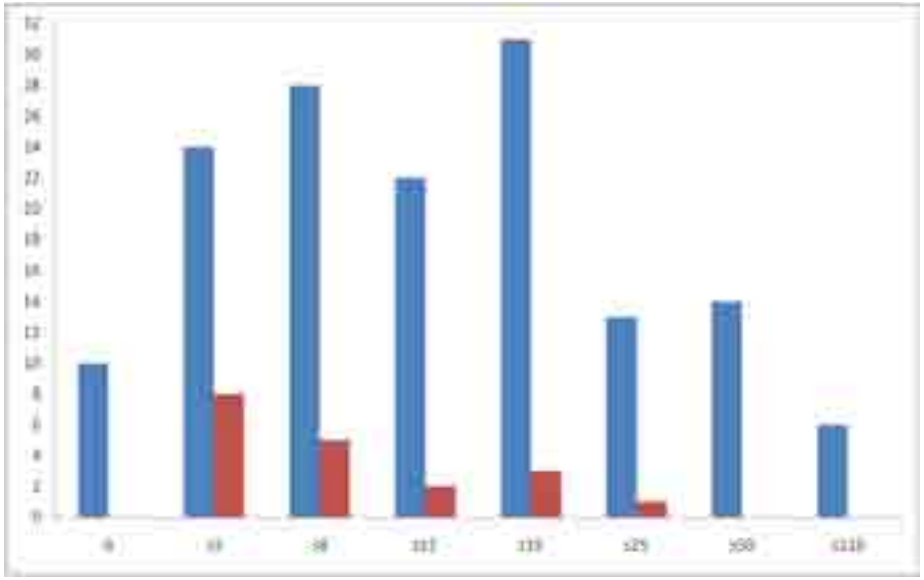


MD Score	correct	incorrect	FLR in bin	Cumulative FLR
0	n.a.	n.a.	n.a.	n.a.
<2	9	9	50%	35%
<5	15	5	25%	31%
<10	15	11	42%	33%
<20	7	4	36%	21%
>20	8	0	0%	0%

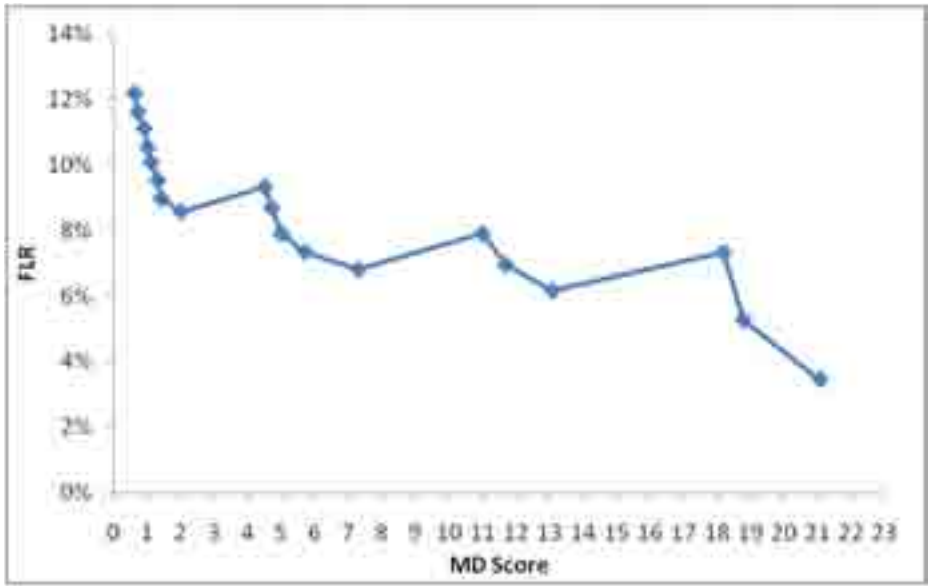


Left panel: MD-score distribution of identified peptides.
Right panel: Numerical breakdown of the data shown on the left.
Bottom panel: FLR distribution as a function of MD-score.

Fig. S2d: Score distributions (Synapt G2 QTOF)



MD-score	correct	incorrect	FLR in bin	Cumulative FLR
0	n.a.	n.a.	n.a.	n.a.
≤3	24	8	25%	11%
≤8	28	5	15%	4%
≤12	22	2	8%	2%
≤19	31	3	9%	4%
≤25	13	1	8%	3%
≤50	14	0	0%	0%
≤110	6	0	0%	0%

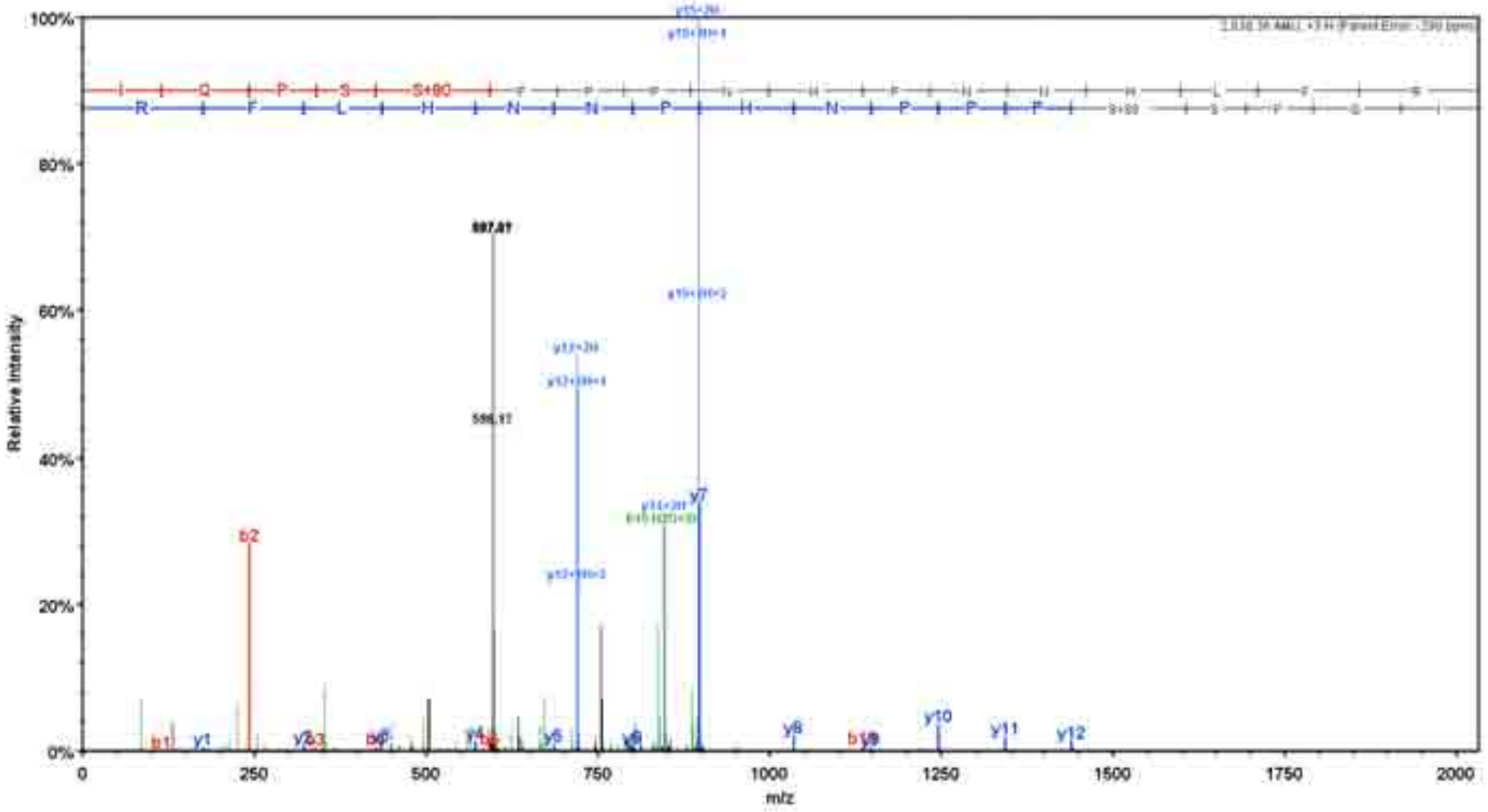


Left panel: MD-score distribution of identified peptides.
Right panel: Numerical breakdown of the data shown on the left.
Bottom panel: FLR distribution as a function of MD-score.

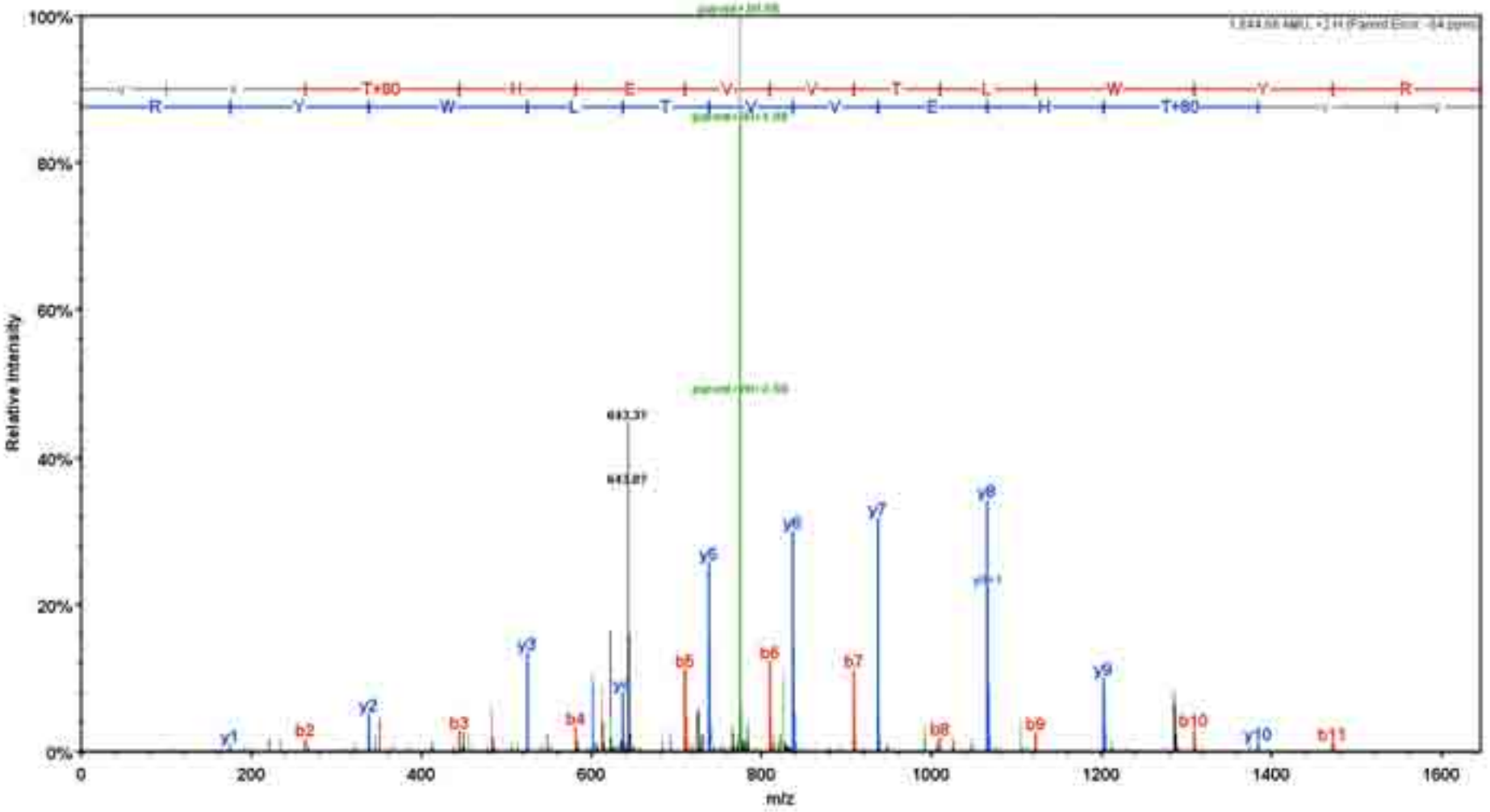
Figure S3

- Annotated ESI-CID MS/MS spectra (QTOF) of the 180 synthetic phosphopeptides used in this study

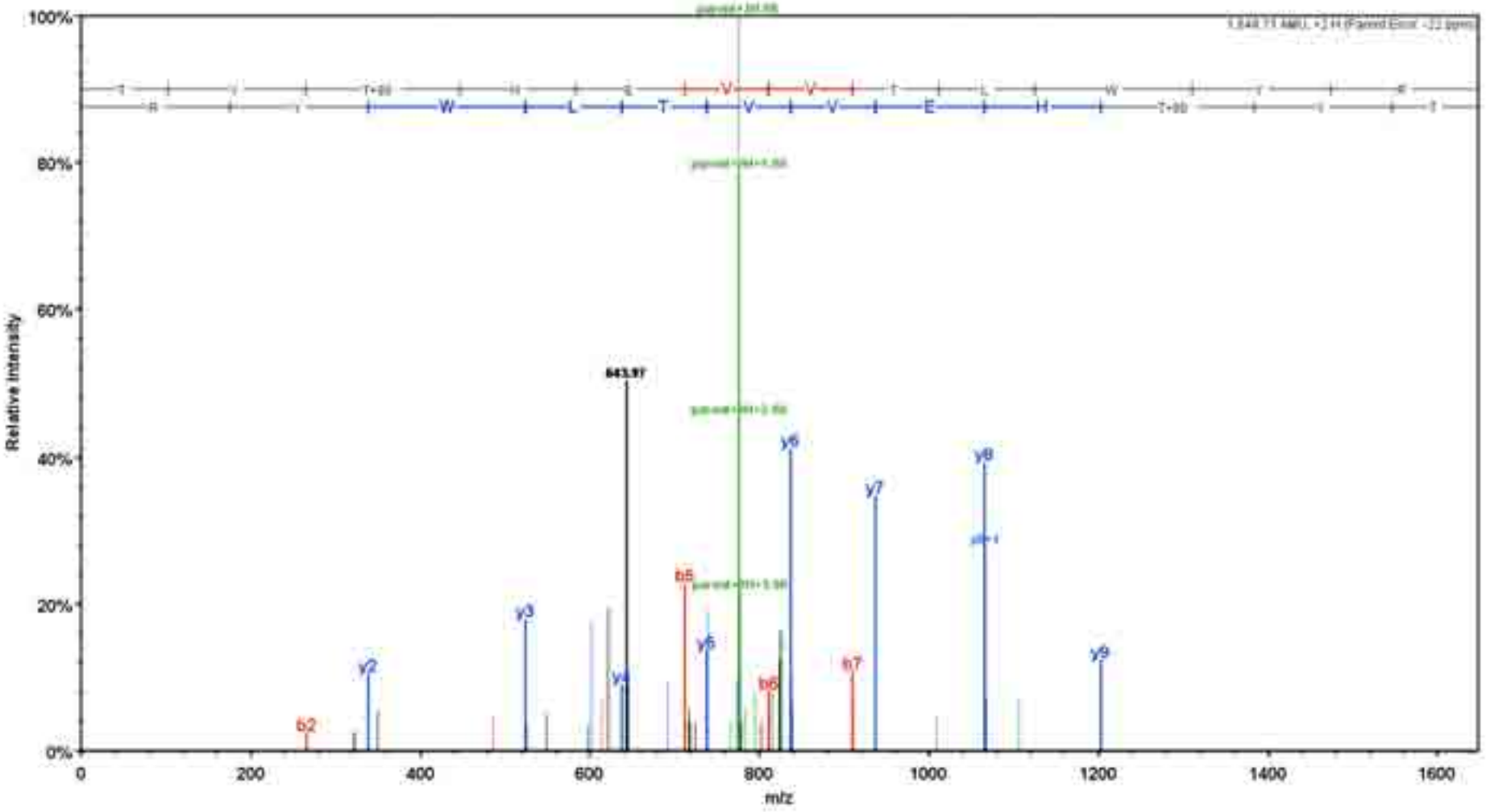
IQPSpSPPPNHPNNHLFR



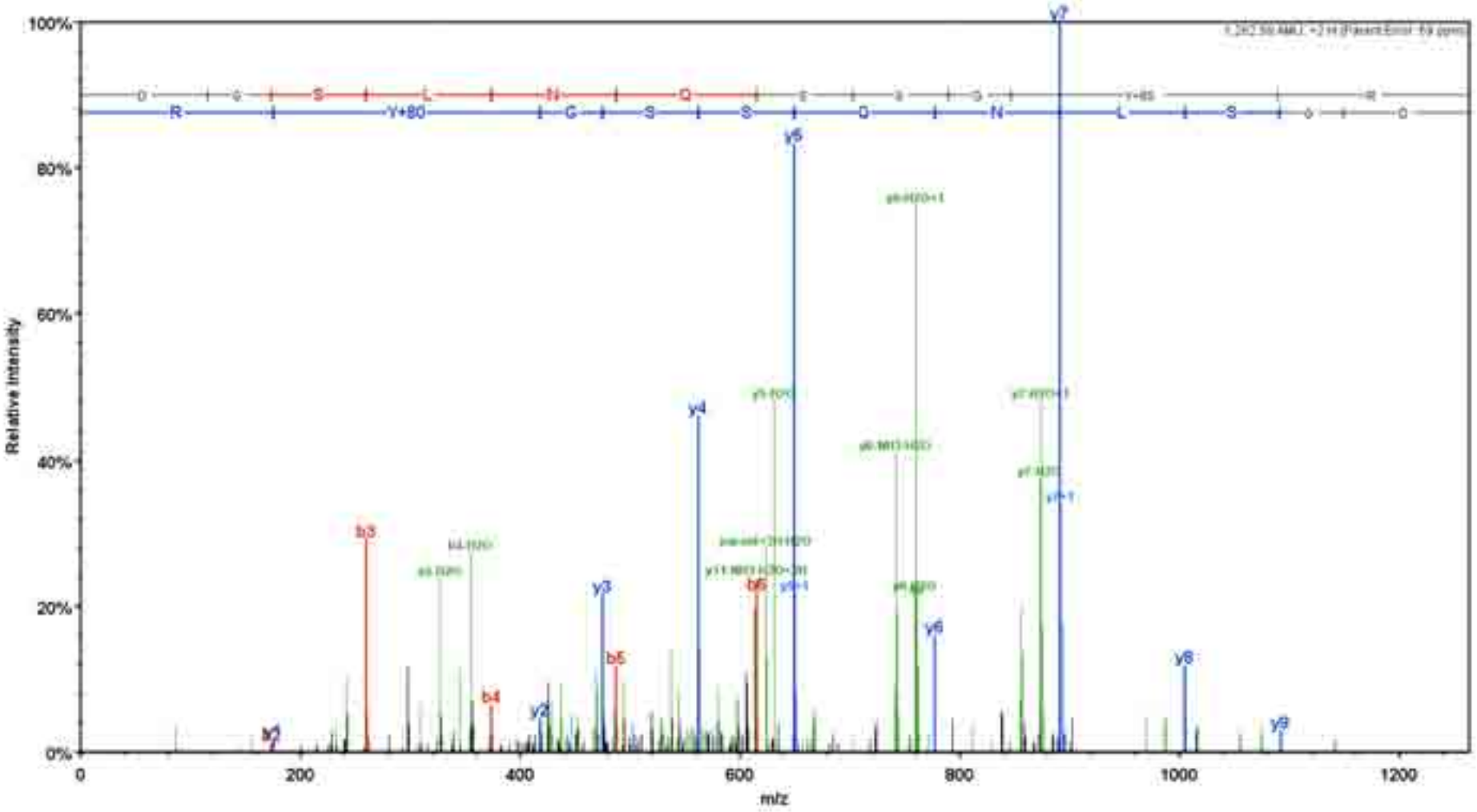
VYpTHEVVTLWYR



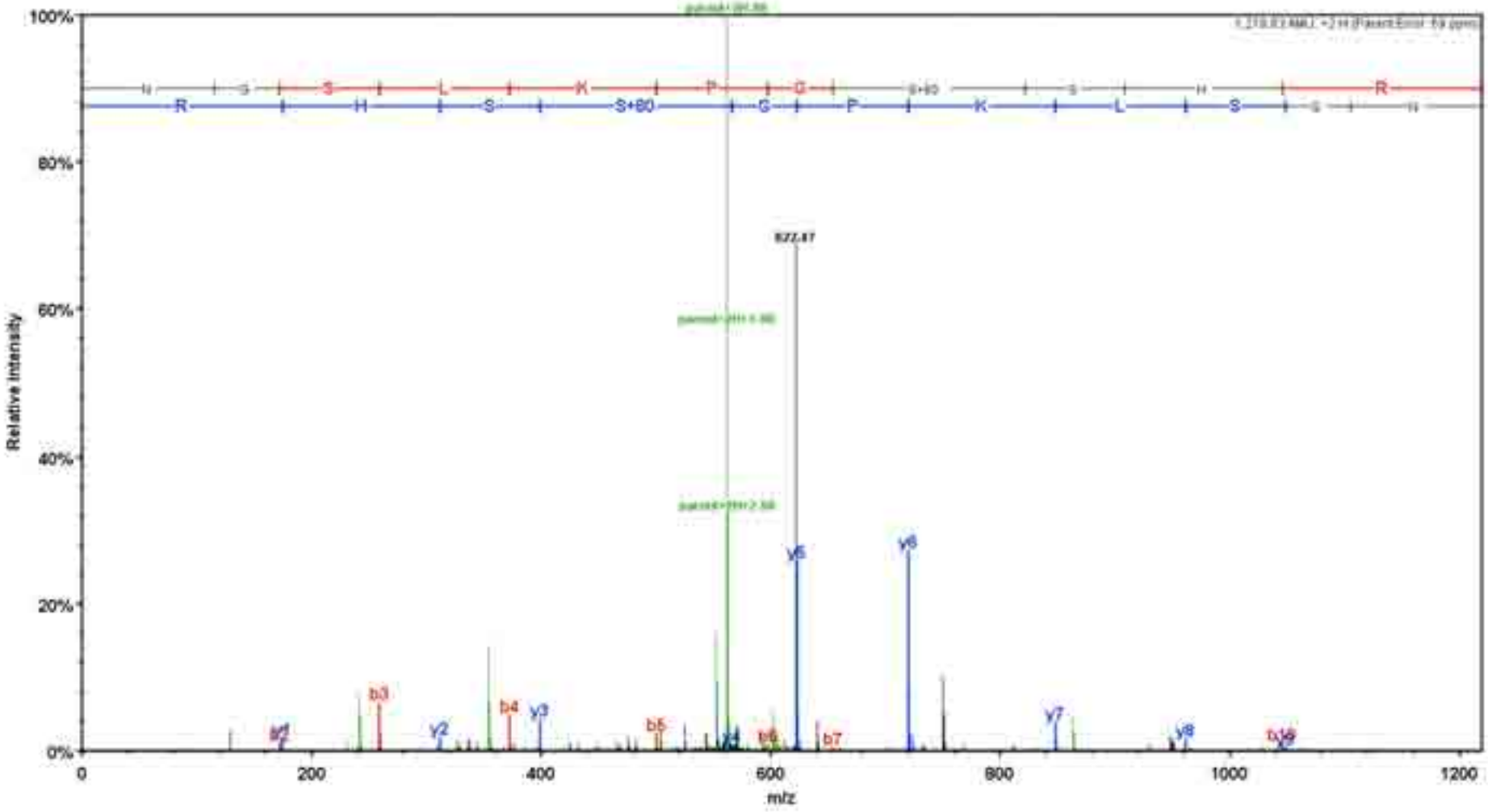
TYpTHEVVTLWYR



DGSLNQSSGpYR



NGSLKPGpSSHR



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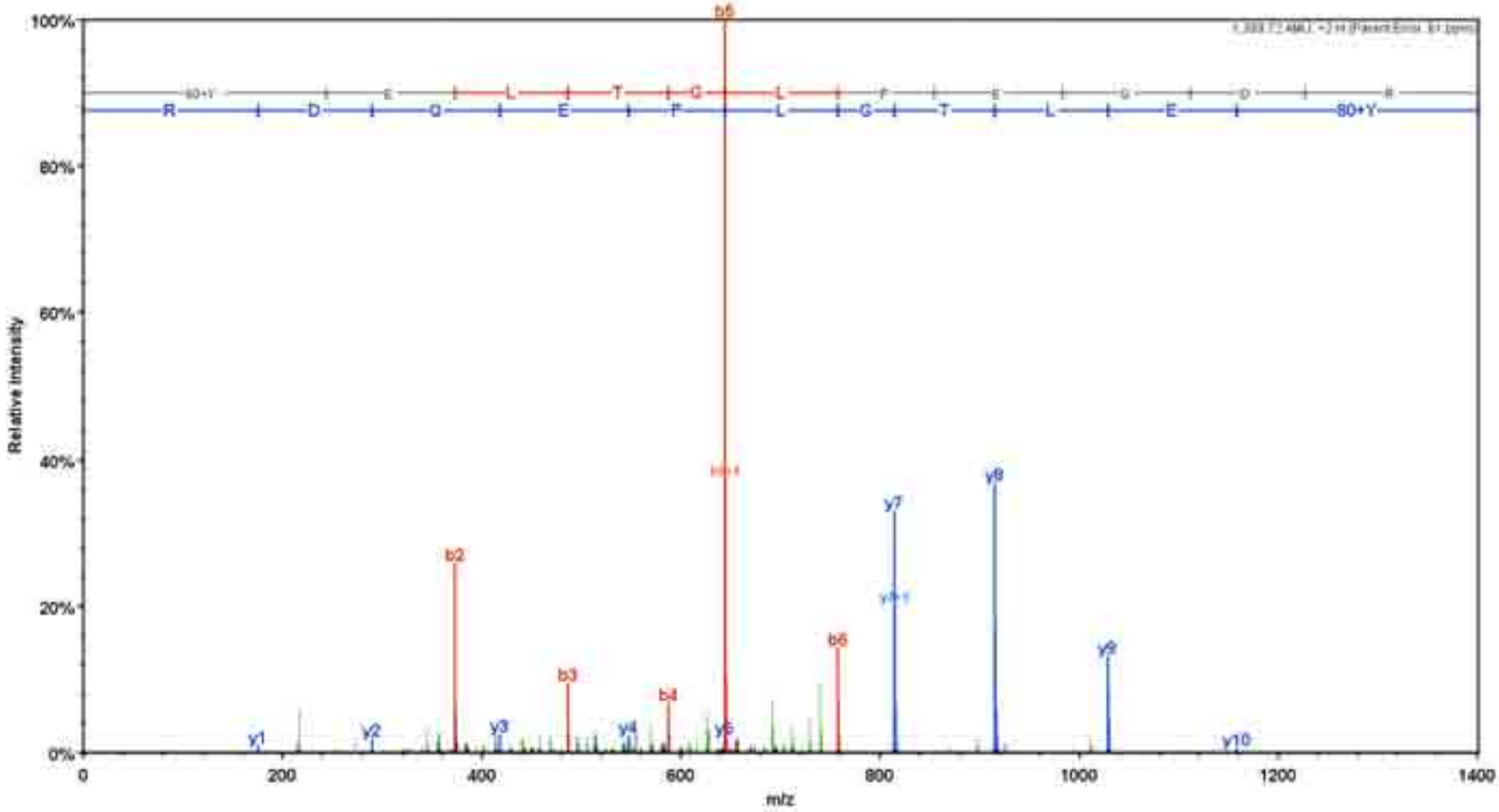
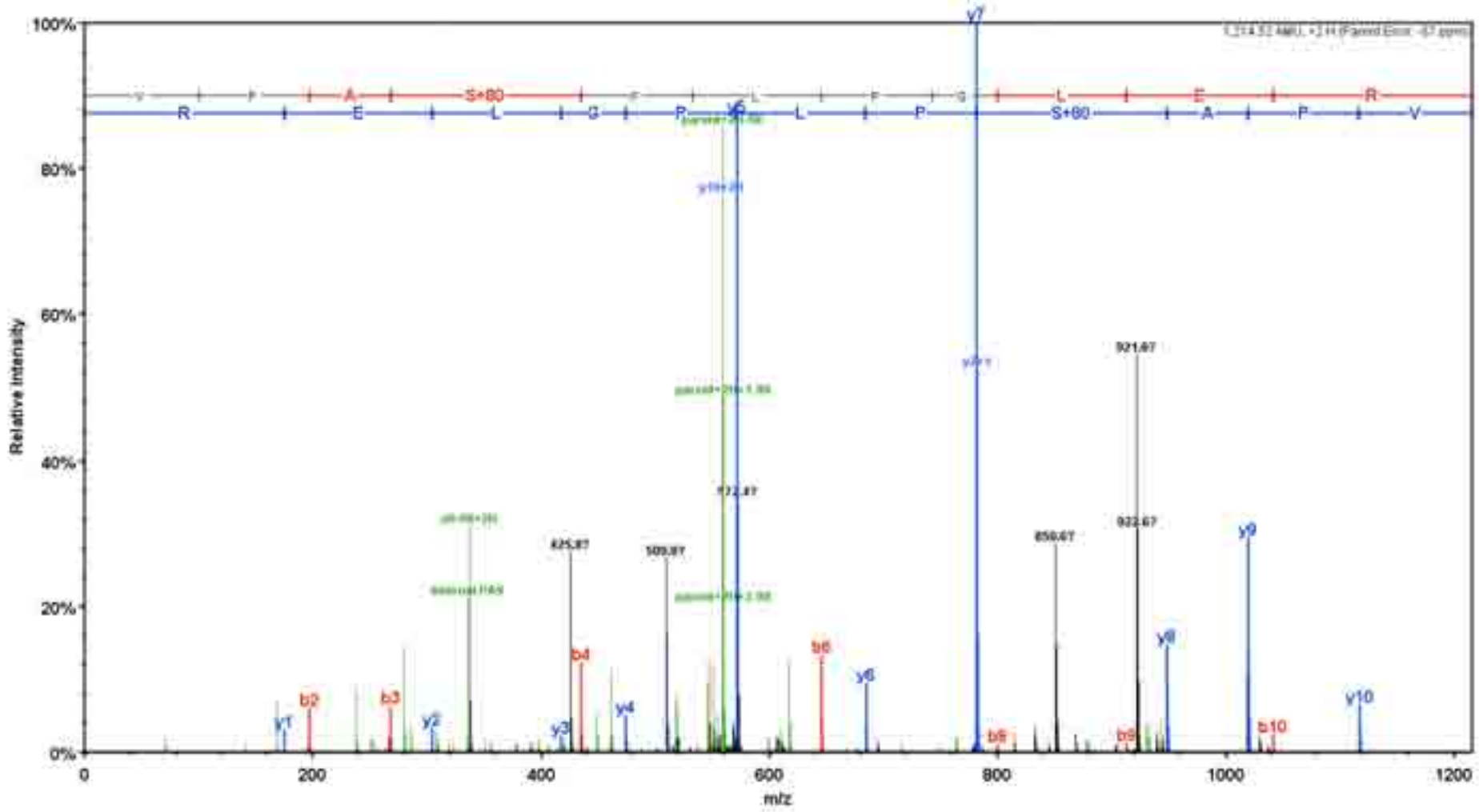
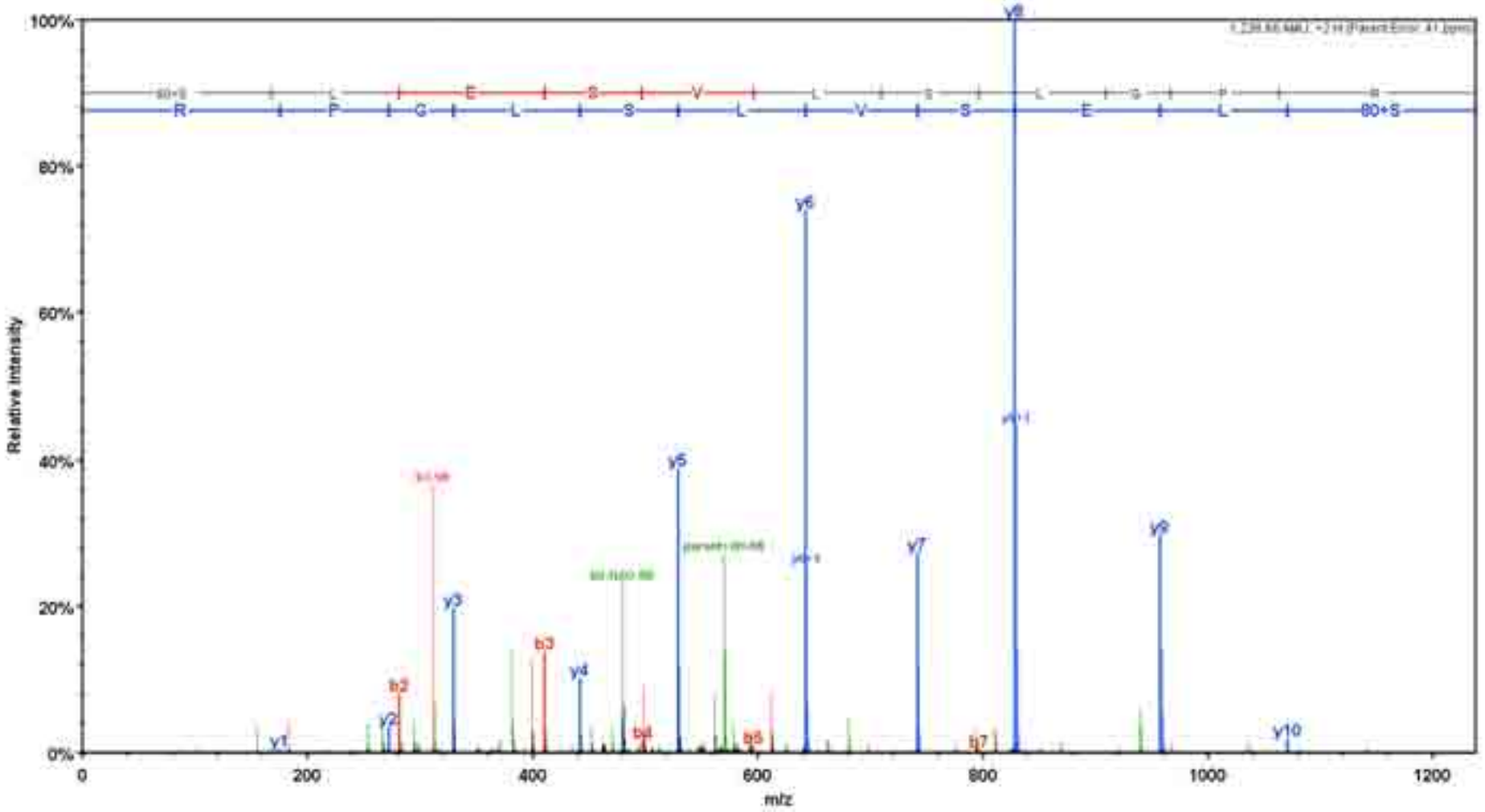


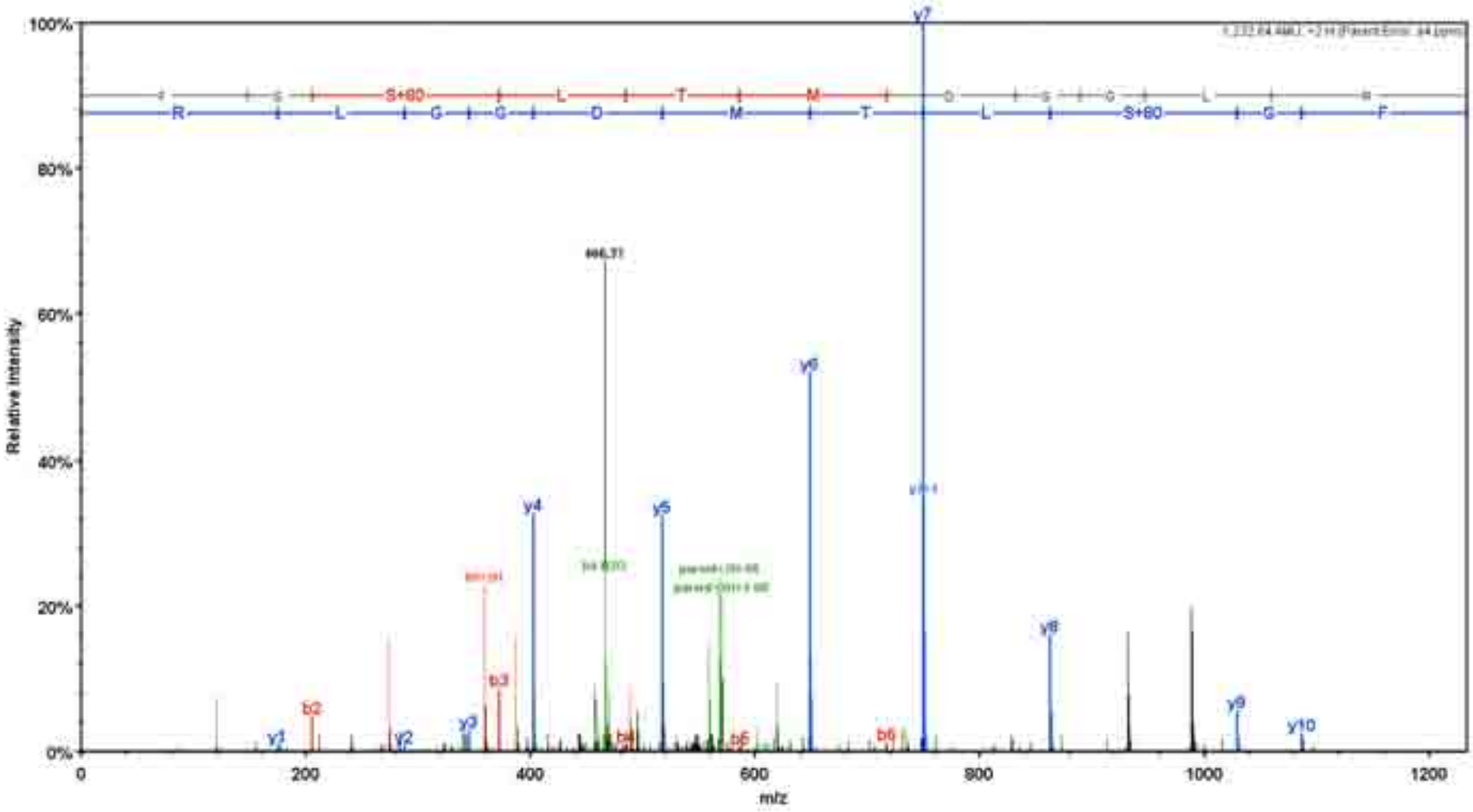
VPApSPLPGLER



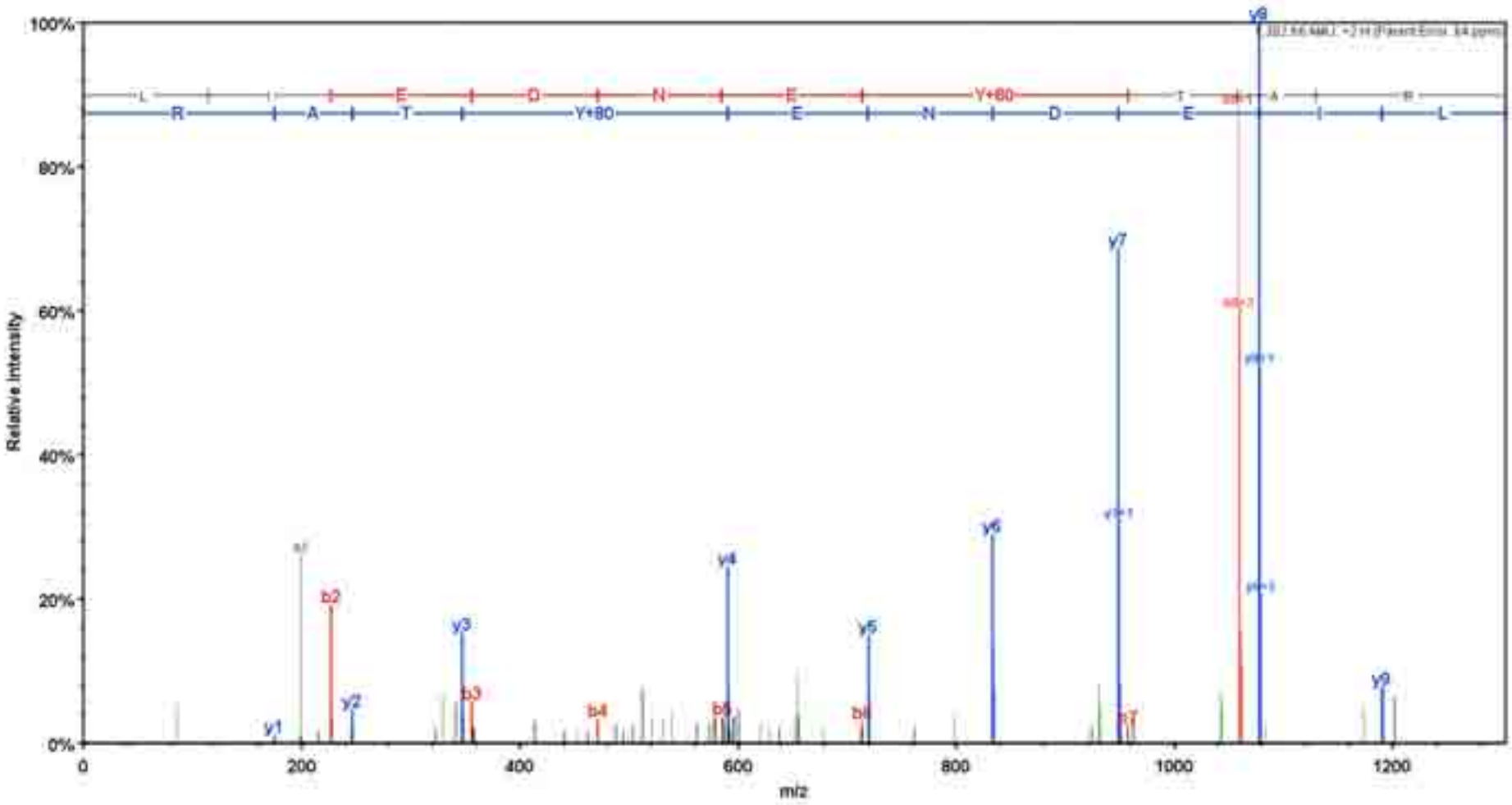
pSLESVLSLGPR



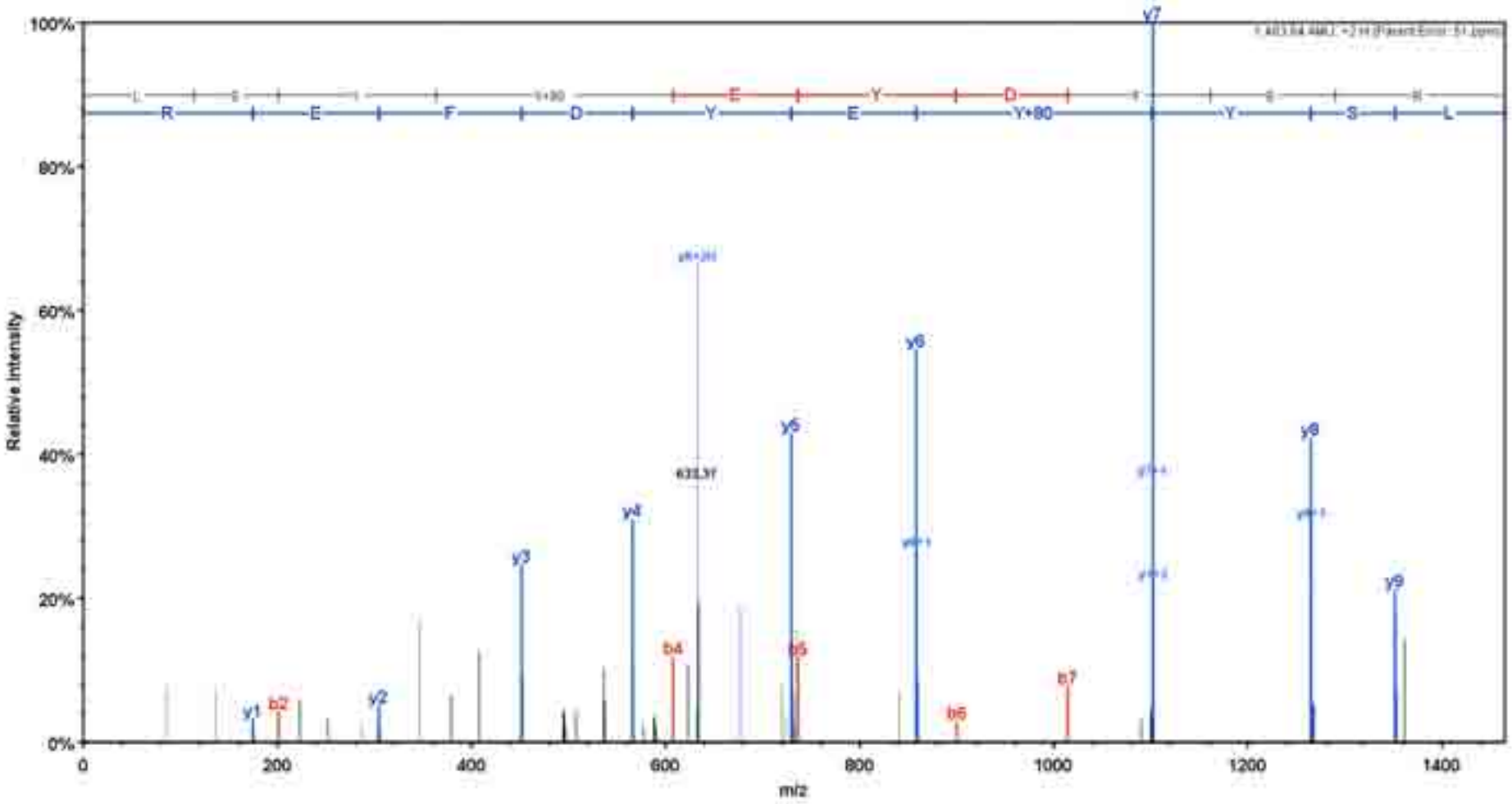
FGpSLTMDGGLR



LIEDNEpYTAR



LSYpYEYDFER



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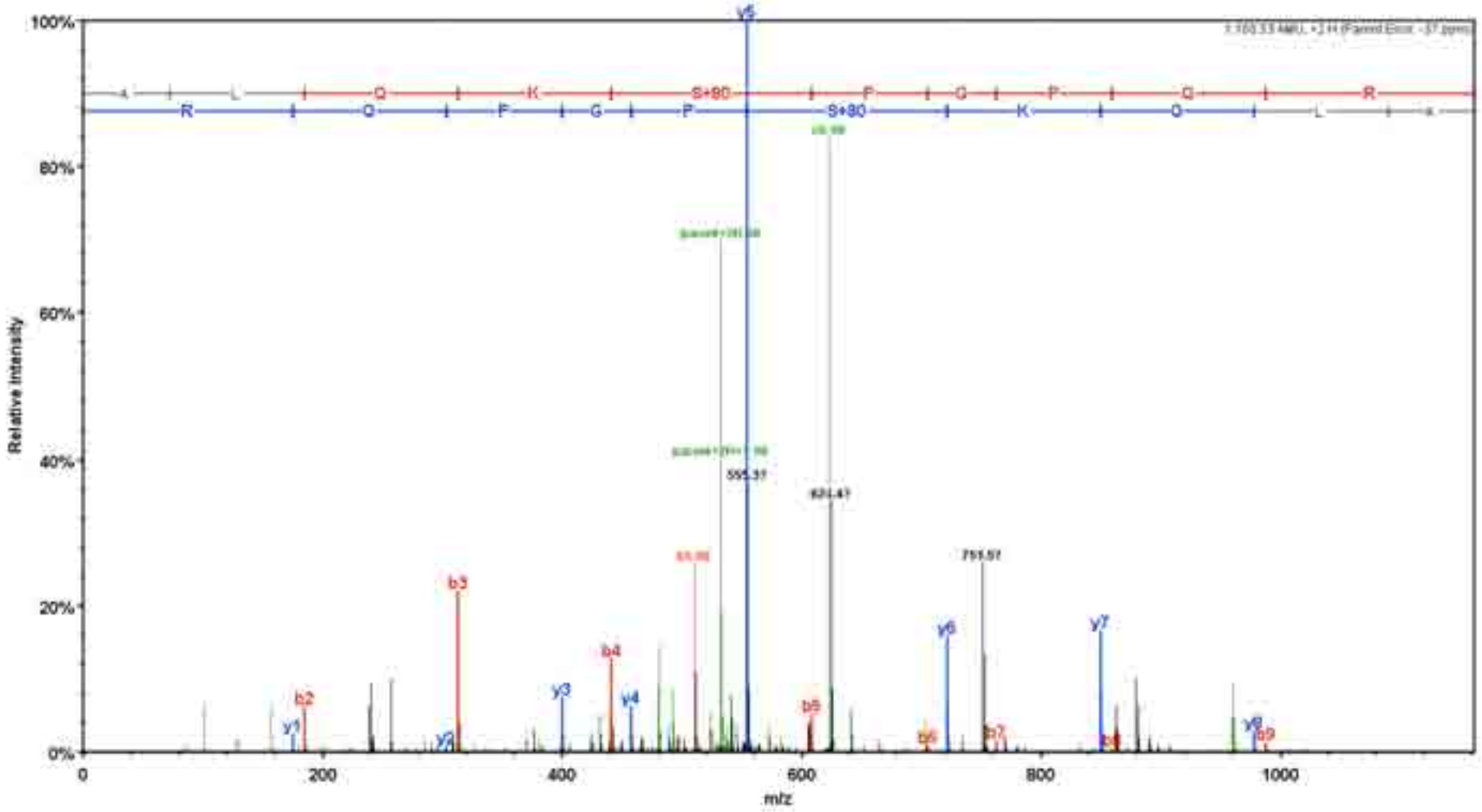

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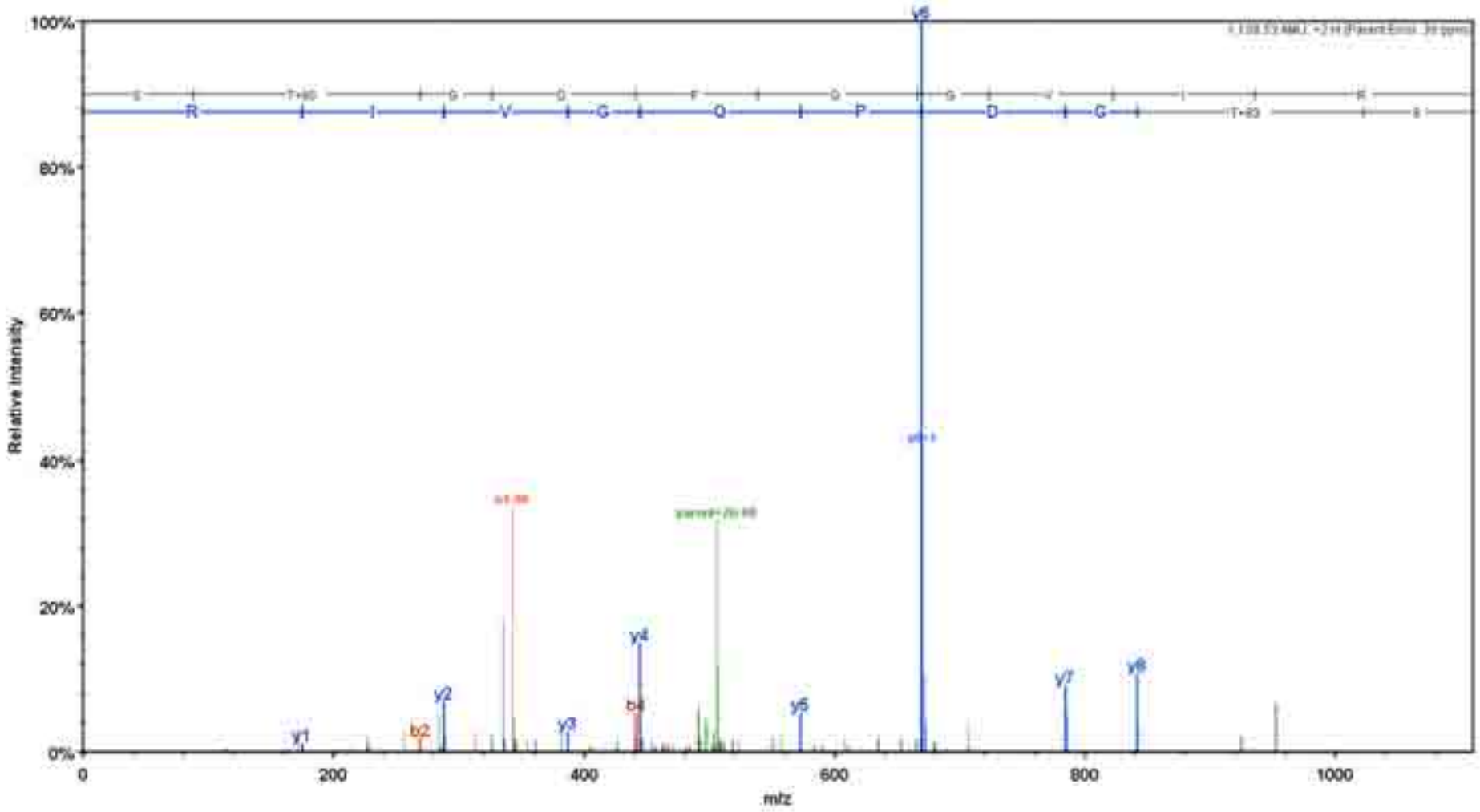

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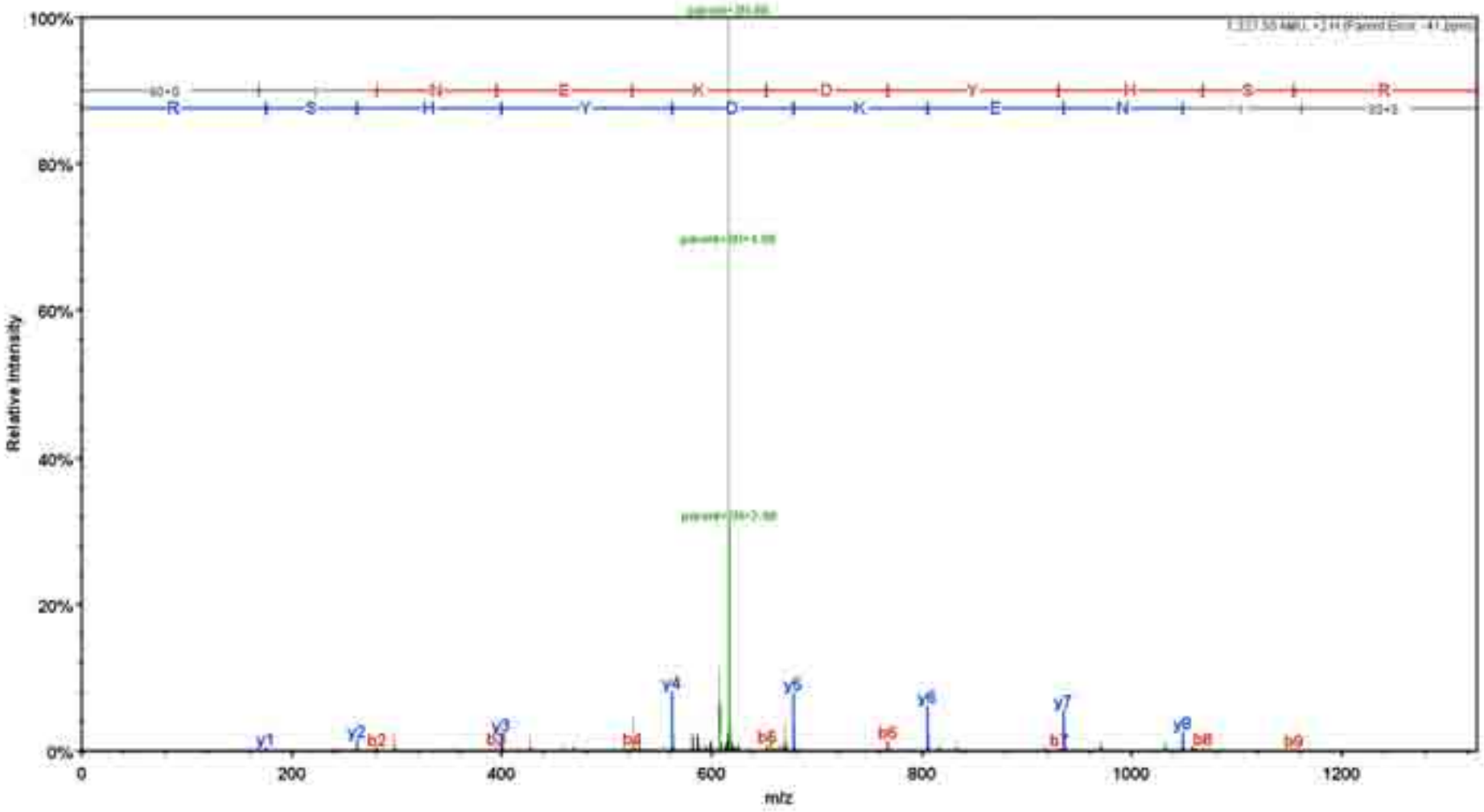

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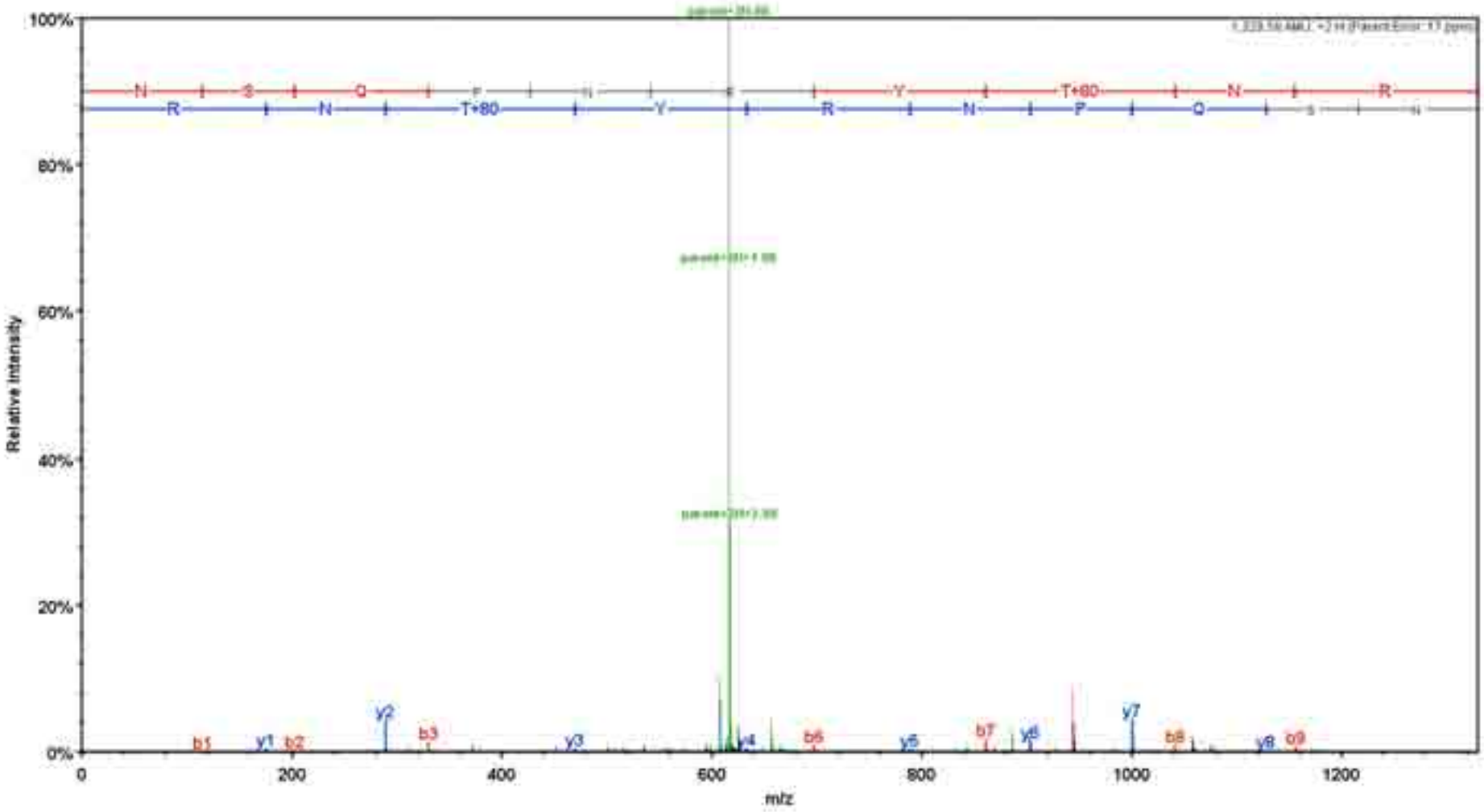

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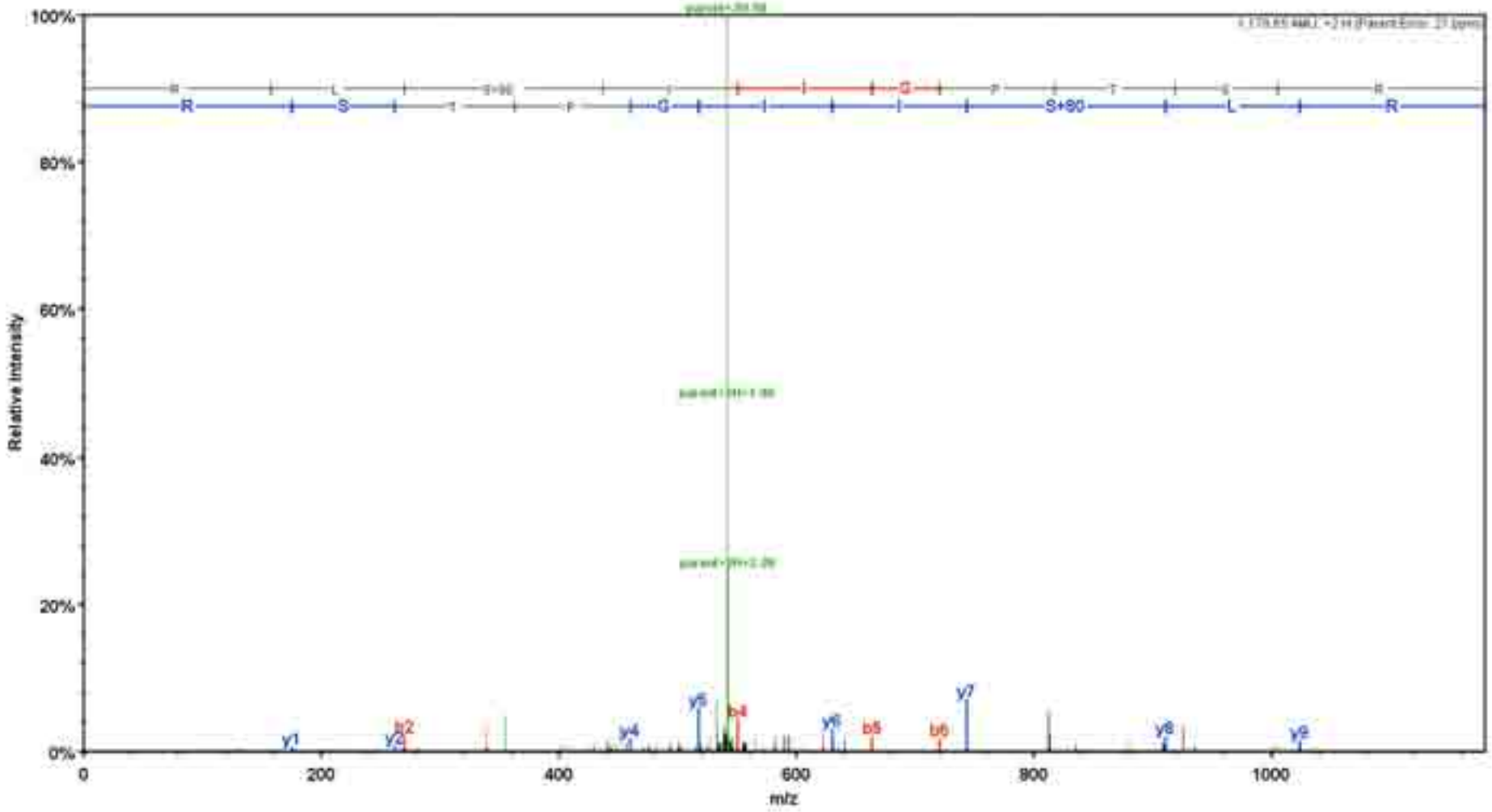

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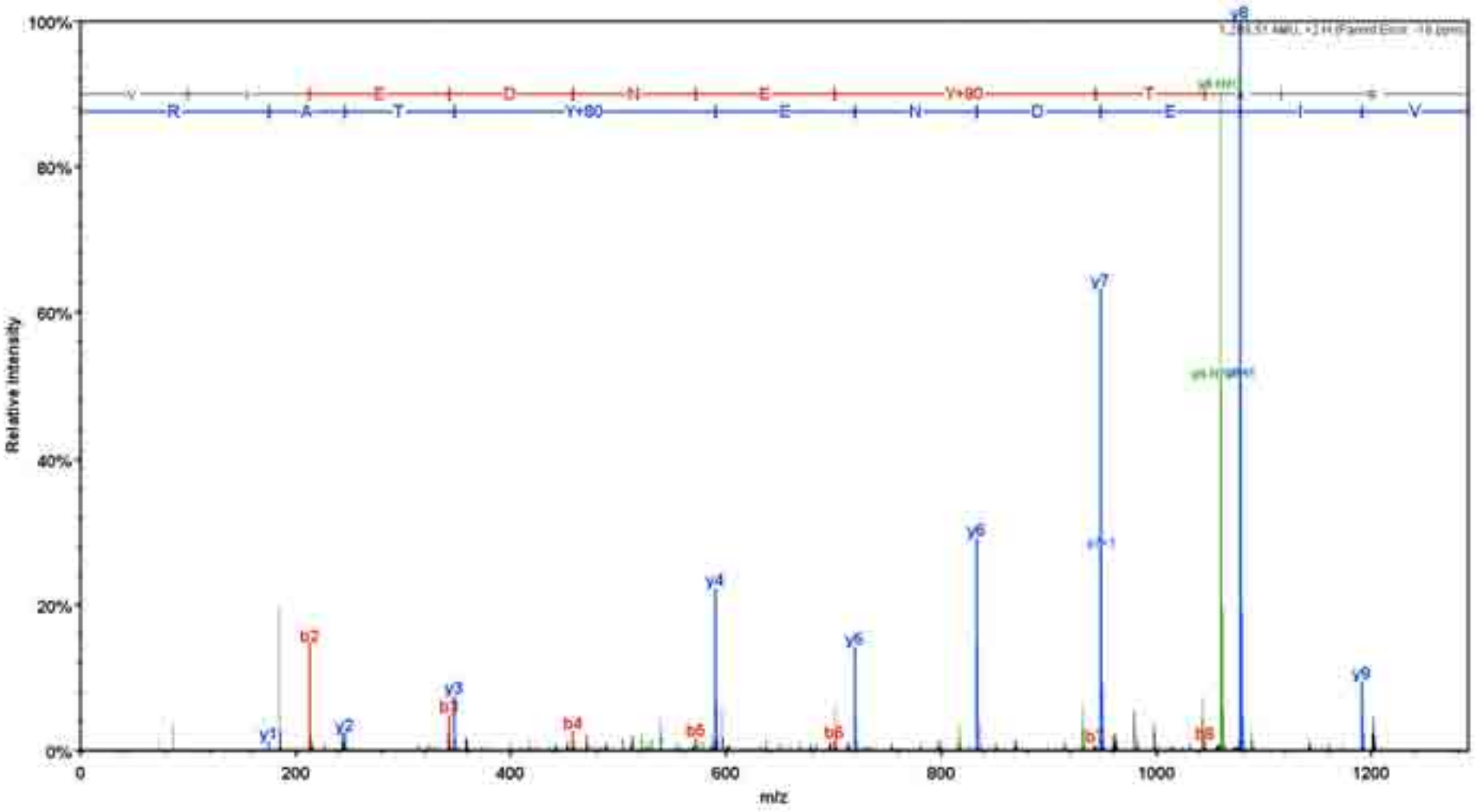

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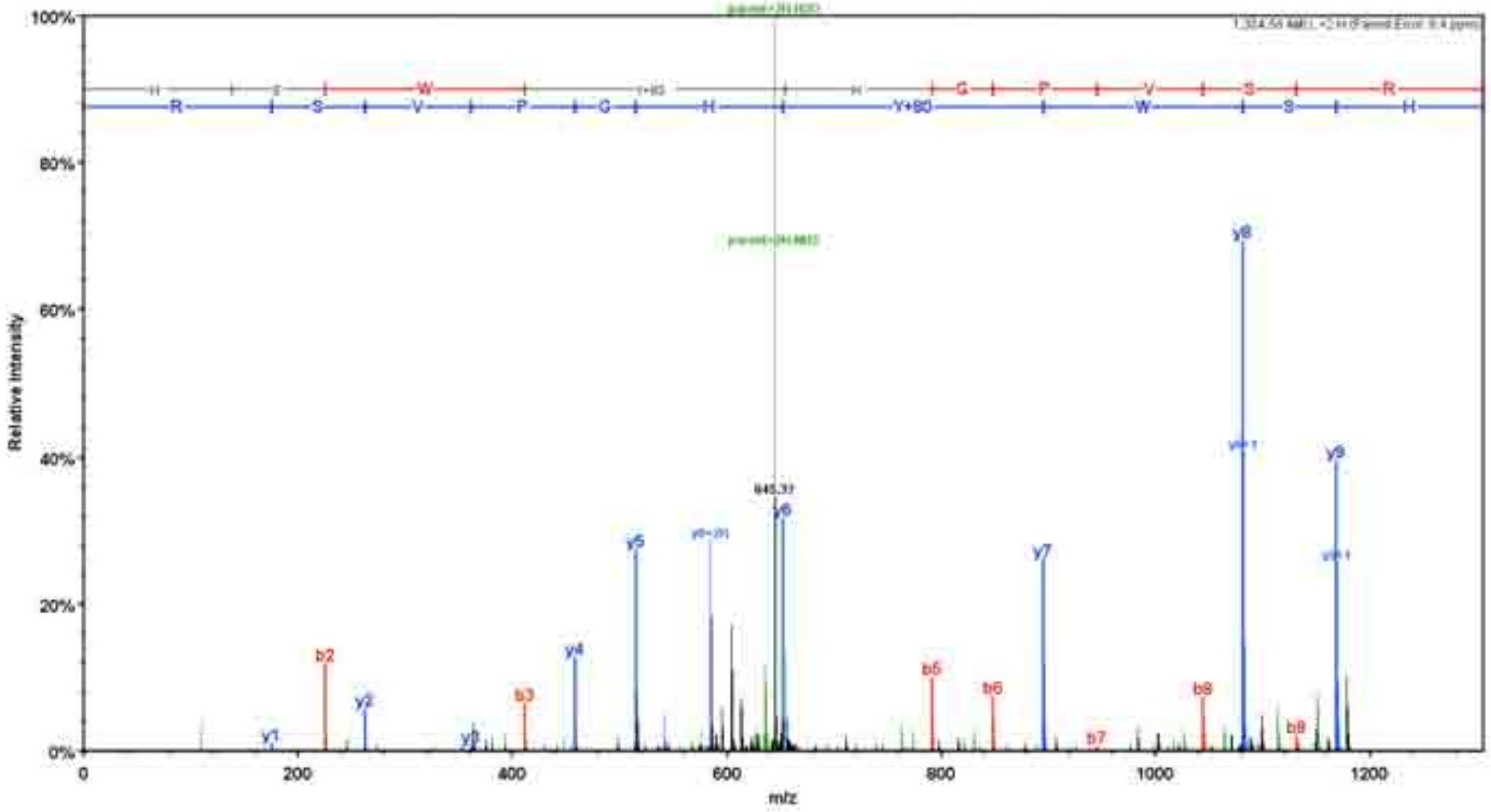

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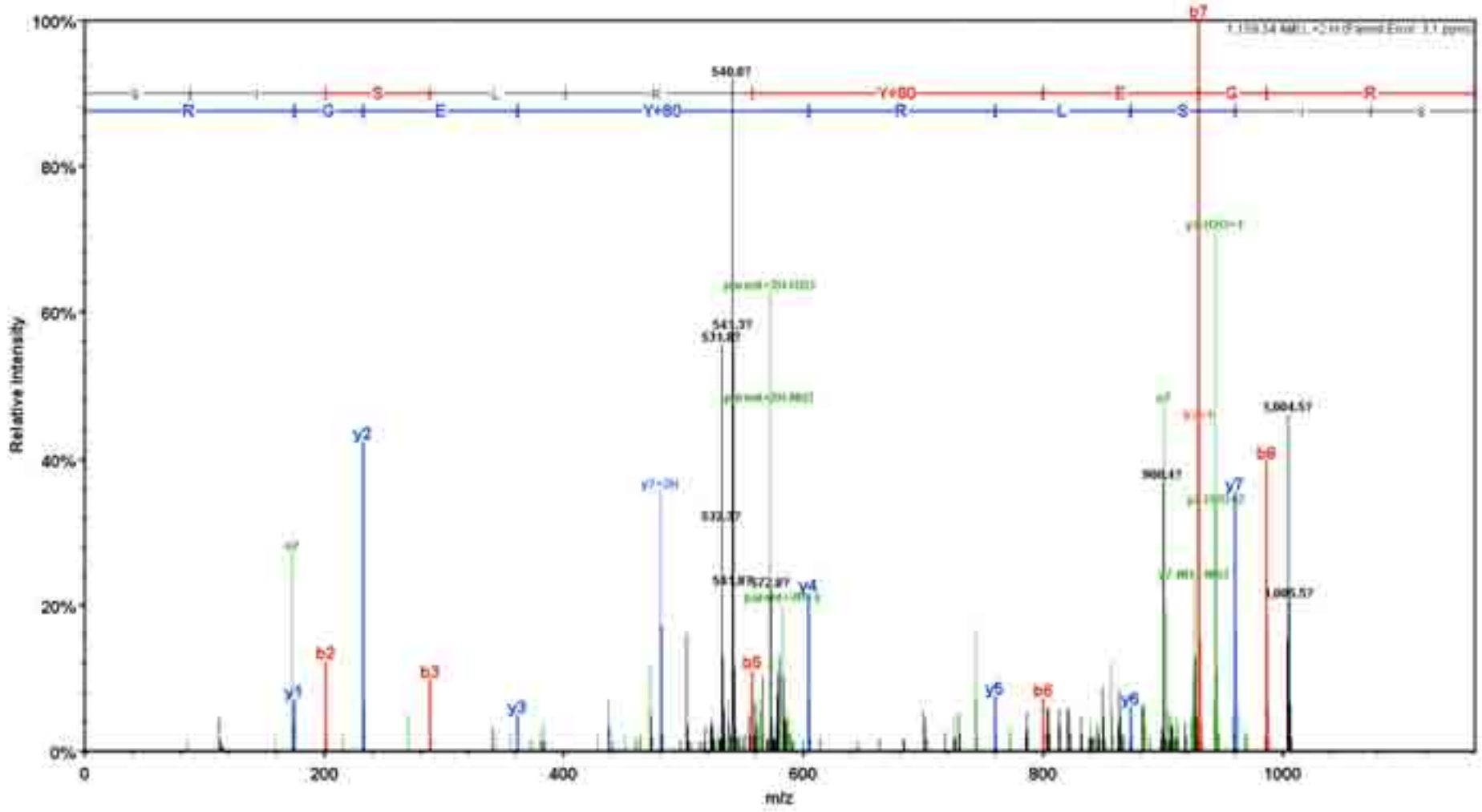
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m/z
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S
L
R
Y+80
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G
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R
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R
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S
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y2
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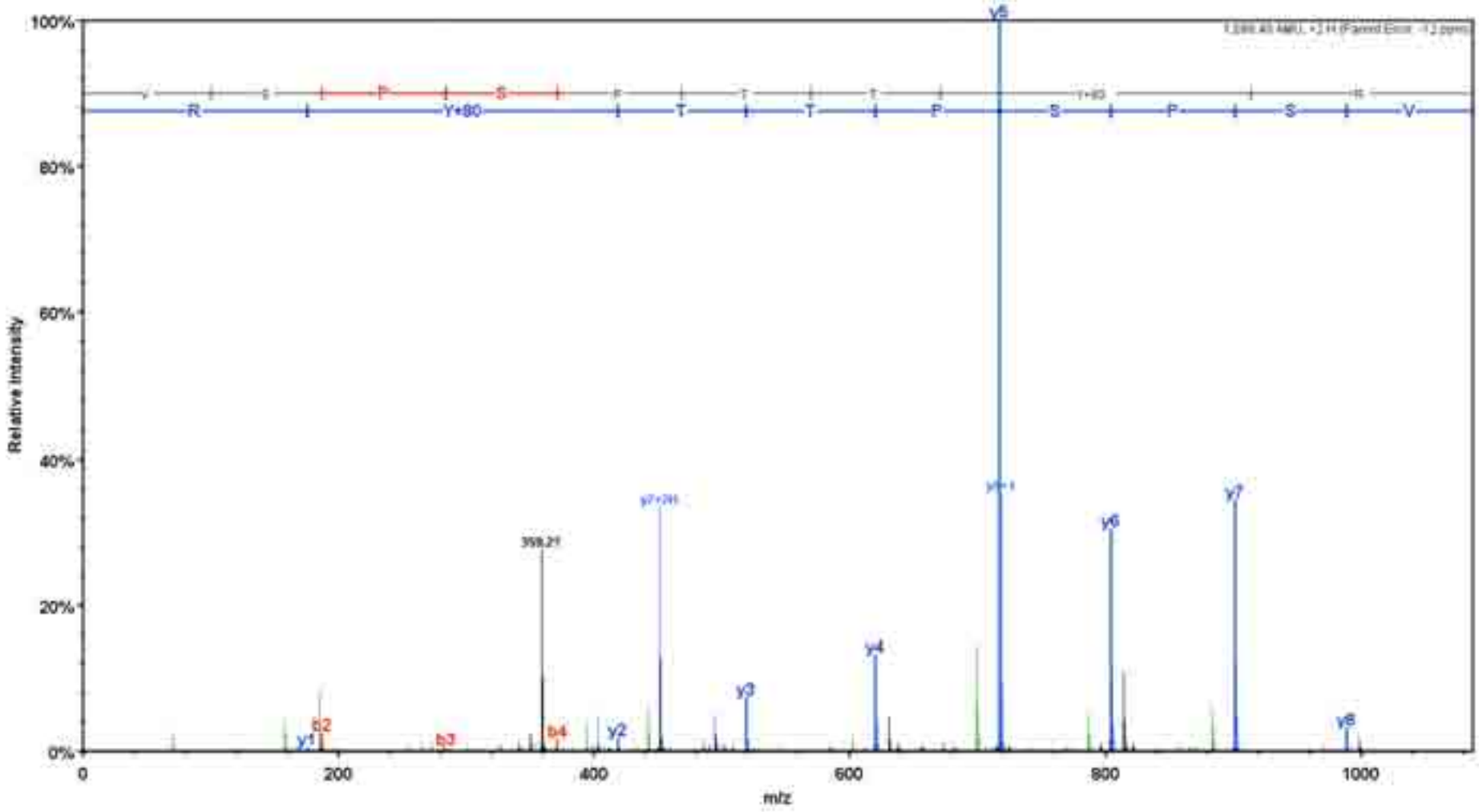
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P
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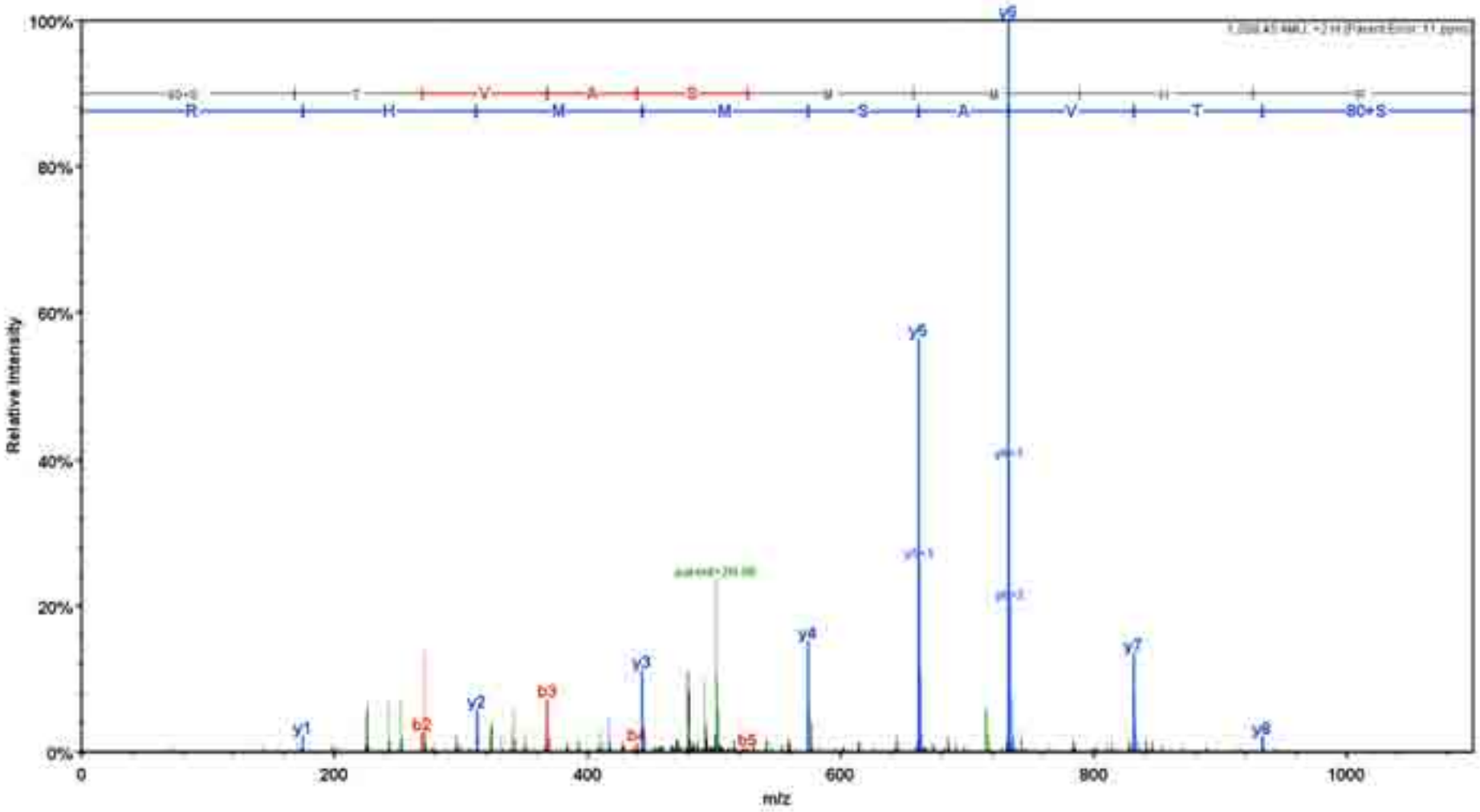
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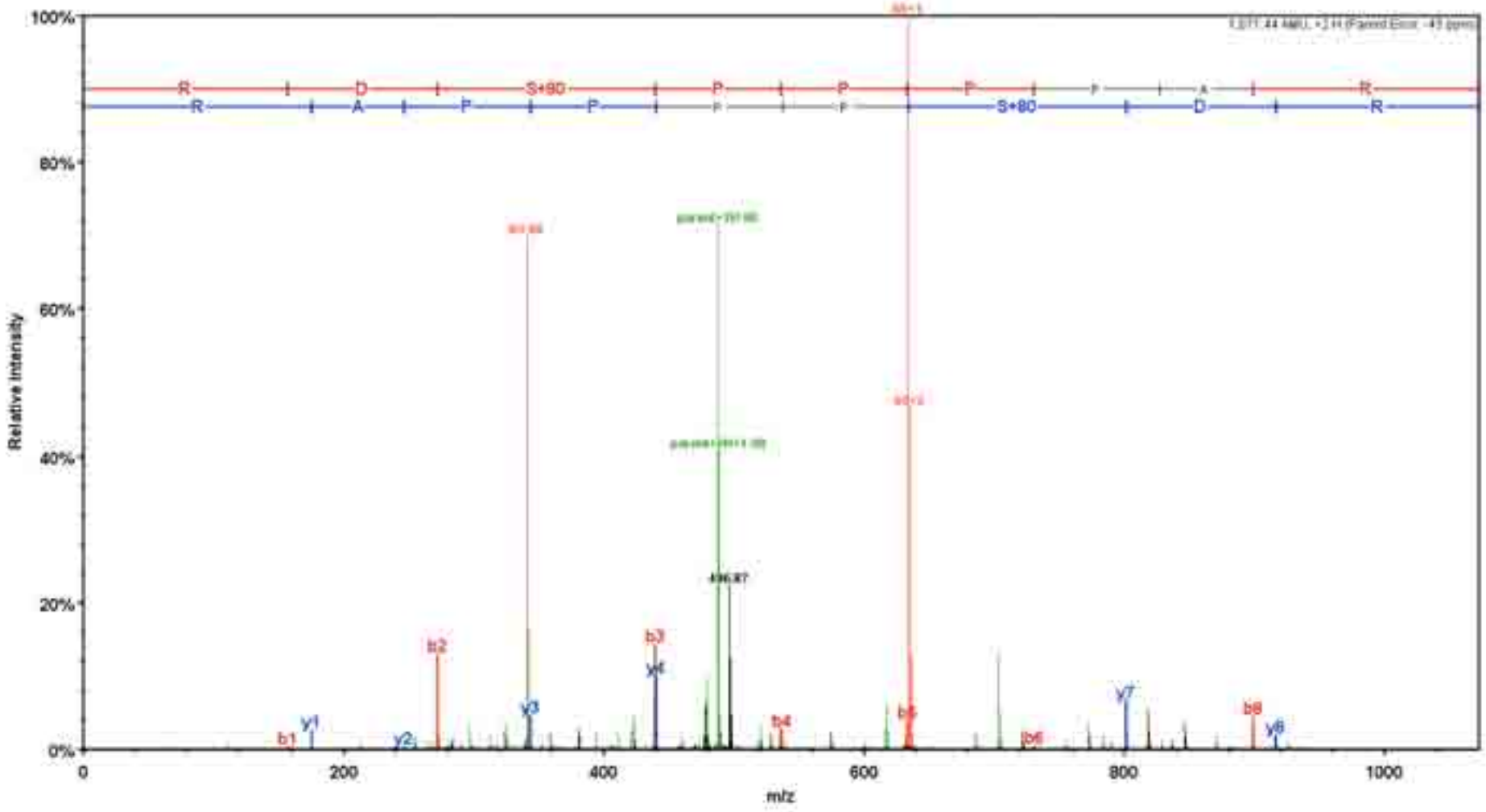
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R A P P P P S+80 D R
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b6
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y6

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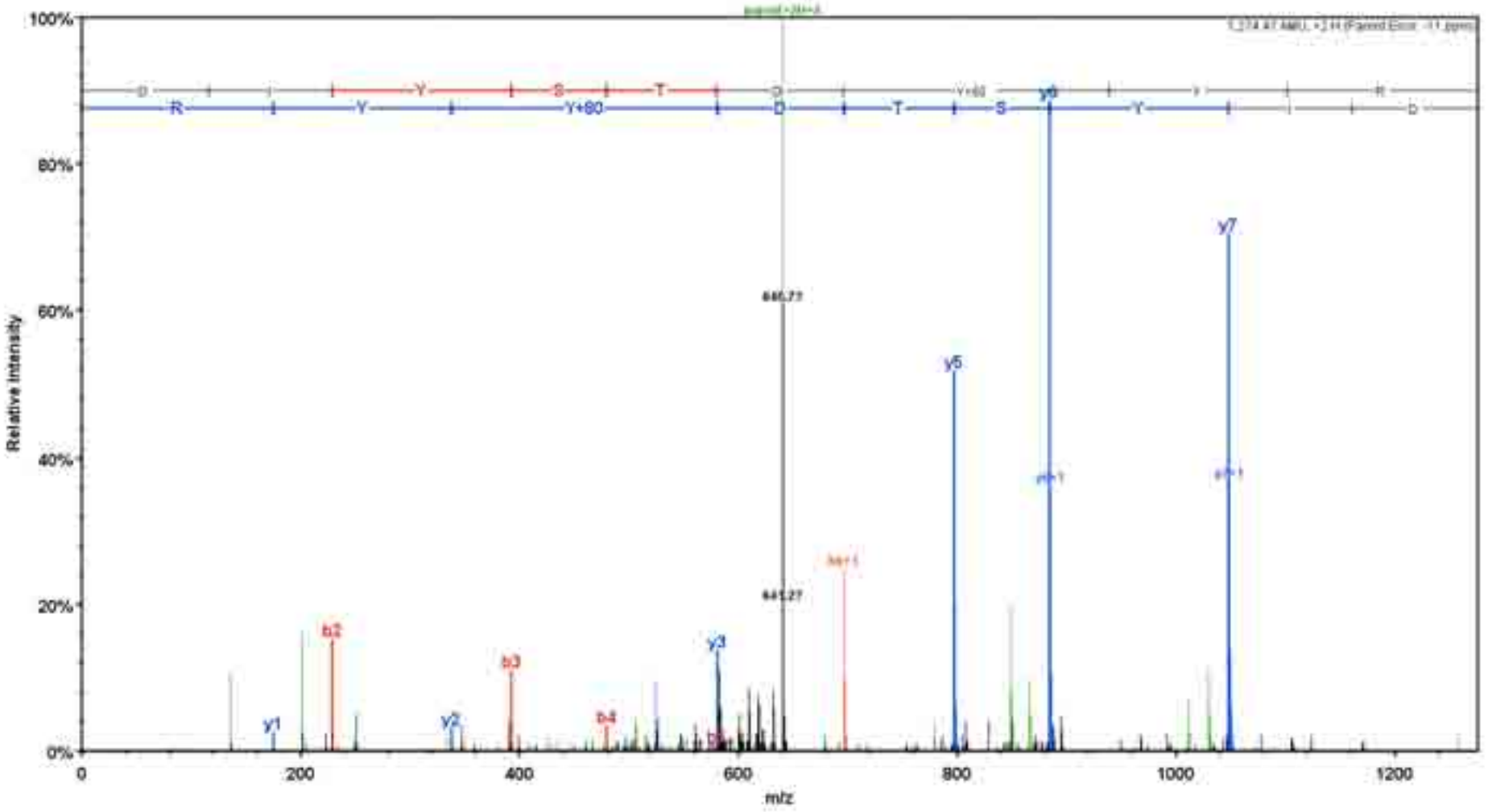
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m/z
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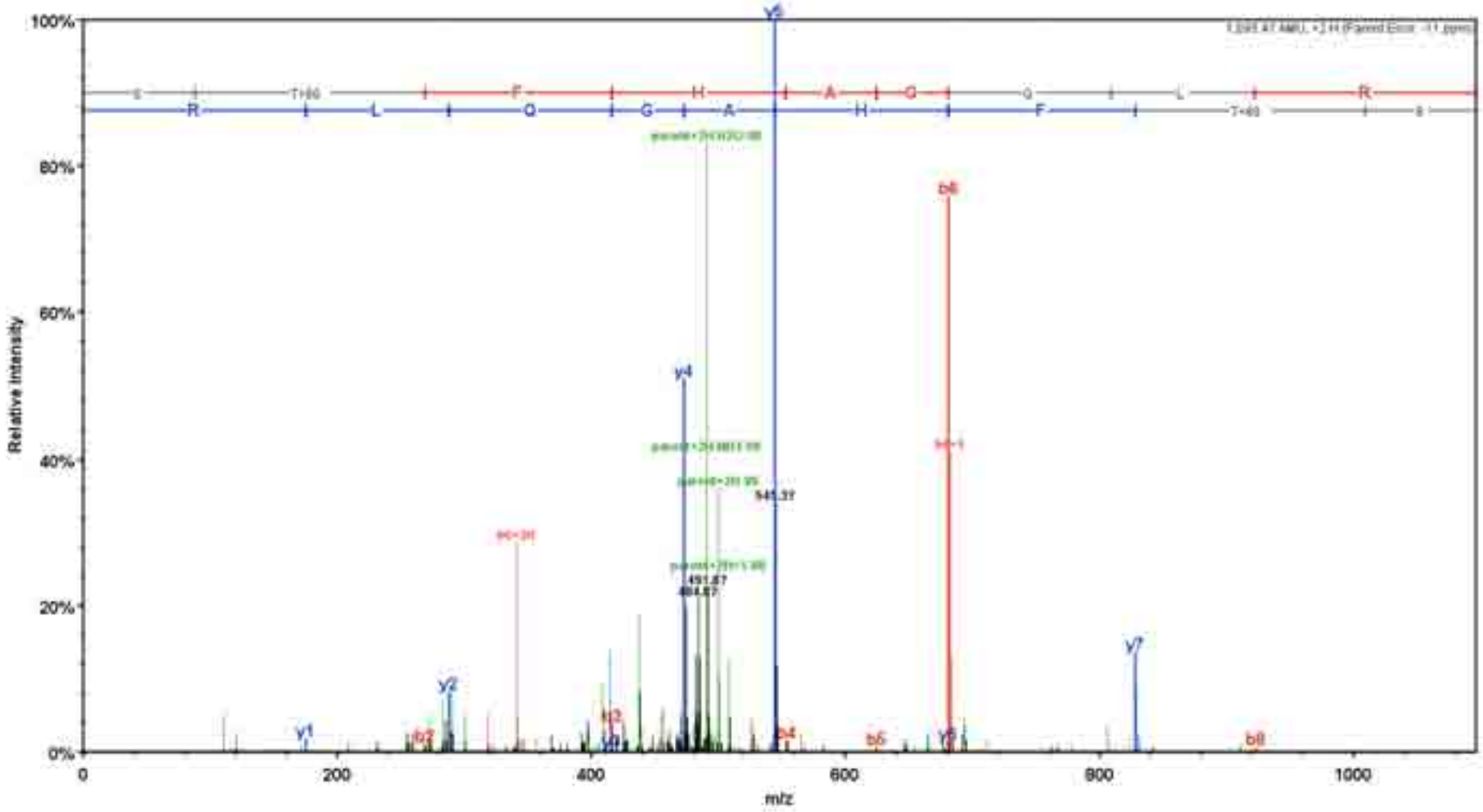
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y6
b8
R
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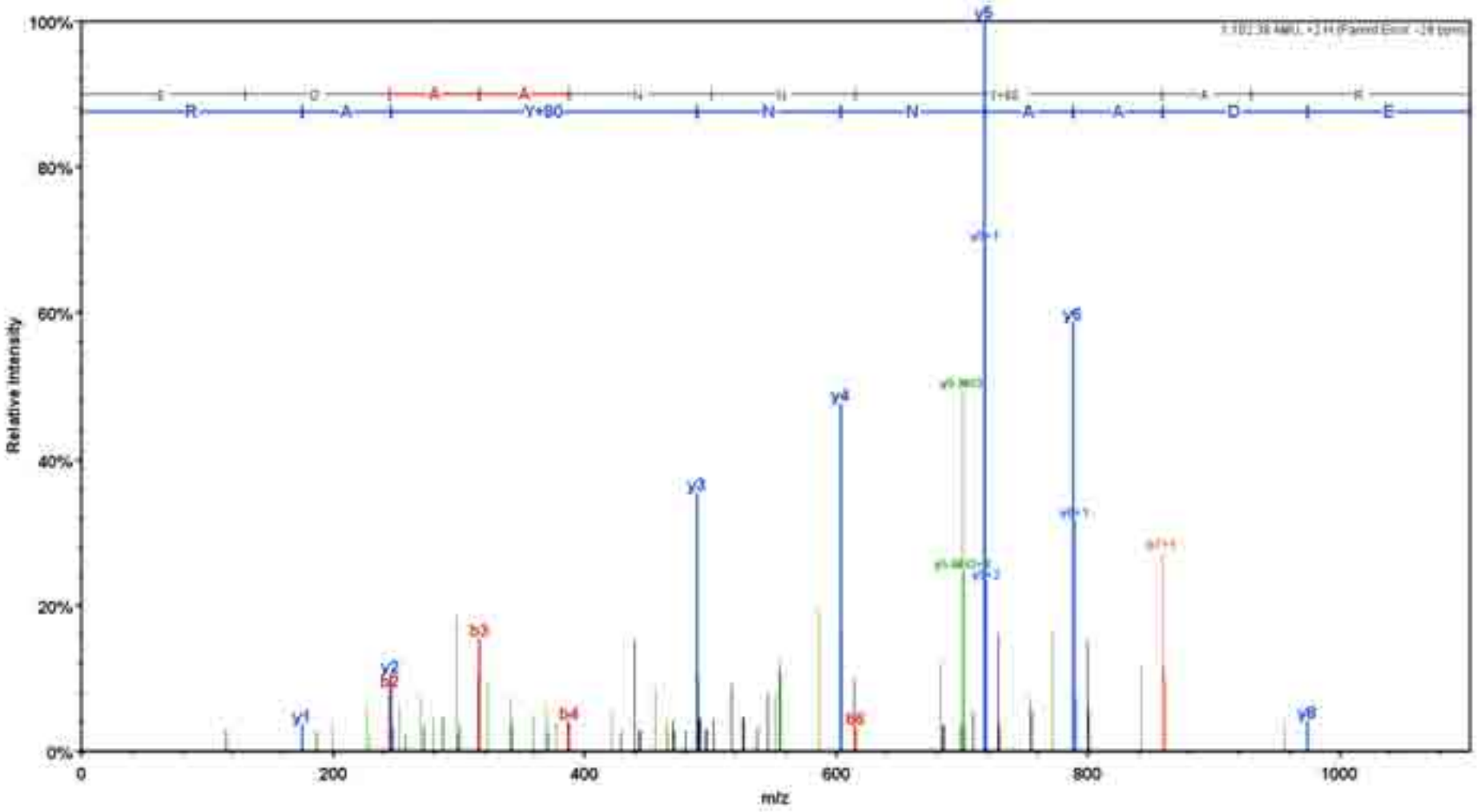
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y8

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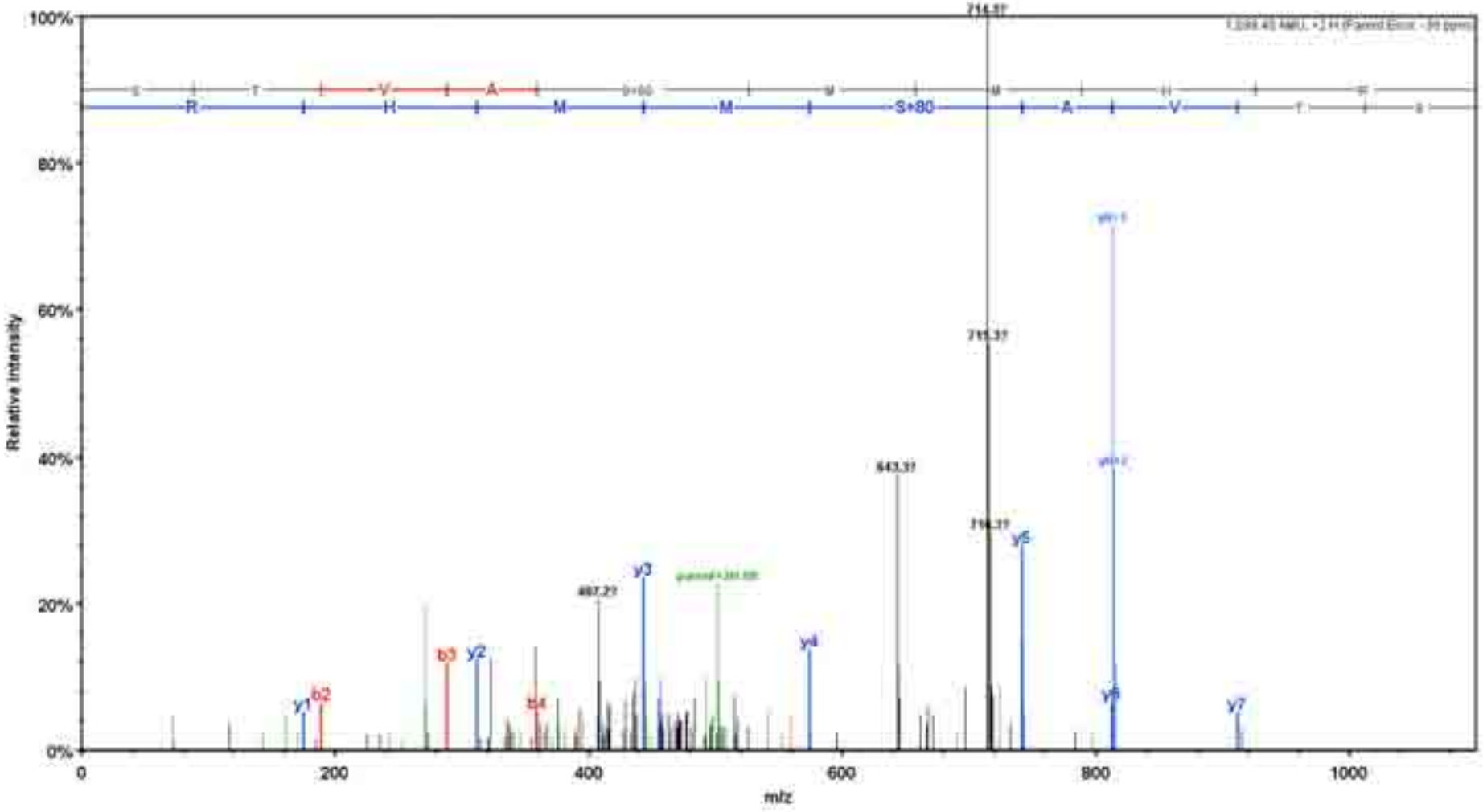
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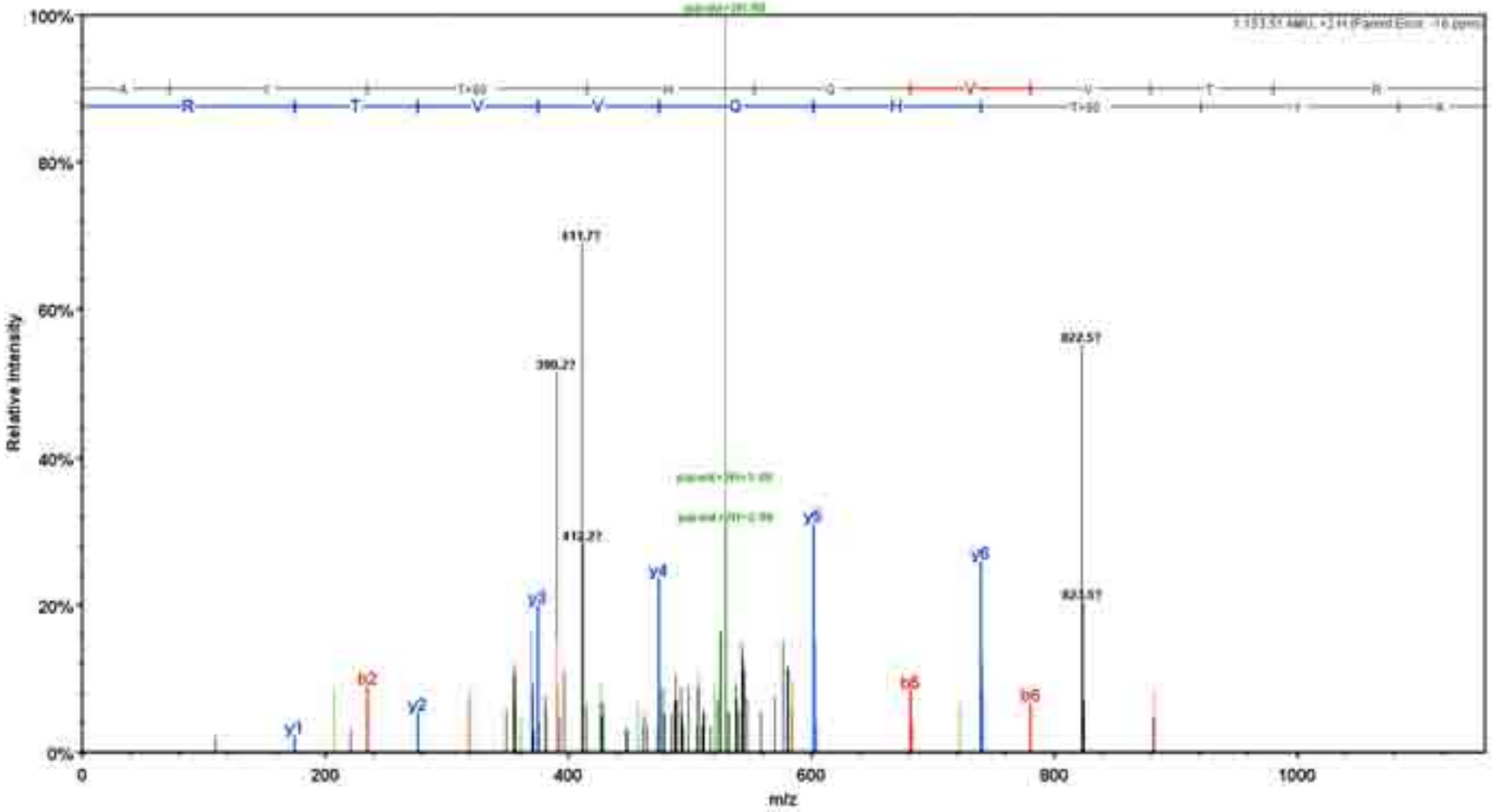
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m/z
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V
Q
H
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y5
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b5
b6

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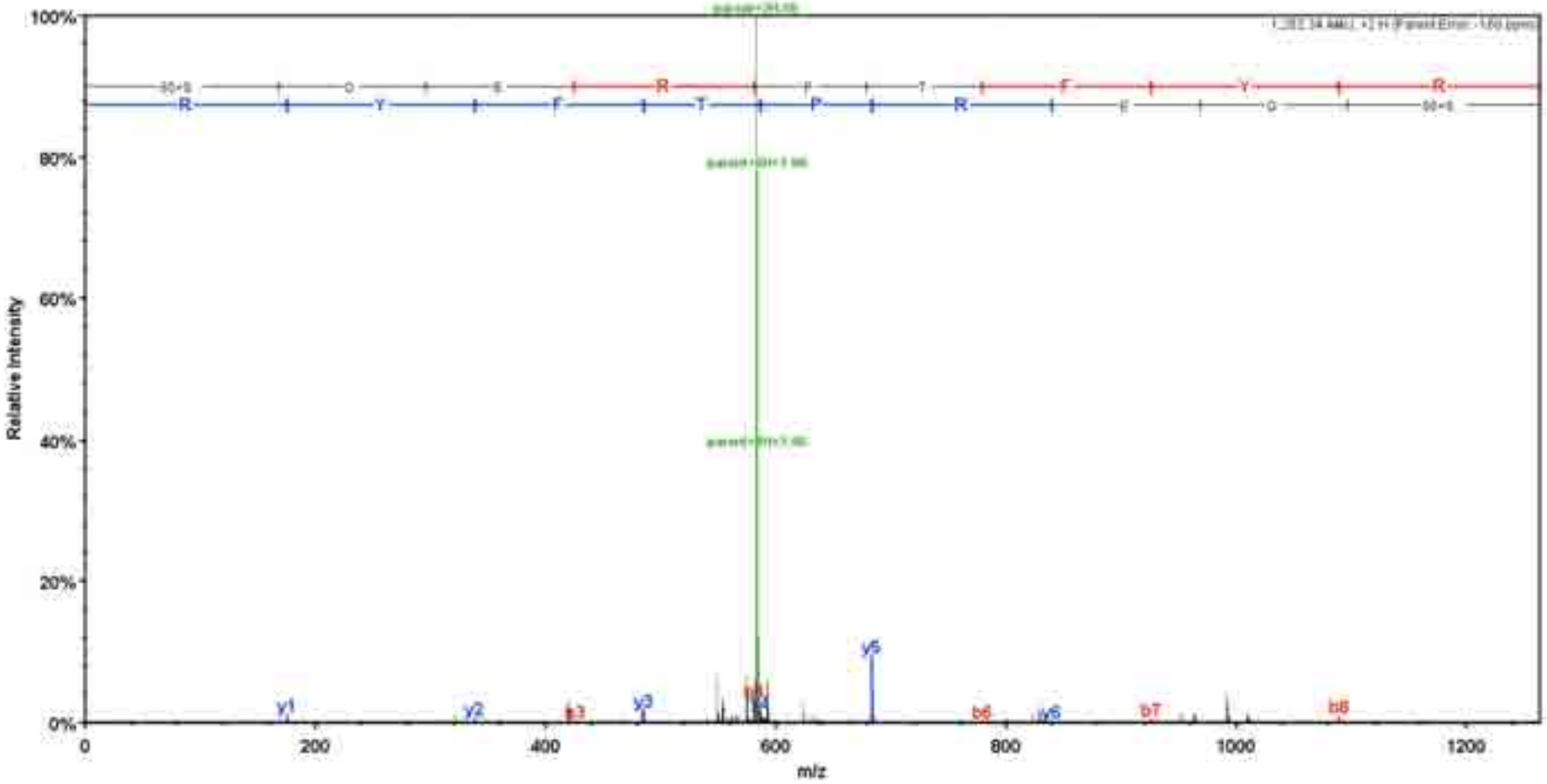
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y6
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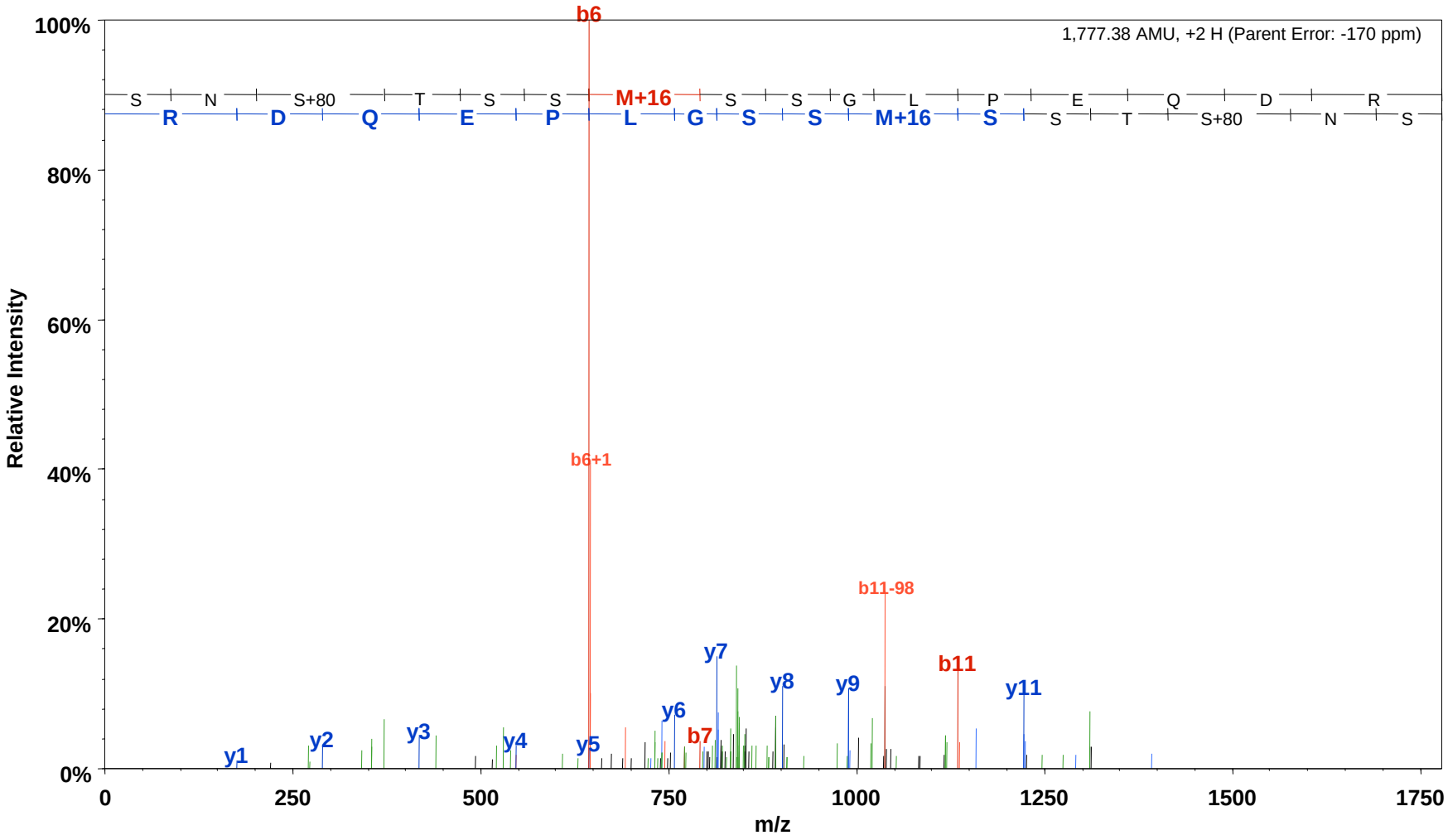

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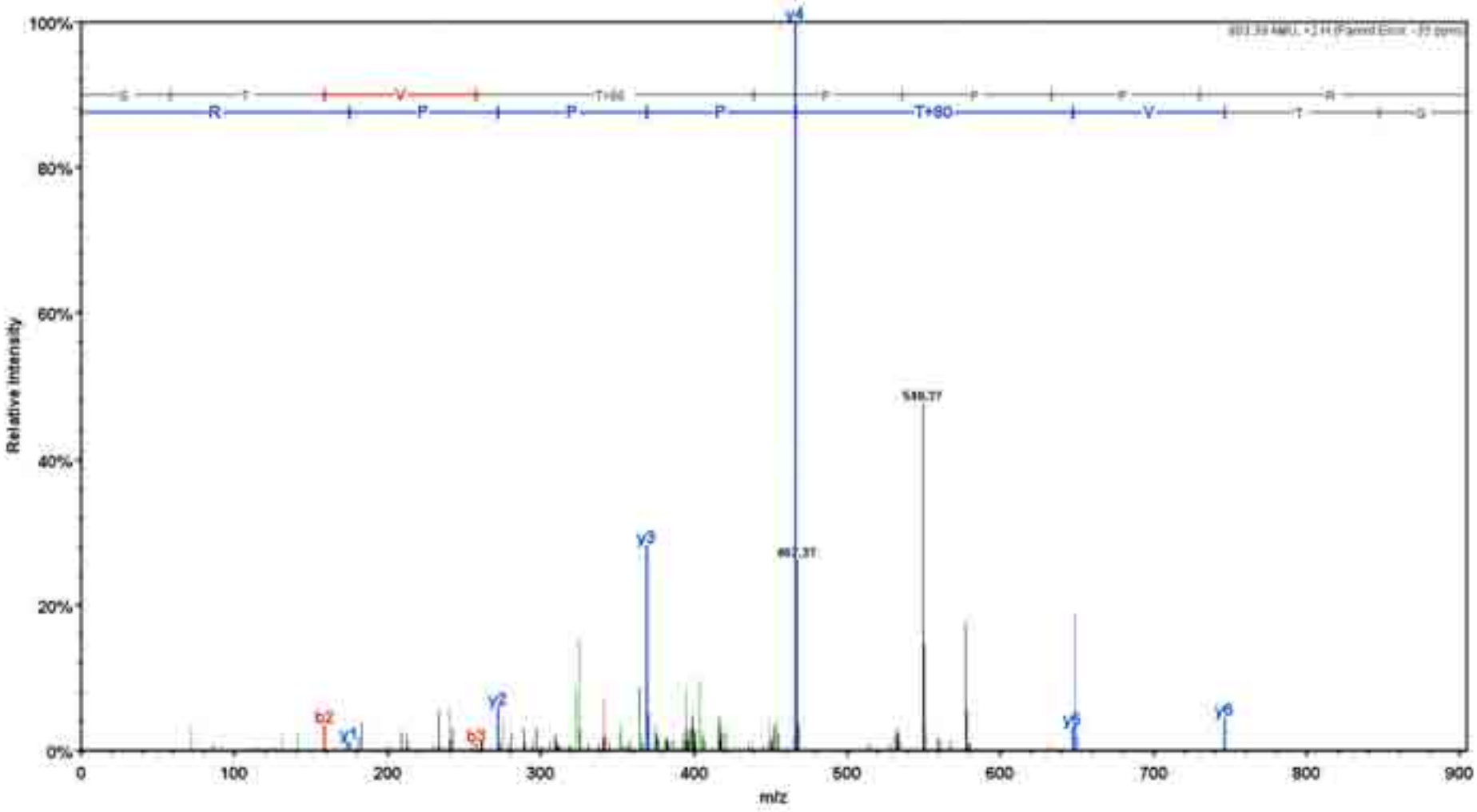
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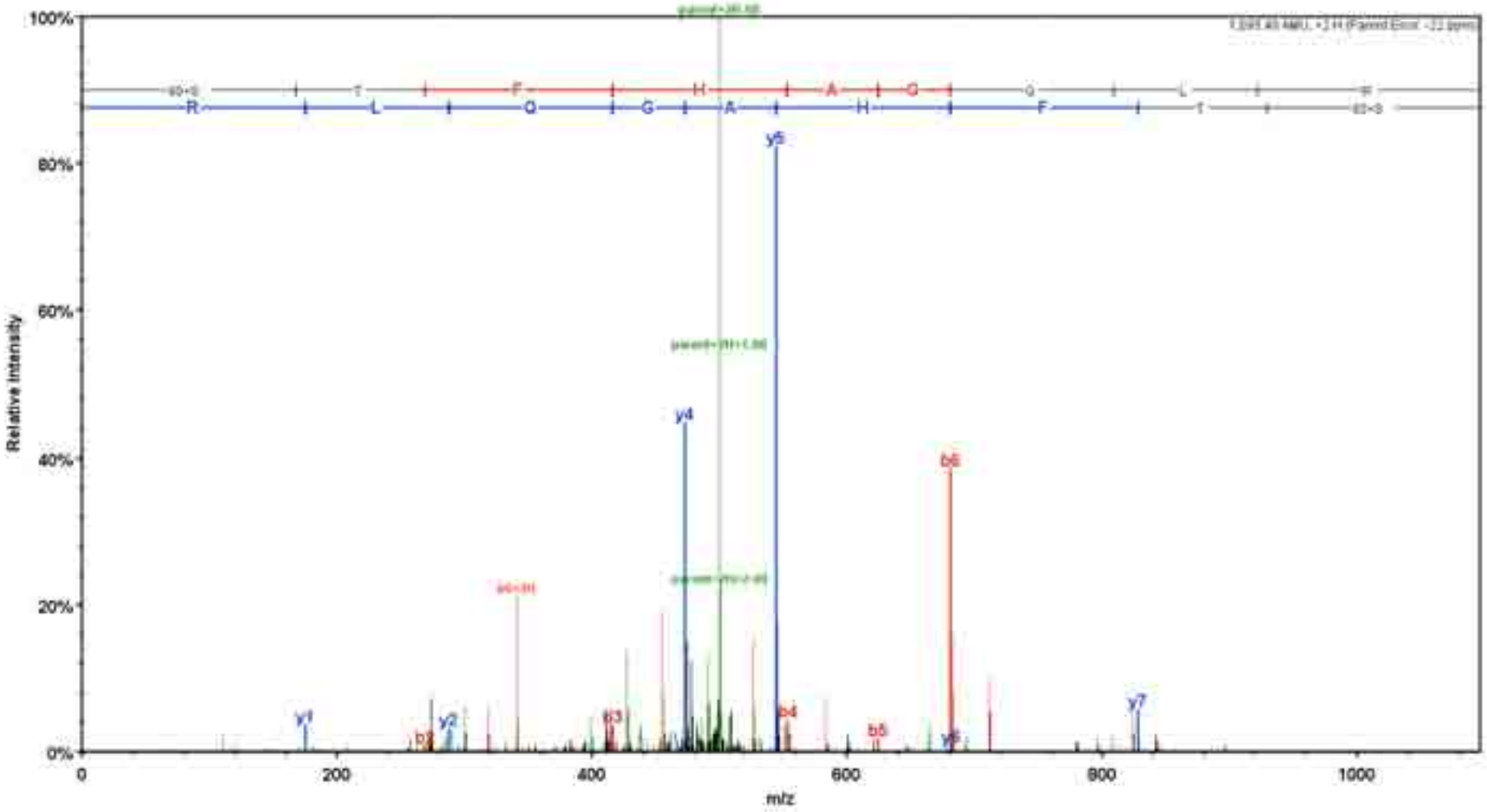
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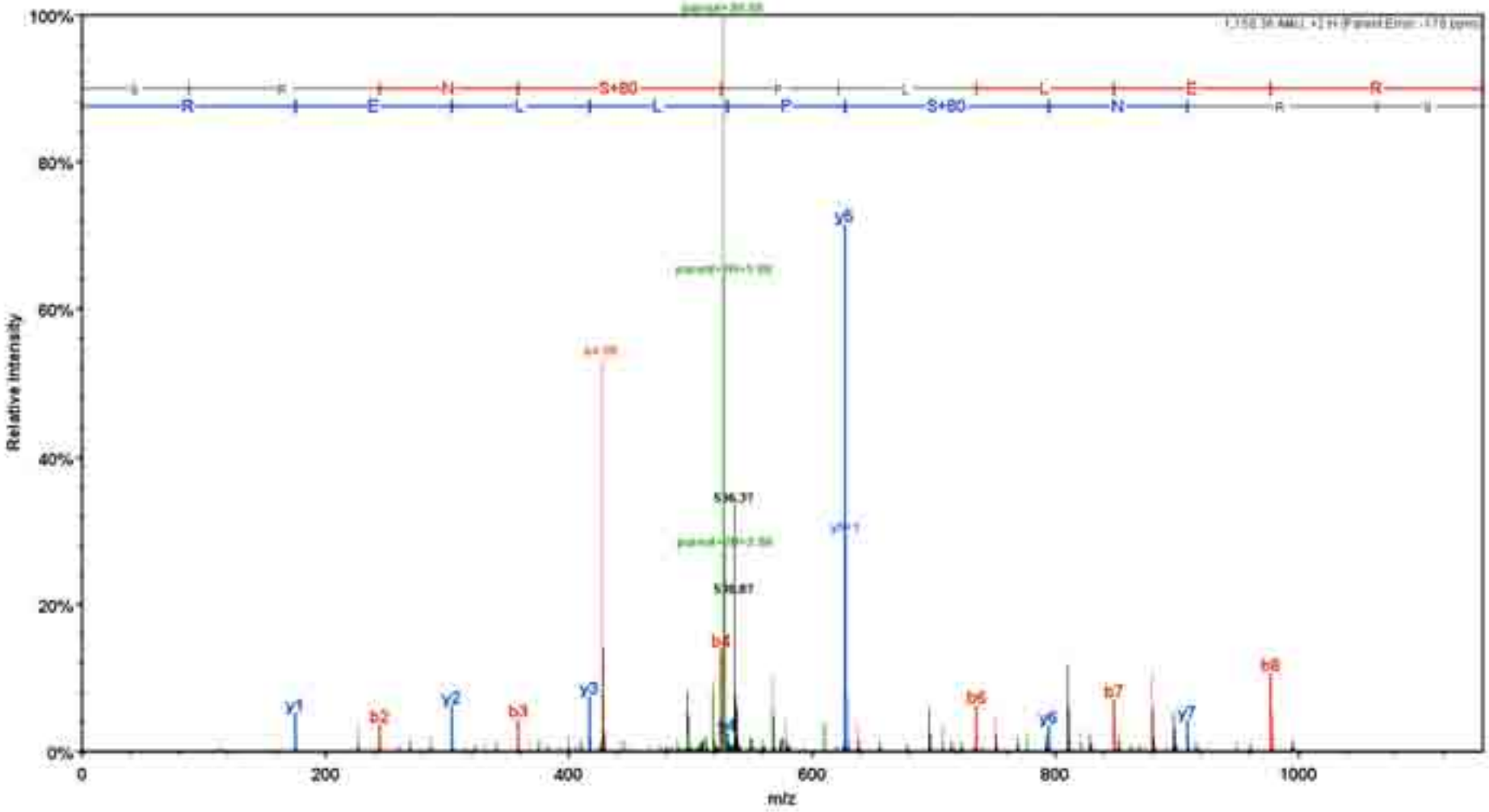
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m/z
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R
R
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L
L
P
S+80
N
R
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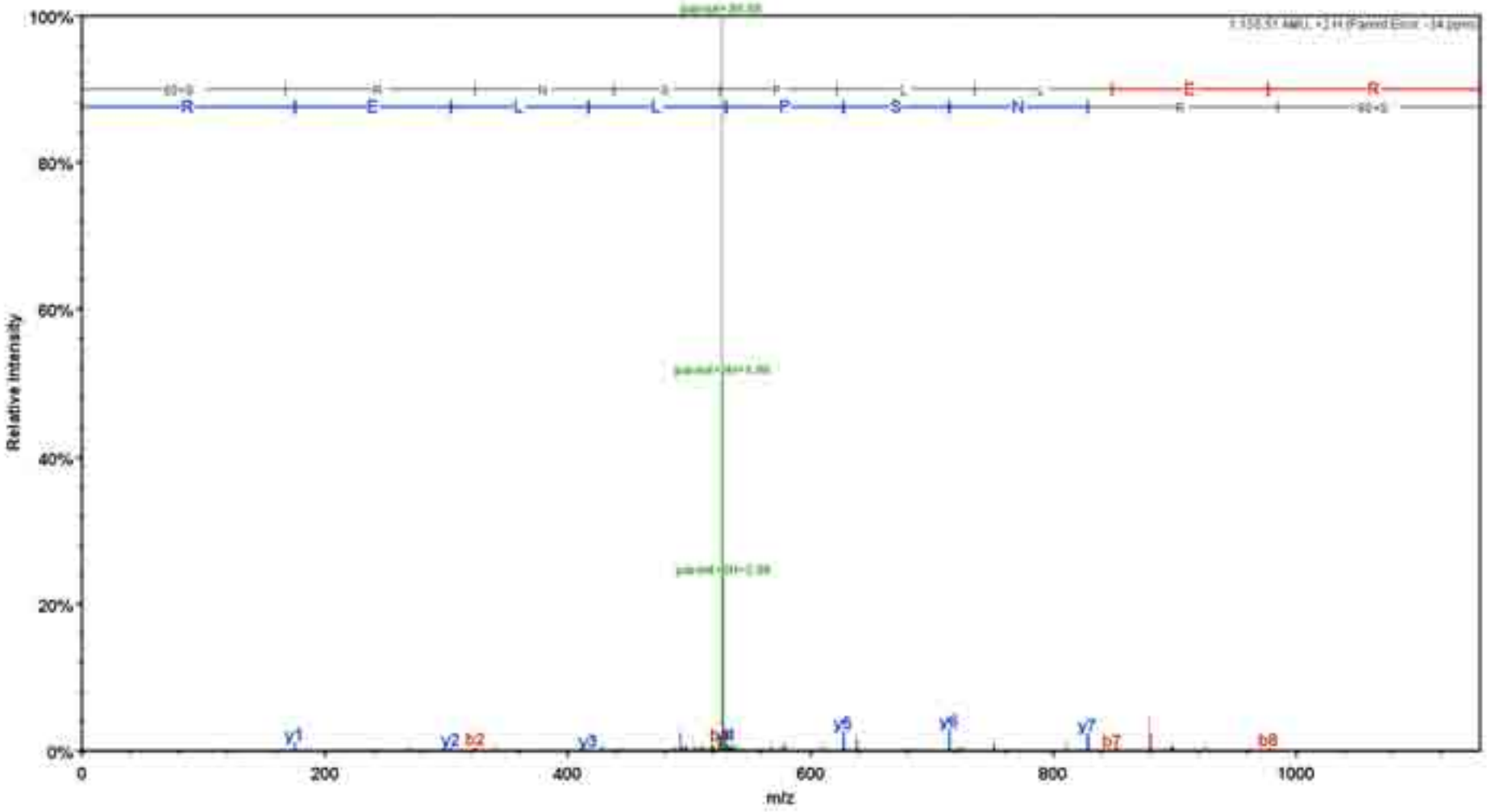
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y2
b2
y3
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y5
y6
y7
b7
b8
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400
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m/z

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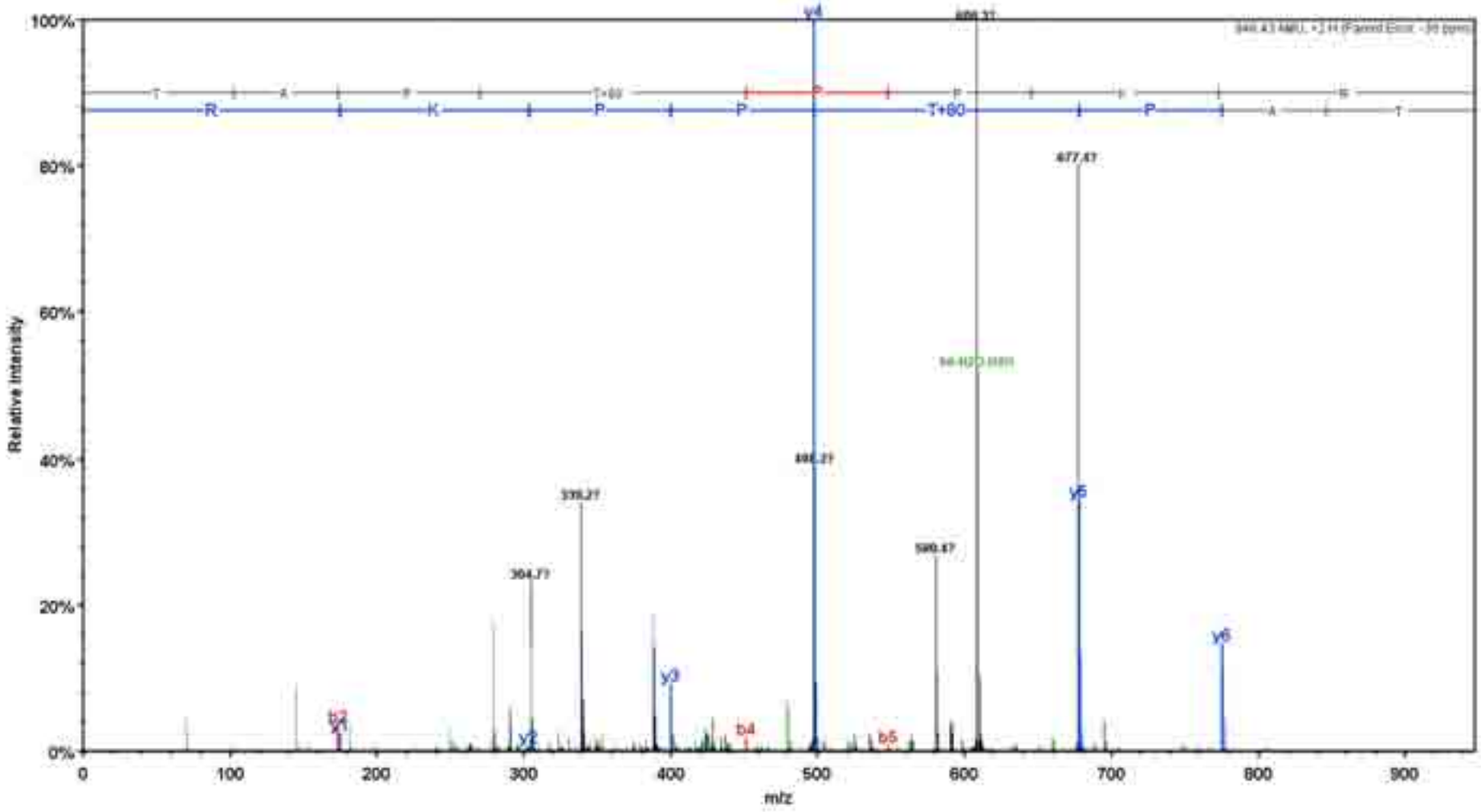
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m/z
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K
P
P
T+80
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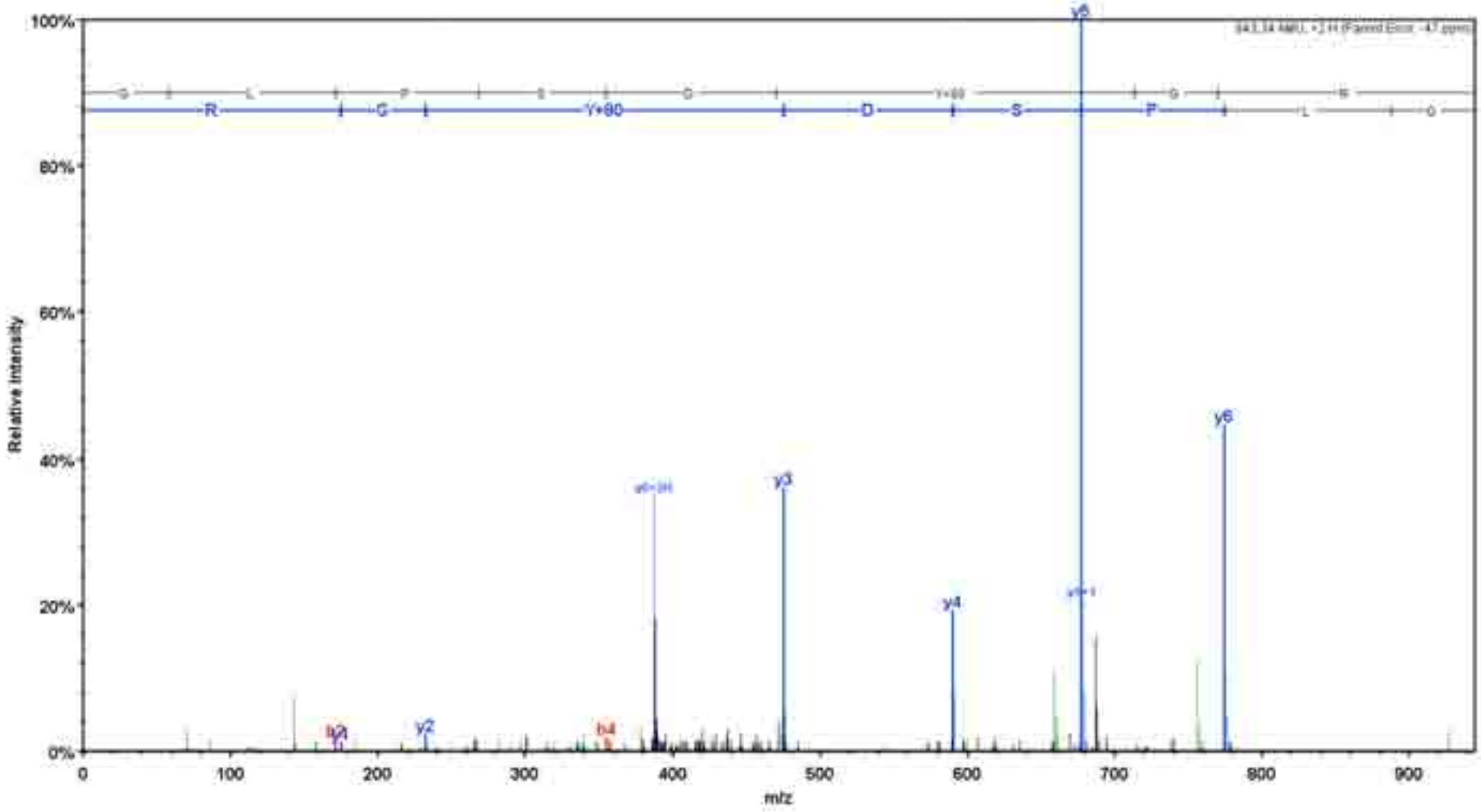
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m/z
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y4
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b4

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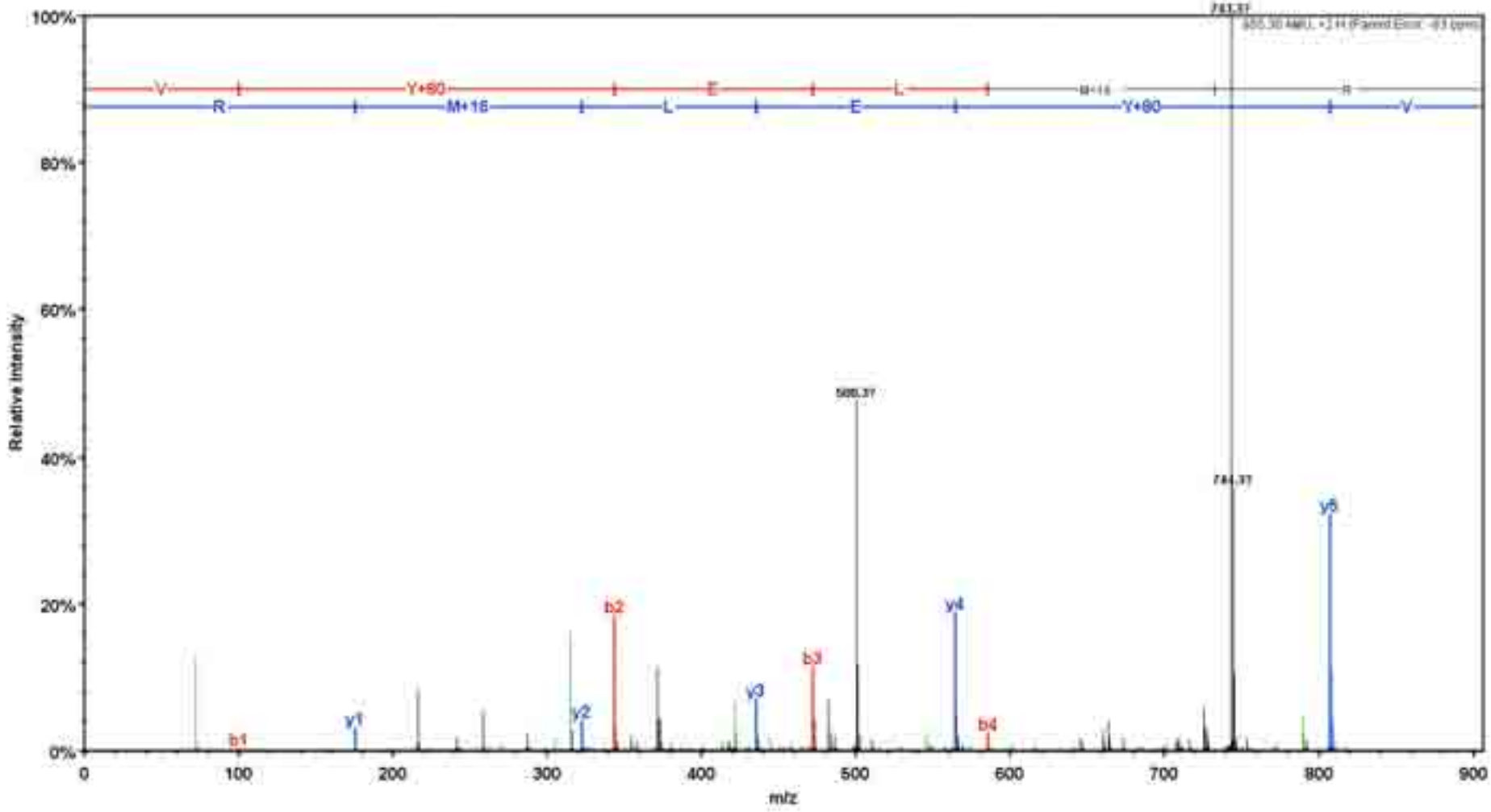
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y1
b2
y2
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m/z

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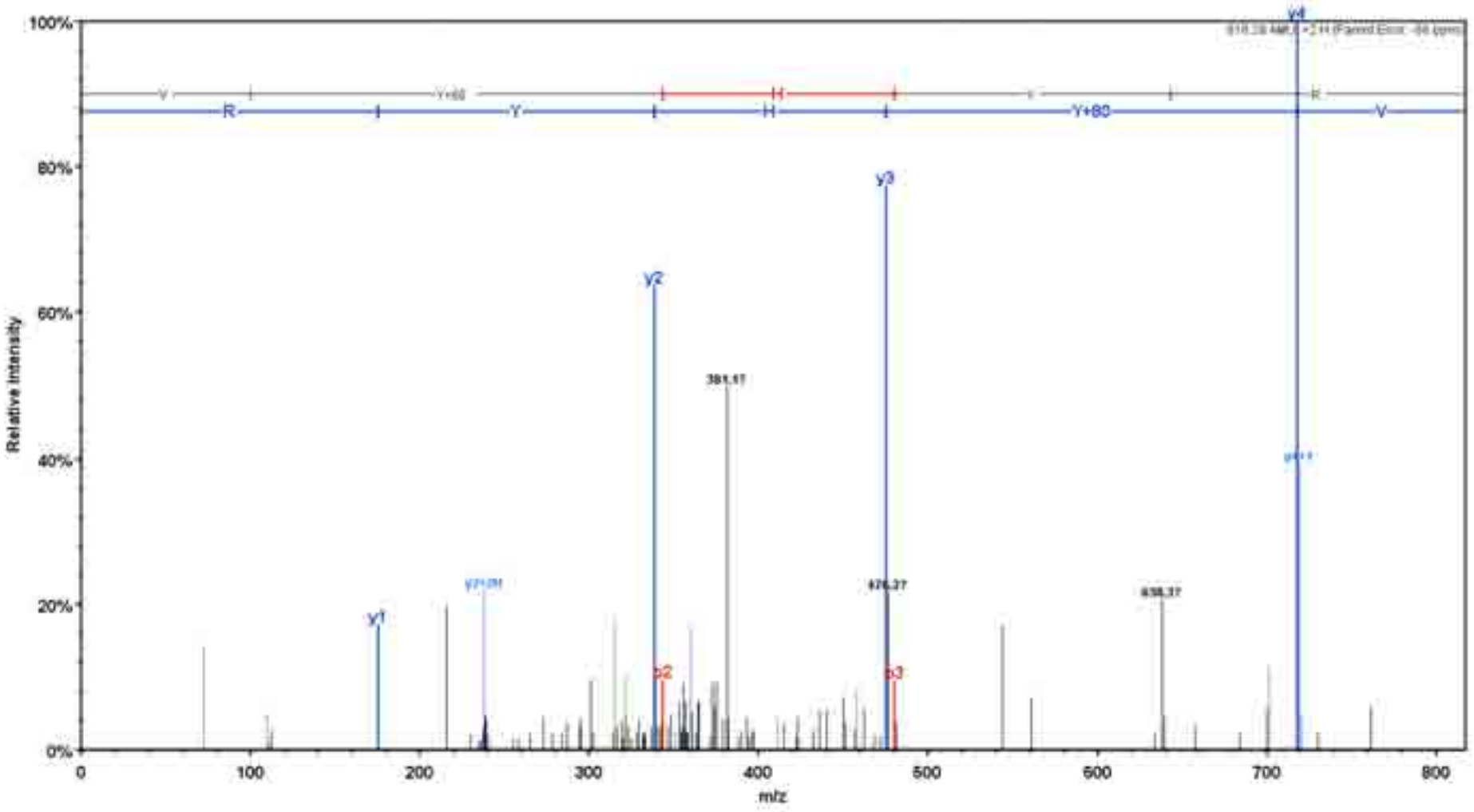
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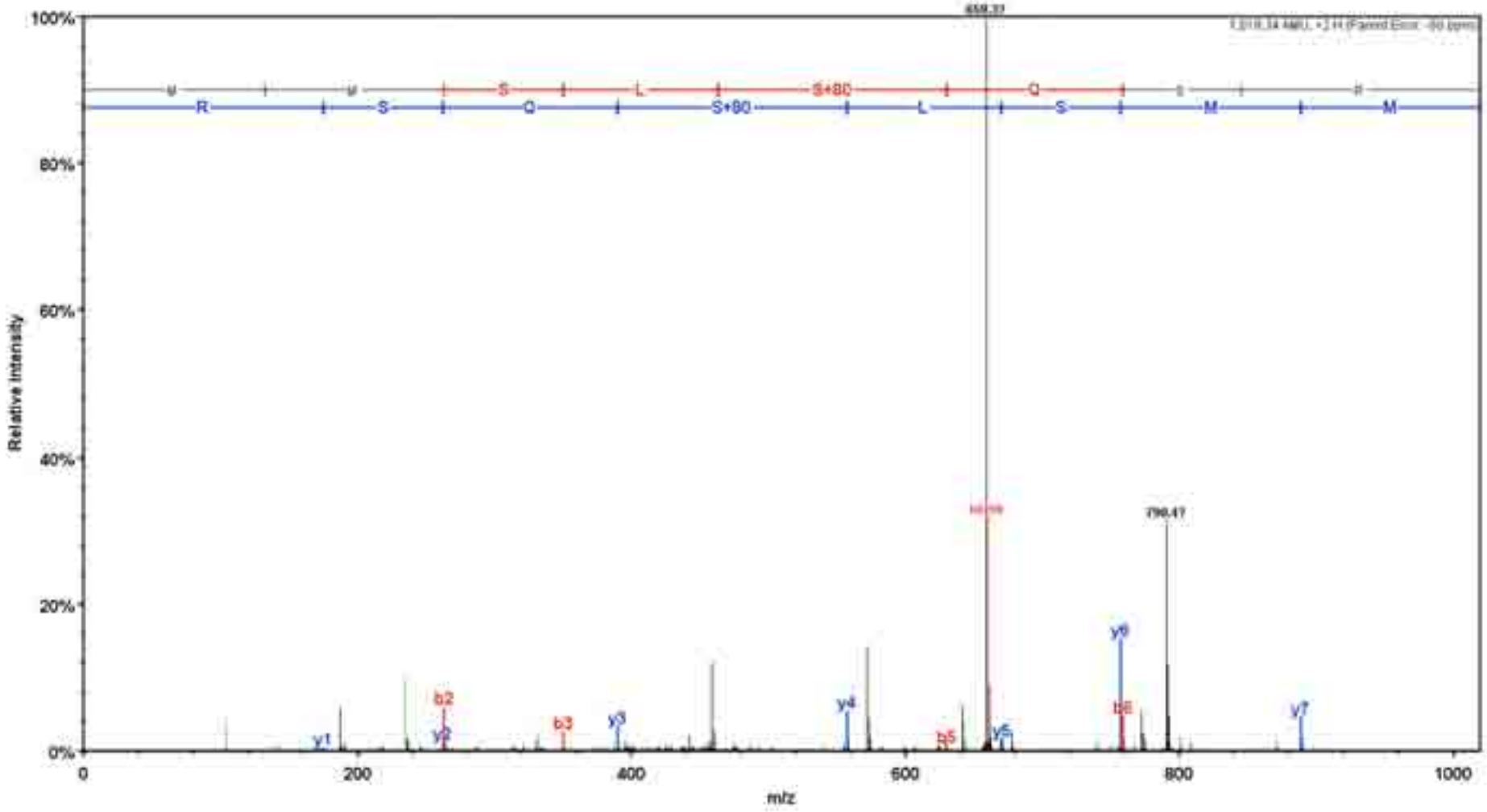
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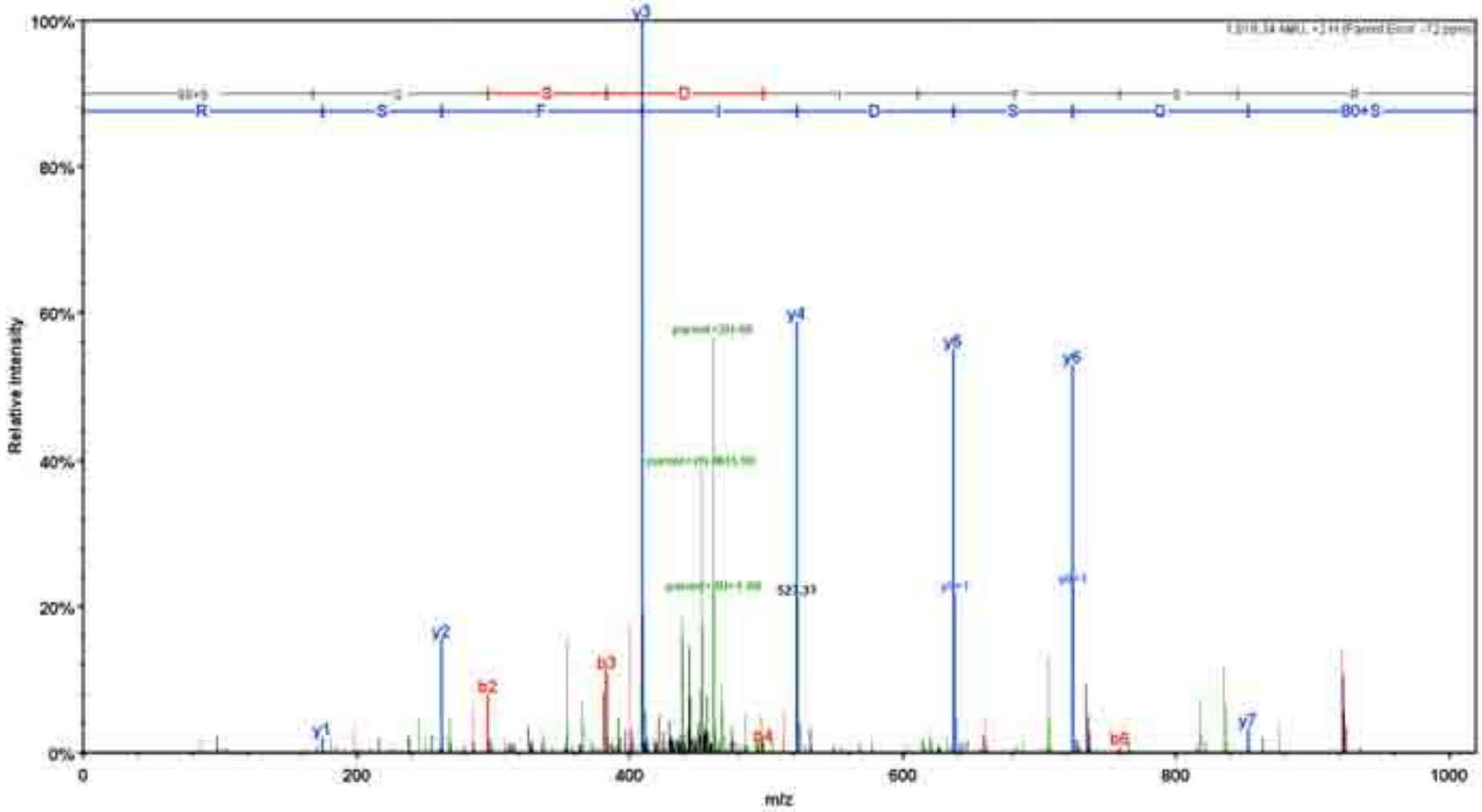
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Q
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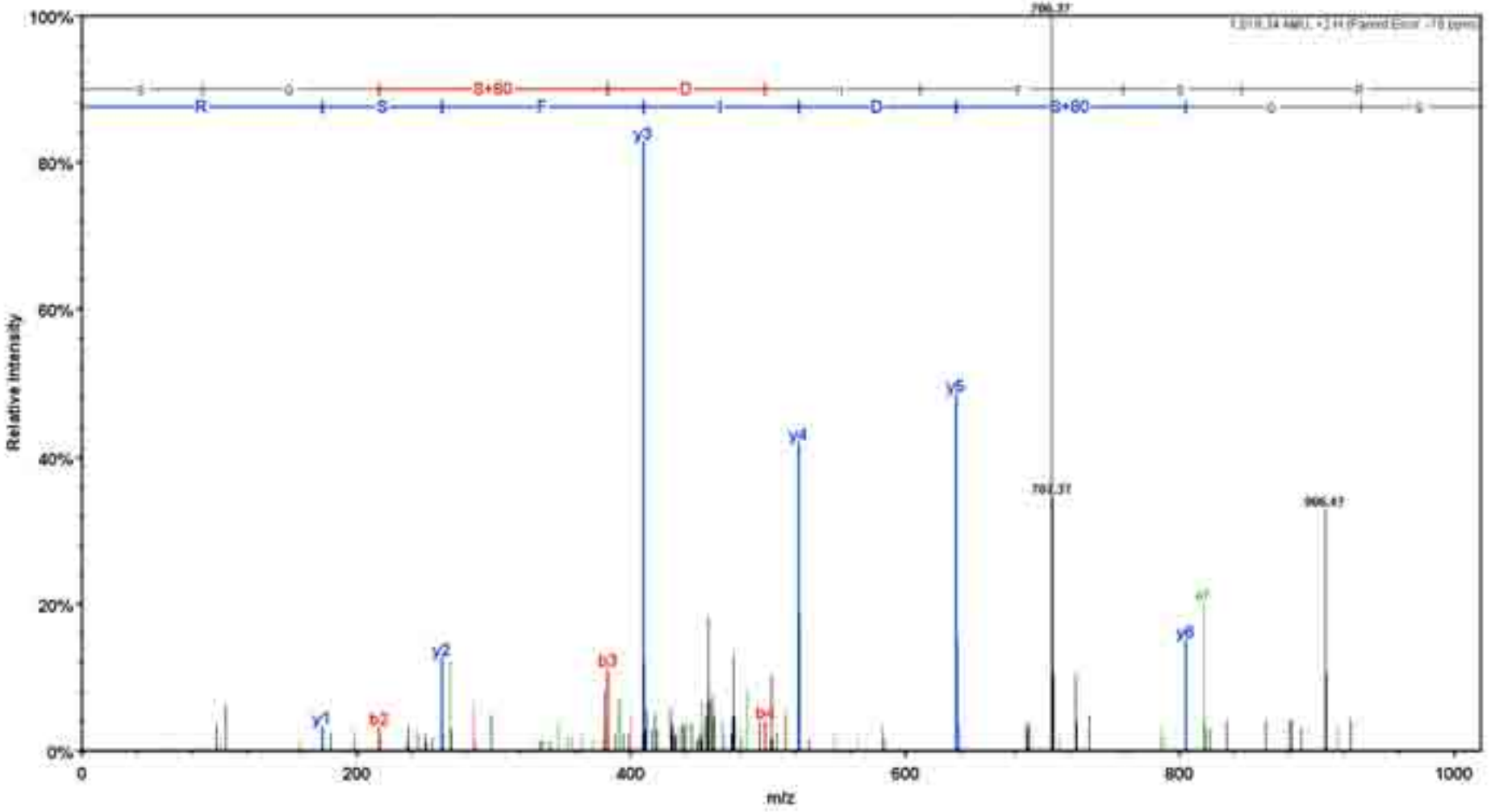
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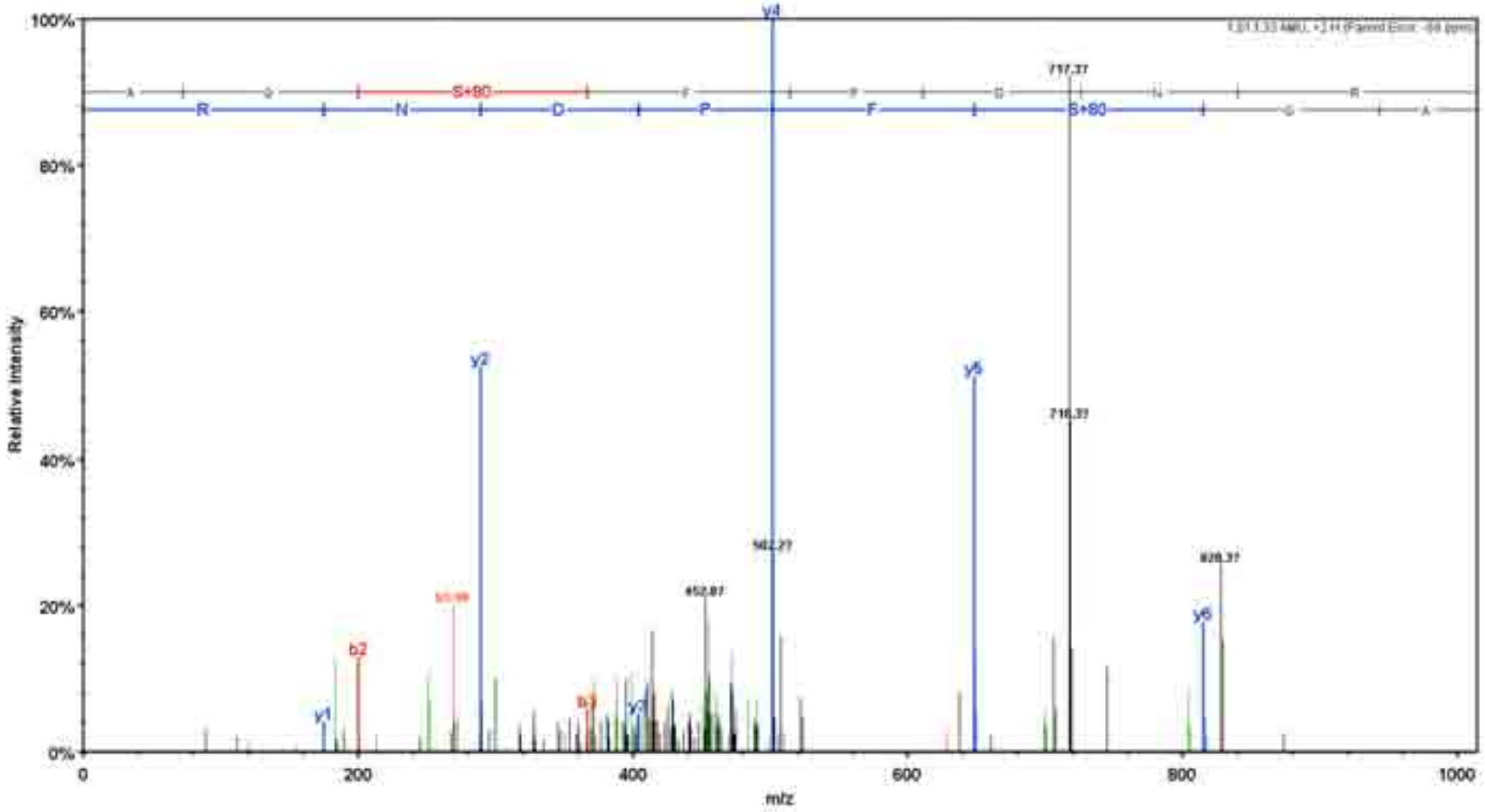
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P
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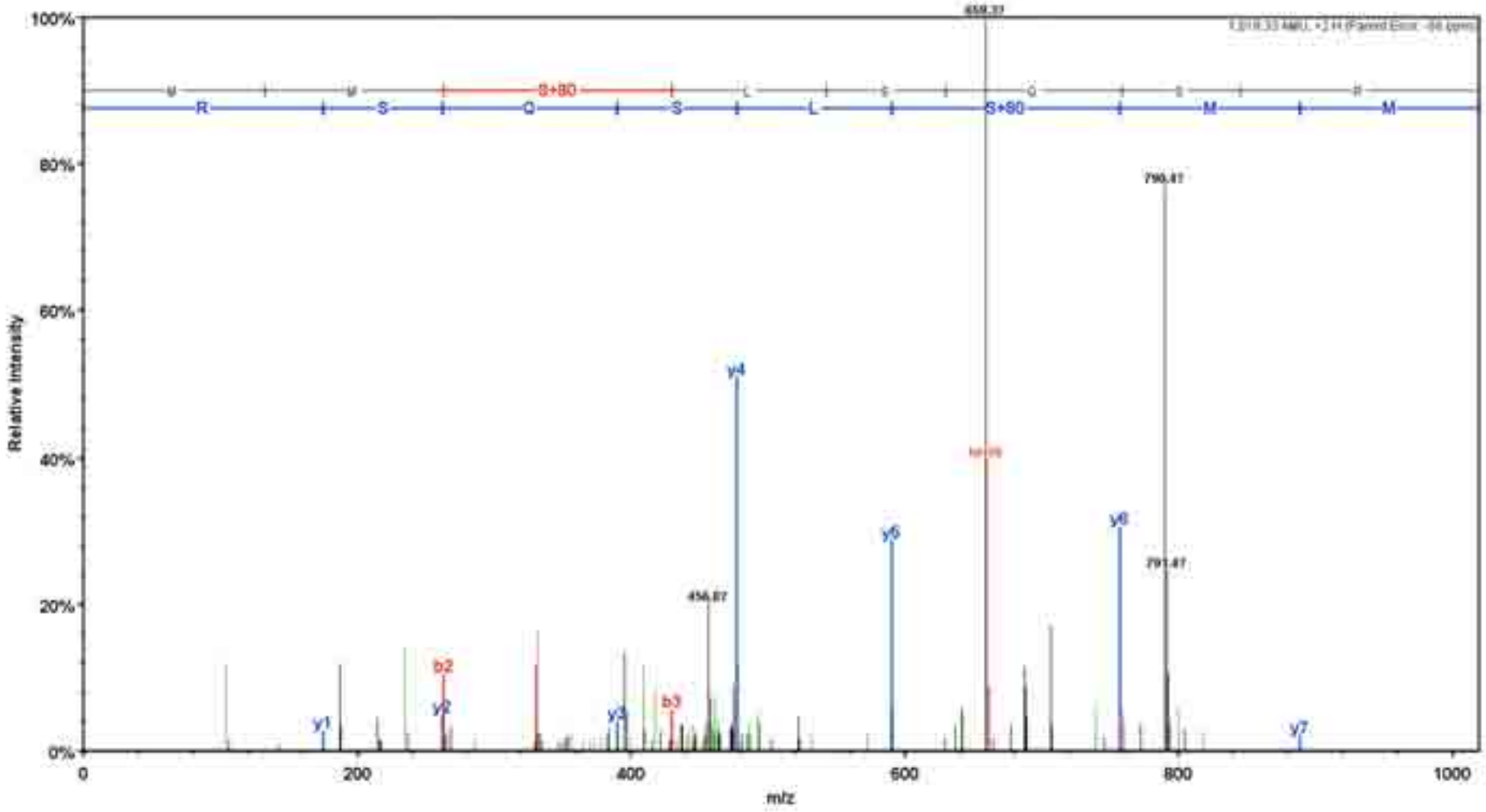
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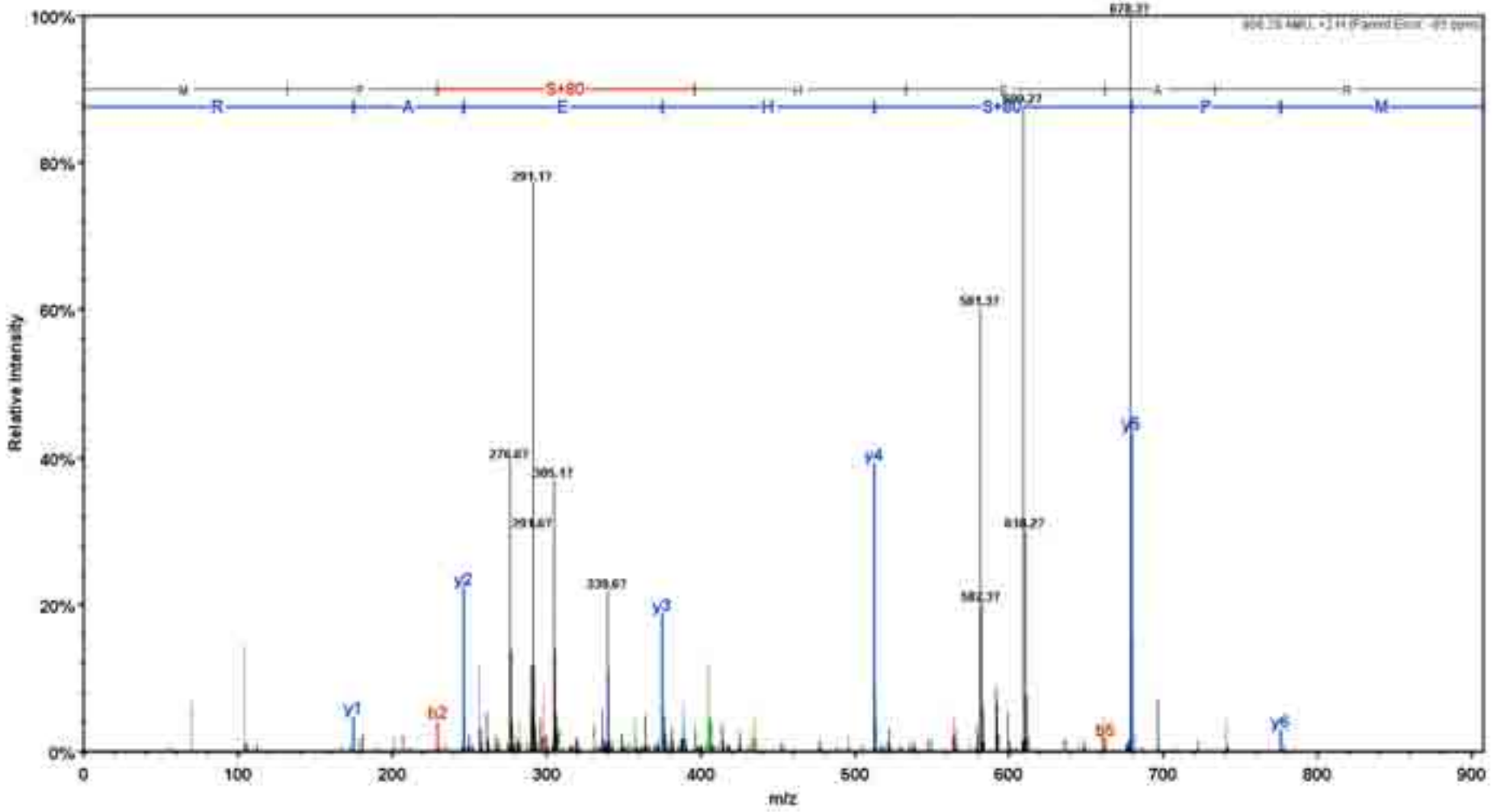
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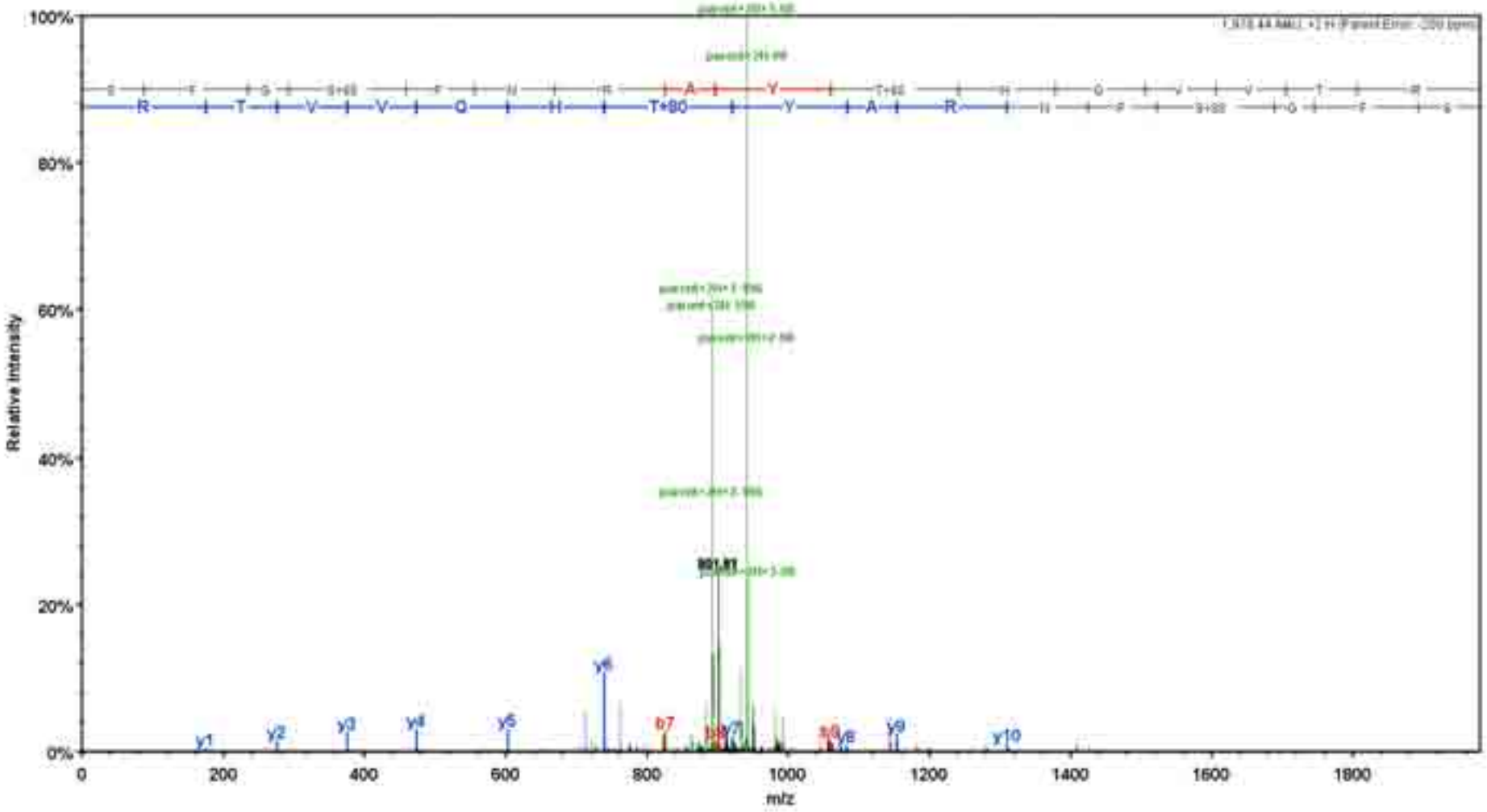

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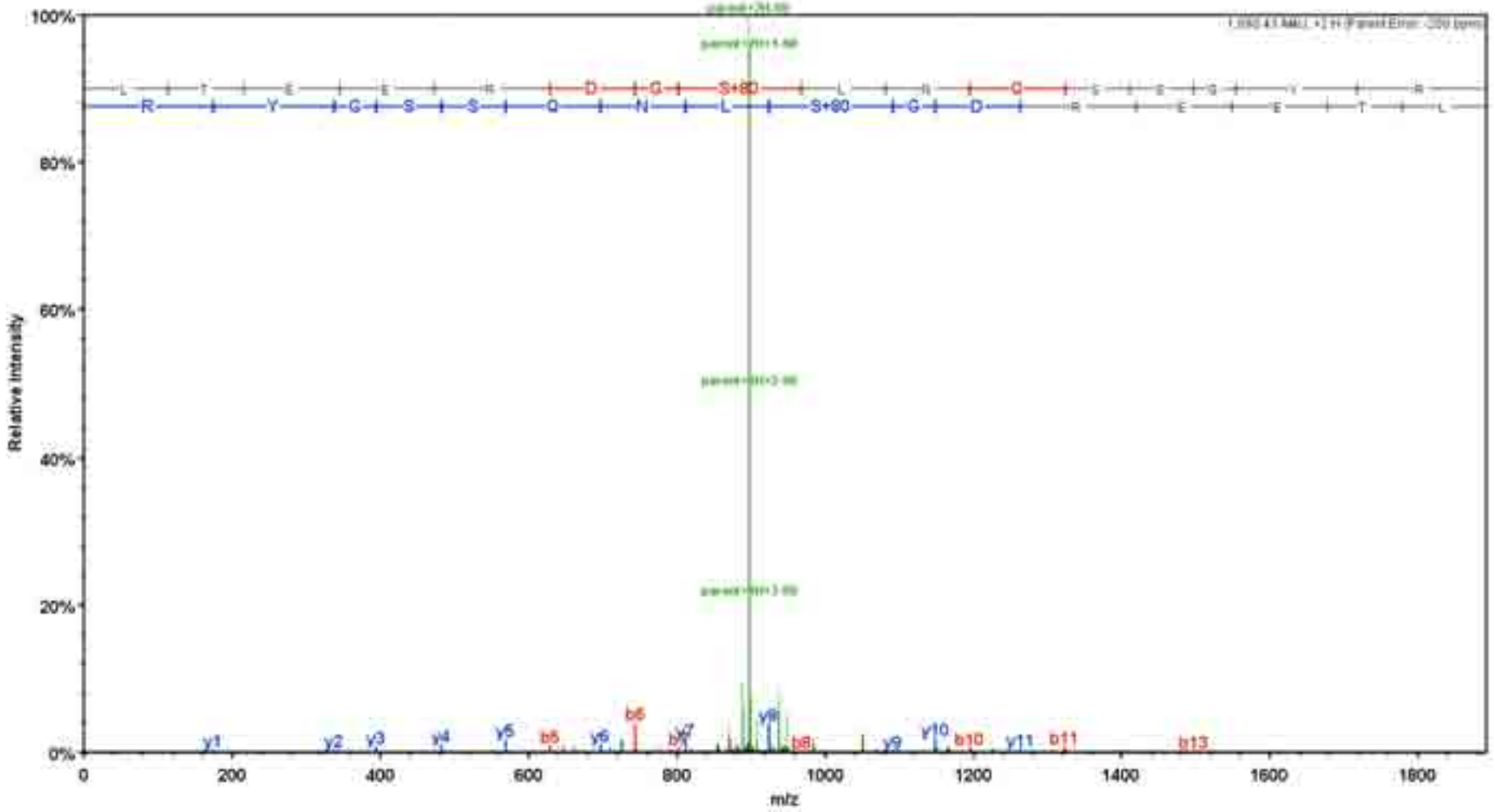

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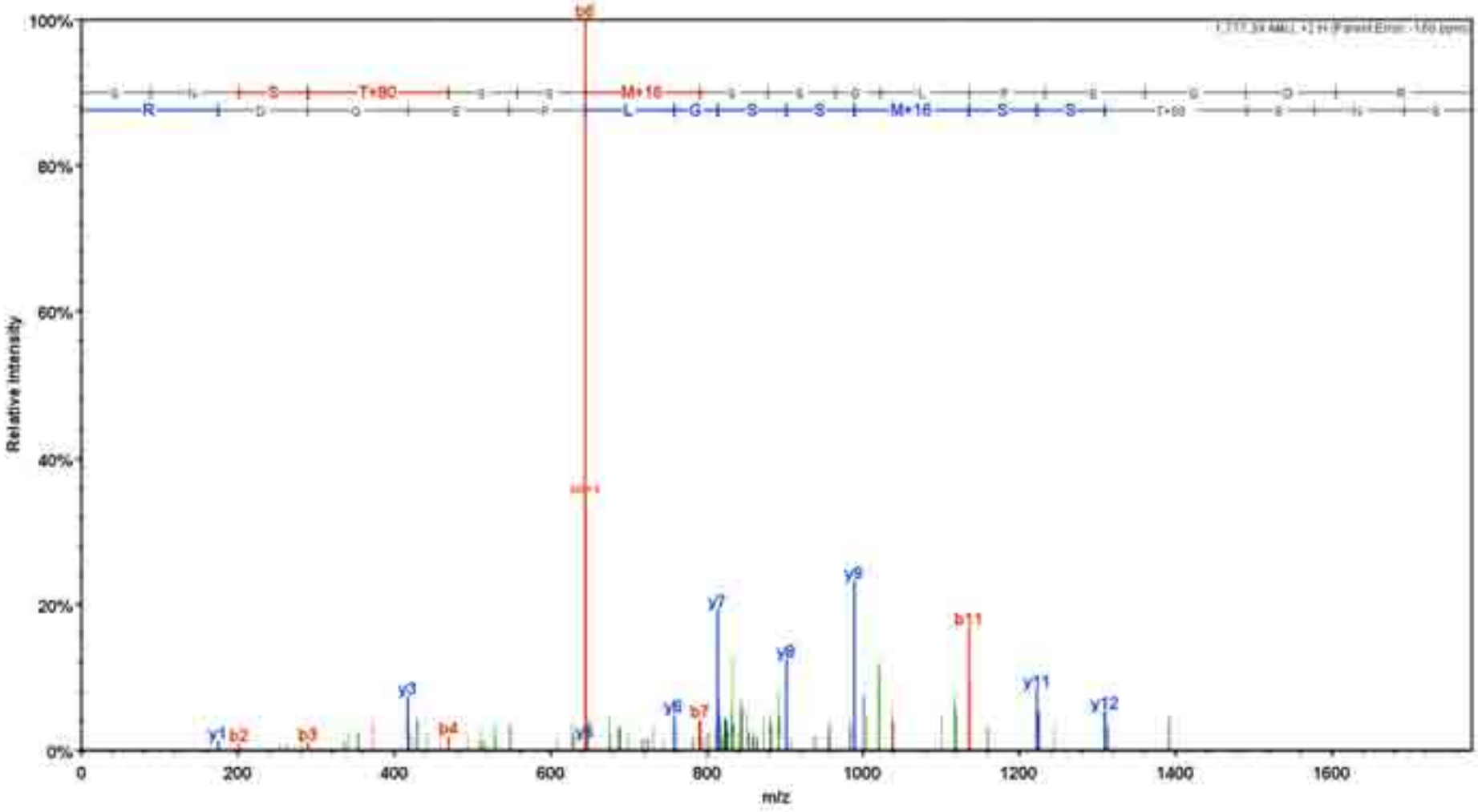

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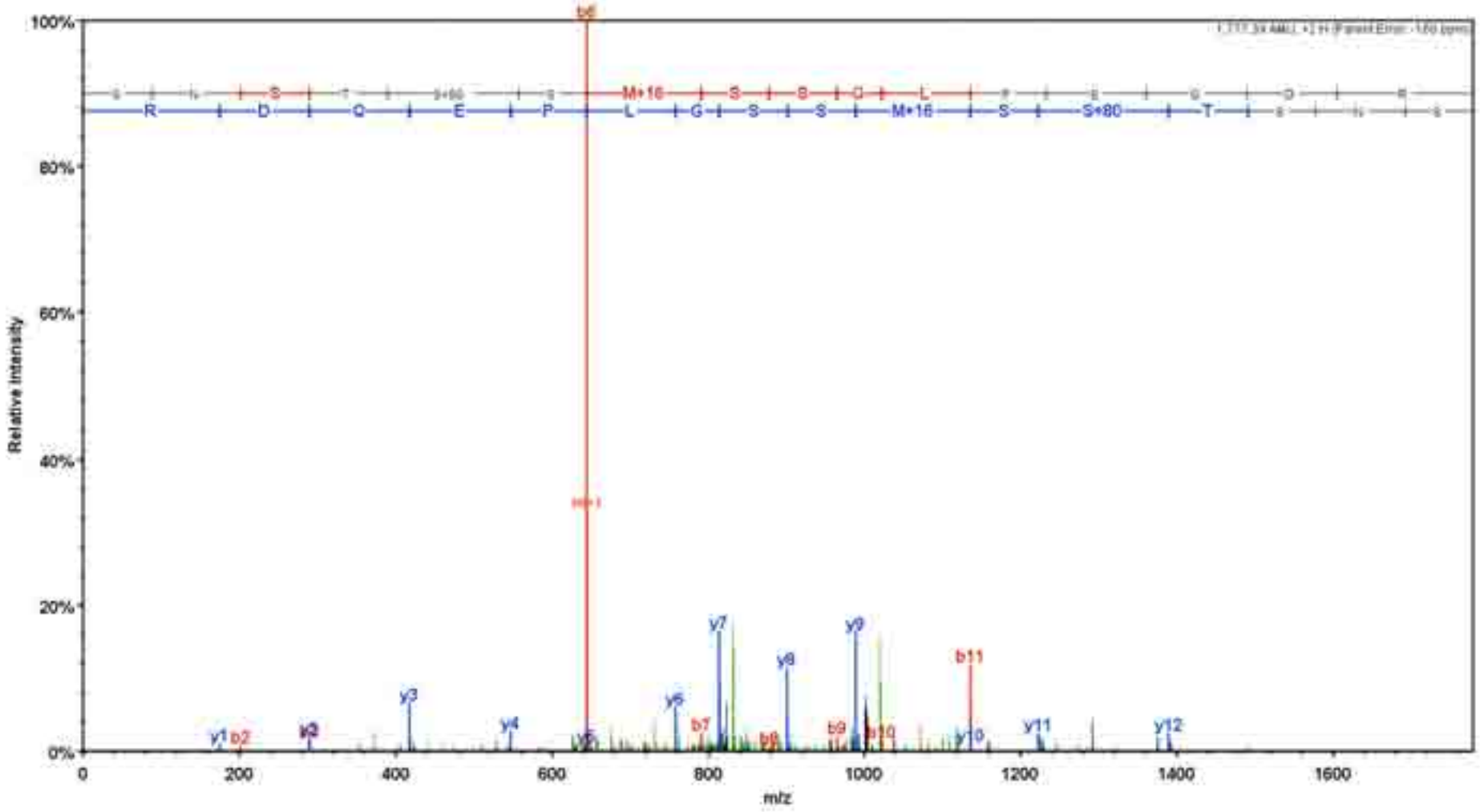

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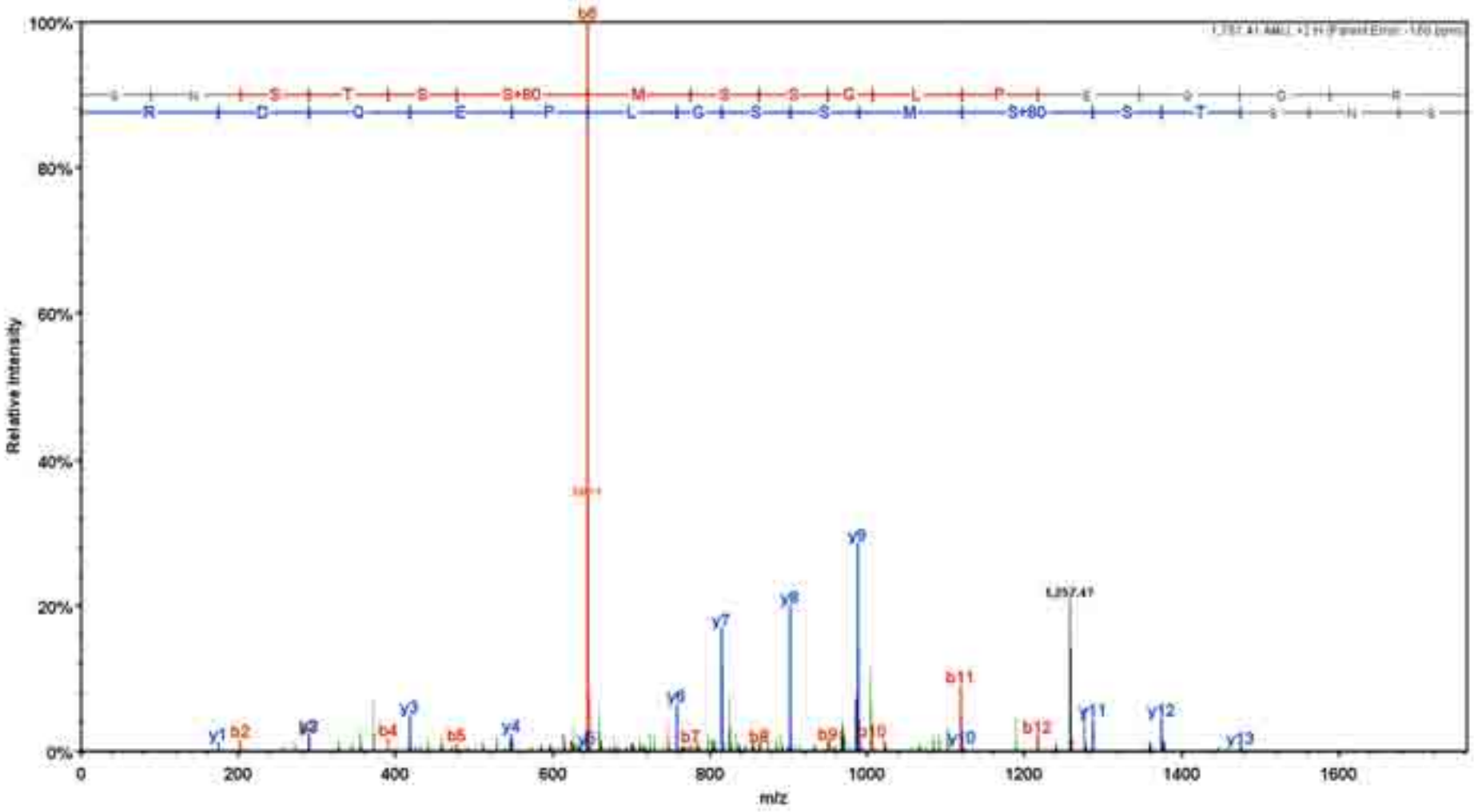

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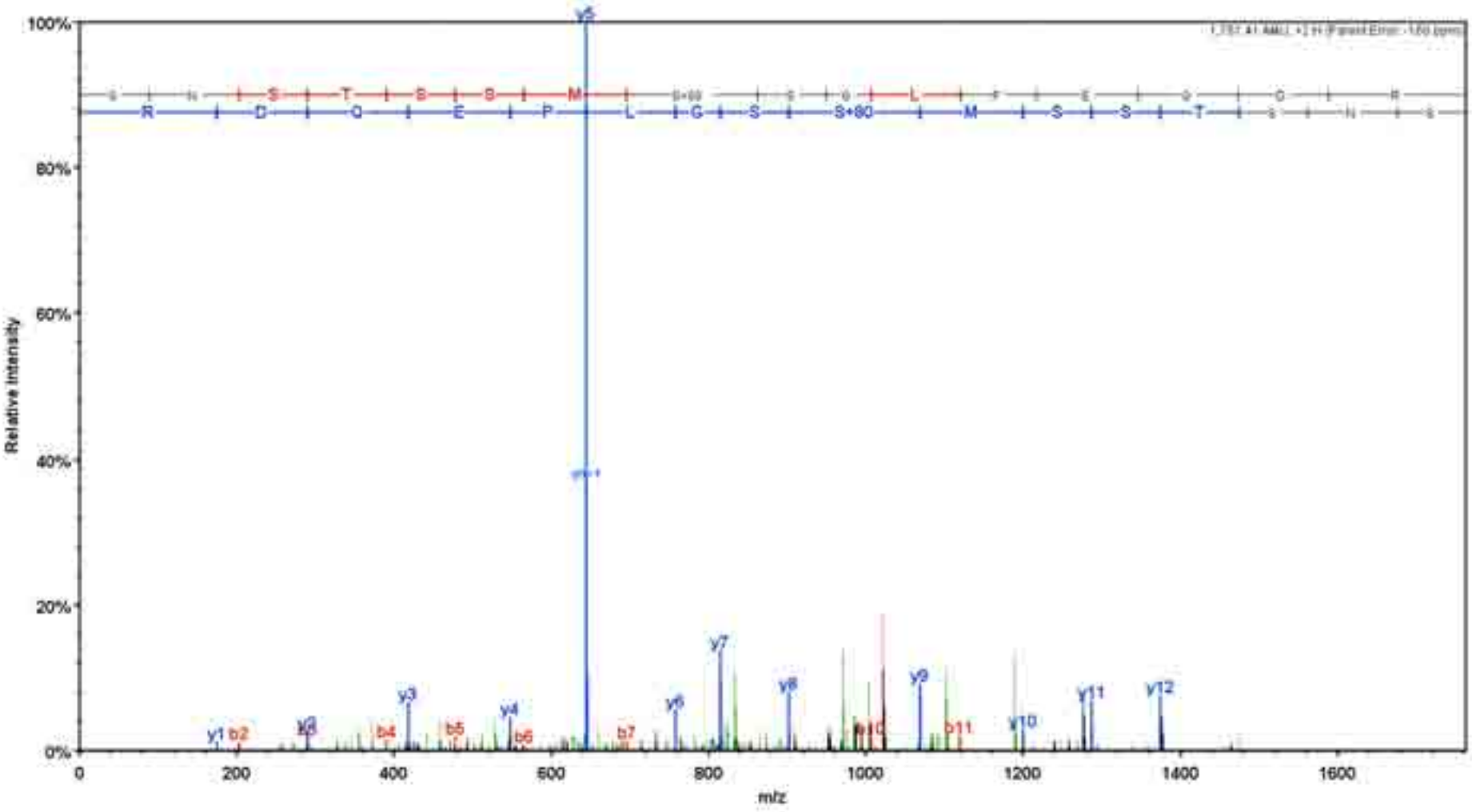

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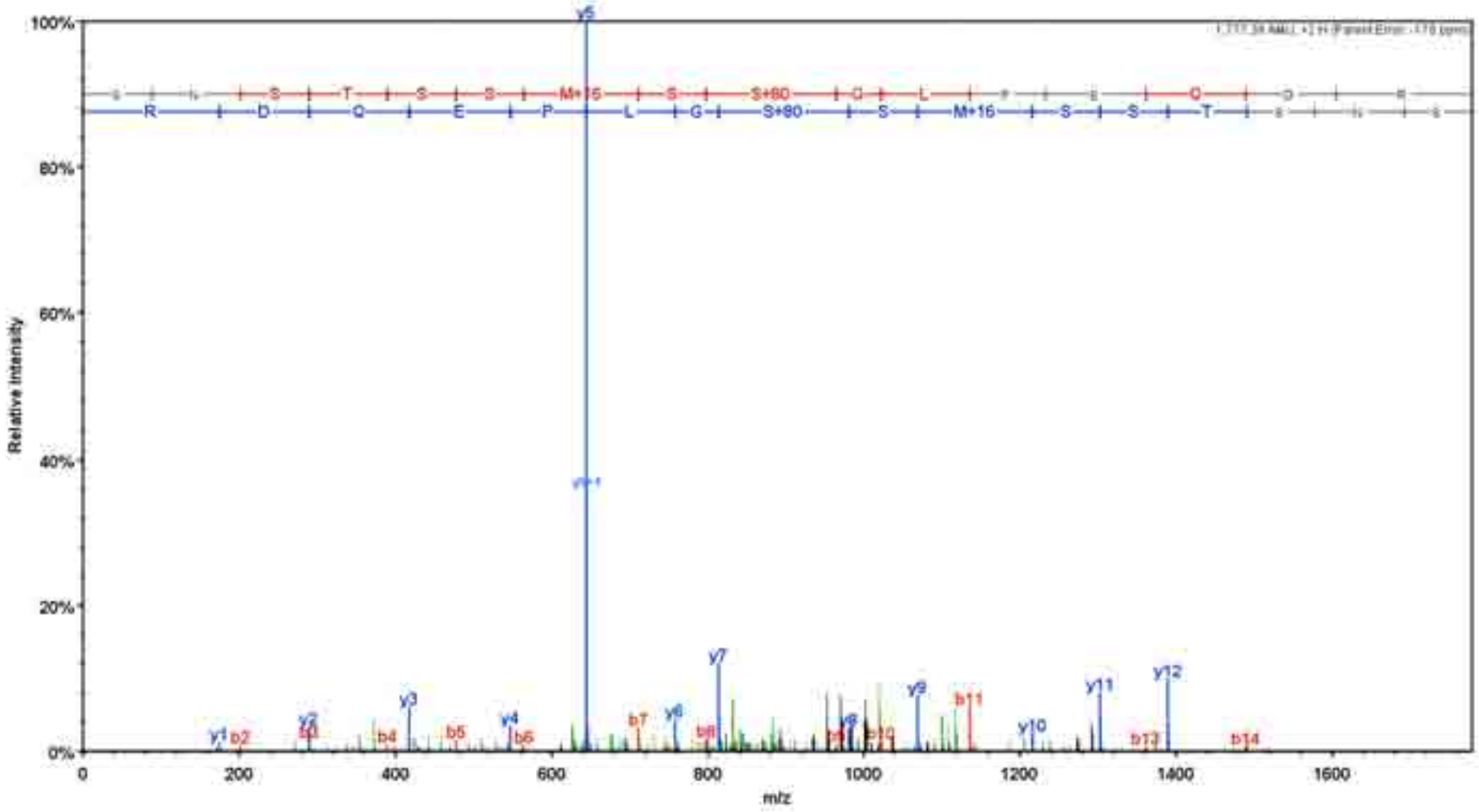

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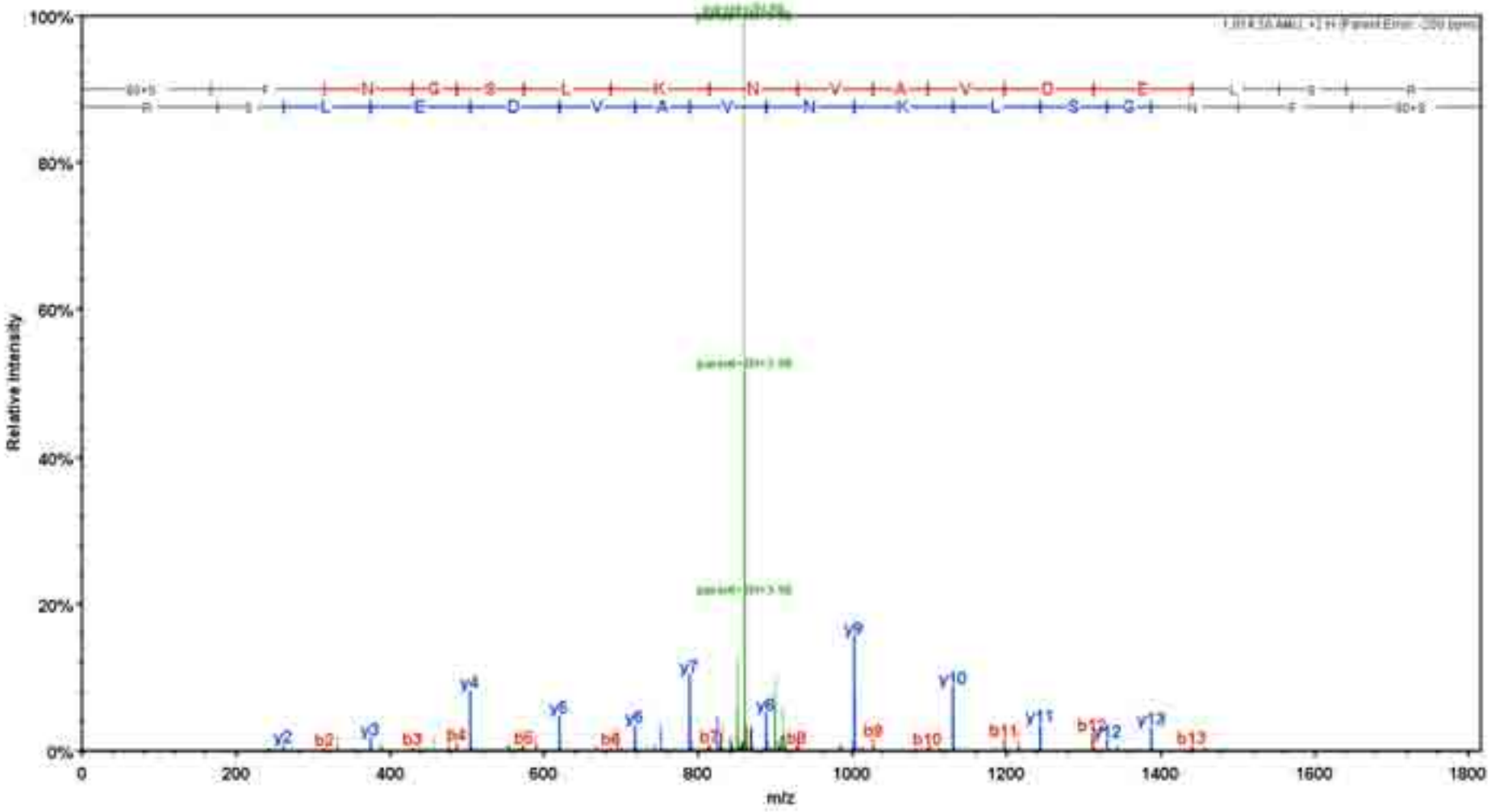

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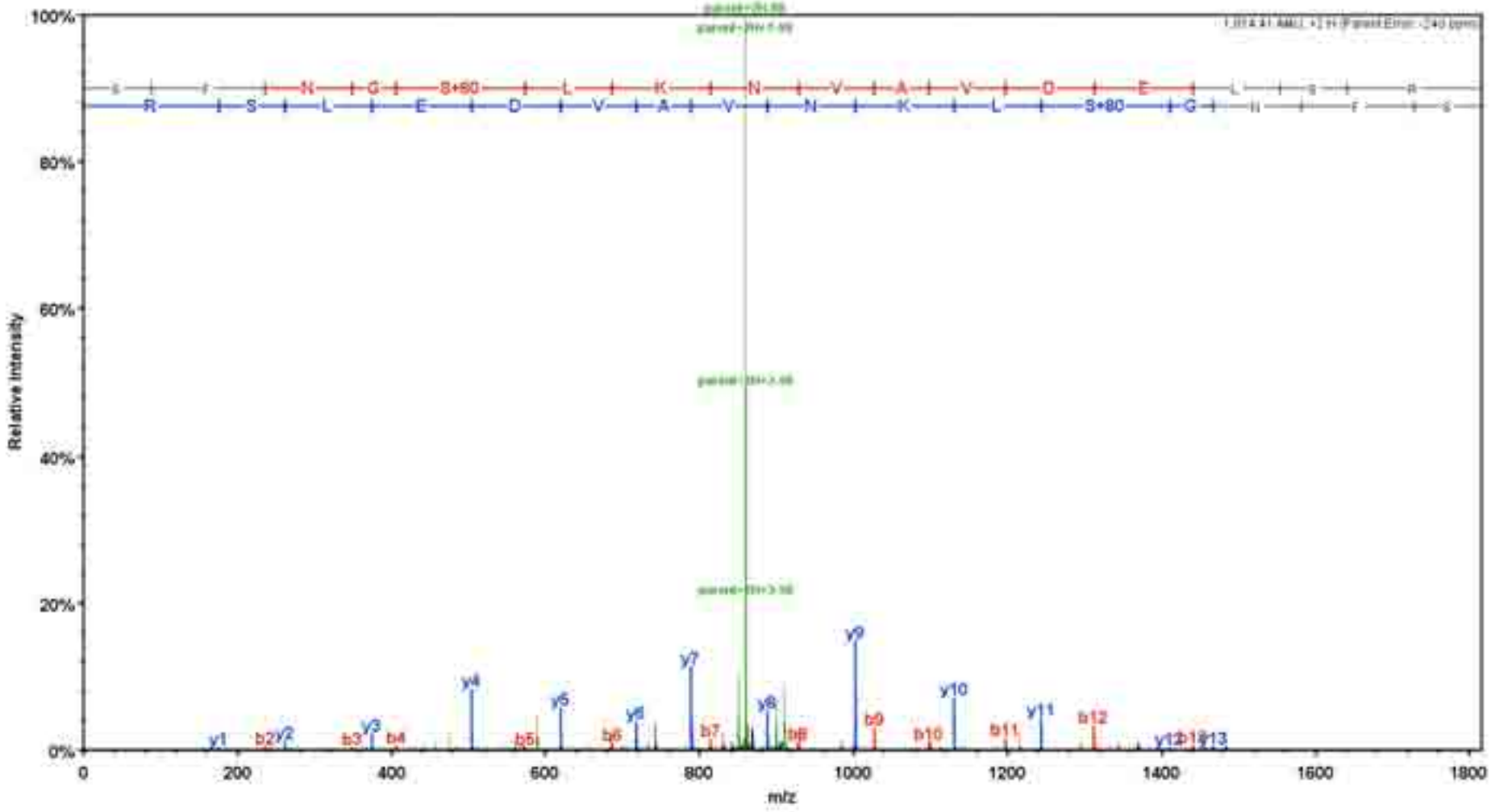

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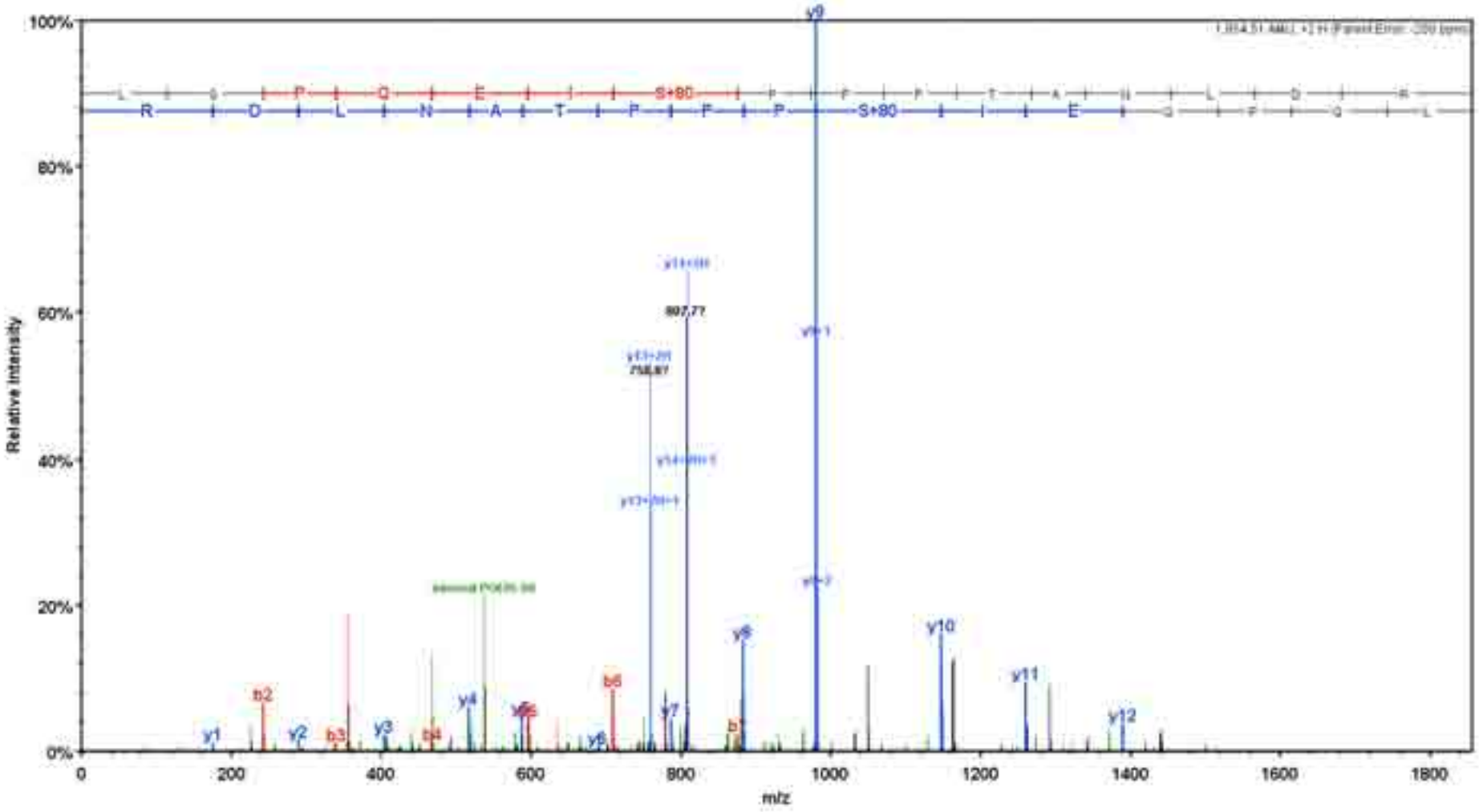

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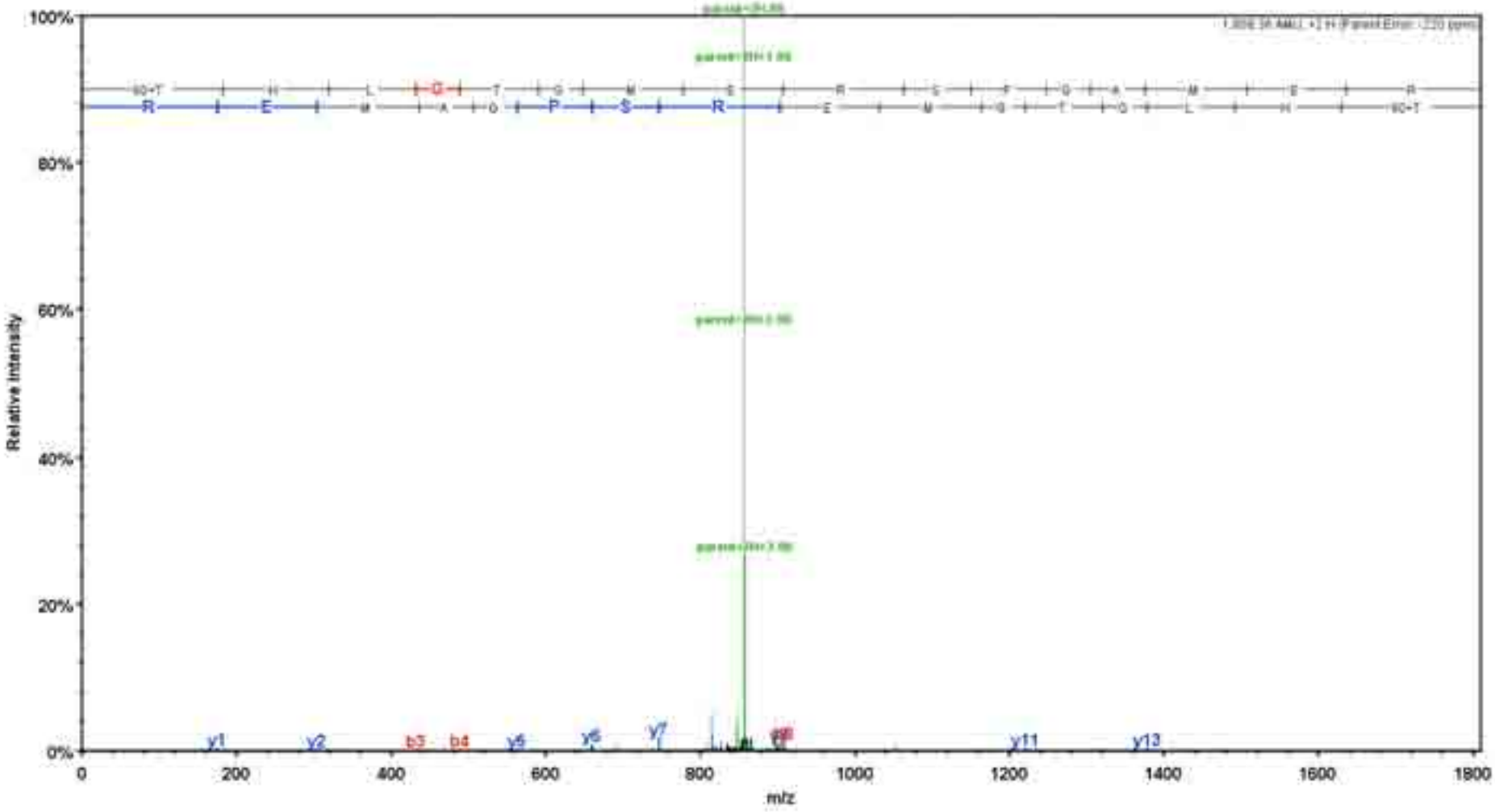

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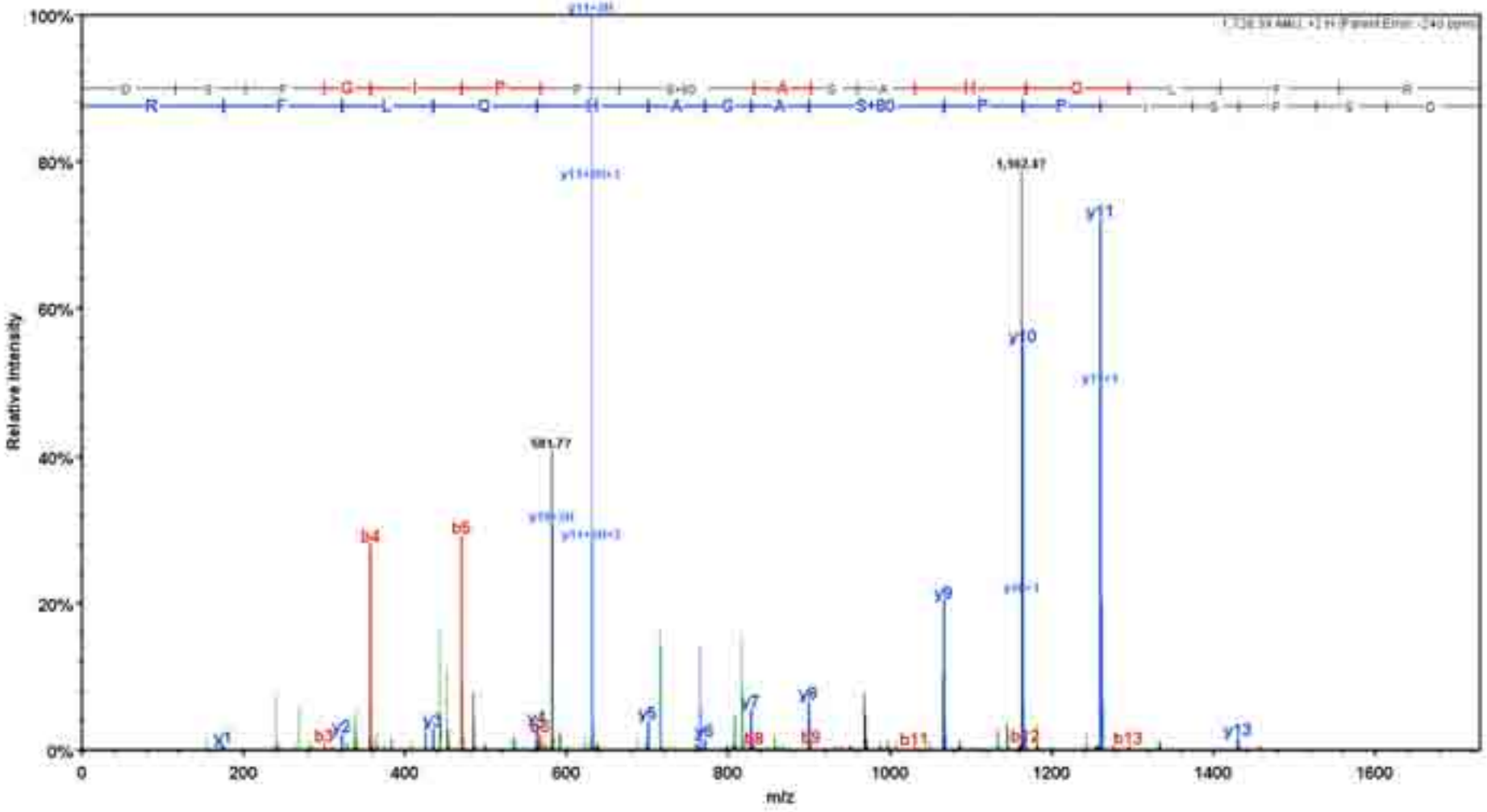

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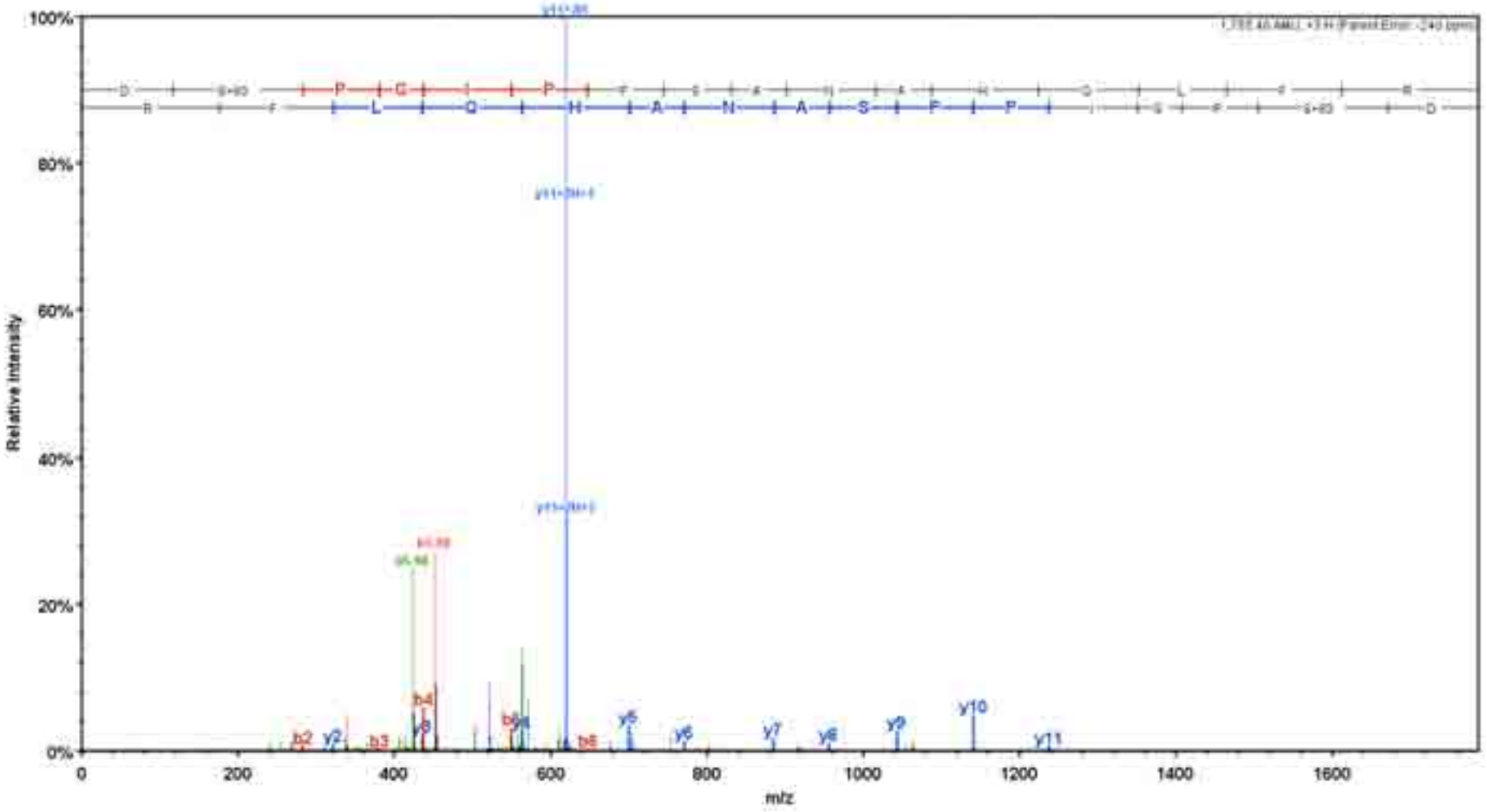

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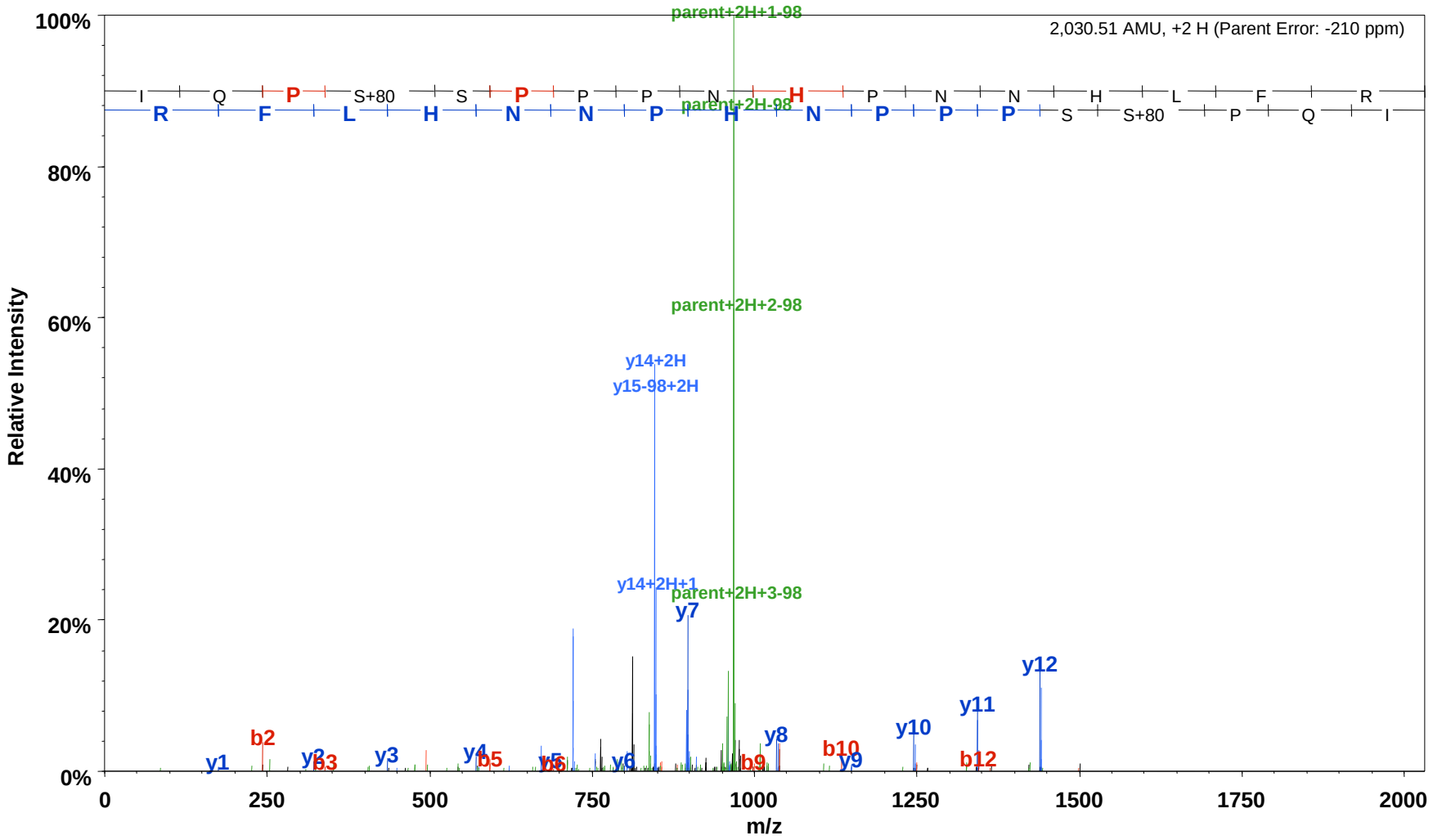

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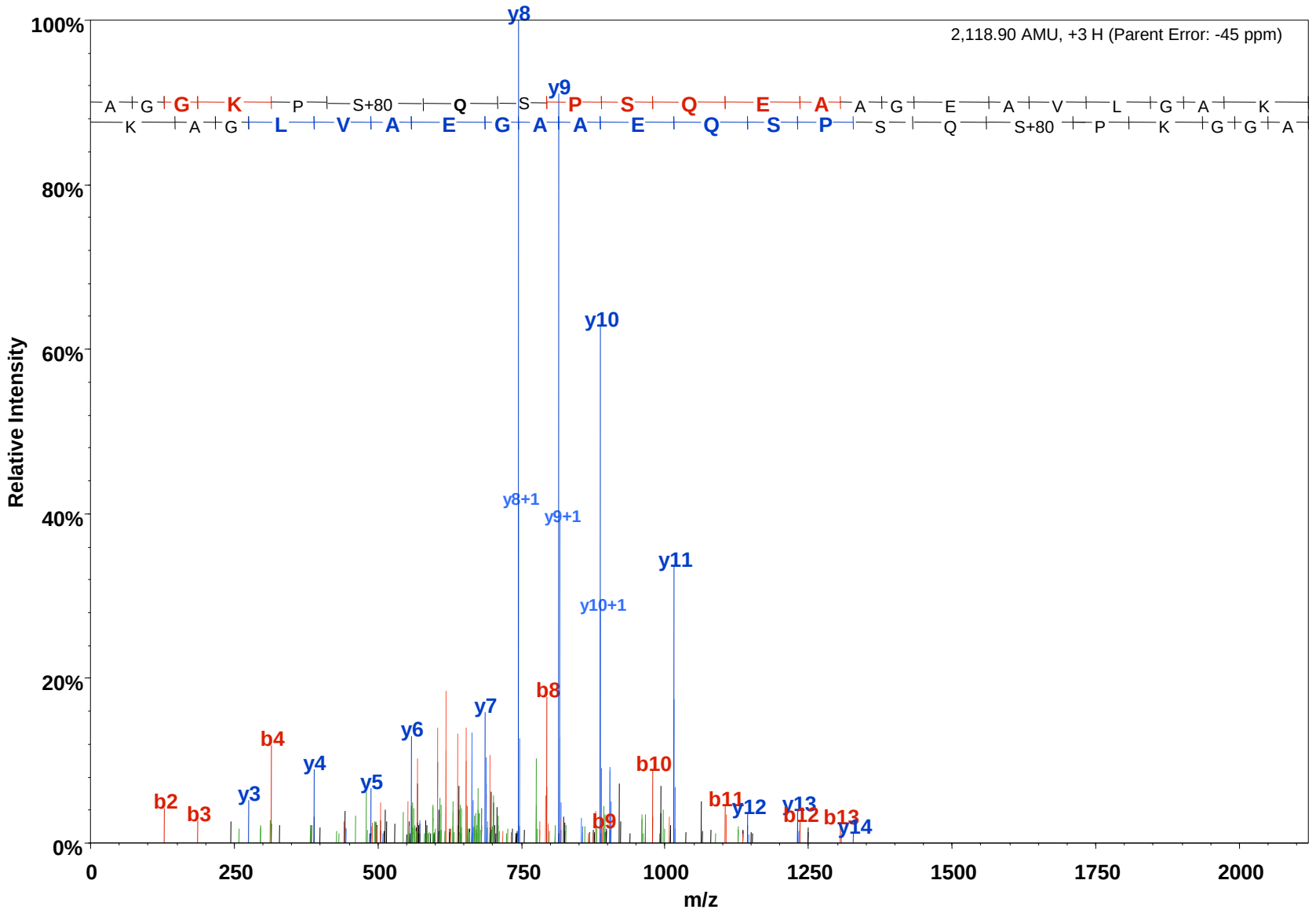

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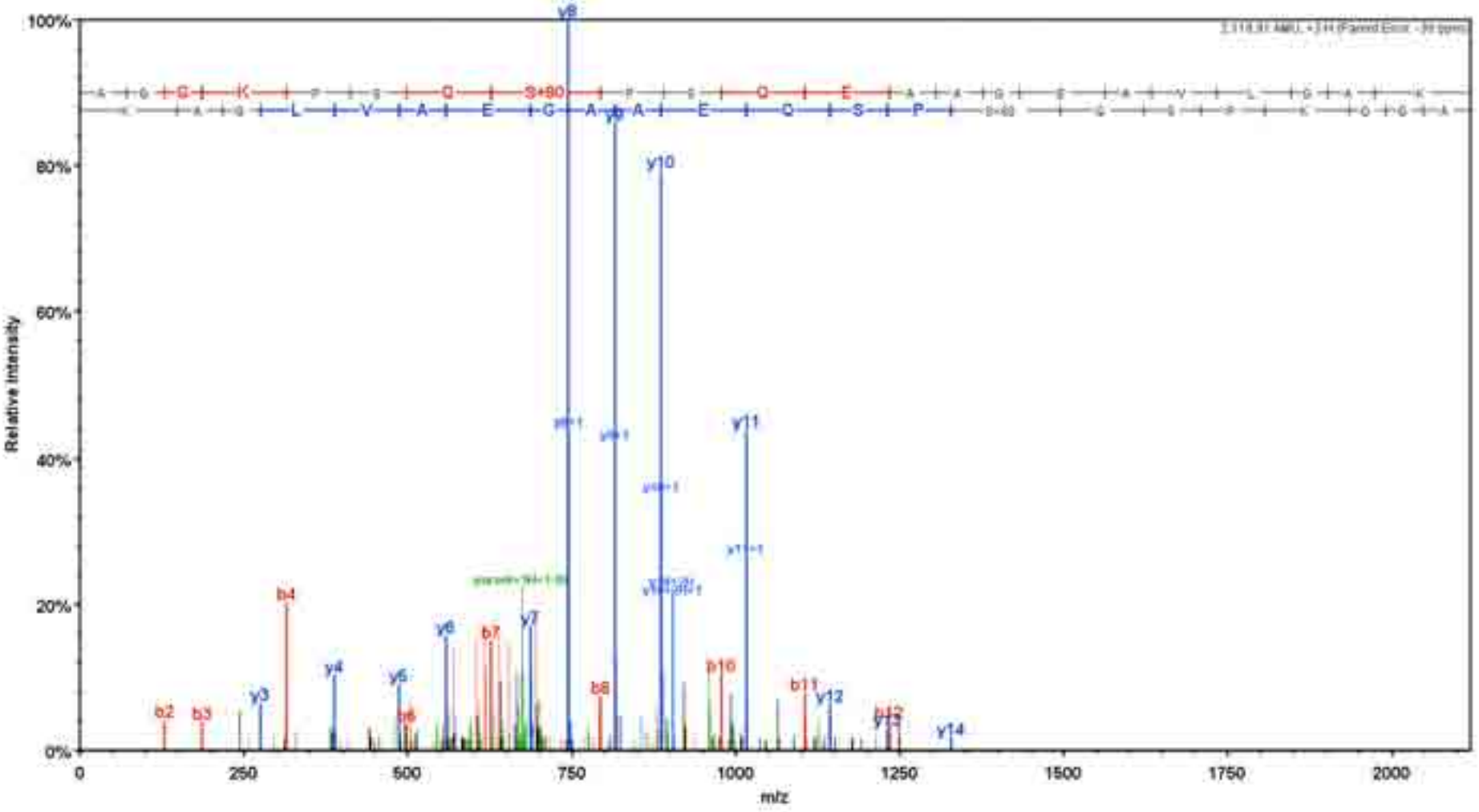

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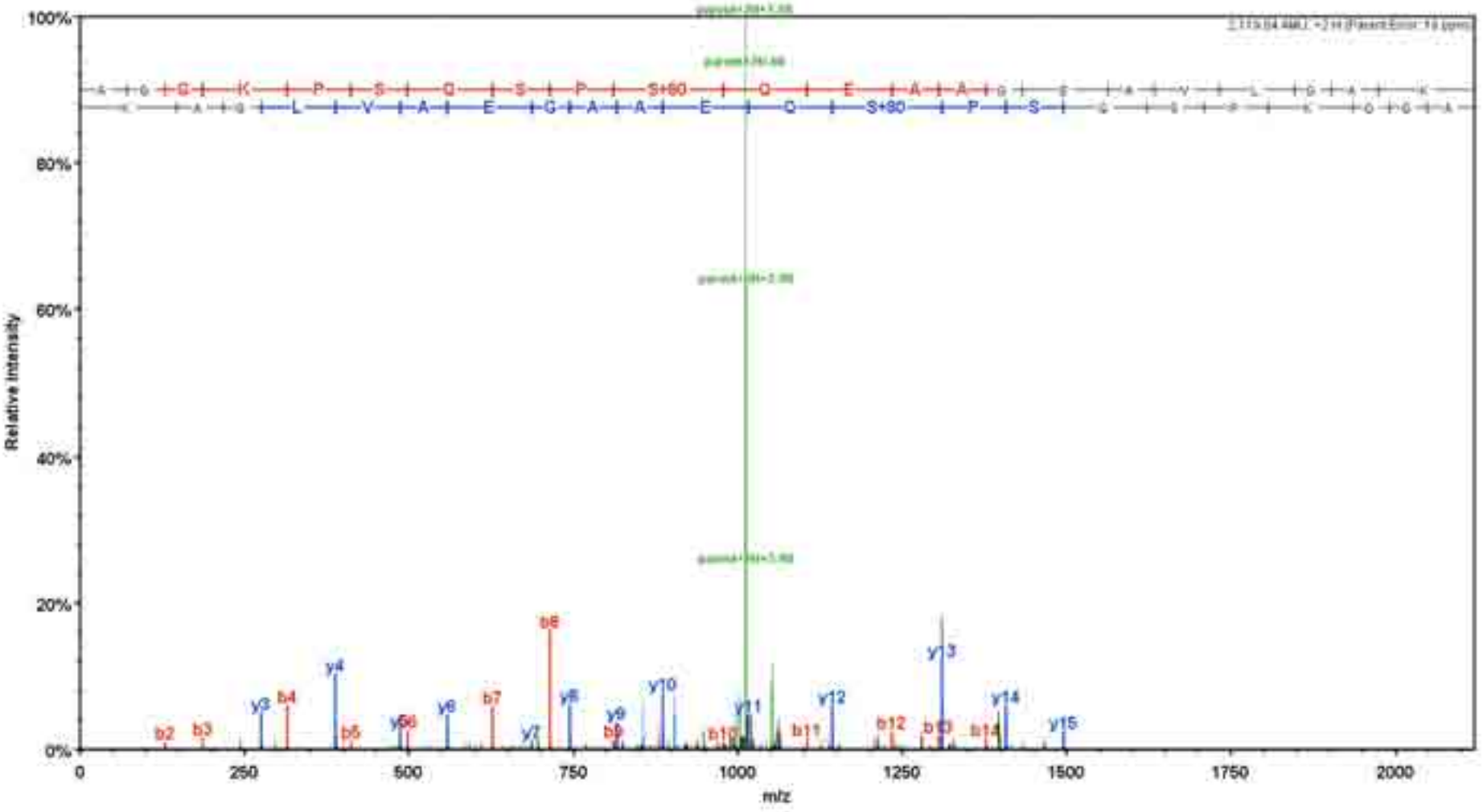

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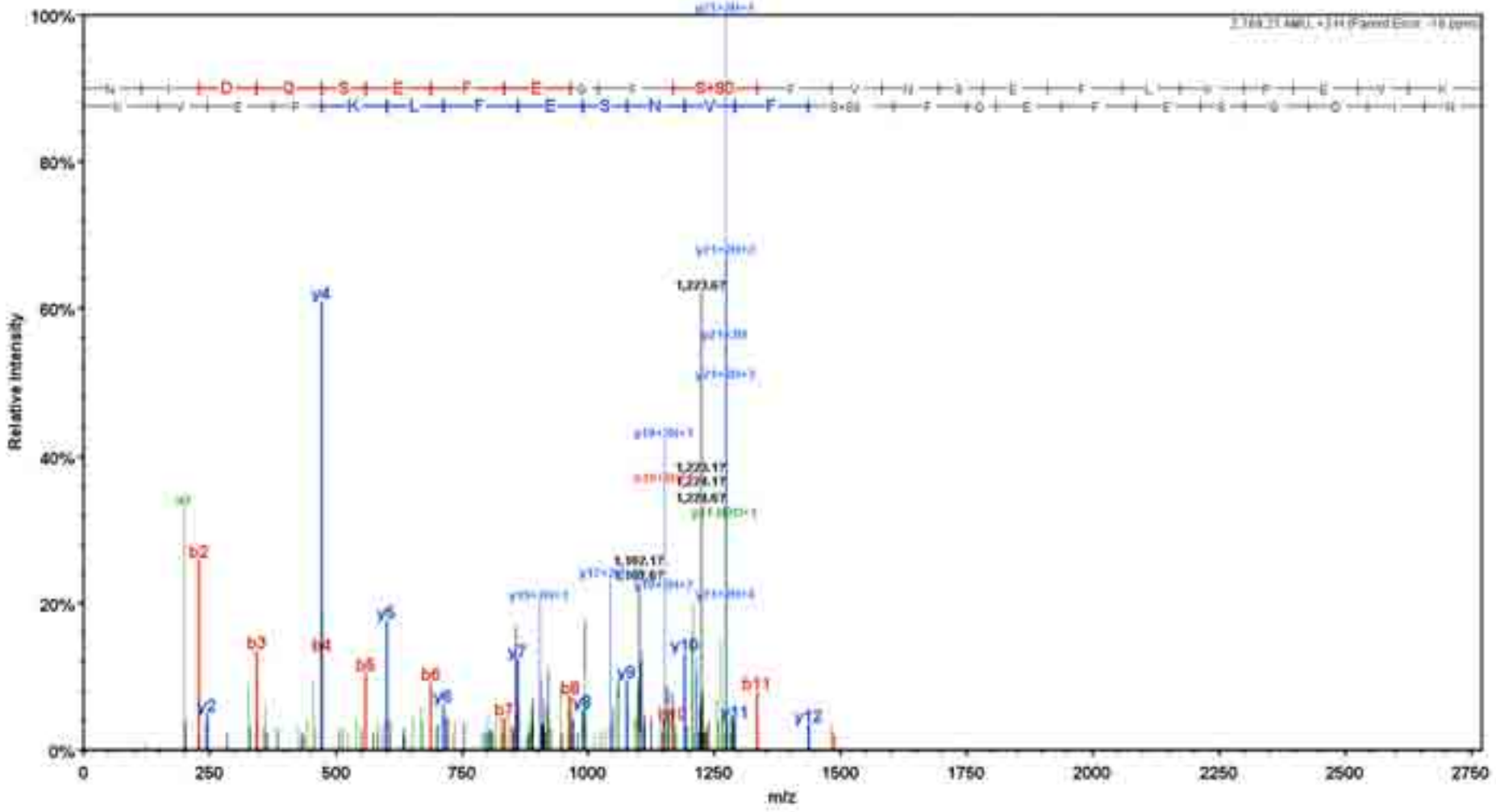

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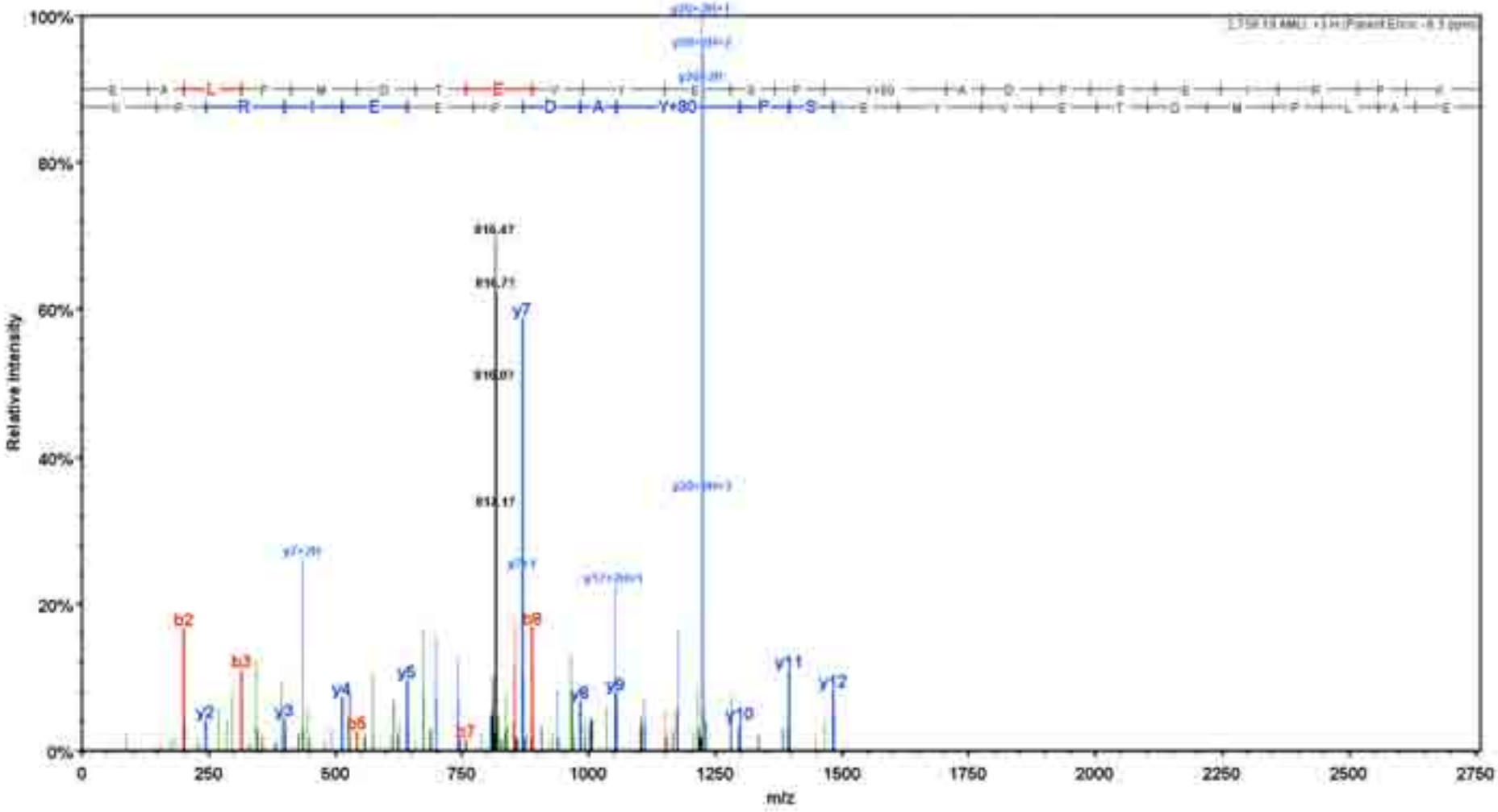

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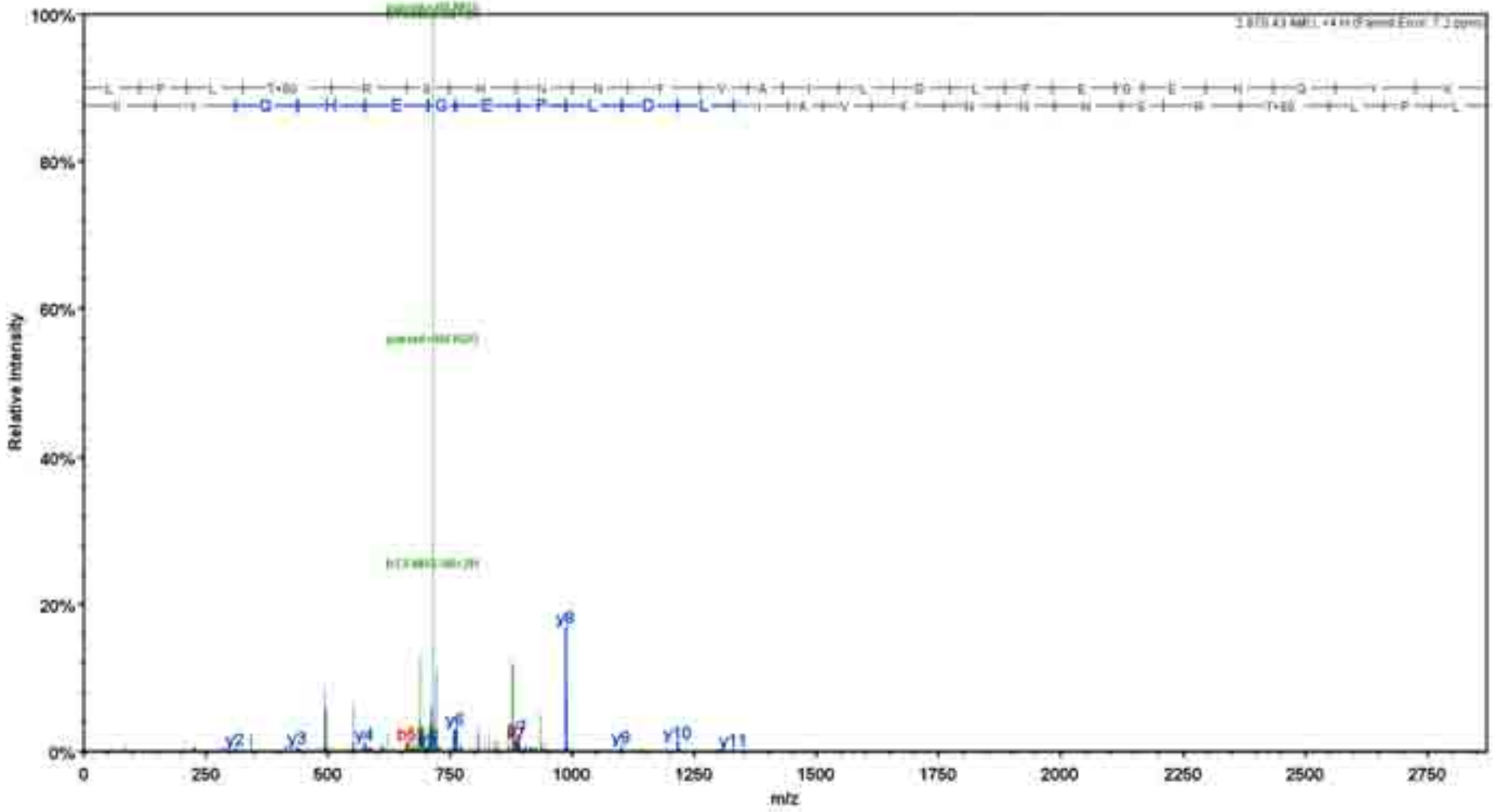

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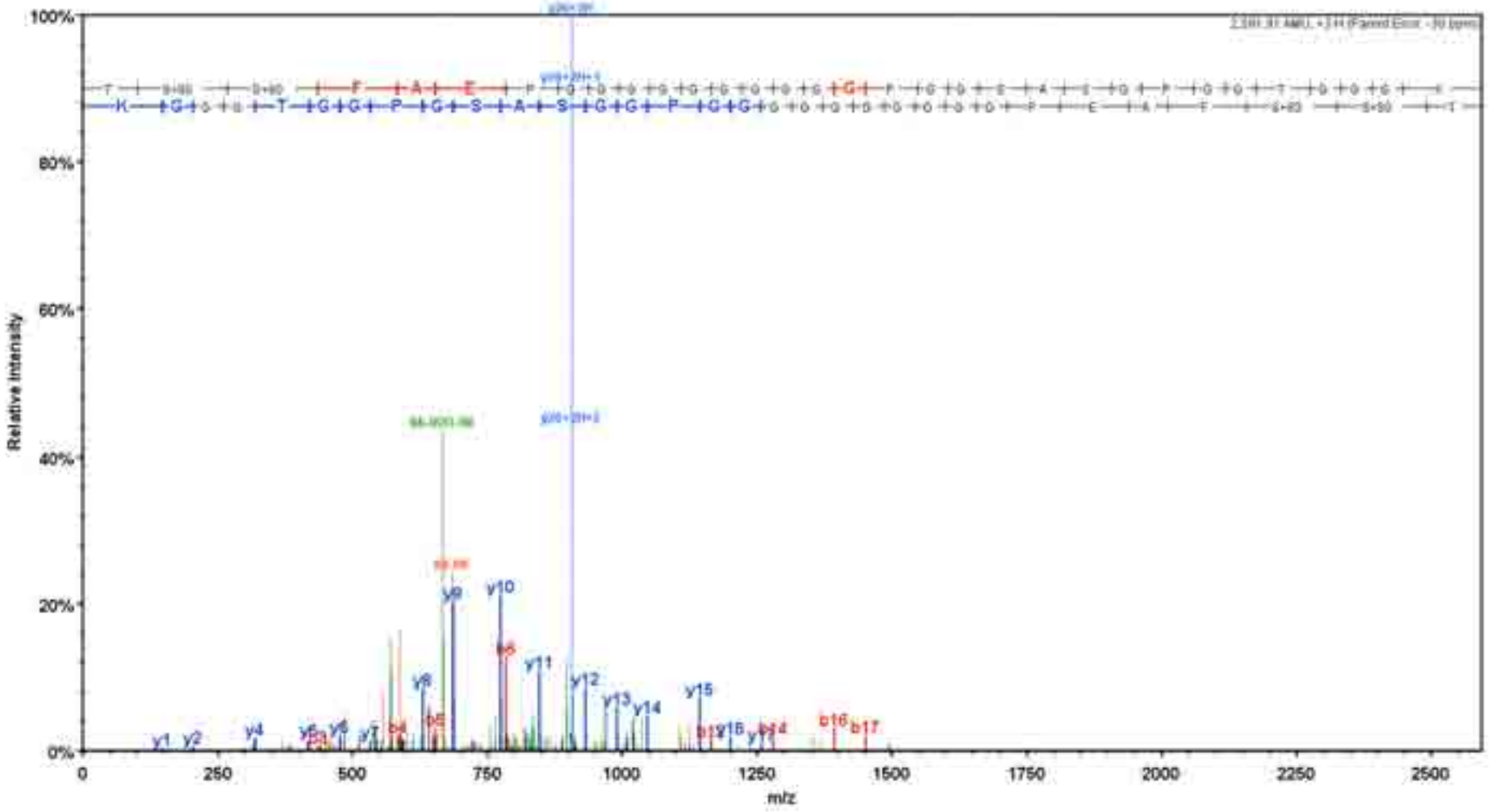

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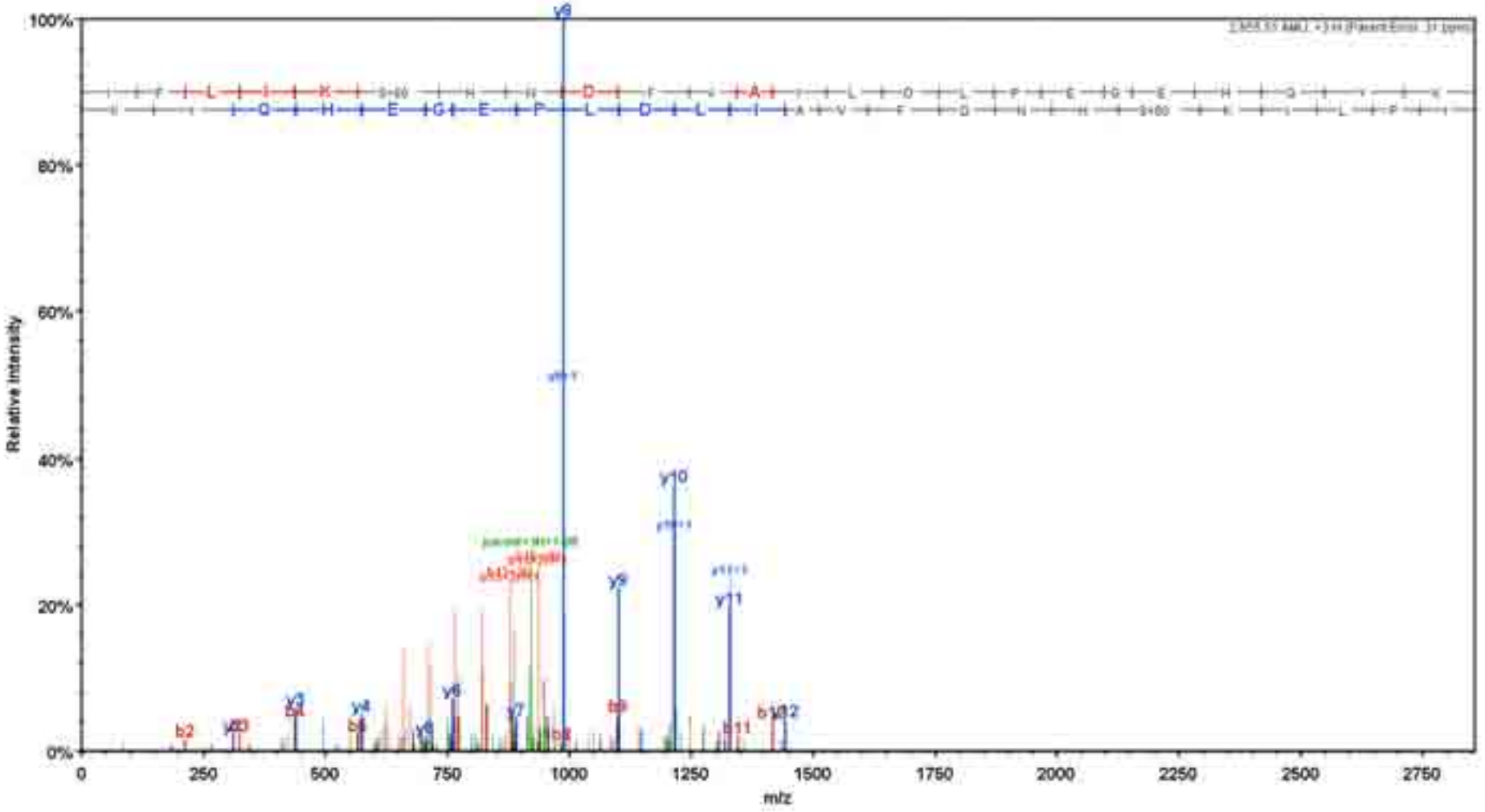

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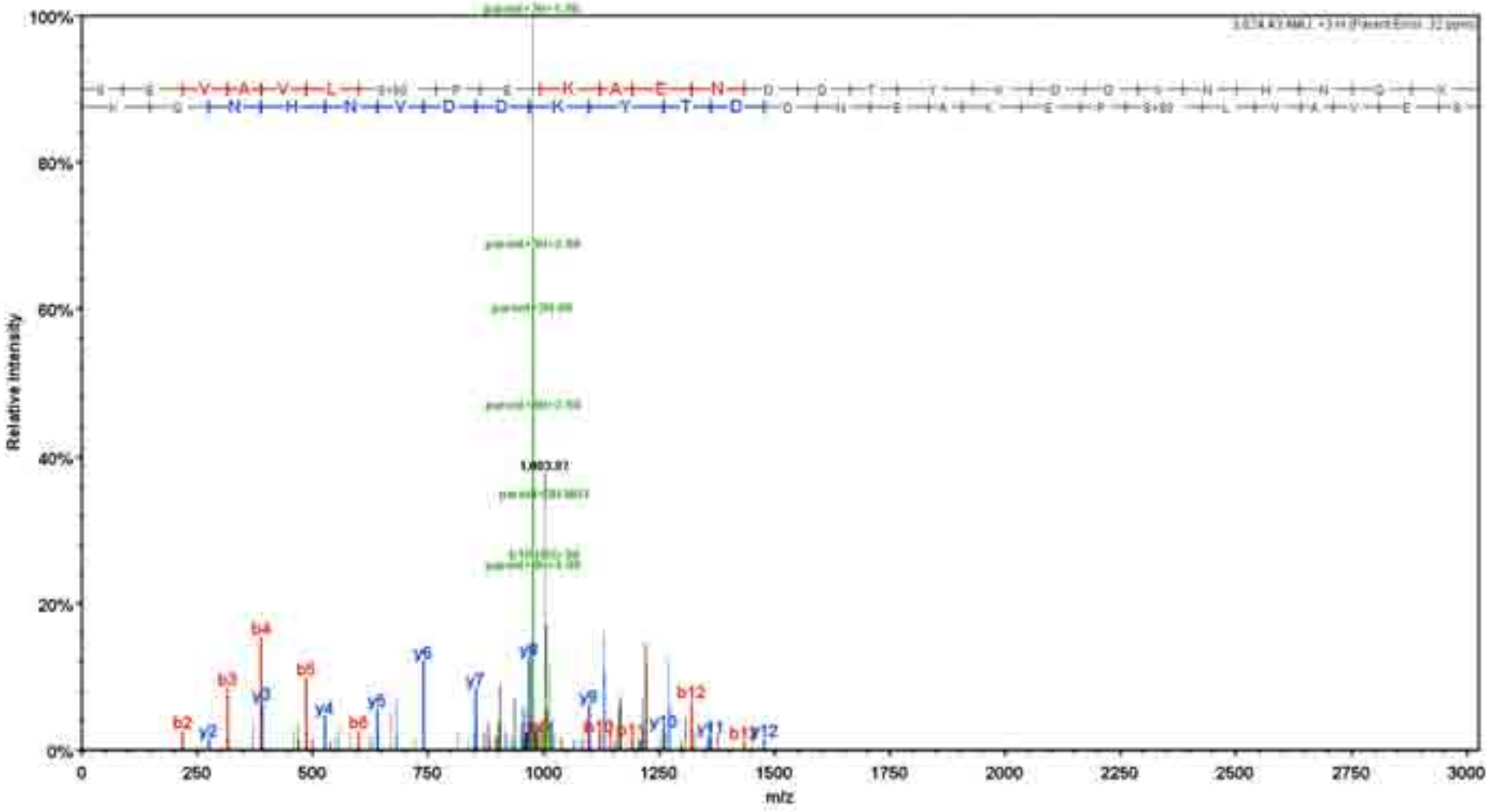

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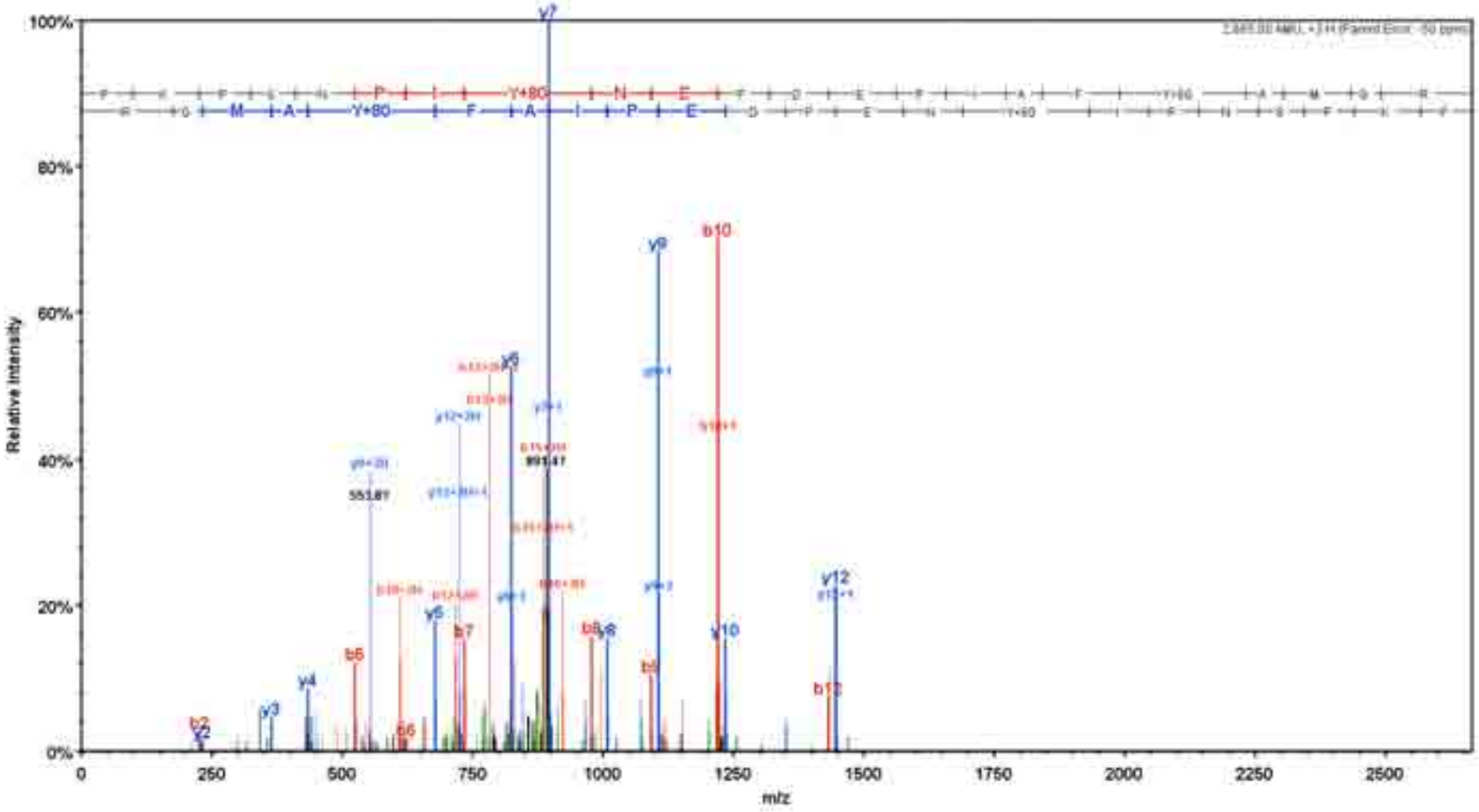

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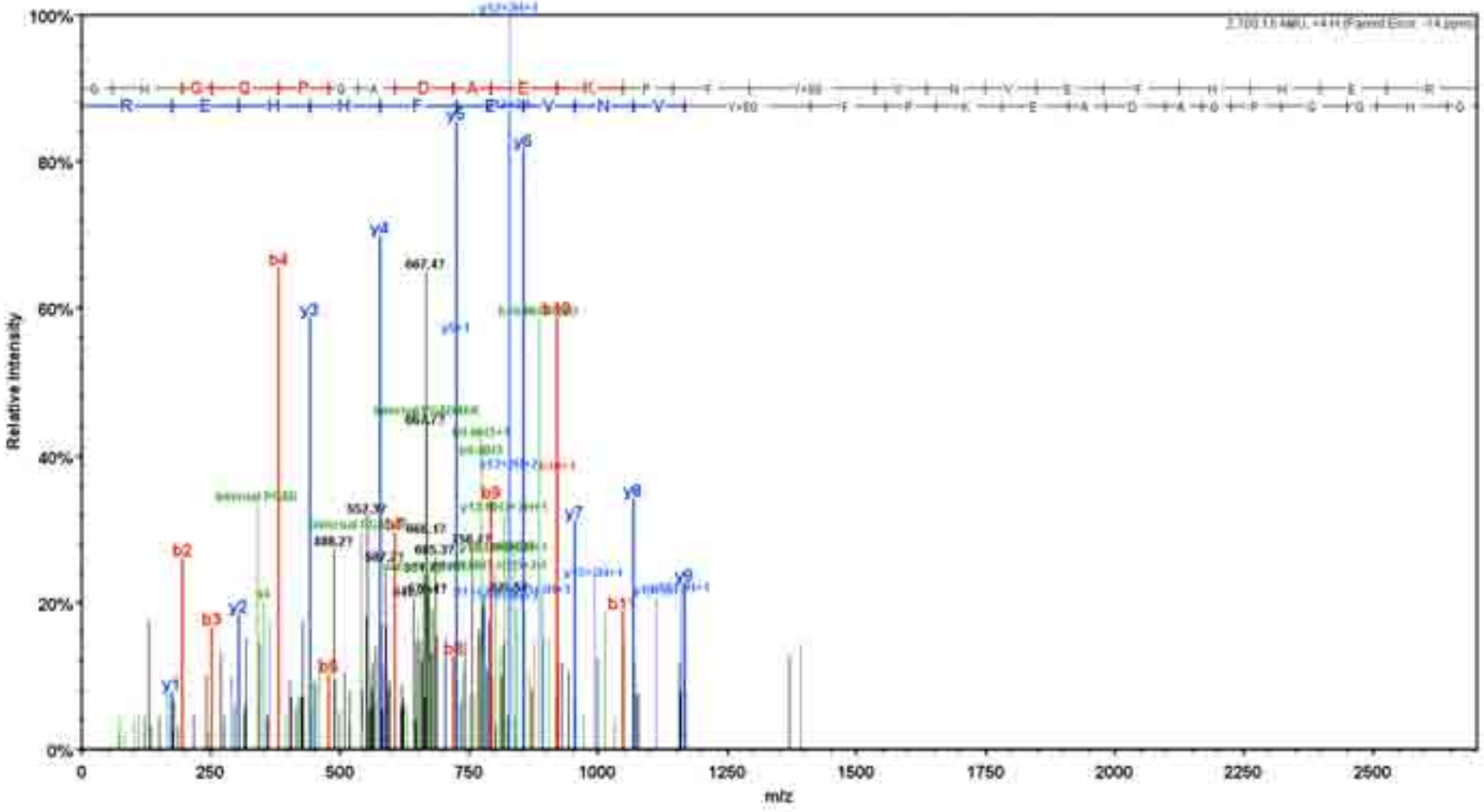

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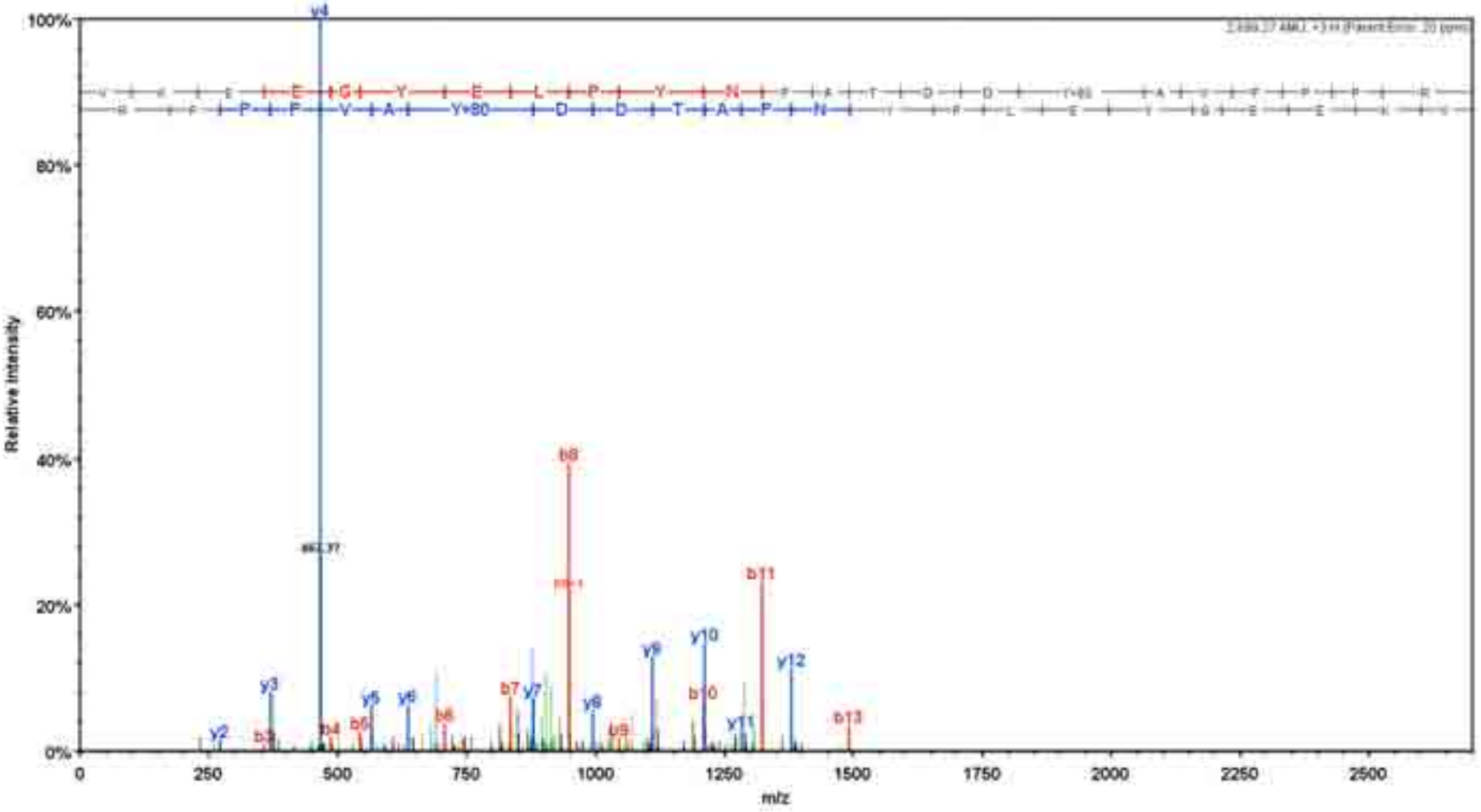

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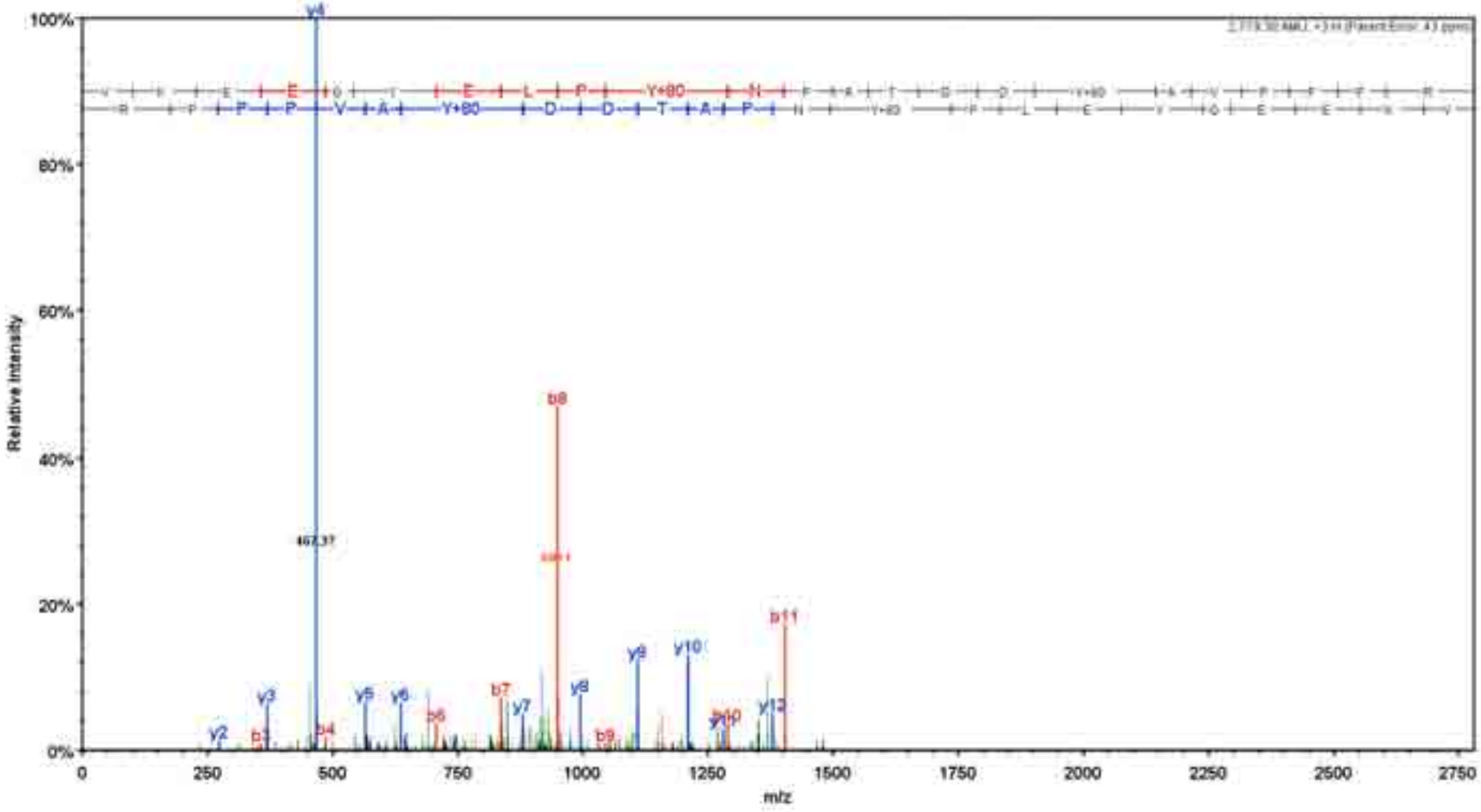

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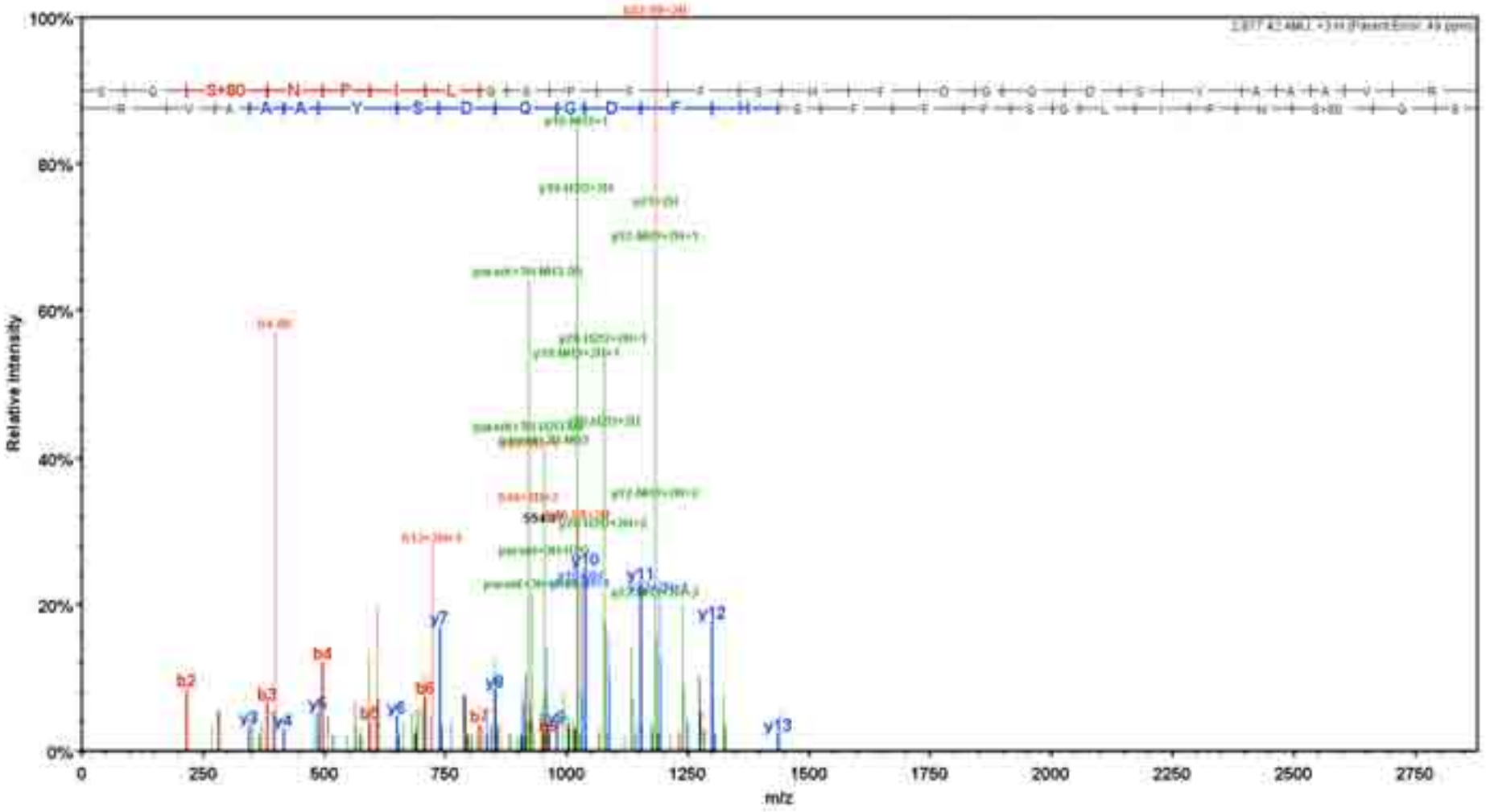

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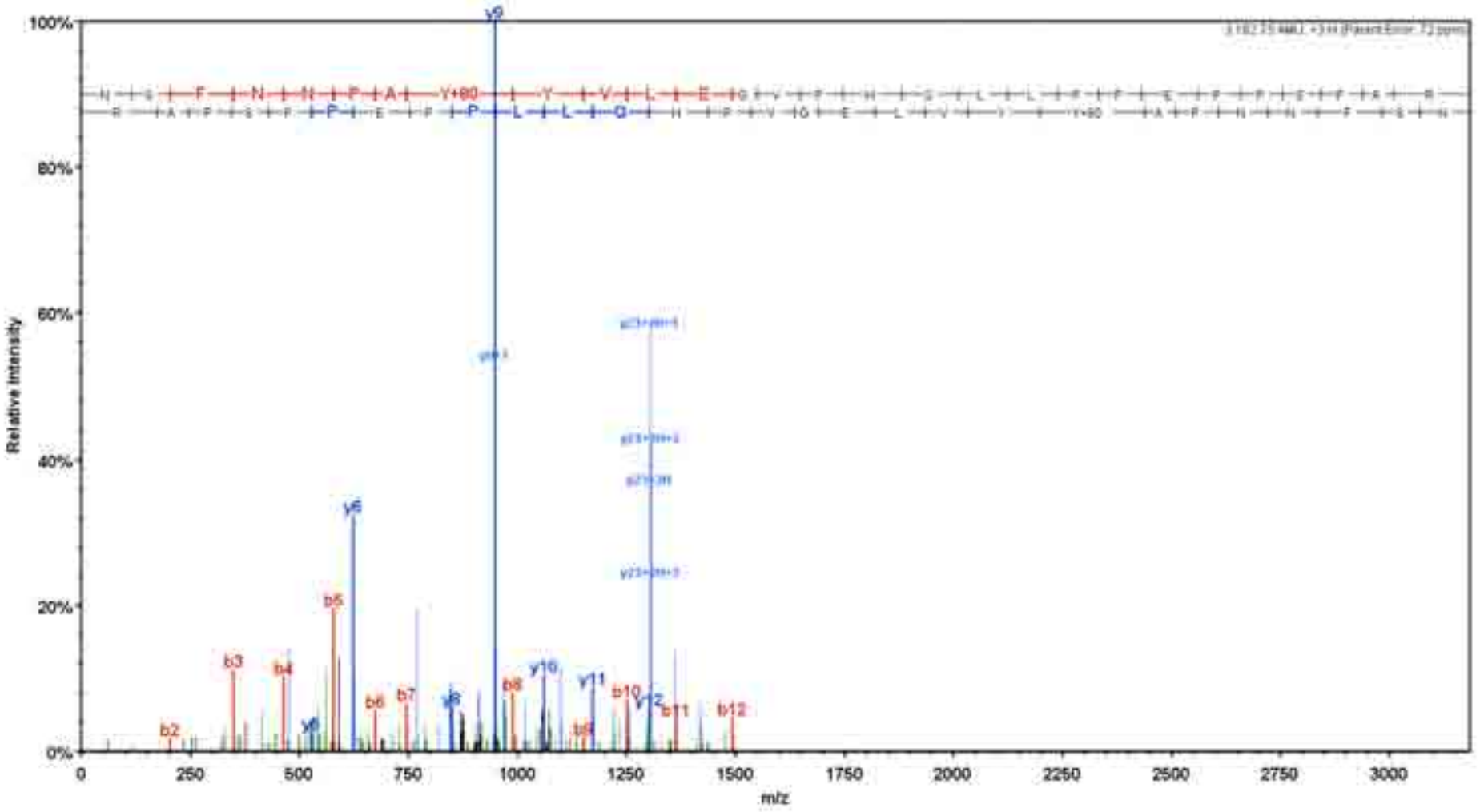

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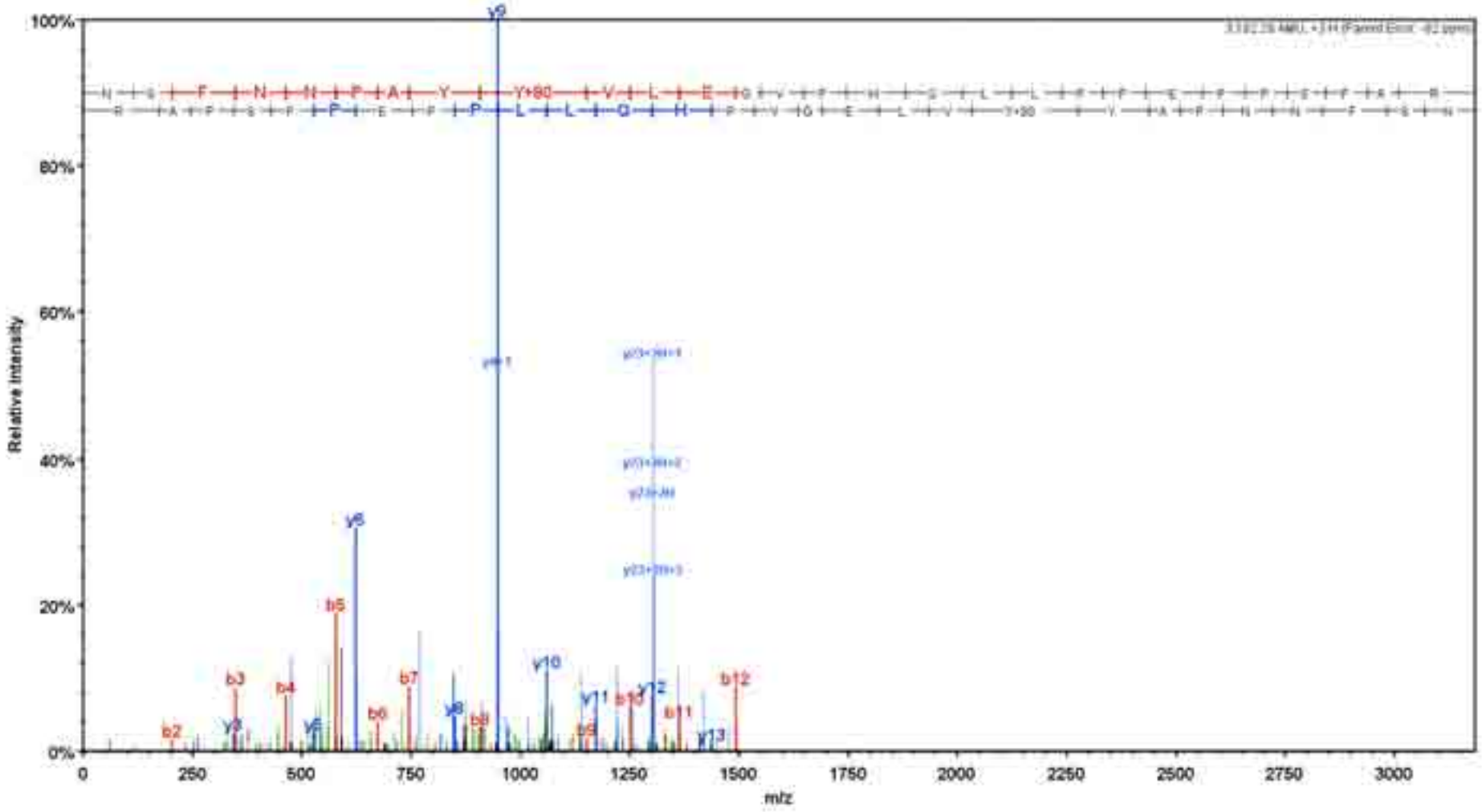

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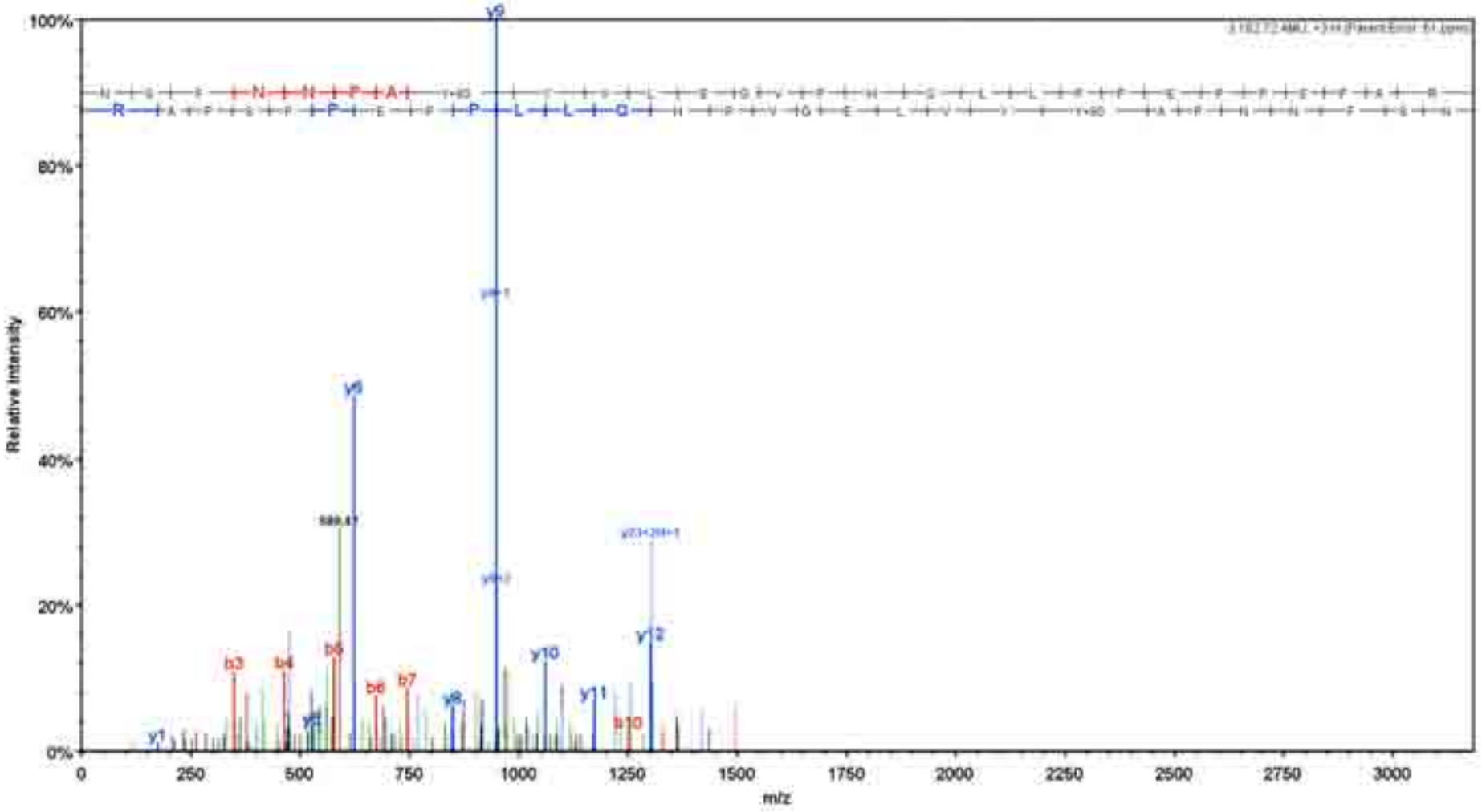

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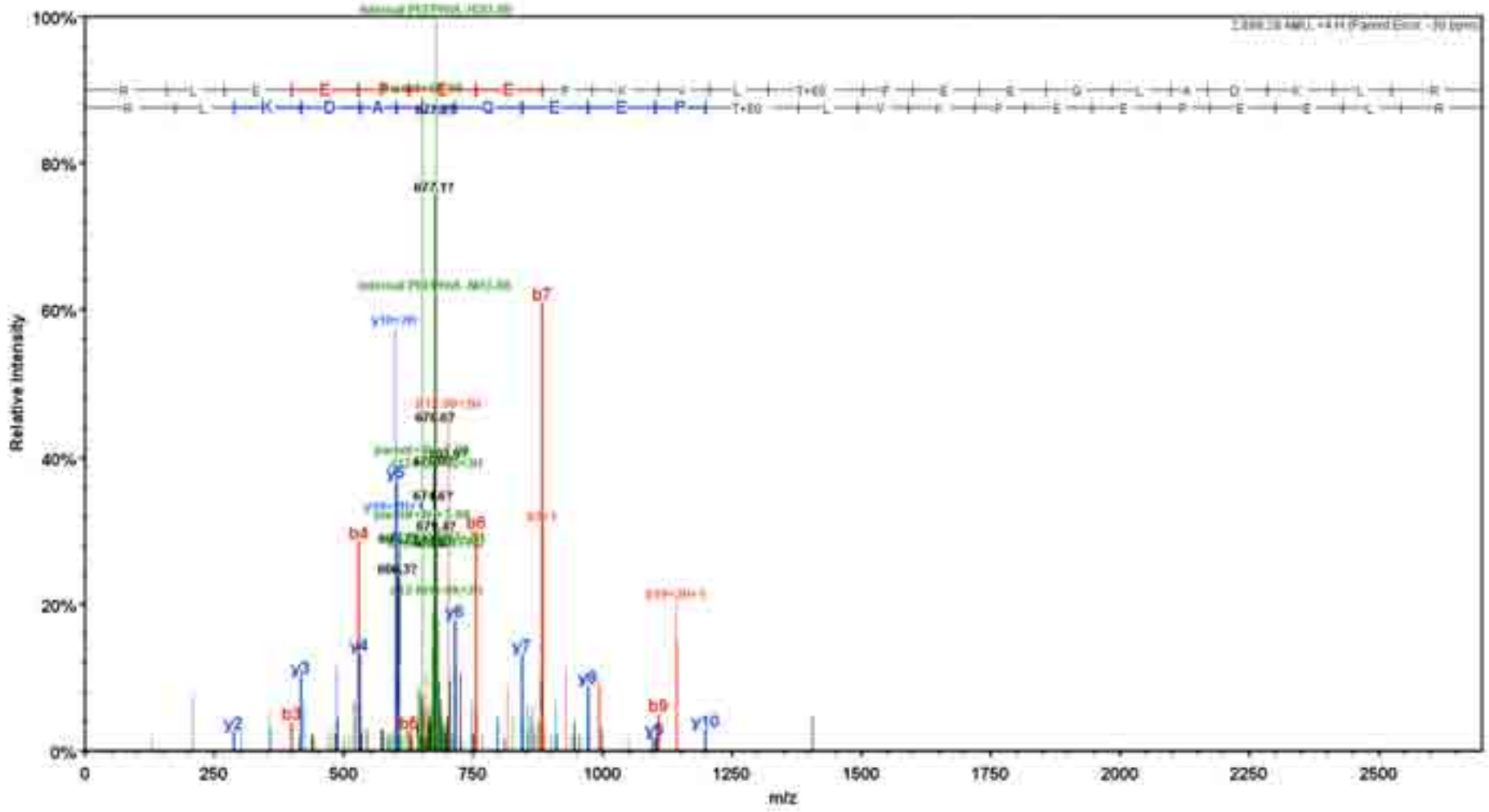

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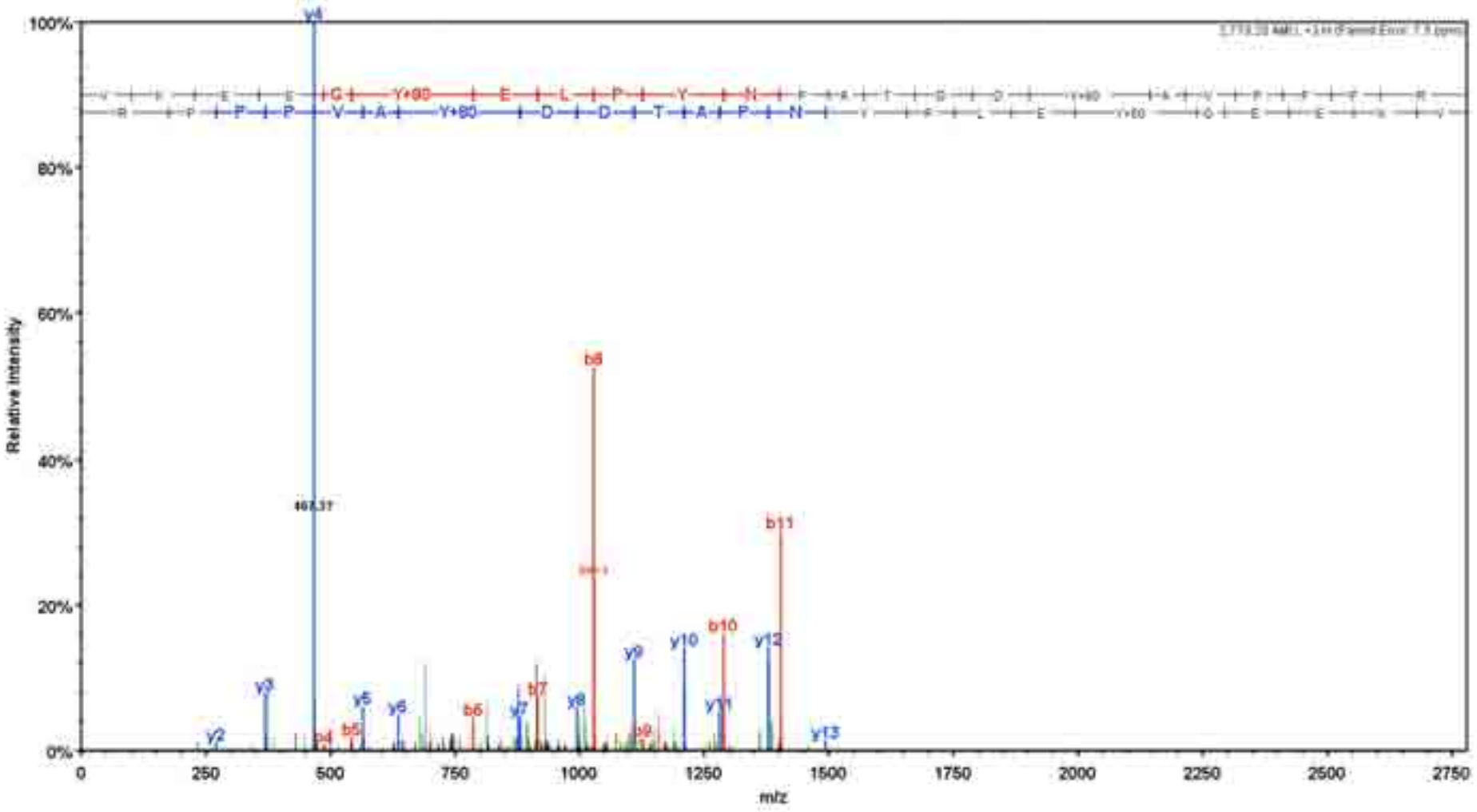

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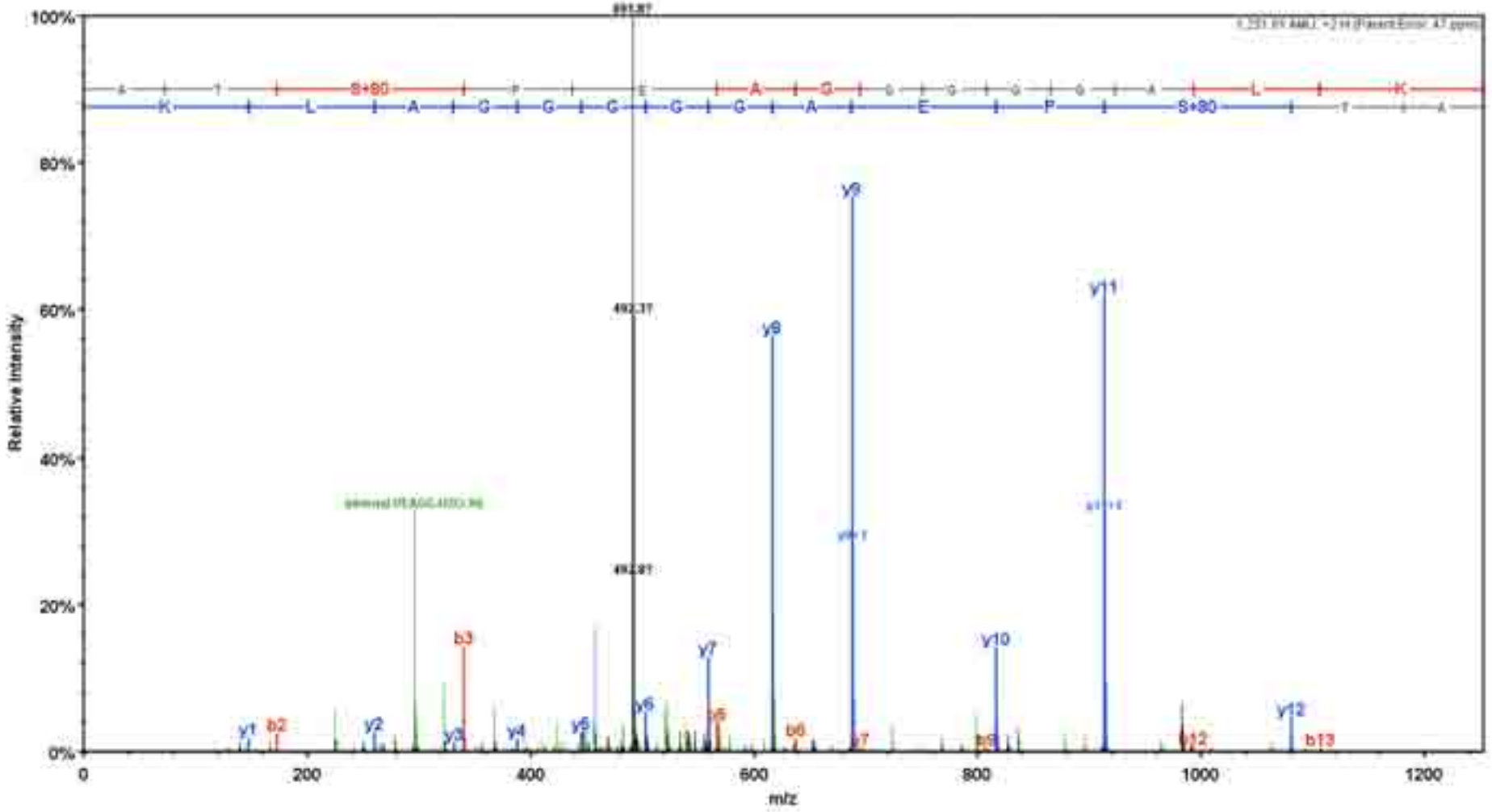

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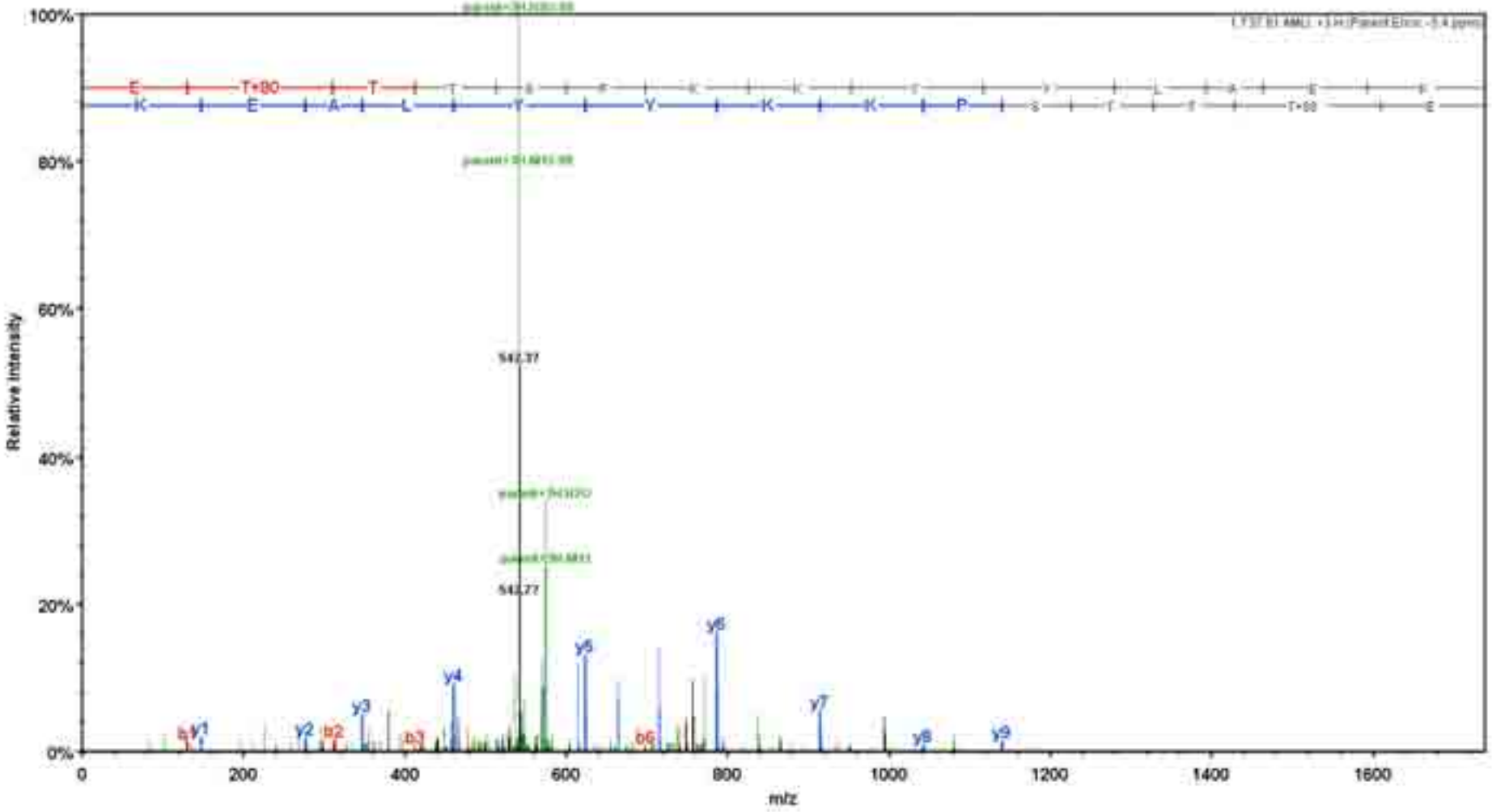

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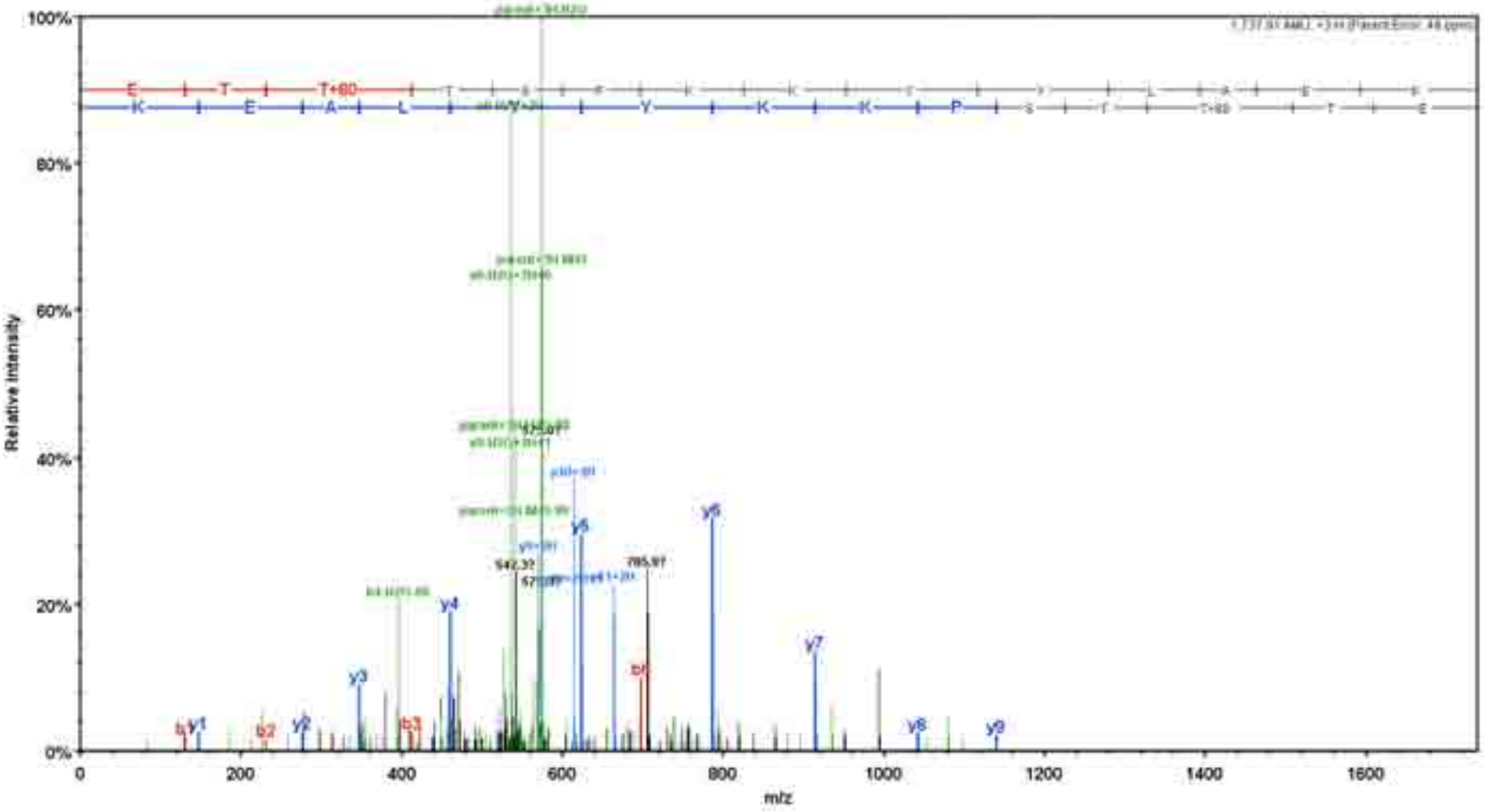

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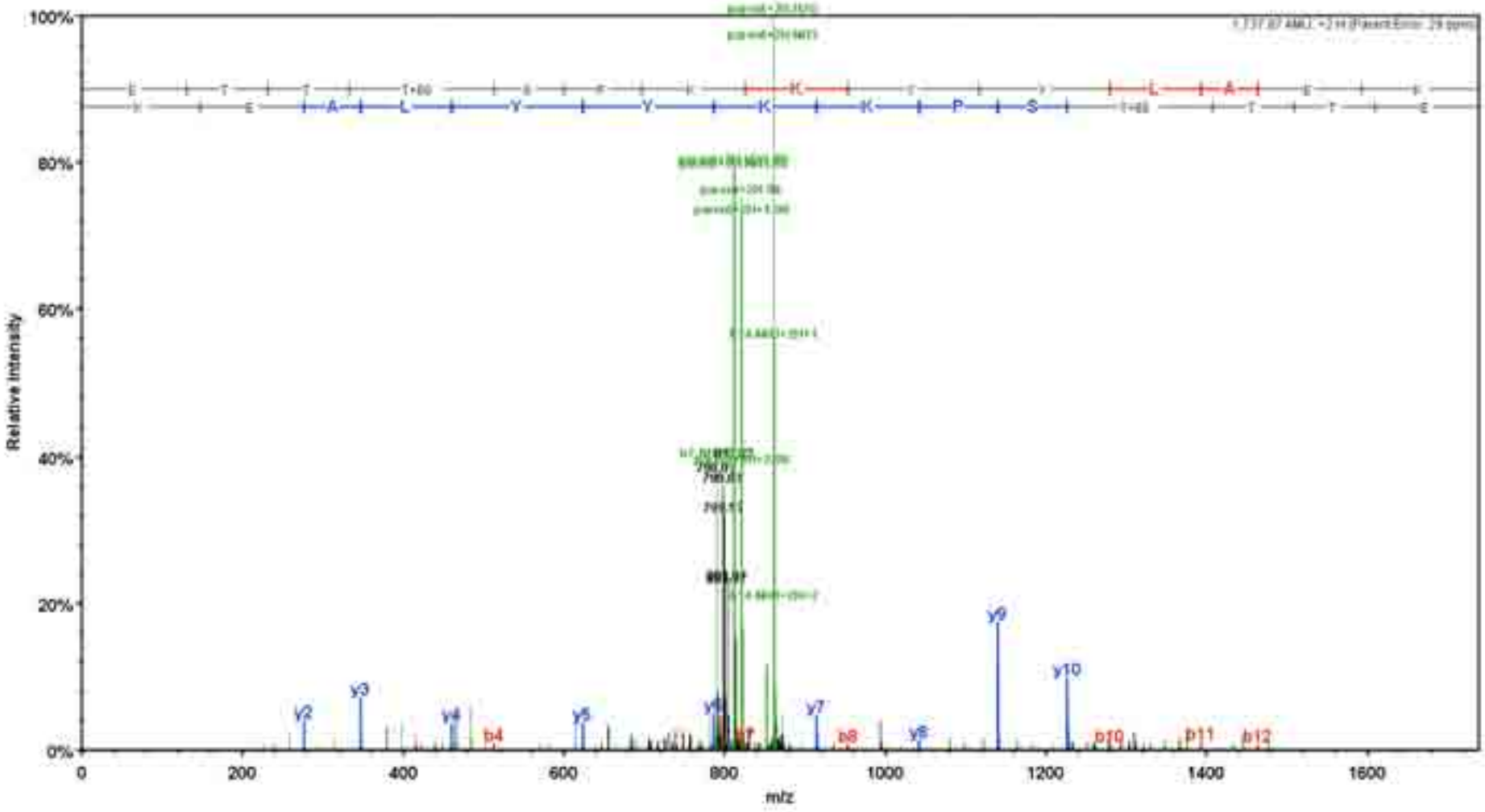

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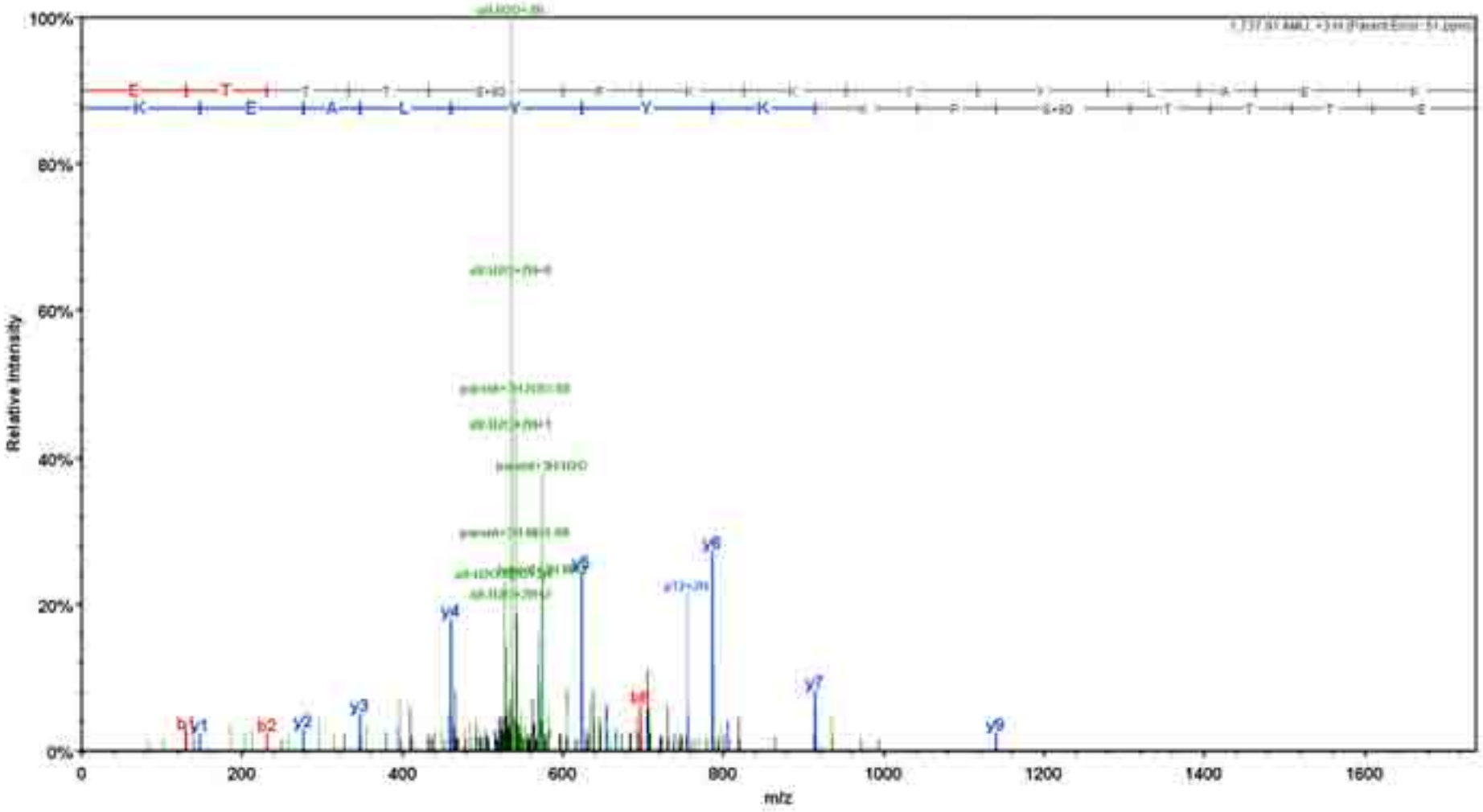

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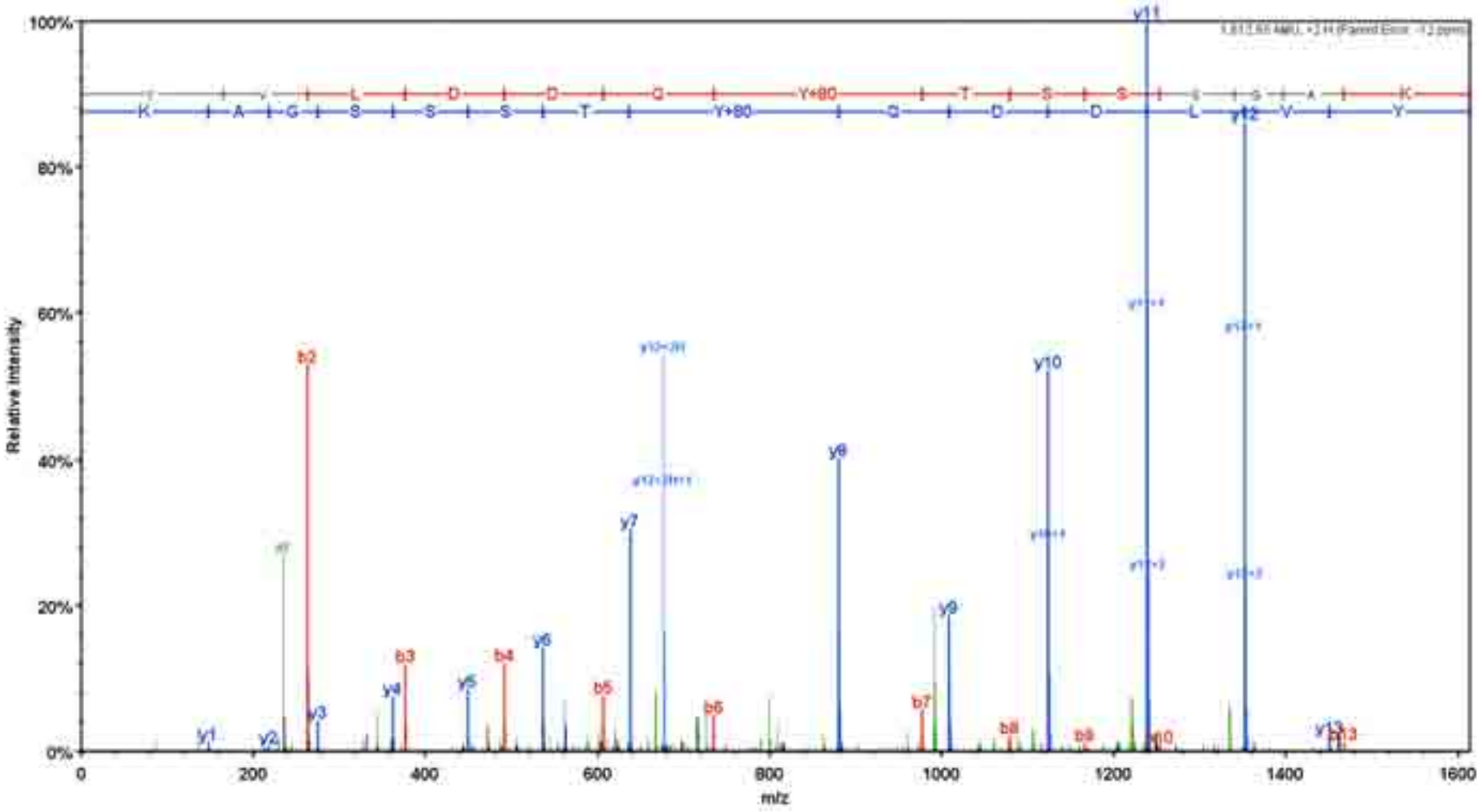

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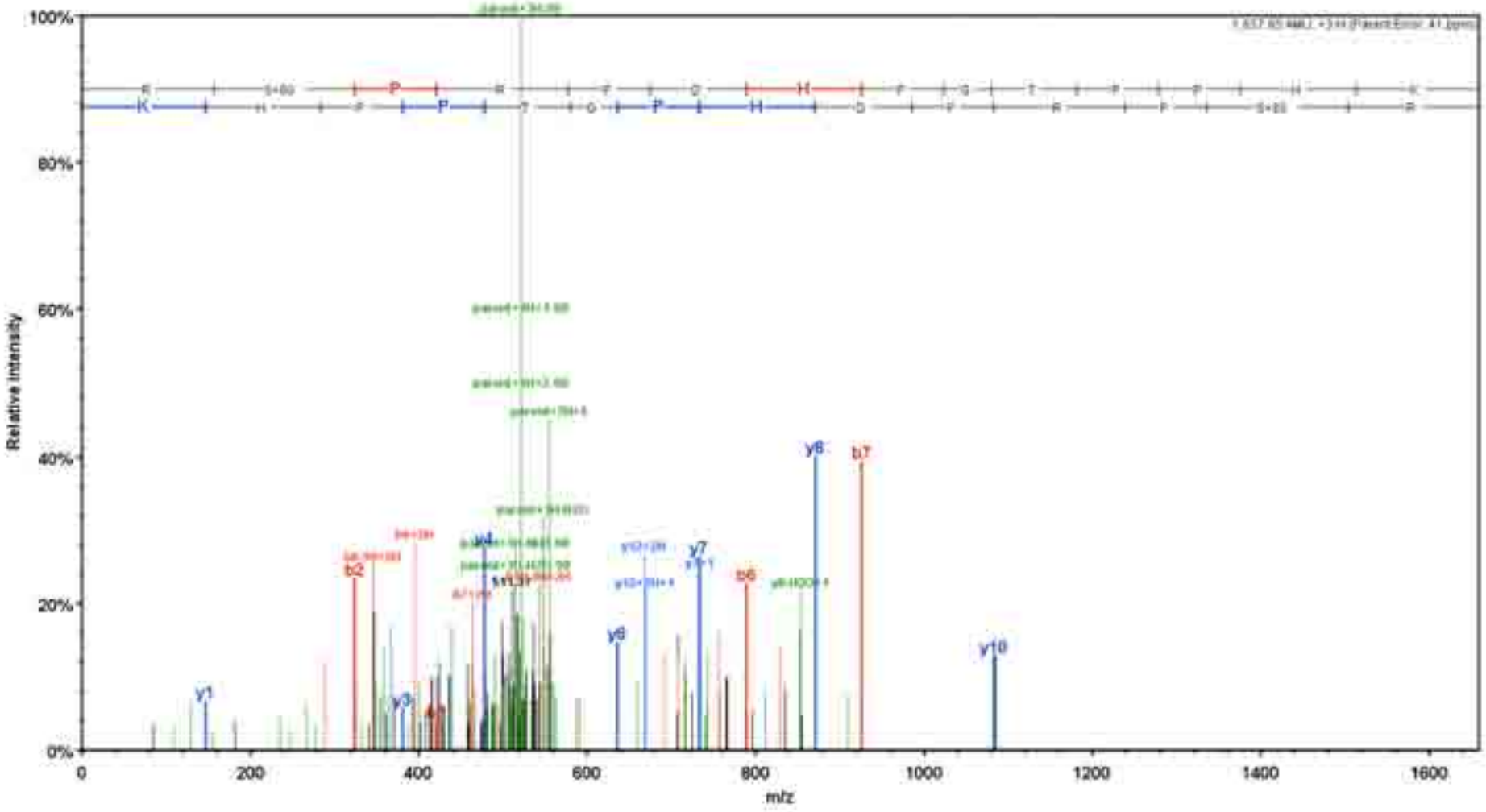

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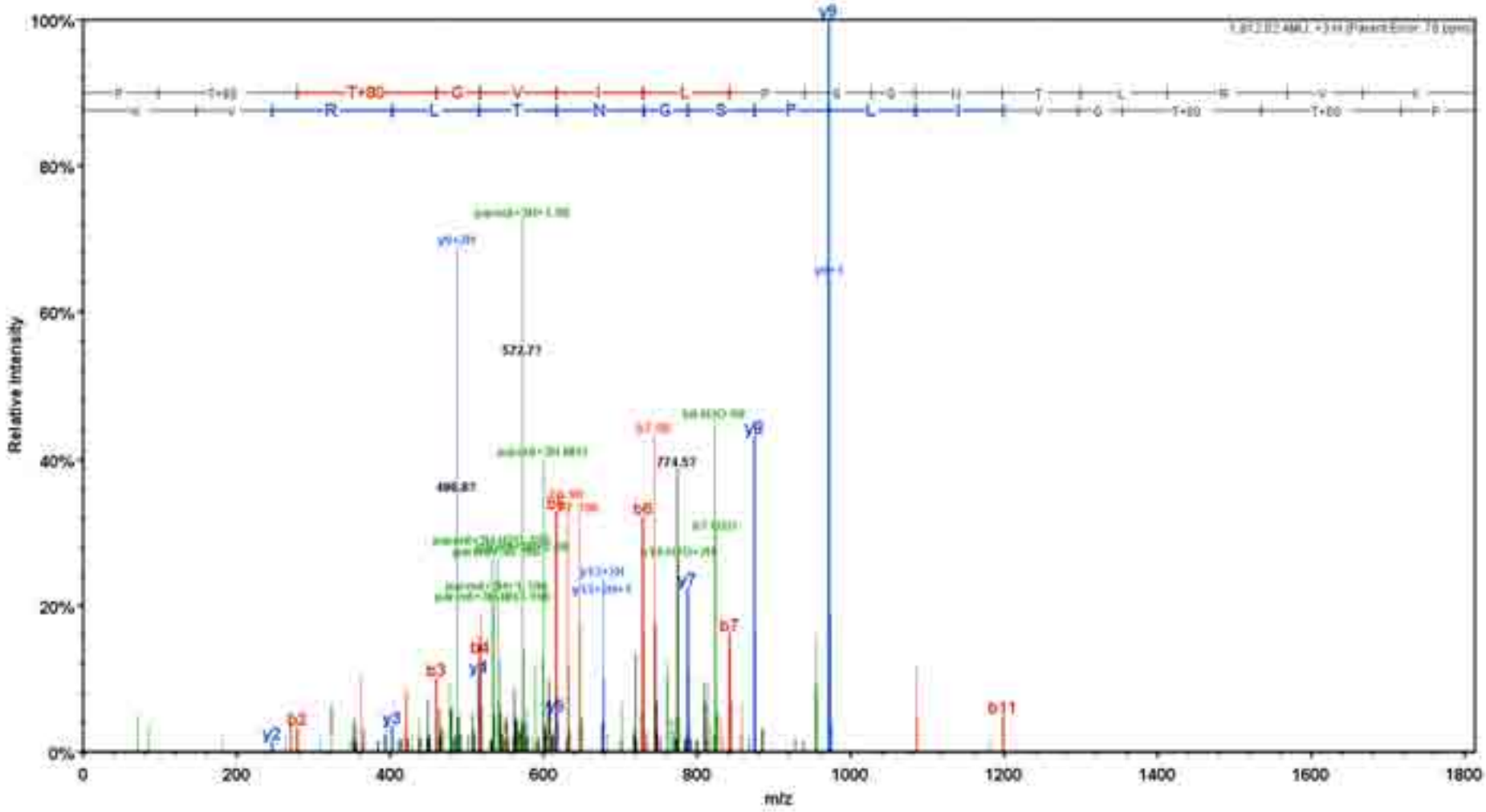

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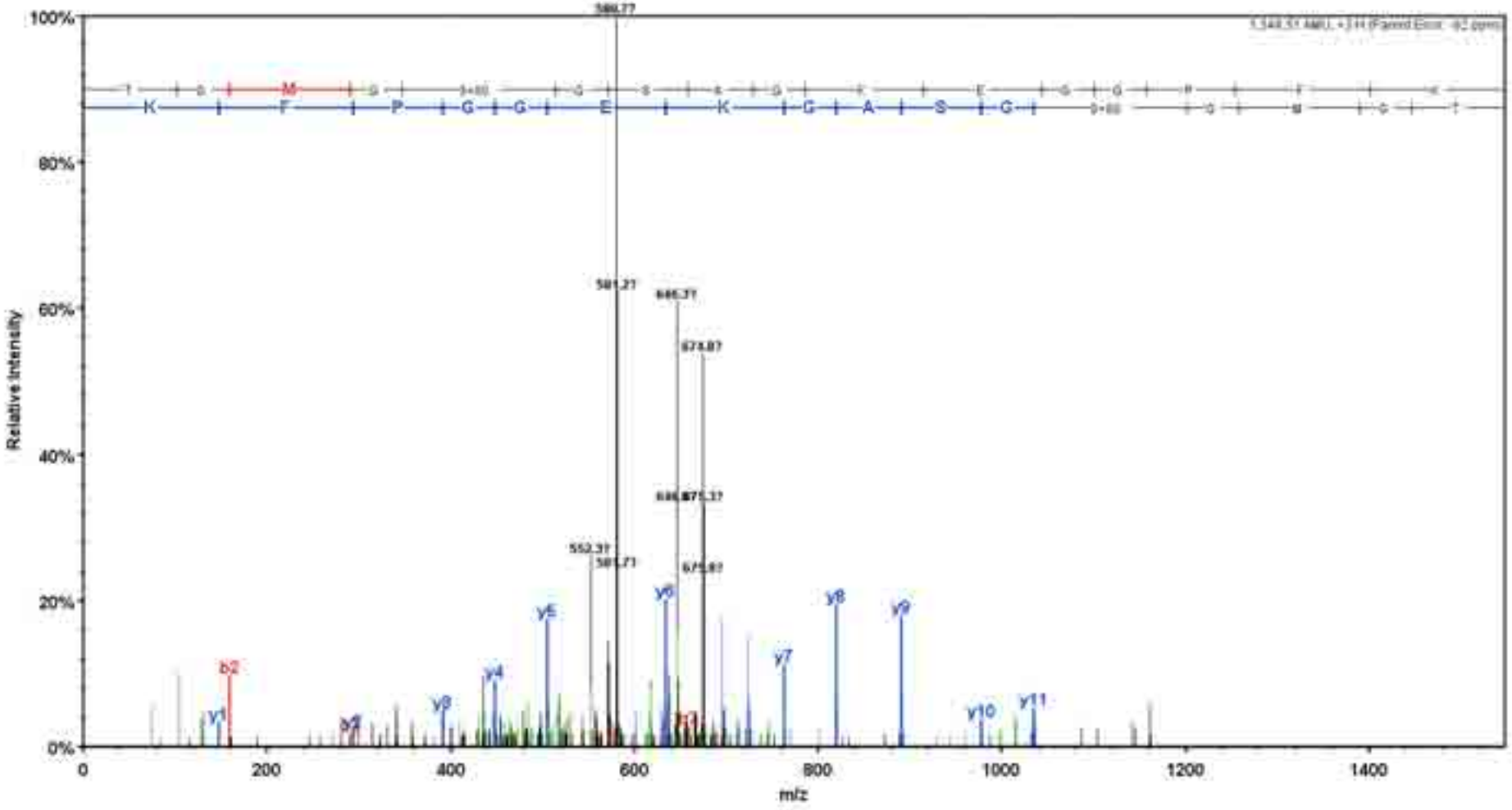

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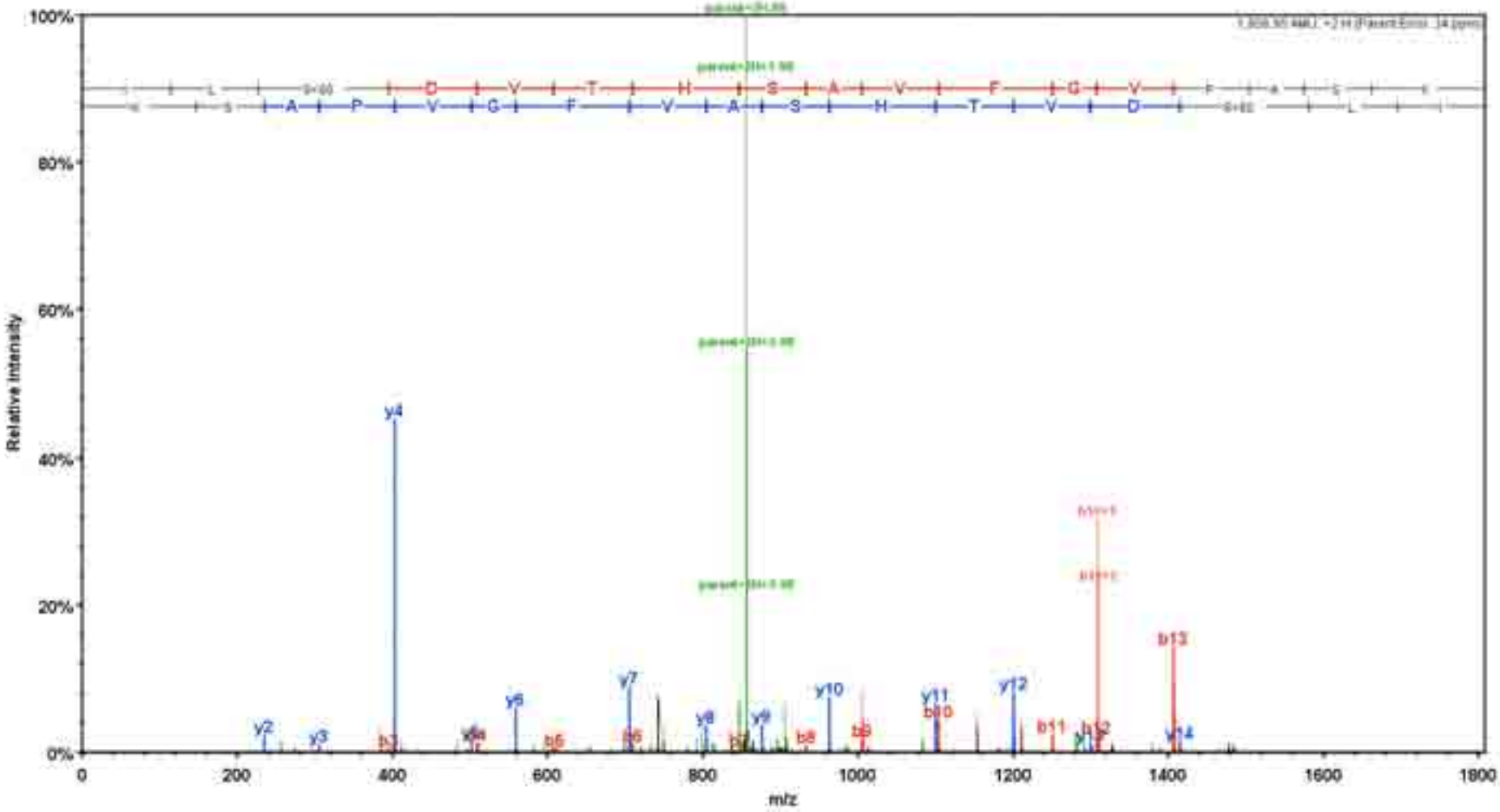

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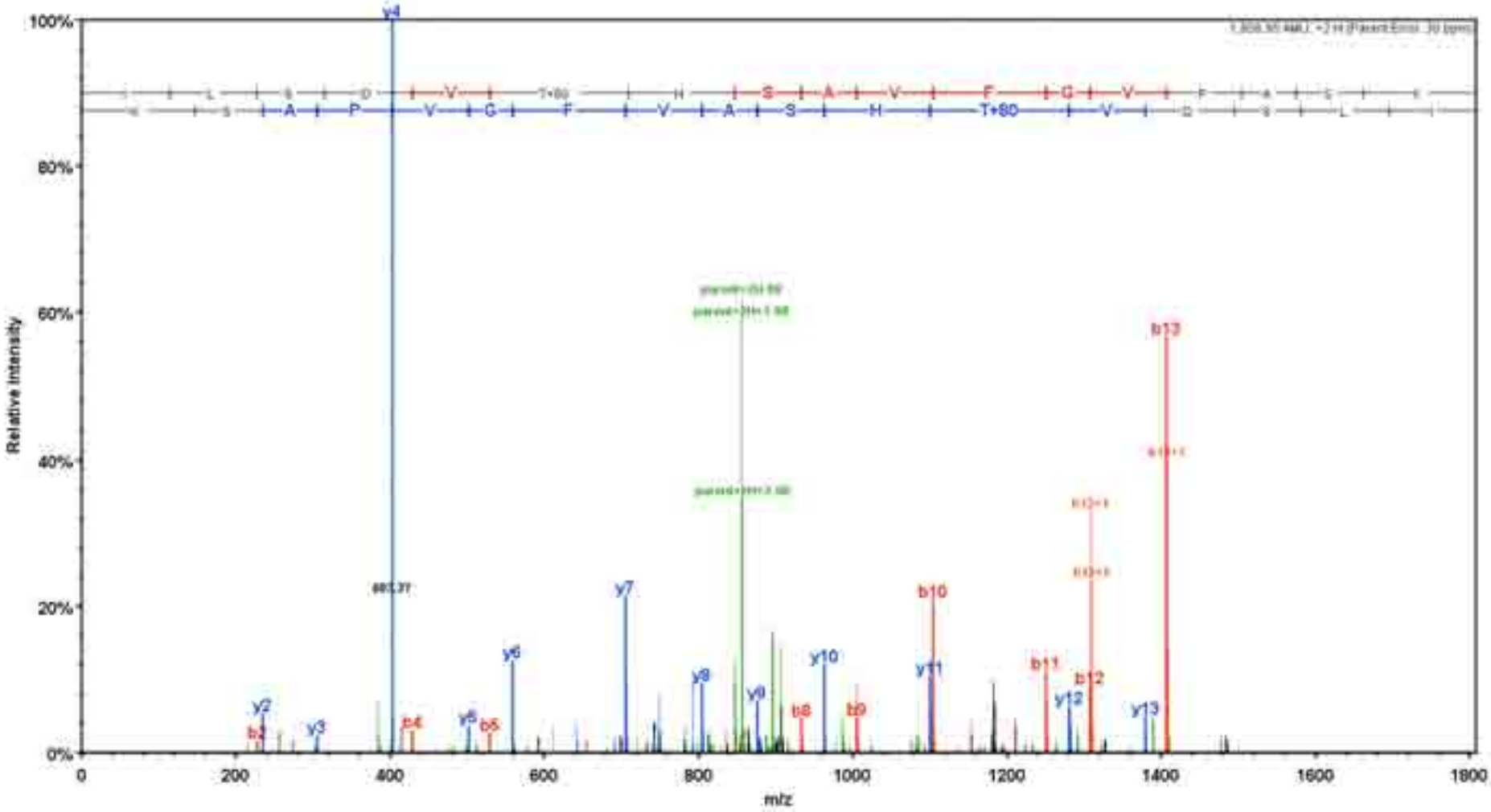

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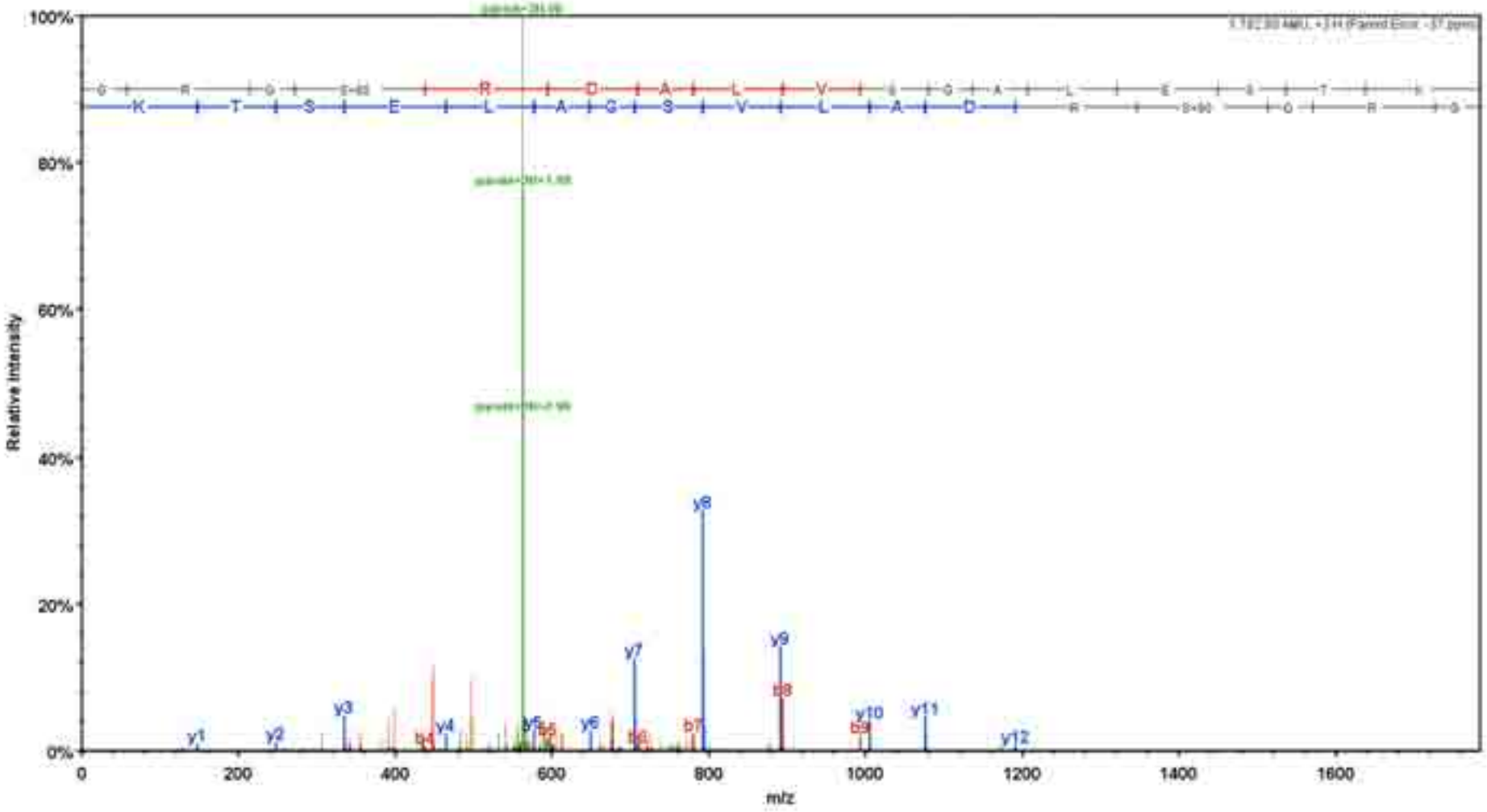

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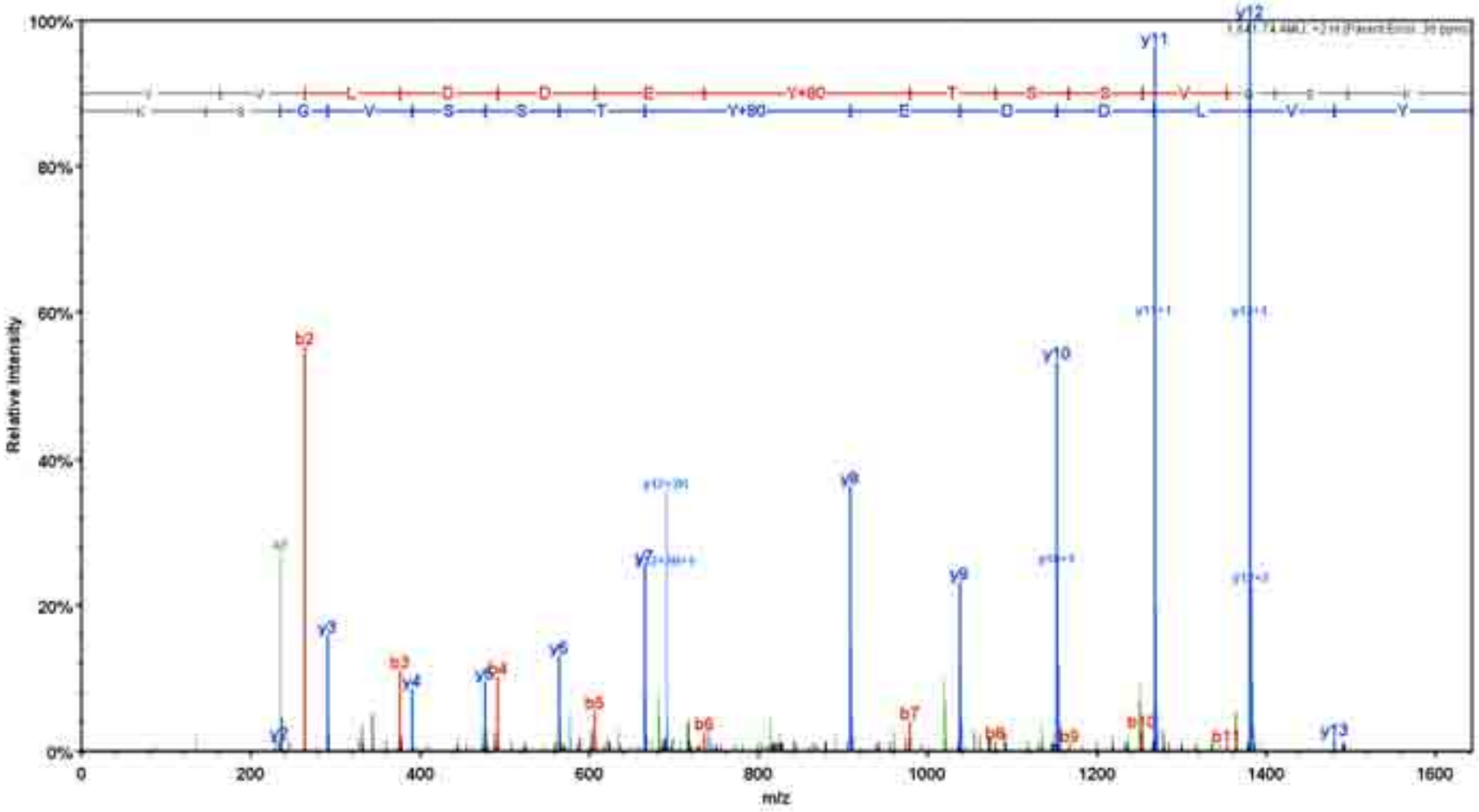

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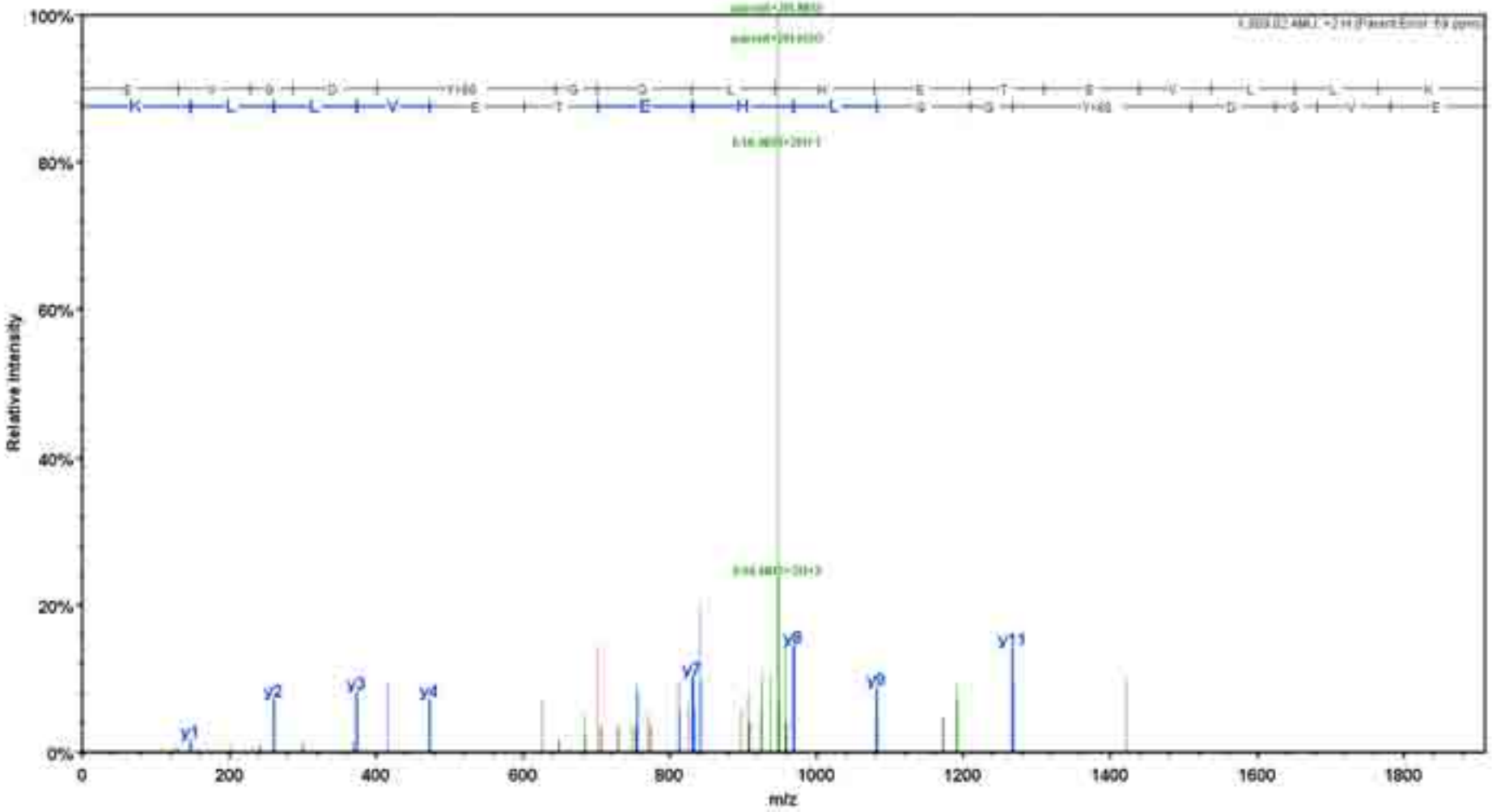

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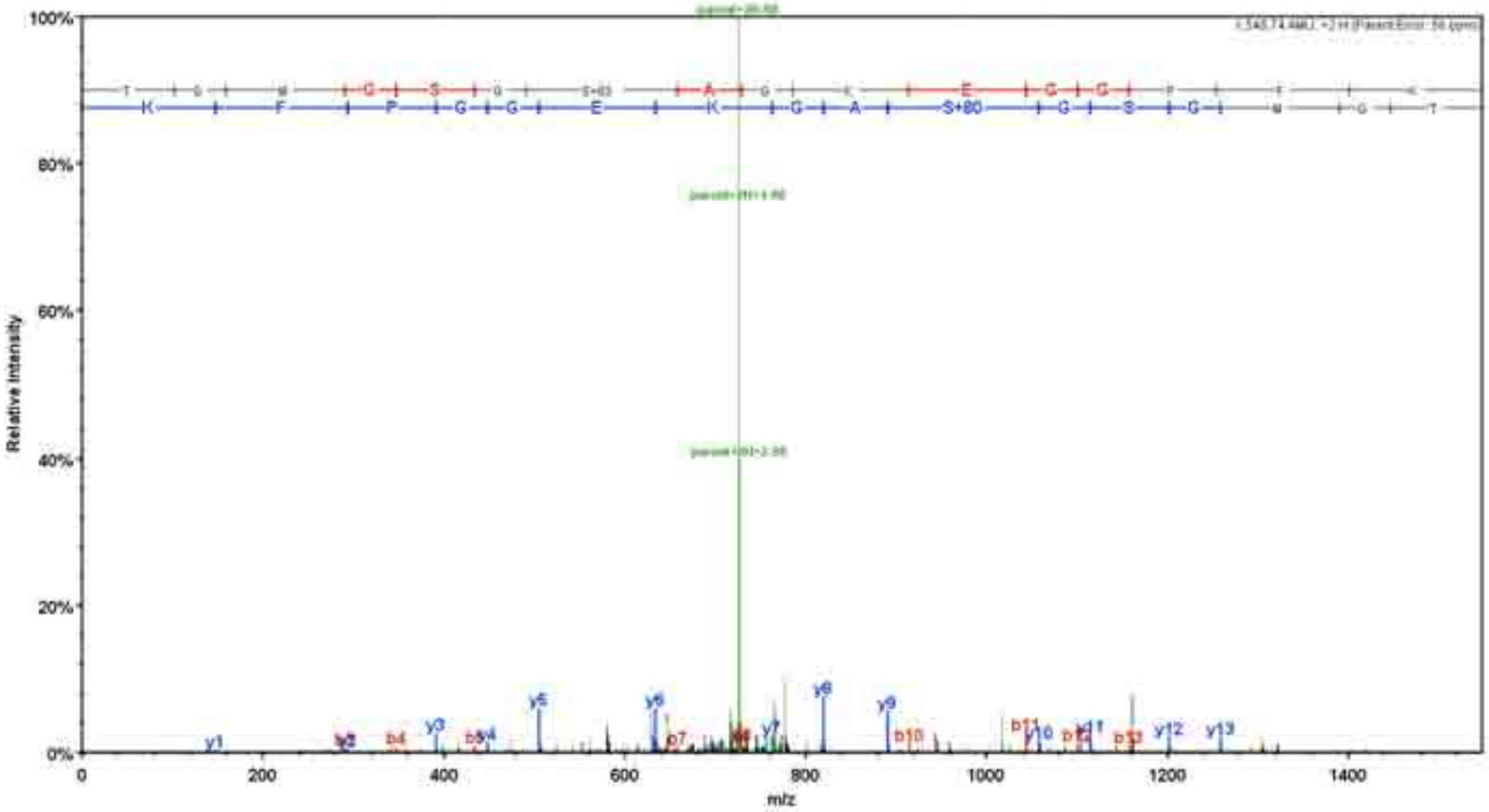

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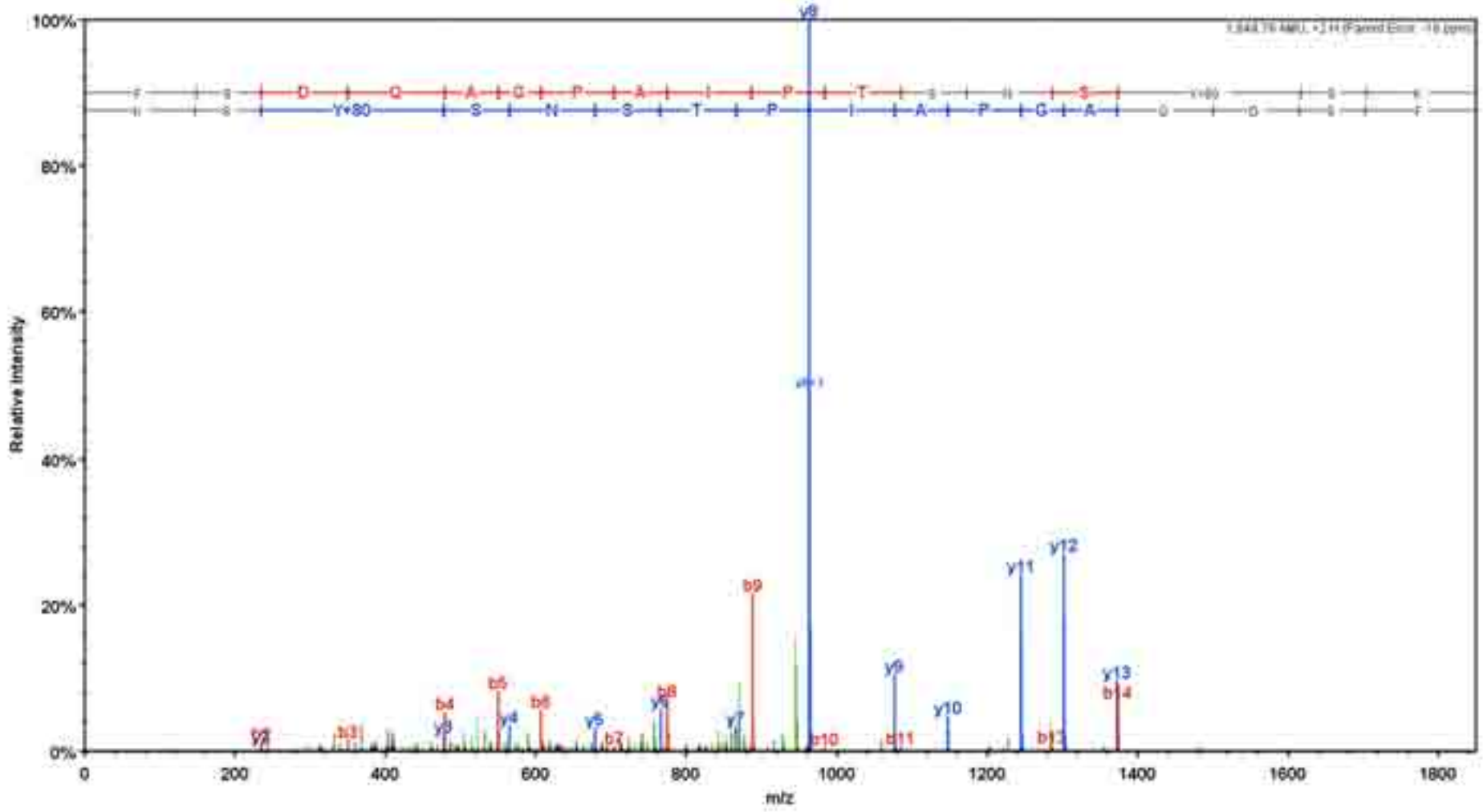

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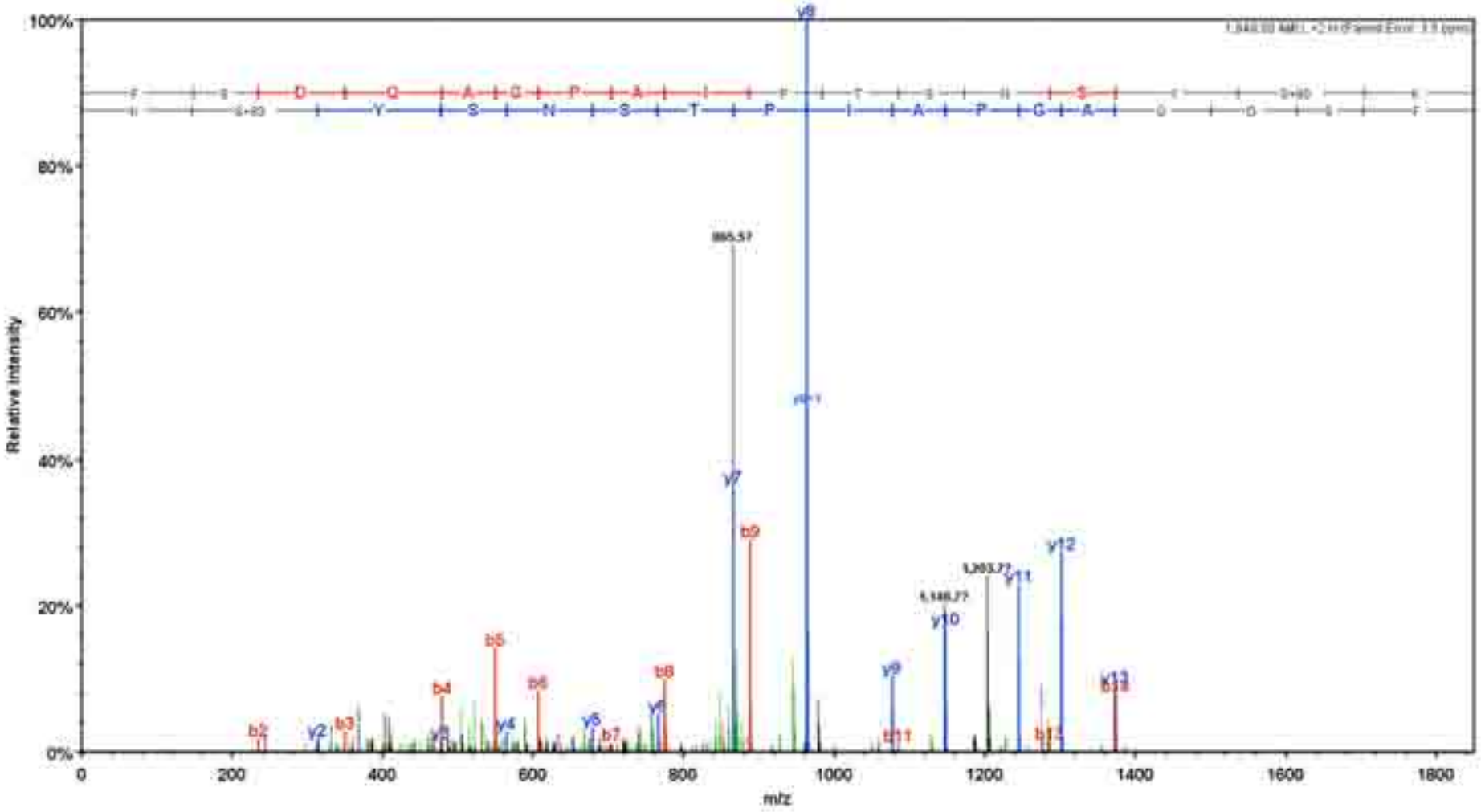

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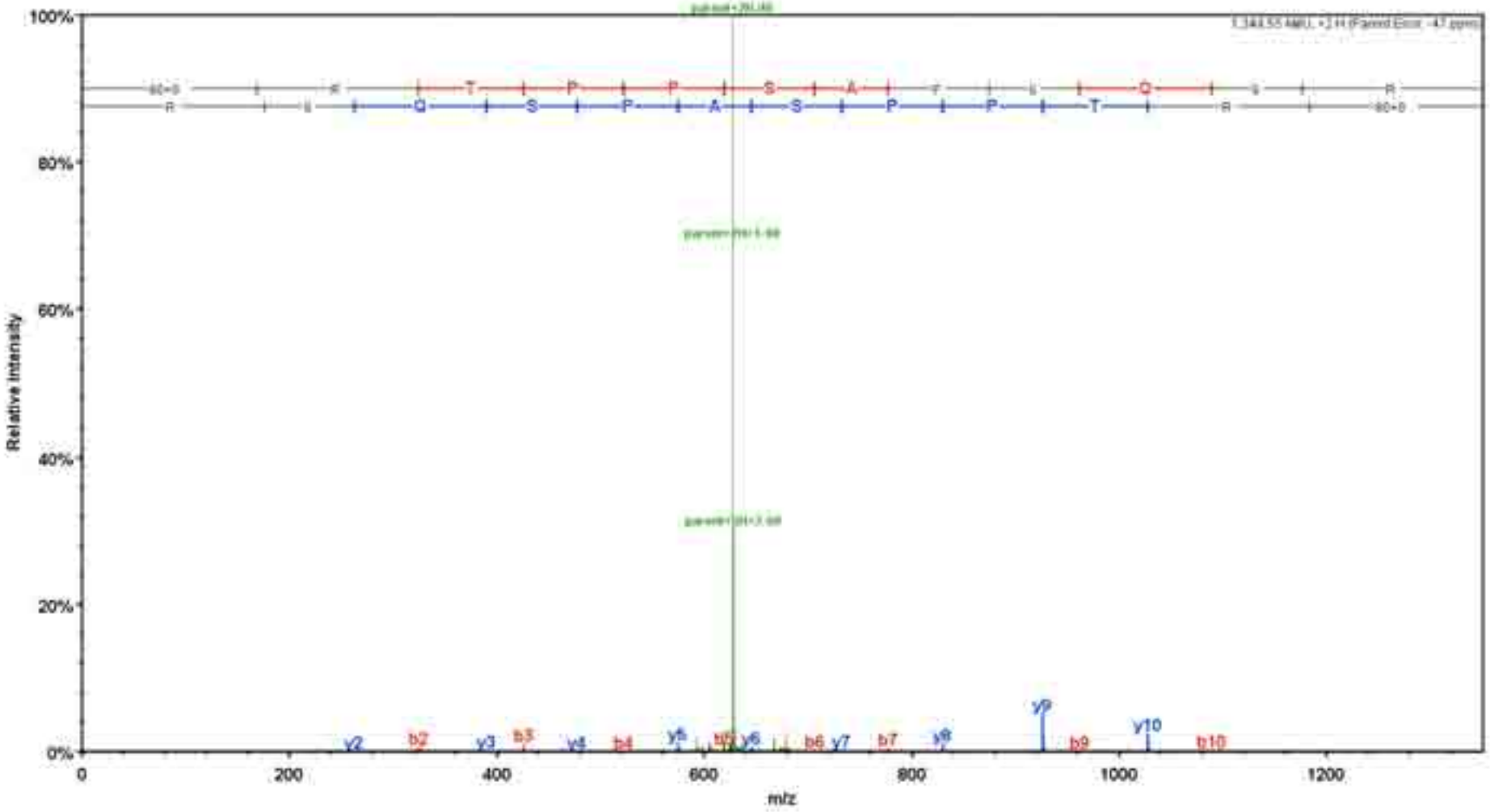

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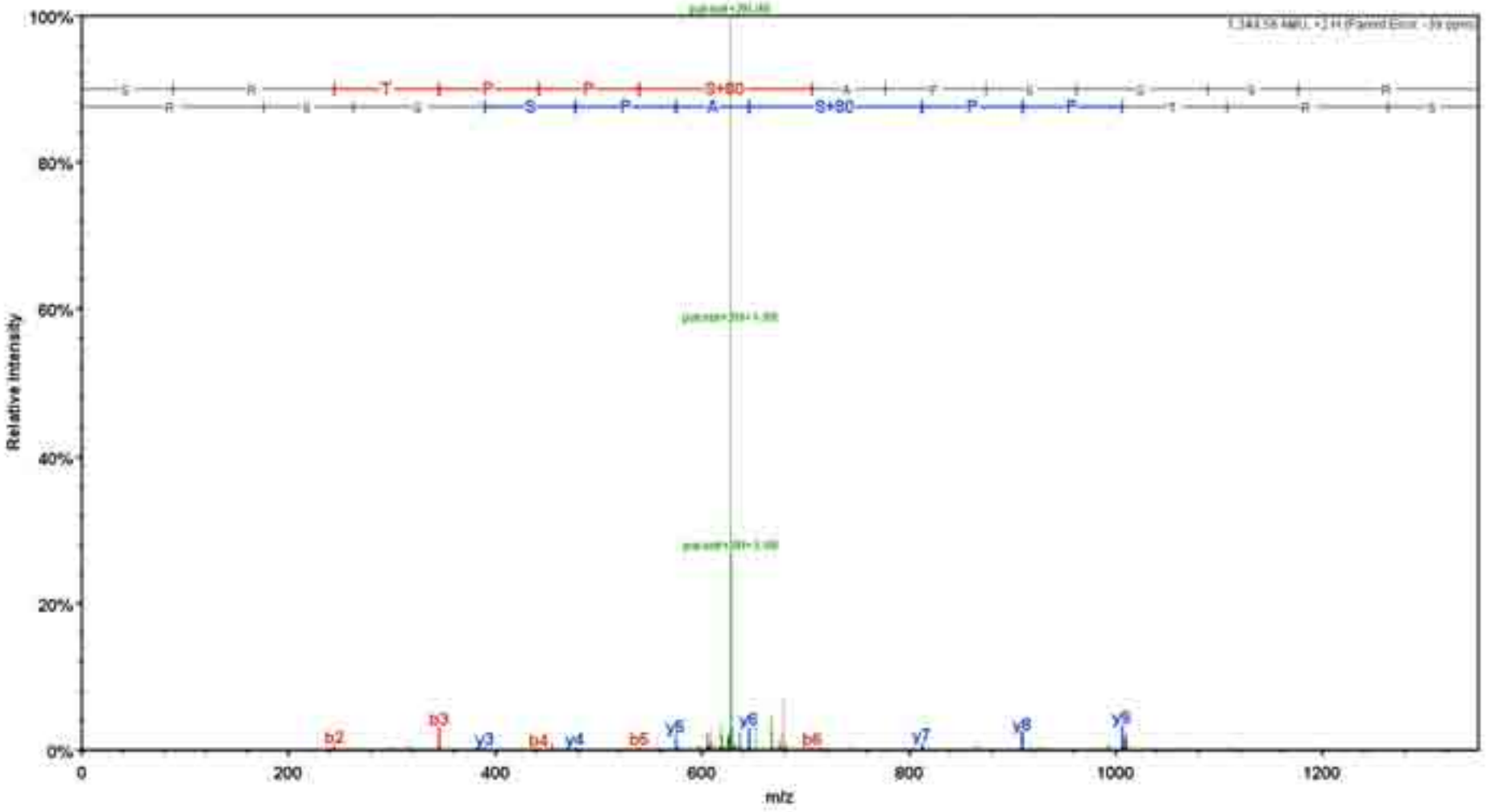

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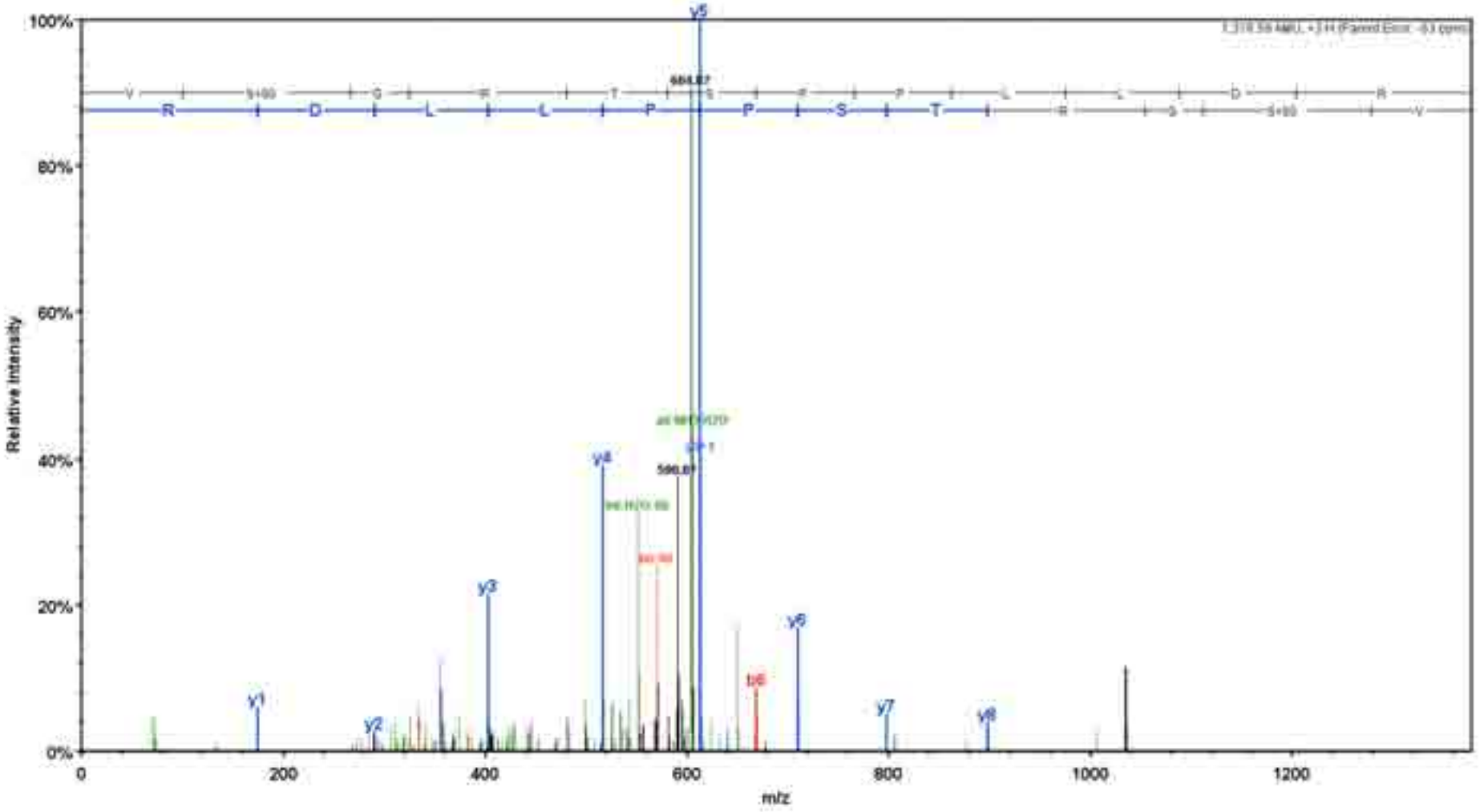

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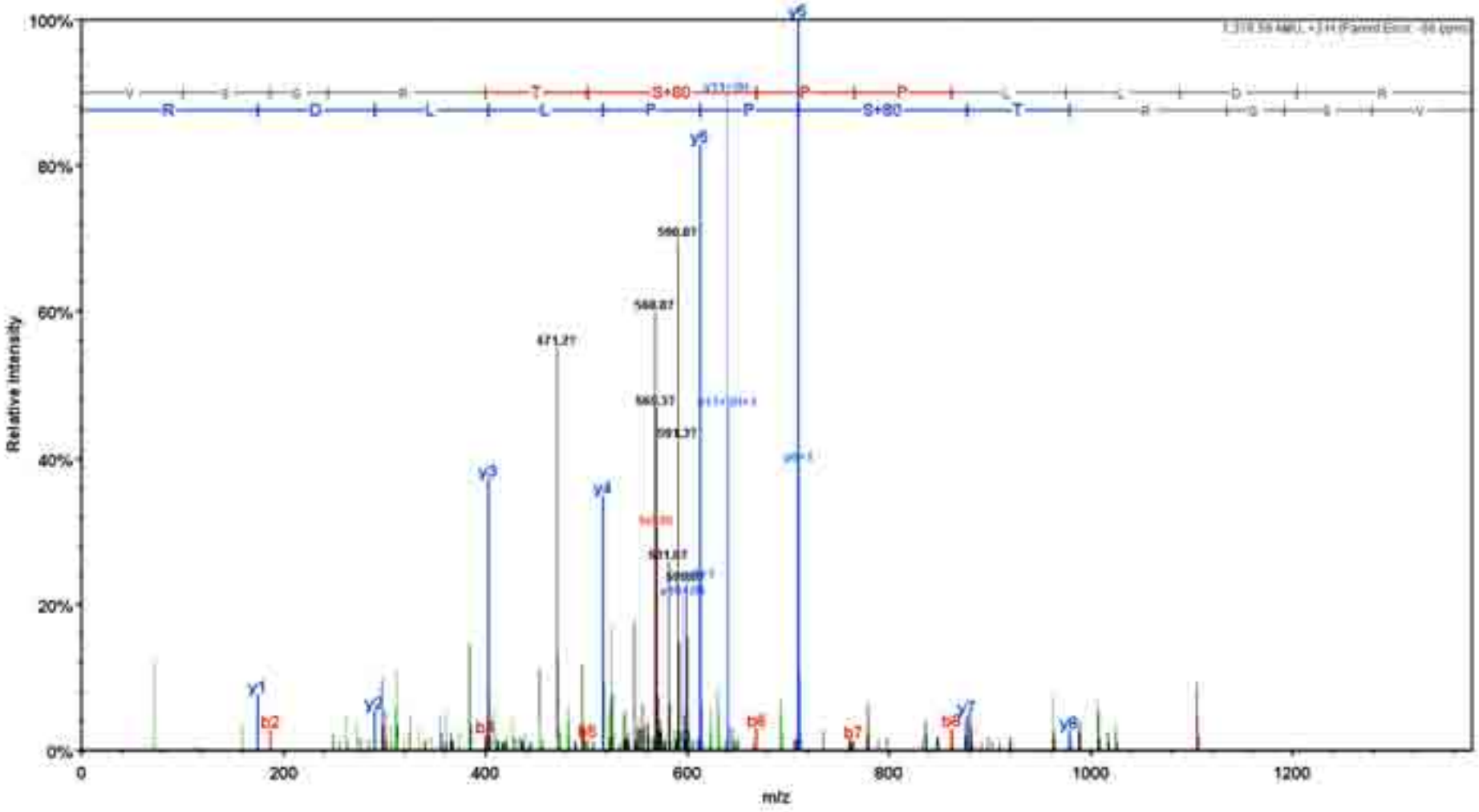

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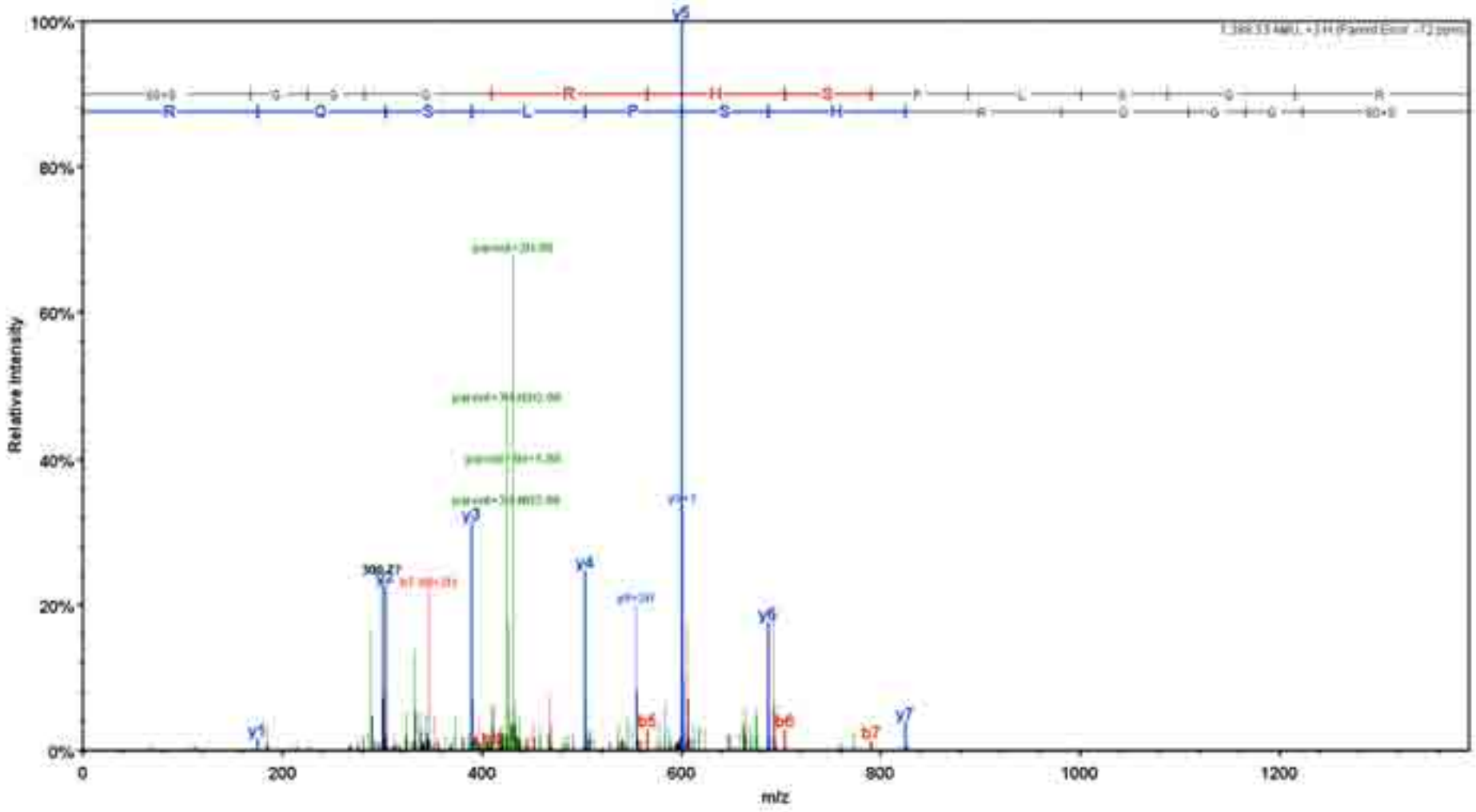

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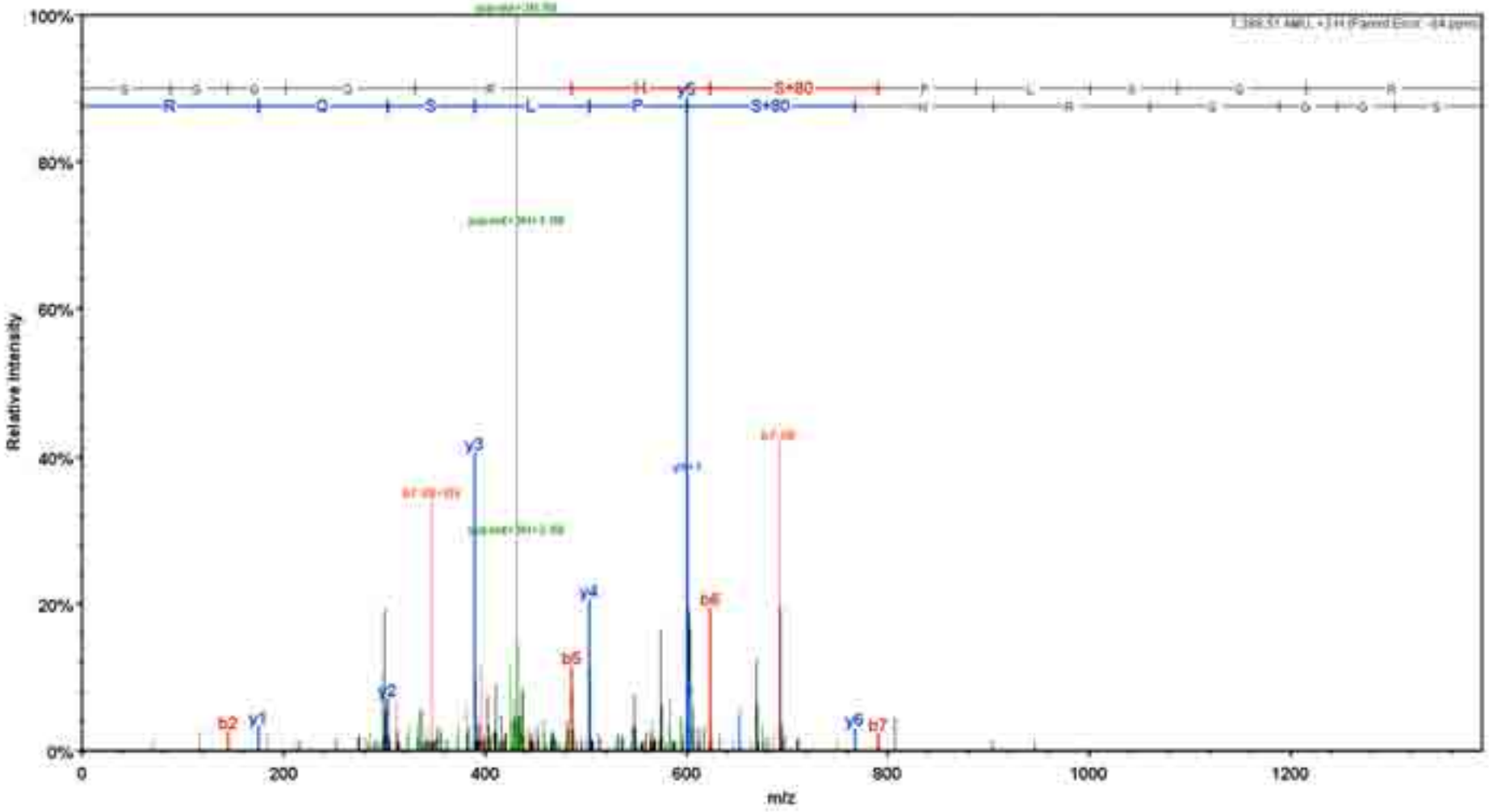

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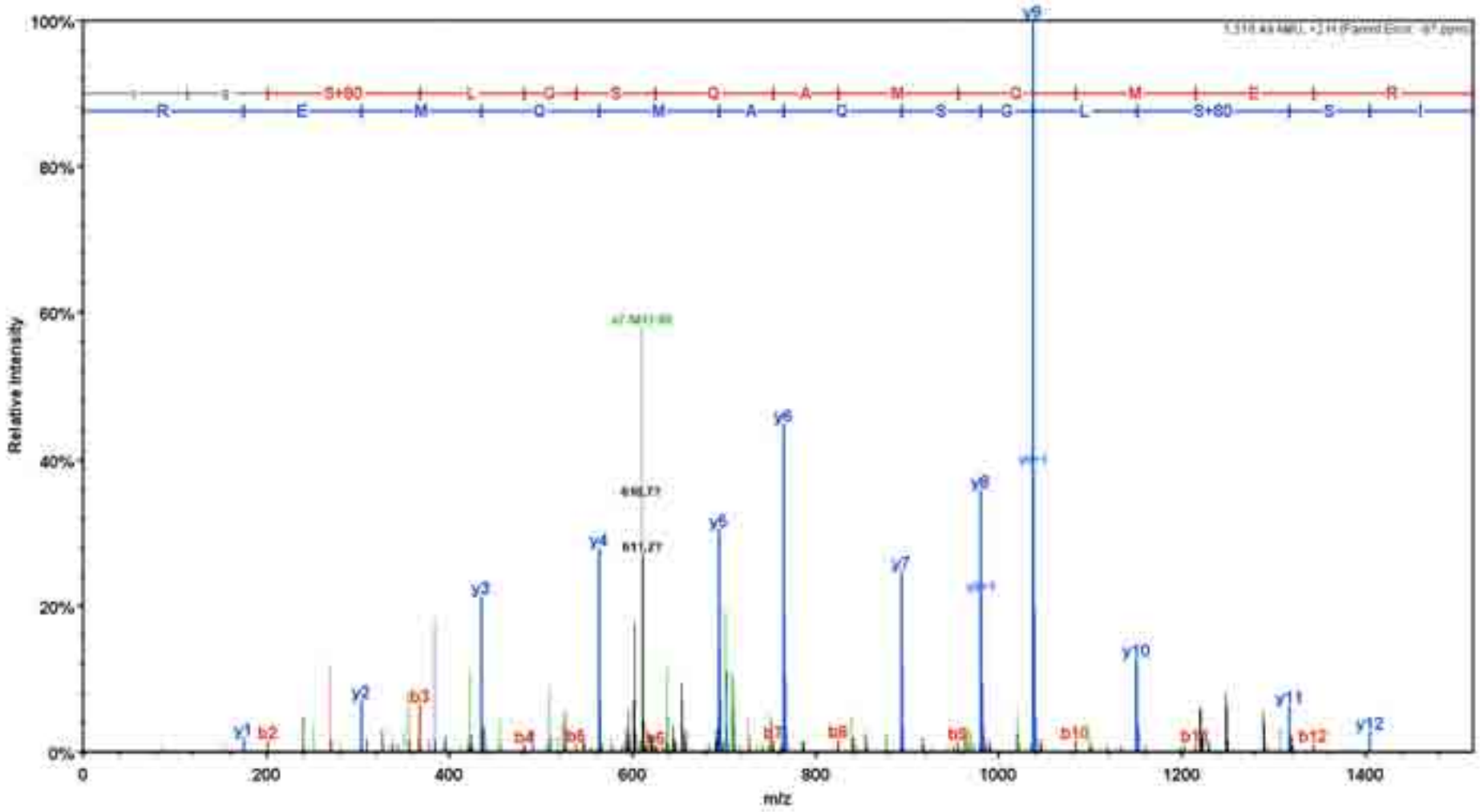

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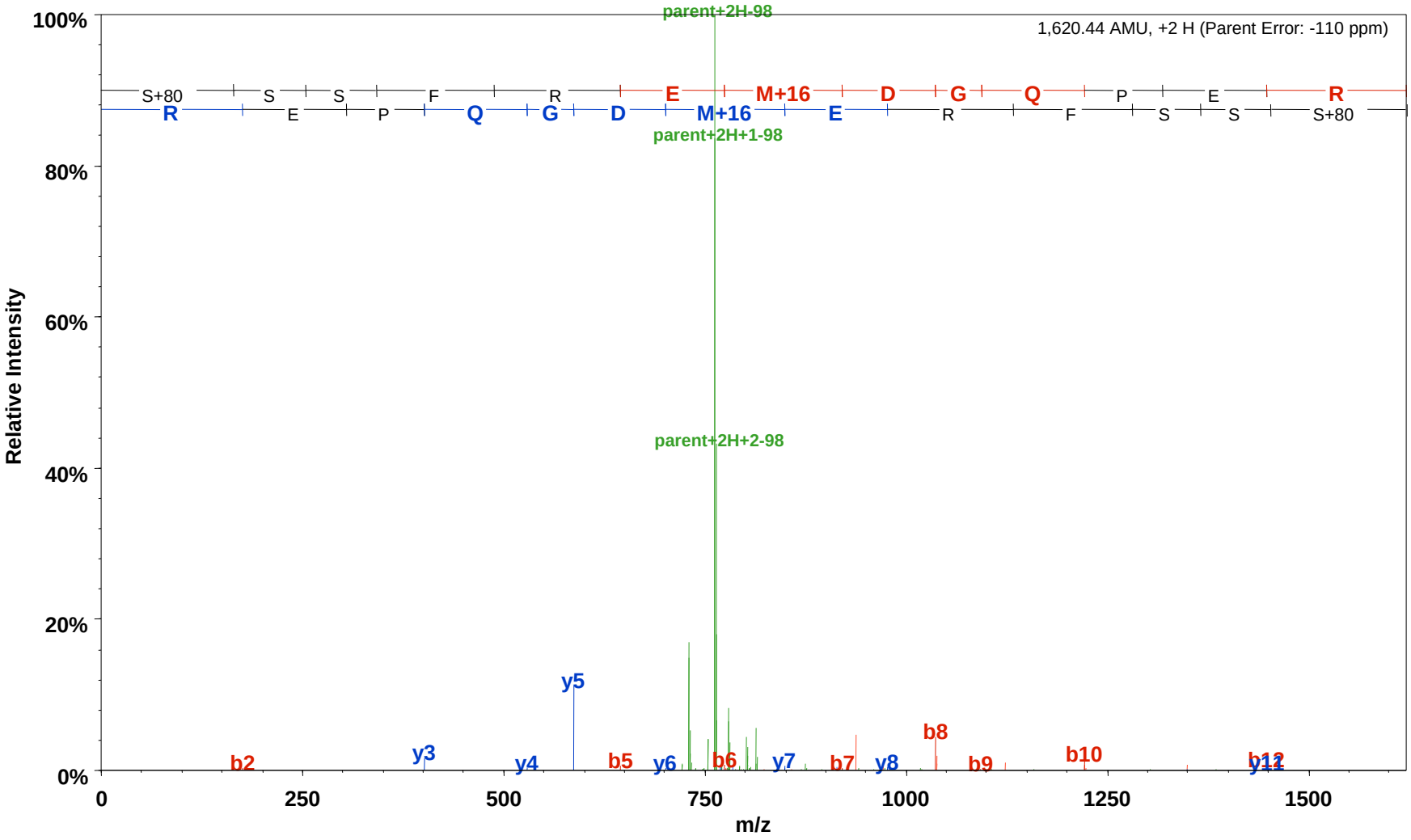

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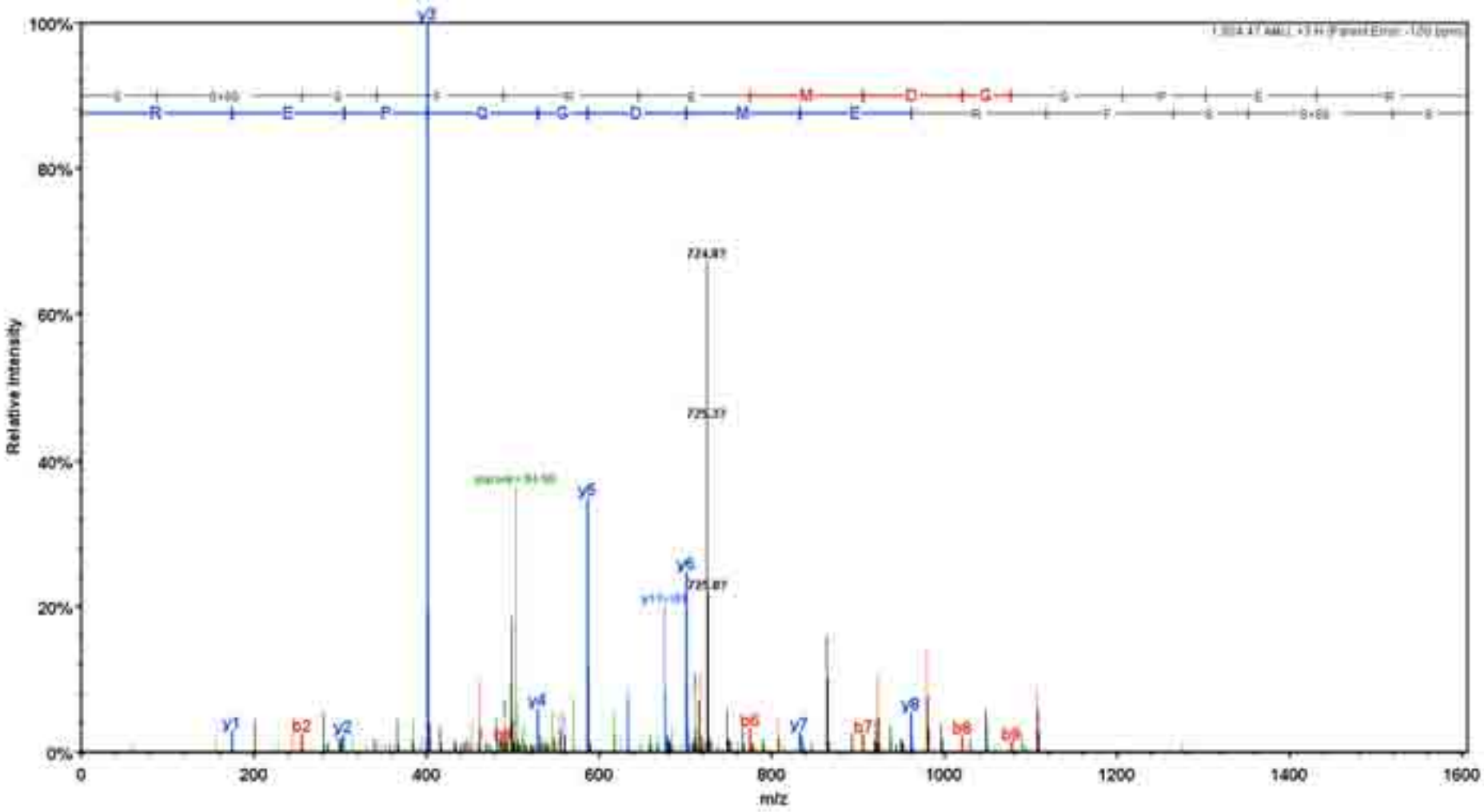

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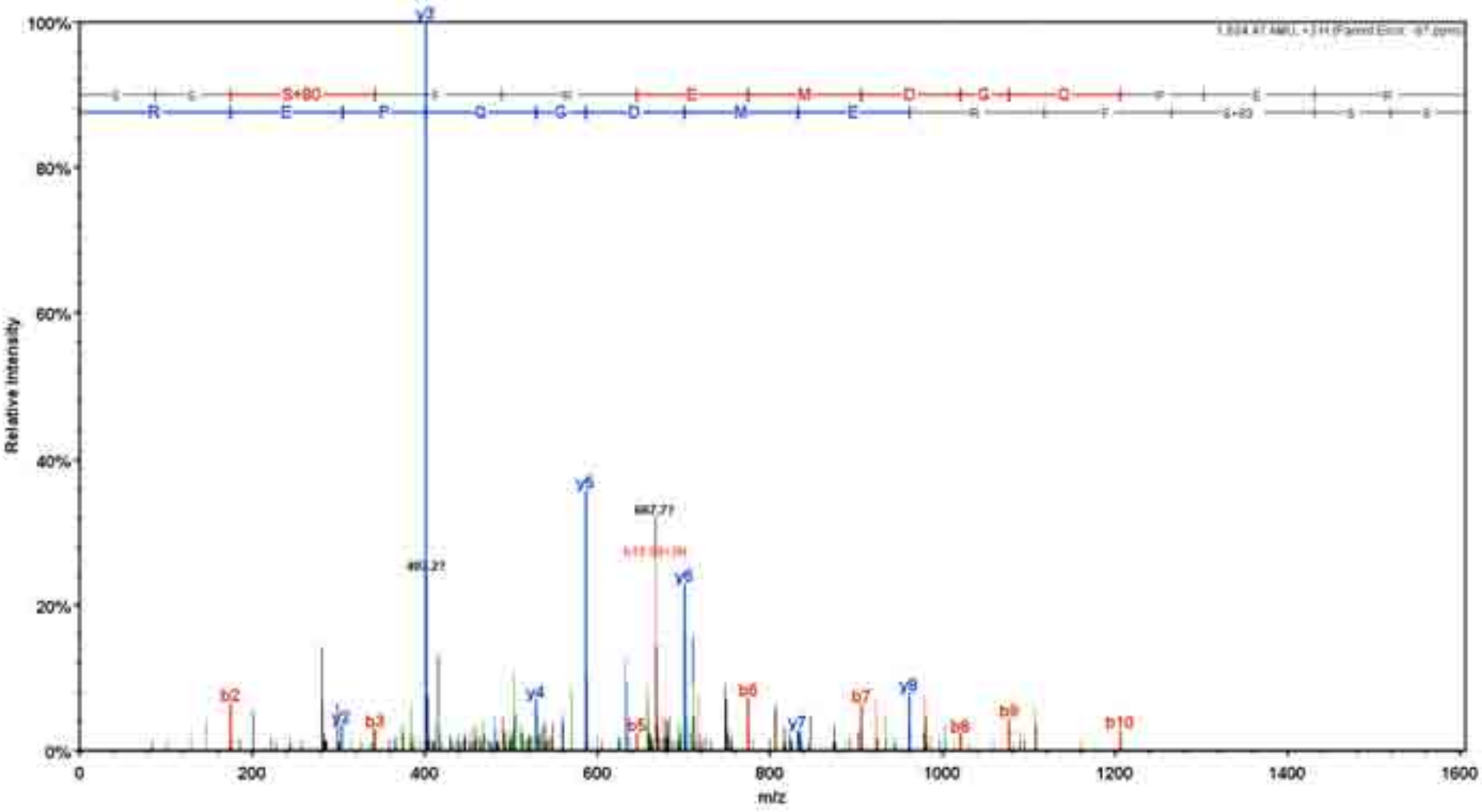

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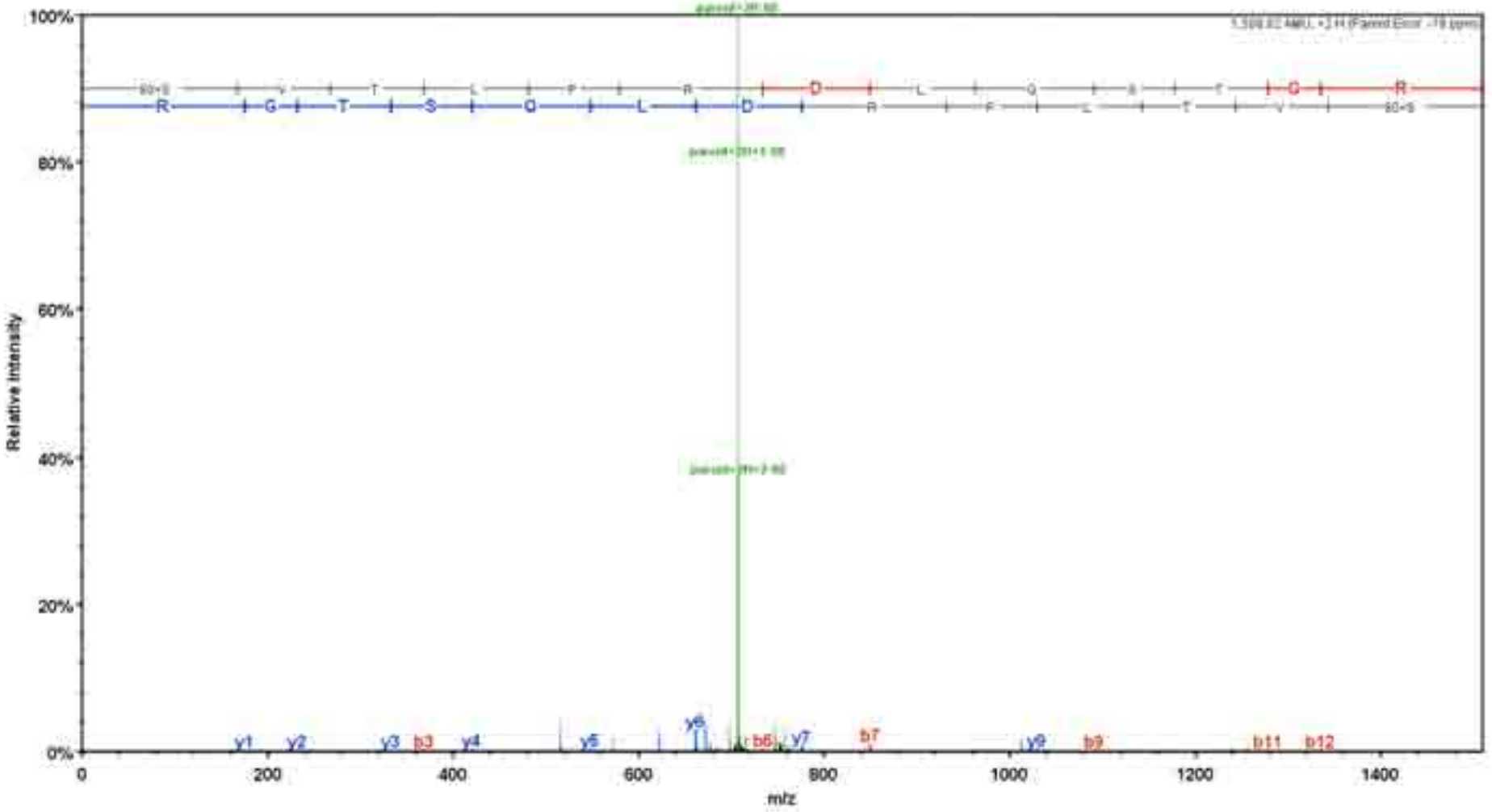

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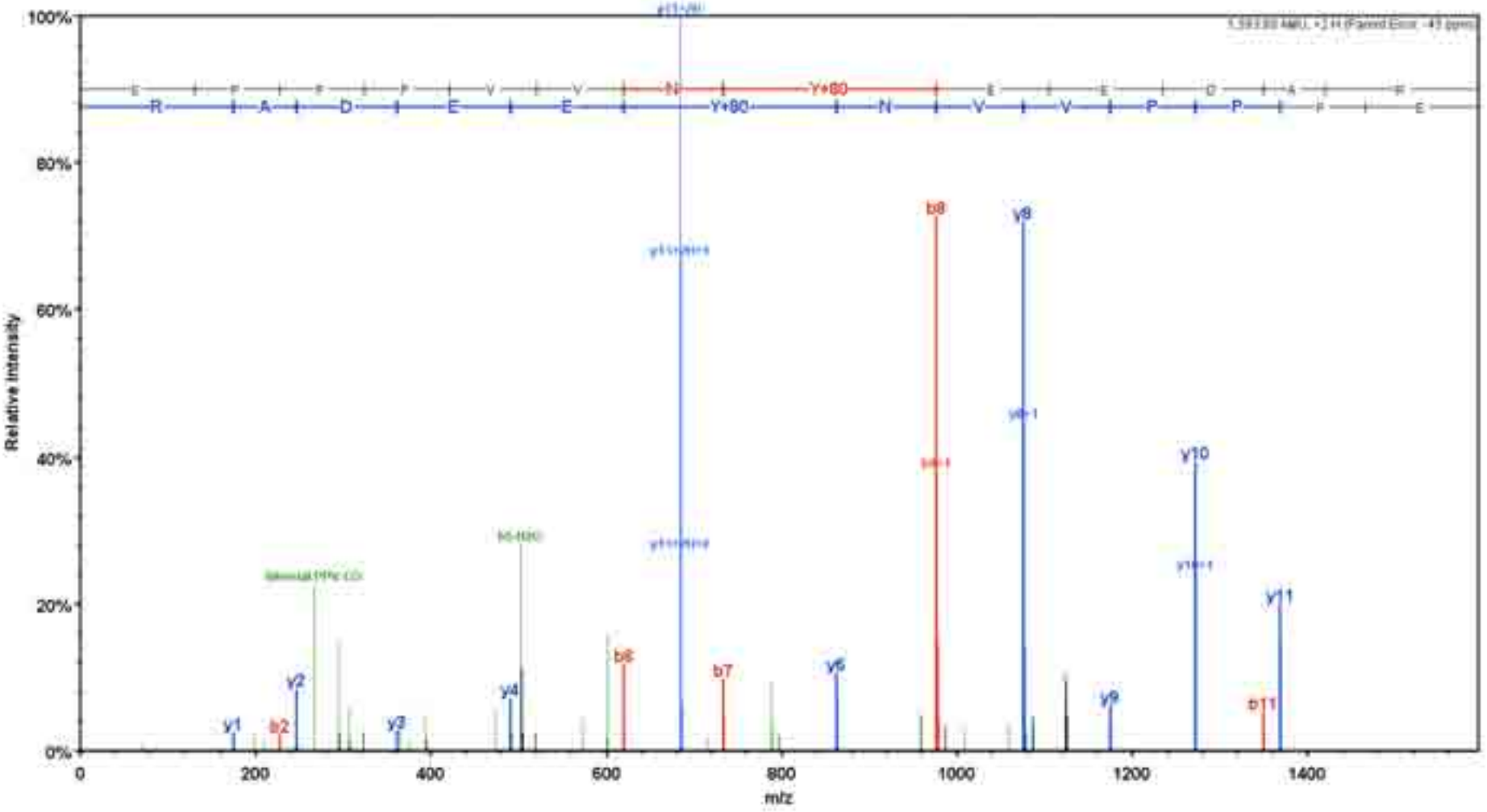

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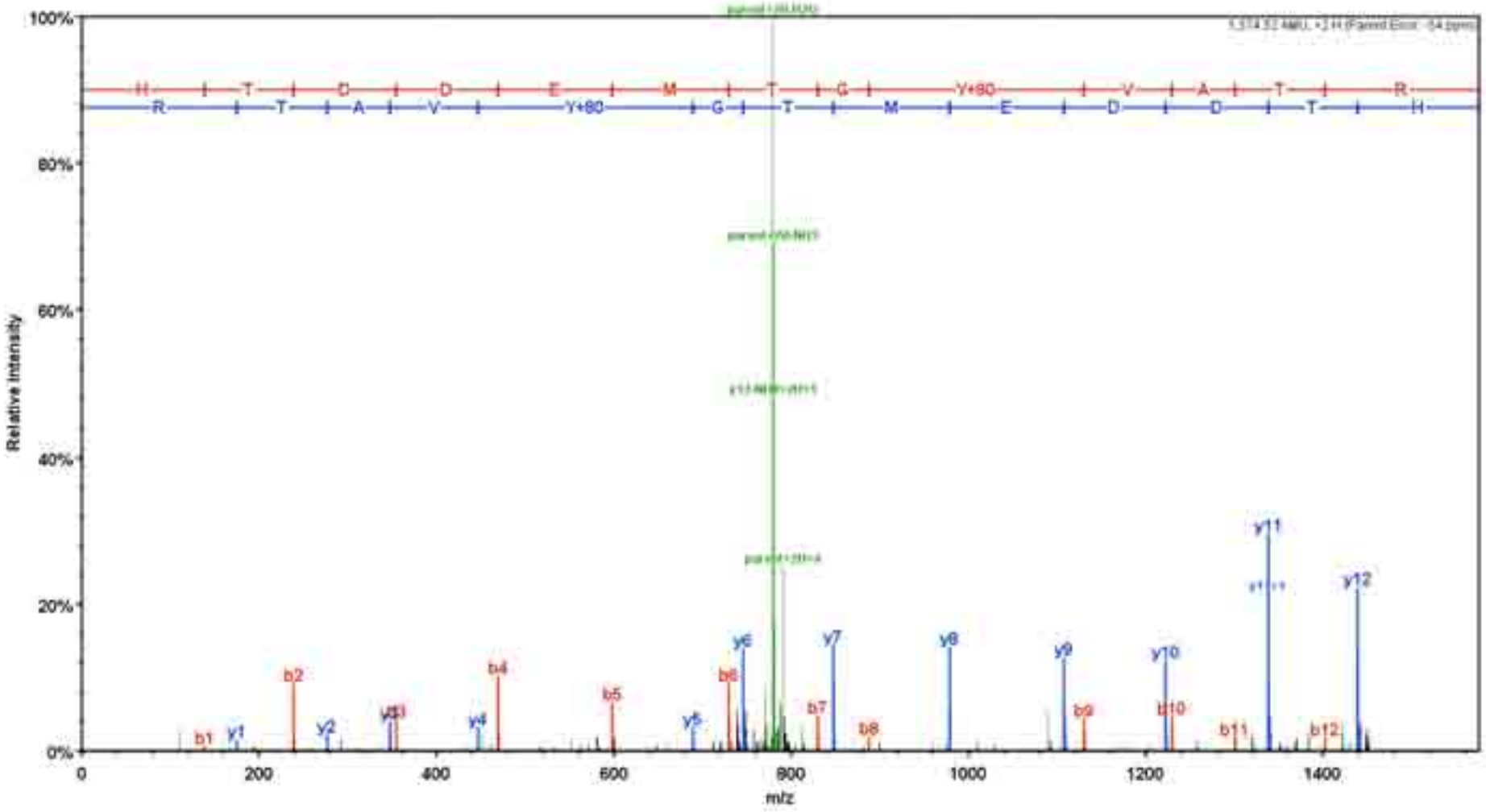

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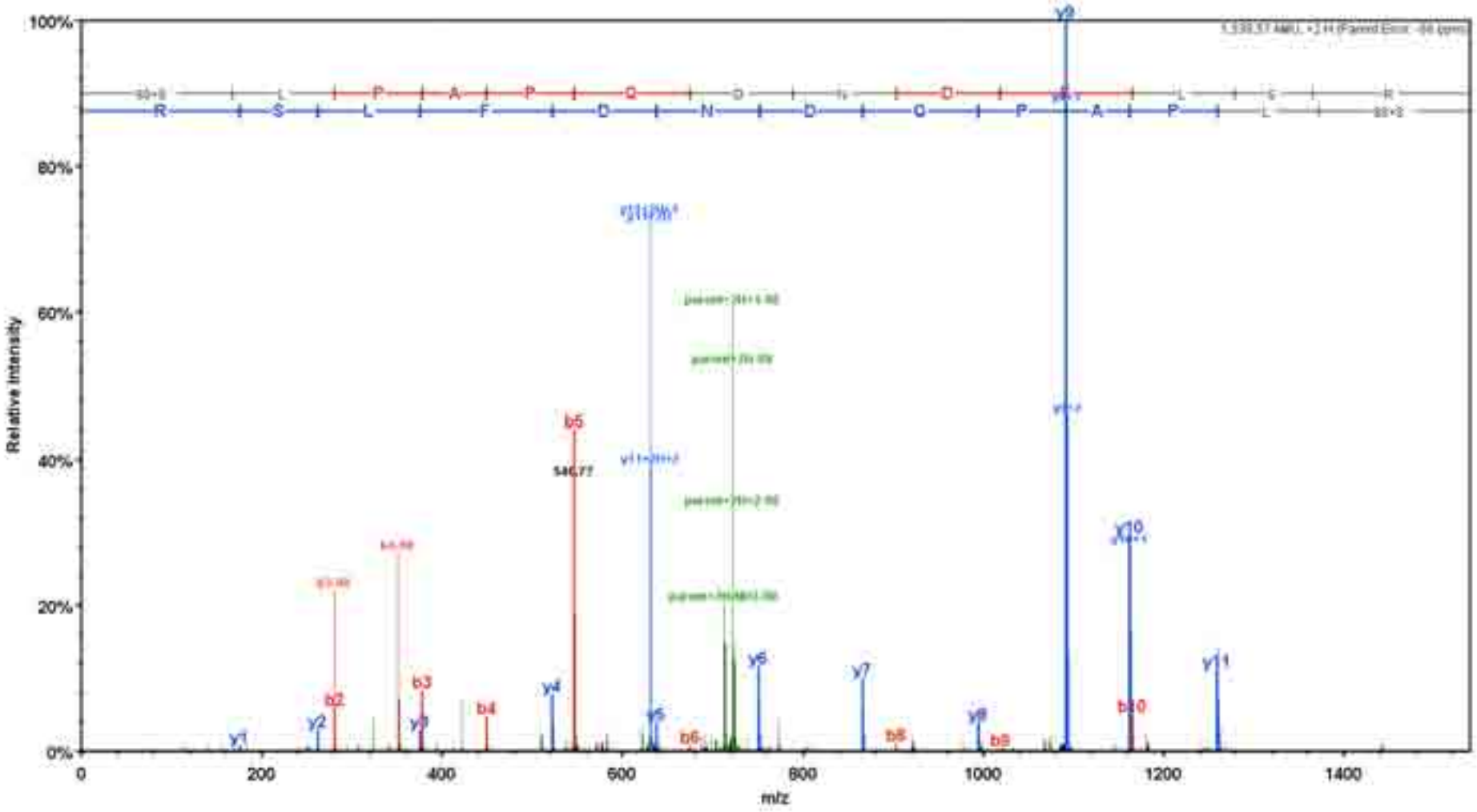

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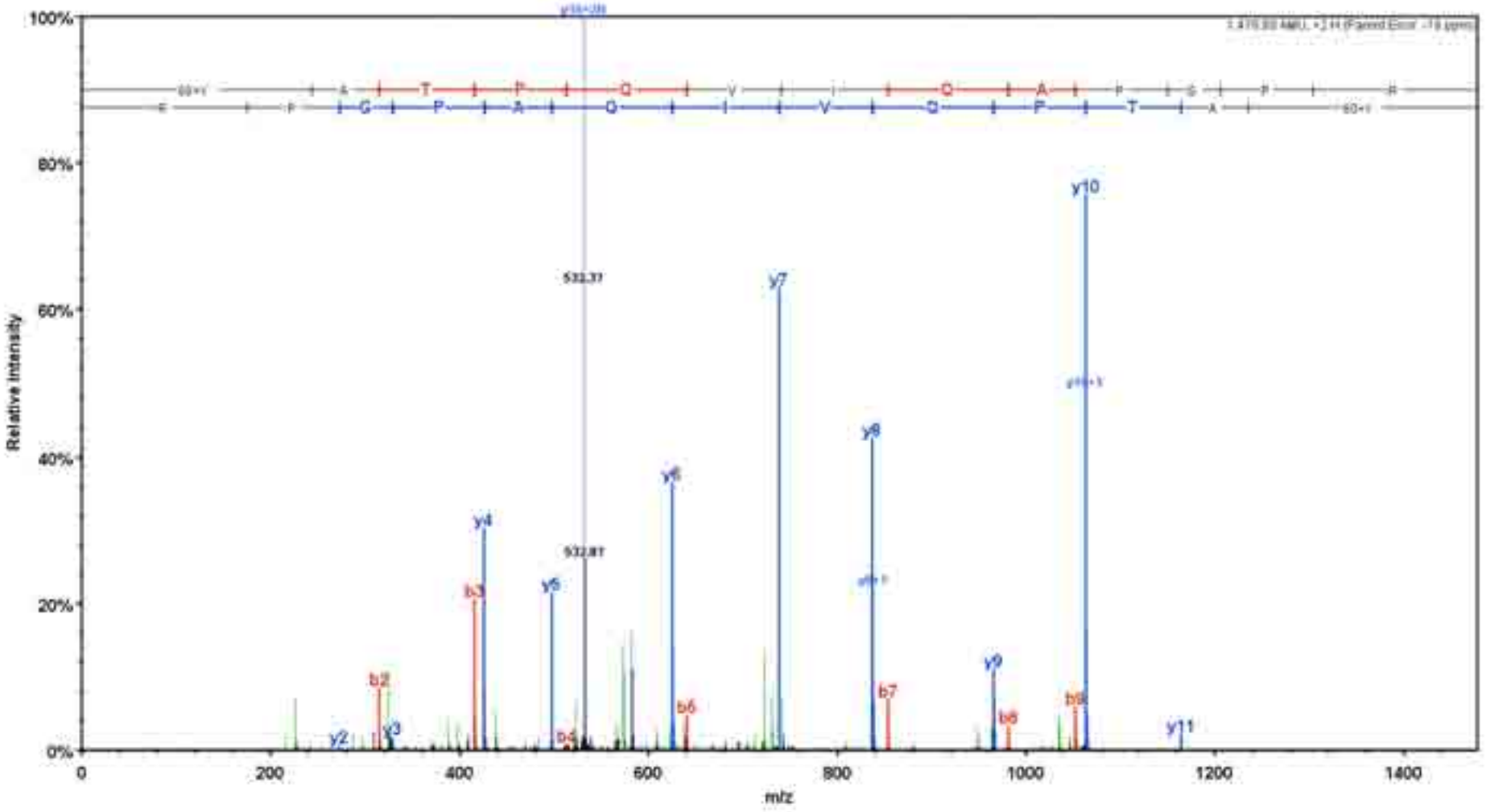

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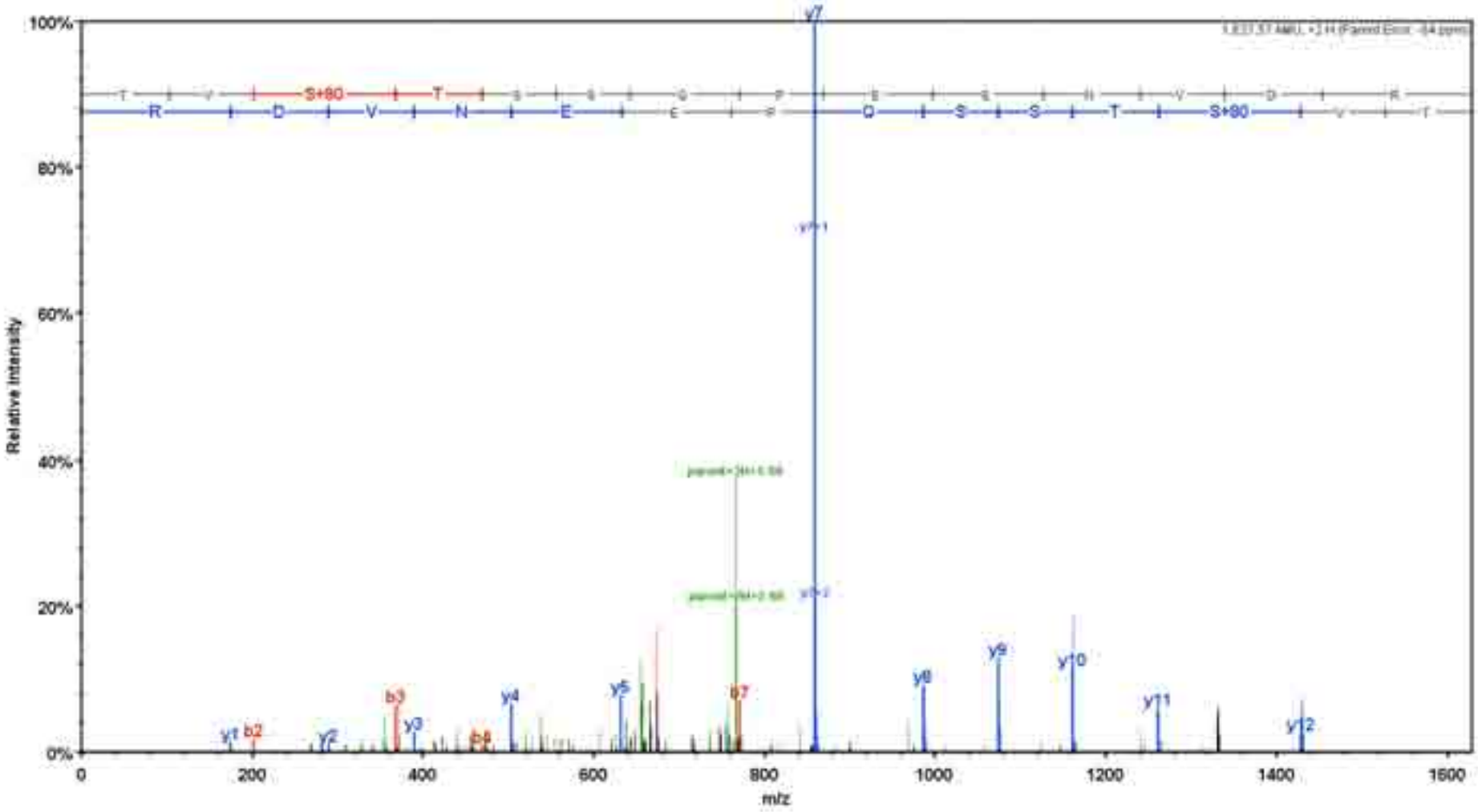

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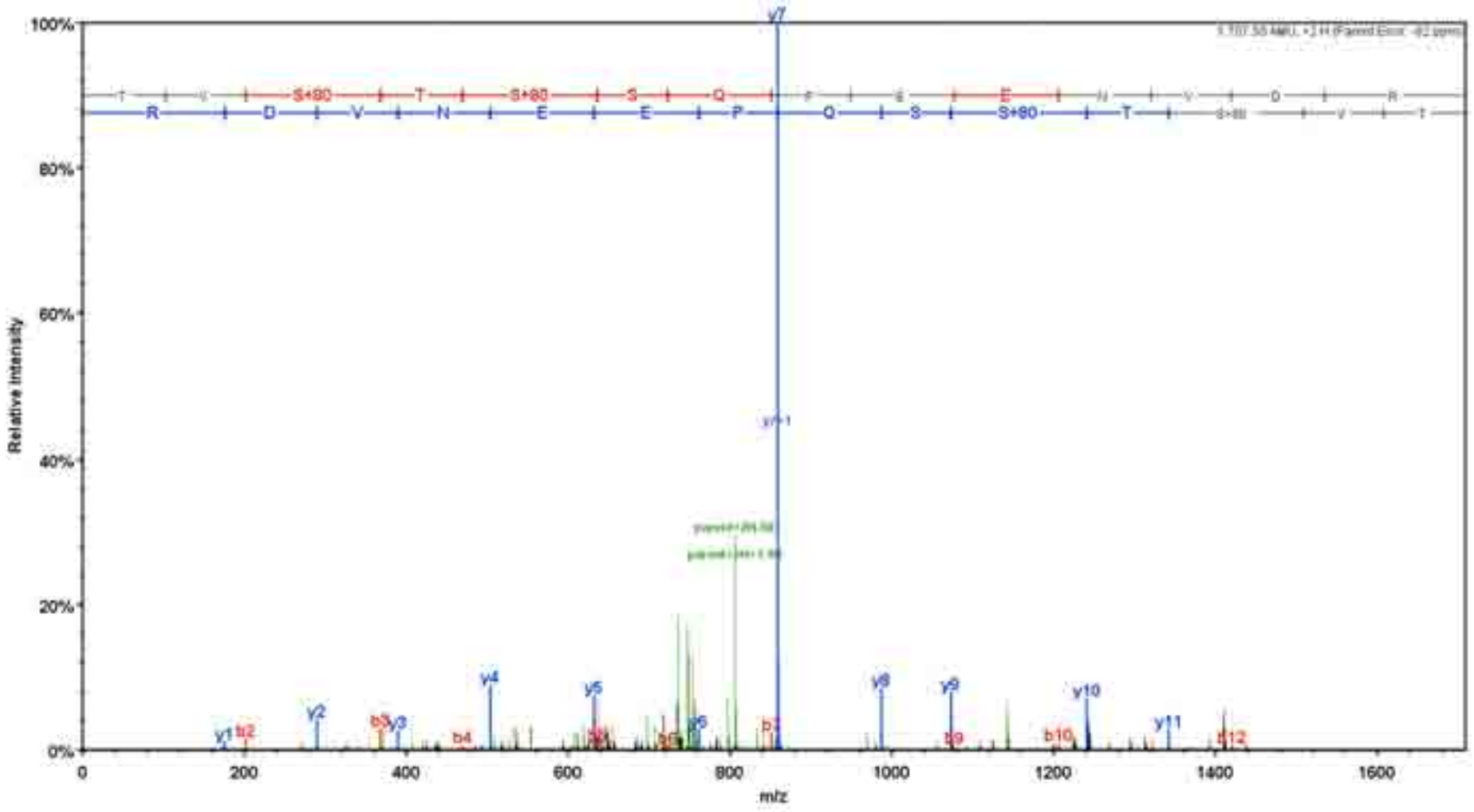

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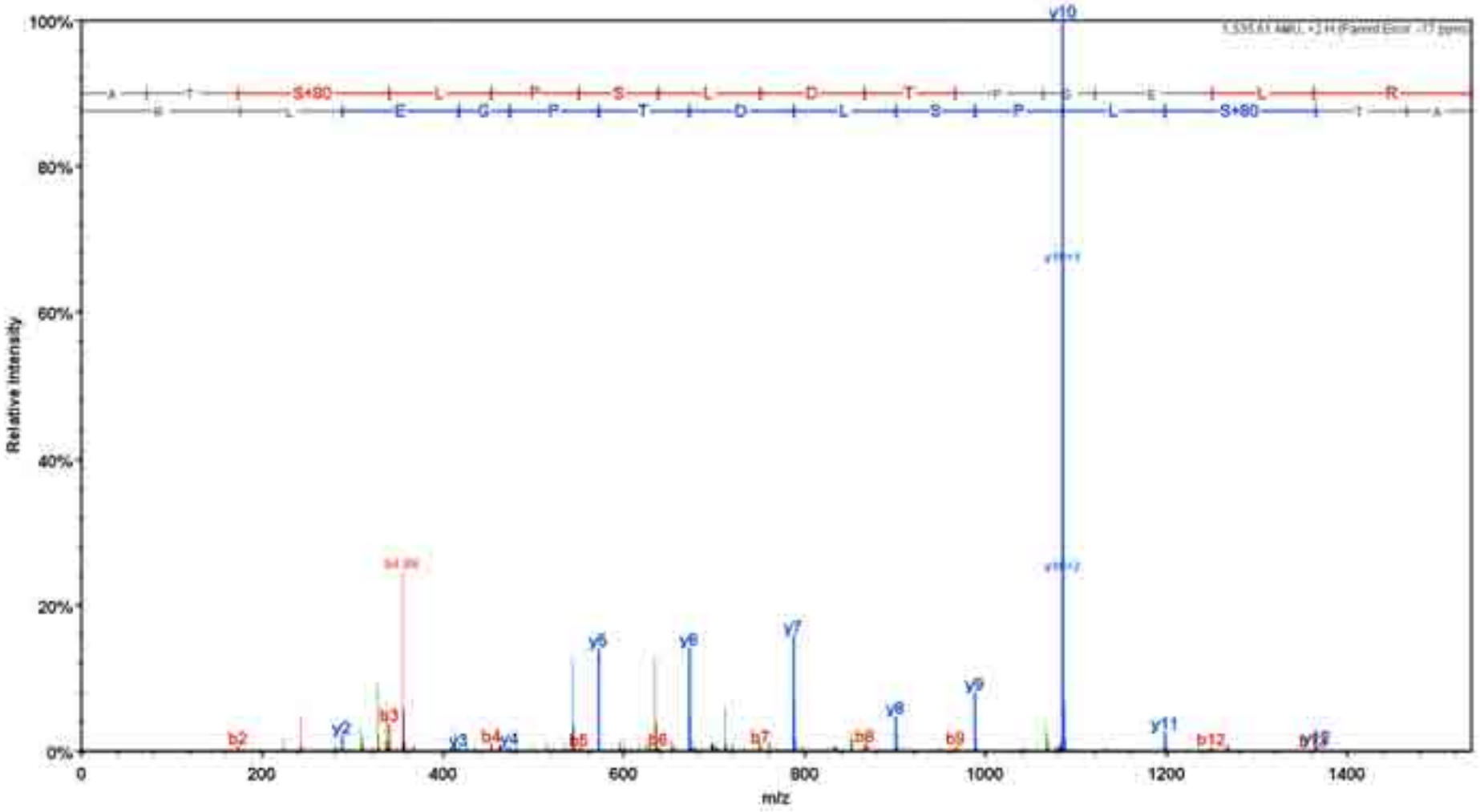

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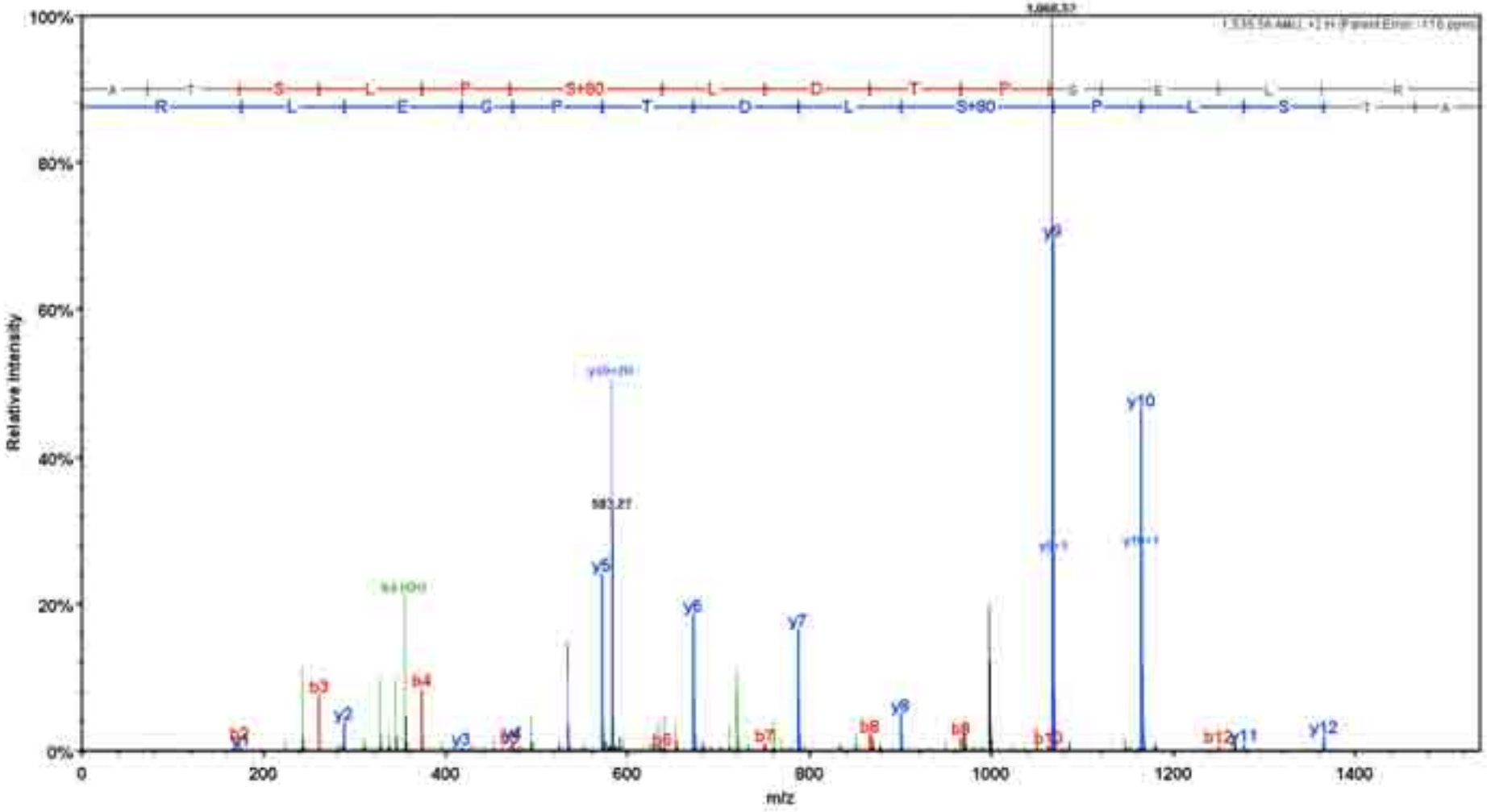

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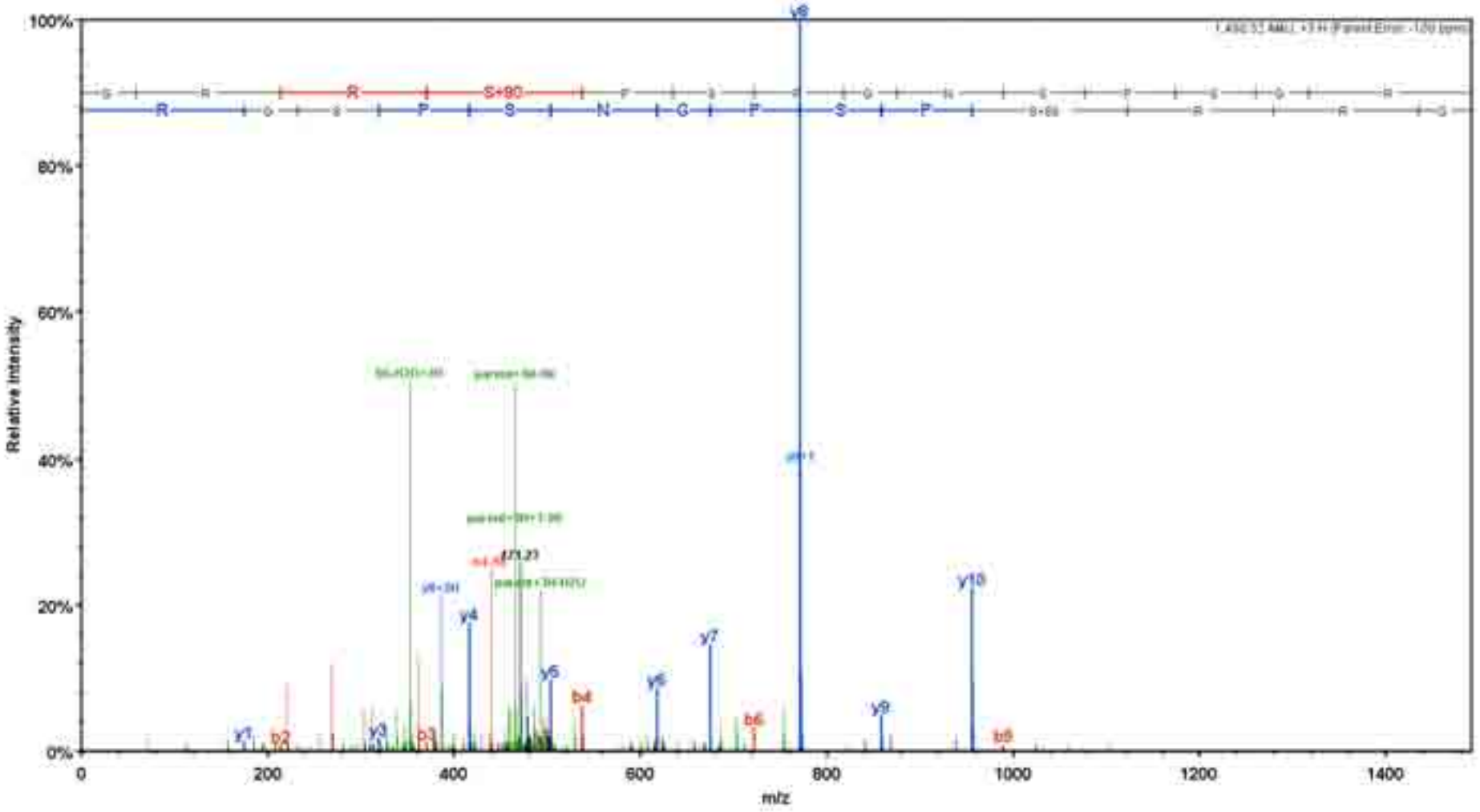

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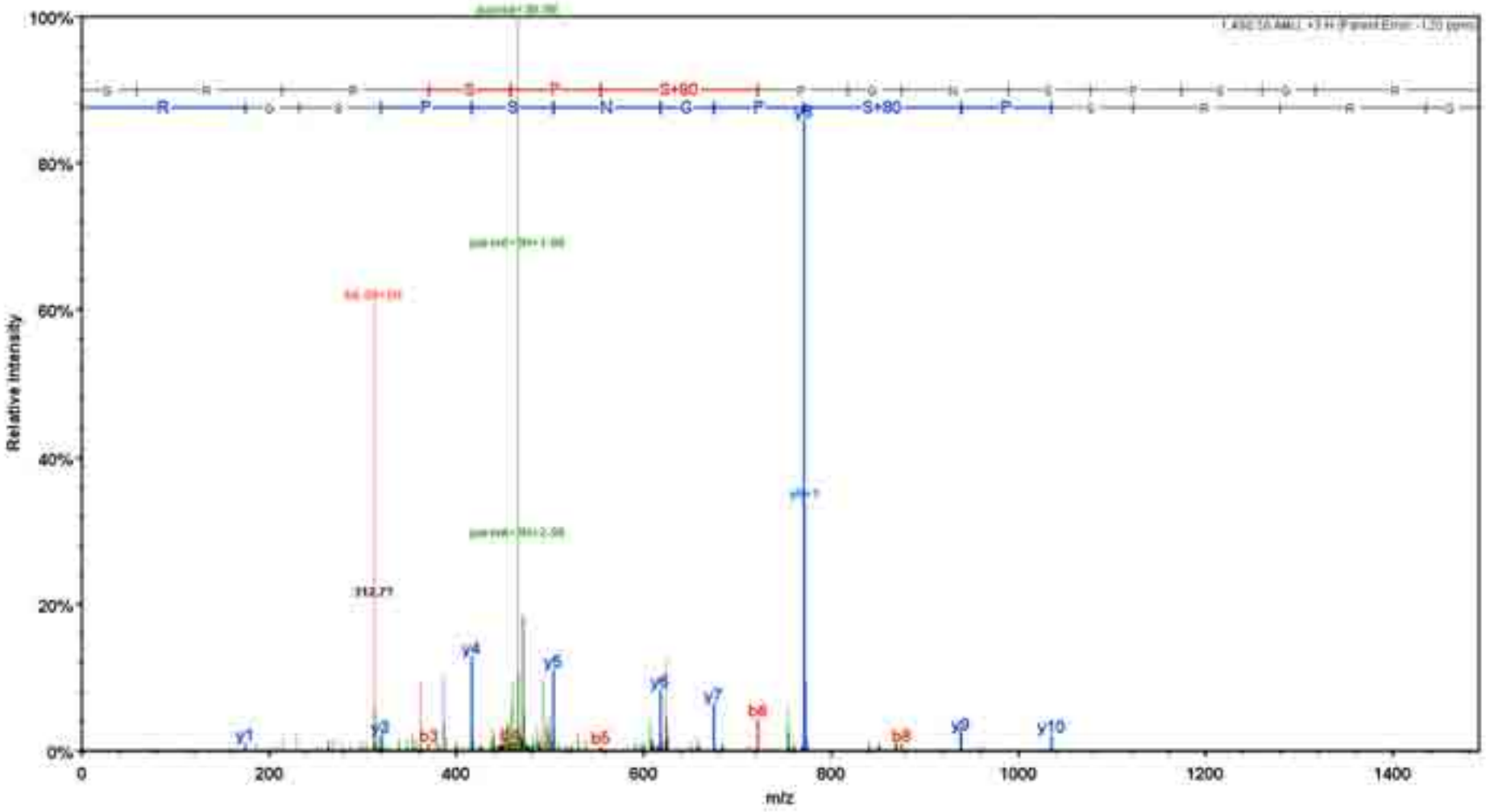

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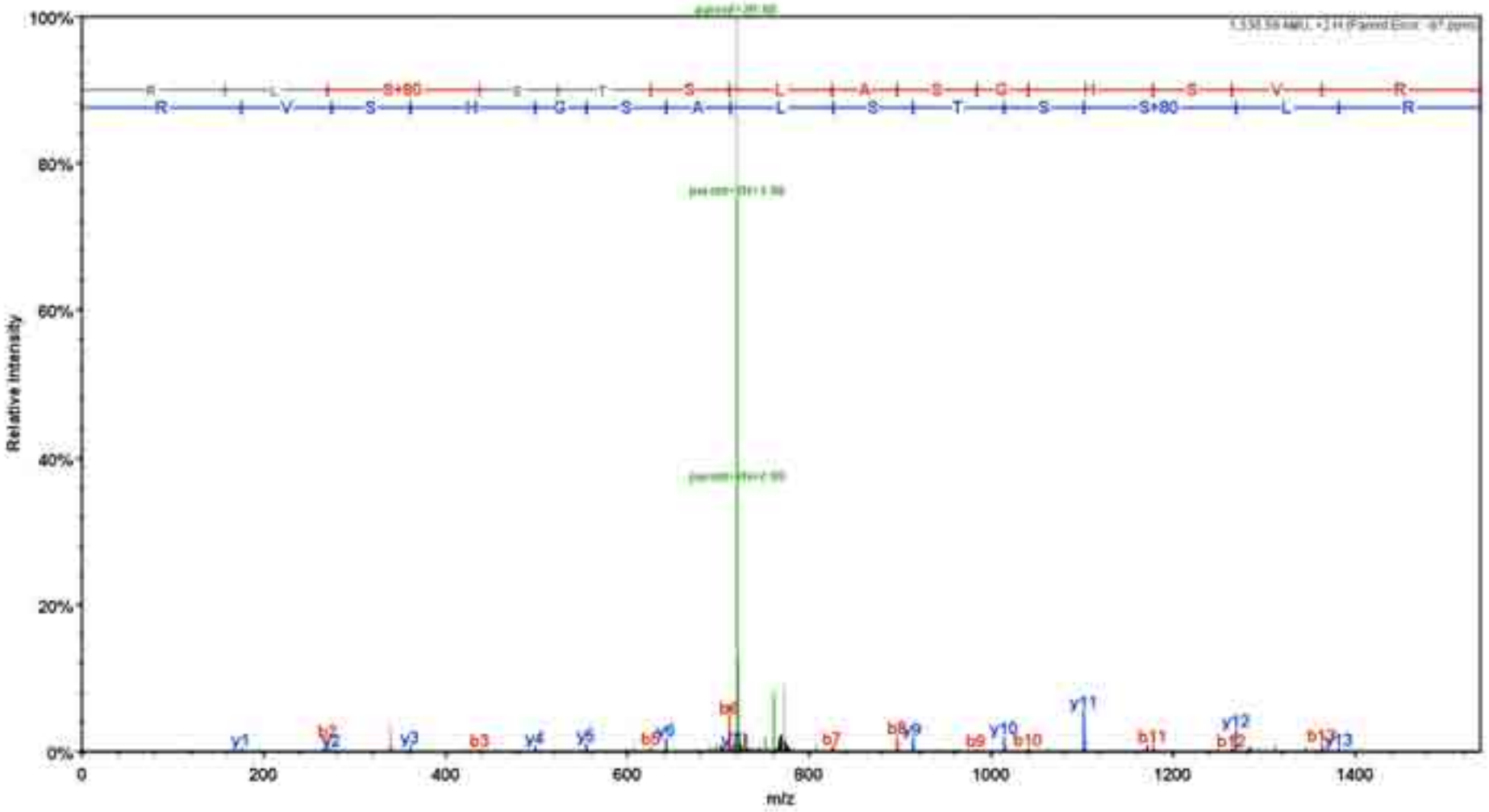

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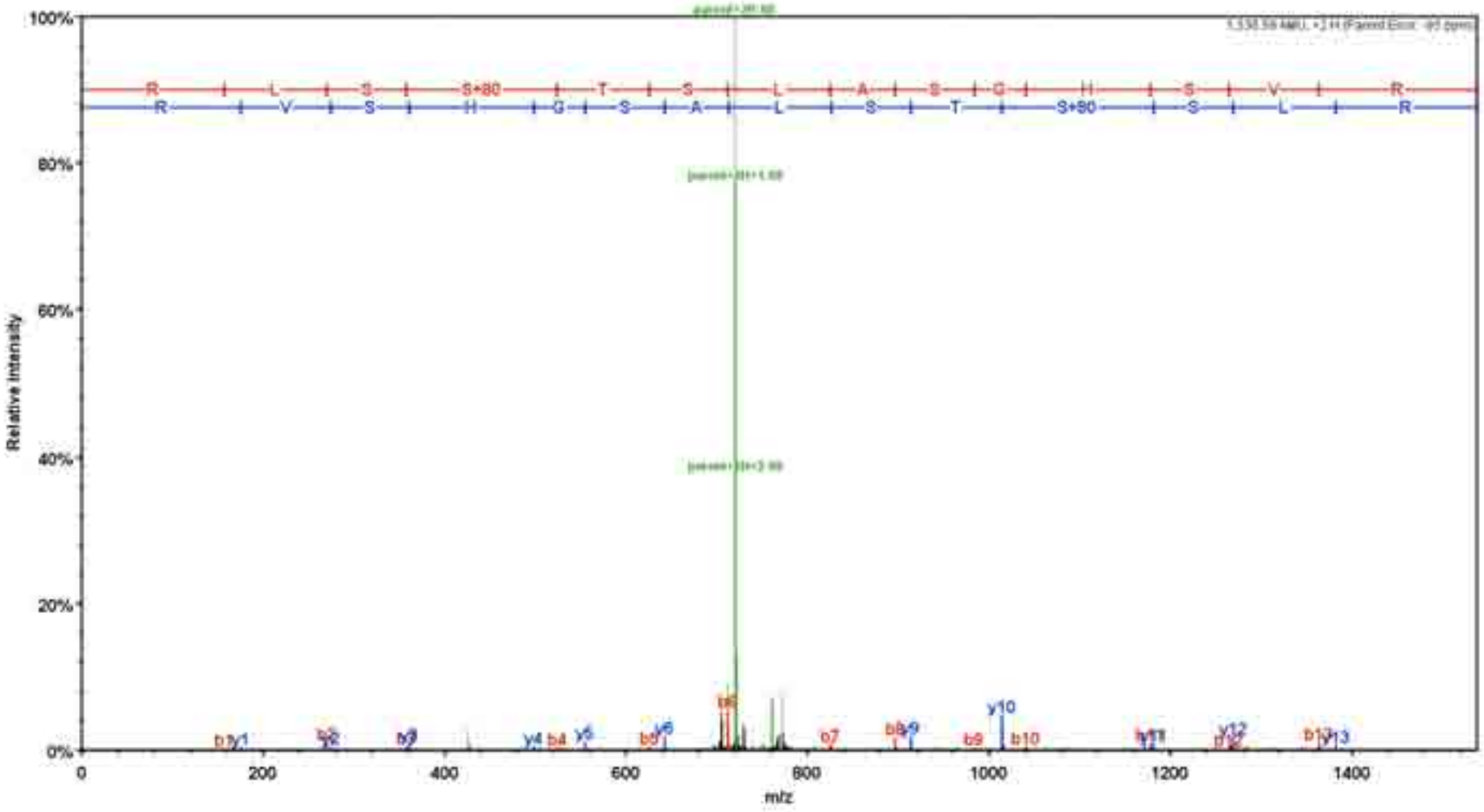

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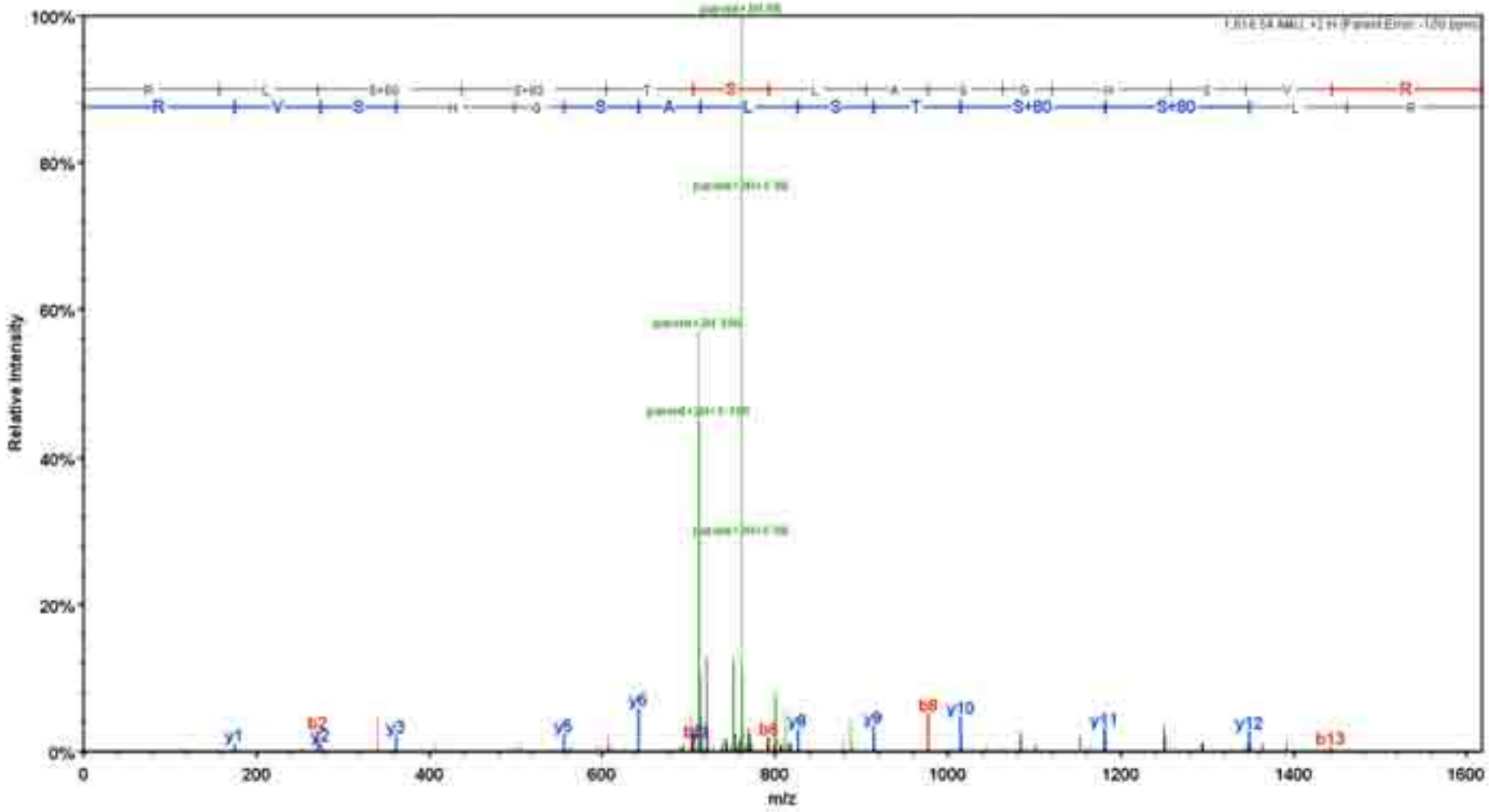

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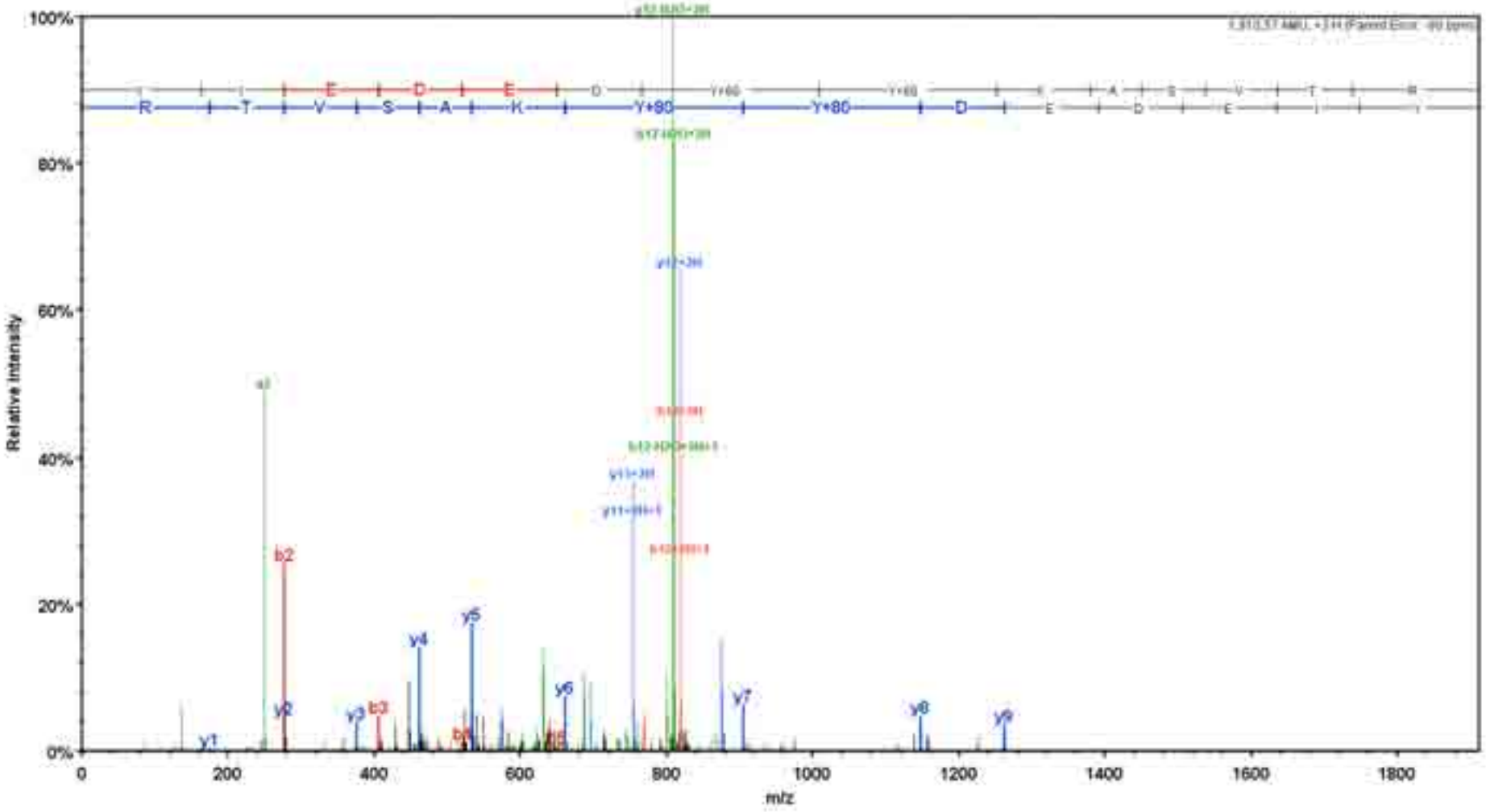

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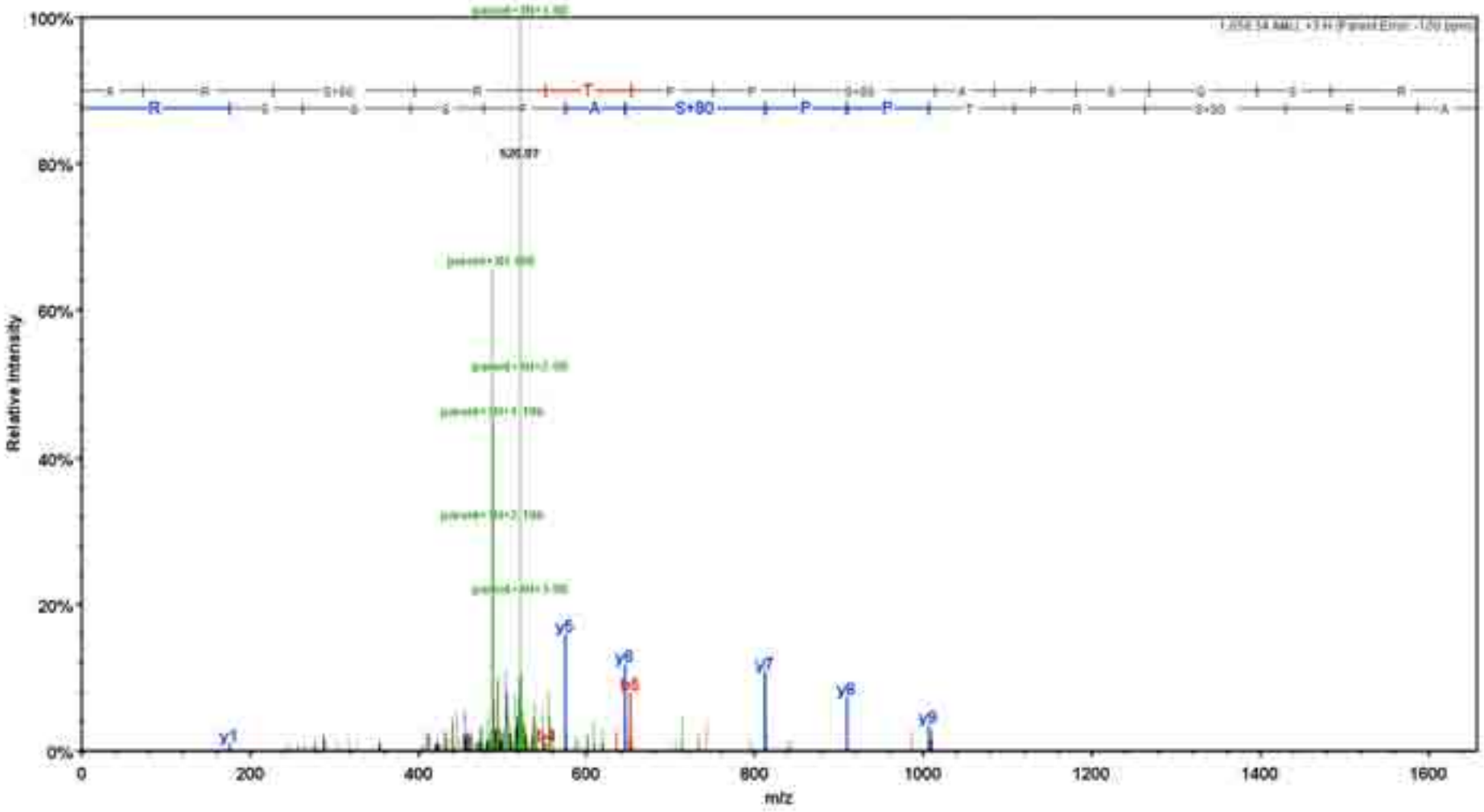

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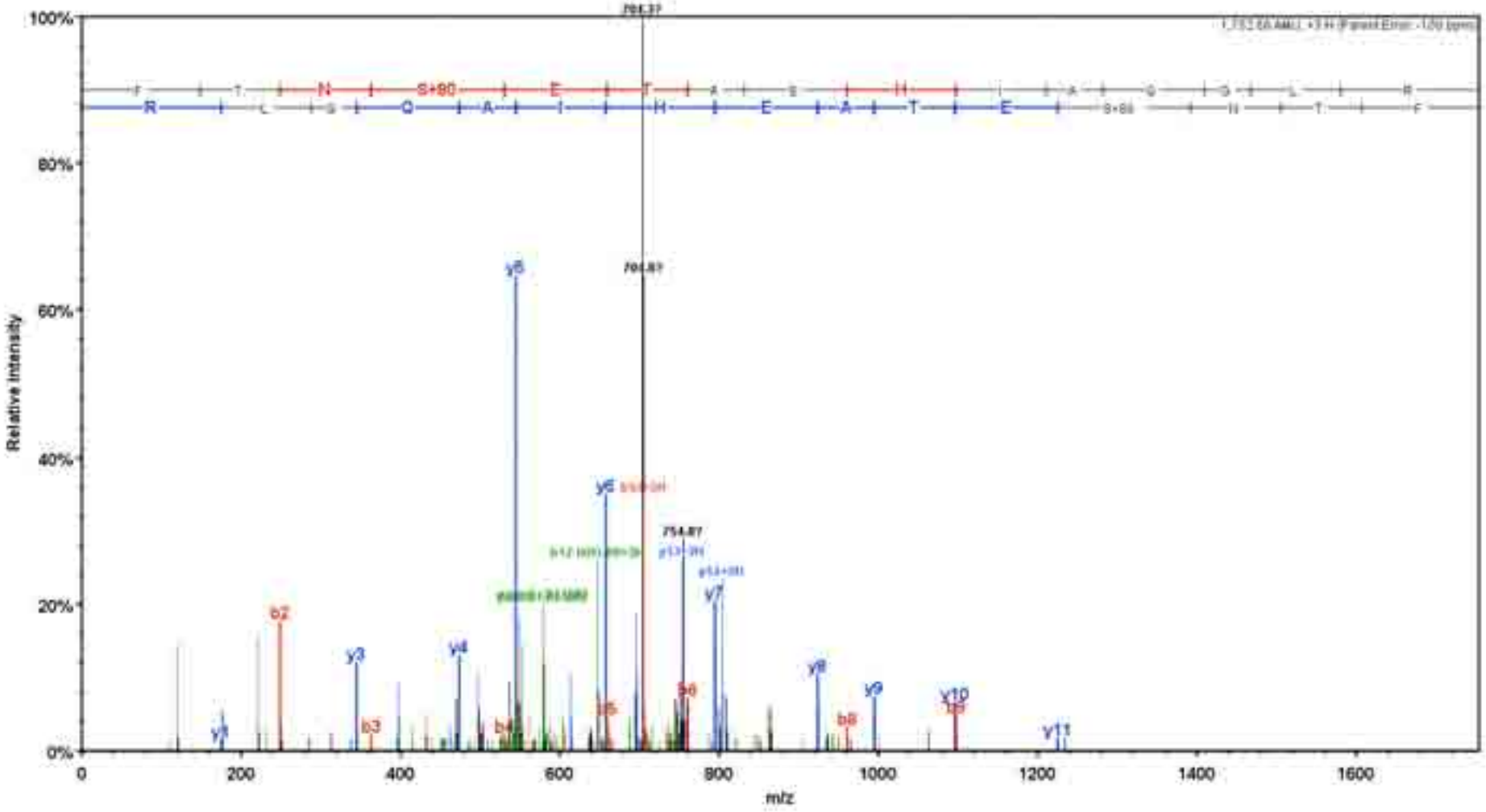

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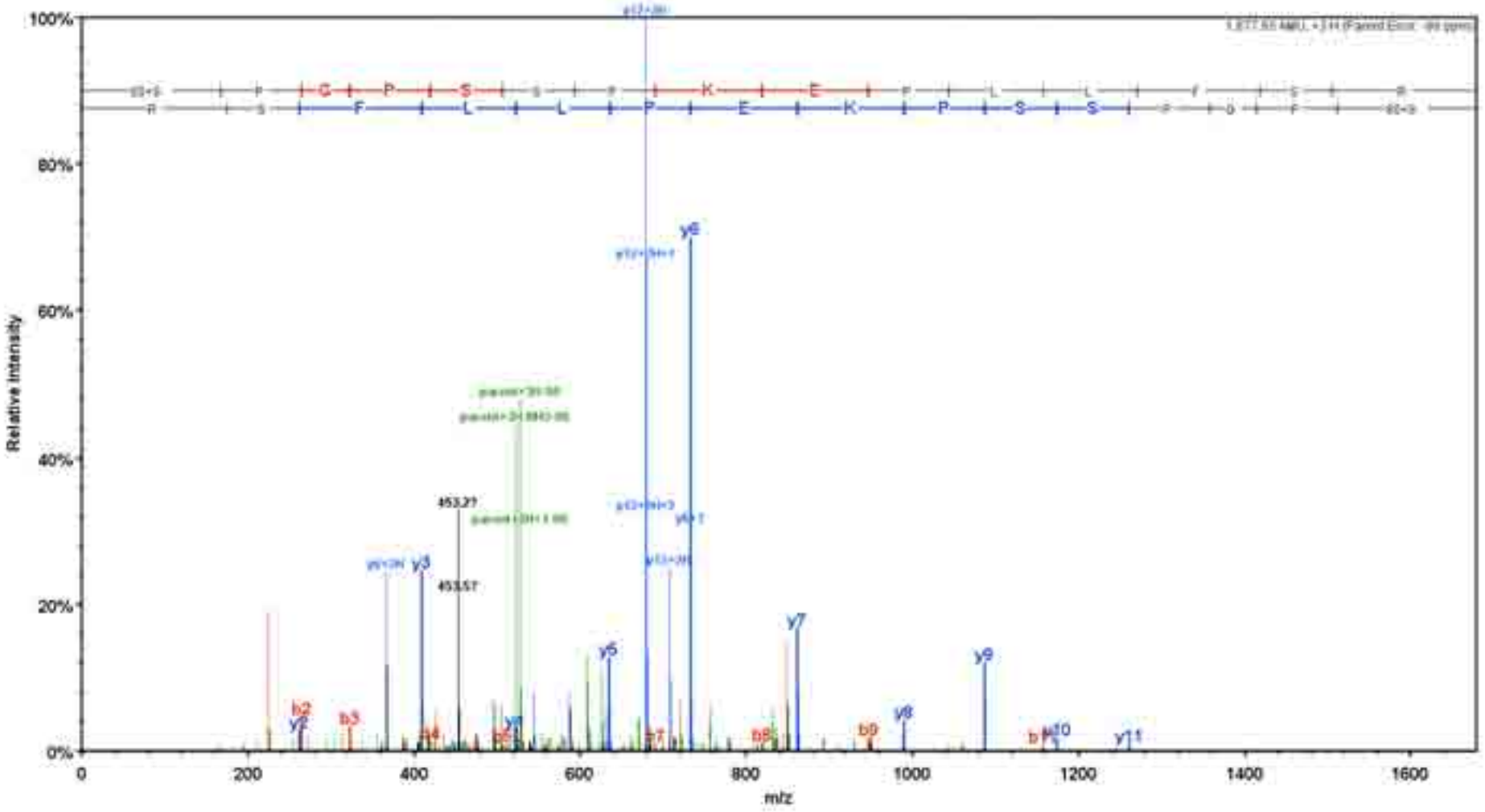

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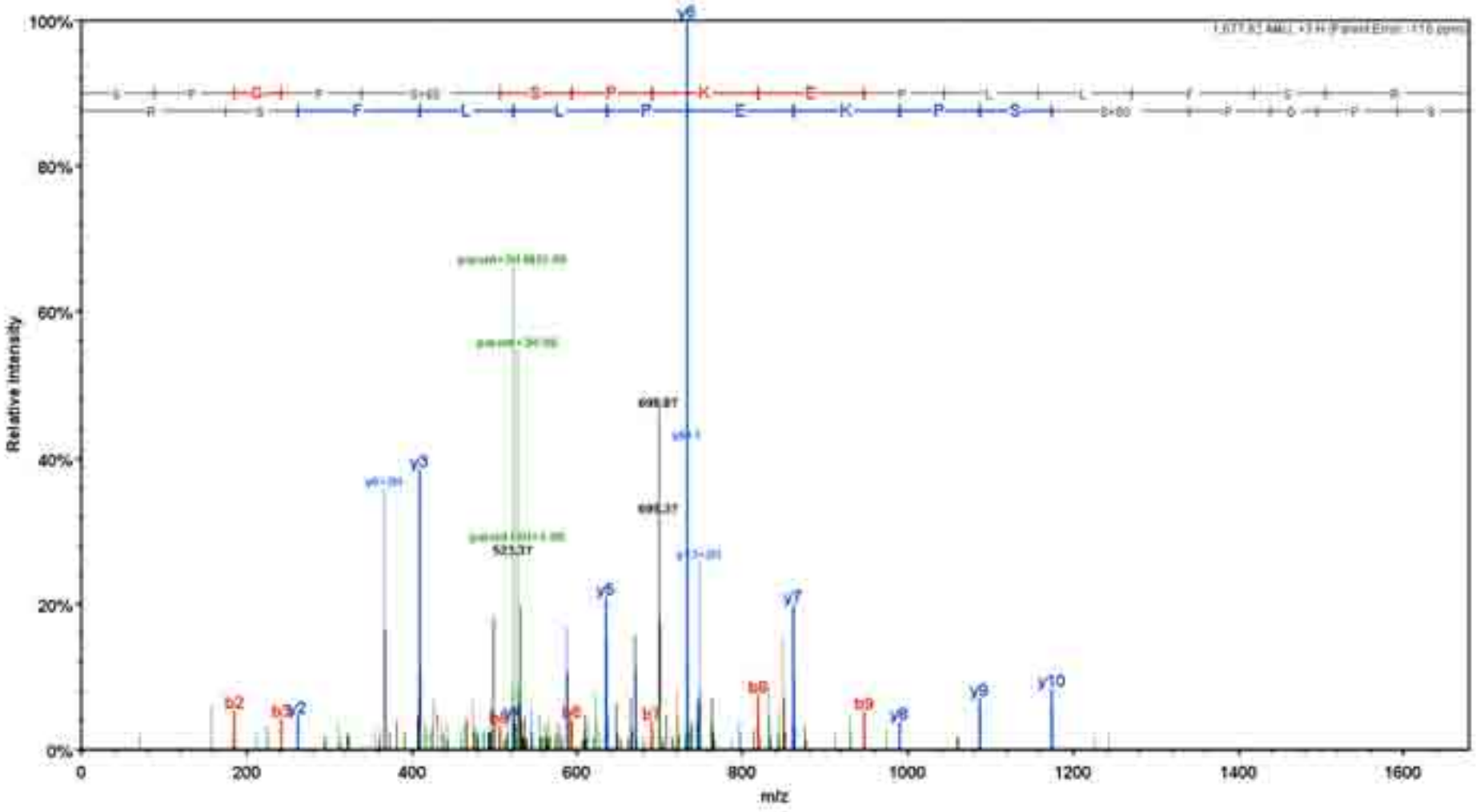

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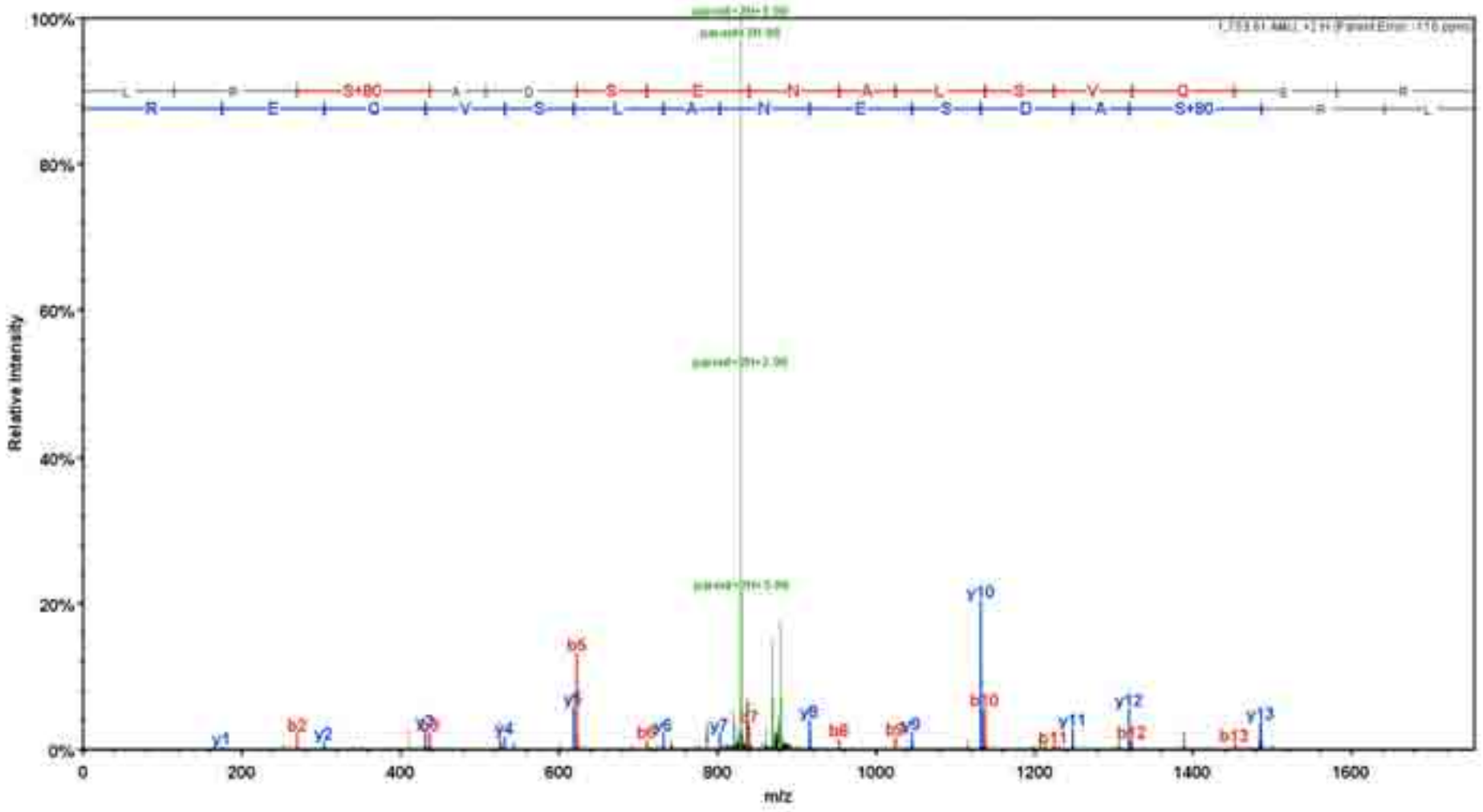

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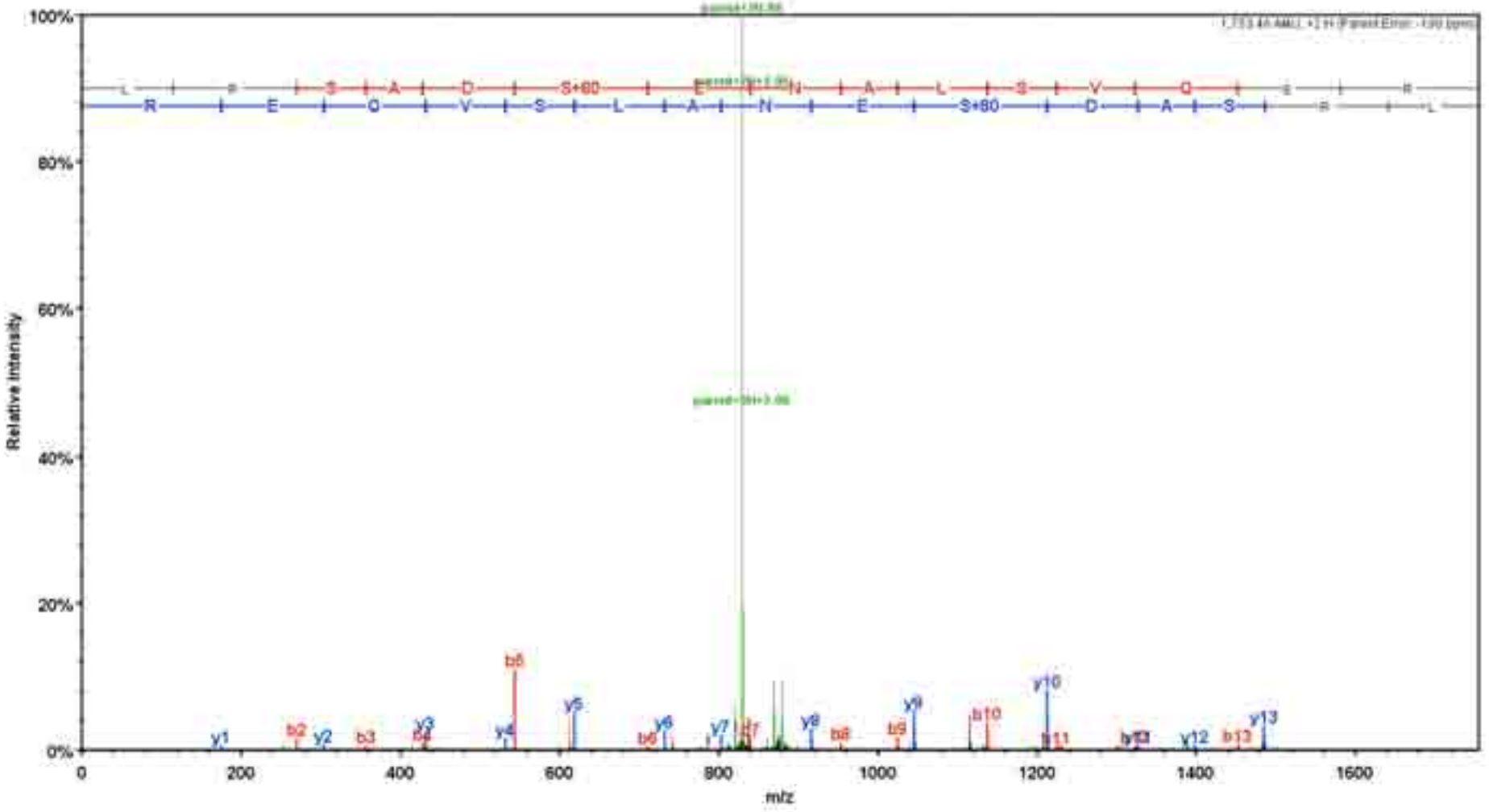

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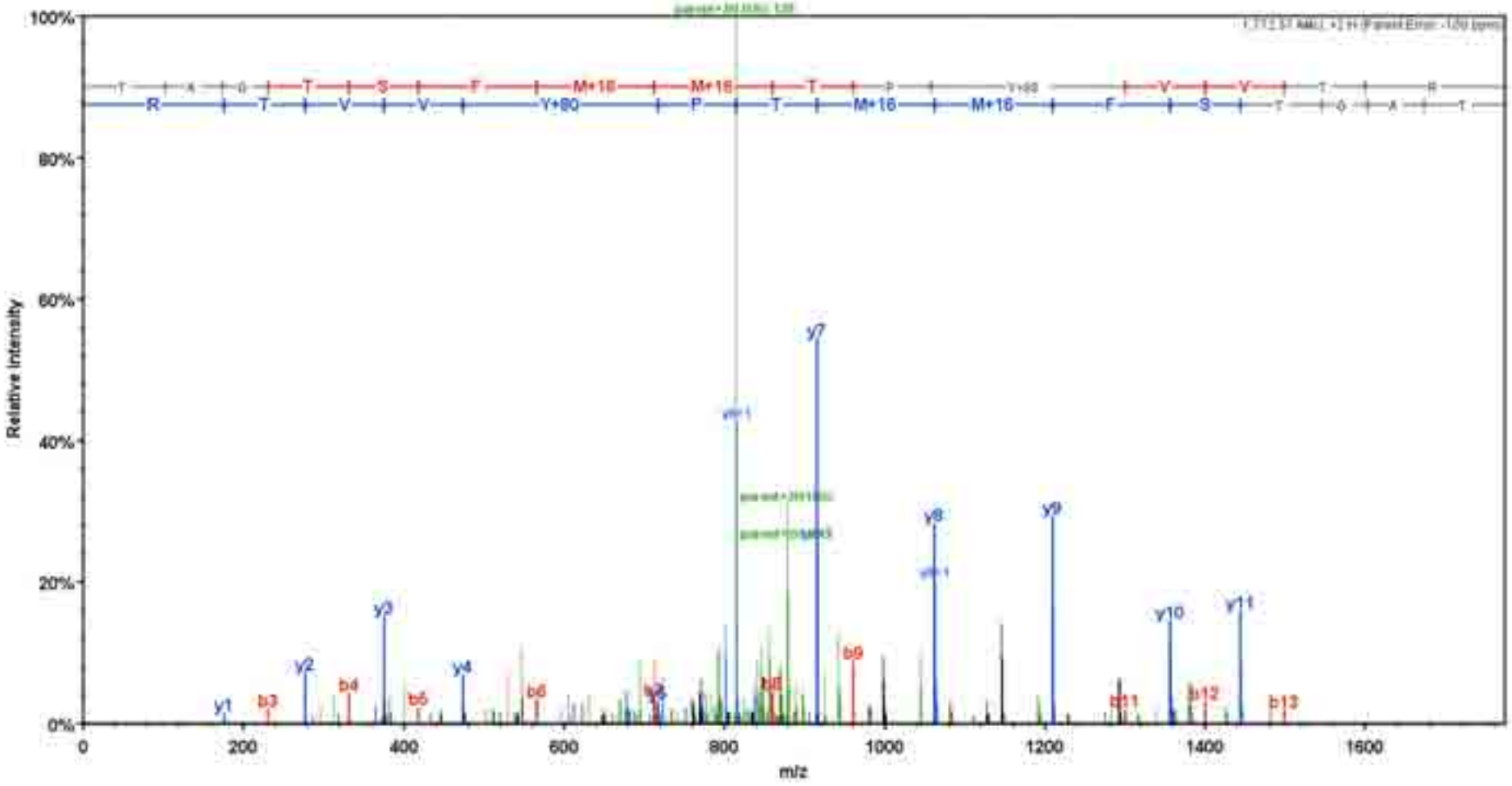

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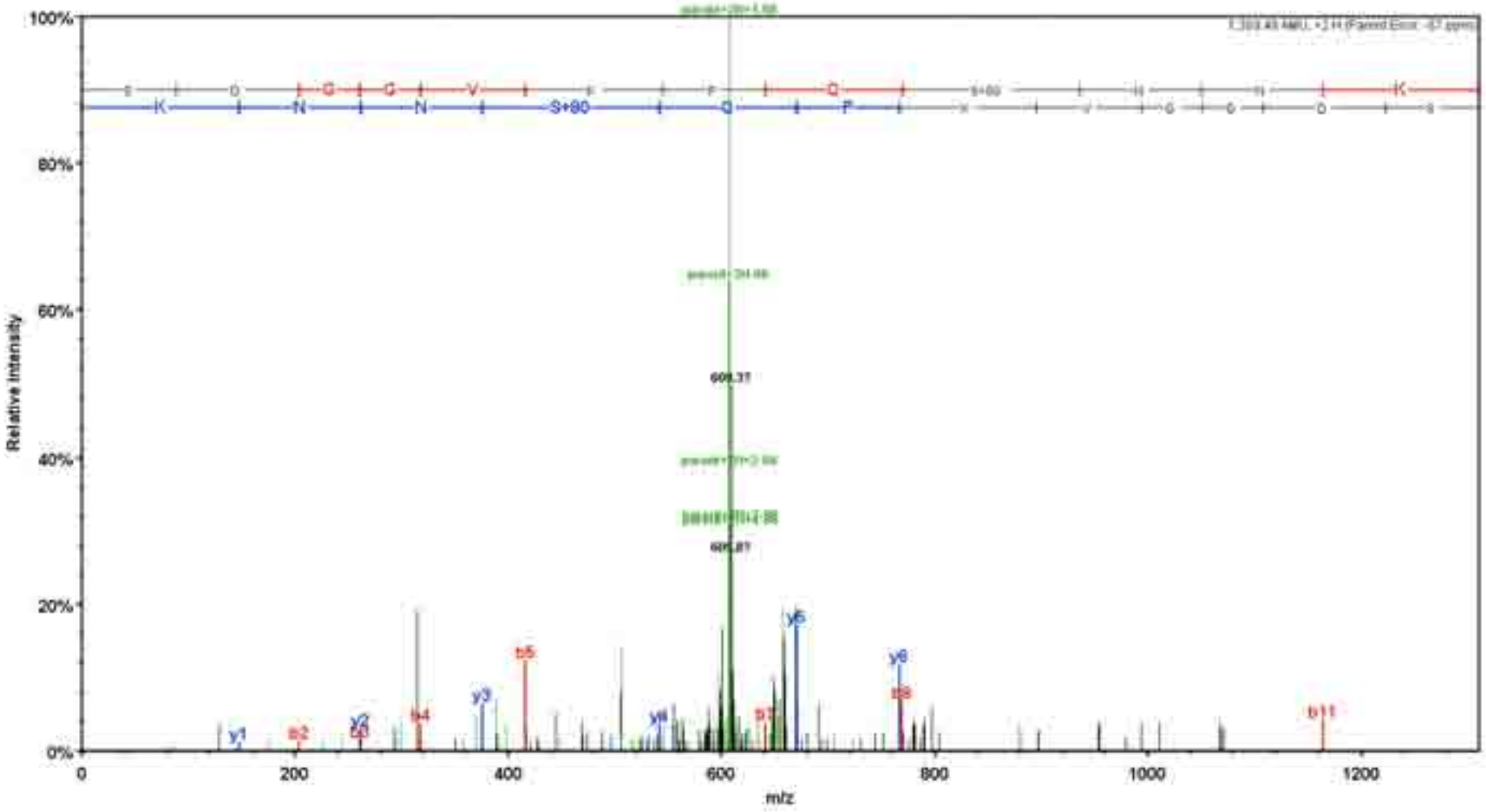

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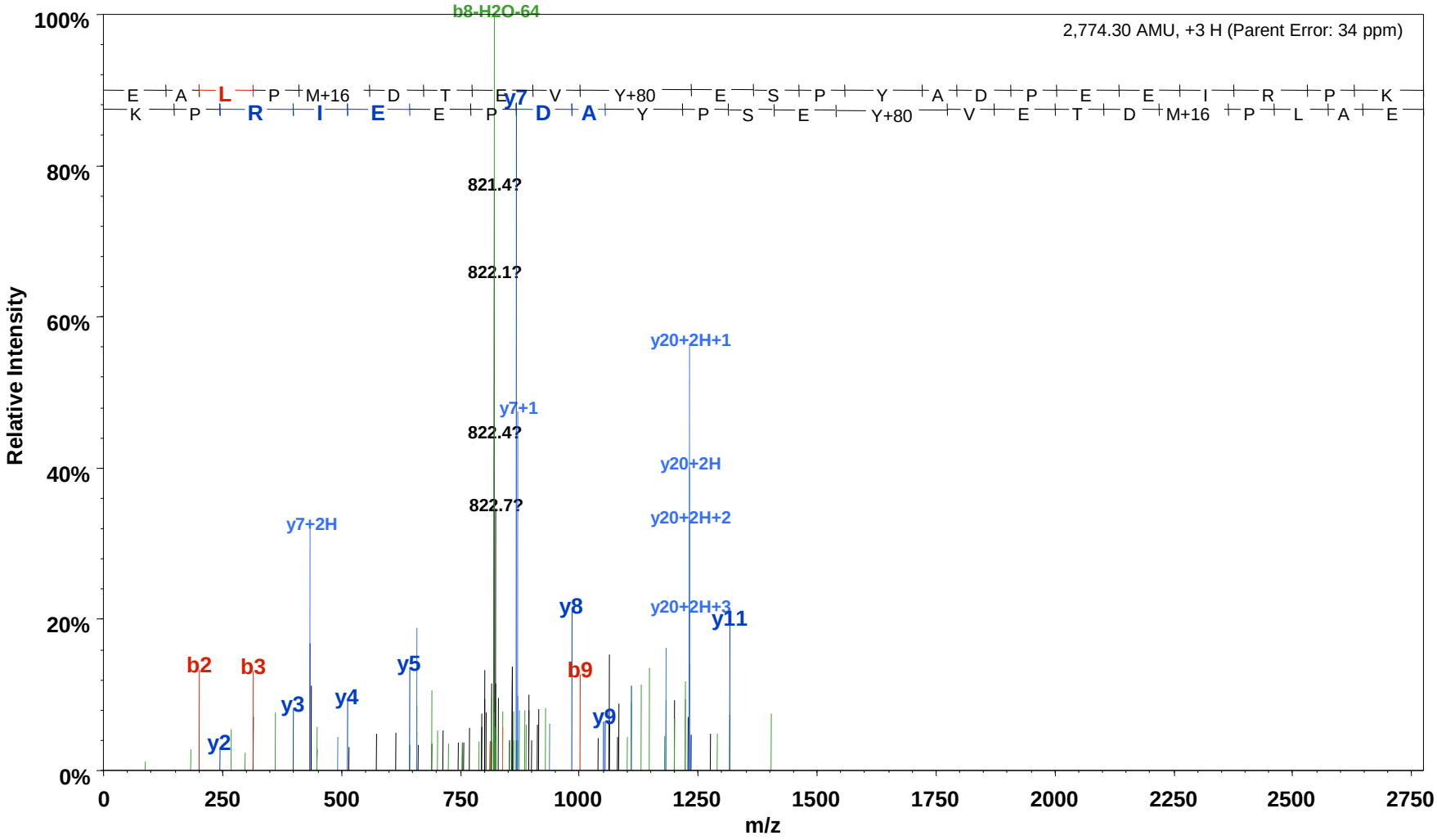

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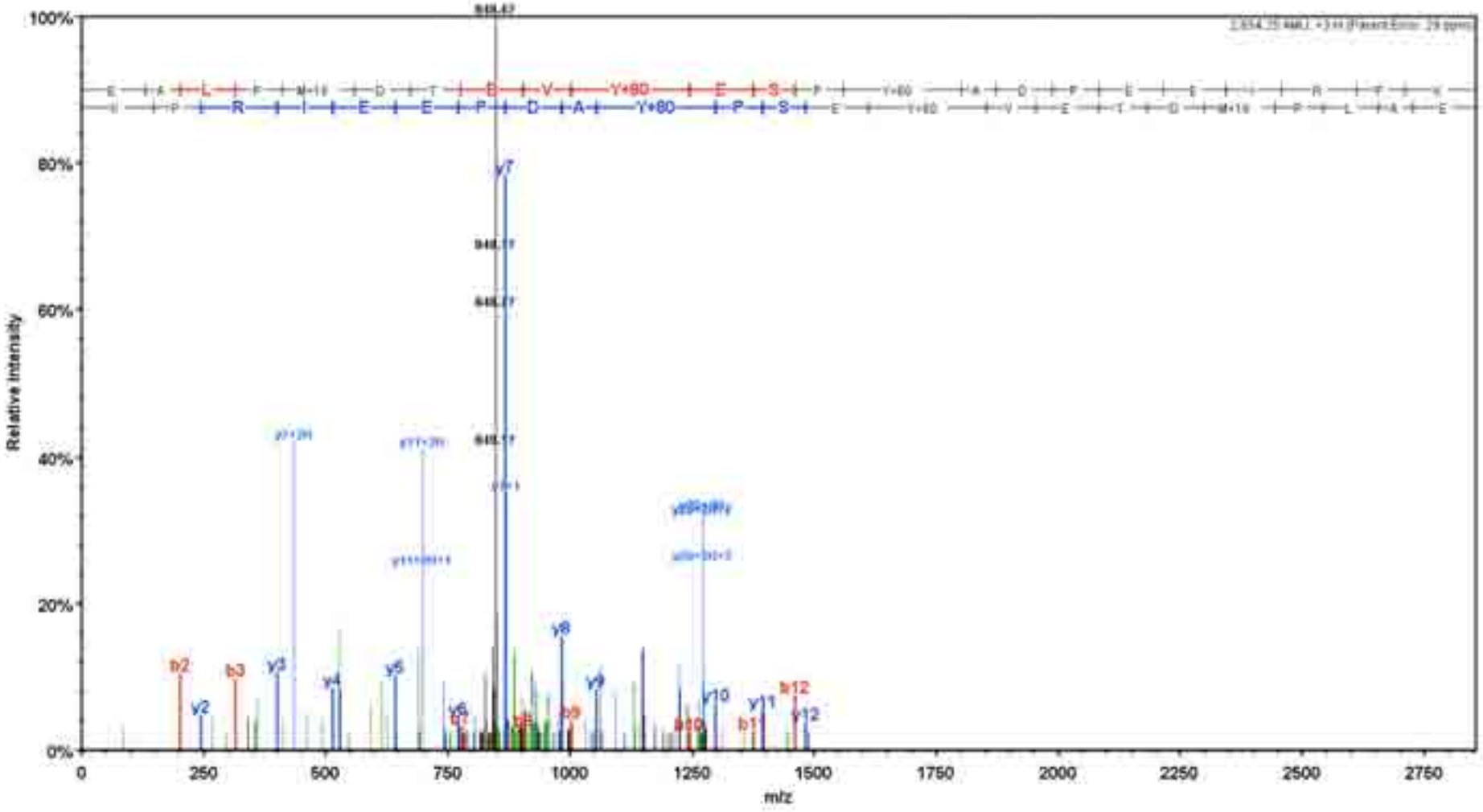

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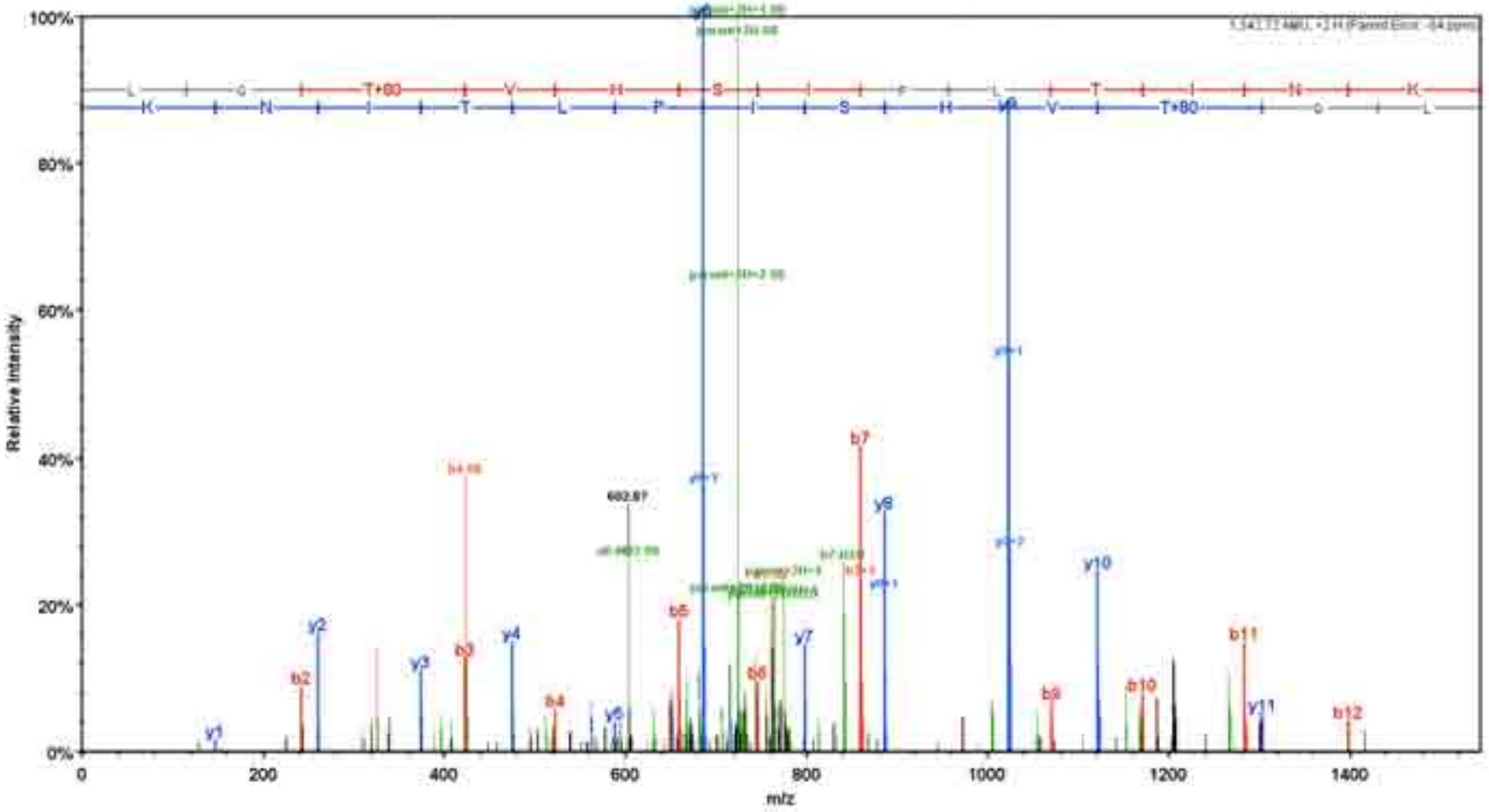

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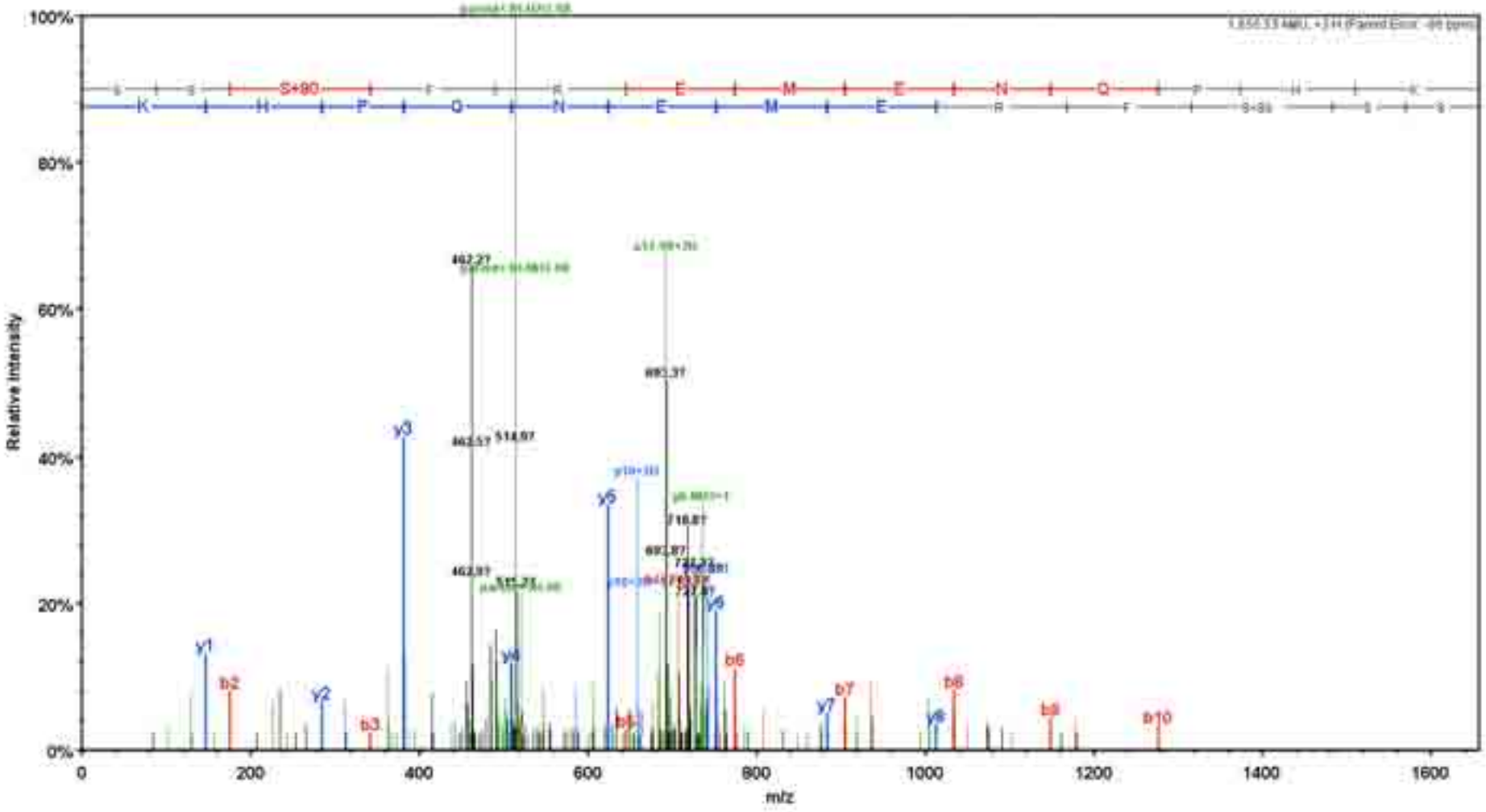

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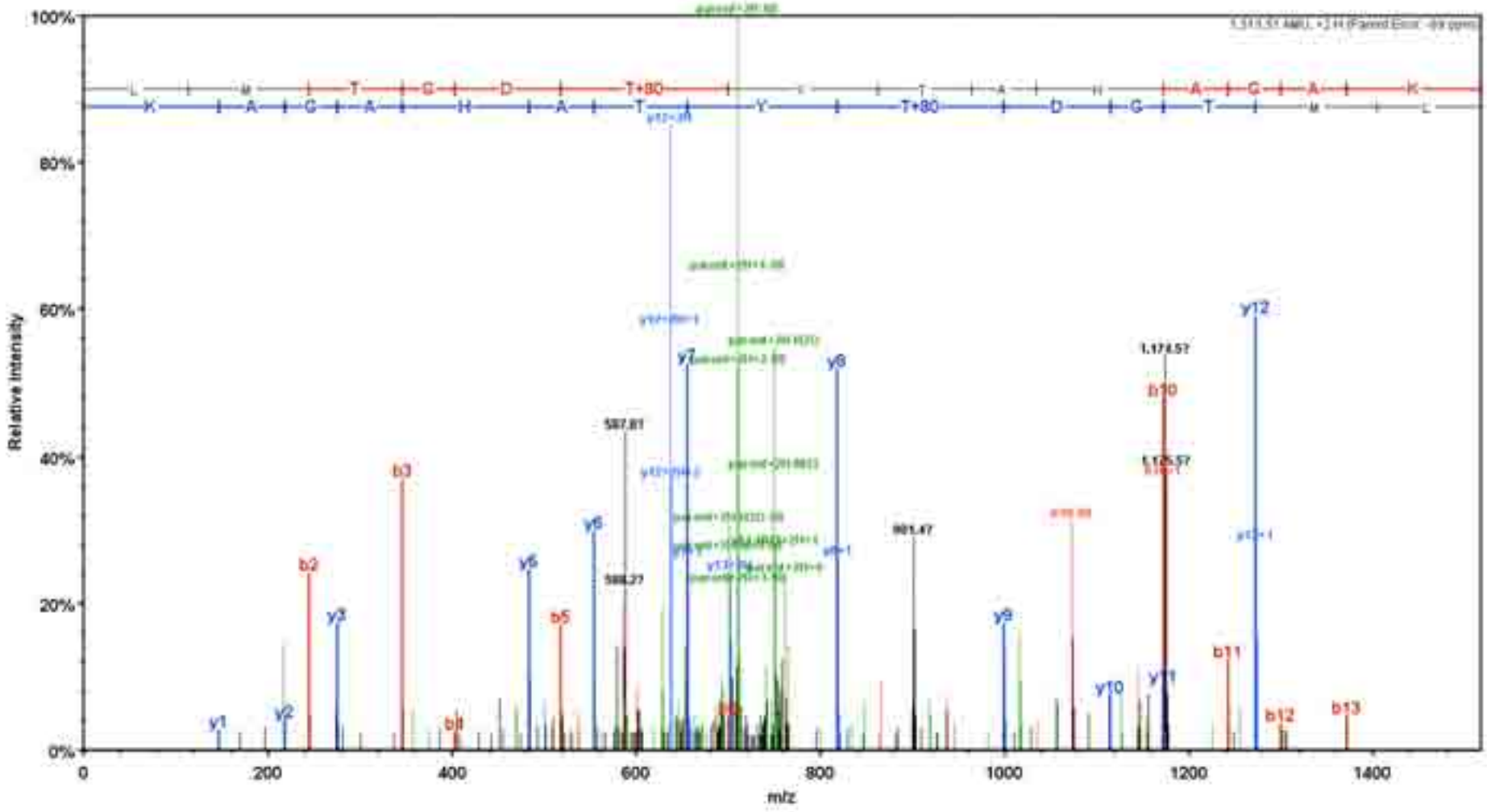

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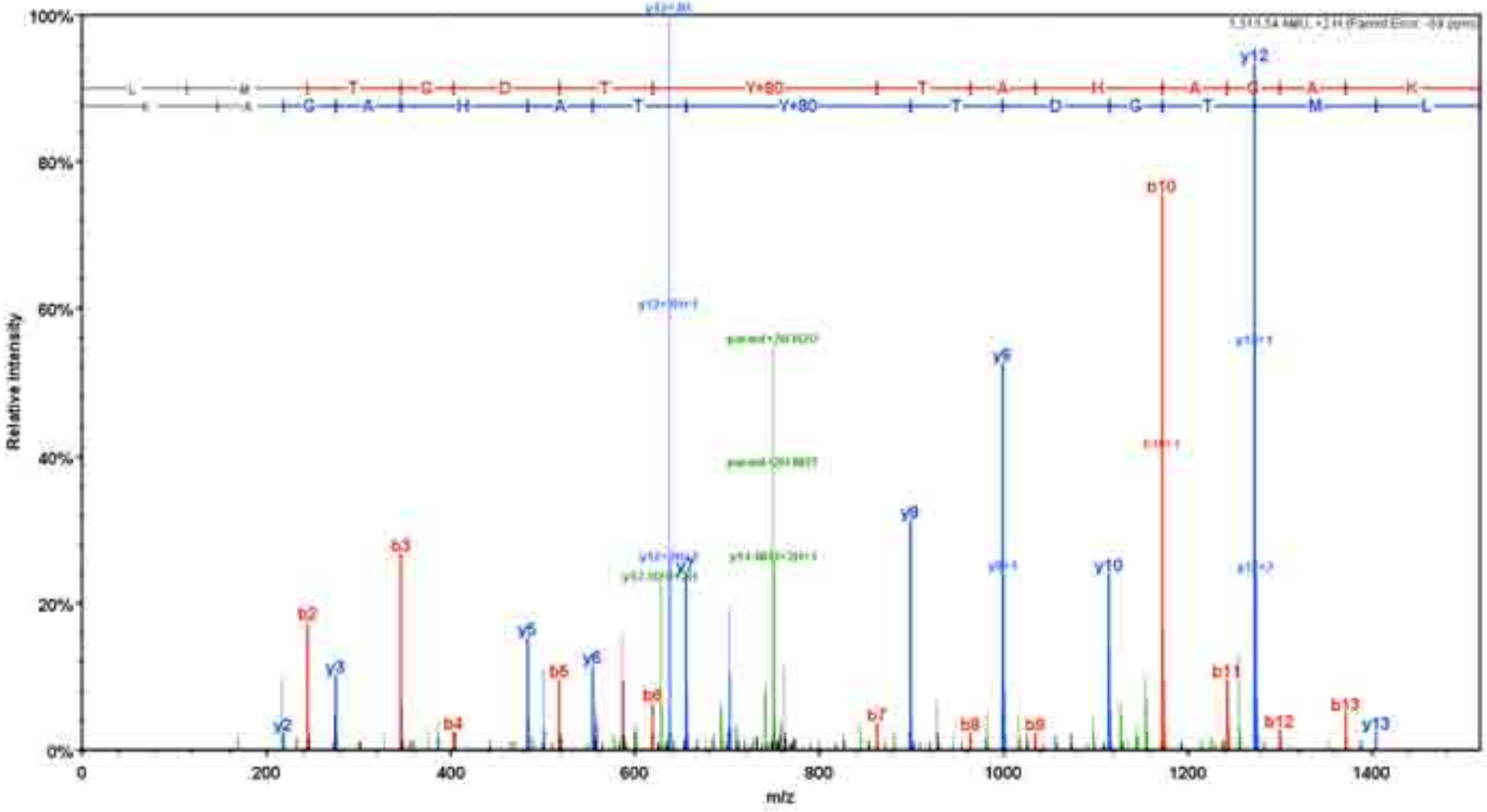

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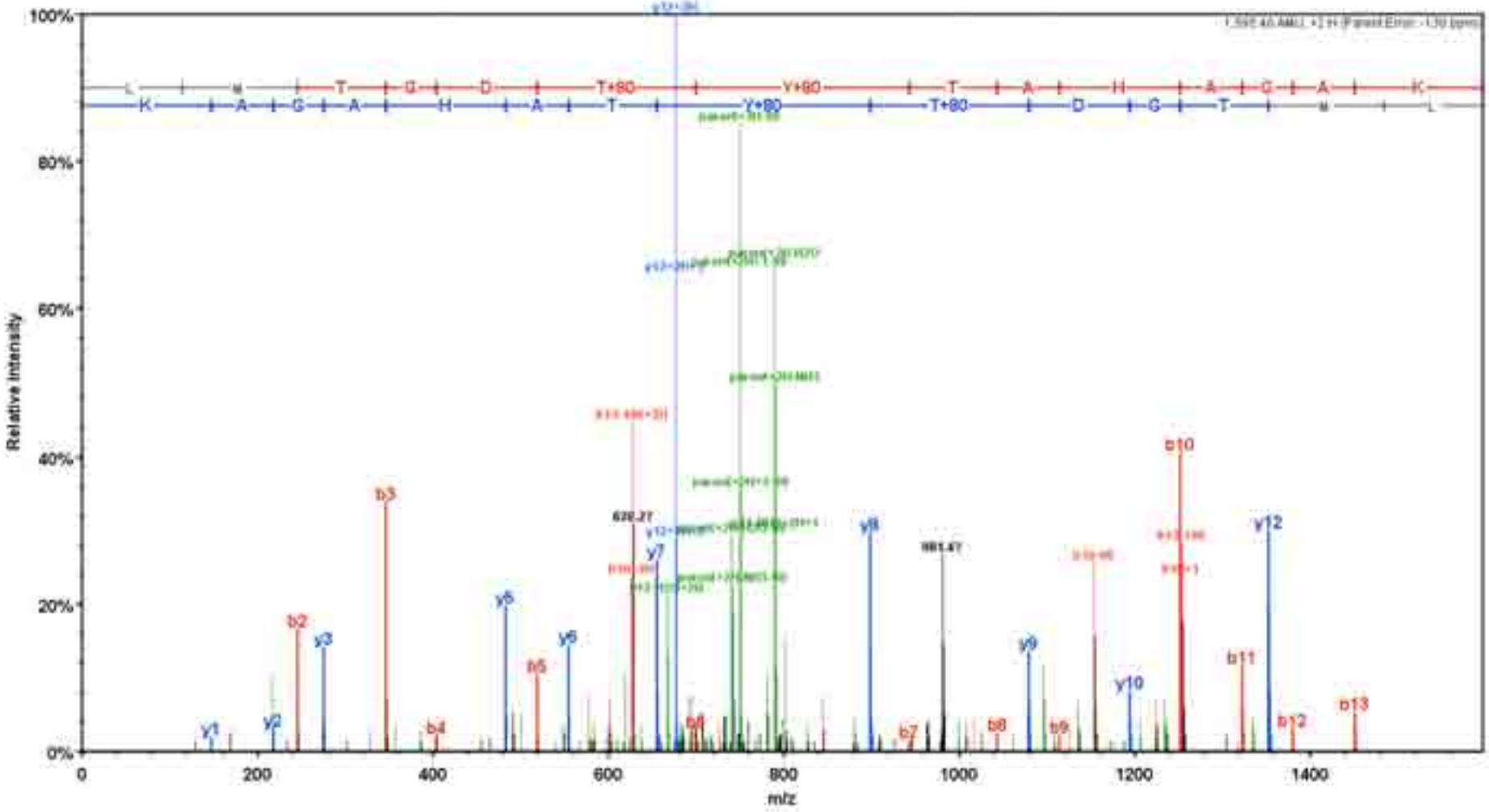

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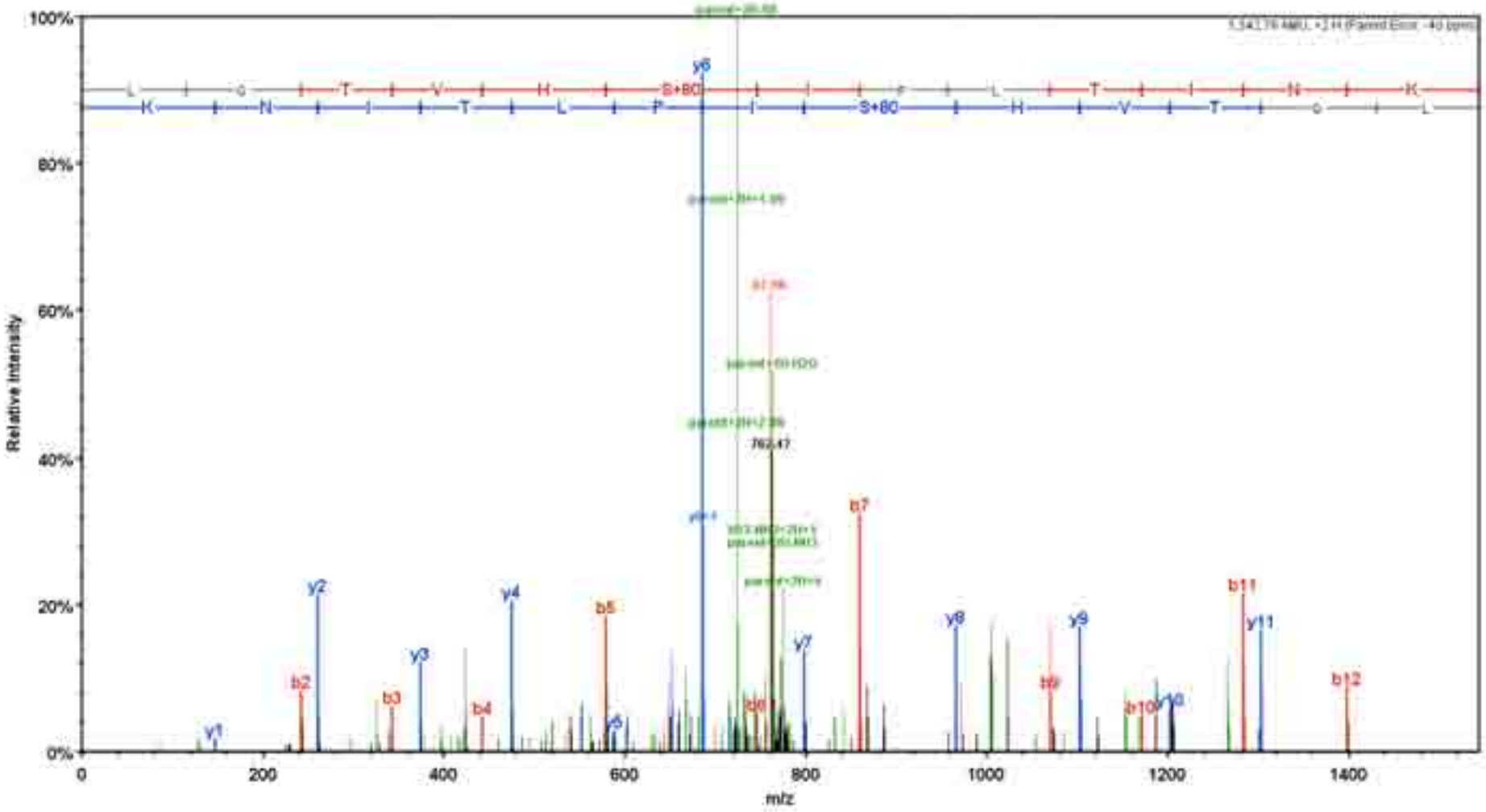

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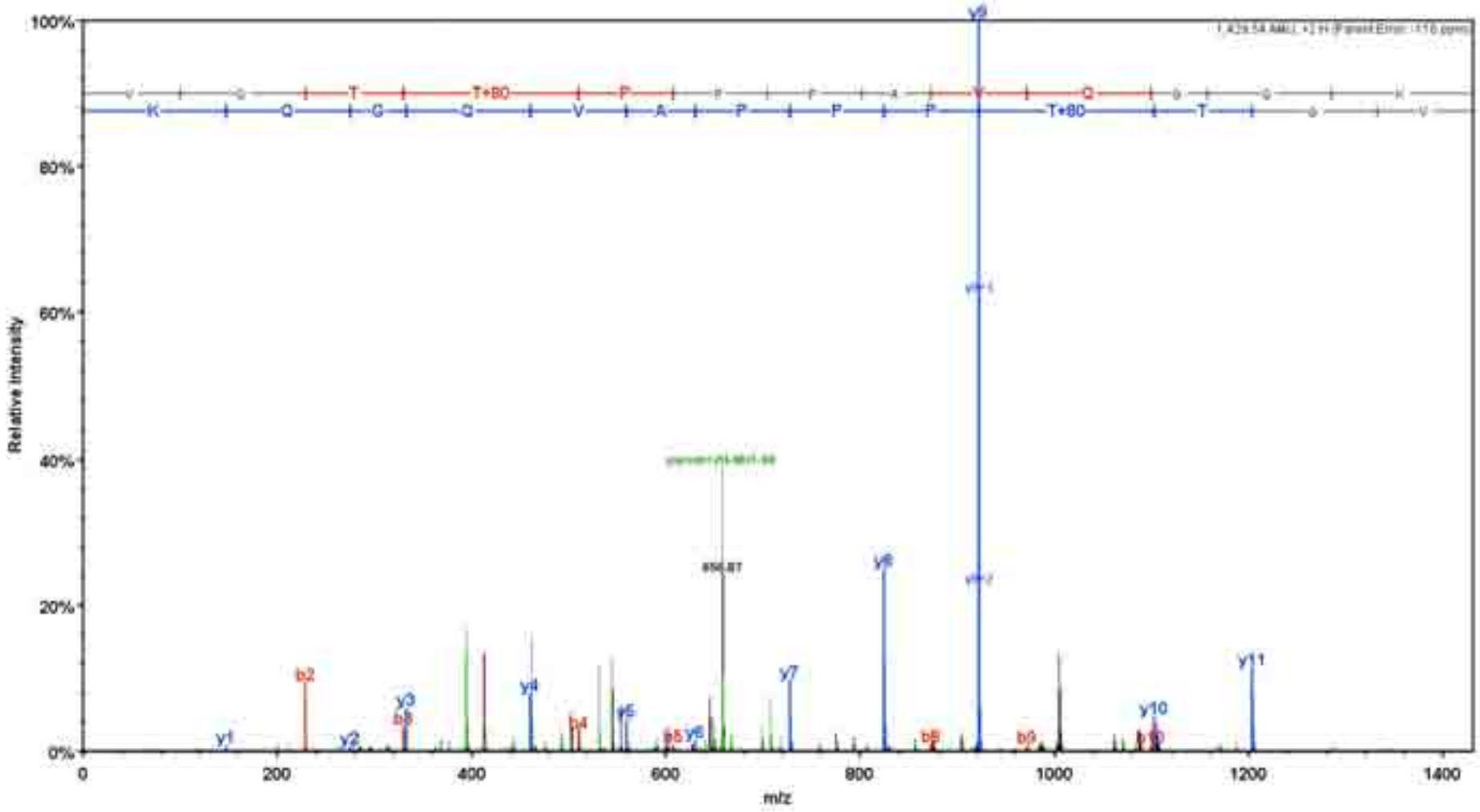

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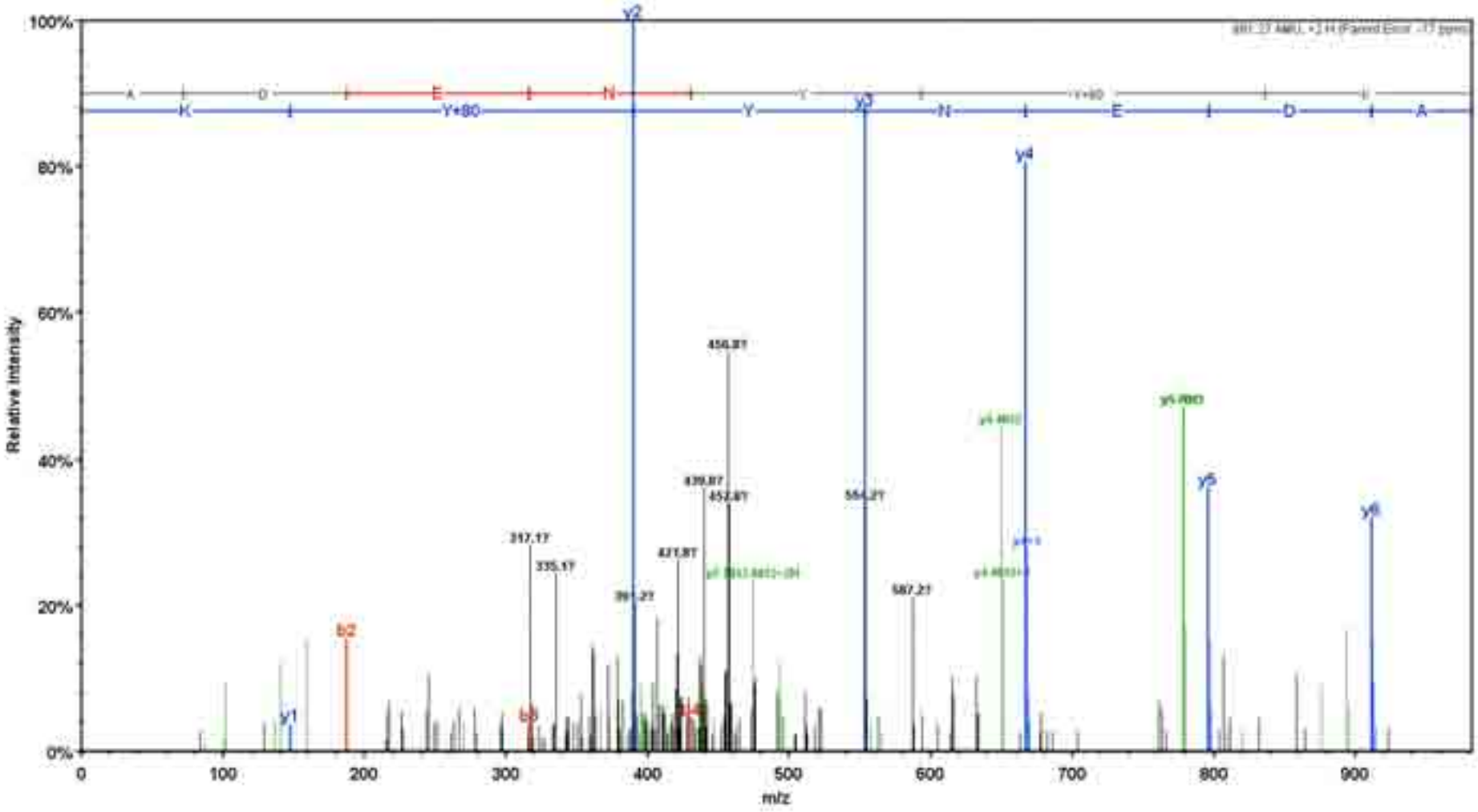
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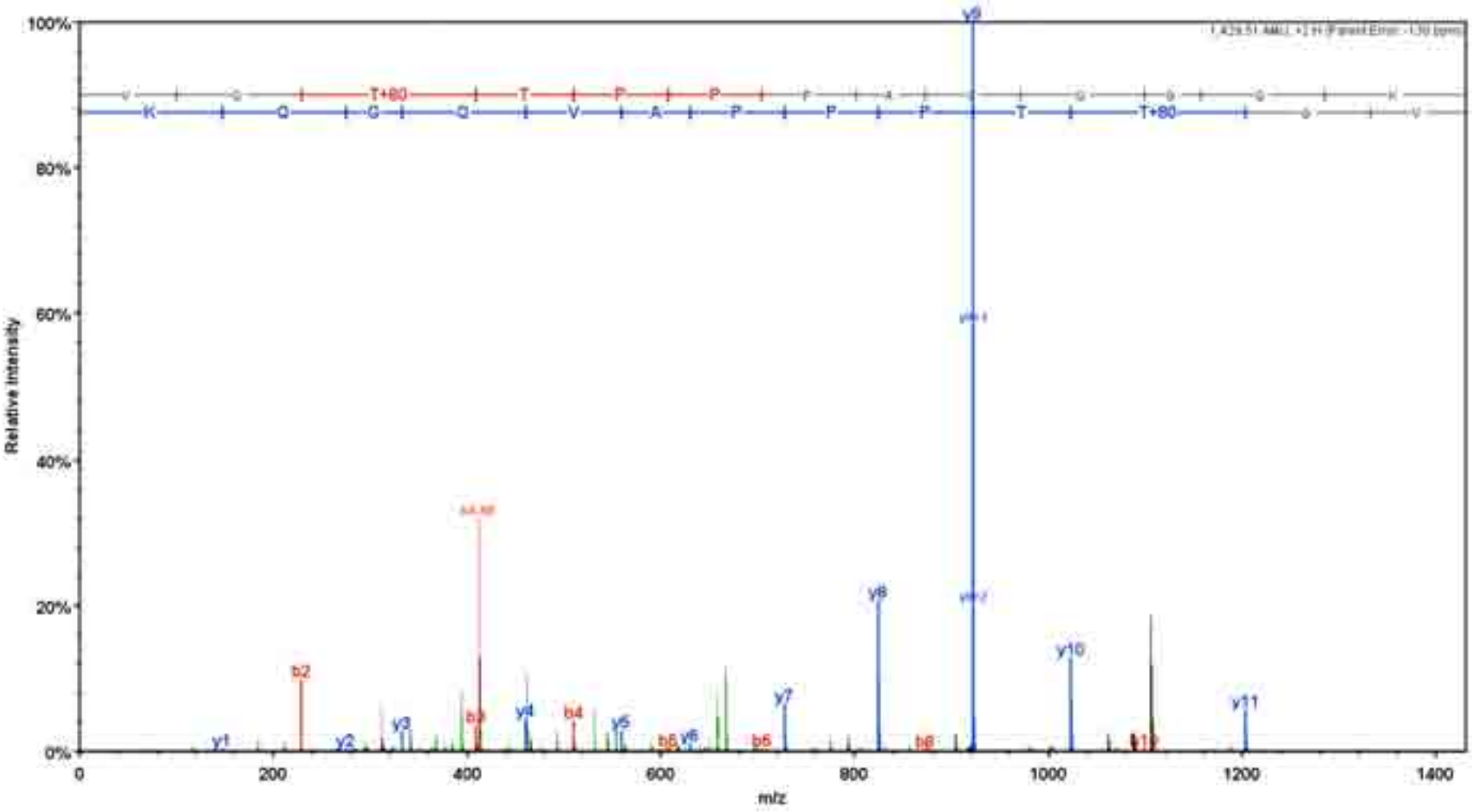

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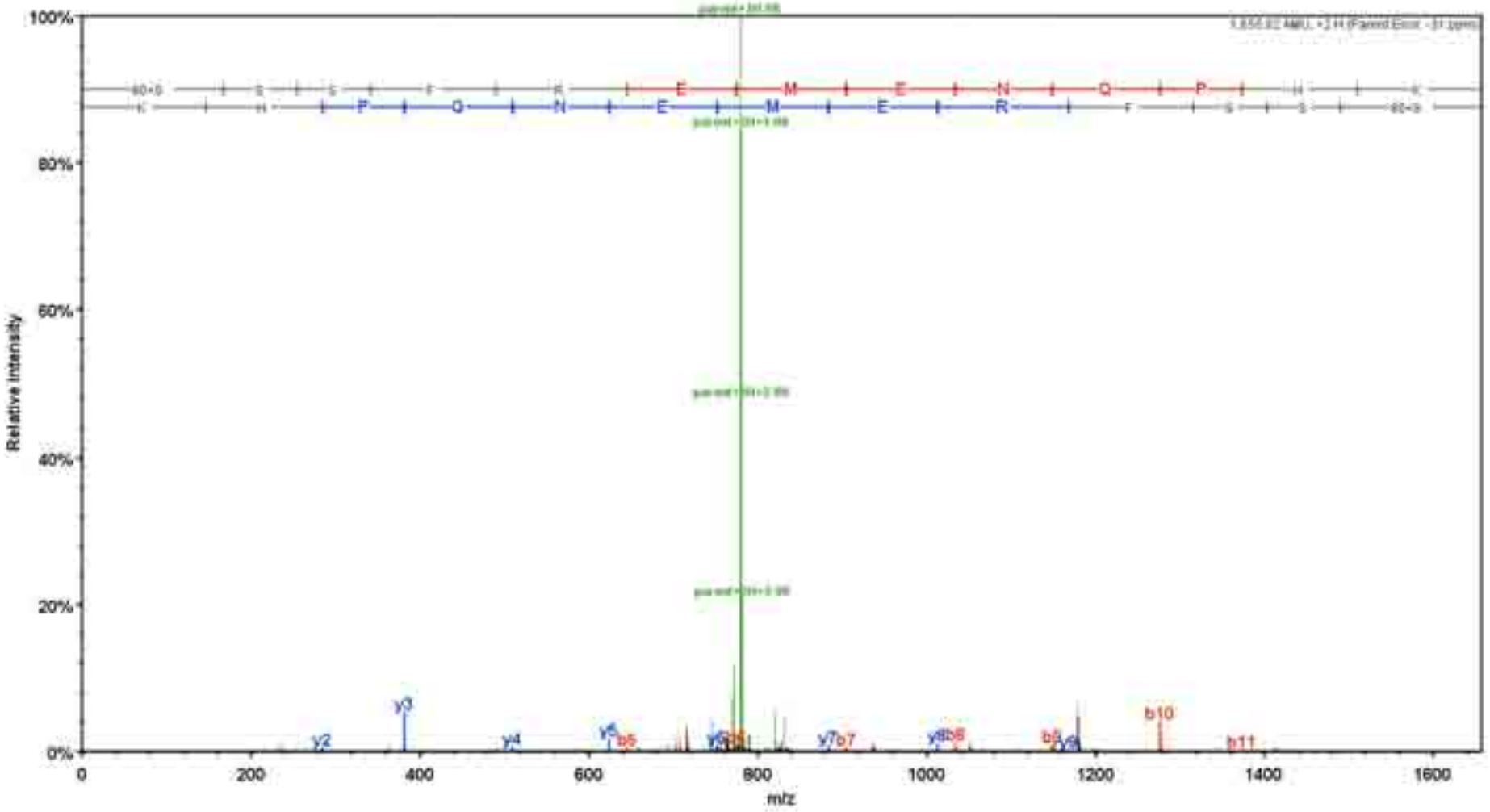

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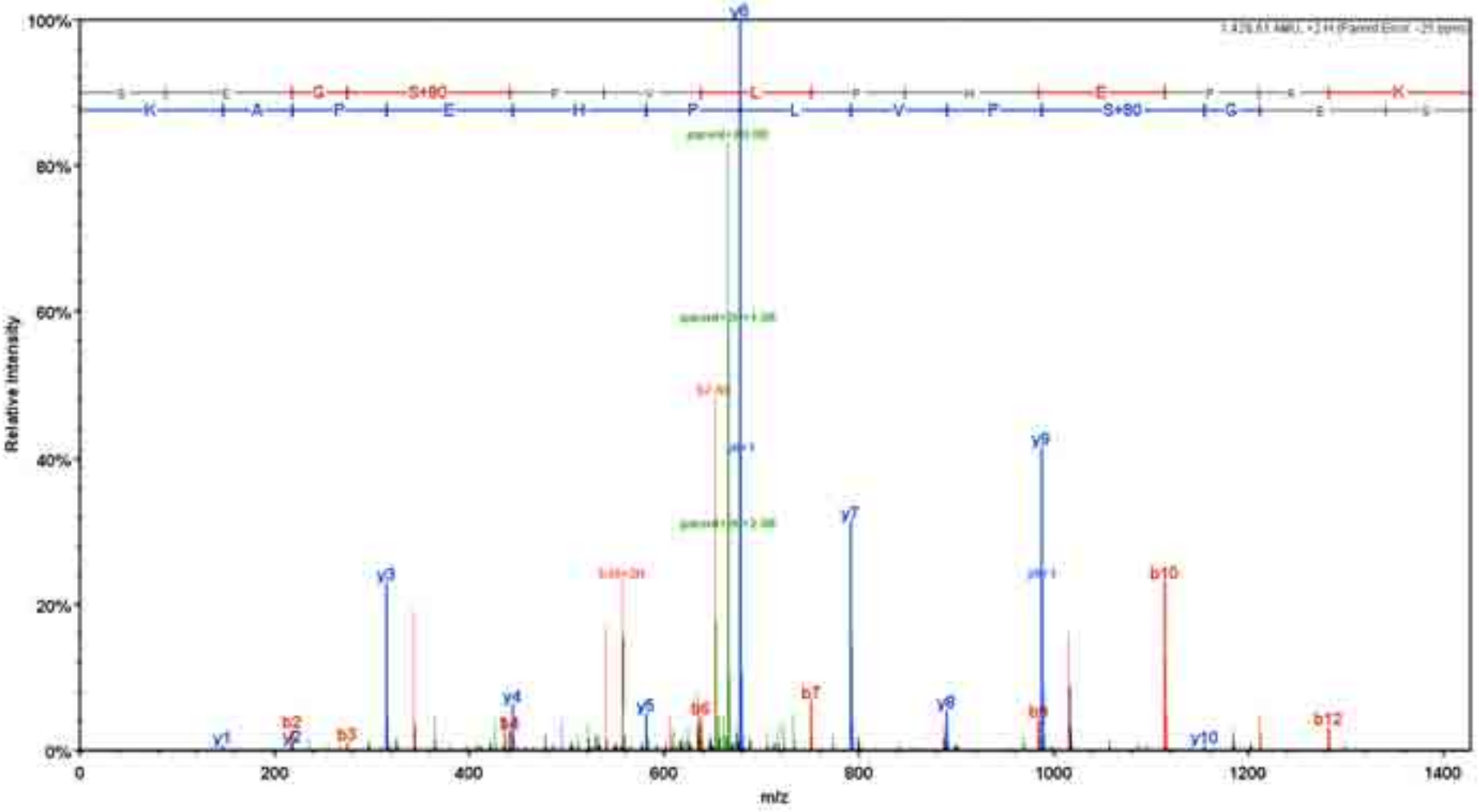

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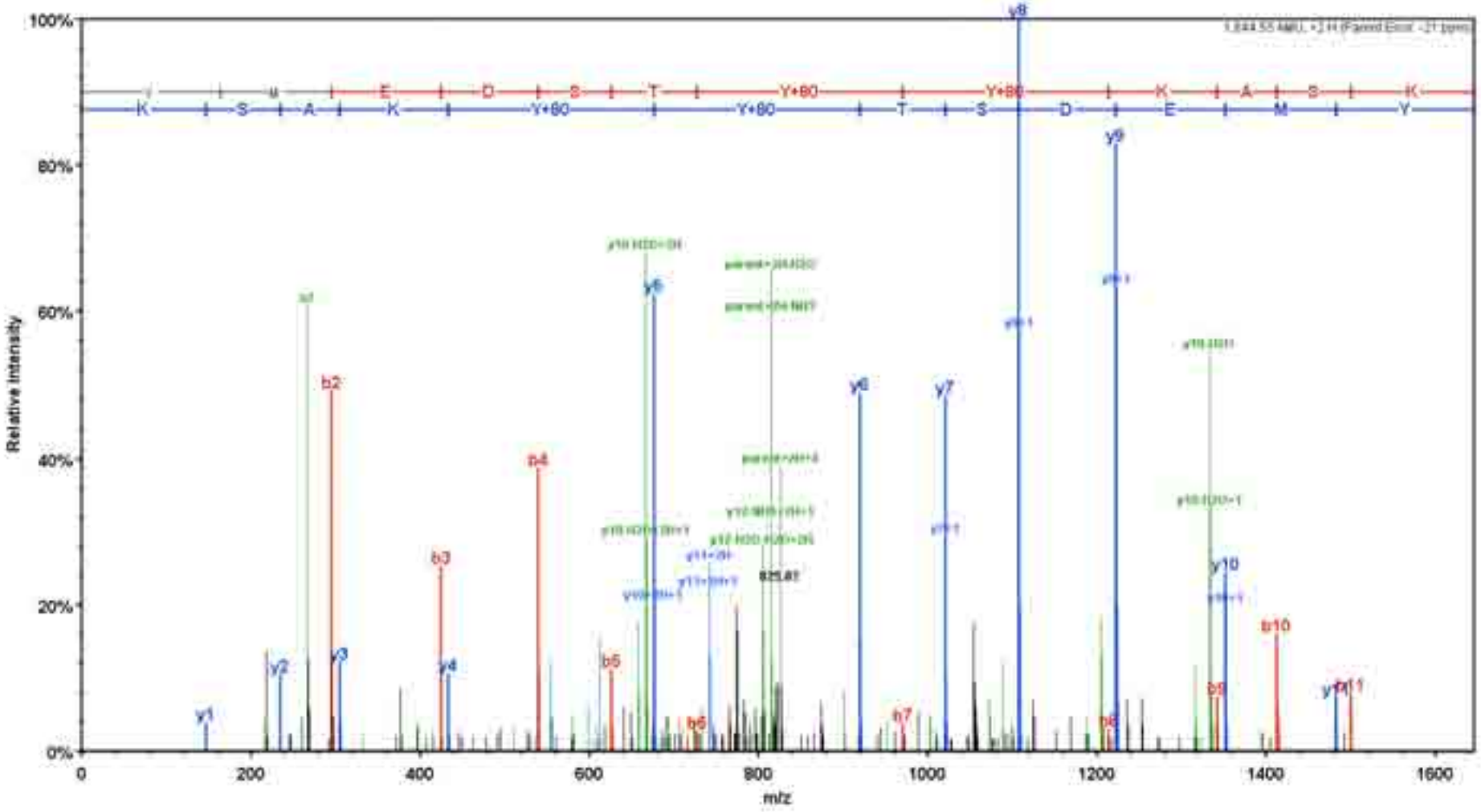

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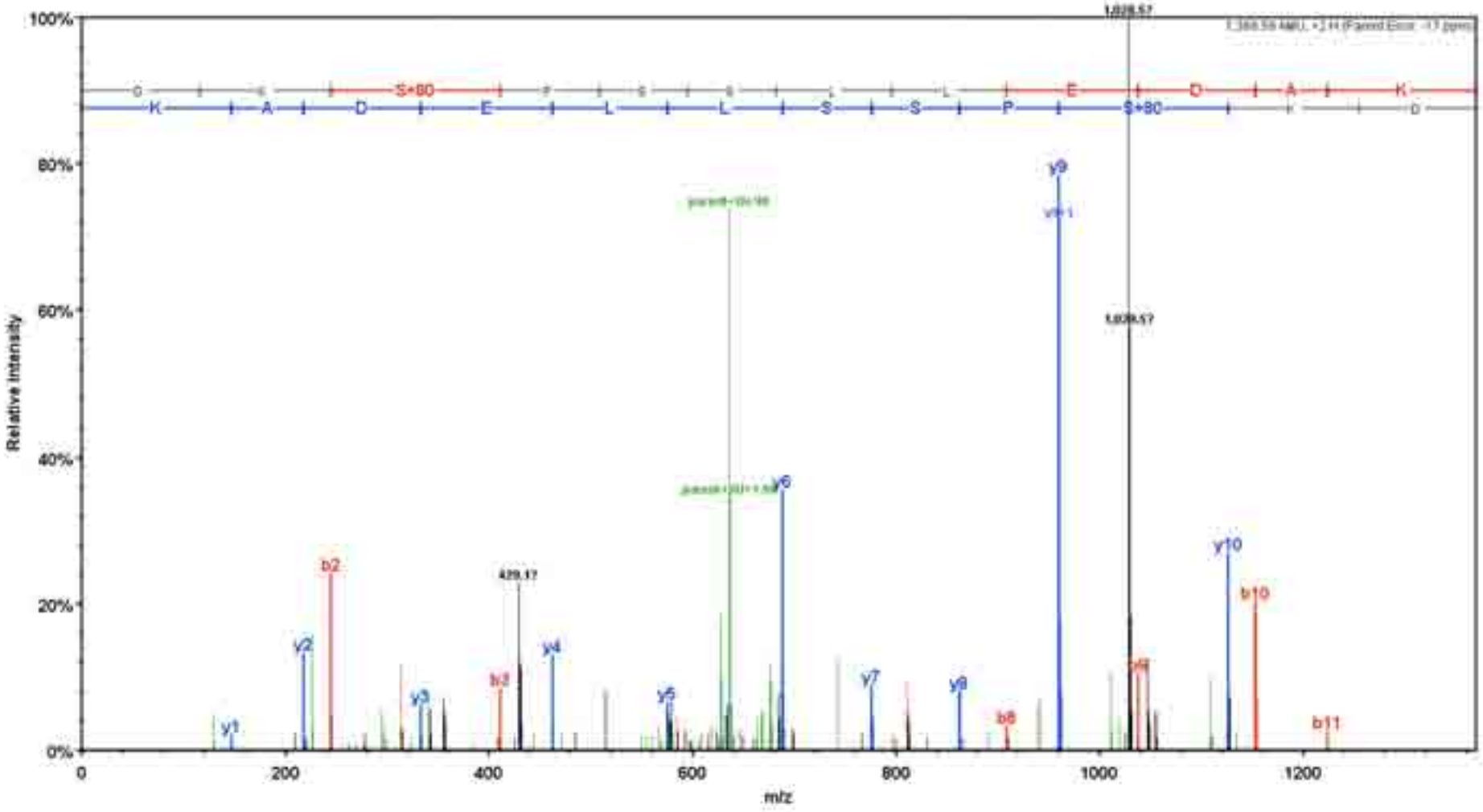

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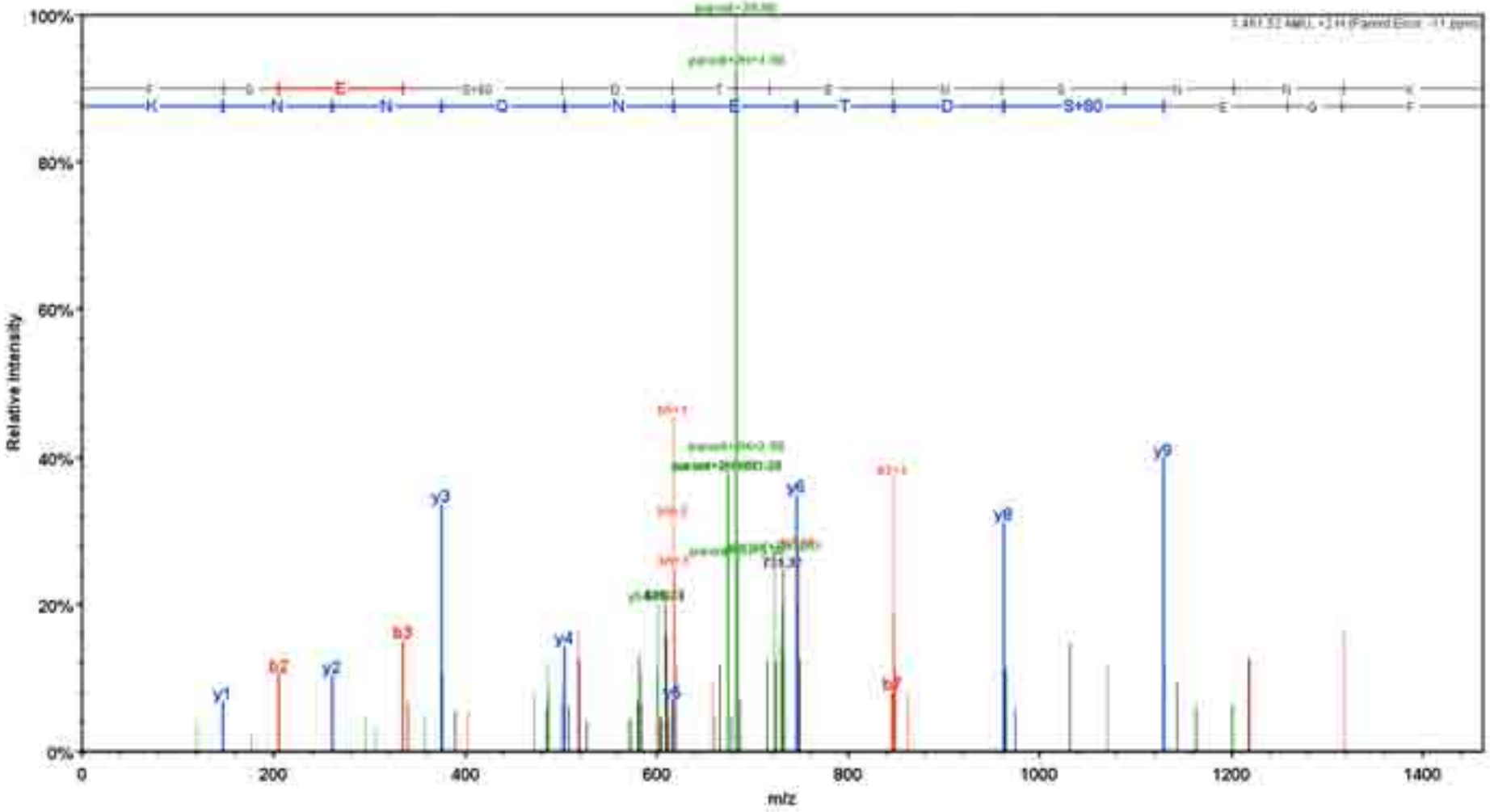

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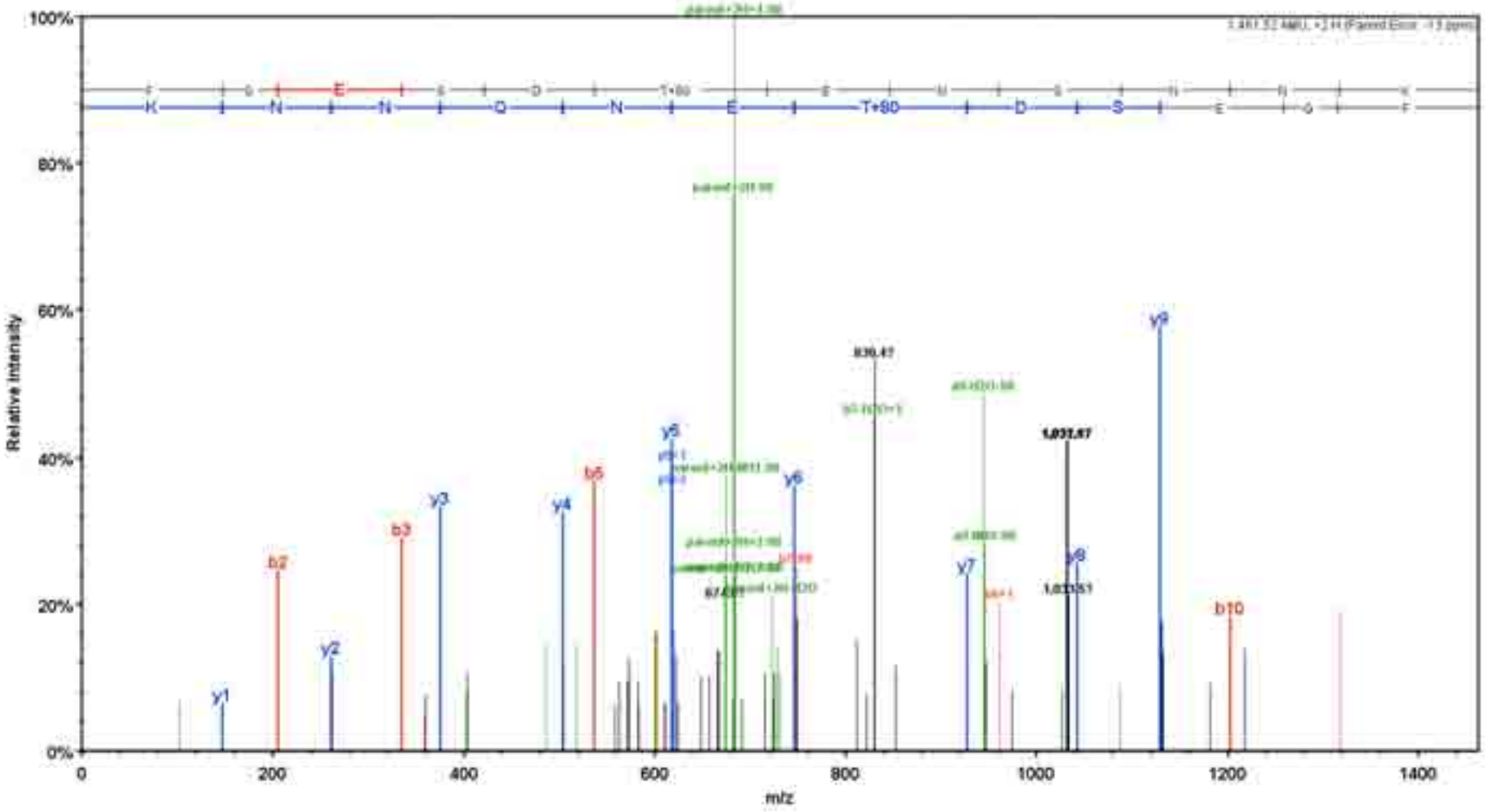

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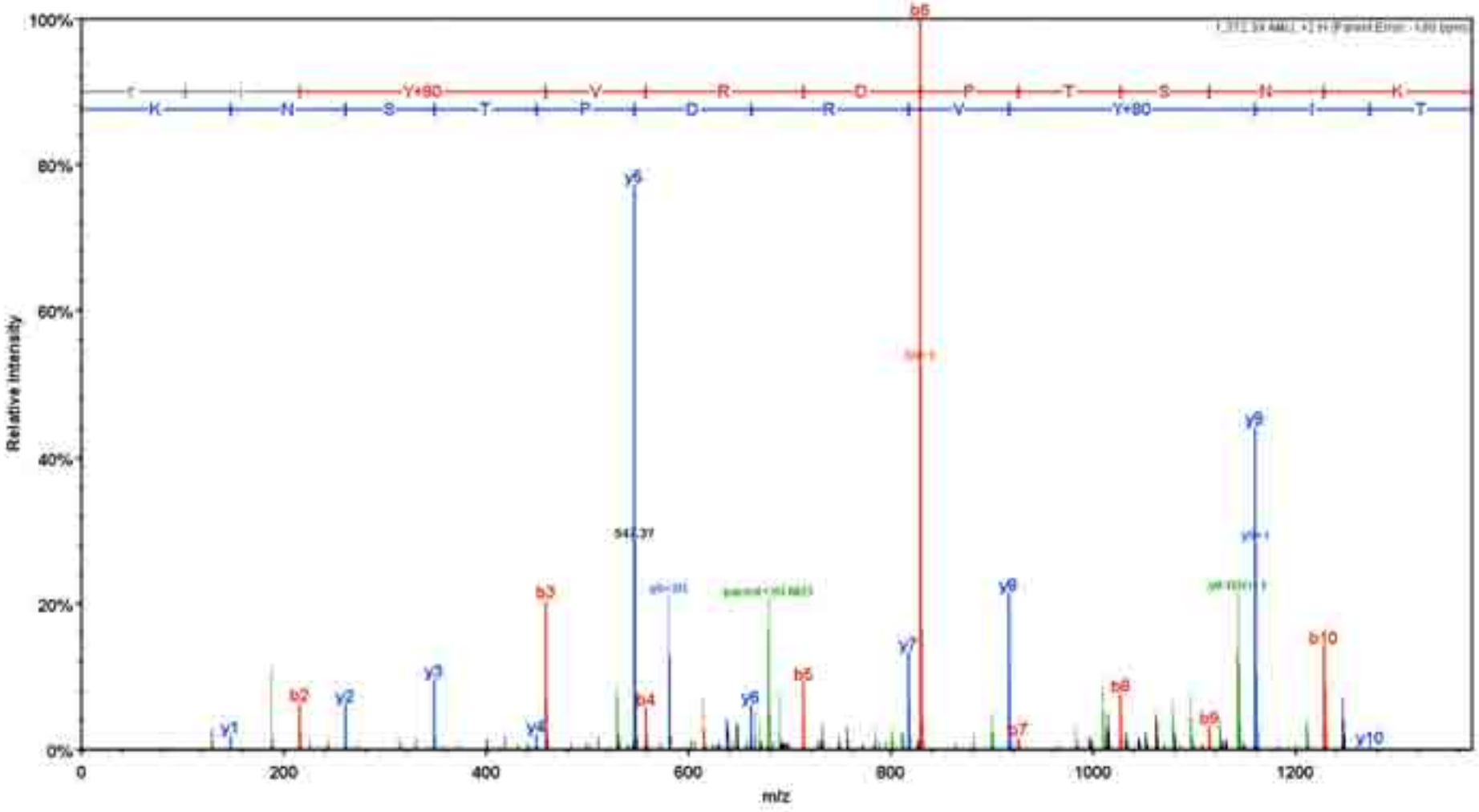

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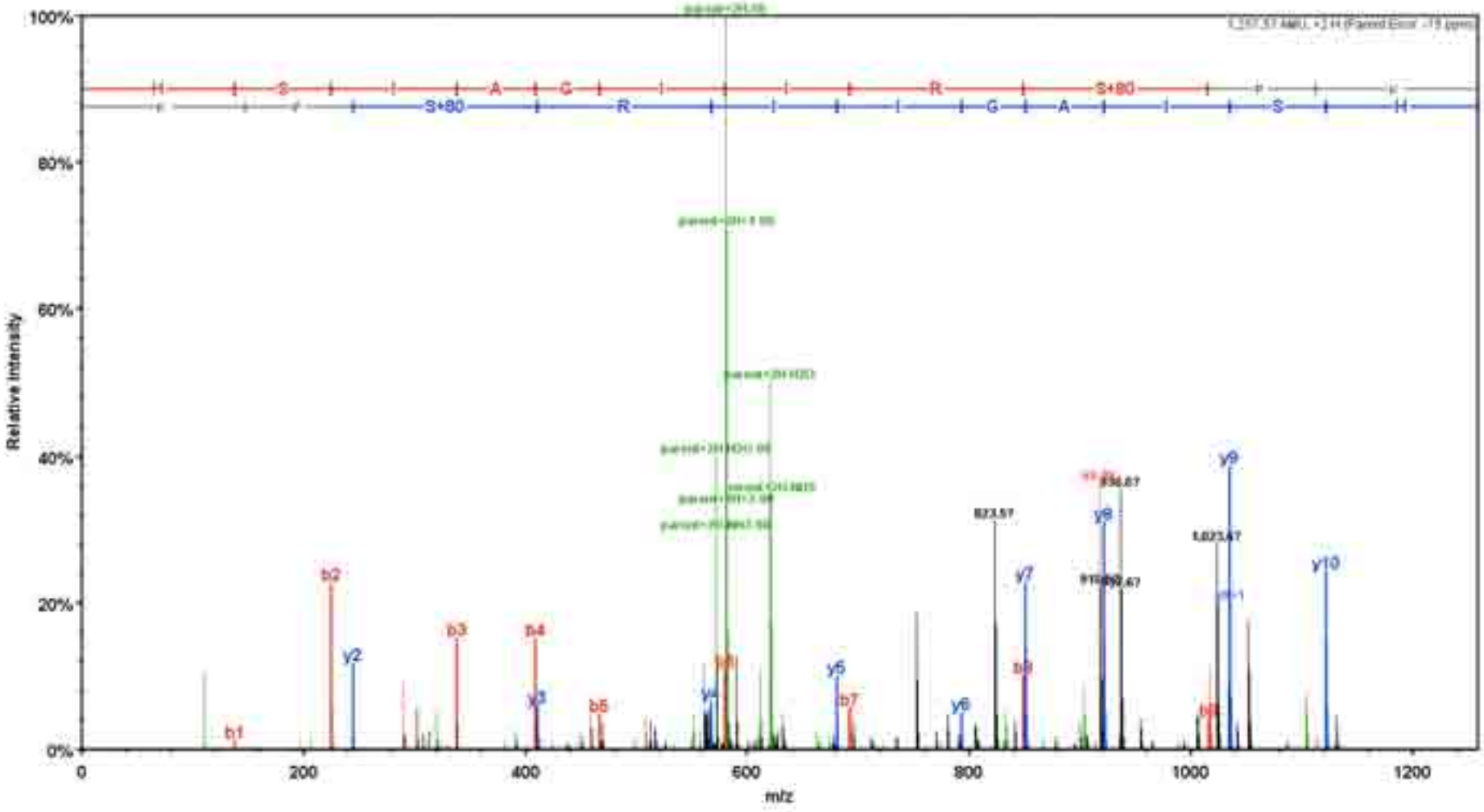

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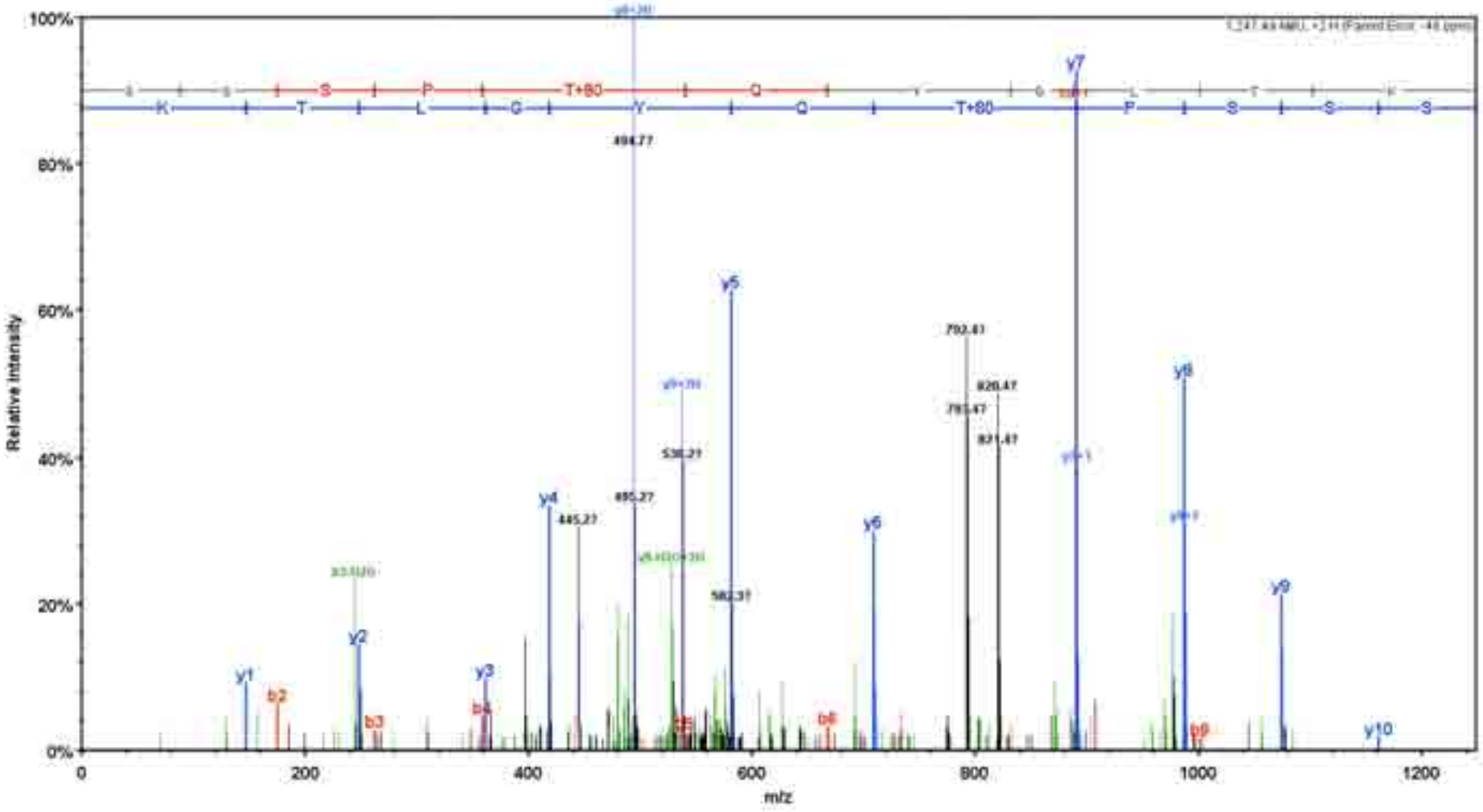

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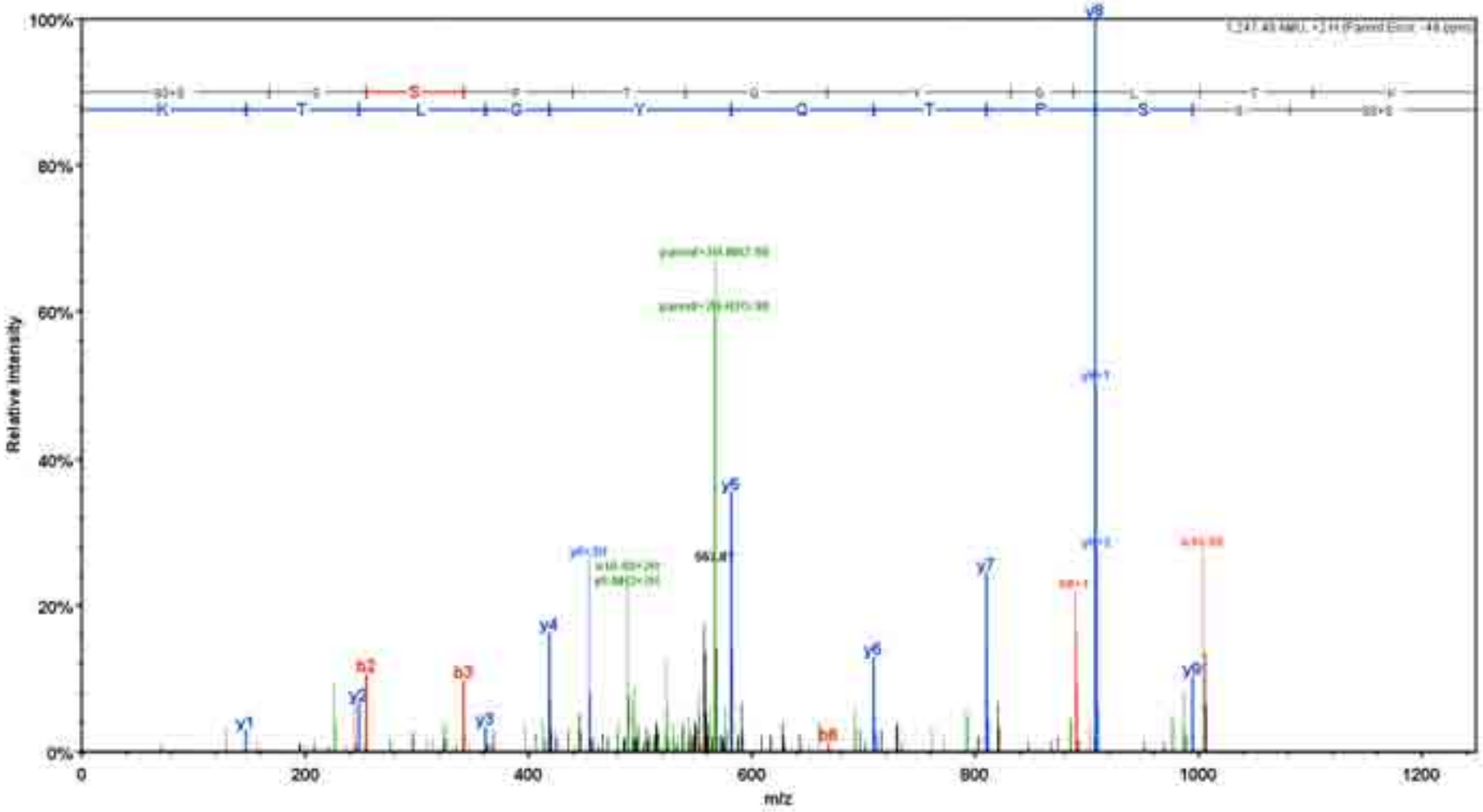

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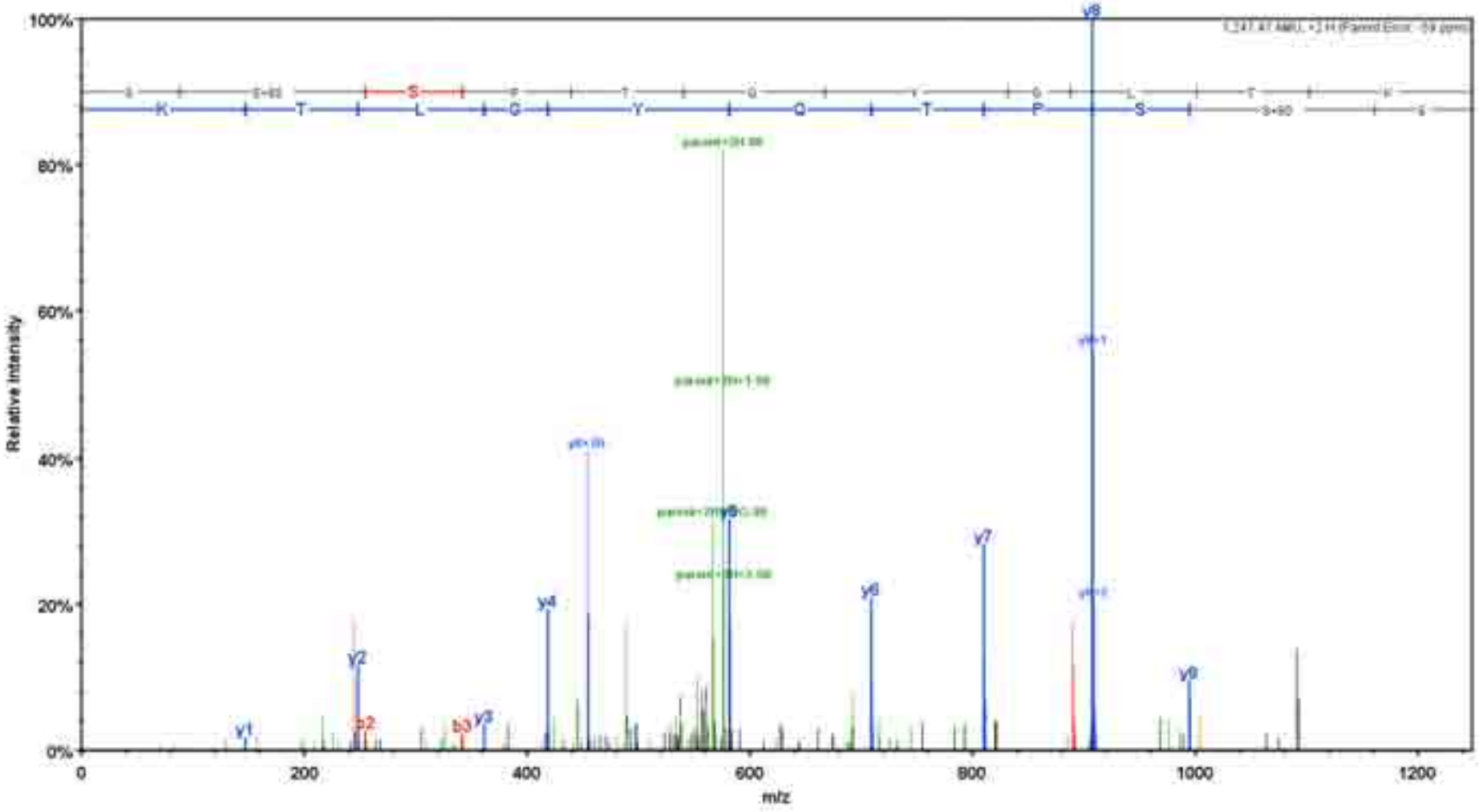

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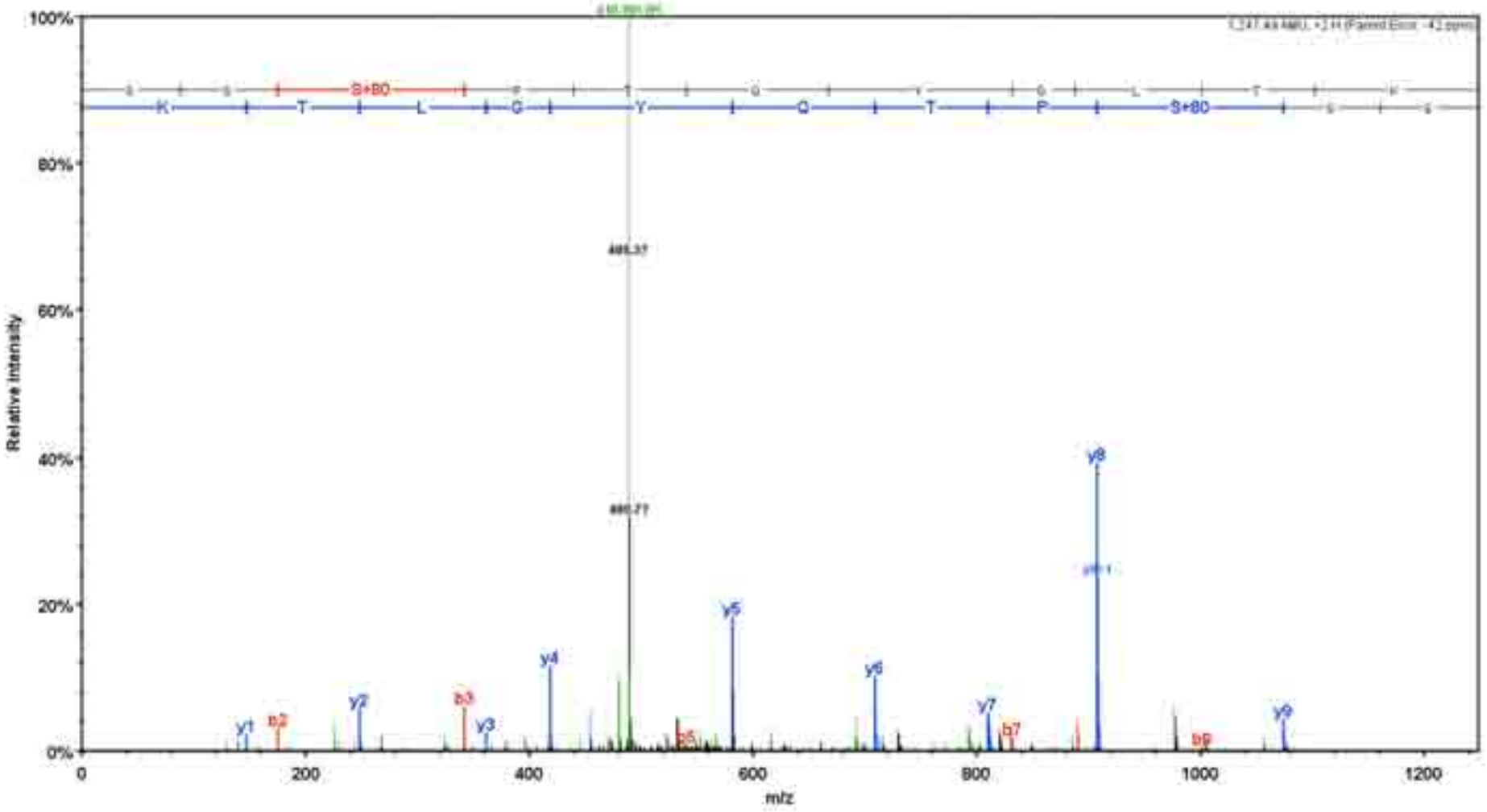

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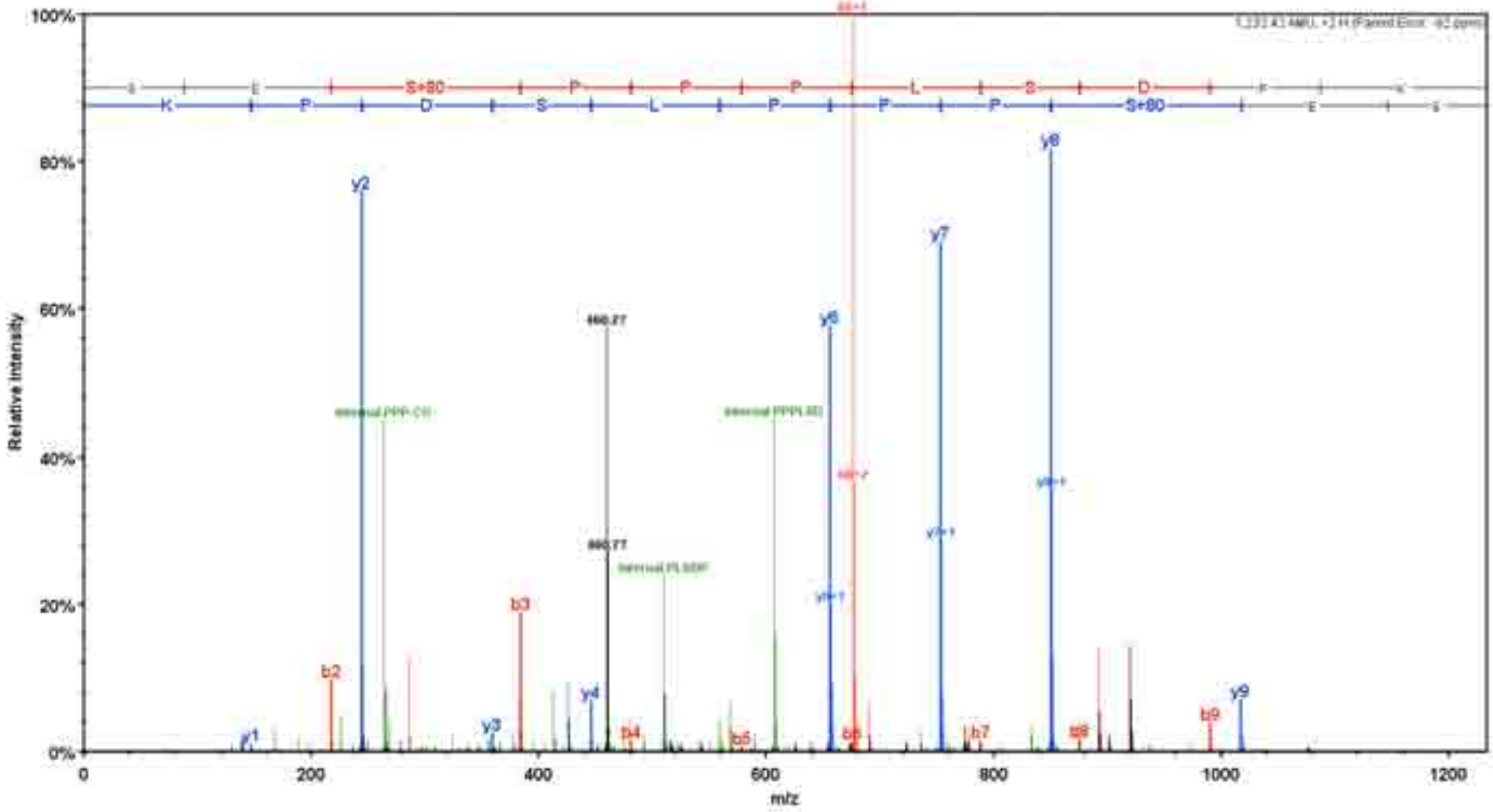

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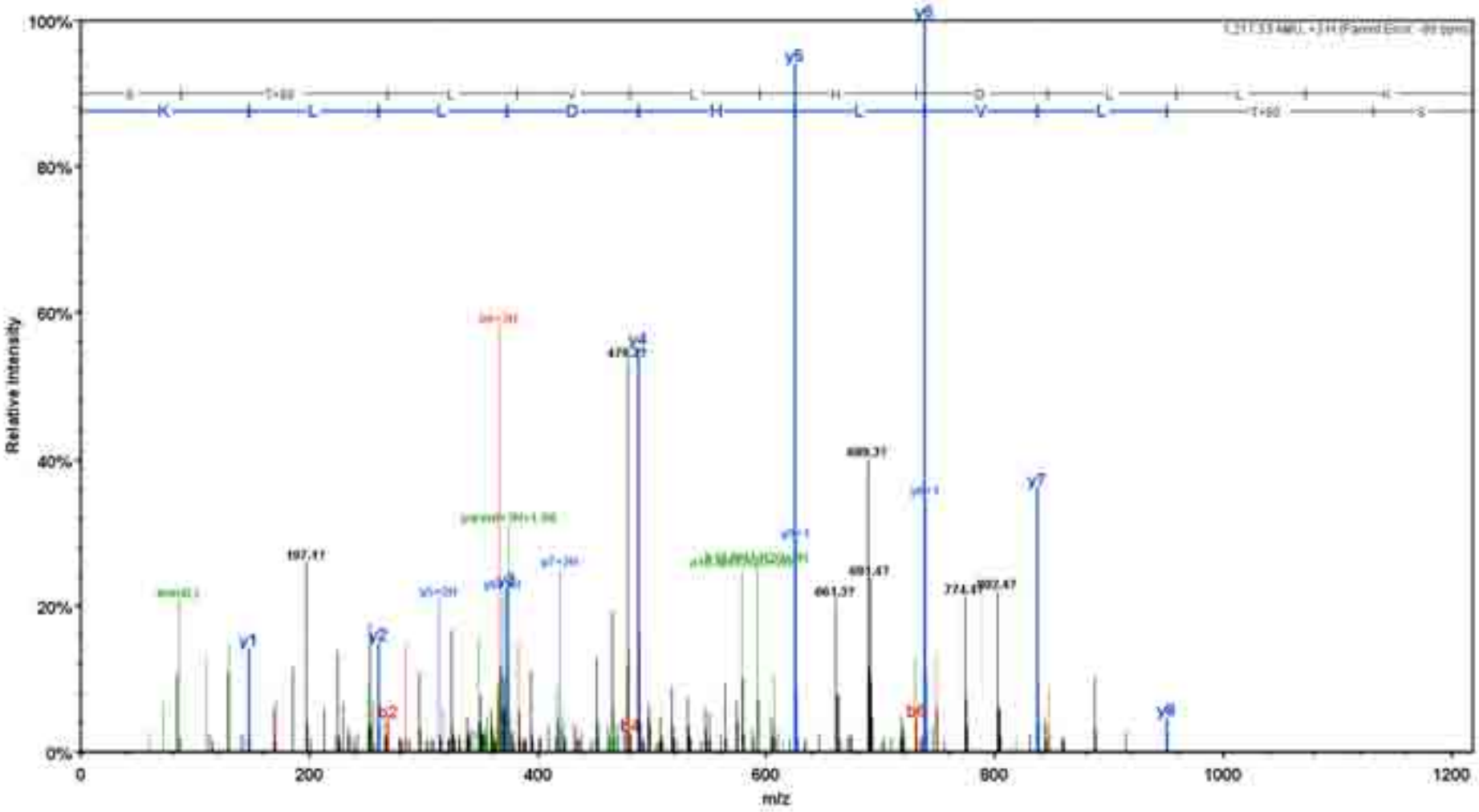

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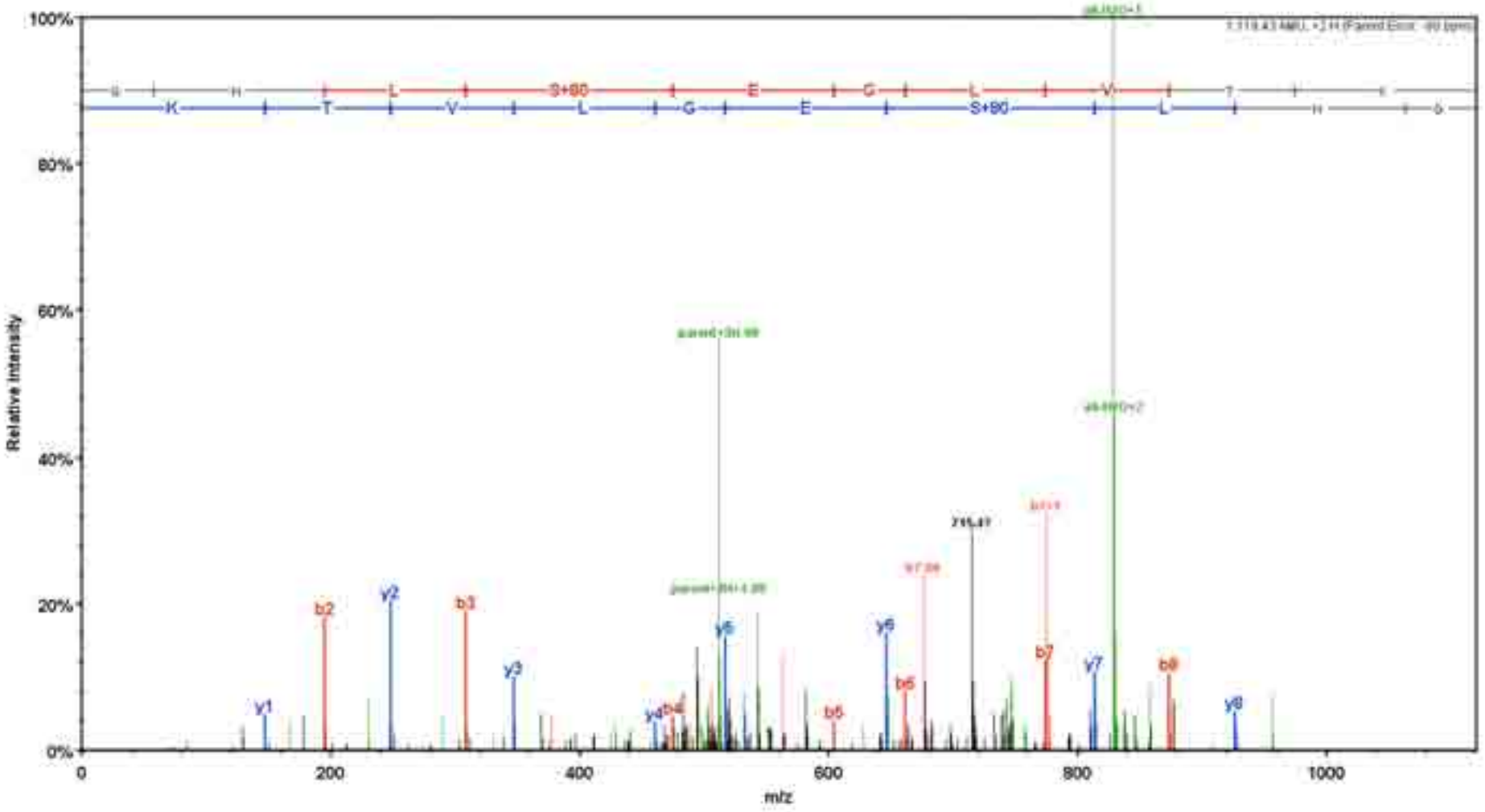

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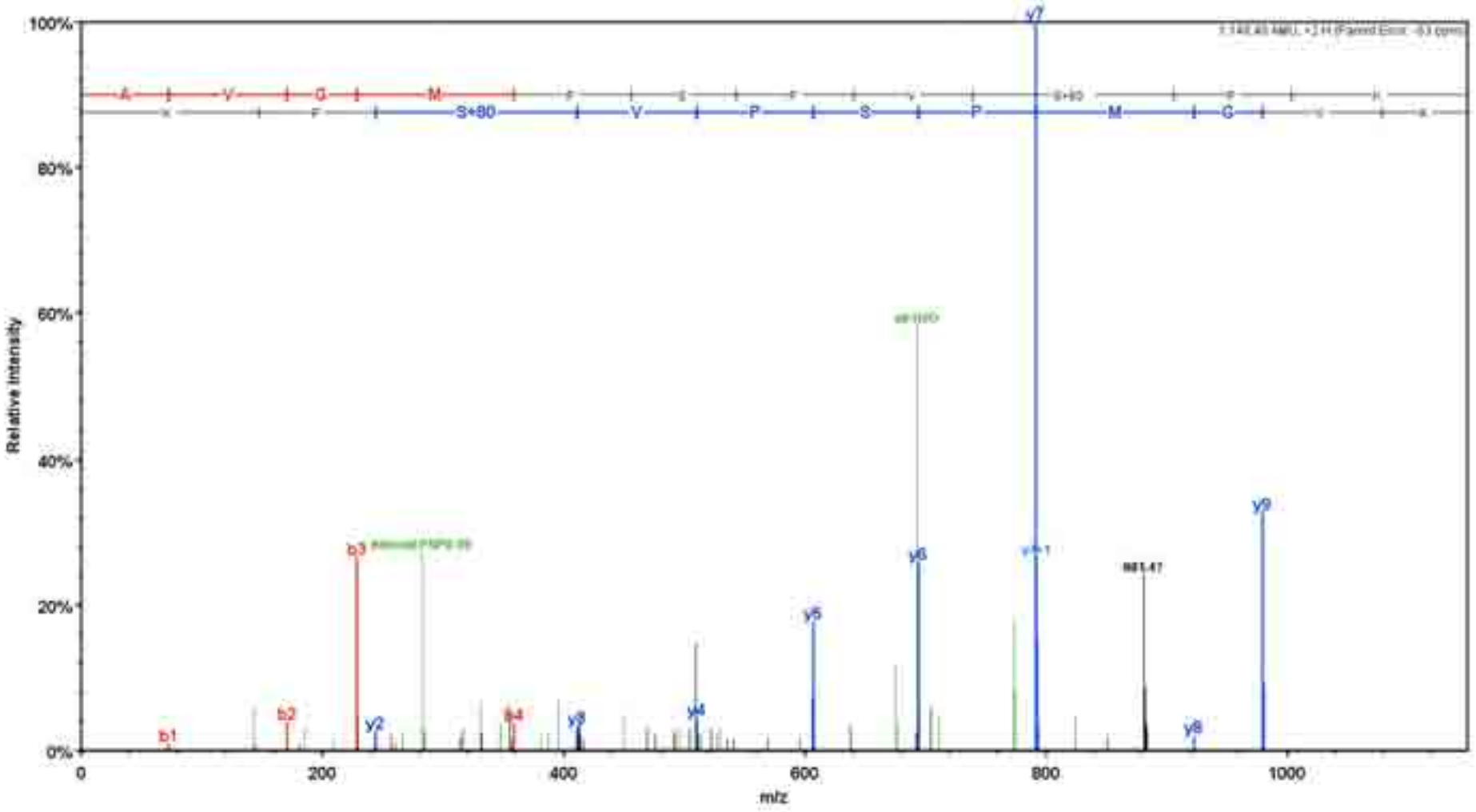

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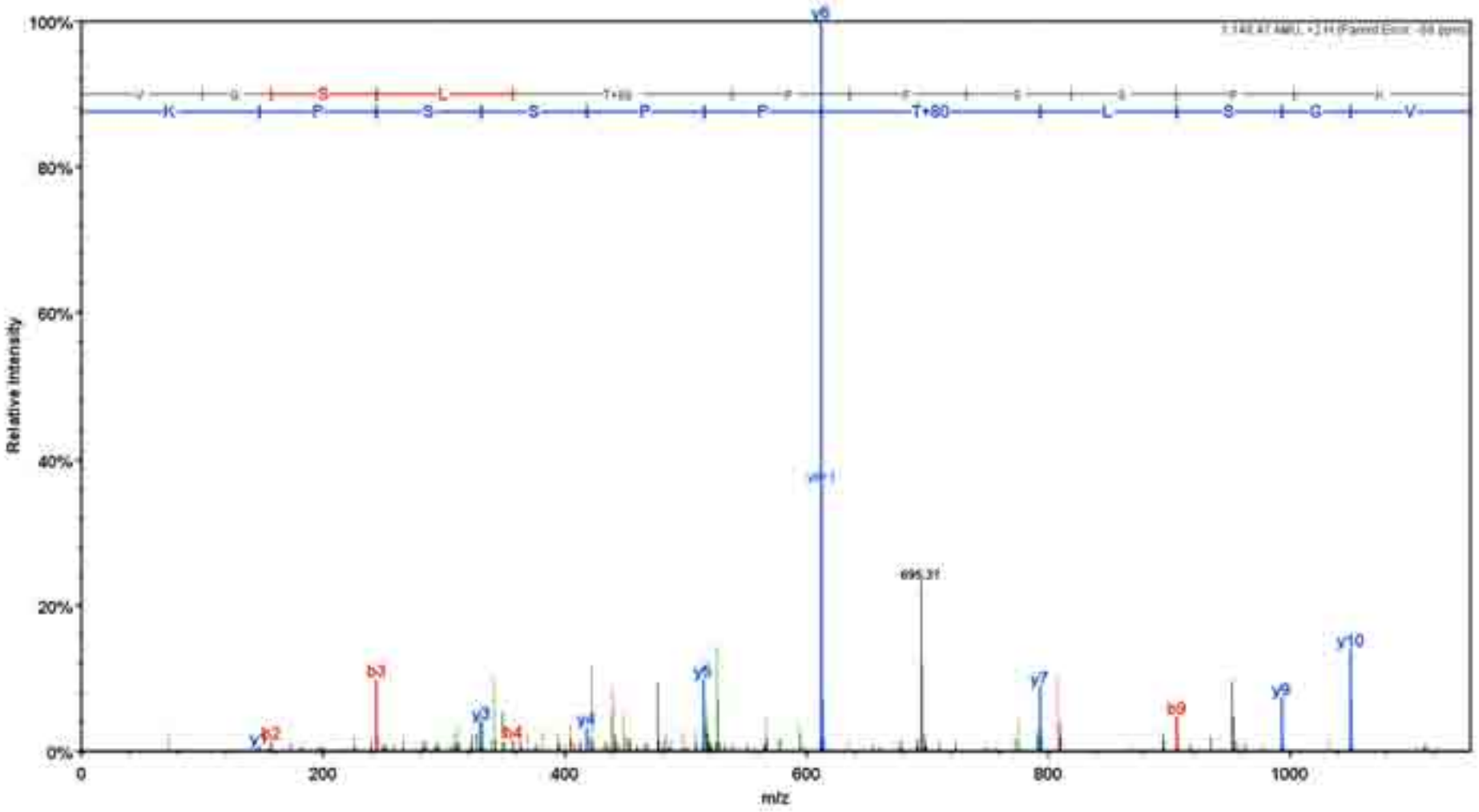

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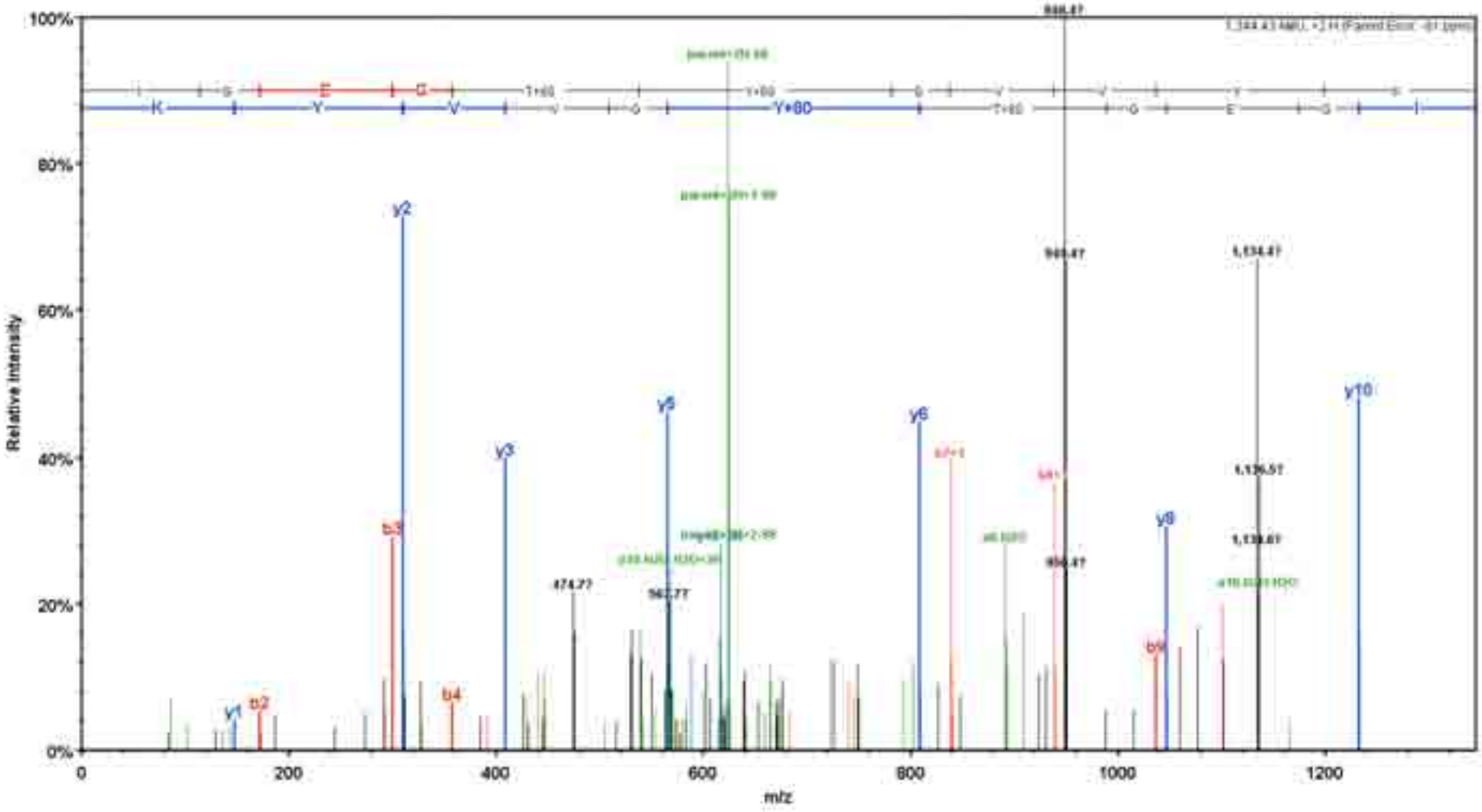

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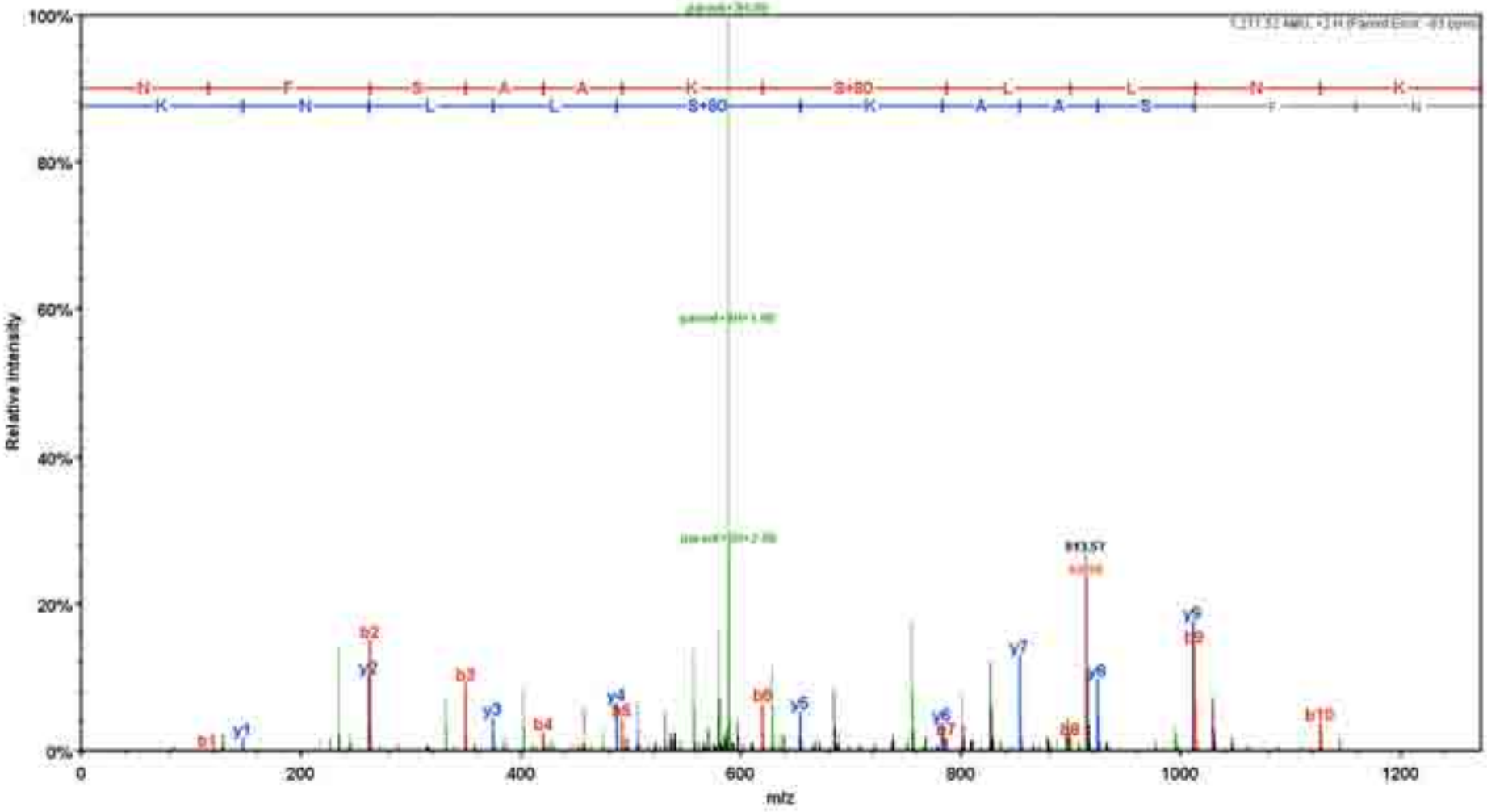

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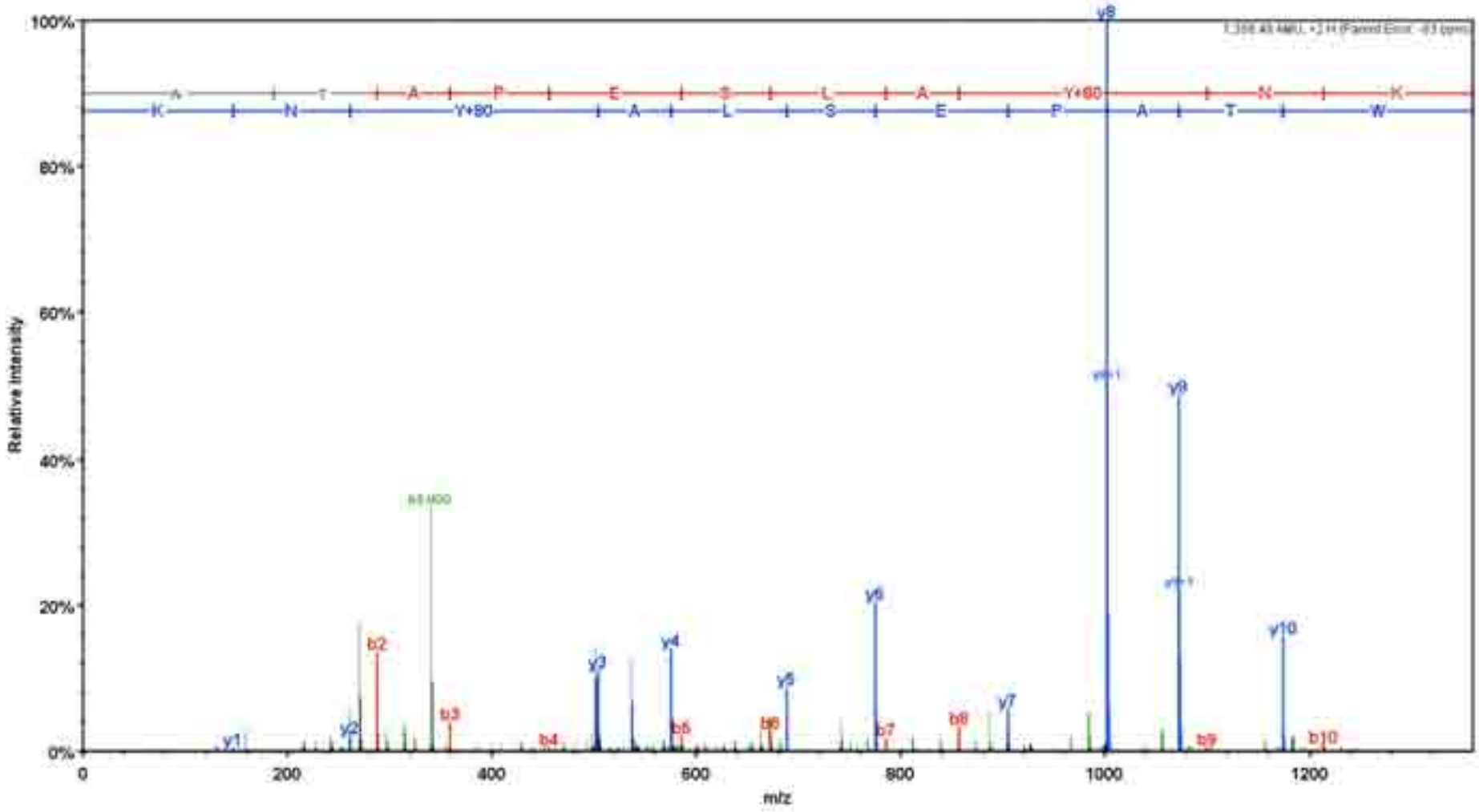

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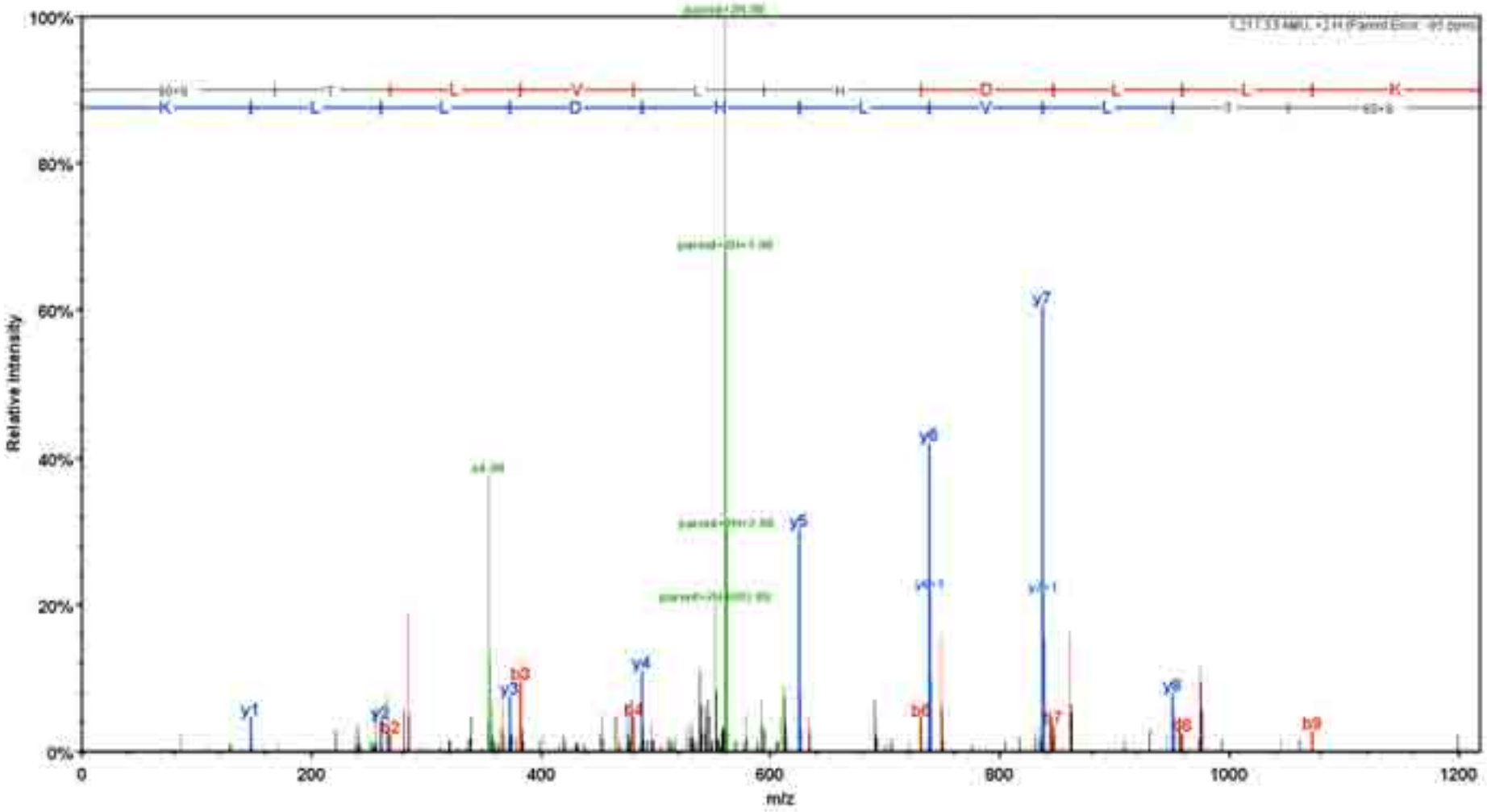

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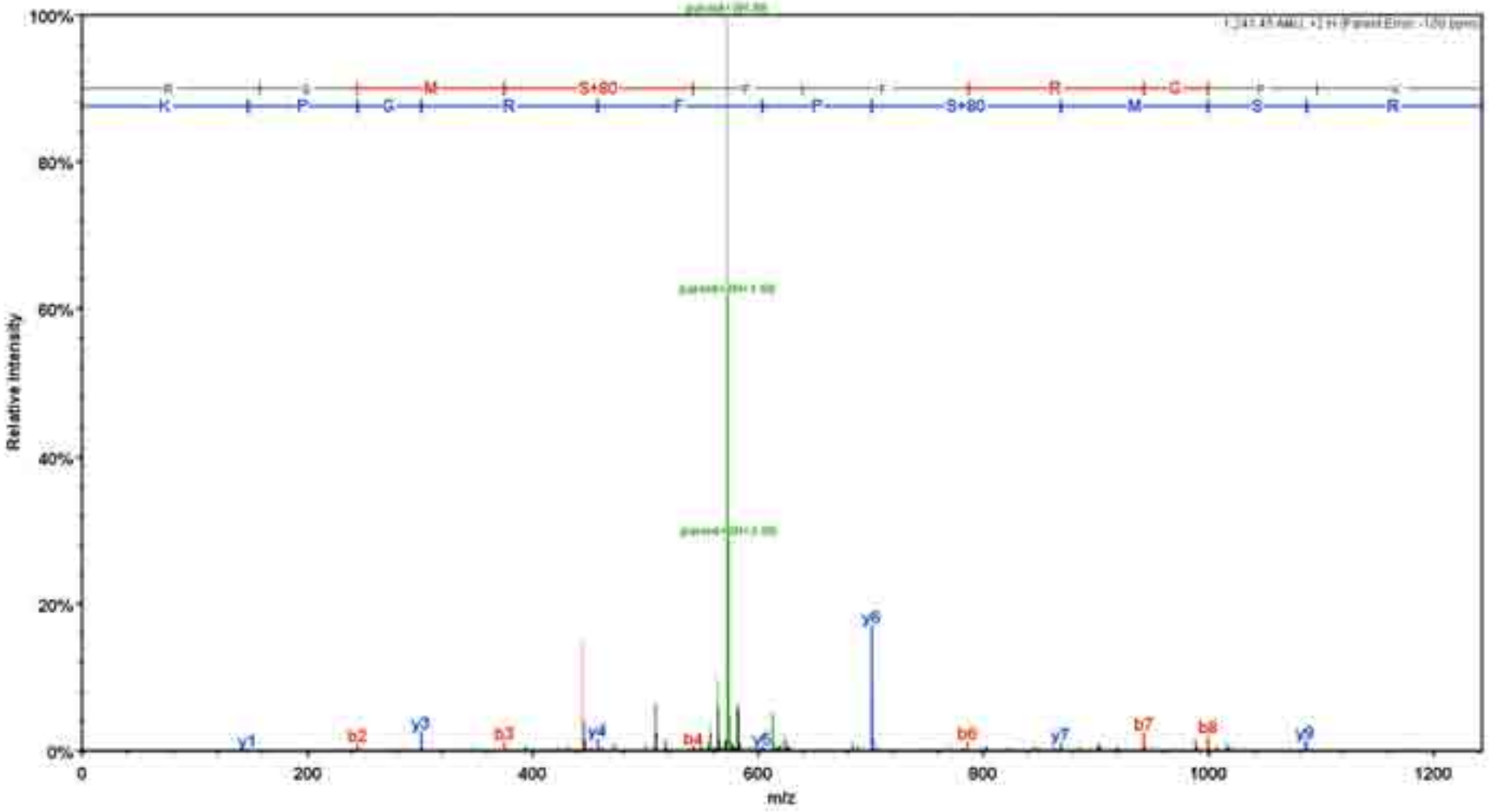

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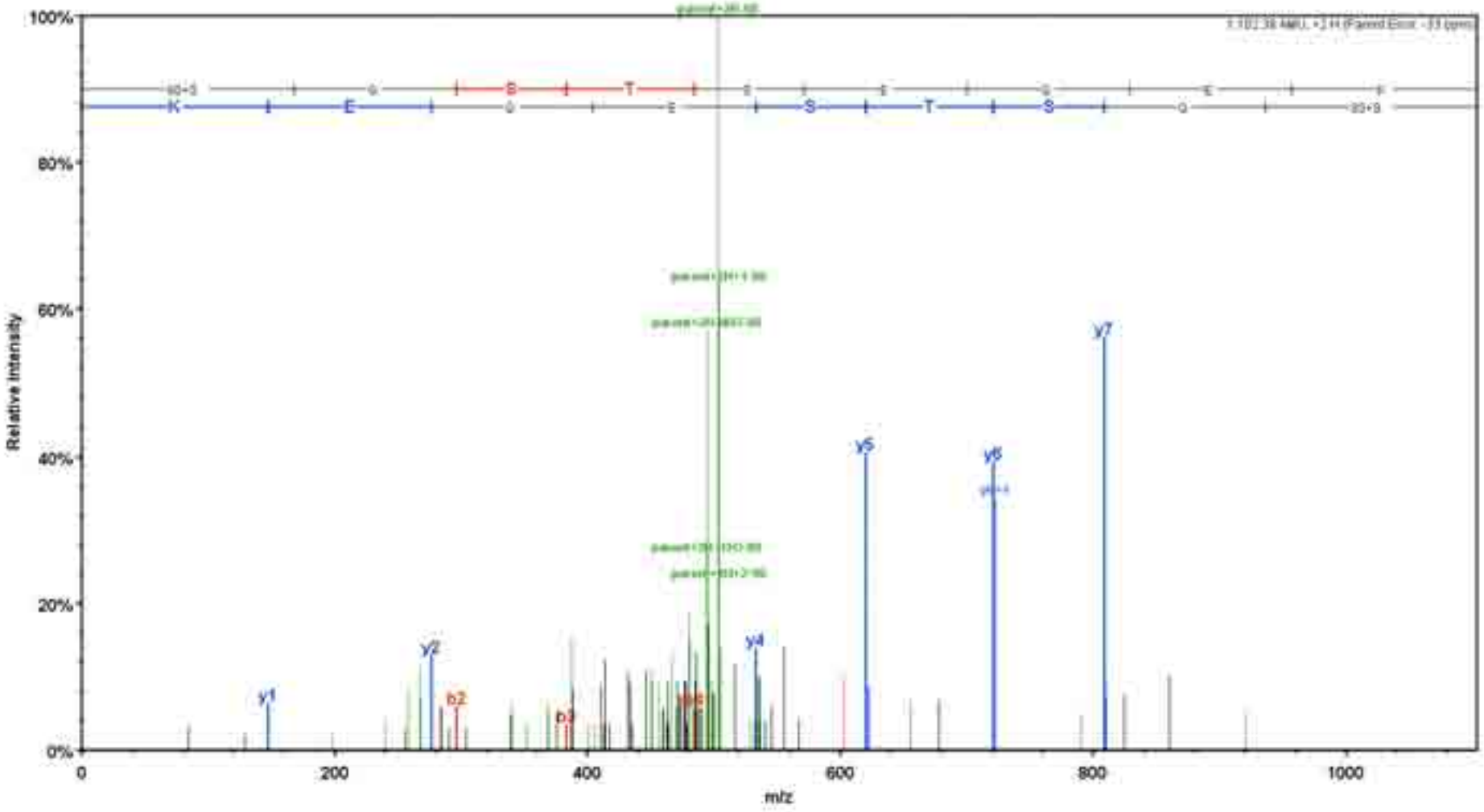
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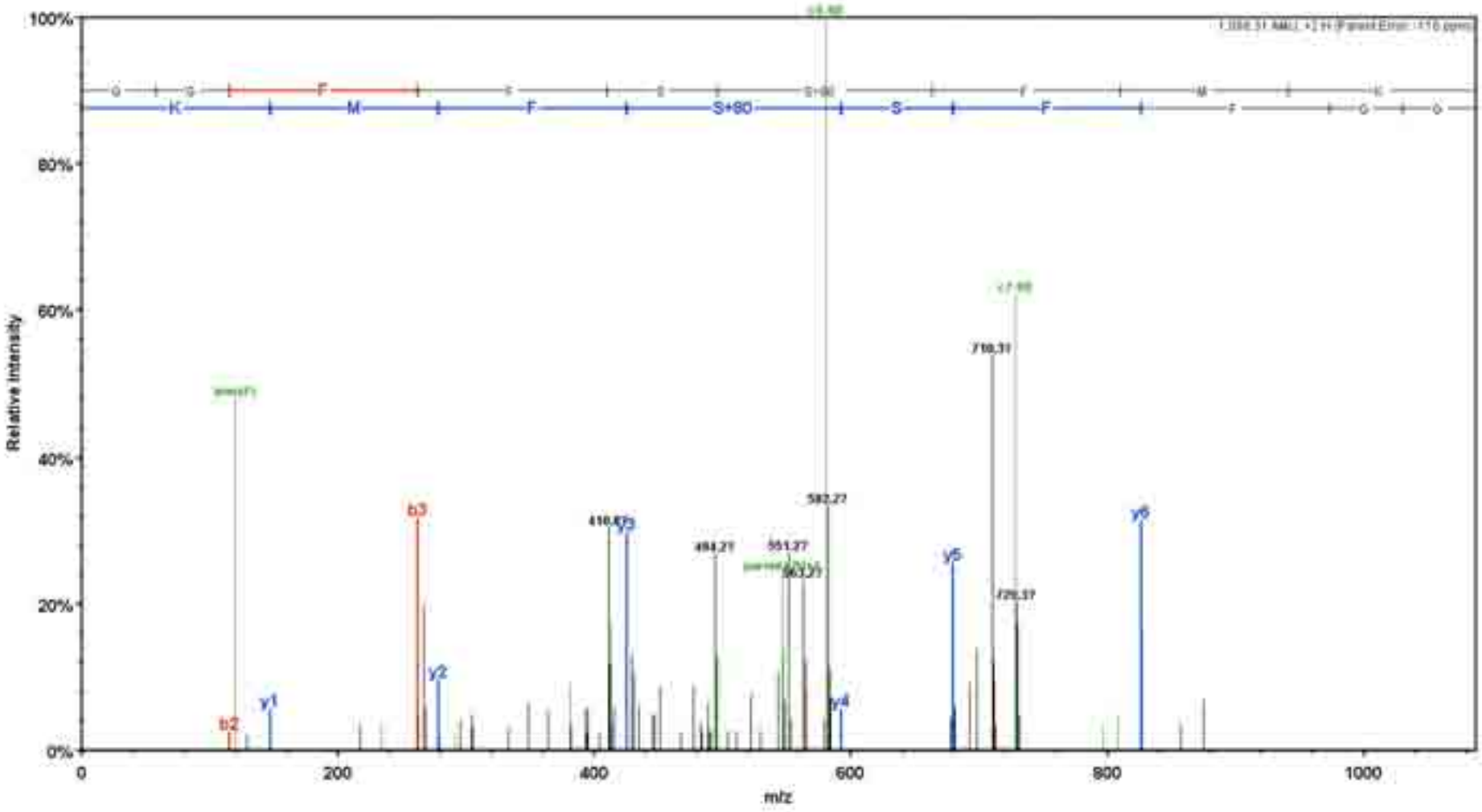
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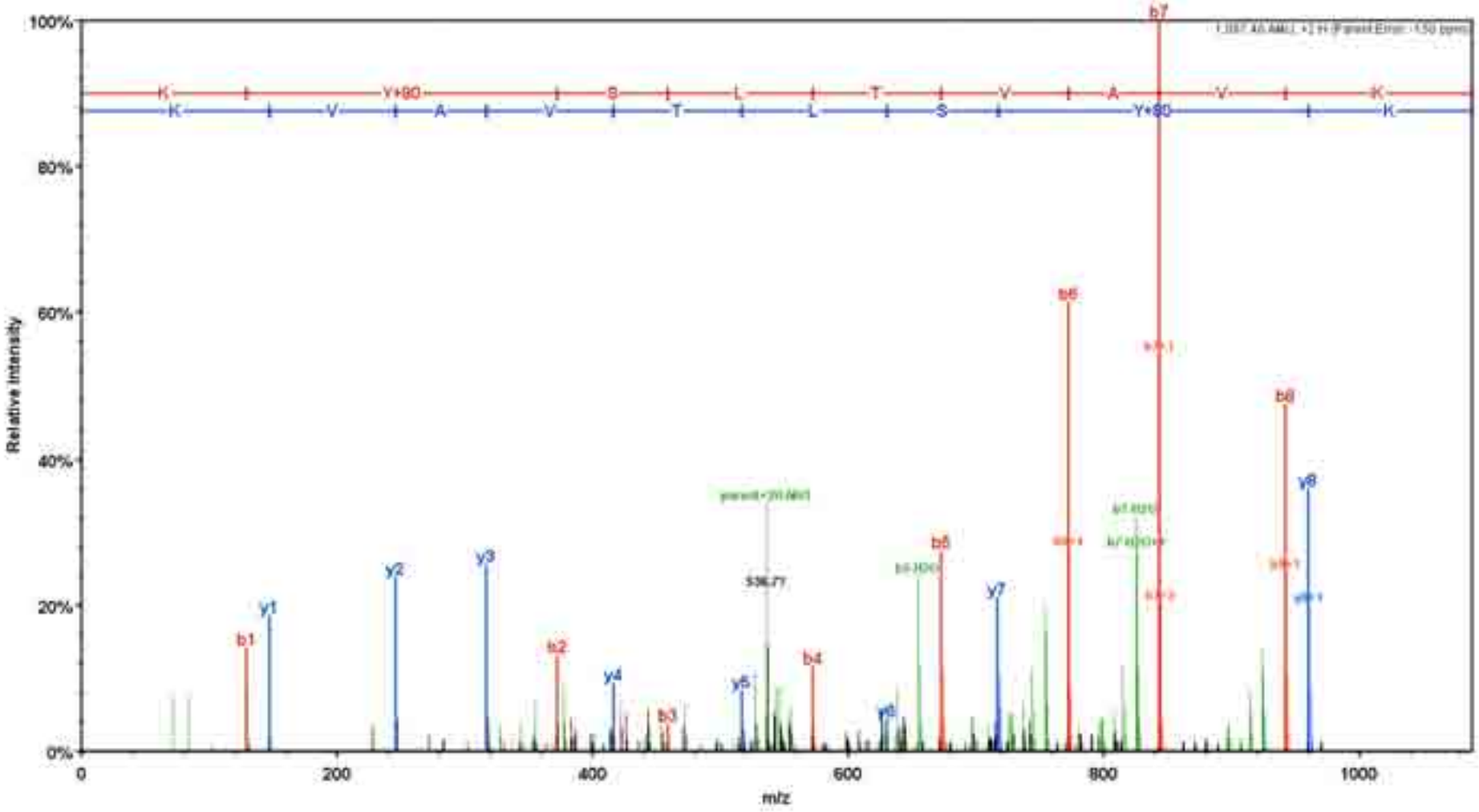
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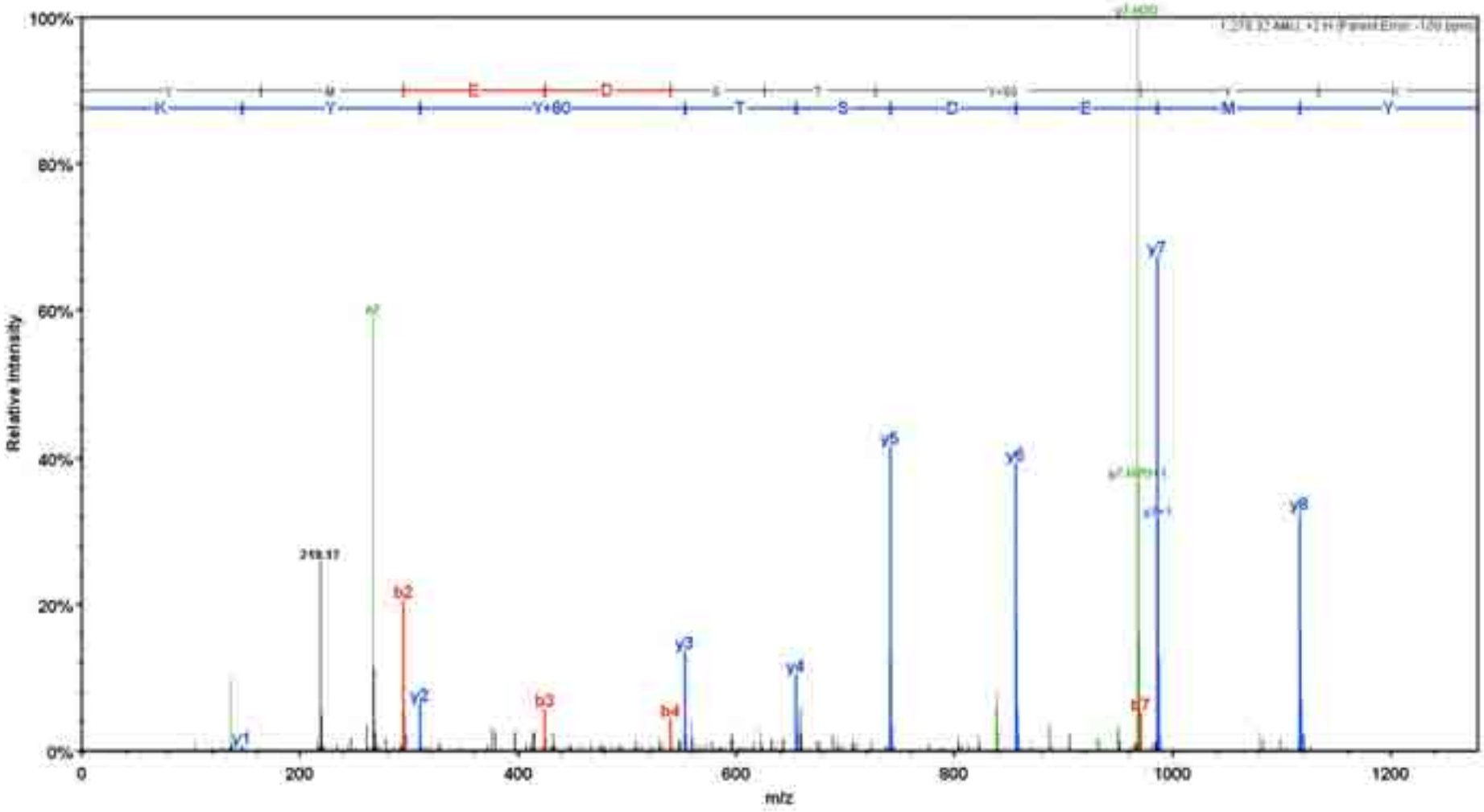
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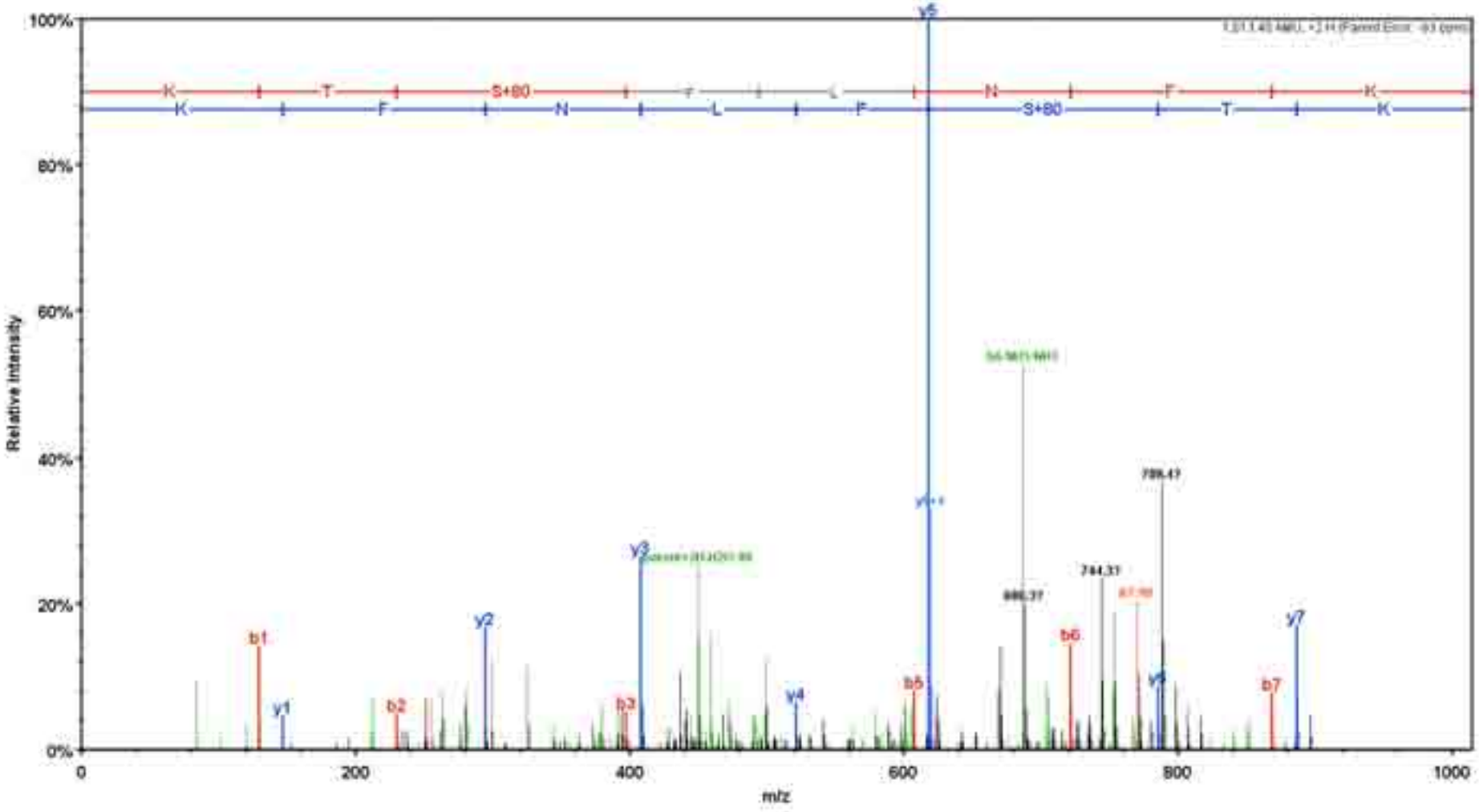
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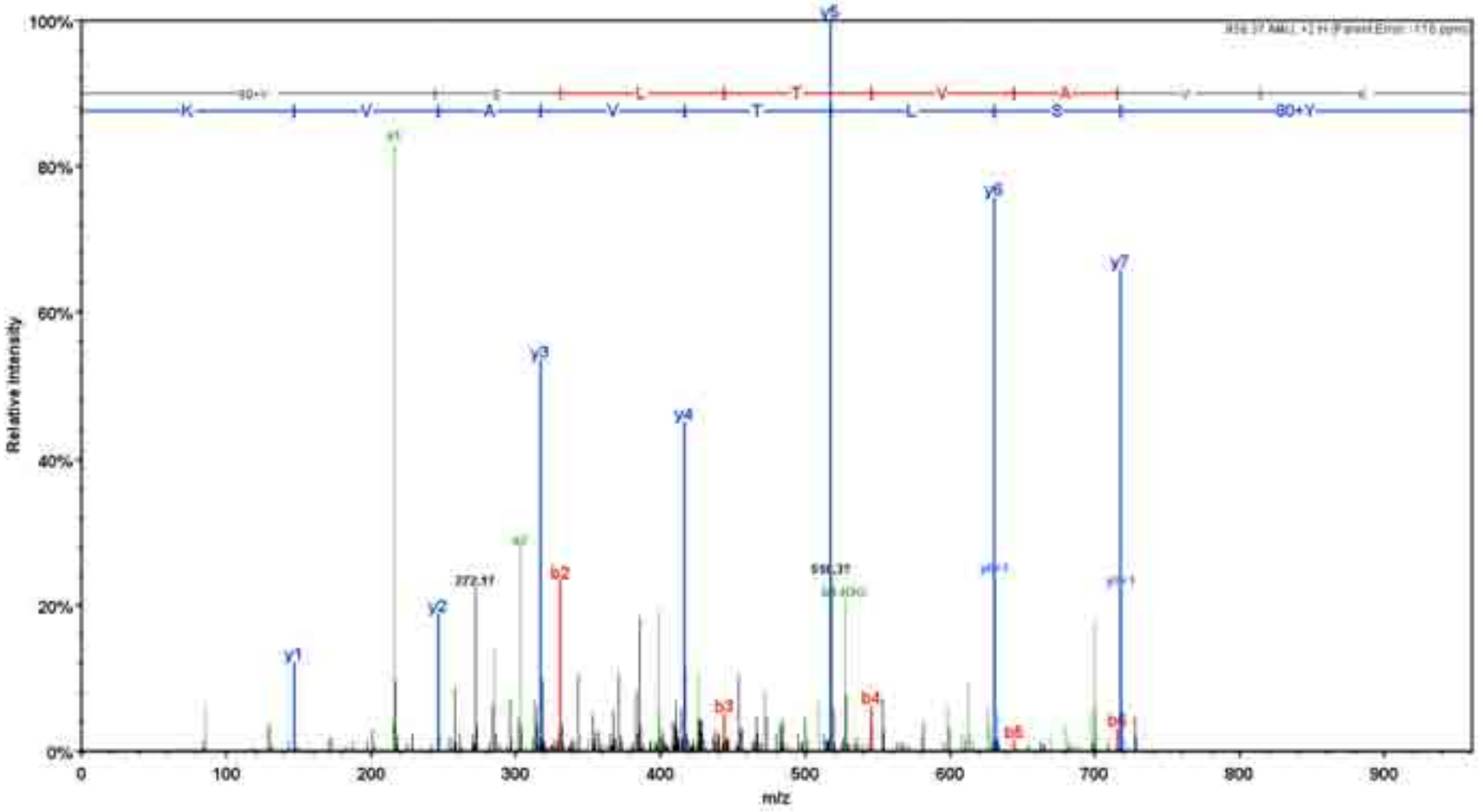
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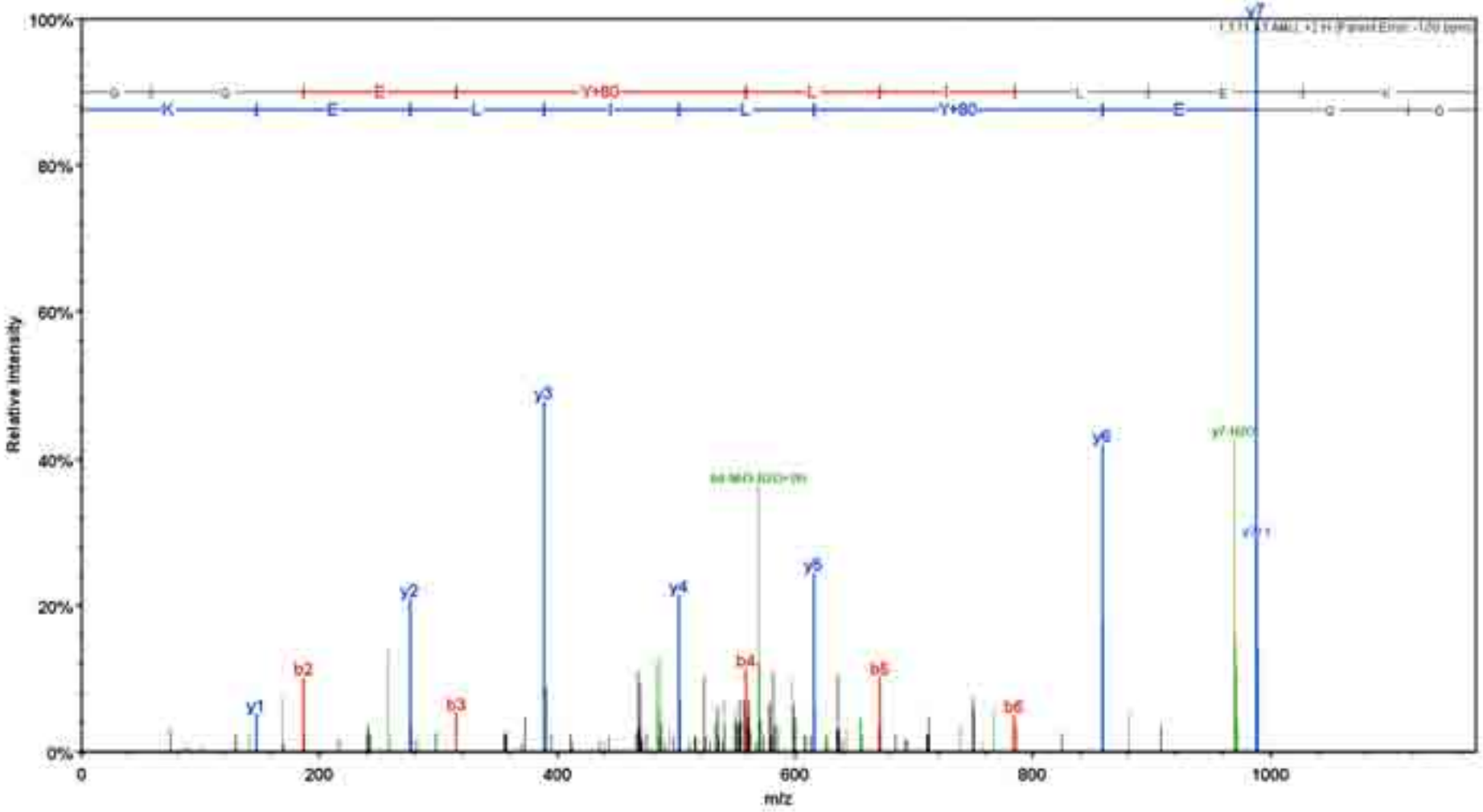
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b6

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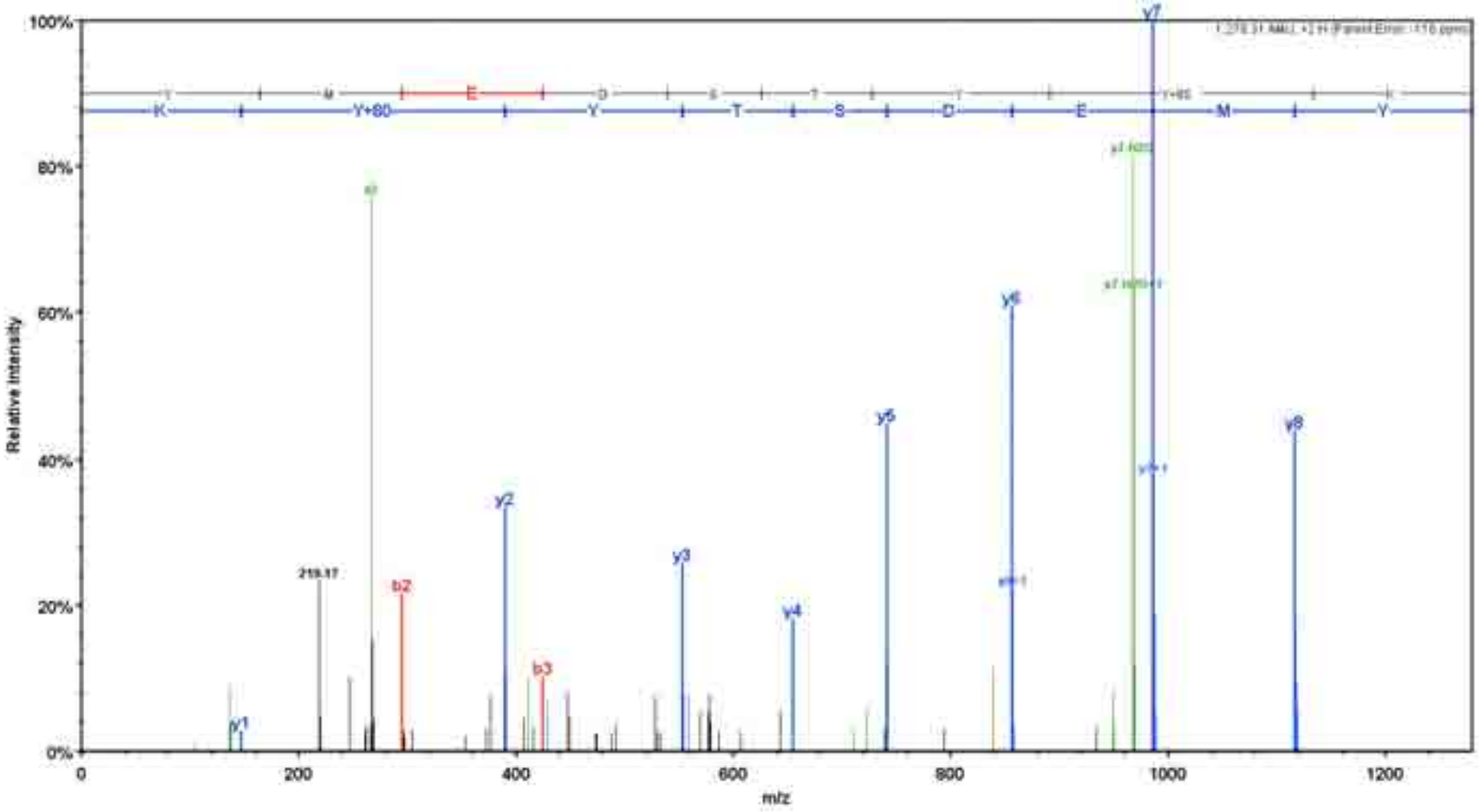
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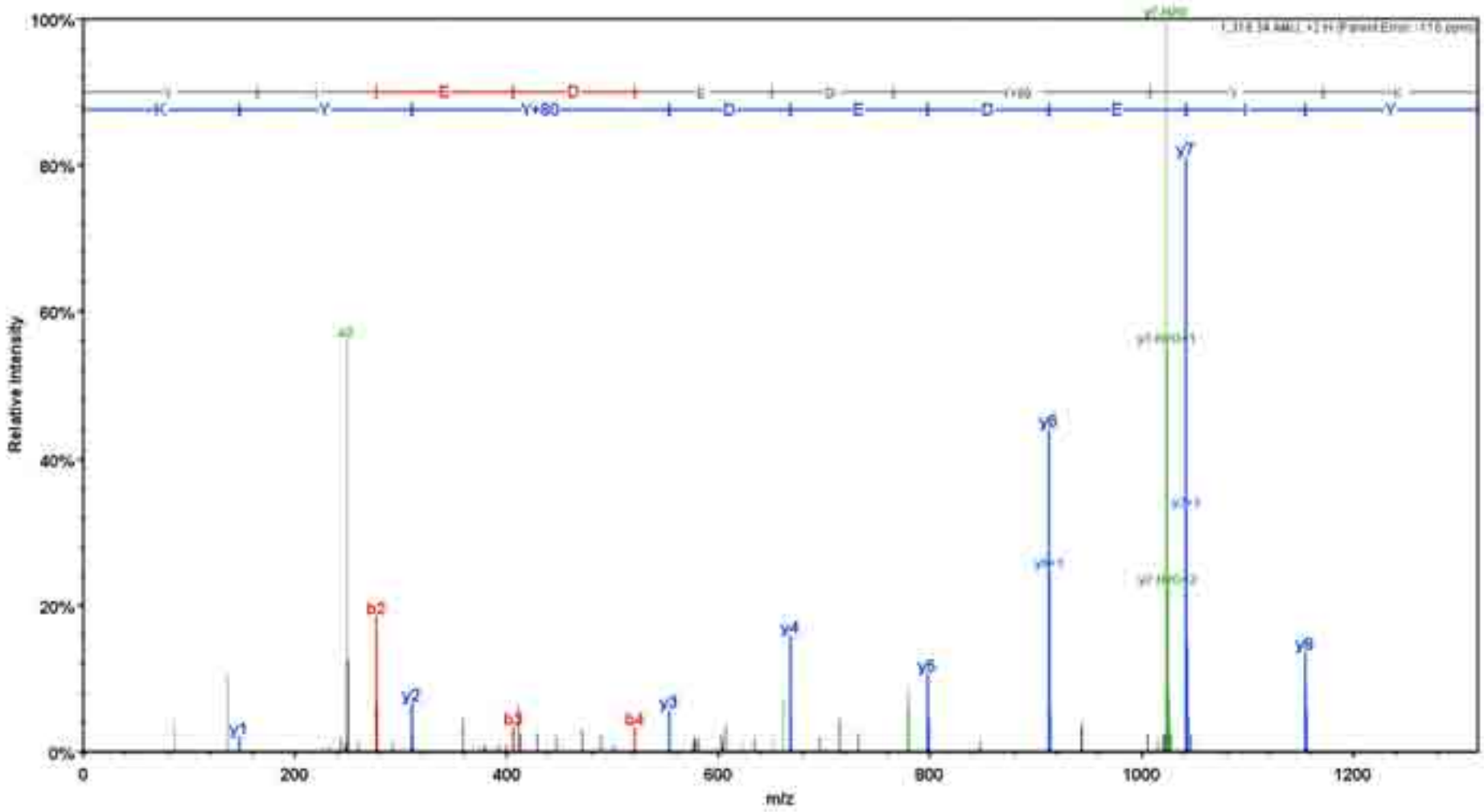
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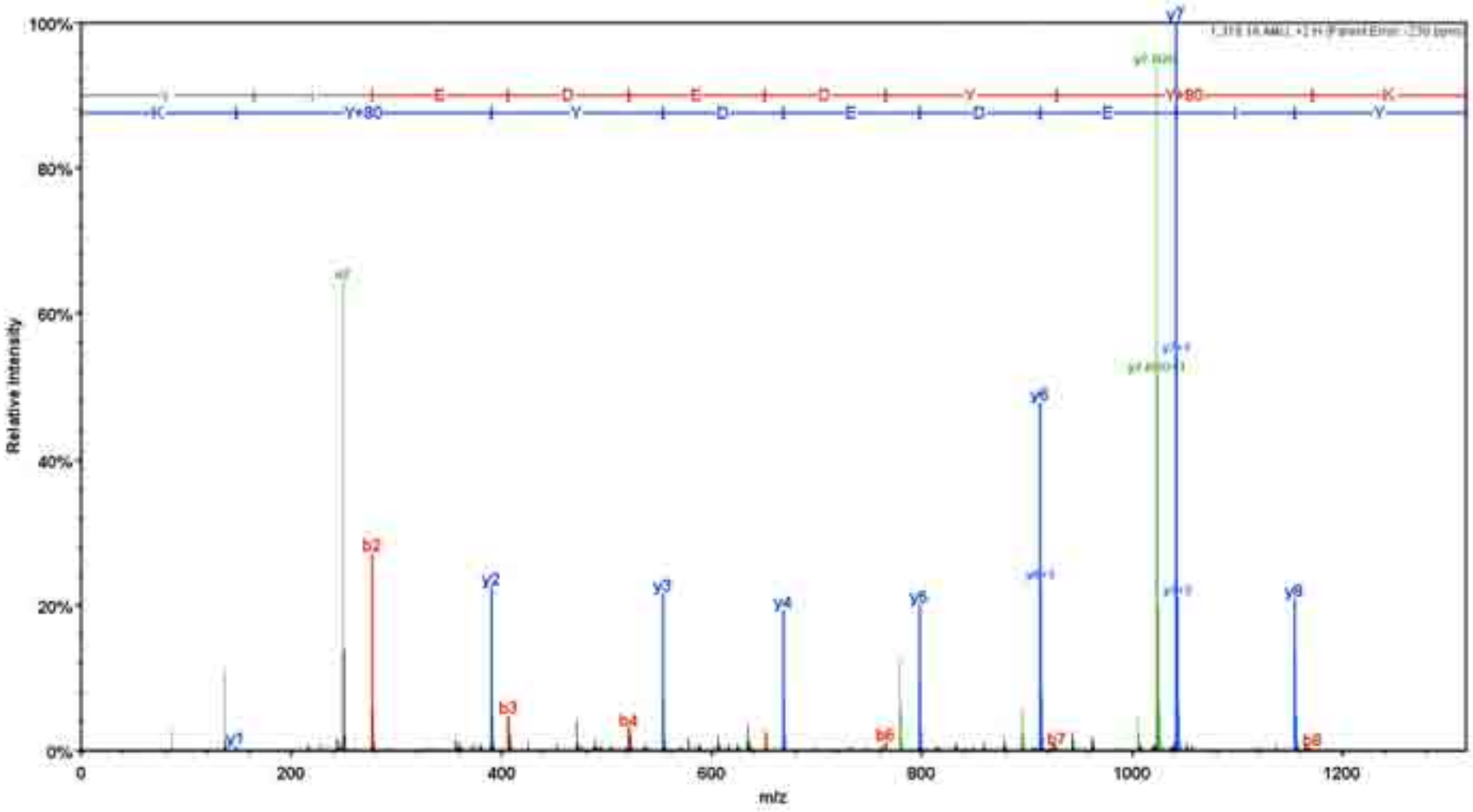
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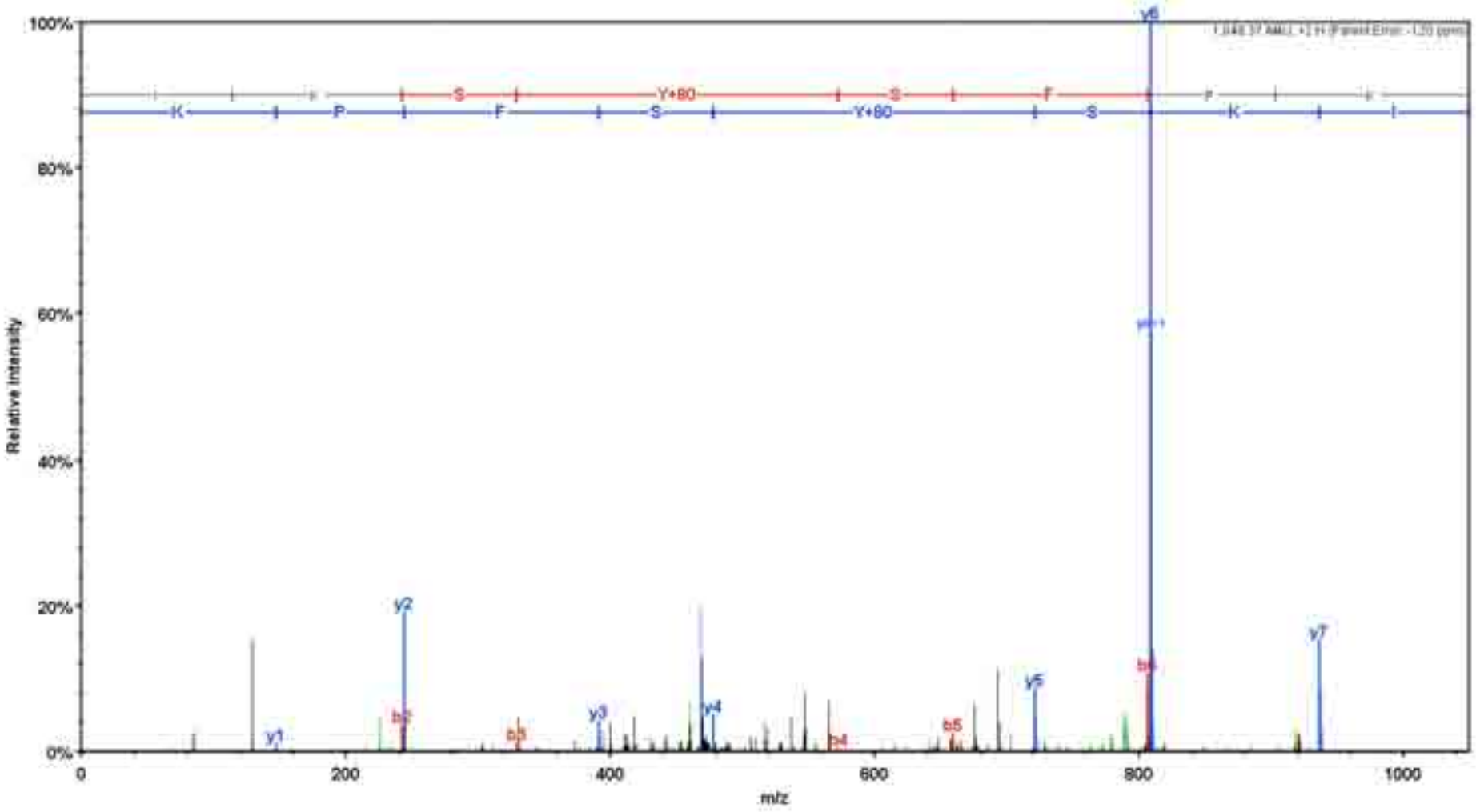
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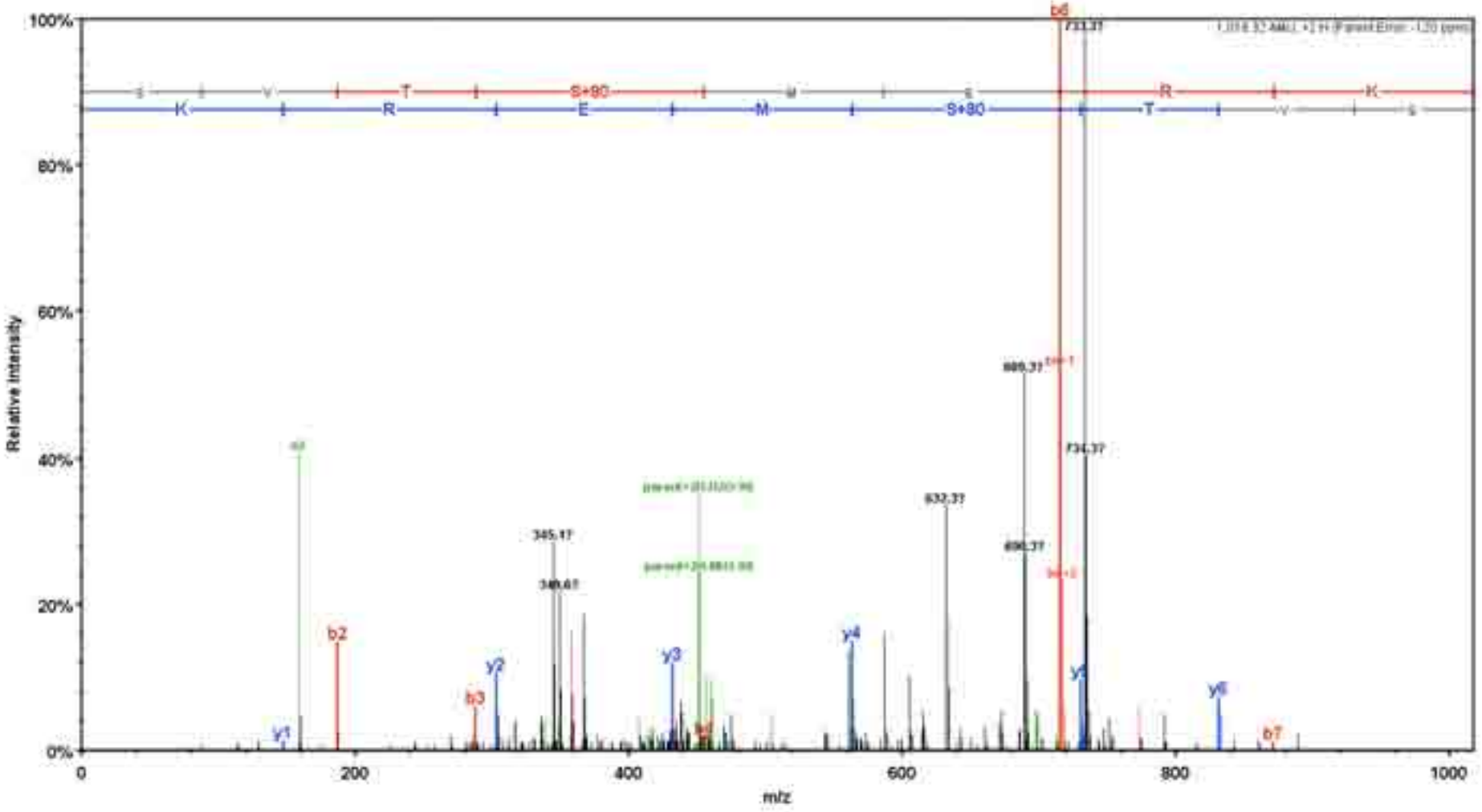
y6
y6++
b6
y7

SVTpSMERK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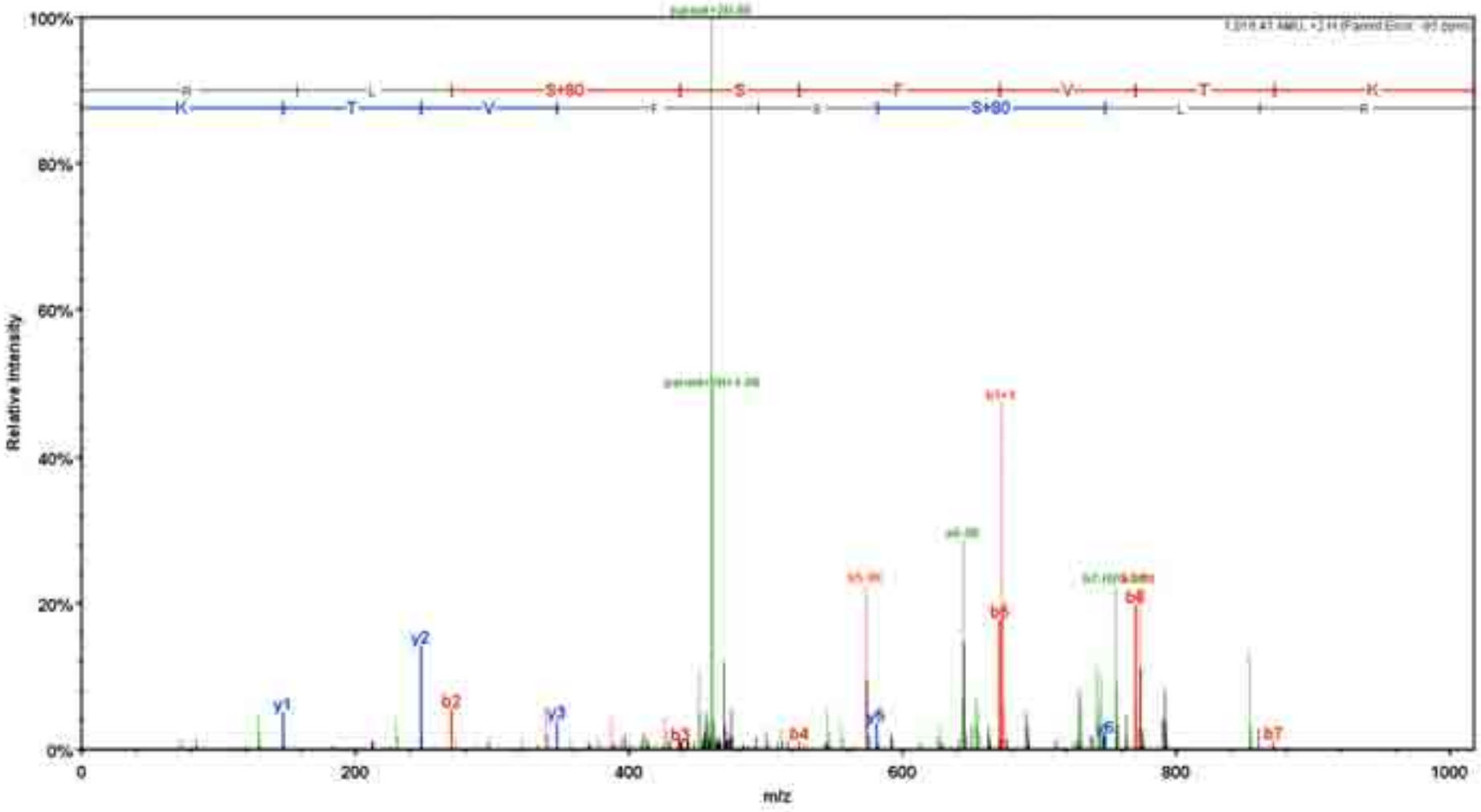
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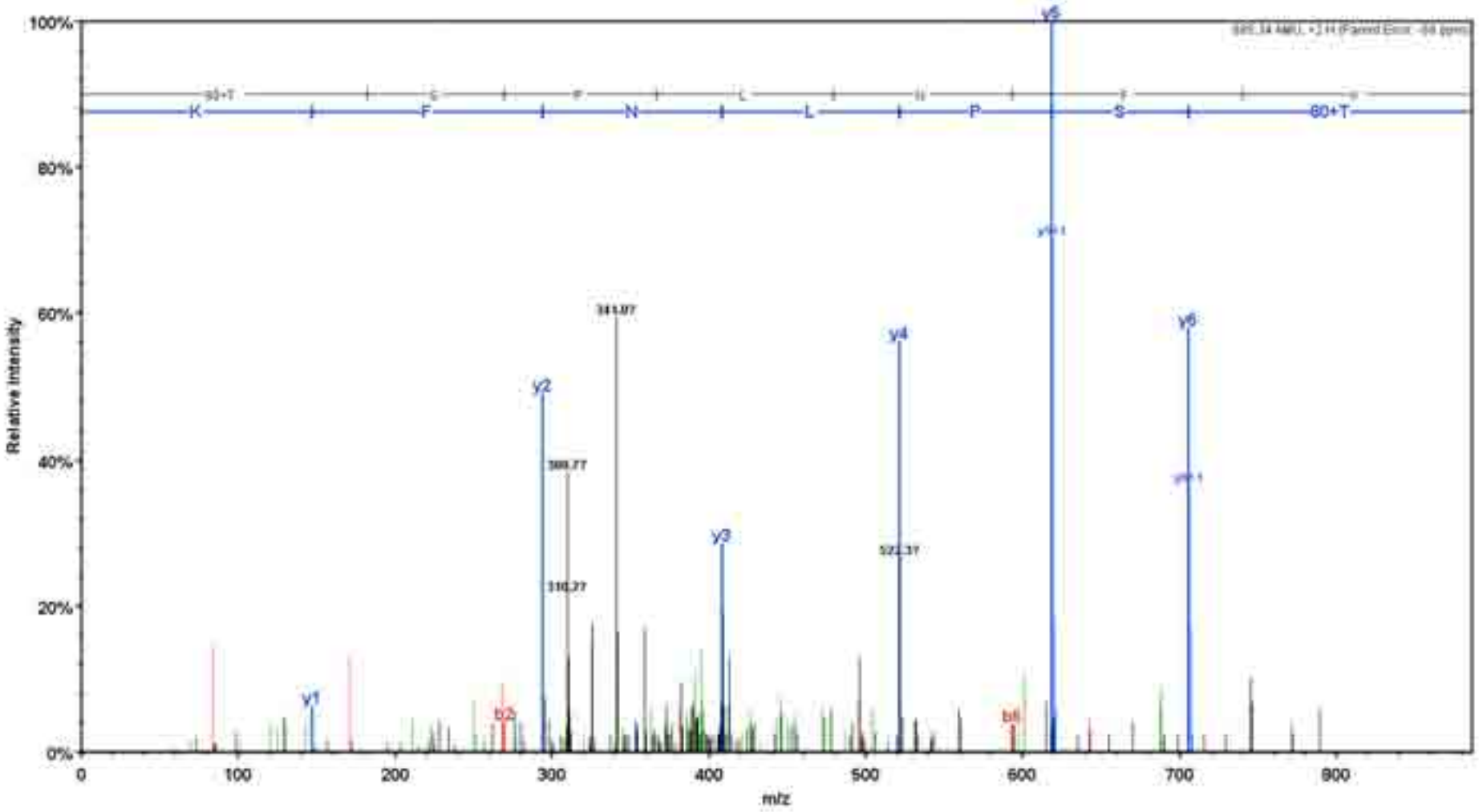
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b5

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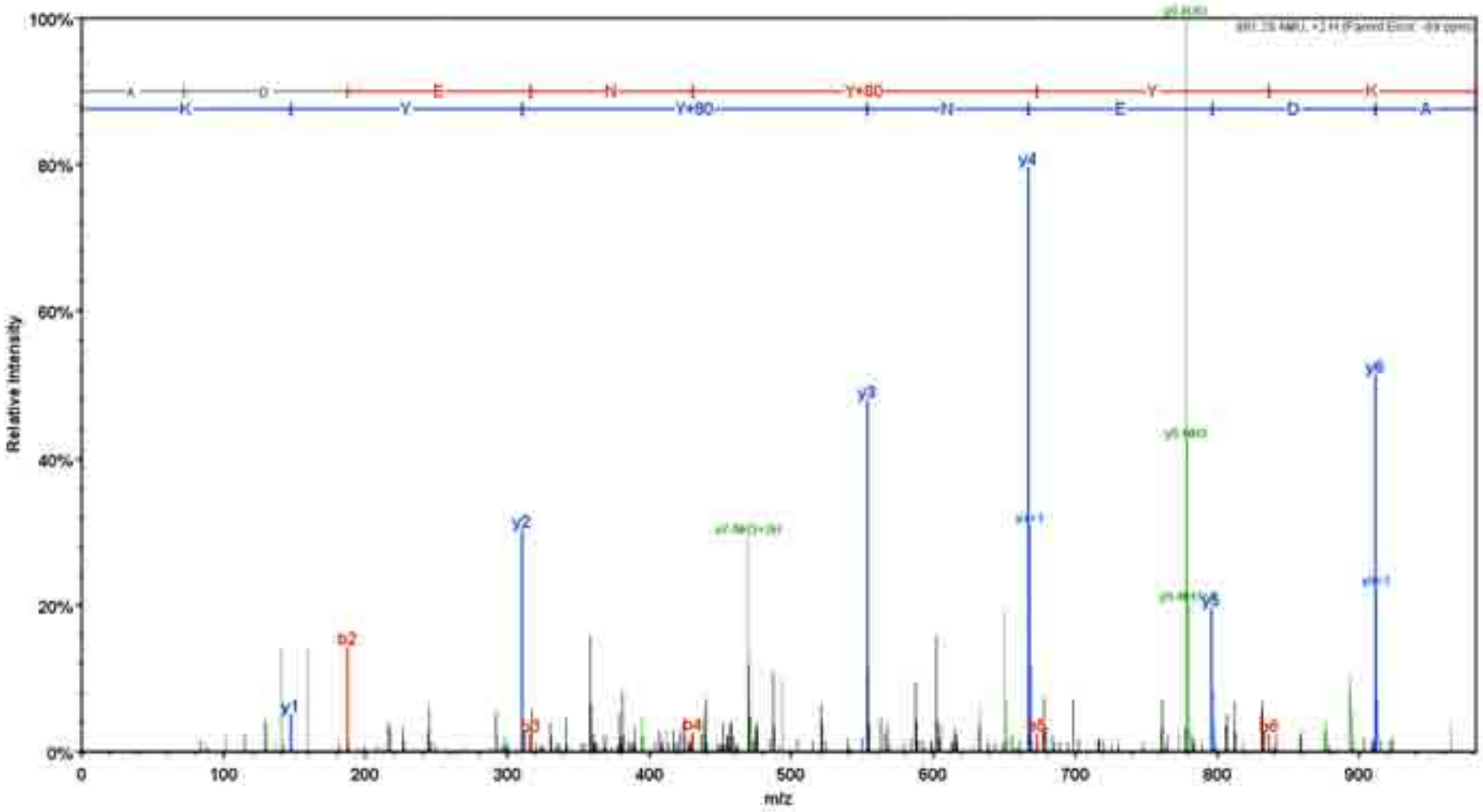
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y5
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y1
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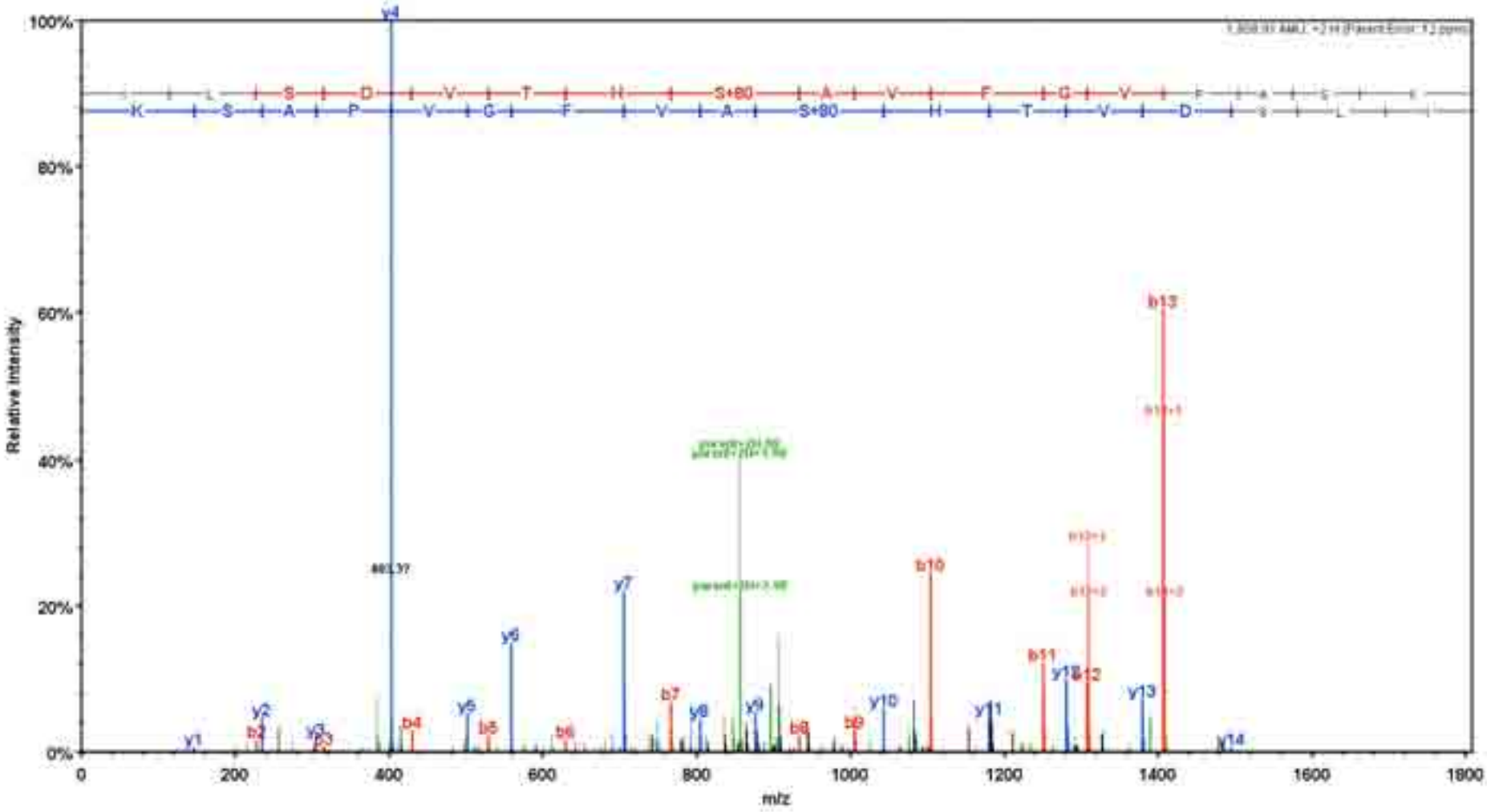

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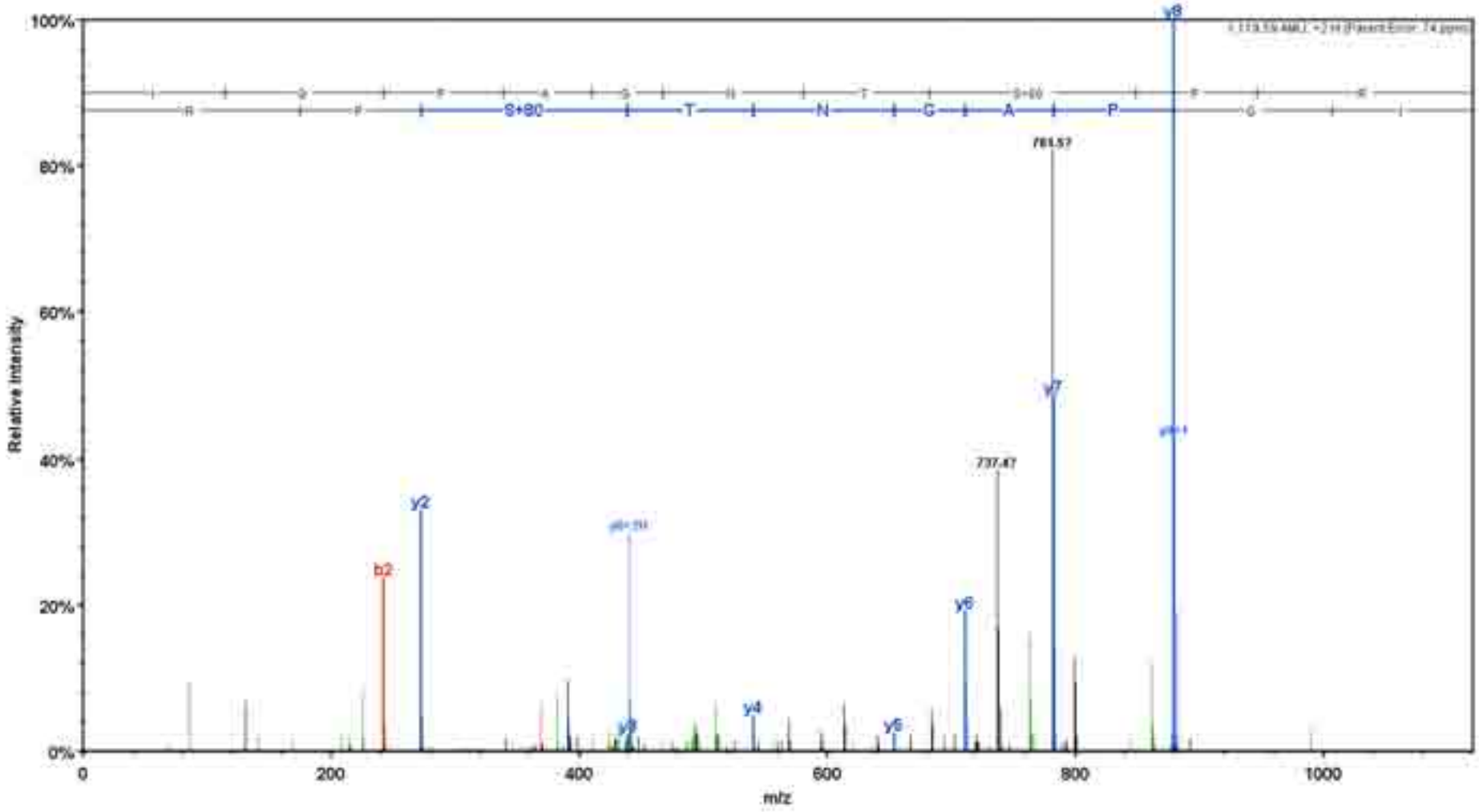

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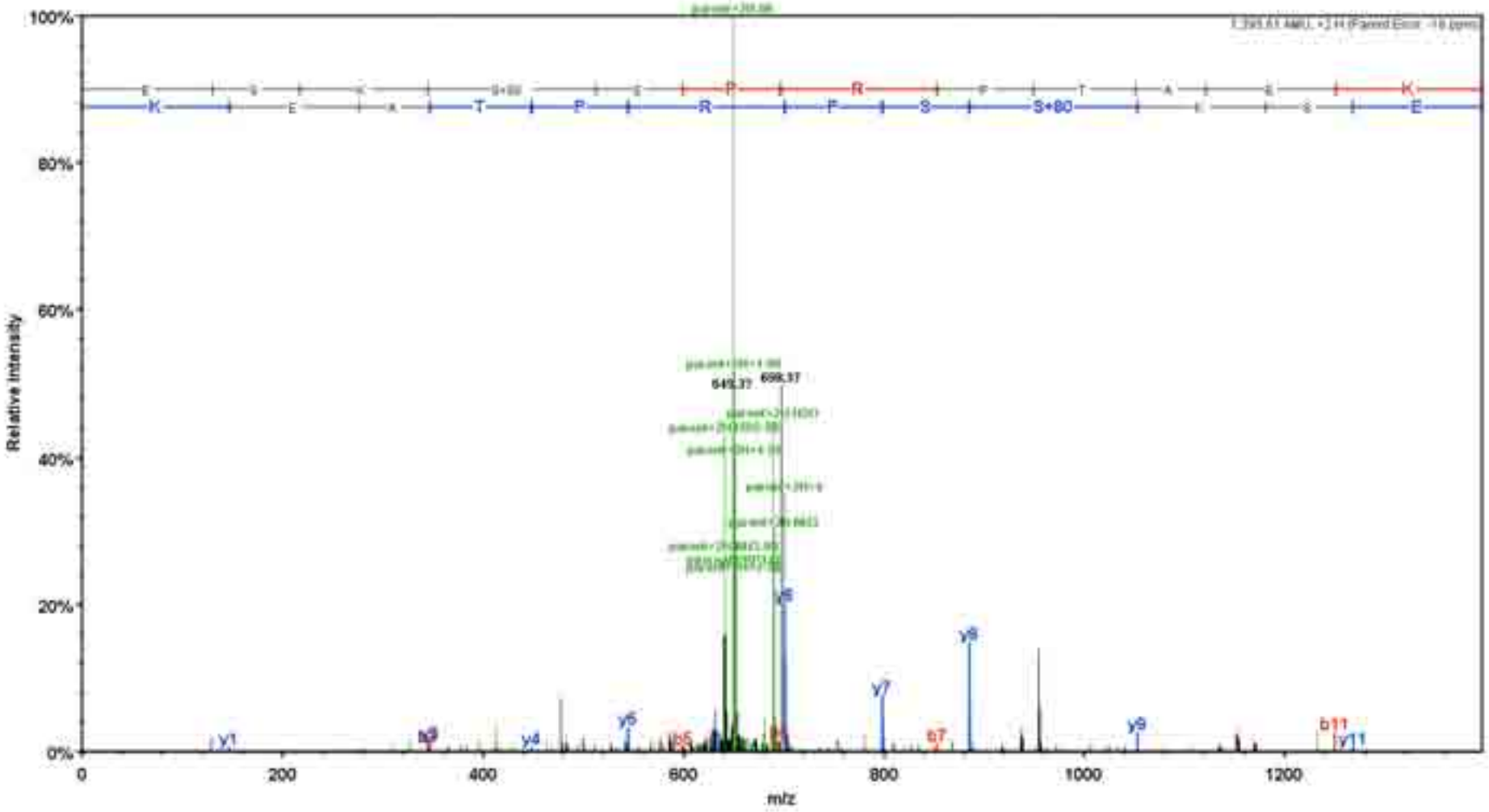

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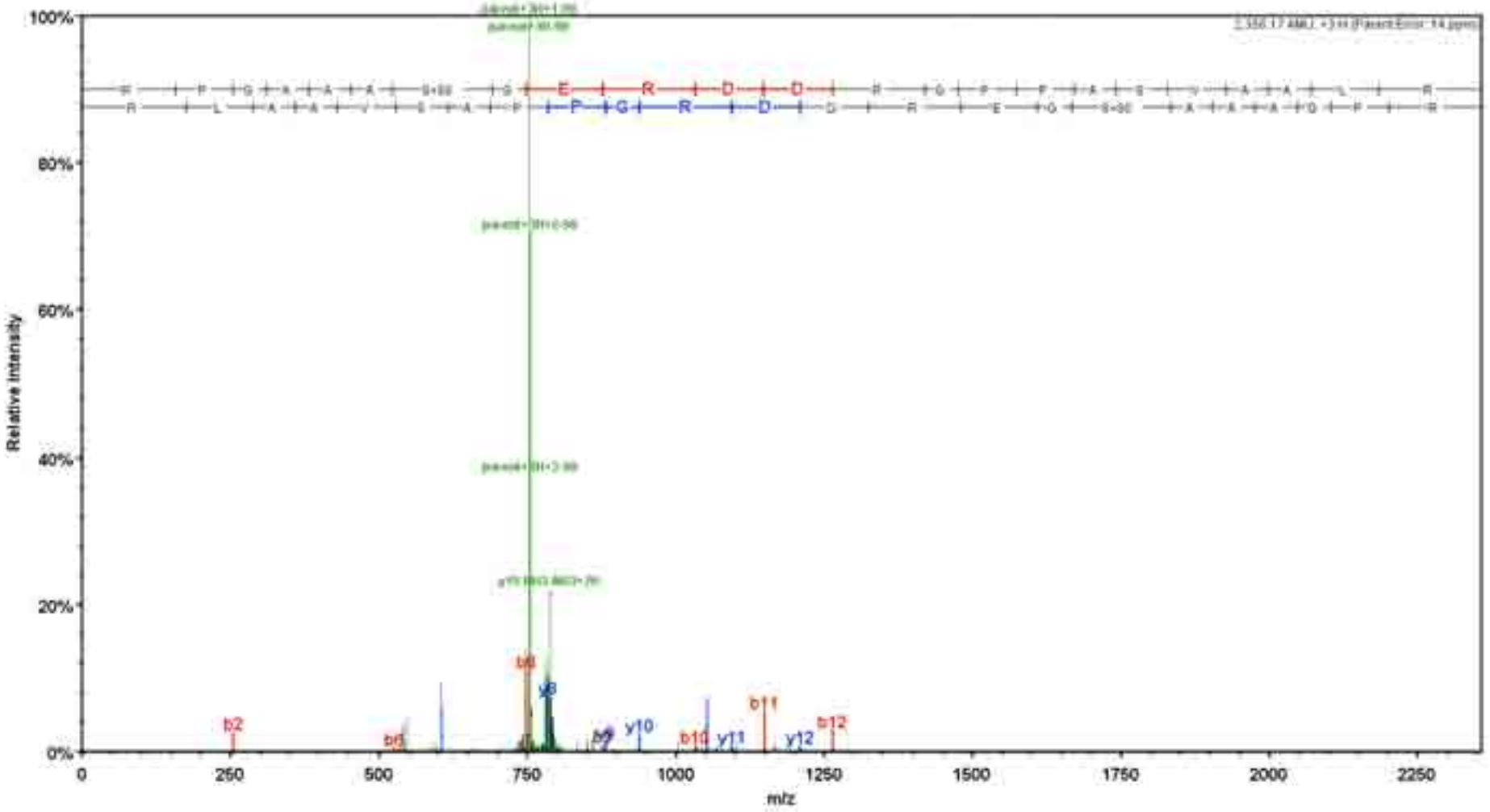

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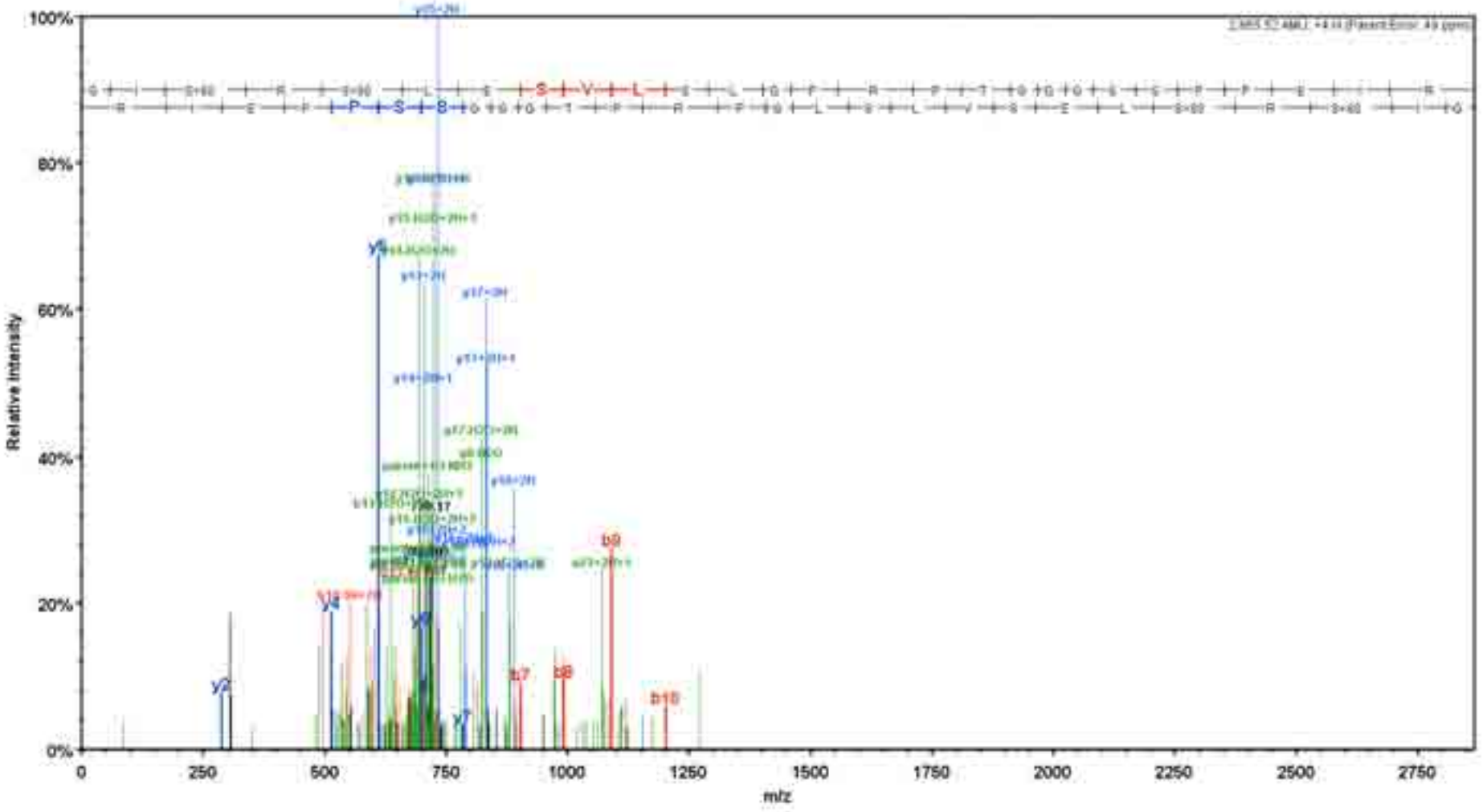

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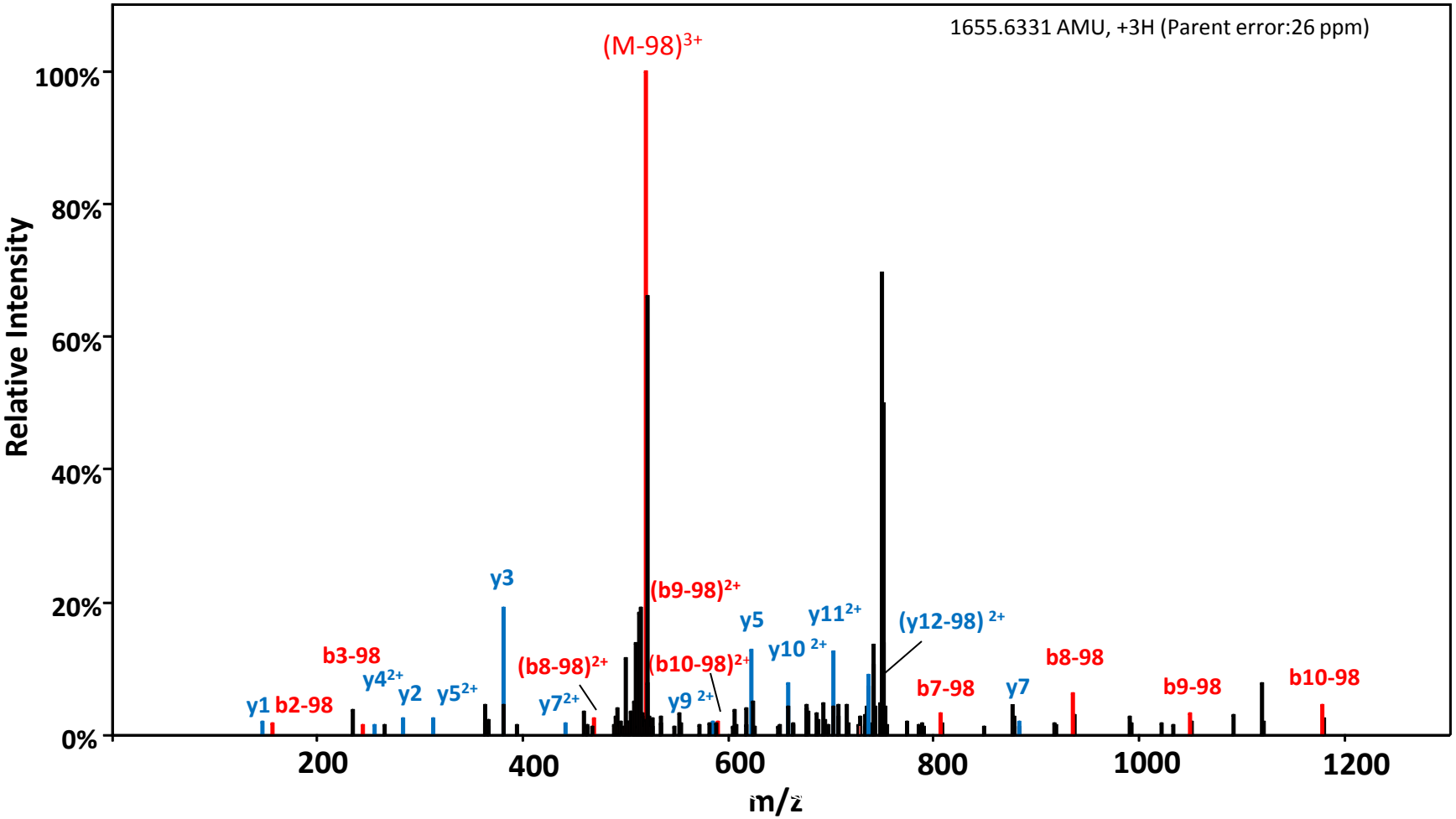

Table S1: Bruker ultrafleXtreme TOF/TOF

phospopeptide sequence	IPI acc. No.	protein	# of sites in peptide	modified position in peptide	neutral mass	position in 96-well-plate	search file	Mascot Search log	P-site localization	1st score	assigned amino acid	2nd score	assigned amino acid	3rd score	4th score	Mascot delta score
ADENYYK	IPI00018597	SYK	1	5	981,348055	plate 1 / well A 1	plate 1 well A1 (Signal Noise 3)	F036789.dat	correct	31,4		15	Y6			16,4
GHLSEGLVTK	IPI00003431	MAPK6	1	4	1119,532485	plate 1 / well A 2	plate 1 well A2 (Signal Noise 3)	F036790.dat	correct	49,2						49,2
LMTGDTYTAHAGAK	IPI00329488	ABL2	1	7	1515,642845	plate 1 / well A 3	plate 1 well A3 (Signal Noise 3)	F036791.dat	correct	73		56,7	T6	56,4 (T8)	32,2 (T3)	16,3
SEGSPVLPHEPAK	IPI00145805	TNIK	1	4	1426,649295	plate 1 / well A 4	plate 1 well A4 (Signal Noise 3)	F036792.dat	correct	55,4		51	S1			4,4
SSSPTQYGLTK	IPI00329638	ZAK	1	1	1247,543465	plate 1 / well A 5	plate 1 well A5 (Signal Noise 3)	F036793.dat	correct	93,3		75,8	S2	57,5 (S3)	30,2 (T5)	17,5
VQTTPPPAVQGQK	IPI00298978	AAK1	1	4	1429,696595	plate 1 / well A 6	plate 1 well A6 neu (110404)	F036794.dat	correct	52,9		39,8	T3			13,1
YSLTVAVK	IPI00216969	ABL1	1	1	959,472855	plate 1 / well A 7	plate 1 well A7 (Signal Noise3)	F036795.dat	correct	8,8		8	S2			0,8
LPLTRSHNNFVAILDLPEGEHQYK	IPI00220409	PRKAB1	1	6	2870,411565	plate 1 / well A 8	plate 1 well A8 (110405)	F035323.dat	correct	20,8		13,8	T4			7
ETTTSPKKYYLAEK	IPI00000878	TEC	1	5	1737,822585	plate 1 / well A 9	plate 1 well A9 (Signal Noise 3)	F036797.dat	false	34,8	T3	34,8	T2	27,5	26,1 (T4)	7,3
PTTGVILPSGNTLRVK	IPI00465017	DKFZP781A0295	2	2&3	1811,894675	plate 1 / well A10	plate 1 well A10 (110408)	F036799.dat	not identified							
AYTHQVVTR	IPI00000685	CDK7	1	3	1153,528085	plate 1 / well A11	plate 1 well A11 (Signal Noise 3)	F036800.dat	correct	35,3		19,3	Y2			16
IQPAGNTSPR	IPI00027729	CSNK1E	1	8	1119,507345	plate 1 / well A12	plate 1 well A12 (Signal Noise 3)	F036801.dat	correct	14,1		7,9	T7			6,2
ADENYYK	IPI00018597	SYK	1	6	981,348055	plate 1 / well B 1	plate 1 well B1 (Signal Noise 3)	F036802.dat	correct	27,6		13,8	Y5			13,8
GQEYLILEK	IPI00000878	TEC	1	4	1171,552555	plate 1 / well B 2	plate 1 well B2 (Signal Noise 3)	F036803.dat	correct	11,3						11,3
LMTGDTYTAHAGAK	IPI00329488	ABL2	2	6&7	1595,609145	plate 1 / well B 3	plate 1 well B3 (110405)	F036804.dat	correct	46,1		32,8	Y7T8	32,7(T3Y7)	23,0 (T3T6)	13,3
SESPPPLSDPK	IPI00014266	BRD3	1	3	1232,532545	plate 1 / well B 4	plate 1 well B4 (Signal Noise 3)	F036805.dat	correct	41,2		31,9	S1	8,4 (S8)		9,3
SSSPTQYGLTK	IPI00329638	ZAK	1	2	1247,543465	plate 1 / well B 5	plate 1 well B5 (Signal Noise 3)	F036806.dat	unassigned	36,5		36,5	S1	32,8 (S3)	23,0 (T5)	0
VQTTPPPAVQGQK	IPI00298977	AAK1	1	3	1429,696595	plate 1 / well B 6	plate 1 well B6 neu (110404)	F036809.dat	correct	61,8		50,3	T4			11,5
AGGKPSQSPSQEAAGEAVLGAK	IPI00216969	ABL1	1	6	2118,994595	plate 1 / well B 7	plate 1 well B7 (Signal Noise 3)	F036810.dat	correct	144,8		117,1	S8	104,9 (S10)		27,7
NIDQSEFEGFSFVNSEFLKPEVK	IPI00219628	PRKCB1	1	11	2769,257415	plate 1 / well B 8			no MS/MS spectrum							
EVGDYGQLHETEVLLK	IPI00031016	JAK2	1	5	1908,886955	plate 1 / well B 9	plate 1 well B9 (SignalNoise3)	F036811.dat	correct	70,1		11,1	T11			59
RSPRPDHPGTPPHK	IPI00025830	WEE1	1	2	1657,783775	plate 1 / well B10	plate 1 well B10 (Signal Noise 3)	F036812.dat	false	25,9	T10	19,8				6,1
DGSLNQSSGYR	IPI00219012	FYN	1	10	1262,492825	plate 1 / well B11	plate 1 well B11 (110408)	F036814.dat	correct	26,6		15,9	S8	7,9 (S7)		10,7
LIEDNEYTAR	IPI00219012	FYN	1	7	1302,549265	plate 1 / well B12	Plate 1 well B12 (110408)	F036815.dat	correct	57,3		41,8	T8			15,5
AVGMPSPVSPK	IPI00004344	AFF4	1	9	1148,530045	plate 1 / well C 1	plate 1 well C1 (Signal Noise 3)	F036816.dat	correct	46,7		34,6	S6			12,1
HSIAGIIRSPK	IPI00029263	FER	1	9	1257,659415	plate 1 / well C 2	plate 1 well C2 (Signal Noise 3)	F036817.dat	correct	58,8		13,3	S2			45,5
LQTVHSIPLTINK	IPI00004497	BCR	1	3	1542,817045	plate 1 / well C 3	plate 1 well C3 neu (110404)	F036818.dat	correct	63,4		42,4	S6	14,7 (T10)		21
SQSTSEQEK	IPI00004497	BCR	1	1	1102,417935	plate 1 / well C 4			no MS/MS spectrum							
STLVLHDLLK	IPI00004497	BCR	1	2	1217,642035	plate 1 / well C 5	plate 1 well C5 (Signal Noise 3)	F036819.dat	correct	15,3		13,6	S1			1,7
WTAPESLAYNK	IPI00216969	ABL1	1	9	1358,590735	plate 1 / well C 6	plate 1 well C6 neu (110404)	F036822.dat	correct	21,1						21,1
AGGKPSQSPSQEAAGEAVLGAK	IPI00216969	ABL1	1	8	2118,994595	plate 1 / well C 7	plate 1 well C7 (Signal Noise 3)	F036823.dat	correct	91,1		87,6	S6	81,7 (S10)		3,5
SEVAVLSPEKAENDDTYKDDVNHNQK	IPI00012318	MAP3K1	1	7	3024,334895	plate 1 / well C 8	plate 1 well C8 (110405)	F037778.dat	correct	125,1		121,6	T17	78,3 (S1)	30,8 (Y18)	3,5
FSDQAGPAIPTSNSYSK	IPI00041176	MARK2	1	15	1848,793075	plate 1 / well C 9	plate 1 well C9 neu (110404)	F036826.dat	correct	58,9		52,9	S14	47,0 (S16)	43,1 (S12)	6
TGMGSGSAGKEGGPFK	IPI00465142	KIAA0528	1	5	1546,648645	plate 1 / well C10	plate 1 well C10 (SignalNoise3)	F0376827.dat	correct	58,5		56,2	T1	35,2 (T7)		2,3
DIYSTDYYR	IPI00025076	NTRK1	1	7	1274,485615	plate 1 / well C11	plate 1 well C11 (SignalNoise3)	F036828.dat	correct	16,4						16,4
LSYYEYDFER	IPI00029132	BTK	1	4	1463,564585	plate 1 / well C12	Plate 1 well C12 (SignalNoise3)	F036829.dat	correct	49,3		44,9	Y3	26,9 (S2)	22,7 (Y6)	4,4

DKSPSSLLEDAK	IPI00329488	ABL2	1	3	1368,617335	plate 1 / well D 1	plate 1 well D1 (Signal Noise 3)	F036830.dat	correct	47,5		32,5	S5	21,9 (S6)		15
IGEGTYGVVYK	IPI00026689	CDC2	2	5&6	1344,540315	plate 1 / well D 2			no MS/MS spectrum							
LQTVHSIPLTINK	IPI00004497	BCR	1	6	1542,817045	plate 1 / well D 3	plate 1 well D3 (Signal Noise 3)	F036831.dat	correct	57,5		37,1	T3	25,9 (T10)		20,4
SSSFREMENQPHK	IPI00329488	ABL2	1	3	1655,676285	plate 1 / well D 4	plate 1 well D4 neu (110404)	F036837.dat	false	48	S1	47,9	S3	46,2 (S2)		0,1
STLVLHDLLK	IPI00004497	BCR	1	1	1217,642035	plate 1 / well D 5	plate 1 well D5 (Signal Noise 3)	F036842.dat	unassigned	21,6	S2	21,6	S1			0
YIEDEDYYK	IPI00029702	PTK2B	1	7	1316,484935	plate 1 / well D 6	plate 1 well D6 neu (110404)	F036844.dat	correct	8,3		2,1	Y8			6,2
AGGKPSQSPSQEAAGEAVLGAK	IPI00216969	ABL1	1	10	2118,994595	plate 1 / well D 7	plate 1 well D7(110405)	F036845.dat	correct	147,5		129,2	S8	106,5 (S6)		18,3
TSSFAEPGGGGGGGGGPGGSASGPG	IPI00292228	GSK3A	2	2&3	2591,991385	plate 1 / well D 8			no MS/MS spectrum							
FSDQAGPAIPTSNSYSK	IPI00041176	MARK2	1	16	1848,793075	plate 1 / well D 9	plate 1 well D9 neu (110404)	F036846.dat	false	43,3	S14	40,7		39,0 (S12)	29,9 (T11)	2,6
TGMGSGSAGKEGGPFK	IPI00465142	KIAA0528	1	7	1546,648645	plate 1 / well D10	plate 1 well D10 (SignalNoise3)	F036848.dat	correct	82,7		60,1	S5	55,5 (T1)		22,6
EDAANNYAR	IPI00387144	TUBA6	1	7	1102,408025	plate 1 / well D11	plate 1 well D11 (110408)	F036850.dat	not identified							
MMSLSQSR	IPI00021917	RIPK2	1	5	1018,397685	plate 1 / well D12	plate 1 well D12 (SignalNoise3)	F036851.dat	false	2,1	S3					2,1
ESKSSPRPTAEK	IPI00004344	AFF4	1	4	1395,639475	plate 1 / well E 1	plate 1 well E1 (Signal noise 3)	F036853.dat	correct	40,2		40,1	S2	38,1 (5)	25,9 (T9)	0,1
IKSYSFPK	IPI00018597	SYK	1	4	1048,499405	plate 1 / well E 2	plate 1 well E2 (110408)	F036854.dat	not identified							
NFSAAKSLLNK	IPI00216378	CAMK2G	1	7	1271,627455	plate 1 / well E 3	plate 1 well E3 (110408)	F036855.dat	correct	40		24,4	S3			15,6
SSSFREMENQPHK	IPI00329488	ABL2	1	2	1655,676285	plate 1 / well E 4	plate 1 well E4 neu (110401)	F036856.dat	unassigned	28,9		28,9	S1	22,0 (3)		0
SVTSMERK	IPI00029263	FER	1	4	1016,436165	plate 1 / well E 5	plate 1 well E5 (110408)	F036857.dat	not identified							
YIEDEDYYK	IPI00029702	PTK2B	1	8	1316,484935	plate 1 / well E 6	plate 1 well E6 neu (110401)	F036858.dat	correct	16,1		8,8	Y7			7,3
EALPMDTEVYESPYADPEEIRPK	IPI00018597	SYK	1	10	2758,208415	plate 1 / well E 7	plate 1 well E7 (110406)	F036859.dat	correct	119,5		91,5	T7	88,9 (S12)	74,0 (Y14)	28
ATSPEAGGGGGALK	IPI00012318	MAP3K1	1	3	1251,549575	plate 1 / well E 8			no MS/MS spectrum							
GRGSRDALVSGALESTK	IPI00004497	BCR	1	4	1782,862475	plate 1 / well E 9	plate 1 well E9 (SignalNoise3)	F036861.dat	correct	33,4		12,9	S10			20,5
YVLDDEYTSSVGSK	IPI00029132	BTK	1	7	1641,681065	plate 1 / well E10	plate 1 well E10 (SignalNoise3)	F036862.dat	correct	58,5		43,4	T8	38,0 (S10)	36,2 (S11)	15,1
FGSLTMDGGLR	IPI00293613	TBK1	1	3	1232,526025	plate 1 / well E11	plate 1 well E11 (110408)	F036863.dat	correct	44,9		23,3	T5			21,6
MMSLSQSR	IPI00021917	RIPK2	1	3	1018,397685	plate 1 / well E12	plate 1 well E12 (SignalNoise3)	F036864.dat	correct	13						13
FGESDTENQNNK	IPI00328149	EIF2AK1	1	4	1461,540895	plate 1 / well F 1	plate 1 well F1 (110405)	F036865.dat	correct	32,9		23,6	T6			9,3
KTSPLNFK	IPI00029132	BTK	1	3	1013,494655	plate 1 / well F 2	plate 1 well F2 (Signal Noise 3)	F036866.dat	correct	15,5		7,6	T2			7,9
RLSSFVTK	IPI00301263	CAD	1	3	1016,505555	plate 1 / well F 3	plate 1 well F3 (Signal Noise 3)	F036867.dat	correct	14,8		12,5	S4			2,3
SSSFREMENQPHK	IPI00329488	ABL2	1	1	1655,676285	plate 1 / well F 4	plate 1 well F4 (Signal Noise 3)	F036868.dat	correct	19,2		12,8	S3	12,8 (S2)		6,4
TIYVRDPTSNK	IPI00298625	LYN	1	3	1372,638755	plate 1 / well F 5	plate 1 well F5 (110405)	F036869.dat	correct	20,2		15,3	T1			4,9
YMEDSTYYK	IPI00413961	PTK2	1	7	1278,451545	plate 1 / well F 6	plate 1 wellF6 ox (110405)	F036870.dat	correct	7						7
EALPMDTEVYESPYADPEEIRPK	IPI00018597	SYK	1	14	2758,208415	plate 1 / well F 7	plate 1 well F7 (110405)	F036871.dat	false	28,7	S12	28	T7	27,5	26,3 (Y10)	1,2
ETTTSPKKYYLAEK	IPI00000878	TEC	1	2	1737,822585	plate 1 / well F 8	plate1wellF8(SignalNoise3)	F036872.dat	correct	53,8		52,4	T4	52,4 (T3)	36,2 (S5)	1,4
ILSDVTHSAVFGVPASK	IPI00298977	AAK1	1	3	1806,891645	plate 1 / well F 9	plate 1 well F9 (110405)	F036786.dat	correct	100,5		59,5	T6	40,6 (S8)	16,8 (S15)	41
YVLDDQYTSSSGAK	IPI00000878	TEC	1	7	1612,665755	plate 1 / well F10	plate 1 well F10 (SignalNoise3)	F036873.dat	correct	49,6		36,8	T8	24,2 (S9)	16,4 (S10)	12,8
GLPSDYGR	IPI00016932	SHIP2	1	6	943,380015	plate 1 / well F11	plate 1 well F11 (110408)	F036874.dat	not identified							
MPSHEAR	IPI00221141	MAPK14	1	3	906,341865	plate 1 / well F12	plate 1 well F12 (signal noise 3)	F036875.dat	correct	11,7						11,7
FGESDTENQNNK	IPI00328149	EIF2AK1	1	6	1461,540895	plate 1 / well G 1	plate 1 well G1 (Signal Noise 3)	F036876.dat	correct	32,7		26,7	S4			6
KYSLTVAVK	IPI00329488	ABL2	1	2	1087,567815	plate 1 / well G 2	plate 1 well G2 (110408)	F036878.dat	correct	16,3		8	S3			8,3
RSMSPFRGPK	IPI00384765	PKMYT1	1	4	1241,573985	plate 1 / well G 3	plate 1 well G3 (Signal Noise 3)	F036879.dat	correct	14,1		7,8	S2			6,3

SSSPTQYGLTK	IPI00329638	ZAK	1	3	1247,543465	plate 1 / well G 4	plate 1 well G4 (Signal Noise 3)	F036880.dat	unassigned	36,3	S2	36,3		34,6 (S1)	28.8 (T5)	0
TSPLNFK	IPI00029132	BTK	1	1	885,399695	plate 1 / well G 5	plate 1 well G5 (110406)	F036881.dat	not identified							
YMEDSTYYK	IPI00413961	PTK2	1	8	1278,451545	plate 1 / well G 6	plate 1 well G6 Mox (110408)	F036882.dat	not identified							
EALPMDTEVYESPYADPEEIRPK	IPI00018597	SYK	2	10&14	2838,174715	plate 1 / well G 7			no MS/MS spectrum							
ETTTSPKKYYLAEK	IPI00000878	TEC	1	3	1737,822585	plate 1 / well G 8	plate 1 well G8 (Signal Noise3)	F036883.dat	unassigned	47,9		47,9	T2	36,3 (T4)	22,1 (S5)	0
ILSDVTHSAVFGVPASK	IPI00298977	AAK1	1	6	1806,891645	plate 1 / well G 9	plate1well G9 (SignalNoise3)	F036884.dat	correct	7,8		1,6	S3			6,2
ALQKSPGPQR	IPI00303797	BRAF	1	5	1160,570275	plate 1 / well G10	plate 1 well G10 (Signal Noise3)	F036885.dat	correct	34,5						34,5
GTVTPPPR	IPI00216969	ABL1	1	4	903,421485	plate 1 / well G11	plate 1 well G11 (110406)	F036886.dat	correct	19,7		12,4	T2			7,3
NGSLKPGSSHR	IPI00029132	BTK	1	8	1218,550605	plate 1 / well G12	plate 1 well G12 (Signal Noise3)	F036888.dat	correct	12,7		10,1	S9			2,6
GGFFSSFMK	IPI00329488	ABL2	1	6	1086,424525	plate 1 / well H 1	plate 1 well H1 (signal noise 3)	F036889.dat	not identified							
LMTGDTYTAHAGAK	IPI00329488	ABL2	1	6	1515,642845	plate 1 / well H 2	plate 1 well H2 (signal noise 3)	F036890.dat	unassigned	40,1		40,1	T3	23,4 (Y7)	18,5 (T8)	0
SDGGVKPQSNNK	IPI00216378	CAMK2G	1	9	1309,566315	plate 1 / well H 3	plate 1 well H3 (Signal Noise 3)	F036891.dat	correct	30,6						30,6
SSSPTQYGLTK	IPI00329638	ZAK	1	5	1247,543465	plate 1 / well H 4	plate 1 well H4 (Signal Noise 3)	F036892dat	correct	27,9		16	S3	16,0 (S2)	16,0 (S1)	11,9
VGSLTPPSSPK	IPI00298977	AAK1	1	5	1148,547805	plate 1 / well H 5	plate 1 well H5 (110406)	F036893.dat	correct	46,2		32,9	S3	27,6 (S9)	26,6 (S8)	13,3
YMEDSTYYKASK	IPI00413961	PTK2	2	7&8	1644,581945	plate 1 / well H 6	plate 1 well H6 (110406)	F036894.dat	correct	42,6		38,9	T6Y8	24,1 (S5Y8)	20,2 (T6Y7)	3,7
IPLIKSHNDFVAILDLPEGEHQYK	IPI00013905	PRKAB2	1	6	2855,425805	plate 1 / well H 7	plate 1 well H7 (110406)	F036895.dat	correct	153,5		37,1	Y23			116,4
ETTTSPKKYYLAEK	IPI00000878	TEC	1	4	1737,822585	plate 1 / well H 8	plate1 well H8(SignalNoise3)	F036896.dat	correct	56,6		45	T3	45,0 (T2)	44,8 (S5)	11,6
ILSDVTHSAVFGVPASK	IPI00298977	AAK1	1	8	1806,891645	plate 1 / well H 9	plate 1 well H9 (SignalNoise3)	F036897.dat	correct	8,9		5,5	T6			3,4
AQSFPDNR	IPI00181703	MAP3K3	1	3	1013,396735	plate 1 / well H10	plate 1 well H10 (110408)	F036898.dat	correct	29,2						29,2
HSWYHGPVSR	IPI00216969	ABL1	1	4	1304,545125	plate 1 / well H11	plate 1 well H11 (SignalNoise 3)	F036899.dat	correct	36,9		19,2	S2			17,7
NSQPNRYTNR	IPI00552413	CDK9	1	8	1328,562255	plate 1 / well H12	plate 1 well H12 (SignalNoise 3)	F033371.dat	correct	18,8						18,8
RDSPPPPAR	IPI00014068	PAK4	1	3	1071,486205	plate 2 / well A 1	plate 2 well A1 neu (110331)	F036901.dat	correct	12,4						12,4
SRNSPLLER	IPI00555838	MARK2	1	4	1150,549545	plate 2 / well A 2	plate 2 well A2 neu (110331)	F036902.dat	correct	6						6
TYTHEVVTLWYR	IPI00031681	CDK2	1	3	1646,749365	plate 2 / well A 3	plate 2 well A3 (110407)	F036903.dat	not identified							
DSPGIPPSAGAHQLFR	IPI00477982	RPS6KA1	1	8	1728,798415	plate 2 / well A 4	plate 2 well A4	F036904.dat	correct	92,7		62,2	S2			30,5
SFNGSLKNVAVDELSR	IPI00219129	NQO2	1	5	1814,856335	plate 2 / well A 5	plate 2 well A5 (110406)	F036905.dat	unassigned	94		94	S1			0
GHGQPGADAEKPFYVNVEFHHER	IPI00004497	BCR	1	14	2700,186975	plate 2 / well A 6			no MS/MS spectrum							
SQSNPILGSPFFSHFDGQDSYAAAVR	IPI00329638	ZAK	1	3	2877,275865	plate 2 / well A 7	plate 2 well A7 (110407)	F036906.dat	false	19,9	S21	18,6		13,4 (S1)	11,2 (S13)	1,3
FTNSETAEHIAQGLR	IPI00029132	BTK	1	4	1752,783175	plate 2 / well A 8	plate 2 well A8	F036908.dat	false	90,8	T2	82,4		68,0 (T6)		8,4
RLSSTSLASGHSVR	IPI00009334	PRKD2	1	4	1536,740925	plate 2 / well A 9	plate 2 well A9	F036909.dat	correct	81,9		79,9	S3	79,9 (T5)	77,9 (S6)	2
SRTPPSAPSQSR	IPI00039689	SRRM2	1	6	1349,608855	plate 2 / well A10	Plate 2 well A10	F036911.dat	correct	34,2		30,6	S9	20,4 (T3)	20,2 (S11)	3,6
VSGRTSPPLLDR	IPI00039689	SRRM2	1	2	1376,681275	plate 2 / well A11	plate 2 well A11	F036912.dat	correct	36,5		30,4	T5	26,8 (S6)		6,1
RLSIIGPTSR	IPI00513803	MAP3K2	1	3	1178,617225	plate 2 / well B 1	Plate 2 well B1	F036913.dat	correct	31,2		15	T8	9,0 (S9)		16,2
SRNSPLLER	IPI00555838	MARK2	1	1	1150,549545	plate 2 / well B 2	Plate 2 well B2 (110407)	F036914.dat	correct	44,1		33,4	S4			10,7
VIEDNEYTAR	IPI00298625	LYN	1	7	1288,533615	plate 2 / well B 3	Plate 2 well B3 (110407)	F036915.dat	correct	35,8		22,6	T8			13,2
DSPGIPPSANAHQLFR	IPI00020898	RPS6KA3	1	2	1785,819885	plate 2 / well B 4	plate 2 well B4	F036916.dat	correct	105,9		39,3	S8			66,6
SNSTSSMSSGLPEQDR	IPI00329488	ABL2	1	3	1761,687645	plate 2 / well B 5	plate 2 well B5 (110407)	F036917.dat	not identified							
GISRSLESVLSLGPRPTGGGSSPPEIR	IPI00022633	TNK1	2	3&5	2865,378585	plate 2 / well B 6			no MS/MS spectrum							
VKEEGYELPYNPATDDYAVPPPR	IPI00015287	DOK1	1	17	2699,215545	plate 2 / well B 7	plate 2 well B7 (110407)	F036918.dat	not identified							

GRRSPSPGNSPSGR	IPI00012318	MAP3K1	1	4	1490,673905	plate 2 / well B 8	plate 2 well B8	F036919.dat	correct	22,5		19,8	S10	18,0 (S6)	12,9 (S12)	2,7
RLSSTSLASGHSVR	IPI00009334	PRKD2	2	3&4	1616,707225	plate 2 / well B 9	plate 2 well B9 (110406)	F036920.dat	correct	64,8		62,5	S3T5	60,1 (S3S6)	48,0 (S4T5)	2,3
SSSFREMDGQPER	IPI00216969	ABL1	1	1	1604,628995	plate 2 / well B10	plate 2 well B10	F036921.dat	correct	53,5		47,7	S2	46,1 (S3)		5,8
VSGRTSPPLLDR	IPI00039689	SRRM2	1	6	1376,681275	plate 2 / well B11	plate 2 well B11	F036922.dat	correct	20,7		16,6	T5	13,1 (S2)		4,1
SINEKDYHSR	IPI00028061	CLK1	1	1	1327,555755	plate 2 / well C 1	Plate 2 well C1	F036923.dat	correct	48,7						48,7
STFHAGQLR	IPI00555838	MARK2	1	2	1095,486215	plate 2 / well C 2	plate 2 well C2	F036924.dat	unassigned	28,4		28,4	S1			0
VPASPLPGLER	IPI00555838	MARK2	1	4	1214,605975	plate 2 / well C 3	plate 2 well C3 neu (110401)	F036925.dat	correct	23,8						23,8
IQPSSPPPNHPNNHLFR	IPI00657720	KIAA0999	1	4	2030,947555	plate 2 / well C 4	plate 2 well C4	F036926.dat	correct	92,4		87,4	S4			5
SNSTSSMSSGLPEQDR	IPI00329488	ABL2	1	4	1761,687645	plate 2 / well C 5	plate 2 well C5 (110407)	F036934.dat	not identified							
NSFNNPAYYVLEGVPHQLLPPEPPSPAR	IPI00016932	SHIP2	1	8	3182,522565	plate 2 / well C 6	plate 2 well C6 (110406)	F036935.dat	unassigned	4,9	Y9	4,9		4,9 (S2)		0
VKEEGYELPYNPATDDYAVPPPR	IPI00015287	DOK1	2	6&17	2779,181845	plate 2 / well C 7	plate 2 well C7 (110406)	F036936.dat	correct	76,2		63,1	Y6 T14	60,7 (Y10Y17)	2,2 (T14Y17)	13,1
GRRSPSPGNSPSGR	IPI00012318	MAP3K1	1	6	1490,673905	plate 2 / well C 8	plate 2 well C8 (110407)	F036937.dat	correct	50,3		49,1	S4	37,5 (S10)	28,4 (S12)	1,2
SGGQRHSPLSQR	IPI00006064	TBKBP1	1	1	1388,630985	plate 2 / well C 9	plate 2 well C9	F036938.dat	correct	51		23,1	S7	18,0 (S10)		27,9
SSSFREMDGQPER	IPI00216969	ABL1	1	2	1604,628995	plate 2 / well C10	plate 2 well C10	F036939.dat	unassigned	56,1		56,1	S1	53,9 (S3)		0
YATPQVIQAPGPR	IPI00442025	TNK2	1	1	1476,712575	plate 2 / well C11	plate 2 well C11	F036940.dat	false	67,3	T3	57,8				9,5
SISLRYEGR	IPI00216969	ABL1	1	6	1159,538645	plate 2 / well D 1	Plate 2 well D1 neu (110331)	F036942.dat	correct	7,7						7,7
STFHAGQLR	IPI00555838	MARK2	1	1	1095,486215	plate 2 / well D 2	plate 2 well D2	F036943.dat	correct	47,2		34,3	T2			12,9
VSPSPTTYR	IPI00004497	BCR	1	8	1086,474655	plate 2 / well D 3	plate 2 well D3(110407)	F036944.dat	not identified							
IQPSSPPPNHPNNHLFR	IPI00657720	KIAA0999	1	5	2030,947555	plate 2 / well D 4	plate 2 well D4	F036945.dat	unassigned	79		79	S4			0
SNSTSSMSSGLPEQDR	IPI00329488	ABL2	1	5	1761,687645	plate 2 / well D 5	plate 2 well D5 (110407)	F036946.dat	correct	109,9		96,4	T4	96,4 (S3)	96,4 (S1)	13,5
NSFNNPAYYVLEGVPHQLLPPEPPSPAR	IPI00016932	SHIP2	1	9	3182,522565	plate 2 / well D 6	plate 2 well D6 (110406)	F036947.dat	unassigned	40,3		40,3	Y8	40,3 (S2)		0
VKEEGYELPYNPATDDYAVPPPR	IPI00015287	DOK1	2	10&17	2779,181845	plate 2 / well D 7	plate 2 well D7 (110407)	F037780.dat	correct	91,6		89,3	Y10T14	84,8 (T14Y17)	83 (Y6Y17)	2,3
HTDDEMTGYVATR	IPI00002857	MAPK14	1	9	1574,607195	plate 2 / well D 8	plate 2 well D8 (110406)	F036950.dat	correct	50,8		48,9	T7	23,9 (T12)	10,3 (T2)	1,9
SGGQRHSPLSQR	IPI00006064	TBKBP1	1	7	1388,630985	plate 2 / well D 9	plate 2 well D9	F036951.dat	correct	37,5		28,2	S1	25,6 (S10)		9,3
SSSFREMDGQPER	IPI00216969	ABL1	1	3	1604,628995	plate 2 / well D10	plate 2 well D10	F036952.dat	false	49	S21	49	S1	47,3 (S3)		1,7
YIEDEDYYKASVTR	IPI00029702	PTK2B	2	7&8	1910,737575	plate 2 / well D11	plate 2 well D11	F036954.dat	correct	52,8		52,4	Y1Y8	39,1 (Y1Y7)	16,1 (Y7S11)	0,4
SLESVLSLGPR	IPI00022633	TNK1	1	1	1236,611465	plate 2 / well E 1	plate 2 well E1 (110407)	F036955.dat	not identified							
STGDPQGVIR	IPI00029132	BTK	1	2	1108,491355	plate 2 / well E 2	plate 2 well E2 (110407)	F036957.dat	false	19,9	S1	18,3				1,6
VYELMR	IPI00329488	ABL2	1	2	889,376855	plate 2 / well E 3	plate 2 well E3 (110407)	F036958.dat	correct	9,6						9,6
LQPQEISPPPTANLDR	IPI00413961	PTK2	1	7	1854,887635	plate 2 / well E 4	plate 2 well E4	F036959.dat	correct	72,8		54,6	T11			18,2
SNSTSSMSSGLPEQDR	IPI00329488	ABL2	1	6	1761,687645	plate 2 / well E 5	plate 2 well E5	F036960.dat	unassigned	77,6		77,6	S5	77,6 (T4)	77,6 (S3)	0
NSFNNPAYYVLEGVPHQLLPPEPPSPAR	IPI00016932	SHIP2	2	8&9	3262,488865	plate 2 / well E 6	plate 2 well E6 (110407)	F036962.dat	unassigned	60		60	S2Y9	60 (S2Y8)		0
ARSRTPPSAPSQSR	IPI00099730	SRRM2	2	3&8	1656,713375	plate 2 / well E 7	plate 2 well E7 (110406)	F036963.dat	correct	34		26,9	T5S8	24,1(S3T5)	22,8 (S3S13)	7,1
ISSLGSQAMQMER	IPI00004497	BCR	1	3	1516,641485	plate 2 / well E 8	plate 2 well E8 MoxMox (110407)	F036964.dat	false	48,6	S21	48,1	S3	27,8 (S6)		0,5
SLPAPQDNDFLSR	IPI00021917	RIPK2	1	1	1538,676585	plate 2 / well E 9	plate 2 well E9	F036965.dat	correct	53,6						53,6
SVTLPRDLQSTGR	IPI00216969	ABL1	1	1	1508,734775	plate 2 / well E10	plate 2 well E10	F036966.dat	unassigned	24,5	T3	24,5	S1	9,2 (T11)	9,2 (S10)	0
SQERPTFYR	IPI00002857	MAPK14	1	1	1262,544465	plate 2 / well F 1	Plate 2 well F1	F036967.dat	correct	9,7						9,7
STVASMMHR	IPI00169392	CAMK2G	1	1	1098,435125	plate 2 / well F 2	Plate 2 well F2 (110407)	F036968.dat	not identified							
VYHYR	IPI00216969	ABL1	1	2	816,331955	plate 2 / well F 3	plate 2 well F3 (110407)	F036970.dat	correct	6,1						6,1

LTEERDGSLNQSSGYR	IPI00219012	FYN	1	8	1890,810855	plate 2 / well F 4	plate 2 well F4	F036972.dat	correct	75,1		52	S12	51,6(T2)	50,4 (S13)	23,1
SNSTSSMSSGLPEQDR	IPI00329488	ABL2	1	8	1761,687645	plate 2 / well F 5	plate 2 well F5	F036973.dat	correct	64,1		61,8	S9	49,7 (S6)	49,7 (S5)	2,3
PKPSNPIYNEPDEPIAFYAMGR	IPI00220388	SH2D2A	2	8&18	2665,132405	plate 2 / well F 6	plate 2 well F6 (110407)	F036975.dat	not identified							
ATSLPSLDTPGELR	IPI00156649	DOK3	1	3	1535,723195	plate 2 / well F 7	plate 2 well F7	F036977.dat	correct	64,2		62,1	T2	49,0 (S6)	36,9 (T9)	2,1
LRSADSENALSVQER	IPI00181703	MAP3K3	1	3	1753,799555	plate 2 / well F 8	plate 2 well F8 (110406)	F036978.dat	correct	109,9		90,7	S6	70,3 (S11)		19,2
SPGPSSPKEPLLFSR	IPI00022872	LIMK2	1	1	1677,812675	plate 2 / well F 9	plate 2 well F9	F036979.dat	correct	84,3		60,6	S5	55,9 (S6)	19,3 (S14)	23,7
TAGTSFMMTPYVVTR	IPI00024672	MAPK8	1	11	1740,761595	plate 2 / well F10	plate 2 well F10 (110406)	F036980dat	correct	40,5		21,9	T9	20,6 (S5)	19,9 (T4)	18,6
SQSDIFSR	IPI00102677	TESK2	1	1	1018,412055	plate 2 / well G 1	plate 2 well G1 (110406)	F036981.dat	correct	48,4		29,4	S3			19
STVASMMHR	IPI00169392	CAMK2G	1	5	1098,435125	plate 2 / well G 2	plate 2 well G2 (110407)	F036987.dat	false	1,3	T2	1,3	S1			1,3
VYTHEVVTLWYR	IPI00026689	CDC2	1	3	1644,770095	plate 2 / well G 3	plate 2 well G3 (110407)	F036988.dat	correct	77,5		46,3	Y2	30,1 (T8)		31,2
SFGSPNRAYTHQVVTR	IPI00000685	CDK7	2	4&10	1978,845115	plate 2 / well G 4	plate 2 well G4	F036989.dat	unassigned	31,7		31,7	S1T10	18,4 (S4Y9)	18,4 (S1Y9)	0
SNSTSSMSSGLPEQDR	IPI00329488	ABL2	1	9	1761,687645	plate 2 / well G 5	plate 2 well G5	F036990.dat	unassigned	46,8		46,8	S8	46,8 (S6)	46,8 (S5)	0
RLEEPEEPKVLTPEEQLADKLR	IPI00290461	EIF3S1	1	12	2698,357785	plate 2 / well G 6	plate 2 well G6 (110407)	F036991.dat	not identified	identified						
ATSLPSLDTPGELR	IPI00156649	DOK3	1	6	1535,723195	plate 2 / well G 7	plate 2 well G7	F036992.dat	correct	39,8		28,7	S3	25,8 (T2)	13,1 (T9)	11,1
LRSADSENALSVQER	IPI00181703	MAP3K3	1	6	1753,799555	plate 2 / well G 8	plate 2 well G8	F036993.dat	correct	27,1		14,3	S3	13,9 (S11)		12,8
SPGPSSPKEPLLFSR	IPI00022872	LIMK2	1	5	1677,812675	plate 2 / well G 9	plate 2 well G9	F036994.dat	correct	82,2		77,9	S6	72,7 (S1)	24,0 (S14)	4,3
TVSTSSQPEENVDR	IPI00329488	ABL2	1	3	1627,672635	plate 2 / well G10	plate 2 well G10	F036995.dat	false	42,5	S6	42,5	S5	39,7 (T4)	39,7 (S3)	2,8
SQSDIFSR	IPI00102677	TESK2	1	3	1018,412055	plate 2 / well H 1	plate 2 well H1 neu (110331)	F0369973.dat	correct	7,8		6,5	S1			1,3
TAPTPPKR	IPI00216969	ABL1	1	4	946,463685	plate 2 / well H 2	plate 2 well H2 (110408)	F036998.dat	correct	19,9		10,7	T1			9,2
YELTGLPEQDR	IPI00375648	ABL2	1	1	1399,602025	plate 2 / well H 3	plate 2 well H3	F037000.dat	correct	31,2		31	T4			0,2
SFNGSLKNVAVDELSR	IPI00219129	NQO2	1	1	1814,856335	plate 2 / well H 4	plate 2 well H4 (110406)	F037002.dat	correct	89,4		73,1	S5			16,3
THLGTGMERSPGAMER	IPI00413961	PTK2	1	1	1808,769855	plate 2 / well H 5	plate 2 well H5	F037003.dat	correct	15,1		13,9	S10	12,9 (T5)		1,2
RPGAAASGERDDRGPPASVAALR	IPI00004497	BCR	1	7	2356,139625	plate 2 / well H 6	plate 2 well H6 (110406)	F037005.dat	correct	65,3		41,8	S18			23,5
EPPPVVNYEEDAR	IPI00029263	FER	1	8	1593,671155	plate 2 / well H 7	plate 2 well H7	F037006.dat	correct	19,2						19,2
RLSSTSLASGHSVR	IPI00009334	PRKD2	1	3	1536,740925	plate 2 / well H 8	Plate 2 well H8 (110407)	F037007.dat	not identified							
SRTPPSAPSQSR	IPI00039689	SRRM2	1	1	1349,608855	plate 2 / well H 9	plate 2 well H9	F037008.dat	false	24,9	T3	23,1	S1	18,6 (S6)		1,8
TVSTSSQPEENVDR	IPI00329491	ABL5	2	3&5	1707,638935	plate 2 / well H10	plate 2 well H10 (110406)	F037009.dat	unassigned	86,8		86,8	T1S5	74,9 (S3T4)	74,9 (T1T4)	0

Table S2: Applied Biosystems 4800 TOF/TOF

phospopeptide sequence	IPI acc. No.	protein	# of sites in peptide	modified position in peptide	neutral mass	position in 96-well-plate	search file	Mascot Search log	P-site localization	1st score	assigned amino acid	2nd score	assigned amino acid	3rd score	4th score	Mascot delta score
ADENYYK	IPI00018597	SYK	1	5	981,348055	plate 1 / well A 1	Gö plate 1 well A1 (IA1).txt	F037018.dat	correct	34,8	Y5	16	Y6			18,8
GHLSEGLVTK	IPI00003431	MAPK6	1	4	1119,532485	plate 1 / well A 2	Gö plate 1 well A2 (IA3).txt	F037018.dat	correct	55,2	S4					55,2
LMTGDTYTAHAGAK	IPI00329488	ABL2	1	7	1515,642845	plate 1 / well A 3	Gö plate 1 well A3 (IA5).txt	F037018.dat	correct	84,2	Y7	71,4	T6	69,5 (T8)	43,1(T3)	12,8
SEGSPVLPHEPAK	IPI00145805	TNIK	1	4	1426,649295	plate 1 / well A 4	Gö plate 1 well A4 (IA7).txt	F037018.dat	correct	86,6	S4	64,2	S1			22,4
SSSPTQYGLTK	IPI00329638	ZAK	1	1	1247,543465	plate 1 / well A 5	Gö plate 1 well A5 (IA9).txt	F037018.dat	correct	90,9	S1	75,4	S2	61,4 (S3)	43,8 (T5)	15,5
VQTTPPPAVQGQK	IPI00298978	AAK1	1	4	1429,696595	plate 1 / well A 6	Gö plate 1 well A6 (IA11).txt	F037018.dat	correct	66,4	T4	51,4	T3			15
YSLTVAVK	IPI00216969	ABL1	1	1	959,472855	plate 1 / well A 7	Gö plate 1 well A7 (IA13).txt	F037018.dat	nein	46,9	S2	40	Y1	31,2 (T4)		6,9
LPLTRSHNNFVAILD	IPI00220409	PRKAB1	1	6	2870,411565	plate 1 / well A 8			no MS/MS spectrum							
ETTTSPKKYYLAEK	IPI00000878	TEC	1	5	1737,822585	plate 1 / well A 9	Gö plate 1 well A9 (IA17).txt	F037018.dat	false	67,2	T3	58	T4	55,8 (S5)	54,3 (T2)	11,4
PTTGVILPSGNTLRV	IPI00465017	DKFZP781A0295	2	2&3	1811,894675	plate 1 / well A10	Gö plate 1 well A10 (IA19).txt	F037018.dat	not identified							
AYTHQVVTR	IPI00000685	CDK7	1	3	1153,528085	plate 1 / well A11	Gö plate 1 well A11 (IA21).txt	F037018.dat	correct	77,2	T3	42,8	Y2			34,4
IQPAGNTSPR	IPI00027729	CSNK1E	1	8	1119,507345	plate 1 / well A12	Gö plate 1 well A12 (IA23).txt	F037018.dat	false	58,9	T7	56,1	S8			2,8
ADENYYK	IPI00018597	SYK	1	6	981,348055	plate 1 / well B 1	Gö plate 1 well B1 (IB2).txt	F037018.dat	correct	39,5	Y6	22,8	Y5			16,7
GQEYLILEK	IPI00000878	TEC	1	4	1171,552555	plate 1 / well B 2	Gö plate 1 well B2 (IB4).txt	F037018.dat	correct	65	Y6					65
LMTGDTYTAHAGAK	IPI00329488	ABL2	2	6&7	1595,609145	plate 1 / well B 3	Gö plate 1 well B3 (IB6).txt	F037018.dat	correct	59,8	T6&Y7	49,5	T6&T8	48,8 (T3&Y7)	40 (Y7&T8)	10,3
SESPPPLSDPK	IPI00014266	BRD3	1	3	1232,532545	plate 1 / well B 4	Gö plate 1 well B4 (IB8).txt	F037018.dat	false	62,6	S1	61,5	S3			1,1
SSSPTQYGLTK	IPI00329638	ZAK	1	2	1247,543465	plate 1 / well B 5	Gö plate 1 well B5 (IB10).txt	F037018.dat	correct	52	S2	50,6	S1	32,7 (S3)	23,4 (T5)	1,4
VQTTPPPAVQGQK	IPI00298977	AAK1	1	3	1429,696595	plate 1 / well B 6	Gö plate 1 well B6 (IB12).txt	F037018.dat	correct	99,8	T3	82,8	T4			17
AGGKPSQSPSQEAA	IPI00216969	ABL1	1	6	2118,994595	plate 1 / well B 7	Gö plate 1 well B7 (IB14).txt	F037018.dat	correct	119,5	S6	106,9	S10	103 (S8)		12,6
NIDQSEFEGFSFVNS	IPI00219628	PRKCB1	1	11	2769,257415	plate 1 / well B 8			no MS/MS spectrum							
EVGDYGQLHETEVL	IPI00031016	JAK2	1	5	1908,886955	plate 1 / well B 9	Gö plate 1 well B9 (IB18).txt	F037018.dat	correct	74,5	Y5					74,5
RSPRPDHPGTPPHK	IPI00025830	WEE1	1	2	1657,783775	plate 1 / well B10	Gö plate 1 well B10 (IB20).txt	F037018.dat	correct	33,8	S2	20,1	T10			13,7
DGSLNQSSGYR	IPI00219012	FYN	1	10	1262,492825	plate 1 / well B11	Gö plate 1 well B11 (IB22).txt	F037018.dat	correct	70,8	Y10	54	S8	37,6 (S7)		16,8
LIEDNEYTAR	IPI00219012	FYN	1	7	1302,549265	plate 1 / well B12	Gö plate 1 well B12 (IB24).txt	F037018.dat	correct	66,6	Y7	50,2	T8			16,4
AVGMPSPVSPK	IPI00004344	AFF4	1	9	1148,530045	plate 1 / well C 1	Gö plate 1 well C1 (IC1).txt	F037018.dat	correct	41,2	S9	11,9	S6			29,3
HSIAGIIRSPK	IPI00029263	FER	1	9	1257,659415	plate 1 / well C 2	Gö plate 1 well C2 (IC3).txt	F037018.dat	correct	45,2	S9					45,2
LQTVHSIPLTINK	IPI00004497	BCR	1	3	1542,817045	plate 1 / well C 3	Gö plate 1 well C3 (IC5).txt	F037018.dat	correct	77,5	T3	46,4	S6			31,1
SQSTSEQEK	IPI00004497	BCR	1	1	1102,417935	plate 1 / well C 4	Gö plate 1 well C4 (III5).txt	F037018.dat	not identified							
STLVLHDLLK	IPI00004497	BCR	1	2	1217,642035	plate 1 / well C 5	Gö plate 1 well C5 (IC9).txt	F037018.dat	unassigned	20,3	T2	20,3	S1			0
WTAPESLAYNK	IPI00216969	ABL1	1	9	1358,590735	plate 1 / well C 6	Gö plate 1 well C6 (IC11).txt	F037018.dat	correct	87		33	S6			54
AGGKPSQSPSQEAA	IPI00216969	ABL1	1	8	2118,994595	plate 1 / well C 7	Gö plate 1 well C7 (IC13).txt	F037018.dat	correct	134	S8	118,5	S6	117,8 (S10)		15,5
SEVAVLSPEKAENDL	IPI00012318	MAP3K1	1	7	3024,334895	plate 1 / well C 8	Gö plate 1 well C8 (II17).txt	F037018.dat	correct	112,6	S7	76,4	S1	57,2 (T16)	9,8 (Y17)	36,2
FSDQAGPAIPTSNSY	IPI00041176	MARK2	1	15	1848,793075	plate 1 / well C 9	Gö plate 1 well C9 (IC17).txt	F037018.dat	correct	122,3	Y15	120,3	S16	106,2 (S14)	78,8 (S12)	2
TGMGSGSAGKEGG	IPI00465142	KIAA0528	1	5	1546,648645	plate 1 / well C10	Gö plate 1 well C10 (IC19).txt	F037018.dat	correct	117,8	S5	89,2	T1	82,5 (S7)		28,6
DIYSTDYYR	IPI00025076	NTRK1	1	7	1274,485615	plate 1 / well C11	Gö plate 1 well C11 (IC21).txt	F037018.dat	correct	72,3	Y7	45,1	Y8	40,2 (T5)	27,2 (S4)	27,2

LSY**Y**EYDFER	IPI00029132	BTK	1	4	1463,564585	plate 1 / well C12	Gö plate 1 well C12 (IC23).txt	F037018.dat	correct	72	Y4	50,2	Y3	39 (Y6)	33,2 (S2)	21,8
DK**S**PSSLLEDAK	IPI00329488	ABL2	1	3	1368,617335	plate 1 / well D 1	Gö plate 1 well D1 (ID2).txt	F037018.dat	correct	36,4	S3	21,2	S5			15,2
IGEG**TY**GVVYK	IPI00026689	CDC2	2	5&6	1344,540315	plate 1 / well D 2	Gö plate 1 well D2 (ID4).txt	F037018.dat	not identified							
LQTVH**S**IPLTINK	IPI00004497	BCR	1	6	1542,817045	plate 1 / well D 3	Gö plate 1 well D3 (ID6).txt	F037018.dat	correct	68,5	S6	36	T3	28,4 (T10)		32,5
SS**S**FREMENQPHK	IPI00329488	ABL2	1	3	1655,676285	plate 1 / well D 4	Gö plate 1 well D4 (ID8).txt	F037018.dat	false	72,6	S1	64,4	S3	64,4 (S2)		8,2
STLVLHDLLK	IPI00004497	BCR	1	1	1217,642035	plate 1 / well D 5	Gö plate 1 well D5 (III9).txt	F037018.dat	not identified							
YIEDED**Y**YK	IPI00029702	PTK2B	1	7	1316,484935	plate 1 / well D 6	Gö plate 1 well D6 (ID12).txt	F037018.dat	correct	74,3	Y7	55,7	Y8			18,6
AGGKPSQSP**S**QEA	IPI00216969	ABL1	1	10	2118,994595	plate 1 / well D 7	Gö plate 1 well D7 (ID14).txt	F037018.dat	correct	106,3	S10	97,2	S8	86,5 (S6)		9,1
T**SS**FAEPGGGGGG	IPI00292228	GSK3A	2	2&3	2591,991385	plate 1 / well D 8	Gö plate 1 well D8 (ID16).txt	F037018.dat	not identified							
FSDQAGPAIPTSNS	IPI00041176	MARK2	1	16	1848,793075	plate 1 / well D 9	Gö plate 1 well D9 (ID18).txt	F037018.dat	correct	109,6	S16	88,9	S14	75,8 (Y17)	61,9 (S13)	20,7
TGMGSG**S**AGKEGG	IPI00465142	KIAA0528	1	7	1546,648645	plate 1 / well D10	Gö plate 1 well D10 (ID20).txt	F037018.dat	correct	108,5	S7	82,9	S5	66,7 (T1)		25,6
EDAANN**Y**AR	IPI00387144	TUBA6	1	7	1102,408025	plate 1 / well D11	Gö plate 1 well D11 (ID22).txt	F037018.dat	correct	31,3	Y7					31,3
MMSL**S**QSR	IPI00021917	RIPK2	1	5	1018,397685	plate 1 / well D12	Gö plate 1 well D12 Mox (ID24).t	F037018.dat	correct	24	S5	16,4	S3			7,6
ESK**S**SPRPTAEK	IPI00004344	AFF4	1	4	1395,639475	plate 1 / well E 1	Gö plate 1 well E1 (IE1).txt	F037018.dat	unassigned	12,8	S4	12,8	S2			0
IKS**Y**SFPK	IPI00018597	SYK	1	4	1048,499405	plate 1 / well E 2	Gö plate 1 well E2 (IE3).txt	F037018.dat	not identified							
NFSAAK**S**LLNK	IPI00216378	CAMK2G	1	7	1271,627455	plate 1 / well E 3	Gö plate 1 well E3 (IE5).txt	F037018.dat	correct	45,4	S7	37,8	S3			7,6
SS**S**FREMENQPHK	IPI00329488	ABL2	1	2	1655,676285	plate 1 / well E 4	Gö plate 1 well E4 (IE7).txt	F037018.dat	false	46,7	S1	39,9	S2	30,7 (S3)		6,8
SVT**S**MERK	IPI00029263	FER	1	4	1016,436165	plate 1 / well E 5	Gö plate 1 well E5 (IE9).txt	F037018.dat	unassigned	21,1	S4	21,1	T3	21,0 (S1)		0
YIEDEDY**Y**K	IPI00029702	PTK2B	1	8	1316,484935	plate 1 / well E 6	Gö plate 1 well E6 (IE11).txt	F037018.dat	correct	70,4	Y8	51,5	Y7			18,9
EALPMDTEV**Y**ESPY	IPI00018597	SYK	1	10	2758,208415	plate 1 / well E 7	Gö plate 1 well E7 Mox (III13).txt	F037018.dat	unassigned	28,7	Y10	28,7	S12	28,7 (Y14)	28,7 (T7)	0
AT**S**PEAGGGGGALK	IPI00012318	MAP3K1	1	3	1251,549575	plate 1 / well E 8	Gö plate 1 well E8 (IE15).txt	F037018.dat	not identified							
GRG**S**RDALVSGALE	IPI00004497	BCR	1	4	1782,862475	plate 1 / well E 9	Gö plate 1 well E9 (IE17).txt	F037018.dat	false	32,5	S10	26,6	S4	23,6 (S15)	22,6 (T16)	5,9
YVLDDE**Y**TSSVGSK	IPI00029132	BTK	1	7	1641,681065	plate 1 / well E10	Gö plate 1 well E10 (IE19).txt	F037018.dat	correct	120,1	Y7	95	T8	75,8 (S9)	59 (S10)	25,1
FG**S**LTMDGGLR	IPI00293613	TBK1	1	3	1232,526025	plate 1 / well E11	Gö plate 1 well E11 Mox (IE21).t	F037018.dat	correct	72,4	S3	41,9	T5			30,5
MM**S**LSQSR	IPI00021917	RIPK2	1	3	1018,397685	plate 1 / well E12	Gö plate 1 well E12 (IE23).txt	F037018.dat	correct	50,9	S3	32				18,9
FGE**S**DTENQNNK	IPI00328149	EIF2AK1	1	4	1461,540895	plate 1 / well F 1	Gö plate 1 well F1 (IF2).txt	F037018.dat	correct	64,1	S4	36,9	T6			27,2
KT**S**PLNFK	IPI00029132	BTK	1	3	1013,494655	plate 1 / well F 2	Gö plate 1 well F2(IF4).txt	F037018.dat	correct	21,5	S3	18,7	T2			2,8
RL**S**SFVTK	IPI00301263	CAD	1	3	1016,505555	plate 1 / well F 3	Gö plate 1 well F3 (IF6).txt	F037018.dat	correct	17,5	S3					17,5
SSSFREMENQPHK	IPI00329488	ABL2	1	1	1655,676285	plate 1 / well F 4	Gö plate 1 well F4 (IF8).txt	F037018.dat	correct	33,8	S1	22,3	S2	15,4 (S3)		11,5
TI**Y**VRDPTSNK	IPI00298625	LYN	1	3	1372,638755	plate 1 / well F 5	Gö plate 1 well F5 (IF10).txt	F037018.dat	correct	38,1	Y3					38,1
YMEDST**Y**YK	IPI00413961	PTK2	1	7	1278,451545	plate 1 / well F 6	Gö plate 1 well F6 (IF12).txt	F037018.dat	correct	56,2	Y7	39,6	T6	36,1 (Y8)	27,7 (S5)	16,6
EALPMDTEVYESPY	IPI00018597	SYK	1	14	2758,208415	plate 1 / well F 7	Gö plate 1 well F7 Mox (III15)	F037018.dat	unassigned	24,4	Y14	24,4	S12	24,4 (Y10)	24,4 (T7)	0
E**T**TTSPKKYYLAEK	IPI00000878	TEC	1	2	1737,822585	plate 1 / well F 8	Gö plate 1 well F8 (IF16).txt	F037018.dat	correct	87,3	T2	75,6	T3	61,5 (T4)	46,8 (S5)	11,7
IL**S**DVTHSAVFGVPA	IPI00298977	AAK1	1	3	1806,891645	plate 1 / well F 9	Gö plate 1 well F9 (IF18).txt	F037018.dat	correct	135,6	S3	73,4	T6	50,5 (S8)		62,2
YVLDDQ**Y**TSSSGAK	IPI00000878	TEC	1	7	1612,665755	plate 1 / well F10	Gö plate 1 well F10 (IF20).txt	F037018.dat	correct	99,9	Y7	77,5	T8	62 (S9)	48,3 (S10)	22,4
GLPSD**Y**GR	IPI00016932	SHIP2	1	6	943,380015	plate 1 / well F11	Gö plate 1 well F11 (IF22).txt	F037018.dat	not identified							
MP**S**HEAR	IPI00221141	MAPK14	1	3	906,341865	plate 1 / well F12	Gö plate 1 well F12 (IF24).txt	F037018.dat	correct	46,4	S3					46,4
FGESD**T**ENQNNK	IPI00328149	EIF2AK1	1	6	1461,540895	plate 1 / well G 1	Gö plate 1 well G1 (IG1).txt	F037018.dat	correct	69,4	T6	49,3	S4			20,1
K**Y**SLTVAVK	IPI00329488	ABL2	1	2	1087,567815	plate 1 / well G 2	Gö plate 1 well G2 (IG3).txt	F037018.dat	correct	81,4	Y2	57,6	S3	29,5 (T5)		23,8

RSMSPFRGPK	IPI00384765	PKMYT1	1	4	1241,573985	plate 1 / well G 3	Gö plate 1 well G3 (IG5).txt	F037018.dat	correct	32,6	S4	20,9	S2			11,7
SSSPTQYGLTK	IPI00329638	ZAK	1	3	1247,543465	plate 1 / well G 4	Gö plate 1 well G4 (IG7).txt	F037018.dat	false	40,5	S1	40,4	S3	40,4 (S2)	36,9 (T5)	0,1
TSPLNFK	IPI00029132	BTK	1	1	885,399695	plate 1 / well G 5	Gö plate 1 well G5 (IG9).txt	F037018.dat	correct	41,1	T1	28,7	S2			12,4
YMEDSTYYK	IPI00413961	PTK2	1	8	1278,451545	plate 1 / well G 6	Gö plate 1 well G6 (IG11).txt	F037018.dat	correct	66,5	Y8	48,4	Y7	31,4 (T6)		18,1
EALPMDTEVYESPY	IPI00018597	SYK	2	10&14	2838,174715	plate 1 / well G 7			no MS/MS spectrum							
ETTTSPKKYYLAEK	IPI00000878	TEC	1	3	1737,822585	plate 1 / well G 8	Gö plate 1 well G8 (IG15).txt	F037018.dat	correct	74,1	T3	65,8	T2	63,4 (T4)	47,5 (S5)	8,3
ILSDVTHSAVFGVPA	IPI00298977	AAK1	1	6	1806,891645	plate 1 / well G 9	Gö plate 1 well G9 (IG17).txt	F037018.dat	correct	111,6	T6	96,1	S3	69,6 (S8)		15,5
ALQKSPGPQR	IPI00303797	BRAF	1	5	1160,570275	plate 1 / well G10	Gö plate 1 well G10 (IG19).txt	F037018.dat	correct	31,3	S5					31,3
GTVTPPPR	IPI00216969	ABL1	1	4	903,421485	plate 1 / well G11	Gö plate 1 well G11 (IG21).txt	F037018.dat	correct	17,9	T4	17,8	T2			0,1
NGSLKPGSSHR	IPI00029132	BTK	1	8	1218,550605	plate 1 / well G12	Gö plate 1 well G12 (IG23).txt	F037018.dat	correct	38,5	S8	25,6	S9	20,8 (S3)		12,9
GGFFSSFMK	IPI00329488	ABL2	1	6	1086,424525	plate 1 / well H 1	Gö plate 1 well H1 (IH2).txt	F037018.dat	correct	36,2	S6	27,5	S5			8,7
LMTGDTYTAHAGAK	IPI00329488	ABL2	1	6	1515,642845	plate 1 / well H 2	Gö plate 1 well H2 (IH4).txt	F037018.dat	correct	84	T6	64	T8	60,7 (T3)	51,6 (Y7)	20
SDGGVKPQSNNK	IPI00216378	CAMK2G	1	9	1309,566315	plate 1 / well H 3	Gö plate 1 well H3 (III19)	F037018.dat	not identified							
SSSPTQYGLTK	IPI00329638	ZAK	1	5	1247,543465	plate 1 / well H 4	Gö plate 1 well H4 (IH8).txt	F037018.dat	false	46,9	S1	46,2	T5	39,1 (S2)	38,1 (S3)	0,7
VGSLTPPSSPK	IPI00298977	AAK1	1	5	1148,547805	plate 1 / well H 5	Gö plate 1 well H5 (II23).txt	F037018.dat	correct	60,1	T5	43,3	S3	28,4 (S8)	24 (S9)	16,8
YMEDSTYYKASK	IPI00413961	PTK2	2	7&8	1644,581945	plate 1 / well H 6	Gö plate 1 well H6 (IH12).txt	F037018.dat	correct	39,4	Y7&Y8	27	T6&Y8	23,8 (S5&Y8)	9,2 (Y7&S11)	12,4
IPLIKSHNDFVAILDL	IPI00013905	PRKAB2	1	6	2855,425805	plate 1 / well H 7			no MS/MS spectrum							
ETTTSPKKYYLAEK	IPI00000878	TEC	1	4	1737,822585	plate 1 / well H 8	Gö plate 1 well H8 (IH16).txt	F037018.dat	correct	62	T4	55,4	S5	54,1 (T3)	54,1 (T2)	6,6
ILSDVTHSAVFGVPA	IPI00298977	AAK1	1	8	1806,891645	plate 1 / well H 9	Gö plate 1 well H9 (IH18).txt	F037018.dat	correct	108,6	S8	69,4	T6	55,8 (S3)	29,8 (S16)	39,2
AQSFPDNR	IPI00181703	MAP3K3	1	3	1013,396735	plate 1 / well H10	Gö plate 1 well H10 (IH20).txt	F037018.dat	correct	40,3	S3					40,3
HSWYHGPVSR	IPI00216969	ABL1	1	4	1304,545125	plate 1 / well H11 (Wox)	Gö plate 1 well H11 Wox (IH22).t	F037018.dat	correct	53,1	Y4	32,7	S2			20,4
NSQPNRYTNR	IPI00552413	CDK9	1	8	1328,562255	plate 1 / well H12	Gö plate 1 well H12 (IH24).txt	F037018.dat	correct	39,9	T8					39,9
RDSPPPPAR	IPI00014068	PAK4	1	3	1071,486205	plate 2 / well A 1	Gö plate 2 well A1 (IIA1).txt	F037033.dat	correct	28,7	S3					28,7
SRNSPLLER	IPI00555838	MARK2	1	4	1150,549545	plate 2 / well A 2	Gö plate 2 well A2 (IIA3).txt	F037033.dat	correct	26,4	S4	17,8	S1			8,6
TYTHEVVTLWYR	IPI00031681	CDK2	1	3	1646,749365	plate 2 / well A 3	Gö plate 2 well A3 (IIA5).txt	F037033.dat	correct	77,3	T3	68,2	T1	61,3 (Y2)	12,4 (T8)	9,1
DSPGIPPSAGAHQLF	IPI00477982	RPS6KA1	1	8	1728,798415	plate 2 / well A 4	Gö plate 2 well A4 (IIA7).txt	F037033.dat	correct	120,1	S8	83,1	S2			37
SFNGSLKNVAVDELS	IPI00219129	NQO2	1	5	1814,856335	plate 2 / well A 5	Gö plate 2 well A5 (IIA9).txt	F037033.dat	unassigned	101,5	S5	101,5	S1			0
GHGQPGADAEKPF	IPI00004497	BCR	1	14	2700,186975	plate 2 / well A 6	Gö plate 2 well A6 (IIA11).txt	F037033.dat	correct	74,1	Y14					74,1
SQSNPILGSPFFSHF	IPI00329638	ZAK	1	3	2877,275865	plate 2 / well A 7			no MS/MS spectrum							
FTNSETAEHIAQGLR	IPI00029132	BTK	1	4	1752,783175	plate 2 / well A 8	Gö plate 2 well A8 (IIA15).txt	F037033.dat	correct	108,6	S4	95	T6	83,1 (T2)		13,6
RLSSTSLASGHSVR	IPI00009334	PRKD2	1	4	1536,740925	plate 2 / well A 9	Gö plate 2 well A9 (IIA17).txt	F037033.dat	correct	60,6	S4	57,6	S3	44,6 (T5)	34,2 (S6)	3
SRTPPSAPSQSR	IPI00039689	SRRM2	1	6	1349,608855	plate 2 / well A10	Gö plate 2 well A10 (IIA19).txt	F037033.dat	correct	37,4	S6	30,5	S11	28,1 (S9)	26,6 (T3)	6,9
VSGRTSPPLLDR	IPI00039689	SRRM2	1	2	1376,681275	plate 2 / well A11	Gö plate 2 well A11 (IIA21).txt	F037033.dat	correct	39,6	S2	35,4	T5	31,2 (S6)		4,2
RLSIIGPTSR	IPI00513803	MAP3K2	1	3	1178,617225	plate 2 / well B 1	Gö plate 2 well B1 (IIB2).txt	F037033.dat	correct	48,4	S3	24,4	S9	23,1 (T8)		24
SRNSPLLER	IPI00555838	MARK2	1	1	1150,549545	plate 2 / well B 2	Gö plate 2 well B2 (IIB4).txt	F037033.dat	correct	40	S1					40
VIEDNEYTAR	IPI00298625	LYN	1	7	1288,533615	plate 2 / well B 3	Gö plate 2 well B3 (IIB6).txt	F037033.dat	correct	55,3	Y7	37,9	T8			17,4
DSPGIPPSANAHQLF	IPI00020898	RPS6KA3	1	2	1785,819885	plate 2 / well B 4	Gö plate 2 well B4 (IIB8).txt	F037033.dat	correct	130,8	S2	61,5	S8			69,3
SNSTSSMSSGLPEQ	IPI00329488	ABL2	1	3	1761,687645	plate 2 / well B 5	Gö plate 2 well B5 (IIB10).txt	F037033.dat	correct	144,4	S3	141,1	T4	138 (S1)	116,3 (S5)	3,3
GISRSLESVLSLGPR	IPI00022633	TNK1	2	3&5	2865,378585	plate 2 / well B 6			no MS/MS spectrum							

VKEEGYELPYNPATL	IPI00015287	DOK1	1	17	2699,215545	plate 2 / well B 7	Gö plate 2 well B7 (IIB14).txt	F037033.dat	correct	86,2	Y17	50,7	T14	25,2 (Y10)		35,5
GRRSPSPGNSPSGF	IPI00012318	MAP3K1	1	4	1490,673905	plate 2 / well B 8	Gö plate 2 well B8 (IIB16).txt	F037033.dat	correct	30,4	S4	30,1	S6	13,6 (S10)		0,3
RLSSTSLASGHSVR	IPI00009334	PRKD2	2	3&4	1616,707225	plate 2 / well B 9			no MS/MS spectrum							
SSSFREMDGQPER	IPI00216969	ABL1	1	1	1604,628995	plate 2 / well B10	Gö plate 2 well B10 Mox (IIB20).t	F037033.dat	correct	71,8	S1	59,8	S2	57,5 (S3)		12
VSGRTSPPLLDR	IPI00039689	SRRM2	1	6	1376,681275	plate 2 / well B11	Gö plate 2 well B11 (IIB22).txt	F037033.dat	not identified							
SINEKDYHSR	IPI00028061	CLK1	1	1	1327,555755	plate 2 / well C 1	Gö plate 2 well C1 (IIC1).txt	F037033.dat	correct	89,9	S1					89,9
STFHAGQLR	IPI00555838	MARK2	1	2	1095,486215	plate 2 / well C 2	Gö plate 2 well C2 (IIC3).txt	F037033.dat	correct	73,6	T2	60,4	S1			13,2
VPASPLPGLER	IPI00555838	MARK2	1	4	1214,605975	plate 2 / well C 3	Gö plate 2 well C3 (IIC5).txt	F037033.dat	correct	94,2	S4					94,2
IQPSSPPPNHPNNHL	IPI00657720	KIAA0999	1	4	2030,947555	plate 2 / well C 4	Gö plate 2 well C4 (IIC7).txt	F037033.dat	correct	109,1	S4	91,2	S5			17,9
SNSTSSMSSGLPEQ	IPI00329488	ABL2	1	4	1761,687645	plate 2 / well C 5	Gö plate 2 well C5 (IIC9).txt	F037033.dat	correct	137,3	T4	134,1	S5	130,1 (S6)	126,2 (S8)	3,2
NSFNNPAYYVLEGV	IPI00016932	SHIP2	1	8	3182,522565	plate 2 / well C 6			no MS/MS spectrum							
VKEEGYELPYNPATL	IPI00015287	DOK1	2	6&17	2779,181845	plate 2 / well C 7	Gö plate 2 well C7 (IIC13).txt	F037033.dat	not identified							
GRRSPSPGNSPSGF	IPI00012318	MAP3K1	1	6	1490,673905	plate 2 / well C 8	Gö plate 2 well C8 (IIC15).txt	F037033.dat	correct	30,5	S6	27,8	S4	27,2 (S10)	25,4 (S12)	2,7
SGGQRHSPLSQR	IPI00006064	TBKBP1	1	1	1388,630985	plate 2 / well C 9	Gö plate 2 well C9 (IIC17).txt	F037033.dat	correct	58,8	S1	36,5	S10	27,1 (S7)		22,3
SSSFREMDGQPER	IPI00216969	ABL1	1	2	1604,628995	plate 2 / well C10	Gö plate 2 well C10 (IIC19).txt	F037033.dat	correct	71,4	S2	68,5	S3	67,5 (S1)		2,9
YATPQVIQAPGPR	IPI00442025	TNK2	1	1	1476,712575	plate 2 / well C11	Gö plate 2 well C11 (IIC21).txt	F037033.dat	correct	90,9	Y1	65,5	T3			25,4
SISLRYEGR	IPI00216969	ABL1	1	6	1159,538645	plate 2 / well D 1	Gö plate 2 well D1 (IID2).txt	F037033.dat	correct	45,1	Y6	19,9	S3			25,2
STFHAGQLR	IPI00555838	MARK2	1	1	1095,486215	plate 2 / well D 2	Gö plate 2 well D2 (IID4).txt	F037033.dat	correct	77,5	S1	61	T2			16,5
VSPSPTTYR	IPI00004497	BCR	1	8	1086,474655	plate 2 / well D 3	Gö plate 2 well D3 (IL16).txt	F037033.dat	correct	35,3	Y8	24,9	T7			10,4
IQPSSPPPNHPNNHL	IPI00657720	KIAA0999	1	5	2030,947555	plate 2 / well D 4	Gö plate 2 well D4 (IID8).txt	F037033.dat	false	100,5	S4	90,3	S5			10,2
SNSTSSMSSGLPEQ	IPI00329488	ABL2	1	5	1761,687645	plate 2 / well D 5	Gö plate 2 well D5 (ID10).txt	F037033.dat	false	140,6	T4	130,7	S5	128,5 (S6)	124,6 (S8)	9,9
NSFNNPAYYVLEGV	IPI00016932	SHIP2	1	9	3182,522565	plate 2 / well D 6			no MS/MS spectrum							
VKEEGYELPYNPATL	IPI00015287	DOK1	2	10&17	2779,181845	plate 2 / well D 7	Gö plate 2 well D7 (IID14).txt	F037033.dat	unassigned	24,3	T14	24,3	Y10	24,3 (Y6)		0
HTDDEMTGYVATR	IPI00002857	MAPK14	1	9	1574,607195	plate 2 / well D 8	Gö plate 2 well D8 (IID16).txt	F037033.dat	correct	95,3	Y9	49,5	T7	49,5 (T12)	9,8 (T2)	45,8
SGGQRHSPLSQR	IPI00006064	TBKBP1	1	7	1388,630985	plate 2 / well D 9	Gö plate 2 well D9 (IID18).txt	F037033.dat	false	44	S10	40,6	S7	39,9 (S1)		3,4
SSSFREMDGQPER	IPI00216969	ABL1	1	3	1604,628995	plate 2 / well D10	Gö plate 2 well D10 (IID20).txt	F037033.dat	false	71,4	S2	71,4	S1	67,9 (S3)	12,7 (S2)	3,5
YIEDEDYYKASVTR	IPI00029702	PTK2B	2	7&8	1910,737575	plate 2 / well D11	Gö plate 2 well D11 (IID22).txt	F037033.dat	correct	108,1	Y7&Y8	62,3	Y7&S11	9,6 (Y8&S11)	46,1 (Y1&Y8)	45,8
SLESVLSLGPR	IPI00022633	TNK1	1	1	1236,611465	plate 2 / well E 1	Gö plate 2 well E1 (IIE1).txt	F037033.dat	not identified							
STGDPQGVIR	IPI00029132	BTK	1	2	1108,491355	plate 2 / well E 2	Gö plate 2 well E2 (IIE3).txt	F037033.dat	unassigned	28,7	T2	28,7	S1			0
VYELMR	IPI00329488	ABL2	1	2	889,376855	plate 2 / well E 3	Gö plate 2 well E3 (IIE5).txt	F037033.dat	correct	35,1	Y2					35,1
LQPQEISPPPTANLD	IPI00413961	PTK2	1	7	1854,887635	plate 2 / well E 4	Gö plate 2 well E4 (IIE7).txt	F037033.dat	correct	99,5	S7	77,9	T11			21,6
SNSTSSMSSGLPEQ	IPI00329488	ABL2	1	6	1761,687645	plate 2 / well E 5	Gö plate 2 well E5 (IIE9).txt	F037033.dat	correct	118,6	S6	105,5	S5	92,6 (T4)	90,2 (S8)	13,1
NSFNNPAYYVLEGV	IPI00016932	SHIP2	2	8&9	3262,488865	plate 2 / well E 6			no MS/MS spectrum							
ARSRTPPSAPSQSR	IPI00099730	SRRM2	2	3&8	1656,713375	plate 2 / well E 7	Gö plate 2 well E7 (IIE13).txt	F037033.dat	unassigned	13,7	S3&S8	13,7	(S3&T5)	4,8 (T5&S8)	1,8 (S3&S13)	0
ISSLGSQAMQMER	IPI00004497	BCR	1	3	1516,641485	plate 2 / well E 8 (Mox)	Gö plate 2 well E8 Mox (IIE15).tx	F037033.dat	correct	87,3	S3	80	S2	40,9 (S6)		7,3
SLPAPQDNDFLSR	IPI00021917	RIPK2	1	1	1538,676585	plate 2 / well E 9	Gö plate 2 well E9 (IIE17).txt	F037033.dat	correct	100,2	S1	36,1	S12			64,1
SVTLPRDLQSTGR	IPI00216969	ABL1	1	1	1508,734775	plate 2 / well E10	Gö plate 2 well E10 (IIE19).txt	F037033.dat	correct	73	S1	58	T3	38 (S10)	36,5 (T11)	15
SQERPTFYR	IPI00002857	MAPK14	1	1	1262,544465	plate 2 / well F 1	Gö plate 2 well F1 (IIK17).txt	F037033.dat	correct	30,7	S1	16,7	T6			14
STVASMMHR	IPI00169392	CAMK2G	1	1	1098,435125	plate 2 / well F 2			no MS/MS spectrum							

VYHYR	IPI00216969	ABL1	1	2	816,331955	plate 2 / well F 3	Gö plate 2 well F3 (IIF6).txt	F037033.dat	correct	20,9	Y2					20,9
LTEERDGSLNQSSG	IPI00219012	FYN	1	8	1890,810855	plate 2 / well F 4	Gö plate 2 well F4 (IIF8).txt	F037033.dat	correct	91,7	S8	53,8	T2	52,9 (S12)	42,3 (S13)	37,9
SNSTSSMSSGLPEQ	IPI00329488	ABL2	1	8	1761,687645	plate 2 / well F 5	Gö plate 2 well F5 (IIF10).txt	F037033.dat	unassigned	58,3	S8	58,3	S6	58,3 (S5)	58,3 (T4)	0
PKPSNPIYNEPDEPI	IPI00220388	SH2D2A	2	8&18	2665,132405	plate 2 / well F 6	Gö plate 2 well F6 Mox (IK15).txt	F037033.dat	not identified							
ATSLPSLDTPGELR	IPI00156649	DOK3	1	3	1535,723195	plate 2 / well F 7	Gö plate 2 well F7 (IIF14).txt	F037033.dat	correct	90,1	S3	79,5	T2	49,9 (S6)	30 (T9)	10,6
LRSADSENALSVQEI	IPI00181703	MAP3K3	1	3	1753,799555	plate 2 / well F 8	Gö plate 2 well F8 (IIF16).txt	F037033.dat	correct	30,8	S3	23,6	S6	13,9 (S11)		7,2
SPGPSSPKEPLLFSF	IPI00022872	LIMK2	1	1	1677,812675	plate 2 / well F 9	Gö plate 2 well F9 (IIF18).txt	F037033.dat	false	115,6	S5	111,6	S1	105,3 (S6)	34,2 (S14)	4
TAGTSFMMTPYVVT	IPI00024672	MAPK8	1	11	1740,761595	plate 2 / well F10 (Mox)	Gö plate 2 well F10 Mox (IIF20).t	F037033.dat	correct	95,4	Y11	93,1	T9	46,8 (T14)	41,7 (S5)	2,3
SQSDIFSR	IPI00102677	TESK2	1	1	1018,412055	plate 2 / well G 1	Gö plate 2 well G1 (IIG1).txt	F037033.dat	correct	79,5	S1	43,1	S3			36,4
STVASMMHR	IPI00169392	CAMK2G	1	5	1098,435125	plate 2 / well G 2	Gö plate 2 well G2 (IIG3).txt	F037033.dat	false	31,7	T2	31,7	S1	29 (S5)	23,6 (S5)	2,7
VYTHEVVTLWYR	IPI00026689	CDC2	1	3	1644,770095	plate 2 / well G 3	Gö plate 2 well G3 (IIG5).txt	F037033.dat	correct	72,1	T3	56,5	Y2	9,3 (T8)		15,6
SFGSPNRAYTHQVV	IPI00000685	CDK7	2	4&10	1978,845115	plate 2 / well G 4	Gö plate 2 well G4 (IIG7).txt	F037033.dat	false	46,5	S1&Y9	42,9	S1&S4	40,7 (S4&Y9)	7,8 (S1&T10)	11,9
SNSTSSMSSGLPEQ	IPI00329488	ABL2	1	9	1761,687645	plate 2 / well G 5	Gö plate 2 well G5 (IIG9).txt	F037033.dat	not identified							
RLEEPEEPKVLTPEE	IPI00290461	EIF3S1	1	12	2698,357785	plate 2 / well G 6	Gö plate 2 well G6 (IIG11).txt	F037033.dat	not identified							
ATSLPSLDTPGELR	IPI00156649	DOK3	1	6	1535,723195	plate 2 / well G 7	Gö plate 2 well G7 (IIG13).txt	F037033.dat	correct	73,1	S6	55	S3	55 (T2)	26,3 (T9)	18,1
LRSADSENALSVQEI	IPI00181703	MAP3K3	1	6	1753,799555	plate 2 / well G 8	Gö plate 2 well G8 (IIG15).txt	F037033.dat	correct	90,9	S6	78,4	S3	39,2 (S11)		12,5
SPGPSSPKEPLLFSF	IPI00022872	LIMK2	1	5	1677,812675	plate 2 / well G 9	Gö plate 2 well G9 (IIG17).txt	F037033.dat	correct	109,3	S6	106,8	S1	106,2 (S6)	27,8 (S14)	2,5
TVSTSSQPEENVDR	IPI00329488	ABL2	1	3	1627,672635	plate 2 / well G10	Gö plate 2 well G10 (IIG19).txt	F037033.dat	correct	102,6	S3	96,8	T1	96,6 (T4)	80 (S5)	5,8
SQSDIFSR	IPI00102677	TESK2	1	3	1018,412055	plate 2 / well H 1	Gö plate 2 well H1 (IIH2).txt	F037033.dat	correct	52,6	S3	47,4	S1			5,2
TAPTPPKR	IPI00216969	ABL1	1	4	946,463685	plate 2 / well H 2	Gö plate 2 well H2 (IIH4).txt	F037033.dat	correct	20,3	T4					20,3
YELTGLPEQDR	IPI00375648	ABL2	1	1	1399,602025	plate 2 / well H 3	Gö plate 2 well H3 (IIH6).txt	F037033.dat	correct	84,2	Y1	60,7	T4			23,5
SFNGSLKNVAVDEL	IPI00219129	NQO2	1	1	1814,856335	plate 2 / well H 4	Gö plate 2 well H4 (IIH8).txt	F037033.dat	correct	22,2	S1					22,2
THLGTGMERSPGAN	IPI00413961	PTK2	1	1	1808,769855	plate 2 / well H 5	Gö plate 2 well H5 (Mox) (IIH10).	F037033.dat	not identified							
RPGAAASGERDDRG	IPI00004497	BCR	1	7	2356,139625	plate 2 / well H 6	Gö plate 2 well H6 (IIH12).txt	F037033.dat	not identified							
EPPPVVNYEEDAR	IPI00029263	FER	1	8	1593,671155	plate 2 / well H 7	Gö plate 2 well H7 (IIH14).txt	F037033.dat	correct	106,3	Y7					106,3
RLSSTSLASGHSVR	IPI00009334	PRKD2	1	3	1536,740925	plate 2 / well H 8	Gö plate 2 well H8 (IIH16).txt	F037033.dat	unassigned	13,3	S3	13,3	S6	13,3 (T5)	13,3 (S4)	0
SRTPPSAPSQSR	IPI00039689	SRRM2	1	1	1349,608855	plate 2 / well H 9	Gö plate 2 well H9 (IIH18).txt	F037033.dat	correct	34,1	S1	26,7	T3	25,8 (S6)	13,9 (S11)	7,4
TVSTSSQPEENVDR	IPI00329491	ABL5	2	3&5	1707,638935	plate 2 / well H10	Gö plate 2 well H10 (IIH20).txt	F037033.dat	not identified							

Table S3: Thermo LTQ-Orbitrap XL

phospopeptide sequence	IPI acc. No.	protein	# of sites in peptide	modified position in peptide	neutral mass	position in 96-well-plate	search file	Mascot Search log	P-site localization	1st score	assigned amino acid	2nd score	assigned amino acid	3rd score	4th score	Mascot delta score
ADENYYK	IPI00018597	SYK	1	5	981,348055	plate 1 / well A 1	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	no MS/MS spectrum							
GHLSEGLVTK	IPI00003431	MAPK6	1	4	1119,532485	plate 1 / well A 2	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	not identified							
LMTGDTYTAHAGAK	IPI00329488	ABL2	1	7	1515,642845	plate 1 / well A 3	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	no MS/MS spectrum							
SEGSPVLPHEPAK	IPI00145805	TNIK	1	4	1426,649295	plate 1 / well A 4	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	no MS/MS spectrum							
SSSPTQYGLTK	IPI00329638	ZAK	1	1	1247,543465	plate 1 / well A 5	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	no MS/MS spectrum							
VQTTPPPAVQGQK	IPI00298978	AAK1	1	4	1429,696595	plate 1 / well A 6	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	false	17,6	T3	15,9	T4 (richtig)			1,7
YSLTVAVK	IPI00216969	ABL1	1	1	959,472855	plate 1 / well A 7	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	no MS/MS spectrum							
LPLTRSHNNFVAILDLPEGEHQYK	IPI00220409	PRKAB1	1	6	2870,411565	plate 1 / well A 8	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	false	0,4	Y23					0,4
ETTTSPKKYYLAEK	IPI00000878	TEC	1	5	1737,822585	plate 1 / well A 9	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	false	23,4	T4	23,4	T3	23,4 (T2)	20,1 (S5)	3,3
PTTGVILPSGNTLRVK	IPI00465017	DKFZP781A0295	2	2&3	1811,894675	plate 1 / well A10	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	not identified							
AYTHQVVTR	IPI00000685	CDK7	1	3	1153,528085	plate 1 / well A11	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	correct	22,3	T3	8,4	Y2			13,9
IQPAGNTSPR	IPI00027729	CSNK1E	1	8	1119,507345	plate 1 / well A12	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	no MS/MS spectrum							
ADENYYK	IPI00018597	SYK	1	6	981,348055	plate 1 / well B 1	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	no MS/MS spectrum							
GQEYLILEK	IPI00000878	TEC	1	4	1171,552555	plate 1 / well B 2	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	not identified							
LMTGDTYTAHAGAK	IPI00329488	ABL2	2	6&7	1595,609145	plate 1 / well B 3	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	correct	21,7	T6&Y7	12,7	T3&Y7	8,8 (Y7&T8)		9
SESPPPLSDPK	IPI00014266	BRD3	1	3	1232,532545	plate 1 / well B 4	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	no MS/MS spectrum							
SSSPTQYGLTK	IPI00329638	ZAK	1	2	1247,543465	plate 1 / well B 5	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	no MS/MS spectrum							
VQTTPPPAVQGQK	IPI00298977	AAK1	1	3	1429,696595	plate 1 / well B 6	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	correct	43,3	T3	28,2	T4			15,1
AGGKPSQSPSQEAAGEAVLGAK	IPI00216969	ABL1	1	6	2118,994595	plate 1 / well B 7	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	correct	4,9	S6	3,2	S7			1,7
NIDQSEFEGFSFVNSEFLKPEVK	IPI00219628	PRKCB1	1	11	2769,257415	plate 1 / well B 8	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	no MS/MS spectrum							
EVGDYGQLHETEVLLK	IPI00031016	JAK2	1	5	1908,886955	plate 1 / well B 9	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	false	15,5	T11					15,5
RSPRPDHPGTPPHK	IPI00025830	WEE1	1	2	1657,783775	plate 1 / well B10	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	correct	17,8	S2	14,9	T10			2,9
DGSLNQSSGYR	IPI00219012	FYN	1	10	1262,492825	plate 1 / well B11	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	no MS/MS spectrum							
LIEDNEYTAR	IPI00219012	FYN	1	7	1302,549265	plate 1 / well B12	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	unassigned	11,5	Y7	11,5	T8			0
AVGMPSPVSPK	IPI00004344	AFF4	1	9	1148,530045	plate 1 / well C 1	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	not identified							
HSIAGIIRSPK	IPI00029263	FER	1	9	1257,659415	plate 1 / well C 2	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	correct	13	S9	10,7	S2			2,3
LQTVHSIPLTINK	IPI00004497	BCR	1	3	1542,817045	plate 1 / well C 3	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	correct	24,6	T3	21,7	T13	21,2 (S6)		2,9
SQSTSEQEK	IPI00004497	BCR	1	1	1102,417935	plate 1 / well C 4	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	no MS/MS spectrum							
STLVLHDLLK	IPI00004497	BCR	1	2	1217,642035	plate 1 / well C 5	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	not identified							
WTAPESLAYNK	IPI00216969	ABL1	1	9	1358,590735	plate 1 / well C 6 (Wox)	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	correct	16,1	Y9	14,4	S6			1,7
AGGKPSQSPSQEAAGEAVLGAK	IPI00216969	ABL1	1	8	2118,994595	plate 1 / well C 7	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	false	15,1	S6	10,1	S8 (richtig)	4,7 (S10)		5
SEVAVLSPEKAENDDTYKDDVNHNQK	IPI00012318	MAP3K1	1	7	3024,334895	plate 1 / well C 8	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	false	18,5	T16	7,6	S7 (richtig)	5,8 (S1)		10,9
FSDQAGPAIPTSNSYSK	IPI00041176	MARK2	1	15	1848,793075	plate 1 / well C 9	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	correct	33,2	Y15	31,2	S14	29,5 (S16)	24,7 (S12)	2
TGMGSGSAGKEGGPFK	IPI00465142	KIAA0528	1	5	1546,648645	plate 1 / well C10	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	not identified							
DIYSTDYYR	IPI00025076	NTRK1	1	7	1274,485615	plate 1 / well C11	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	unassigned	21,7	Y7	21,7	Y8	7,7 (T5)	7,7 (S4)	0

LSY**Y**EYDFER	IPI00029132	BTK	1	4	1463,564585	plate 1 / well C12	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	correct	17,1	Y4	16,9	S2	9,5 (Y3)	0,9 (Y6)	0,2
DK**S**PSSLLEDAK	IPI00329488	ABL2	1	3	1368,617335	plate 1 / well D 1	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	no MS/MS spectrum							
IGEG**TY**GVVYK	IPI00026689	CDC2	2	5&6	1344,540315	plate 1 / well D 2	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	no MS/MS spectrum							
LQTVH**S**IPLTINK	IPI00004497	BCR	1	6	1542,817045	plate 1 / well D 3	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	correct	28,4	S6	22,2	T10	16,6 (T3)		6,2
SS**S**FREMENQPHK	IPI00329488	ABL2	1	3	1655,676285	plate 1 / well D 4	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	correct	7,2	S3	5,4	S2	5,4 (S1)		1,8
STLVLHDLLK	IPI00004497	BCR	1	1	1217,642035	plate 1 / well D 5	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	correct	2,7	S1	2,2	T2			0,5
YIEDED**Y**YK	IPI00029702	PTK2B	1	7	1316,484935	plate 1 / well D 6	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	unassigned	15	Y7	15	Y8			0
AGGKPSQSP**S**QEAAGEAVLGAK	IPI00216969	ABL1	1	10	2118,994595	plate 1 / well D 7	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	not identified							
T**S**SFAEPGGGGGGGGGGPGGSASGPG	IPI00292228	GSK3A	2	2&3	2591,991385	plate 1 / well D 8	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	no MS/MS spectrum							
FSDQAGPAIPTSNSY**S**K	IPI00041176	MARK2	1	16	1848,793075	plate 1 / well D 9	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	false	32,3	S14	32,3	S12	31,2 (S16 richt	23,4 (T11)	1,1
TGMGSG**S**AGKEGGPFK	IPI00465142	KIAA0528	1	7	1546,648645	plate 1 / well D10	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	correct	8	S7	5,3	S5			2,7
EDAANN**Y**AR	IPI00387144	TUBA6	1	7	1102,408025	plate 1 / well D11	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	not identified							
MMSL**S**QSR	IPI00021917	RIPK2	1	5	1018,397685	plate 1 / well D12	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	no MS/MS spectrum							
ESK**S**SPRPTAEK	IPI00004344	AFF4	1	4	1395,639475	plate 1 / well E 1	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	no MS/MS spectrum							
IKS**Y**SFPK	IPI00018597	SYK	1	4	1048,499405	plate 1 / well E 2	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	not identified							
NFSAAK**S**LLNK	IPI00216378	CAMK2G	1	7	1271,627455	plate 1 / well E 3	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	not identified							
SS**S**FREMENQPHK	IPI00329488	ABL2	1	2	1655,676285	plate 1 / well E 4	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	not identified							
SVT**S**MERK	IPI00029263	FER	1	4	1016,436165	plate 1 / well E 5	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	no MS/MS spectrum							
YIEDEDY**Y**K	IPI00029702	PTK2B	1	8	1316,484935	plate 1 / well E 6	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	correct	36,4	Y8	22,8	Y7			13,6
EALPMDTEV**Y**ESPYADPEEIRPK	IPI00018597	SYK	1	10	2758,208415	plate 1 / well E 7	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	not identified							
AT**S**PEAGGGGGALK	IPI00012318	MAP3K1	1	3	1251,549575	plate 1 / well E 8	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	not identified							
GRG**S**RDALVSGALESTK	IPI00004497	BCR	1	4	1782,862475	plate 1 / well E 9	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	false	16,3	S10	14,7	S15	9,9 (T16)	5,9 (S4)	10,4
YVLDDE**Y**TSSVGSK	IPI00029132	BTK	1	7	1641,681065	plate 1 / well E10	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	correct	5,2	Y7					5,2
FG**S**LTMDGGLR	IPI00293613	TBK1	1	3	1232,526025	plate 1 / well E11	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	correct	40,1	S3	13,4	T5			26,7
MM**S**LSQSR	IPI00021917	RIPK2	1	3	1018,397685	plate 1 / well E12	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	no MS/MS spectrum							
FGE**S**DTENQNNK	IPI00328149	EIF2AK1	1	4	1461,540895	plate 1 / well F 1	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	not identified							
KT**S**PLNFK	IPI00029132	BTK	1	3	1013,494655	plate 1 / well F 2	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	no MS/MS spectrum							
RL**S**SFVTK	IPI00301263	CAD	1	3	1016,505555	plate 1 / well F 3	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	not identified							
SSSFREMENQPHK	IPI00329488	ABL2	1	1	1655,676285	plate 1 / well F 4	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	not identified							
TI**Y**VRDPTSNK	IPI00298625	LYN	1	3	1372,638755	plate 1 / well F 5	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	not identified							
YMEDST**Y**YK	IPI00413961	PTK2	1	7	1278,451545	plate 1 / well F 6	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	not identified							
EALPMDTEVYESP**Y**ADPEEIRPK	IPI00018597	SYK	1	14	2758,208415	plate 1 / well F 7 (Mox)	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	false	0,4	T7					0,4
E**T**TTSPKKYYLAEK	IPI00000878	TEC	1	2	1737,822585	plate 1 / well F 8	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	correct	30	T2	29,7	T4	29,1 (S5)	28,4 (T3)	0,3
IL**S**DVTHSAVFGVPASK	IPI00298977	AAK1	1	3	1806,891645	plate 1 / well F 9	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	correct	44,6	S3	35	T6	29,5 (S8)	3,7 (S16)	9,6
YVLDDQ**Y**TSSSGAK	IPI00000878	TEC	1	7	1612,665755	plate 1 / well F10	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	correct	14,2	Y8	12	T8	0,6 (S11)	0,6 (S10)	2,2
GLPSD**Y**GR	IPI00016932	SHIP2	1	6	943,380015	plate 1 / well F11	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	no MS/MS spectrum							
MP**S**HEAR	IPI00221141	MAPK14	1	3	906,341865	plate 1 / well F12	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	no MS/MS spectrum							
FGESD**T**ENQNNK	IPI00328149	EIF2AK1	1	6	1461,540895	plate 1 / well G 1	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	correct	7,6	T6	2,2	S4			5,4
K**Y**SLTVAVK	IPI00329488	ABL2	1	2	1087,567815	plate 1 / well G 2	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	correct	11,9	Y2	9	S3			2,9

RSMSPFRGPK	IPI00384765	PKMYT1	1	4	1241,573985	plate 1 / well G 3	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	correct	1,9	S4					1,9
SSSPTQYGLTK	IPI00329638	ZAK	1	3	1247,543465	plate 1 / well G 4	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	no MS/MS spectrum							
TSPLNFK	IPI00029132	BTK	1	1	885,399695	plate 1 / well G 5	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	no MS/MS spectrum							
YMEDSTYYK	IPI00413961	PTK2	1	8	1278,451545	plate 1 / well G 6 (Mox)	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	correct	23,3	Y8	12,4	Y7	5,1 (T6)	1,3 (S5)	10,9
EALPMDTEVYESPYADPEEIRPK	IPI00018597	SYK	2	10&14	2838,174715	plate 1 / well G 7	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	no MS/MS spectrum							
ETTTSPKKYYLAEK	IPI00000878	TEC	1	3	1737,822585	plate 1 / well G 8	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	correct	28,1	T3	27,5	T2	27,4 (T4)	22 (S5)	0,6
ILSDVTHSAVFGVPASK	IPI00298977	AAK1	1	6	1806,891645	plate 1 / well G 9	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	correct	37	T6	29,4	S3	26,7 (S7)	10 (S16)	7,6
ALQKSPGPQR	IPI00303797	BRAF	1	5	1160,570275	plate 1 / well G10	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	correct	4,8	S5					4,8
GTVTPPPR	IPI00216969	ABL1	1	4	903,421485	plate 1 / well G11	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	no MS/MS spectrum							
NGSLKPGSSHR	IPI00029132	BTK	1	8	1218,550605	plate 1 / well G12	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	not identified							
GGFFSSFMK	IPI00329488	ABL2	1	6	1086,424525	plate 1 / well H 1	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	correct	10,8	S6	5,7	S5			5,1
LMTGDTYTAHAGAK	IPI00329488	ABL2	1	6	1515,642845	plate 1 / well H 2	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	false	39,2	T3	34,5	T6	29 (T8)	8,6 (Y7)	4,7
SDGGVKPQSNNK	IPI00216378	CAMK2G	1	9	1309,566315	plate 1 / well H 3	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	no MS/MS spectrum							
SSSPTQYGLTK	IPI00329638	ZAK	1	5	1247,543465	plate 1 / well H 4	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	no MS/MS spectrum							
VGSLTPPSSPK	IPI00298977	AAK1	1	5	1148,547805	plate 1 / well H 5	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	not identified							
YMEDSTYYKASK	IPI00413961	PTK2	2	7&8	1644,581945	plate 1 / well H 6	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	no MS/MS spectrum							
IPLIKSHNDFVAILDLPEGEHQYK	IPI00013905	PRKAB2	1	6	2855,425805	plate 1 / well H 7	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	correct	48,7	S6					48,7
ETTTSPKKYYLAEK	IPI00000878	TEC	1	4	1737,822585	plate 1 / well H 8	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	unassigned	16,9	T4	16,9	T3&Y7	16,9 (T2)	15,7 (S	0
ILSDVTHSAVFGVPASK	IPI00298977	AAK1	1	8	1806,891645	plate 1 / well H 9	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	correct	43,8	S8	40,1	T6	40,1 (S3)	26,2 (S16)	3,7
AQSFPDNR	IPI00181703	MAP3K3	1	3	1013,396735	plate 1 / well H10	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	no MS/MS spectrum							
HSWYHGPVSR	IPI00216969	ABL1	1	4	1304,545125	plate 1 / well H11 (Wox)	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	false	13,7	S2	9,1	S9	3,5 (Y3)		10,2
NSQPNRYTNR	IPI00552413	CDK9	1	8	1328,562255	plate 1 / well H12	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	not identified							
RDSPPPPAR	IPI00014068	PAK4	1	3	1071,486205	plate 2 / well A 1	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	correct	3,8	S3					3,8
SRNSPLLER	IPI00555838	MARK2	1	4	1150,549545	plate 2 / well A 2	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	not identified							
TYTHEVVTLWYR	IPI00031681	CDK2	1	3	1646,749365	plate 2 / well A 3 (Wox)	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	correct	33	T3	23,9	T1	23,3 (Y2)	6,6 (T8)	9,1
DSPGIPPSAGAHQLFR	IPI00477982	RPS6KA1	1	8	1728,798415	plate 2 / well A 4	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	correct	41	S8	12,5	S2			28,5
SFNGSLKNVAVDELSR	IPI00219129	NQO2	1	5	1814,856335	plate 2 / well A 5	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	not identified							
GHGQPGADAEKPFYVNVEFHHER	IPI00004497	BCR	1	14	2700,186975	plate 2 / well A 6	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	not identified							
SQSNPILGSPFFSHFDGQDSYAAAVR	IPI00329638	ZAK	1	3	2877,275865	plate 2 / well A 7	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	not identified							
FTNSETAEHIAQGLR	IPI00029132	BTK	1	4	1752,783175	plate 2 / well A 8	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	correct	54,5	S4	44,7	T2	44 (T6)		9,8
RLSSTSLASGHSVR	IPI00009334	PRKD2	1	4	1536,740925	plate 2 / well A 9	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	not identified							
SRTPPSAPSQSR	IPI00039689	SRRM2	1	6	1349,608855	plate 2 / well A10	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	false	10,6	S14	8,9	S9	2,6 (S6)		8
VSGRTSPPLLDR	IPI00039689	SRRM2	1	2	1376,681275	plate 2 / well A11	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	false	5,8	S6					5,8
RLSIIGPTSR	IPI00513803	MAP3K2	1	3	1178,617225	plate 2 / well B 1	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	not identified							
SRNSPLLER	IPI00555838	MARK2	1	1	1150,549545	plate 2 / well B 2	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	not identified							
VIEDNEYTAR	IPI00298625	LYN	1	7	1288,533615	plate 2 / well B 3	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	no MS/MS spectrum							
DSPGIPPSANAHQLFR	IPI00020898	RPS6KA3	1	2	1785,819885	plate 2 / well B 4	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	correct	37,1	S2	9,7	S8			27,4
SNSTSSMSSGLPEQDR	IPI00329488	ABL2	1	3	1761,687645	plate 2 / well B 5	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	false	12,3	S1	4,1	S3 (richtig)	2,4 (S6)	1,7 (T4)	8,2
GISRSLESVLSLGPRPTGGGSSPPEIR	IPI00022633	TNK1	2	3&5	2865,378585	plate 2 / well B 6	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	not identified							

VKEEGYELPYNPATDDYAVPPPR	IPI00015287	DOK1	1	17	2699,215545	plate 2 / well B 7	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	not identified								
GRRSPSPGNSPSGR	IPI00012318	MAP3K1	1	4	1490,673905	plate 2 / well B 8	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	not identified								
RLSSTSLASGHSVR	IPI00009334	PRKD2	2	3&4	1616,707225	plate 2 / well B 9	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	no MS/MS spectrum								
SSSFREMDGQPER	IPI00216969	ABL1	1	1	1604,628995	plate 2 / well B10	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	unassigned	4,1	S1	4,1	S2	0,3 (S3)		0
VSGRTSPPLLDR	IPI00039689	SRRM2	1	6	1376,681275	plate 2 / well B11	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	not identified								
SINEKDYHSR	IPI00028061	CLK1	1	1	1327,555755	plate 2 / well C 1	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	correct	10,2	S1	2,4	S9			7,8
STFHAGQLR	IPI00555838	MARK2	1	2	1095,486215	plate 2 / well C 2	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	unassigned	13,1	T2	13,1	S1			0
VPASPLPGLER	IPI00555838	MARK2	1	4	1214,605975	plate 2 / well C 3	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	correct	19,8	S4					19,8
IQPSSPPPNHPNNHLFR	IPI00657720	KIAA0999	1	4	2030,947555	plate 2 / well C 4	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	correct	24	S4	19,6	S5			4,4
SNSTSSMSSGLPEQDR	IPI00329488	ABL2	1	4	1761,687645	plate 2 / well C 5	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	correct	42,3	T4					42,3
NSFNNPAYYVLEGVPHQLLPPEPPSPAR	IPI00016932	SHIP2	1	8	3182,522565	plate 2 / well C 6	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	false	6,8	S2					6,8
VKEEGYELPYNPATDDYAVPPPR	IPI00015287	DOK1	2	6&17	2779,181845	plate 2 / well C 7	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	false	8,6	Y10&T14	6,5	(Y7&T14)	5,5 (Y7&Y17)	4 (T14&Y17)	3,1
GRRSPSPGNSPSGR	IPI00012318	MAP3K1	1	6	1490,673905	plate 2 / well C 8	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	not identified								
SGGQRHSPLSQR	IPI00006064	TBKBP1	1	1	1388,630985	plate 2 / well C 9	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	false	10,5	S10	1,1	S7			9,4
SSSFREMDGQPER	IPI00216969	ABL1	1	2	1604,628995	plate 2 / well C10	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	false	6,2	S3	5,3	S2	5,3 (S1)		0,9
YATPQVIQAPGPR	IPI00442025	TNK2	1	1	1476,712575	plate 2 / well C11	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	false	30,2	T3	26,1	Y1			4,1
SISLRYEGR	IPI00216969	ABL1	1	6	1159,538645	plate 2 / well D 1	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	not identified								
STFHAGQLR	IPI00555838	MARK2	1	1	1095,486215	plate 2 / well D 2	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	correct	26,4	S1	18,9	T2			7,5
VSPSPTTYR	IPI00004497	BCR	1	8	1086,474655	plate 2 / well D 3	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	not identified								
IQPSSPPPNHPNNHLFR	IPI00657720	KIAA0999	1	5	2030,947555	plate 2 / well D 4	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	false	19	S4	12,5	S5			6,5
SNSTSSMSSGLPEQDR	IPI00329488	ABL2	1	5	1761,687645	plate 2 / well D 5	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	false	27,6	T4	27,6	S3	27,2 (S5)	18,6 (S1)	0,4
NSFNNPAYYVLEGVPHQLLPPEPPSPAR	IPI00016932	SHIP2	1	9	3182,522565	plate 2 / well D 6	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	false	8,7	S2	6,3	Y9	6,3 (Y8)		2,4
VKEEGYELPYNPATDDYAVPPPR	IPI00015287	DOK1	2	10&17	2779,181845	plate 2 / well D 7	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	unassigned	5,3	Y10	5,3	T14			0
HTDDEMTGYVATR	IPI00002857	MAPK14	1	9	1574,607195	plate 2 / well D 8	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	false	9,1	T7	1,5	T12			7,6
SGGQRHSPLSQR	IPI00006064	TBKBP1	1	7	1388,630985	plate 2 / well D 9	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	false	11,6	S10	5,5	S7 (richtig)			6,1
SSSFREMDGQPER	IPI00216969	ABL1	1	3	1604,628995	plate 2 / well D10	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	false	4,5	S2	4,5	S1	2,7 (S3)		1,8
YIEDEDYYKASVTR	IPI00029702	PTK2B	2	7&8	1910,737575	plate 2 / well D11	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	not identified								
SLESVLSLGPR	IPI00022633	TNK1	1	1	1236,611465	plate 2 / well E 1	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	correct	7,1	S1					7,1
STGDPQGVIR	IPI00029132	BTK	1	2	1108,491355	plate 2 / well E 2	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	no MS/MS spectrum								
VYELMR	IPI00329488	ABL2	1	2	889,376855	plate 2 / well E 3	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	no MS/MS spectrum								
LQPQEISPPPTANLDR	IPI00413961	PTK2	1	7	1854,887635	plate 2 / well E 4	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	correct	25,4	S7	14,9	T11			10,5
SNSTSSMSSGLPEQDR	IPI00329488	ABL2	1	6	1761,687645	plate 2 / well E 5	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	correct	7	S6	2,1	S5	1,6 (T4)	1,6 (S3)	4,9
NSFNNPAYYVLEGVPHQLLPPEPPSPAR	IPI00016932	SHIP2	2	8&9	3262,488865	plate 2 / well E 6	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	not identified								
ARSRTPPSAPSQSR	IPI00099730	SRRM2	2	3&8	1656,713375	plate 2 / well E 7	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	not identified								
ISSLGSQAMQMER	IPI00004497	BCR	1	3	1516,641485	plate 2 / well E 8	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	not identified								
SLPAPQDNDFLSR	IPI00021917	RIPK2	1	1	1538,676585	plate 2 / well E 9	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	correct	38,3	S1					38,3
SVTLPRDLQSTGR	IPI00216969	ABL1	1	1	1508,734775	plate 2 / well E10	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	false	10,8	S10	8,3	T11	7,9 (T3)	5,2 (S1)	5,6
SQERPTFYR	IPI00002857	MAPK14	1	1	1262,544465	plate 2 / well F 1	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	correct	4	S1					4
STVASMMHR	IPI00169392	CAMK2G	1	1	1098,435125	plate 2 / well F 2	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	no MS/MS spectrum								

VYHYR	IPI00216969	ABL1	1	2	816,331955	plate 2 / well F 3	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	not identified							
LTEERDGSLNQSSGYR	IPI00219012	FYN	1	8	1890,810855	plate 2 / well F 4	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	false	11	S13	10,3	S12	4,6 (S8 richtig)		6,4
SNSTSSMSSGLPEQDR	IPI00329488	ABL2	1	8	1761,687645	plate 2 / well F 5	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	not identified							
PKPSNPIYNEPDEPIAFYAMGR	IPI00220388	SH2D2A	2	8&18	2665,132405	plate 2 / well F 6	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	not identified							
ATSLPSLDTPGELR	IPI00156649	DOK3	1	3	1535,723195	plate 2 / well F 7	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	unassigned	22	S3	22	T2			0
LRSADSENALSVQER	IPI00181703	MAP3K3	1	3	1753,799555	plate 2 / well F 8	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	correct	1,6	S3	0,6	S6			1
SPGPSSPKEPLLFSR	IPI00022872	LIMK2	1	1	1677,812675	plate 2 / well F 9	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	correct	55,9	S1	47,2	S5	33,1 (S6)	17,2 (S14)	8,7
TAGTSFMMTPYVVTR	IPI00024672	MAPK8	1	11	1740,761595	plate 2 / well F10 (Mox)	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	unassigned	8,1	Y11	8,1	T14	7,8 (T9)	6,9 (T15)	0
SQSDIFSR	IPI00102677	TESK2	1	1	1018,412055	plate 2 / well G 1	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	no MS/MS spectrum							
STVASMMHR	IPI00169392	CAMK2G	1	5	1098,435125	plate 2 / well G 2	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	no MS/MS spectrum							
VYTHEVVTLWYR	IPI00026689	CDC2	1	3	1644,770095	plate 2 / well G 3 (Wox)	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	correct	44,9	T3	24,6	Y2	22,9 (T8)		20,3
SFGSPNRAYTHQVVTR	IPI00000685	CDK7	2	4&10	1978,845115	plate 2 / well G 4	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	not identified							
SNSTSSMSSGLPEQDR	IPI00329488	ABL2	1	9	1761,687645	plate 2 / well G 5 (Mox)	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	false	1,9	S6					1,9
RLEEPEEPKVLTPEEQLADKLR	IPI00290461	EIF3S1	1	12	2698,357785	plate 2 / well G 6	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	not identified							
ATSLPSLDTPGELR	IPI00156649	DOK3	1	6	1535,723195	plate 2 / well G 7	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	correct	29,5	S6	20,9	S3	15,3 (T2)	10,8 (T9)	8,6
LRSADSENALSVQER	IPI00181703	MAP3K3	1	6	1753,799555	plate 2 / well G 8	MALDI_Orbitrap_Thermo_Bremen.txt	F036813.dat	false	7,3	S11	6,9	S6			0,4
SPGPSSPKEPLLFSR	IPI00022872	LIMK2	1	5	1677,812675	plate 2 / well G 9	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	correct	56,1	S5	41,2	S6	34,8 (S1)	27,9 (S14)	14,9
TVSTSSQPEENVDR	IPI00329488	ABL2	1	3	1627,672635	plate 2 / well G10	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	unassigned	3,3	S3	3,3	T1			0
SQSDIFSR	IPI00102677	TESK2	1	3	1018,412055	plate 2 / well H 1	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	not identified							
TAPTPPKR	IPI00216969	ABL1	1	4	946,463685	plate 2 / well H 2	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	not identified							
YELTGLPEQDR	IPI00375648	ABL2	1	1	1399,602025	plate 2 / well H 3	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	correct	29,5	Y1	25,5	T4			4
SFNGSLKNVAVDELSR	IPI00219129	NQO2	1	1	1814,856335	plate 2 / well H 4	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	correct	2,4	S1					2,4
THLGTGMERSPGAMER	IPI00413961	PTK2	1	1	1808,769855	plate 2 / well H 5	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	not identified							
RPGAAASGERDDRGPPASVAALR	IPI00004497	BCR	1	7	2356,139625	plate 2 / well H 6	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	correct	6,5	S7	0,3	S18			6,2
EPPPVVNYEEDAR	IPI00029263	FER	1	8	1593,671155	plate 2 / well H 7	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	correct	44,4	Y8					44,4
RLSSTSLASGHSVR	IPI00009334	PRKD2	1	3	1536,740925	plate 2 / well H 8	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	not identified							
SRTPPSAPSQSR	IPI00039689	SRRM2	1	1	1349,608855	plate 2 / well H 9	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	not identified							
TVSTSSQPEENVDR	IPI00329491	ABL5	2	3&5	1707,638935	plate 2 / well H10	MALDI_Orbitrap_Thermo_Bremen.txt	F037011.dat	no MS/MS spectrum							

Table S4: Waters Synapt G2 QTOF

phospopeptide sequence	IPI acc. No.	protein	# of sites in peptide	modified position in peptide	neutral mass	position in 96-well-plate	search file	Mascot Search log	P-site localization	1st score	assigned amino acid	2nd score	assigned amino acid	3rd score	4th score	Mascot delta score
ADENYYK	IPI00018597	SYK	1	5	981,348055	plate 1 / well A 1	Plate1_A1.pkl	F038391.dat	correct	41,4		22,9	Y6			18,5
GHLSEGLVTK	IPI00003431	MAPK6	1	4	1119,532485	plate 1 / well A 2	Plate1_A2.pkl	F038393.dat	correct	69,7		23,5	T9			46,2
LMTGDTYTAHAGAK	IPI00329488	ABL2	1	7	1515,642845	plate 1 / well A 3	Plate1_A3.pkl	F038395.dat	correct	53,3		48,3	T3	43,9 (T8)	42,1 (T6)	5
SEGSPVLPHEPAK	IPI00145805	TNIK	1	4	1426,649295	plate 1 / well A 4	Plate1_A4_tof.pkl	F038397.dat	correct	71,8		56,8	S1			15
SSSPTQYGLTK	IPI00329638	ZAK	1	1	1247,543465	plate 1 / well A 5	Plate1_A5_tof.pkl	F038399.dat	correct	87,9		70,6	S2	69,4 (S3)	63,6 (T5)	17,3
VQTTPPPAVQGQK	IPI00298978	AAK1	1	4	1429,696595	plate 1 / well A 6	Plate1_A6_tof.pkl	F038401.dat	correct	65,7		62,9	T3			2,8
YSLTVAVK	IPI00216969	ABL1	1	1	959,472855	plate 1 / well A 7	Plate1_A7.pkl	F038403.dat	unassigned	26	S2	26				0
LPLTRSHNNFVAILDLPEGEHQYK	IPI00220409	PRKAB1	1	6	2870,411565	plate 1 / well A 8	Plate1_A8.pkl	F038405.dat	correct	64,8		62,5	T4	23,7 (Y22)		2,3
ETTTSPKKYYLAEK	IPI00000878	TEC	1	5	1737,822585	plate 1 / well A 9	Plate1_A9.pkl	F038407.dat	correct	35,2		31,6	T4	31,6 (T3)	31,6 (T2)	3,6
PTTGVILPSGNTLRVK	IPI00465017	DKFZP781A0295	2	2&3	1811,894675	plate 1 / well A10	Plate1_A10.pkl	F038409.dat	not identified							
AYTHQVVTR	IPI00000685	CDK7	1	3	1153,528085	plate 1 / well A11	Plate1_A11.pkl	F037643.dat	correct	45,2		14,9	T8	13,1 (Y2)		30,3
IQPAGNTSPR	IPI00027729	CSNK1E	1	8	1119,507345	plate 1 / well A12	Plate1_A12_tof.pkl	F038411.dat	correct	21,5		18,5	T7			3
ADENYYK	IPI00018597	SYK	1	6	981,348055	plate 1 / well B 1	Plate1_B1.pkl	F038414.dat	correct	31,1		18,9	Y5			12,2
GQEYLILEK	IPI00000878	TEC	1	4	1171,552555	plate 1 / well B 2	Plate1_B2.pkl	F038416.dat	correct	46,2						46,2
LMTGDTYTAHAGAK	IPI00329488	ABL2	2	6&7	1595,609145	plate 1 / well B 3	Plate1_B3.pkl	F037645.dat	correct	54,6		42,4	Y7T8	36,1 (T3Y7)	19,6 (T3T6)	12,2
SESPPPLSDPK	IPI00014266	BRD3	1	3	1232,532545	plate 1 / well B 4	Plate1_B4_tof.pkl	F038418.dat	correct	42		31	S1	22,9 (S8)		11
SSSPTQYGLTK	IPI00329638	ZAK	1	2	1247,543465	plate 1 / well B 5	Plate1_B5.pkl	F038420.dat	correct	45,7		45	S3	44,1 (S1)	44,1 (T5)	0,7
VQTTPPPAVQGQK	IPI00298977	AAK1	1	3	1429,696595	plate 1 / well B 6	Plate1_B6.pkl	F037646.dat	correct	62,6		54,3	T4			8,3
AGGKPSQSPSQEAAGEAVLGAK	IPI00216969	ABL1	1	6	2118,994595	plate 1 / well B 7	Plate1_B7.pkl	F037647.dat	correct	113,7		112,2	S8	111,3 (S10)		1,5
NIDQSEFEGFSFVNSEFLKPEVK	IPI00219628	PRKCB1	1	11	2769,257415	plate 1 / well B 8			no MS/MS spectrum							
EVGDYGQLHETEVLLK	IPI00031016	jaK2	1	5	1908,886955	plate 1 / well B 9	Plate1_B9.pkl	F037648.dat	correct	28,6		24,1	T11			4,5
RSPRPDHPGTPPHK	IPI00025830	WEE1	1	2	1657,783775	plate 1 / well B10	Plate1_B10.pkl	F038718.dat	correct	36,4		31,2	T10			5,2
DGSLNQSSGYR	IPI00219012	FYN	1	10	1262,492825	plate 1 / well B11	Plate1_B11.pkl	F038422.dat	correct	50,2		50,1	S8	46,5 (S7)	29,1 (S3)	0,1
LIEDNEYTAR	IPI00219012	FYN	1	7	1302,549265	plate 1 / well B12	Plate1_B12_Tof.pkl	F038424.dat	correct	44,5		38,6	T8			5,9
AVGMPSPVSPK	IPI00004344	AFF4	1	9	1148,530045	plate 1 / well C 1	Plate1_C1_tof.pkl	F038426.dat	correct	72,1		56,9	S6			15,2
HSIAGIIRSPK	IPI00029263	FER	1	9	1257,659415	plate 1 / well C 2	Plate1_C2_tof.pkl	F038428.dat	correct	58,8		36,4	S2			22,4
LQTVHSIPLTINK	IPI00004497	BCR	1	3	1542,817045	plate 1 / well C 3	Plate1_C3.pkl	F037650.dat	correct	73,2		57,2	S6	42,3	T10	16
SQSTSEQEK	IPI00004497	BCR	1	1	1102,417935	plate 1 / well C 4	Plate1_C4.pkl	F038430.dat	correct	61,5		50,8	S3	38,4 (T4)	35,9 (S5)	10,7
STLVLHDLLK	IPI00004497	BCR	1	2	1217,642035	plate 1 / well C 5	Plate1_C5.pkl	F038432.dat	false	46,6	S1	45,5				1,1
WTAPESLAYNK	IPI00216969	ABL1	1	9	1358,590735	plate 1 / well C 6	Plate1_C6.pkl	F038434.dat	correct	56,6		12	T2	10,8 (S6)		44,6
AGGKPSQSPSQEAAGEAVLGAK	IPI00216969	ABL1	1	8	2118,994595	plate 1 / well C 7	Plate1_C7.pkl	F037651.dat	correct	134,3		115,9	S10	106,4 (S6)		18,4
SEVAVLSPEKAENDDTYKDDVNHNQK	IPI00012318	MAP3K1	1	7	3024,334895	plate 1 / well C 8	Plate1_C8.pkl	F038716.dat	false	124,5	T16	119,5		85,7 (S1)	24,9 (Y17)	5
FSDQAGPAIPTSNSYSK	IPI00041176	MARK2	1	15	1848,793075	plate 1 / well C 9	Plate1_C9.pkl	F038714.dat	correct	98,8		84	S16	81,4 (S14)	53 (S12)	14,8
TGMGSGSAGKEGGPFK	IPI00465142	KIAA0528	1	5	1546,648645	plate 1 / well C10	Plate1_C10.pkl	F037654.dat	correct	117		101,4	S7	73,7 (T1)		15,6
DIYSTDYYR	IPI00025076	NTRK1	1	7	1274,485615	plate 1 / well C11	Plate1_C11.pkl	F038436.dat	correct	60,4		44,8	Y8	39,7 (T5)	26,6 (S4)	15,6
LSYYEYDFER	IPI00029132	BTK	1	4	1463,564585	plate 1 / well C12	Plate1_C12.pkl	F037655.dat	correct	62,5		48,1	Y3	44,0 (S2)		14,4
DKSPSSLLEDAK	IPI00329488	ABL2	1	3	1368,617335	plate 1 / well D 1	Plate1_D1.pkl	F038440.dat	correct	95		76	S5	74,9 (S6)		19
IGEGTYGVVYK	IPI00026689	CDC2	2	5&6	1344,540315	plate 1 / well D 2	Plate1_D2.pkl	F038442.dat	correct	71,1		14,6	T5Y10			56,5
LQTVHSIPLTINK	IPI00004497	BCR	1	6	1542,817045	plate 1 / well D 3	Plate1_D3.pkl	F037656.dat	correct	67,2		65,3	T3	43,9 (T10)		1,9
SSSFREMENQPHK	IPI00329488	ABL2	1	3	1655,676285	plate 1 / well D 4	Plate1_D4.pkl	F037657.dat	correct	45,1		43,8	S2	43,8 (S1)		1,3
STLVLHDLLK	IPI00004497	BCR	1	1	1217,642035	plate 1 / well D 5	Plate1_D5.pkl	F038444.dat	correct	65,7		54,3	T2			11,4
YIEDEDYYK	IPI00029702	PTK2B	1	7	1316,484935	plate 1 / well D 6	Plate1_D6.pkl	F037658.dat	correct	28,6		21,2	Y8			7,4
AGGKPSQSPSQEAAGEAVLGAK	IPI00216969	ABL1	1	10	2118,994595	plate 1 / well D 7	Plate1_D7.pkl	F037659.dat	correct	127,9		112,6	S8	102,8 (S6)		15,3
TSSFAEPGGGGGGGGGGPGGSASGPGGTGGGK	IPI00292228	GSK3A	2	2&3	2591,991385	plate 1 / well D 8	Plate1_D8.pkl	F037660.dat	unassigned	181,8		181,8	T1S3	165,3 (T1S2)		0
FSDQAGPAIPTSNSYSK	IPI00041176	MARK2	1	16	1848,793075	plate 1 / well D 9	Plate1_D9.pkl	F038712.dat	correct	119,1		90,8	S14	65,5 (S12)	52,3 (T11)	28,3
TGMGSGSAGKEGGPFK	IPI00465142	KIAA0528	1	7	1546,648645	plate 1 / well D10	Plate1_D10.pkl	F037662.dat	correct	104,8		86,9	S5	54,4 (T1)		17,9
EDAANNYAR	IPI00387144	TUBA6	1	7	1102,408025	plate 1 / well D11	Plate1_D11.pkl	F038710.dat	correct	42						42
MMSLSQSR	IPI00021917	RIPK2	1	5	1018,397685	plate 1 / well D12	Plate1_D12.pkl	F038708.dat	correct	52,4		28	S7	26,5 (S3)		24,4
ESKSSPRPTAEK	IPI00004344	AFF4	1	4	1395,639475	plate 1 / well E 1	Plate1_E1.pkl	F038446.dat	correct	35,9		32	S5	28,9 (S2)	14,2 (T9)	3,9
IKSYSFPK	IPI00018597	SYK	1	4	1048,499405	plate 1 / well E 2	Plate1_E2.pkl	F038448.dat	not identified							
NFSAAKSLLNK	IPI00216378	CAMK2G	1	7	1271,627455	plate 1 / well E 3	Plate1_E3.pkl	F038450.dat	correct	69,4		51,5	S3			17,9
SSSFREMENQPHK	IPI00329488	ABL2	1	2	1655,676285	plate 1 / well E 4	Plate1_E4.pkl	F037667.dat	correct	38,4		37,4	S1	37,4 (S3)		1
SVTSMERK	IPI00029263	FER	1	4	1016,436165	plate 1 / well E 5	Plate1_E5.pkl	F038452.dat	not identified							
YIEDEDYYK	IPI00029702	PTK2B	1	8	1316,484935	plate 1 / well E 6	Plate1_E6_tof.pkl	F038454.dat	correct	62,6		47,1	Y7			15,5
EALPMDTEVYESPYADPEEIRPK	IPI00018597	SYK	1	10	2758,208415	plate 1 / well E 7	Plate1_E7.pkl	F038456.dat	false	48,4	T7	41,1		32,9 (S12)	24,4 (Y14)	7,3
ATSPEAGGGGGALK	IPI00012318	MAP3K1	1	3	1251,549575	plate 1 / well E 8	Plate1_E8.pkl	F038458.dat	correct	80,9		64,7	T2			16,2
GRGSRDALVSGALESTK	IPI00004497	BCR	1	4	1782,862475	plate 1 / well E 9	Plate1_E9.pkl	F037668.dat	correct	53,9		35,6	S10	23 (T11)	23 (S10)	18,3
YVLDDEYTSSVGSK	IPI00029132	BTK	1	7	1641,681065	plate 1 / well E10	Plate1_E10.pkl	F037669.dat	correct	84,4		65,3	T8	50,0 (S9)	36,4 (S10)	19,1
FGSLTMDGGLR	IPI00293613	TBK1	1	3	1232,526025	plate 1 / well E11	Plate1_E11.pkl	F037670.dat	correct	29,2		12,9	T5			16,3
MMSLSQSR	IPI00021917	RIPK2	1	3	1018,397685	plate 1 / well E12	Plate1_E12.pkl	F038460.dat	correct	42,8		34,9	S5			7,9
FGESDTENQNNK	IPI00328149	EIF2AK1	1	4	1461,540895	plate 1 / well F 1	Plate1_F1.pkl	F037671.dat	correct	27		18,3	T6			8,7
KTSPLNFK	IPI00029132	BTK	1	3	1013,494655	plate 1 / well F 2	Plate1_F2.pkl	F038462.dat	correct	45		42,5	T2			2,5
RLSSFVTK	IPI00301263	CAD	1	3	1016,505555	plate 1 / well F 3	Plate1_F3.pkl	F038464.dat	correct	39,2		31,6	S4	31,6 (T7)		7,6
SSSFREMENQPHK	IPI00329488	ABL2	1	1	1655,676285	plate 1 / well F 4	Plate1_F4.pkl	F037672.dat	correct	45		42,2	S3	36,6 (S2)		2,8
TIYVRDPTSNK	IPI00298625	LYN	1	3	1372,638755	plate 1 / well F 5	Plate1_F5.pkl	F037673.dat	correct	22,8		14,9	T1			7,9
YMEDSTYYK	IPI00413961	PTK2	1	7	1278,451545	plate 1 / well F 6	Plate1_F6.pkl	F038466.dat	correct	46,6		34,8	Y8	33,2 (T6)	28,8 (S5)	11,8
EALPMDTEVYESPYADPEEIRPK	IPI00018597	SYK	1	14	2758,208415	plate 1 / well F 7	Plate1_F7.pkl	F038468.dat	false	54,2	S12	52	T7	33,1	18,9 (Y10)	21,1
ETTTSPKKYYLAEK	IPI00000878	TEC	1	2	1737,822585	plate 1 / well F 8	Plate1_F8.pkl	F037689.dat	correct	55,7		53,1	T3	46,2 (T4)	38,2 (S5)	2,6

ILSDVTHSAVFGVPASK	IPI00298977	AAK1	1	3	1806,891645	plate 1 / well F 9	Plate1_F9.pkl	F037691.dat	correct	85		54,1	T6	35,2 (S8)	21,0 (S16)	30,9
YVLDDQYTSSSGAK	IPI00000878	TEC	1	7	1612,665755	plate 1 / well F10	Plate1_F10.pkl	F037692.dat	correct	88,1		68,3	T8	52,4 (S9)	40,6 (S10)	19,8
GLPSDYGR	IPI00016932	SHIP2	1	6	943,380015	plate 1 / well F11	Plate1_F11.pkl	F038470.dat	not identified							
MPSHEAR	IPI00221141	MAPK14	1	3	906,341865	plate 1 / well F12	Plate1_F12.pkl	F038472.dat	correct	36,9						36,9
FGESDTENQNNK	IPI00328149	EIF2AK1	1	6	1461,540895	plate 1 / well G 1	Plate1_G1.pkl	F037693.dat	correct	37,6		23,2	S4			14,4
KYSLTVAVK	IPI00329488	ABL2	1	2	1087,567815	plate 1 / well G 2	Plate1_G2.pkl	F038474.dat	correct	47,1		29,8	S3	18,1 (T5)		17,3
RSMSPFRGPK	IPI00384765	PKMYT1	1	4	1241,573985	plate 1 / well G 3	Plate1_G3.pkl	F037694.dat	correct	27		16,6	S2			10,4
SSSPTQYGLTK	IPI00329638	ZAK	1	3	1247,543465	plate 1 / well G 4	Plate1_G4.pkl	F038617.dat	correct	54,6		47,3	T5			7,3
TSPLNFK	IPI00029132	BTK	1	1	885,399695	plate 1 / well G 5	Plate1_G5_tof.pkl	F038477.dat	correct	29,9		21	S2			8,9
YMEDSTYYK	IPI00413961	PTK2	1	8	1278,451545	plate 1 / well G 6	Plate1_G6.pkl	F037697.dat	correct	29,2		16,6	Y7	5,8 (T6)		12,6
EALPMDTEVYESPYADPEEIRPK	IPI00018597	SYK	2	10&14	2838,174715	plate 1 / well G 7			no MS/MS spectrum							
ETTTSPKKYYLAEK	IPI00000878	TEC	1	3	1737,822585	plate 1 / well G 8	plate1_G8.pkl	F037698.dat	correct	60,5		50,6		49,8 (T4)	40,1 (S5)	9,9
ILSDVTHSAVFGVPASK	IPI00298977	AAK1	1	6	1806,891645	plate 1 / well G 9	Plate1_G9.pkl	F037698.dat	correct	94,8		79,8	S8	65,2 (S3)	45,4 (S16)	15
ALQKSPGPQR	IPI00303797	BRAF	1	5	1160,570275	plate 1 / well G10	Plate1_G10.pkl	F037698.dat	correct	17,9						17,9
GTVTPPPR	IPI00216969	ABL1	1	4	903,421485	plate 1 / well G11	Plate1_G11.pkl	F038479.dat	correct	37,6		18,3	T2			19,3
NGSLKPGSSHR	IPI00029132	BTK	1	8	1218,550605	plate 1 / well G12	Plate1_G12.pkl	F038481.dat	correct	66,2		60,7	S9	58,5 (S3)		5,5
GGFFSSFMK	IPI00329488	ABL2	1	6	1086,424525	plate 1 / well H 1	Plate1_H1_tof.pkl	F038483.dat	correct	42,8		32	S5			10,8
LMTGDTYTAHAGAK	IPI00329488	ABL2	1	6	1515,642845	plate 1 / well H 2	Plate1_H2.pkl	F037701.dat	correct	71,9		61,1	T3	44,4 (T8)	28,7 (Y7)	10,8
SDGGVKPQSNNK	IPI00216378	CAMK2G	1	9	1309,566315	plate 1 / well H 3	Plate1_H3_tof.pkl	F038485.dat	correct	36,2		30	S1			6,2
SSSPTQYGLTK	IPI00329638	ZAK	1	5	1247,543465	plate 1 / well H 4	Plate1_H4.pkl	F038487.dat	correct	80		57,6	S3	49,6 (T10)	44,5 (S2)	22,4
VGSLTPPSSPK	IPI00298977	AAK1	1	5	1148,547805	plate 1 / well H 5	Plate1_H5.pkl	F038489.dat	correct	67,6		60,3	S3	55,9 (S8)	46,2 (S9)	7,3
YMEDSTYYKASK	IPI00413961	PTK2	2	7&8	1644,581945	plate 1 / well H 6	Plate1_H6.pkl	F038491.dat	false	27,4	S5Y7	26,8		25,7 (S5Y8)	22,1 (T6Y8)	0,6
IPLIKSHNDFVAILDLPEGEHQYK	IPI00013905	PRKAB2	1	6	2855,425805	plate 1 / well H 7	Plate1_H7.pkl	F037702.dat	correct	107,6		1,6	Y23			106
ETTTSPKKYYLAEK	IPI00000878	TEC	1	4	1737,822585	plate 1 / well H 8	Plate1_H8.pkl	F037703.dat	correct	42,3		38,3	S5	34,6 (T3)	34,5 (T2)	4
ILSDVTHSAVFGVPASK	IPI00298977	AAK1	1	8	1806,891645	plate 1 / well H 9	Plate1_H9.pkl	F037704.dat	correct	85,9		77,3	T6	63,2 (S3)	56,9 (S16)	8,6
AQSFPDNR	IPI00181703	MAP3K3	1	3	1013,396735	plate 1 / well H10	Plate1_H10_tof.pkl	F038493.dat	correct	36,8						36,8
HSWYHGPVSR	IPI00216969	ABL1	1	4	1304,545125	plate 1 / well H11	plate1_H11.pkl	F037705.dat	correct	30		25,6	S2	14,3 (S9)		4,4
NSQPNRYTNR	IPI00552413	CDK9	1	8	1328,562255	plate 1 / well H12	Plate1_H12.pkl	F037709.dat	correct	21,7						21,7
RDSPPPPAR	IPI00014068	PAK4	1	3	1071,486205	plate 2 / well A 1	Plate2_A1.pkl	F038495.dat	correct	25						25
SRNSPLLER	IPI00555838	MARK2	1	4	1150,549545	plate 2 / well A 2	Plate2_A2.pkl	F038497.dat	correct	29,3		24	S1			5,3
TYTHEVVTLWYR	IPI00031681	CDK2	1	3	1646,749365	plate 2 / well A 3	Plate2_A3.pkl	F037710.dat	correct	44,4		33	T1	22,5 (T8)	15,5 (Y2)	11,4
DSPGIPPSAGAHQLFR	IPI00477982	RPS6KA1	1	8	1728,798415	plate 2 / well A 4	Plate2_A4.pkl	F037711.dat	correct	115,2		56,5	S2			58,7
SFNGSLKNVAVDELSR	IPI00219129	NQO2	1	5	1814,856335	plate 2 / well A 5	Plate2_A5.pkl	F037712.dat	correct	51,9		38,6	S1			13,3
GHGQPGADAEKPFYVNVEFHHER	IPI00004497	BCR	1	14	2700,186975	plate 2 / well A 6	Plate2_A6.pkl	F037713.dat	correct	31,1						31,1
SQSNPILGSPFFSHFDGQDSYAAAVR	IPI00329638	ZAK	1	3	2877,275865	plate 2 / well A 7	Plate2_A7.pkl	F037714.dat	unassigned	17,8		17,8	S1	7,4 (S9)	2,6 (S13)	0
FTNSETAEHIAQGLR	IPI00029132	BTK	1	4	1752,783175	plate 2 / well A 8	Plate2_A8.pkl	F037715.dat	correct	76,8		75,8	T6	66,4 (T2)		1
RLSSTSLASGHSVR	IPI00009334	PRKD2	1	4	1536,740925	plate 2 / well A 9	Plate2_A9.pkl	F037716.dat	correct	33,8		23,8	S3	22,4 (T5)	15,8 (S6)	10
SRTPPSAPSQSR	IPI00039689	SRRM2	1	6	1349,608855	plate 2 / well A10	Plate2_A10.pkl	F037717.dat	correct	31,9		23,4	S9	16,9 (S11)	15,7 (T3)	8,5
VSGRTSPPLLDR	IPI00039689	SRRM2	1	2	1376,681275	plate 2 / well A11	Plate2_A11.pkl	F037718.dat	false	23,8	T5	23,1	S2	21,7 (S6)		0,7
RLSIIGPTSR	IPI00513803	MAP3K2	1	3	1178,617225	plate 2 / well B 1	Plate2_B1.pkl	F037719.dat	correct	10,6		3,5	T8			7,1
SRNSPLLER	IPI00555838	MARK2	1	1	1150,549545	plate 2 / well B 2	Plate2_B2.pkl	F037720.dat	not identified							
VIEDNEYTAR	IPI00298625	LYN	1	7	1288,533615	plate 2 / well B 3	Plate2_B3.pkl	F038499.dat	correct	44,8		30,9	T8			13,9
DSPGIPPSANAHQLFR	IPI00020898	RPS6KA3	1	2	1785,819885	plate 2 / well B 4	Plate2_B4.pkl	F037723.dat	correct	95,2		47,8	S8			47,4
SNSTSSMSSGLPEQDR	IPI00329488	ABL2	1	3	1761,687645	plate 2 / well B 5	Plate2_B5.pkl	F038501.dat	correct	120,3		119,2	S1	118 (T4)	115,9 (S5)	1,1
GISRSLESVLSLGPRPTGGGSSPPEIR	IPI00022633	TNK1	2	3&5	2865,378585	plate 2 / well B 6	Plate2_B6.pkl	F038503.dat	not identified							
VKEEGYELPYNPATDDYAVPPPR	IPI00015287	DOK1	1	17	2699,215545	plate 2 / well B 7	Plate2_B7.pkl	F037724.dat	correct	115,4		111,3	T14	82,8 (Y10)	65,3 (Y6)	4,1
GRRSPSPGNSPSGR	IPI00012318	MAP3K1	1	4	1490,673905	plate 2 / well B 8	Plate2_B8.pkl	F037725.dat	false	23	S10	17,3		16,9 (S12)	15,4 (S6)	5,7
RLSSTSLASGHSVR	IPI00009334	PRKD2	2	3&4	1616,707225	plate 2 / well B 9	Plate2_B9.pkl	F038505.dat	correct	85,6		82,9	S3T5	80,3 (S3S6)	76,7 (S3S9)	2,7
SSSFREMDGQPER	IPI00216969	ABL1	1	1	1604,628995	plate 2 / well B10	Plate2_B10.pkl	F037726.dat	unassigned	21	S2	21		19,7 (S3)		0
VSGRTSPPLLDR	IPI00039689	SRRM2	1	6	1376,681275	plate 2 / well B11	Plate2_B11.pkl	F037727.dat	correct	8,7						8,7
SINEKDYHSR	IPI00028061	CLK1	1	1	1327,555755	plate 2 / well C 1	Plate2_C1.pkl	F037728.dat	correct	45,7						45,7
STFHAGQLR	IPI00555838	MARK2	1	2	1095,486215	plate 2 / well C 2	Plate2_C2_tof.pkl	F038507.dat	correct	39,5		36,9	S1			2,6
VPASPLPGLER	IPI00555838	MARK2	1	4	1214,605975	plate 2 / well C 3	Plate2_C3.pkl	F038509.dat	correct	51,3						51,3
IQPSSPPPNHPNNHLFR	IPI00657720	KIAA0999	1	4	2030,947555	plate 2 / well C 4	Plate2_C4.pkl	F037729.dat	correct	60,7		60,6	S5			0,1
SNSTSSMSSGLPEQDR	IPI00329488	ABL2	1	4	1761,687645	plate 2 / well C 5	Plate2_C5.pkl	F038703.dat	false	108,3	S5	97,7	S6	95,2	82,9 (S3)	13,1
NSFNNPAYYVLEGVPHQLLPPEPPSPAR	IPI00016932	SHIP2	1	8	3182,522565	plate 2 / well C 6	Plate2_C6.pkl	F038511.dat	unassigned	5,6	Y9	5,6	Y8	5,6 (S2)		0
VKEEGYELPYNPATDDYAVPPPR	IPI00015287	DOK1	2	6&17	2779,181845	plate 2 / well C 7	Plate2_C7.pkl	F037737.dat	correct	79		52,7	Y6T14	51,0 (T14Y17)	50,8 (Y10Y17)	26,3
GRRSPSPGNSPSGR	IPI00012318	MAP3K1	1	6	1490,673905	plate 2 / well C 8	Plate2_C8.pkl	F037739.dat	correct	23,5		19,8	S10	19,4 (S4)	18,1 (S12)	3,7
SGGQRHSPLSQR	IPI00006064	TBKBP1	1	1	1388,630985	plate 2 / well C 9	Plate2_C9.pkl	F037740.dat	false	28,7	S7	26,4	S10	24		4,7
SSSFREMDGQPER	IPI00216969	ABL1	1	2	1604,628995	plate 2 / well C10	Plate2_C10.pkl	F037741.dat	unassigned	25,7		25,7	S1	24,8 (S3)		0
YATPQVIQAPGPR	IPI00442025	TNK2	1	1	1476,712575	plate 2 / well C11	Plate2_C11.pkl	F037742.dat	correct	64,6		52	T3			12,6
SISLRYEGR	IPI00216969	ABL1	1	6	1159,538645	plate 2 / well D 1	Plate2_D1.pkl	F038513.dat	correct	17,2		10,1	S3	9,4 (S1)		7,1
STFHAGQLR	IPI00555838	MARK2	1	1	1095,486215	plate 2 / well D 2	Plate2_D2_tof.pkl	F038515.dat	correct	56,7		42,5	T2			14,2
VSPSPTTYR	IPI00004497	BCR	1	8	1086,474655	plate 2 / well D 3	Plate2_D3.pkl	F038517.dat	correct	37,6		37,5	T7	23,4 (T6)		0,1
IQPSSPPPNHPNNHLFR	IPI00657720	KIAA0999	1	5	2030,947555	plate 2 / well D 4	Plate2_D4.pkl	F038519.dat	false	42,7	S4	41,8				0,9
SNSTSSMSSGLPEQDR	IPI00329488	ABL2	1	5	1761,687645	plate 2 / well D 5	Plate2_D5.pkl	F037743.dat	correct	108,3		97,7	S6	95,2 (T4)	82,9 (S3)	10,6
NSFNNPAYYVLEGVPHQLLPPEPPSPAR	IPI00016932	SHIP2	1	9	3182,522565	plate 2 / well D 6	Plate2_D6.pkl	F038521.dat	unassigned	56,4		56,4	Y8	52,4 (S2)	23,8 (S25)	0
VKEEGYELPYNPATDDYAVPPPR	IPI00015287	DOK1	2	10&17	2779,181845	plate 2 / well D 7	Plate2_D7.pkl	F037744.dat	correct	105,3		78	Y6Y17	77,8 (Y10T14)	64,1 (T14Y17)	27,3
HTDDEMTGYVATR	IPI00002857	MAPK14	1	9	1574,607195	plate 2 / well D 8	Plate2_D8.pkl	F038523.dat	correct	65		63,3	T7	54,5 (T2)	44,5 (T12)	1,7
SGGQRHSPLSQR	IPI00006064	TBKBP1	1	7	1388,630985	plate 2 / well D 9	Plate2_D9.pkl	F037745.dat	correct	36,3		33,5	S10	14,8 (S1)		2,8
SSSFREMDGQPER	IPI00216969	ABL1	1	3	1604,628995	plate 2 / well D10	Plate2_D10.pkl	F037746.dat	correct	16,1		14,4	S2	14,4 (S1)		1,7

YIEDEDYYKASVTR	IPI00029702	PTK2B	2	7&8	1910,737575	plate 2 / well D11	Plate2_D11.pkl	F037747.dat	correct	38,6		28,6	Y1Y8	21,9 (Y7S11)	20,4 (Y8S11)	10
SLESVLSLGPR	IPI00022633	TNK1	1	1	1236,611465	plate 2 / well E 1	Plate2_E1.pkl	F038525.dat	not identified							
STGDPQGVIR	IPI00029132	BTK	1	2	1108,491355	plate 2 / well E 2	Plate2_E2.pkl	F038527.dat	correct	41,2		38,6	S1			2,6
VYELMR	IPI00329488	ABL2	1	2	889,376855	plate 2 / well E 3	Plate2_E3.pkl	F038529.dat	correct	24						24
LQPQEISPPPTANLDR	IPI00413961	PTK2	1	7	1854,887635	plate 2 / well E 4	Plate2_E4.pkl	F037748.dat	correct	58,5		48,8	T11			9,7
SNSTSSMSSGLPEQDR	IPI00329488	ABL2	1	6	1761,687645	plate 2 / well E 5	Plate2_E5.pkl	F037749.dat	unassigned	44,1		44,1	S5	44,1 (T4)	43,6 (S3)	0
NSFNNPAYYVLEGVPHQLLPPEPPSPAR	IPI00016932	SHIP2	2	8&9	3262,488865	plate 2 / well E 6	Plate2_E6.pkl	F038531.dat	false	24,6	S2Y9	24,6	S2Y8	22,6		2
ARSRTPPSAPSQSR	IPI00099730	SRRM2	2	3&8	1656,713375	plate 2 / well E 7	Plate2_E7.pkl	F038533.dat	false	39,7	T5S11	38,1	T5S13	37,4(S3S13)	21,5	18,2
ISSLGSQAMQMER	IPI00004497	BCR	1	3	1516,641485	plate 2 / well E 8	Plate2_E8.pkl	F038541.dat	correct	89,7		68,7	S2	54,9 (S6)		21
SLPAPQDNDFLSR	IPI00021917	RIPK2	1	1	1538,676585	plate 2 / well E 9	Plate2_E9.pkl	F038543.dat	correct	90,8		38,9	S12			51,9
SVTLPRDLQSTGR	IPI00216969	ABL1	1	1	1508,734775	plate 2 / well E10	Plate2_E10.pkl	F037750.dat	false	12,4	T3	11,4		9,3 (S10)	5,1 (T11)	1
SQERPTFYR	IPI00002857	MAPK14	1	1	1262,544465	plate 2 / well F 1	Plate2_F1.pkl	F037751.dat	correct	14,1		10,6	T6			3,5
STVASMMHR	IPI00169392	CAMK2G	1	1	1098,435125	plate 2 / well F 2	Plate2_F2.pkl	F038545.dat	correct	44,9		34,8	T2	13,2 (S5)		10,1
VYHYR	IPI00216969	ABL1	1	2	816,331955	plate 2 / well F 3	Plate2_F3.pkl	F038547.dat	correct	8,7						8,7
LTEERDGSLNQSSGYR	IPI00219012	FYN	1	8	1890,810855	plate 2 / well F 4	Plate2_F4.pkl	F037752.dat	correct	61,5		41,9	S12	36,3 (T2)	32,3 (S13)	19,6
SNSTSSMSSGLPEQDR	IPI00329488	ABL2	1	8	1761,687645	plate 2 / well F 5	Plate2_F5.pkl	F038549.dat	correct	122,8		102,6	S9	95,4 (S6)	82,4 (S5)	20,2
PKPSNPIYNEPDEPIAFYAMGR	IPI00220388	SH2D2A	2	8&18	2665,132405	plate 2 / well F 6			no MS/MS spectrum							
ATSLPSLDTPGELR	IPI00156649	DOK3	1	3	1535,723195	plate 2 / well F 7			no MS/MS spectrum							
LRSADSENALSVQER	IPI00181703	MAP3K3	1	3	1753,799555	plate 2 / well F 8	Plate2_F8.pkl	F038552.dat	false	87,7	S6	82,4	S11	76		11,7
SPGPSSPKEPLLFSR	IPI00022872	LIMK2	1	1	1677,812675	plate 2 / well F 9	Plate2_F9.pkl	F037753.dat	correct	87,5		85,5	S5	84,6 (S6)	30,6 (S14)	2
TAGTSFMMTPYVVTR	IPI00024672	MAPK8	1	11	1740,761595	plate 2 / well F10	Plate2_F10.pkl	F038554.dat	correct	83		70	T9	62,9 (T1)	54,3 (S5)	13
SQSDIFSR	IPI00102677	TESK2	1	1	1018,412055	plate 2 / well G 1	Plate2_G1.pkl	F038556.dat	correct	58,8		55	S3	26,7 (S7)		3,8
STVASMMHR	IPI00169392	CAMK2G	1	5	1098,435125	plate 2 / well G 2	Plate2_G2.pkl	F038558.dat	correct	41,2		21,6	T2	21,6 (S1)		19,6
VYTHEVVTLWYR	IPI00026689	CDC2	1	3	1644,770095	plate 2 / well G 3	Plate2_G3.pkl	F038560.dat	correct	73,2		45,6	T8	42,5 (Y2)		27,6
SFGSPNRAYTHQVVTR	IPI00000685	CDK7	2	4&10	1978,845115	plate 2 / well G 4	Plate2_G4.pkl	F037754.dat	correct	24,1		21,5	S4T15	17,6 (S1T10)	16,9 (S1T15)	2,6
SNSTSSMSSGLPEQDR	IPI00329488	ABL2	1	9	1761,687645	plate 2 / well G 5	Plate2_G5.pkl	F037755.dat	correct	53,6		45,8	S8	35,4 (S6)	29,5 (5)	7,8
RLEEPEEPKVLTPEEQLADKLR	IPI00290461	EIF3S1	1	12	2698,357785	plate 2 / well G 6	Plate2_G6.pkl	F038564.dat	not identified							
ATSLPSLDTPGELR	IPI00156649	DOK3	1	6	1535,723195	plate 2 / well G 7	Plate2_G7.pkl	F038566.dat	correct	101,9		93,3	T9	71,2 (S3)	58,9 (T2)	8,6
LRSADSENALSVQER	IPI00181703	MAP3K3	1	6	1753,799555	plate 2 / well G 8	Plate2_G8.pkl	F038568.dat	correct	77,5		62	S11	53,1 (S3)		15,5
SPGPSSPKEPLLFSR	IPI00022872	LIMK2	1	5	1677,812675	plate 2 / well G 9	Plate2_G9.pkl	F038568.dat	correct	102		97,5	S6	83,8 (S1)	37,0 (S14)	4,5
TVSTSSQPEENVDR	IPI00329488	ABL2	1	3	1627,672635	plate 2 / well G10	Plate2_G10.pkl	F038574.dat	correct	110,1		106,3	T4	102,8 (S5)	96,3 (T1)	3,8
SQSDIFSR	IPI00102677	TESK2	1	3	1018,412055	plate 2 / well H 1	Plate2_H1.pkl	F038572.dat	correct	49,8		42,7	S1			7,1
TAPTPPKR	IPI00216969	ABL1	1	4	946,463685	plate 2 / well H 2	Plate2_H2.pkl	F038576.dat	correct	28,6		20,9	T1			7,7
YELTGLPEQDR	IPI00375648	ABL2	1	1	1399,602025	plate 2 / well H 3	Plate2_H3.pkl	F038578.dat	false	59,9	T4	55,4	Y1			4,5
SFNGSLKNVAVDELSR	IPI00219129	NQO2	1	1	1814,856335	plate 2 / well H 4	Plate2_H4.pkl	F038581.dat	correct	148,5		114,9	S5	103,0 (S15)		33,6
THLGTGMERSPGAMER	IPI00413961	PTK2	1	1	1808,769855	plate 2 / well H 5	Plate2_H5.pkl	F038584.dat	false	31,9	T5	30,5		21,0 (S10)		1,4
RPGAAASGERDDRGPPASVAALR	IPI00004497	BCR	1	7	2356,139625	plate 2 / well H 6	Plate2_H6.pkl	F038586.dat	false	40	S18	29				11
EPPPVVNYEEDAR	IPI00029263	FER	1	8	1593,671155	plate 2 / well H 7	Plate2_H7.pkl	F038588.dat	correct	103						103
RLSSTSLASGHSVR	IPI00009334	PRKD2	1	3	1536,740925	plate 2 / well H 8	Plate2_H8.pkl	F038590.dat	false	73,8	S6	72,5	S3	72,4 (T5)	71,7 (S4)	1,3
SRTPPSAPSQSR	IPI00039689	SRRM2	1	1	1349,608855	plate 2 / well H 9	Plate2_H9.pkl	F038592.dat	false	32,4	S9	31	S11	25 (S6)	13,6	18,8
TVSTSSQPEENVDR	IPI00329491	ABL5	2	3&5	1707,638935	plate 2 / well H10	Plate2_H10.pkl	F038594.dat	unassigned	90,7		90,7	S3T4	83,7 (S3S6)	78,2 (T1S6)	0

Table S5: Waters Synapt G2 QTOF (50 ppm/0.1 Da tolerance)

phospopeptide sequence	IPI acc. No.	protein	# of sites in peptide	modified position in peptide	neutral mass	position in 96-well-plate	search file	Mascot Search log	P-site localization	1st score	assigned amino acid	2nd score	assigned amino acid	3rd score	4th score	Mascot delta score
ADENYYK	IPI00018597	SYK	1	5	981,348055	plate 1 / well A 1	Plate1_A1.pkl	F038392.dat	correct	41,9		23,3	Y6			18,6
GHLSEGLVTK	IPI00003431	MAPK6	1	4	1119,532485	plate 1 / well A 2	Plate1_A2.pkl	F038394.dat	correct	70,5		23,9				46,6
LMTGDTYTAHAGAK	IPI00329488	ABL2	1	7	1515,642845	plate 1 / well A 3	Plate1_A3.pkl	F038396.dat	correct	54,1		48,1	T3	44,6 (T8)	42,8 (T6)	6
SEGSPVLPHEPAK	IPI00145805	TNIK	1	4	1426,649295	plate 1 / well A 4	Plate1_A4_tof.pkl	F038398.dat	correct	72,7		55,7	S1			17
SSSPTQYGLTK	IPI00329638	ZAK	1	1	1247,543465	plate 1 / well A 5	Plate1_A5_tof.pkl	F038400.dat	correct	88,7		71,3	S2	69,4 (S3)	64,3 (T5)	17,4
VQTTPPPAVQGQK	IPI00298978	AAK1	1	4	1429,696595	plate 1 / well A 6	Plate1_A6_tof.pkl	F038402.dat	correct	66		61,7	T3			4,3
YSLTVAVK	IPI00216969	ABL1	1	1	959,472855	plate 1 / well A 7	Plate1_A7.pkl	F038404.dat	unassigned	25,4	S2	25,4				0
LPLTRSHNNFVAILDLPEGEHQYK	IPI00220409	PRKAB1	1	6	2870,411565	plate 1 / well A 8	Plate1_A8.pkl	F038406.dat	correct	63,6		62	T4	25,4 (Y22)		1,6
ETTTSPKKYYLAEK	IPI00000878	TEC	1	5	1737,822585	plate 1 / well A 9	Plate1_A9.pkl	F038408.dat	correct	35,9		32,1	T4	32,1 (T3)	32,1 (T2)	3,8
PTTGVILPSGNTLRVK	IPI00465017	DKFZP781A0295	2	2&3	1811,894675	plate 1 / well A10	Plate1_A10.pkl	F038410.dat	not identified							
AYTHQVVTR	IPI00000685	CDK7	1	3	1153,528085	plate 1 / well A11	Plate1_A11.pkl	F038249.dat	correct	45,9		14,8	T8			31,1
IQPAGNTSPR	IPI00027729	CSNK1E	1	8	1119,507345	plate 1 / well A12	Plate1_A12_tof.pkl	F038412.dat	correct	25,7		18,9	T7			6,8
ADENYYK	IPI00018597	SYK	1	6	981,348055	plate 1 / well B 1	Plate1_B1.pkl	F038415.dat	correct	31,6		19,3	Y5			12,3
GQEYLILEK	IPI00000878	TEC	1	4	1171,552555	plate 1 / well B 2	Plate1_B2.pkl	F038417.dat	not identified							
LMTGDTYTAHAGAK	IPI00329488	ABL2	2	6&7	1595,609145	plate 1 / well B 3	Plate1_B3.pkl	F038247.dat	correct	55,2		43,1	Y7T8			12,1
SESPPPLSDPK	IPI00014266	BRD3	1	3	1232,532545	plate 1 / well B 4	Plate1_B4_tof.pkl	F038419.dat	correct	42,6		31,5	S1	27,9 (S8)		11,1
SSSPTQYGLTK	IPI00329638	ZAK	1	2	1247,543465	plate 1 / well B 5	Plate1_B5.pkl	F038421.dat	correct	46,5		45,7	S3	44,8 (S1)	34,8 (T5)	0,8
VQTTPPPAVQGQK	IPI00298977	AAK1	1	3	1429,696595	plate 1 / well B 6	Plate1_B6.pkl	F038246.dat	correct	63,5		55,1	T4			8,4
AGGKPSQSPSQEAAGEAVLGAK	IPI00216969	ABL1	1	6	2118,994595	plate 1 / well B 7	Plate1_B7.pkl	F038245.dat	correct	115,2		113,6	S9			1,6
NIDQSEFEGFSFVNSEFLKPEVK	IPI00219628	PRKCB1	1	11	2769,257415	plate 1 / well B 8			no MS/MS Spectrum							
EVGDYGQLHETEVLLK	IPI00031016	JaK2	1	5	1908,886955	plate 1 / well B 9	Plate1_B9.pkl	F038244.dat	correct	26,9		22,9	T11			4
RSPRPDHPGTPPHK	IPI00025830	WEE1	1	2	1657,783775	plate 1 / well B10	Plate1_B10.pkl	F038697.dat	correct	37		31,9	T10			5,1
DGSLNQSSGYR	IPI00219012	FYN	1	10	1262,492825	plate 1 / well B11	Plate1_B11.pkl	F038423.dat	correct	51,4		50,9	S8	47,2 (S7)	33,4 (S3)	0,5
LIEDNEYTAR	IPI00219012	FYN	1	7	1302,549265	plate 1 / well B12	Plate1_B12_tof.pkl	F038425.dat	unassigned	45,2		45,2	T8			0
AVGMPSPVSPK	IPI00004344	AFF4	1	9	1148,530045	plate 1 / well C 1	Plate1_C1_tof.pkl	F038427.dat	correct	73		57,6	S6			15,4
HSIAGIIRSPK	IPI00029263	FER	1	9	1257,659415	plate 1 / well C 2	Plate1_C2_tof.pkl	F038429.dat	correct	59,6		40,6	S2			19
LQTVHSIPLTINK	IPI00004497	BCR	1	3	1542,817045	plate 1 / well C 3	Plate1_C3.pkl	F038260.dat	correct	73,9		57,9	S6			16
SQSTSEQEK	IPI00004497	BCR	1	1	1102,417935	plate 1 / well C 4	Plate1_C4.pkl	F038431.dat	correct	62,1		51,4	S3			10,7
STLVLHDLLK	IPI00004497	BCR	1	2	1217,642035	plate 1 / well C 5	Plate1_C5.pkl	F038433.dat	false	46,1	S1	45,1				1
WTAPESLAYNK	IPI00216969	ABL1	1	9	1358,590735	plate 1 / well C 6	Plate1_C6.pkl	F038435.dat	correct	56,3		16,4	S6			39,9
AGGKPSQSPSQEAAGEAVLGAK	IPI00216969	ABL1	1	8	2118,994595	plate 1 / well C 7	Plate1_C7.pkl	F038259.dat	correct	134,6		111,9	S10			22,7
SEVAVLSPEKAENDDTYKDDVNHNQK	IPI00012318	MAP3K1	1	7	3024,334895	plate 1 / well C 8	Plate1_C8.pkl	F038717.dat	false	126	T17	121,2				4,8
FSDQAGPAIPTSNSYSK	IPI00041176	MARK2	1	15	1848,793075	plate 1 / well C 9	Plate1_C9.pkl	F038715.dat	correct	100,1		85,1	S16			15
TGMGSGSAGKEGGPFK	IPI00465142	KIAA0528	1	5	1546,648645	plate 1 / well C10	Plate1_C10.pkl	F038256.dat	correct	116,6		101,5	S7			15,1
DIYSTDYYR	IPI00025076	NTRK1	1	7	1274,485615	plate 1 / well C11	Plate1_C11.pkl	F038439.dat	correct	66		49,5	Y8			16,5
LSYYEYDFER	IPI00029132	BTK	1	4	1463,564585	plate 1 / well C12	Plate1_C12.pkl	F038255.dat	correct	63,3		48,4	Y3			14,9
DKSPSSLLEDAK	IPI00329488	ABL2	1	3	1368,617335	plate 1 / well D 1	Plate1_D1.pkl	F038441.dat	correct	96		77	S5	75,9 (S6)		19
IGEGTYGVVYK	IPI00026689	CDC2	2	5&6	1344,540315	plate 1 / well D 2	Plate1_D2.pkl	F038443.dat	correct	72		15	T5Y10			57
LQTVHSIPLTINK	IPI00004497	BCR	1	6	1542,817045	plate 1 / well D 3	Plate1_D3.pkl	F038254.dat	correct	68,1		66,2	T3			1,9
SSSFREMENQPHK	IPI00329488	ABL2	1	3	1655,676285	plate 1 / well D 4	Plate1_D4.pkl	F038253.dat	correct	45,9		44,5	S2	44,5 (S1)		1,4
STLVLHDLLK	IPI00004497	BCR	1	1	1217,642035	plate 1 / well D 5	Plate1_D5.pkl	F038445.dat	correct	66,5		54,9	T2			11,6
YIEDEDYYK	IPI00029702	PTK2B	1	7	1316,484935	plate 1 / well D 6	Plate1_D6.pkl	F038251.dat	correct	30,2		20,2	Y8			10
AGGKPSQSPSQEAAGEAVLGAK	IPI00216969	ABL1	1	10	2118,994595	plate 1 / well D 7	Plate1_D7.pkl	F038250.dat	correct	126,1		112,5	S8			13,6
TSSFAEPGGGGGGGGGGPGGSASGPGGTGGG	IPI00292228	GSK3A	2	2&3	2591,991385	plate 1 / well D 8	Plate1_D8.pkl	F038270.dat	unassigned	183,7		183,7	T1S3			0
FSDQAGPAIPTSNSYSK	IPI00041176	MARK2	1	16	1848,793075	plate 1 / well D 9	Plate1_D9.pkl	F038713.dat	correct	120,3		91,8	S14			28,5
TGMGSGSAGKEGGPFK	IPI00465142	KIAA0528	1	7	1546,648645	plate 1 / well D10	Plate1_D10.pkl	F038268.dat	correct	105,9		87,9	S5			18
EDAANNYAR	IPI00387144	TUBA6	1	7	1102,408025	plate 1 / well D11	Plate1_D11.pkl	F038711.dat	correct	42,7						42,7
MMSLSQSR	IPI00021917	RIPK2	1	5	1018,397685	plate 1 / well D12	Plate1_D12.pkl	F038709.dat	correct	53		28,4	S7			24,6
ESKSSPRPTAEK	IPI00004344	AFF4	1	4	1395,639475	plate 1 / well E 1	Plate1_E1.pkl	F038447.dat	correct	36		32	S5	28,9 (S2)	20,9 (T9)	4
IKSYSFPK	IPI00018597	SYK	1	4	1048,499405	plate 1 / well E 2	Plate1_E2.pkl	F038449.dat	not identified							
NFSAAKSLLNK	IPI00216378	CAMK2G	1	7	1271,627455	plate 1 / well E 3	Plate1_E3.pkl	F038451.dat	correct	70,3		57,6	S3			12,7
SSSFREMENQPHK	IPI00329488	ABL2	1	2	1655,676285	plate 1 / well E 4	Plate1_E4.pkl	F038263.dat	correct	39,1		38,1	S1/S3			1
SVTSMERK	IPI00029263	FER	1	4	1016,436165	plate 1 / well E 5	Plate1_E5.pkl	F038453.dat	not identified							
YIEDEDYYK	IPI00029702	PTK2B	1	8	1316,484935	plate 1 / well E 6	Plate1_E6_tof.pkl	F038455.dat	correct	63,4		47,7	Y7			15,7
EALPMDTEVYESPYADPEEIRPK	IPI00018597	SYK	1	10	2758,208415	plate 1 / well E 7	Plate1_E7.pkl	F038457.dat	correct	42		40,5	T7			1,5
ATSPEAGGGGGALK	IPI00012318	MAP3K1	1	3	1251,549575	plate 1 / well E 8	Plate1_E8.pkl	F038459.dat	correct	81,9		64,7	T2			17,2
GRGSRDALVSGALESTK	IPI00004497	BCR	1	4	1782,862475	plate 1 / well E 9	Plate1_E9.pkl	F038264.dat	correct	46		34,7	S10			11,3
YVLDDEYTSSVGSK	IPI00029132	BTK	1	7	1641,681065	plate 1 / well E10	Plate1_E10.pkl	F038262.dat	correct	87,1		66,1	T8			21
FGSLTMDGGLR	IPI00293613	TBK1	1	3	1232,526025	plate 1 / well E11	Plate1_E11.pkl	F038280.dat	correct	31,1		15,9	T5			15,2
MMSLSQSR	IPI00021917	RIPK2	1	3	1018,397685	plate 1 / well E12	Plate1_E12.pkl	F038461.dat	correct	47,6		36,9	S5			10,7
FGESDTENQNNK	IPI00328149	EIF2AK1	1	4	1461,540895	plate 1 / well F 1	Plate1_F1.pkl	F038279.dat	correct	26,3		17,7	T6			8,6
KTSPLNFK	IPI00029132	BTK	1	3	1013,494655	plate 1 / well F 2	Plate1_F2.pkl	F038463.dat	correct	51		43,1	T2			7,9
RLSSFVTK	IPI00301263	CAD	1	3	1016,505555	plate 1 / well F 3	Plate1:F3.pkl	F038465.dat	correct	39,8		32,9	S4			6,9
SSSFREMENQPHK	IPI00329488	ABL2	1	1	1655,676285	plate 1 / well F 4	Plate1_F4.pkl	F038277.dat	correct	45,8		42,9	S3			2,9
TIYVRDPTSNK	IPI00298625	LYN	1	3	1372,638755	plate 1 / well F 5	Plate1_F5.pkl	F038278.dat	correct	19,9		12,2	T1			7,7
YMEDSTYYK	IPI00413961	PTK2	1	7	1278,451545	plate 1 / well F 6	Plate1_F6.pkl	F039467.dat	correct	49,1		35,2	Y8			13,9
EALPMDTEVYESPYADPEEIRPK	IPI00018597	SYK	1	14	2758,208415	plate 1 / well F 7	Plate1_F7.pkl	F038469.dat	false	55,1	T7	55	S12	33,8		21,3

ETTTSPKKYYLAEK	IPI00000878	TEC	1	2	1737,822585	plate 1 / well F 8	Plate1_F8.pkl	F038281.dat	correct	56,5		54	T3			2,5
ILSDVTHSAVFGVPASK	IPI00298977	AAK1	1	3	1806,891645	plate 1 / well F 9	Plate1_F9.pkl	F038282.dat	correct	73,1		54,9	T6			18,2
YVLDDQYTSSSGAK	IPI00000878	TEC	1	7	1612,665755	plate 1 / well F10	Plate1_F10.pkl	F038283.dat	correct	87,6		67,9	T8			19,7
GLPSDYGR	IPI00016932	SHIP2	1	6	943,380015	plate 1 / well F11	Plate1_F11.pkl	F038471.dat	not identified							
MPSHEAR	IPI00221141	MAPK14	1	3	906,341865	plate 1 / well F12	Plate1_F12.pkl	F038473.dat	correct	37,4						37,4
FGESDTENQNNK	IPI00328149	EIF2AK1	1	6	1461,540895	plate 1 / well G 1	Plate1_G1.pkl	F038284.dat	correct	37,1		23,7	S4			13,4
KYSLTVAVK	IPI00329488	ABL2	1	2	1087,567815	plate 1 / well G 2	Plate1_G2.pkl	F038475.dat	correct	47,5		32,6	S3			14,9
RSMSPFRGPK	IPI00384765	PKMYT1	1	4	1241,573985	plate 1 / well G 3	Plate1_G3.pkl	F038285.dat	correct	27,5		17	S2			10,5
SSSPTQYGLTK	IPI00329638	ZAK	1	3	1247,543465	plate 1 / well G 4	Plate1_G4.pkl	F038286.dat	not identified							
TSPLNFK	IPI00029132	BTK	1	1	885,399695	plate 1 / well G 5	Plate1_G5_tof.pkl	F038478.dat	correct	28,1		19,5	S2			8,6
YMEDSTYYK	IPI00413961	PTK2	1	8	1278,451545	plate 1 / well G 6	Plate1_G6.pkl	F038287.dat	correct	29,6		17	Y7			12,6
EALPMDTEVYESPYADPEEIRPK	IPI00018597	SYK	2	10&14	2838,174715	plate 1 / well G 7			no MS/MS Spectrum							
ETTTSPKKYYLAEK	IPI00000878	TEC	1	3	1737,822585	plate 1 / well G 8	plate1_G8.pkl	F038288.dat	correct	61,5		51,4	T2			10,1
ILSDVTHSAVFGVPASK	IPI00298977	AAK1	1	6	1806,891645	plate 1 / well G 9	Plate1_G9.pkl	F038289.dat	correct	96		80,9	S8			15,1
ALQKSPGPQR	IPI00303797	BRAF	1	5	1160,570275	plate 1 / well G10	Plate1_G10.pkl	F038691.dat	correct	17,8						17,8
GTVTPPPR	IPI00216969	ABL1	1	4	903,421485	plate 1 / well G11	Plate1_G11.pkl	F038480.dat	correct	38,4		18,8	T2			19,6
NGSLKPGSSHR	IPI00029132	BTK	1	8	1218,550605	plate 1 / well G12	Plate1_G12.pkl	F038482.dat	correct	67		61,5	S9			5,5
GGFFSSFMK	IPI00329488	ABL2	1	6	1086,424525	plate 1 / well H 1	Plate1_H1_tof.pkl	F038484.dat	correct	42,3		31,6	S5			10,7
LMTGDTYTAHAGAK	IPI00329488	ABL2	1	6	1515,642845	plate 1 / well H 2	Plate1_H2.pkl	F038690.dat	correct	72,8		62	T3			10,8
SDGGVKPQSNNK	IPI00216378	CAMK2G	1	9	1309,566315	plate 1 / well H 3	Plate1_H3_tof.pkl	F038486.dat	correct	36,8		29,4	S1			7,4
SSSPTQYGLTK	IPI00329638	ZAK	1	5	1247,543465	plate 1 / well H 4	Plate1_H4.pkl	F038488.dat	correct	80,9		58,4	S3			22,5
VGSLTPPSSPK	IPI00298977	AAK1	1	5	1148,547805	plate 1 / well H 5	Plate1_H5.pkl	F038490.dat	correct	68,4		59,5	S3			8,9
YMEDSTYYKASK	IPI00413961	PTK2	2	7&8	1644,581945	plate 1 / well H 6	Plate1_H6.pkl	F038492.dat	correct	27,3		22,1	T6Y8			5,2
IPLIKSHNDFVAILDLPEGEHQYK	IPI00013905	PRKAB2	1	6	2855,425805	plate 1 / well H 7	Plate1_H7.pkl	F038689.dat	correct	106,8		5,7	Y23			101,1
ETTTSPKKYYLAEK	IPI00000878	TEC	1	4	1737,822585	plate 1 / well H 8	Plate1_H8.pkl	F038688.dat	correct	43		39,1	S5			3,9
ILSDVTHSAVFGVPASK	IPI00298977	AAK1	1	8	1806,891645	plate 1 / well H 9	Plate1_H9.pkl	F038687.dat	correct	87		78,5	T6			8,5
AQSFPDNR	IPI00181703	MAP3K3	1	3	1013,396735	plate 1 / well H10	Plate1_H10_tof.pkl	F038494.dat	correct	37,2						37,2
HSWYHGPVSR	IPI00216969	ABL1	1	4	1304,545125	plate 1 / well H11	plate1_H11.pkl	F038684.dat	correct	30,2		25	S2			5,2
NSQPNRYTNR	IPI00552413	CDK9	1	8	1328,562255	plate 1 / well H12	Plate1_H12.pkl	F038683.dat	correct	22,2		8,9	S2			13,3
RDSPPPPAR	IPI00014068	PAK4	1	3	1071,486205	plate 2 / well A 1	Plate2_A1.pkl	F038496.dat	correct	25,5						25,5
SRNSPLLER	IPI00555838	MARK2	1	4	1150,549545	plate 2 / well A 2	Plate2_A2.pkl	F038498.dat	correct	29,8		24,5	S1			5,3
TYTHEVVTLWYR	IPI00031681	CDK2	1	3	1646,749365	plate 2 / well A 3	Plate2_A3.pkl	F038682.dat	correct	45,1		33,6	T1			11,5
DSPGIPPSAGAHQLFR	IPI00477982	RPS6KA1	1	8	1728,798415	plate 2 / well A 4	Plate2_A4.pkl	F038681.dat	correct	116,5		57,2	S2			59,3
SFNGSLKNVAVDELSR	IPI00219129	NQO2	1	5	1814,856335	plate 2 / well A 5	Plate2_A5.pkl	F038680.dat	correct	48,8		35,5	S1			13,3
GHGQPGADAEKPFYVNVEFHHER	IPI00004497	BCR	1	14	2700,186975	plate 2 / well A 6	Plate2_A6.pkl	F038679.dat	correct	32						32
SQSNPILGSPFFSHFDGQDSYAAAVR	IPI00329638	ZAK	1	3	2877,275865	plate 2 / well A 7	Plate2_A7.pkl	F038678.dat	unassigned	18,1		18,1	S1			0
FTNSETAEHIAQGLR	IPI00029132	BTK	1	4	1752,783175	plate 2 / well A 8	Plate2_A8.pkl	F038677.dat	correct	77,9		76,1	T6			1,8
RLSSTSLASGHSVR	IPI00009334	PRKD2	1	4	1536,740925	plate 2 / well A 9	Plate2_A9.pkl	F038676.dat	correct	32,5		26,6	S3			5,9
SRTPPSAPSQSR	IPI00039689	SRRM2	1	6	1349,608855	plate 2 / well A10	Plate2_A10.pkl	F038675.dat	correct	30,9		22,5	S9			8,4
VSGRTSPPLLDR	IPI00039689	SRRM2	1	2	1376,681275	plate 2 / well A11	Plate2_A11.pkl	F038706.dat	false	24,3	T5	22,9				24,3
RLSIIGPTSR	IPI00513803	MAP3K2	1	3	1178,617225	plate 2 / well B 1	Plate2_B1.pkl	F038673.dat	correct	9,5		6,3	T8			3,2
SRNSPLLER	IPI00555838	MARK2	1	1	1150,549545	plate 2 / well B 2	Plate2_B2.pkl	F038672.dat	not identified							
VIEDNEYTAR	IPI00298625	LYN	1	7	1288,533615	plate 2 / well B 3	Plate2_B3.pkl	F038500.dat	correct	45,3		31,3	T8			14
DSPGIPPSANAHQLFR	IPI00020898	RPS6KA3	1	2	1785,819885	plate 2 / well B 4	Plate2_B4.pkl	F038667.dat	correct	96,4		52,2	S8			44,2
SNSTSSMSSGLPEQDR	IPI00329488	ABL2	1	3	1761,687645	plate 2 / well B 5	Plate2_B5.pkl	F038502.dat	correct	121,6		120,5	S1			1,1
GISRSLESVLSLGPRPTGGGSSPPEIR	IPI00022633	TNK1	2	3&5	2865,378585	plate 2 / well B 6	Plate2_B6.pkl	F038504.dat	not identified							
VKEEGYELPYNPATDDYAVPPPR	IPI00015287	DOK1	1	17	2699,215545	plate 2 / well B 7	Plate2_B7.pkl	F038666.dat	correct	116,8		110,1	T14			6,7
GRRSPSPGNSPSGR	IPI00012318	MAP3K1	1	4	1490,673905	plate 2 / well B 8	Plate2_B8.pkl	F038665.dat	false	23,5	S10	17,7				5,8
RLSSTSLASGHSVR	IPI00009334	PRKD2	2	3&4	1616,707225	plate 2 / well B 9	Plate2_B9.pkl	F038506.dat	correct	86,6		83,9	S3T5			2,7
SSSFREMDGQPER	IPI00216969	ABL1	1	1	1604,628995	plate 2 / well B10	Plate2_B10.pkl	F038664.dat	unassigned	21,5	S2	21,5				0
VSGRTSPPLLDR	IPI00039689	SRRM2	1	6	1376,681275	plate 2 / well B11	Plate2_B11.pkl	F038663.dat	correct	8,2		6,2	T5			2
SINEKDYHSR	IPI00028061	CLK1	1	1	1327,555755	plate 2 / well C 1	Plate2_C1.pkl	F038662.dat	correct	45,2						45,2
STFHAGQLR	IPI00555838	MARK2	1	2	1095,486215	plate 2 / well C 2	Plate2_C2_tof.pkl	F038508.dat	correct	40		37,4	S1			2,6
VPASPLPGLER	IPI00555838	MARK2	1	4	1214,605975	plate 2 / well C 3	Plate2_C3.pkl	F038510.dat	correct	51,9						51,9
IQPSSPPPNHPNNHLFR	IPI00657720	KIAA0999	1	4	2030,947555	plate 2 / well C 4	Plate2_C4.pkl	F038661.dat	unassigned	52,2		52,2	S5			0
SNSTSSMSSGLPEQDR	IPI00329488	ABL2	1	4	1761,687645	plate 2 / well C 5	Plate2_C5.pkl	F038704.dat	false	109,6	S5	96,5				13,1
NSFNNPAYYVLEGVPHQLLPPEPPSPAR	IPI00016932	SHIP2	1	8	3182,522565	plate 2 / well C 6	Plate2_C6.pkl	F038512.dat	unassigned	5,8	Y9	5,8				0
VKEEGYELPYNPATDDYAVPPPR	IPI00015287	DOK1	2	6&17	2779,181845	plate 2 / well C 7	Plate2_C7.pkl	F038659.dat	correct	80		53,5	Y6T14			26,5
GRRSPSPGNSPSGR	IPI00012318	MAP3K1	1	6	1490,673905	plate 2 / well C 8	Plate2_C8.pkl	F038658.dat	false	18,9	S4	18,4				0,5
SGGQRHSPLSQR	IPI00006064	TBKBP1	1	1	1388,630985	plate 2 / well C 9	Plate2_C9.pkl	F038611.dat	false	28,8	S7	24,5				28,8
SSSFREMDGQPER	IPI00216969	ABL1	1	2	1604,628995	plate 2 / well C10	Plate2_C10.pkl	F038610.dat	unassigned	19,2		19,2	S1			0
YATPQVIQAPGPR	IPI00442025	TNK2	1	1	1476,712575	plate 2 / well C11	Plate2_C11.pkl	F038609.dat	correct	71		52,4	T3			18,6
SISLRYEGR	IPI00216969	ABL1	1	6	1159,538645	plate 2 / well D 1	Plate2_D1.pkl	F038514.dat	correct	16,6		10,2	S3			6,4
STFHAGQLR	IPI00555838	MARK2	1	1	1095,486215	plate 2 / well D 2	Plate2_D2_tof.pkl	F038516.dat	correct	57,3		43,1	T2			14,2
VSPSPTTYR	IPI00004497	BCR	2	8	1086,474655	plate 2 / well D 3	Plate2_D3.pkl	F038518.dat	correct	37		36,9	T7			0,1
IQPSSPPPNHPNNHLFR	IPI00657720	KIAA0999	1	5	2030,947555	plate 2 / well D 4	Plate2_D4.pkl	F038520.dat	false	35,8	S4	34,9				0,9
SNSTSSMSSGLPEQDR	IPI00329488	ABL2	1	5	1761,687645	plate 2 / well D 5	Plate2_D5.pkl	F038608.dat	correct	109,6		99	S6			10,6
NSFNNPAYYVLEGVPHQLLPPEPPSPAR	IPI00016932	SHIP2	1	9	3182,522565	plate 2 / well D 6	Plate2_D6.pkl	F038522.dat	unassigned	53,7		53,7	Y8			0
VKEEGYELPYNPATDDYAVPPPR	IPI00015287	DOK1	2	10&17	2779,181845	plate 2 / well D 7	Plate2_D7.pkl	F038607.dat	correct	91,4		75	Y10T14			16,4
HTDDEMTGYVATR	IPI00002857	MAPK14	1	9	1574,607195	plate 2 / well D 8	Plate2_D8.pkl	F038524.dat	correct	65,8		64,3	T7			1,5
SGGQRHSPLSQR	IPI00006064	TBKBP1	1	7	1388,630985	plate 2 / well D 9	Plate2_D9.pkl	F038606.dat	correct	37		33,5	S11			3,5
SSSFREMDGQPER	IPI00216969	ABL1	1	3	1604,628995	plate 2 / well D10	Plate2_D10.pkl	F038605.dat	correct	16		14,8	S2			1,2
YIEDEDYYKASVTR	IPI00029702	PTK2B	2	7&8	1910,737575	plate 2 / well D11	Plate2_D11.pkl	F038604.dat	correct	39,4		29,2	Y1Y8			10,2
SLESVLSLGPR	IPI00022633	TNK1	1	1	1236,611465	plate 2 / well E 1	Plate2_E1.pkl	F038526.dat	not identified							

STGDPQGVIR	IPI00029132	BTK	1	2	1108,491355	plate 2 / well E 2	Plate2_E2.pkl	F038528.dat	correct	41,8		39,1	S1			2,7
VYELMR	IPI00329488	ABL2	1	2	889,376855	plate 2 / well E 3	Plate2_E3.pkl	F038530.dat	correct	24,4						24,4
LQPQEISPPPTANLDR	IPI00413961	PTK2	1	7	1854,887635	plate 2 / well E 4	Plate2_E4.pkl	F038603.dat	correct	60,5		54,1	T11			6,4
SNSTSSMSSGLPEQDR	IPI00329488	ABL2	1	6	1761,687645	plate 2 / well E 5	Plate2_E5.pkl	F038602.dat	unassigned	44,2		44,2	S5			0
NSFNNPAYYVLEGVPHQLLPPEPPSPAR	IPI00016932	SHIP2	2	8&9	3262,488865	plate 2 / well E 6	Plate2_E6.pkl	F038532.dat	false	18,1	S2Y9	18,1	S2Y8	16,4		1,7
ARSRTPPSAPSQSR	IPI00099730	SRRM2	2	3&8	1656,713375	plate 2 / well E 7	Plate2_E7.pkl	F038535.dat	false	39,8	T5S11	21,5				18,3
ISSLGSQAMQMER	IPI00004497	BCR	1	3	1516,641485	plate 2 / well E 8	Plate2_E8.pkl	F038542.dat	correct	90,7		69,6	S2			21,1
SLPAPQDNDFLSR	IPI00021917	RIPK2	1	1	1538,676585	plate 2 / well E 9	Plate2_E9.pkl	F038544.dat	correct	91,6		39,6	S12			52
SVTLPRDLQSTGR	IPI00216969	ABL1	1	1	1508,734775	plate 2 / well E10	Plate2_E10.pkl	F037750.dat	false	12,8	T3	11,8				1
SQERPTFYR	IPI00002857	MAPK14	1	1	1262,544465	plate 2 / well F 1	Plate2_F1.pkl	F038600.dat	correct	14,5		10,9	T6			3,6
STVASMMHR	IPI00169392	CAMK2G	1	1	1098,435125	plate 2 / well F 2	Plate2_F2.pkl	F038546.dat	correct	44,6		34,5	T2			10,1
VYHYR	IPI00216969	ABL1	1	2	816,331955	plate 2 / well F 3	Plate2_F3.pkl	F038548.dat	correct	10,7						10,7
LTEERDGSLNQSSGYR	IPI00219012	FYN	1	8	1890,810855	plate 2 / well F 4	Plate2_F4.pkl	F038599.dat	correct	62,6		42,8	S12			19,8
SNSTSSMSSGLPEQDR	IPI00329488	ABL2	1	8	1761,687645	plate 2 / well F 5	Plate2_F5.pkl	F038551.dat	correct	124		109,3	S9			14,7
PKPSNPIYNEPDEPIAFYAMGR	IPI00220388	SH2D2A	2	8&18	2665,132405	plate 2 / well F 6			no MS/MS Spectrum							
ATSLPSLDTPGELR	IPI00156649	DOK3	1	3	1535,723195	plate 2 / well F 7			no MS/MS Spectrum							
LRSADSENALSVQER	IPI00181703	MAP3K3	1	3	1753,799555	plate 2 / well F 8	Plate2_F8.pkl	F038553.dat	false	88,9	S6	76				12,9
SPGPSSPKEPLLFSR	IPI00022872	LIMK2	1	1	1677,812675	plate 2 / well F 9	Plate2_F9.pkl	F038598.dat	correct	88,7		86,7	S5			2
TAGTSFMMTPYVVTR	IPI00024672	MAPK8	1	11	1740,761595	plate 2 / well F10	Plate2_F10.pkl	F038555.dat	correct	84		71	T9			13
SQSDIFSR	IPI00102677	TESK2	1	1	1018,412055	plate 2 / well G 1	Plate2_G1.pkl	F038557.dat	correct	59,4		55,6	S3			3,8
STVASMMHR	IPI00169392	CAMK2G	1	5	1098,435125	plate 2 / well G 2	Plate2_G2.pkl	F038559.dat	correct	41,8		27	T2			14,8
VYTHEVVTLWYR	IPI00026689	CDC2	1	3	1644,770095	plate 2 / well G 3	Plate2_G3.pkl	F038561.dat	correct	74		46,4	T8			27,6
SFGSPNRAYTHQVVTR	IPI00000685	CDK7	2	4&10	1978,845115	plate 2 / well G 4	Plate2_G4.pkl	F038597.dat	false	21,7	S4T15	19,1				2,6
SNSTSSMSSGLPEQDR	IPI00329488	ABL2	1	9	1761,687645	plate 2 / well G 5	Plate2_G5.pkl	F038596.dat	correct	54,4		46,4	S8			8
RLEEPEEPKVLTPEEQLADKLR	IPI00290461	EIF3S1	1	12	2698,357785	plate 2 / well G 6	Plate2_G6.pkl	F038565.dat	not identified							
ATSLPSLDTPGELR	IPI00156649	DOK3	1	6	1535,723195	plate 2 / well G 7	Plate2_G7.pkl	F038567.dat	correct	110,5		102,5	T9			8
LRSADSENALSVQER	IPI00181703	MAP3K3	1	6	1753,799555	plate 2 / well G 8	Plate2_G8.pkl	F038569.dat	correct	76,6		61,2	S11			15,4
SPGPSSPKEPLLFSR	IPI00022872	LIMK2	1	5	1677,812675	plate 2 / well G 9	Plate2_G9.pkl	F038571.dat	correct	103,2		98,6	S6			4,6
TVSTSSQPEENVDR	IPI00329488	ABL2	1	3	1627,672635	plate 2 / well G10	Plate2_G10.pkl	F038575.dat	correct	111,1		107,3	T4			3,8
SQSDIFSR	IPI00102677	TESK2	1	3	1018,412055	plate 2 / well H 1	Plate2_H1.pkl	F038573.dat	correct	50,2		43,2	S1			7
TAPTPPKR	IPI00216969	ABL1	1	4	946,463685	plate 2 / well H 2	Plate2_H2.pkl	F038577.dat	correct	32,5		20,7	T1			11,8
YELTGLPEQDR	IPI00375648	ABL2	1	1	1399,602025	plate 2 / well H 3	Plate2_H3.pkl	F038580.dat	false	60,9	T4	57,4				3,5
SFNGSLKNVAVDELSR	IPI00219129	NQO2	1	1	1814,856335	plate 2 / well H 4	Plate2_H4.pkl	F038582.dat	correct	149,9		116,3	S5			33,6
THLGTGMERSPGAMER	IPI00413961	PTK2	1	1	1808,769855	plate 2 / well H 5	Plate2_H5.pkl	F038585.dat	not identified							
RPGAAASGERDDRGPPASVAALR	IPI00004497	BCR	1	7	2356,139625	plate 2 / well H 6	Plate2_H6.pkl	F038587.dat	false	40	S15	28,9				11,1
EPPPVVNYEEDAR	IPI00029263	FER	1	8	1593,671155	plate 2 / well H 7	Plate2_H7.pkl	F038589.dat	correct	95,7						95,7
RLSSTSLASGHSVR	IPI00009334	PRKD2	1	3	1536,740925	plate 2 / well H 8	PLate2_H8.pkl	F038591.dat	false	74,9	S6	73,5				1,4
SRTPPSAPSQSR	IPI00039689	SRRM2	1	1	1349,608855	plate 2 / well H 9	Plate2_h9.pkl	F038593.dat	false	33	S9	13,9				19,1
TVSTSSQPEENVDR	IPI00329491	ABL5	2	3&5	1707,638935	plate 2 / well H10	Plate2_H10.pkl	F038595.dat	unassigned	91,7		91,7	S3T4			0