

Supporting information of S. Abdul *et al*: On the localization of the cleavage site in human alpha-2-antiplasmin, involved in the generation of the non-plasminogen binding form.

Table S1. Inclusion list of 26 m/z peptide masses favored for MS2 fragmentation by HCD and EThcD.

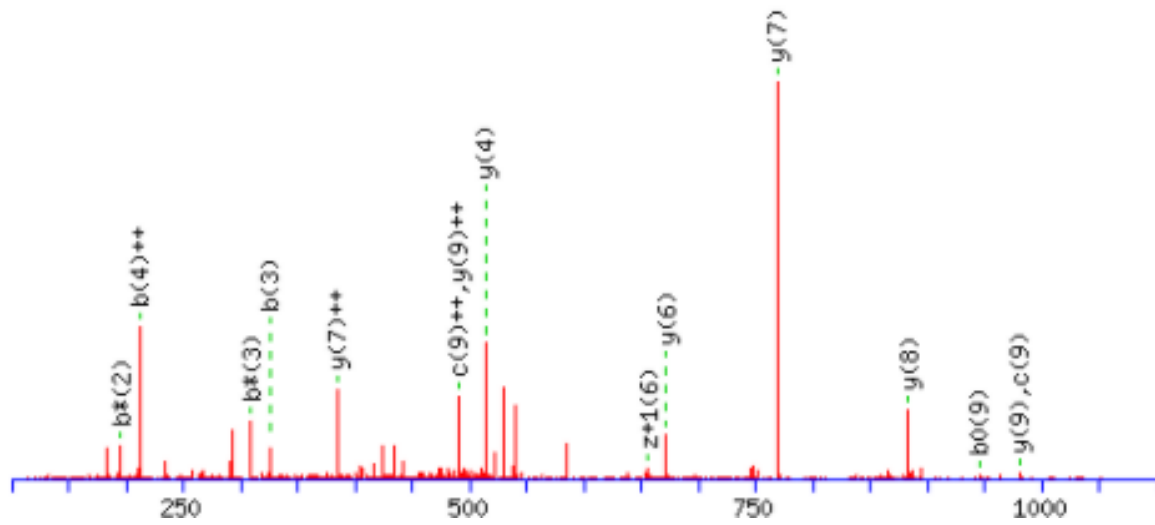
<i>Sequence</i>	<i>Amino acids</i>	<i>z</i>	<i>MC</i>	<i>m/z</i>
R.ELKEQQ.D	416-421	2	0	387.7032
R.ELKEQQ.D*	416-421	2	0	388.1952
R.ELKEQQ.D**	416-421	2	0	388.6872
R.ELKEQQD.S	416-422	2	0	445.2167
R.ELKEQQD.S*	416-422	2	0	445.7087
R.ELKEQQD.S**	416-422	2	0	446.2007
R.NPNPSAPRELKEQQ.D	408-421	2	1	804.4104
R.NPNPSAPRELKEQQ.D*	408-421	2	1	804.9024
R.NPNPSAPRELKEQQ.D**	408-421	2	1	805.3944
R.NPNPSAPRELKEQQ.D***	408-421	2	1	805.8864
R.NPNPSAPRELKEQQ.D****	408-421	2	1	806.3784
R.NPNPSAPRELKEQQ.D	408-421	3	1	536.6094
R.NPNPSAPRELKEQQ.D*	408-421	3	1	536.9374
R.NPNPSAPRELKEQQ.D**	408-421	3	1	537.2654
R.NPNPSAPRELKEQQ.D***	408-421	3	1	537.5934
R.NPNPSAPRELKEQQ.D****	408-421	3	1	537.9214
R.NPNPSAPRELKEQQD.S	408-422	2	1	861.9239
R.NPNPSAPRELKEQQD.S*	408-422	2	1	862.4159
R.NPNPSAPRELKEQQD.S**	408-422	2	1	862.9079
R.NPNPSAPRELKEQQD.S***	408-422	2	1	863.3999
R.NPNPSAPRELKEQQD.S****	408-422	2	1	863.8919
R.NPNPSAPRELKEQQD.S	408-422	3	1	574.9517

R.NPNPSAPRELKEQQD.S*	408-422	3	1	575.2797
R.NPNPSAPRELKEQQD.S**	408-422	3	1	575.6077
R.NPNPSAPRELKEQQD.S***	408-422	3	1	575.9357
R.NPNPSAPRELKEQQD.S****	408-422	3	1	576.2637

z: charge state of peptide, MC: number of miscleavages, m/z: the observed mass/charge. The number of deamidations are indicated by the asterisks.

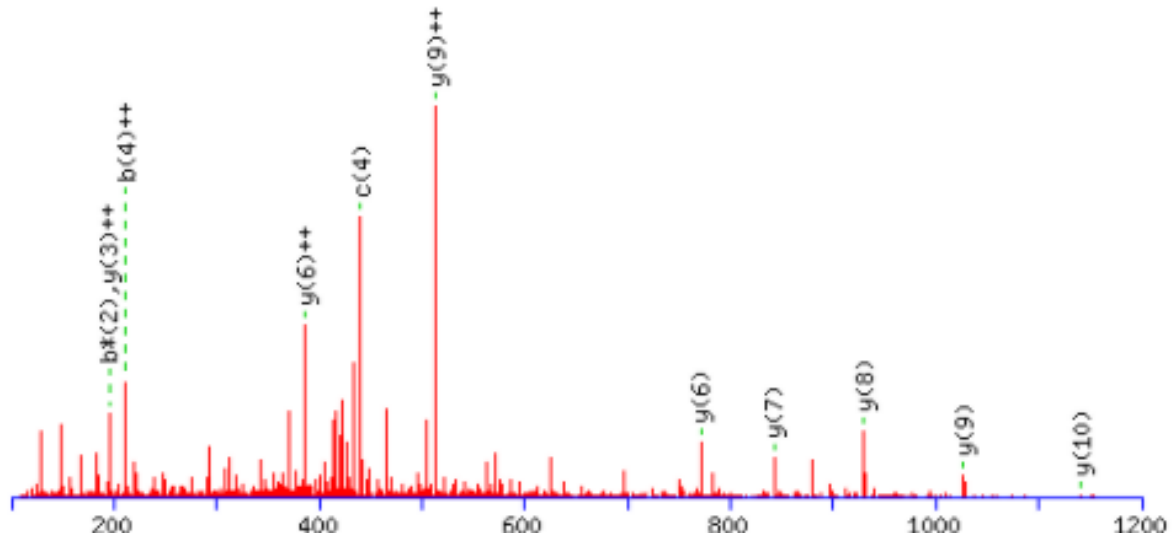
Supplementary figures

Score: 35



#	b	b ⁺⁺	b [*]	b ⁺⁺⁺	b ⁰	b ⁰⁺⁺	c	c ⁺⁺	Seq.	w	y	y ⁺⁺	y [*]	y ⁺⁺⁺	y ⁰	y ⁰⁺⁺	z+1	z+1 ⁺⁺	z+2	z+2 ⁺⁺	#	
1	115.0502	58.0287	98.0237	49.5155			132.0768	66.5420	N													10
2	212.1030	106.5551	195.0764	98.0418			229.1295	115.0684	P	937.4738	980.5160	490.7616	963.4894	482.2483	962.5054	481.7563	964.4972	482.7523	965.5051	483.2562	966.5149	9
3	326.1459	163.5766	309.1193	155.0633			343.1724	172.0899	N	823.4308	883.4632	442.2352	866.4367	433.7220	865.4526	433.2300	867.4445	434.2259	868.4523	434.7298	869.4377	8
4	423.1987	212.1030	406.1721	203.5897			440.2252	220.6162	P	726.3781	769.4203	385.2138	752.3937	376.7005	751.4097	376.2085	753.4016	377.2044	754.4094	377.7083	755.4171	7
5	510.2307	255.6190	493.2041	247.1057	492.2201	246.6137	527.2572	264.1323	S	639.3461	672.3675	336.6874	655.3410	328.1741	654.3570	327.6821	656.3488	328.6780	657.3566	329.1819	658.3653	6
6	581.2678	291.1375	564.2413	282.6243	563.2572	282.1323	598.2943	299.6508	A		585.3355	293.1714	568.3089	284.6581	567.3249	284.1661	569.3168	285.1620	570.3246	285.6659	571.3325	5
7	678.3206	339.6639	661.2940	331.1506	660.3100	330.6586	695.3471	348.1772	P	471.2562	514.2984	257.6528	497.2718	249.1396	496.2878	248.6475	498.2796	249.6435	499.2875	250.1474	499.6453	4
8	834.4217	417.7145	817.3951	409.2012	816.4111	408.7092	851.4482	426.2278	R	315.1551	417.2456	209.1264	400.2191	200.6132	399.2350	200.1212	401.2269	201.1171	402.2347	201.6210	402.6268	3
9	963.4643	482.2358	946.4377	473.7225	945.4537	473.2305	980.4908	490.7490	E		261.1445	131.0759		243.1339	122.0706	245.1258	123.0665	246.1336	123.5704	247.1411	123.6283	2
10									L		132.1019	66.5546					116.0832	58.5452	117.0910	59.0491	118.1069	1

Fig. S1. MS/MS fragmentation spectra of the Asn408-Leu417 peptide in an overnight Arg-C digest of NPB- α 2AP as determined by Mascot analysis. Best spectrum data is shown.

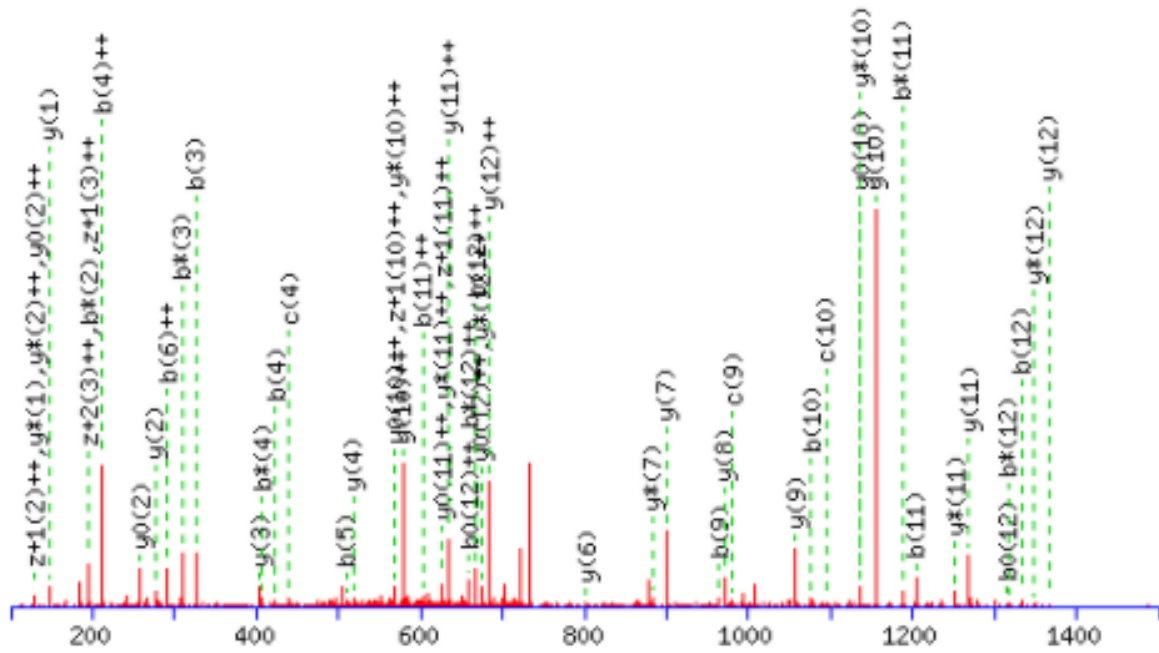


#	b	b ⁺⁺	b*	b ⁺⁺⁺	b ⁰	b ⁰⁺⁺	c	c ⁺⁺	Seq.	w	y	y ⁺⁺	y*	y ⁺⁺⁺	y ⁰	y ⁰⁺⁺	z+1	z+1 ⁺⁺	z+2	z+2 ⁺⁺	#
1	115.0502	58.0287	98.0237	49.5155			132.0768	66.5420	N												12
2	212.1030	106.5551	195.0764	98.0418			229.1295	115.0684	P	1194.6113	1237.6535	619.3304	1220.6270	610.8171	1219.6430	610.3251	1221.6348	611.3210	1222.6426	611.8250	11
3	326.1459	163.5766	309.1193	155.0633			343.1724	172.0899	N	1080.5684	1140.6008	570.8040	1123.5742	562.2907	1122.5902	561.7987	1124.5820	562.7947	1125.5899	563.2986	10
4	423.1987	212.1030	406.1721	203.5897			440.2252	220.6162	P	983.5156	1026.5578	513.7826	1009.5313	505.2693	1008.5473	504.7773	1010.5391	505.7732	1011.5469	506.2771	9
5	510.2307	255.6190	493.2041	247.1057	492.2201	246.6137	527.2572	264.1323	S	896.4836	929.5051	465.2562	912.4785	456.7429	911.4945	456.2509	913.4863	457.2468	914.4942	457.7507	8
6	581.2678	291.1375	564.2413	282.6243	563.2572	282.1323	598.2943	299.6508	A		842.4730	421.7402	825.4465	413.2269	824.4625	412.7349	826.4543	413.7308	827.4621	414.2347	7
7	678.3206	339.6639	661.2940	331.1506	660.3100	330.6586	695.3471	348.1772	P	728.3937	771.4359	386.2216	754.4094	377.7083	753.4254	377.2163	755.4172	378.2122	756.4250	378.7162	6
8	834.4217	417.7145	817.3951	409.2012	816.4111	408.7092	851.4482	426.2278	R	572.2926	674.3832	337.6952	657.3566	329.1819	656.3726	328.6899	658.3644	329.6859	659.3723	330.1898	5
9	963.4643	482.2358	946.4377	473.7225	945.4537	473.2305	980.4908	490.7490	E		518.2821	259.6447	501.2555	251.1314	500.2715	250.6394	502.2633	251.6353	503.2712	252.1392	4
10	1076.5483	538.7778	1059.5218	530.2645	1058.5378	529.7725	1093.5749	547.2911	L		389.2395	195.1234	372.2129	186.6101	371.2289	186.1181	373.2207	187.1140	374.2286	187.6179	3
11	1204.6433	602.8253	1187.6167	594.3120	1186.6327	593.8200	1221.6698	611.3386	K		276.1554	138.5813	259.1288	130.0681	258.1448	129.5761	260.1367	130.5720	261.1445	131.0759	2
12									E		148.0604	74.5339			130.0499	65.5286	132.0417	66.5245	133.0495	67.0284	1

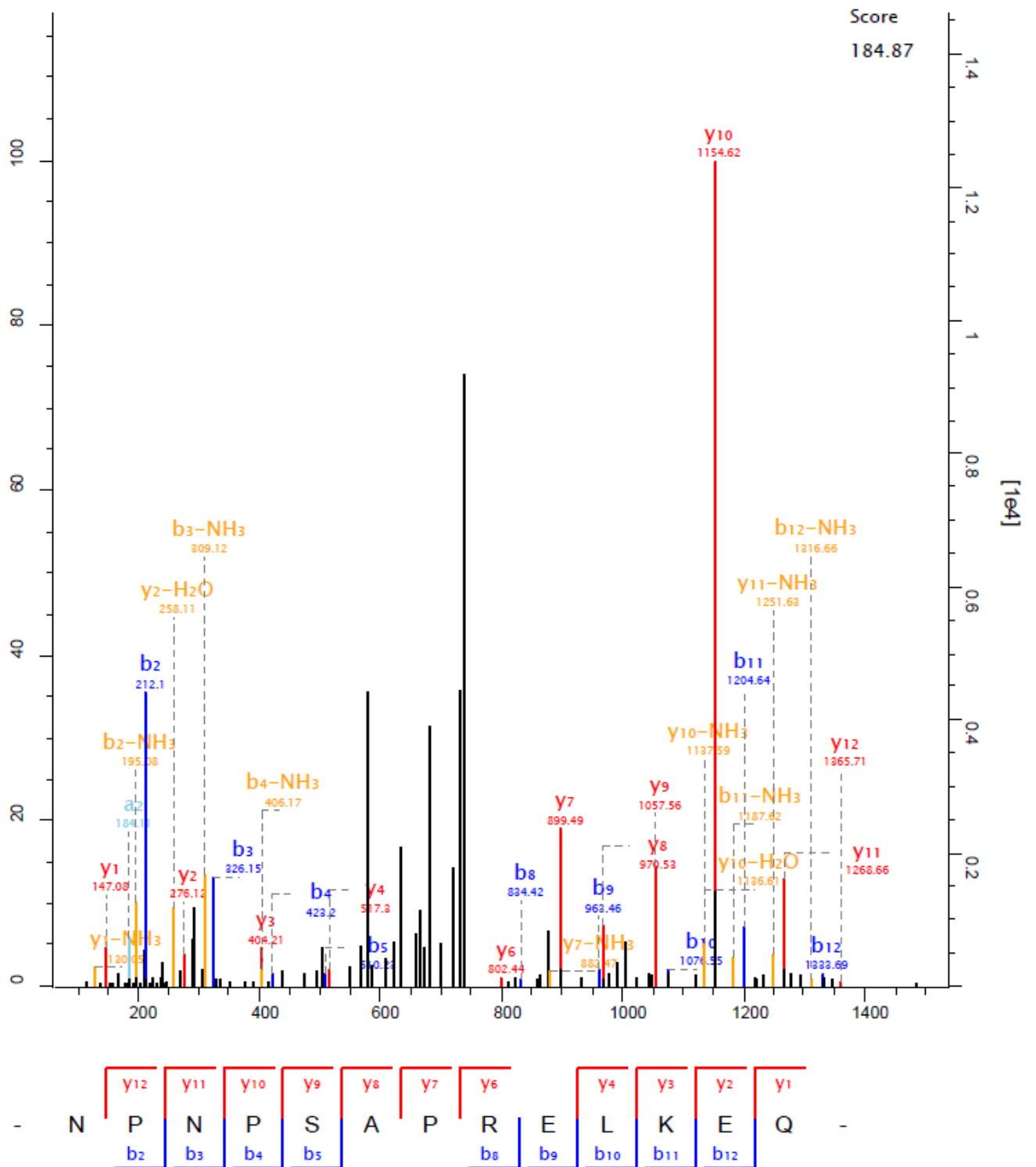
Fig. S2. MS/MS fragmentation spectra of the Asn408-Glu419 peptide in an overnight Arg-C digest of NPB- α 2AP as determined by Mascot analysis. Best spectrum data is shown.

A

Score: 58



#	b	b ⁺⁺	b [*]	b ⁺⁺⁺	b ⁰	b ⁰⁺⁺	c	c ⁺⁺	Seq.	w	y	y ⁺⁺	y [*]	y ⁺⁺⁺	y ⁰	y ⁰⁺⁺	z+1	z+1 ⁺⁺	z+2	z+2 ⁺⁺	#	
1	115.0502	58.0287	98.0237	49.5155			132.0768	66.5420	N													13
2	212.1030	106.5551	195.0764	98.0418			229.1295	115.0684	P	1322.6699	1365.7121	683.3597	1348.6856	674.8464	1347.7015	674.3544	1349.6934	675.3503	1350.7012	675.8542		12
3	326.1459	163.5766	309.1193	155.0633			343.1724	172.0899	N	1208.6270	1268.6593	634.8333	1251.6328	626.3200	1250.6488	625.8280	1252.6406	626.8239	1253.6484	627.3279		11
4	423.1987	212.1030	406.1721	203.5897			440.2252	220.6162	P	1111.5742	1154.6164	577.8118	1137.5899	569.2986	1136.6058	568.8066	1138.5977	569.8025	1139.6055	570.3064		10
5	510.2307	255.6190	493.2041	247.1057	492.2201	246.6137	527.2572	264.1323	S	1024.5422	1057.5636	529.2855	1040.5371	520.7722	1039.5531	520.2802	1041.5449	521.2761	1042.5528	521.7800		9
6	581.2678	291.1375	564.2413	282.6243	563.2572	282.1323	598.2943	299.6508	A		970.5316	485.7694	953.5051	477.2562	952.5211	476.7642	954.5129	477.7601	955.5207	478.2640		8
7	678.3206	339.6639	661.2940	331.1506	660.3100	330.6586	695.3471	348.1772	P	856.4523	899.4945	450.2509	882.4680	441.7376	881.4839	441.2456	883.4758	442.2415	884.4836	442.7454		7
8	834.4217	417.7145	817.3951	409.2012	816.4111	408.7092	851.4482	426.2278	R	700.3512	802.4417	401.7245	785.4152	393.2112	784.4312	392.7192	786.4230	393.7151	787.4308	394.2191		6
9	963.4643	482.2358	946.4377	473.7225	945.4537	473.2305	980.4908	490.7490	E		646.3406	323.6740	629.3141	315.1607	628.3301	314.6687	630.3219	315.6646	631.3297	316.1685		5
10	1076.5483	538.7778	1059.5218	530.2645	1058.5378	529.7725	1093.5749	547.2911	L		517.2980	259.1527	500.2715	250.6394	499.2875	250.1474	501.2793	251.1433	502.2871	251.6472		4
11	1204.6433	602.8253	1187.6167	594.3120	1186.6327	593.8200	1221.6698	611.3386	K		404.2140	202.6106	387.1874	194.0974	386.2034	193.6053	388.1953	194.6013	389.2031	195.1052		3
12	1333.6859	667.3466	1316.6593	658.8333	1315.6753	658.3413	1350.7124	675.8599	E		276.1190	138.5631	259.0925	130.0499	258.1084	129.5579	260.1003	130.5538	261.1081	131.0577		2
13									Q		147.0764	74.0418	130.0499	65.5286			131.0577	66.0325	132.0655	66.5364		1

B

C

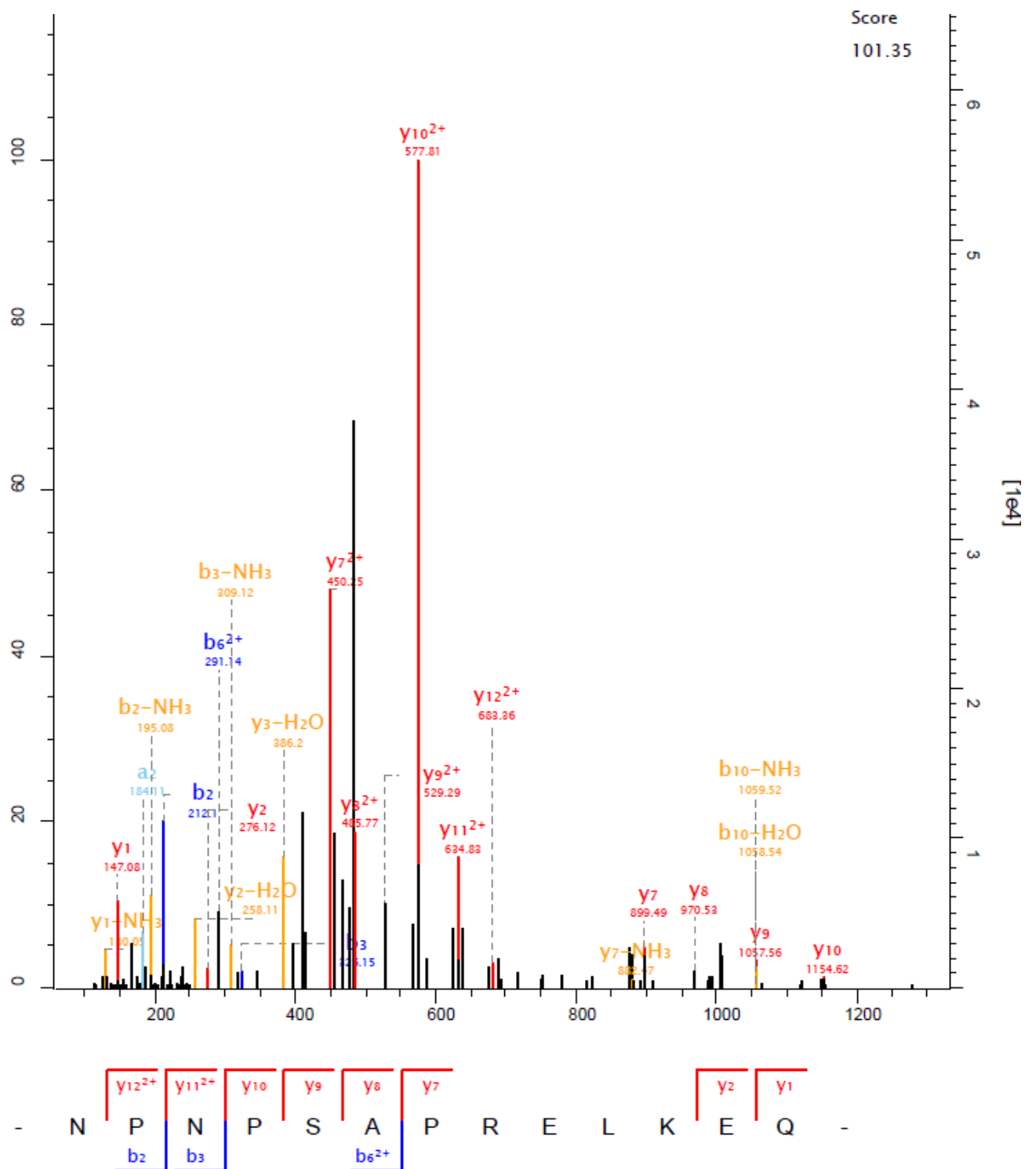
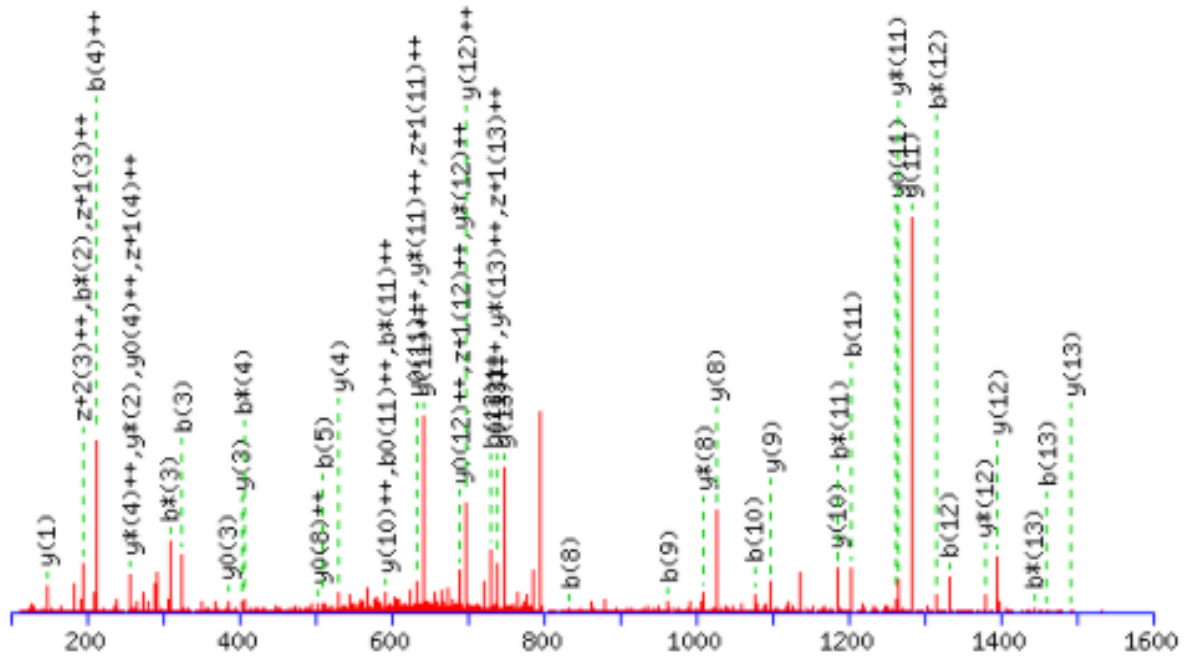


Fig. S3. MS/MS fragmentation spectra of the Asn408-Gln420 peptides in an overnight Arg-C digest of NPB- α 2AP as determined by Mascot analysis (A) and MaxQuant analysis (B and C). Best spectrum data is shown.

A

Score: 71



#	b	b ⁺⁺	b ⁺	b ⁺⁺⁺	b ⁰	b ⁰⁺⁺	c	c ⁺⁺	Seq.	w	y	y ⁺⁺	y ⁺	y ⁺⁺⁺	y ⁰	y ⁰⁺⁺	z+1	z+1 ⁺⁺	z+2	z+2 ⁺⁺	#		
1	115.0502	58.0287	98.0237	49.5155			132.0768	66.5420	N													14	
2	212.1030	106.5551	195.0764	98.0418			229.1295	115.0684	P	1450.7285	1493.7707	747.3890	1476.7441	738.8757	1475.7601	738.3837	1477.7520	739.3796	1478.7598	739.8835	1478.7598	739.8835	13
3	326.1459	163.5766	309.1193	155.0633			343.1724	172.0899	N	1336.6856	1396.7179	698.8626	1379.6914	690.3493	1378.7074	689.8573	1380.6992	690.8532	1381.7070	691.3571	1381.7070	691.3571	12
4	423.1987	212.1030	406.1721	203.5897			440.2252	220.6162	P	1239.6328	1282.6750	641.8411	1265.6484	633.3279	1264.6644	632.8359	1266.6563	633.8318	1267.6641	634.3357	1267.6641	634.3357	11
5	510.2307	255.6190	493.2041	247.1057	492.2201	246.6137	527.2572	264.1323	S	1152.6008	1185.6222	593.3148	1168.5957	584.8015	1167.6117	584.3095	1169.6035	585.3054	1170.6113	585.8093	1170.6113	585.8093	10
6	581.2678	291.1375	564.2413	282.6243	563.2572	282.1323	598.2943	299.6508	A		1098.5902	549.7987	1081.5637	541.2855	1080.5796	540.7935	1082.5715	541.7894	1083.5793	542.2933	1083.5793	542.2933	9
7	678.3206	339.6639	661.2940	331.1506	660.3100	330.6586	695.3471	348.1772	P	984.5109	1027.5531	514.2802	1010.5265	505.7669	1009.5425	505.2749	1011.5344	506.2708	1012.5422	506.7747	1012.5422	506.7747	8
8	834.4217	417.7145	817.3951	409.2012	816.4111	408.7092	851.4482	426.2278	R	828.4098	930.5003	465.7538	913.4738	457.2405	912.4898	456.7485	914.4816	457.7444	915.4894	458.2483	915.4894	458.2483	7
9	963.4643	482.2358	946.4377	473.7225	945.4537	473.2305	980.4908	490.7490	E		774.3992	387.7032	757.3727	379.1900	756.3886	378.6980	758.3805	379.6939	759.3883	380.1978	759.3883	380.1978	6
10	1076.5483	538.7778	1059.5218	530.2645	1058.5378	529.7725	1093.5749	547.2911	L		645.3566	323.1819	628.3301	314.6687	627.3461	314.1767	629.3379	315.1726	630.3457	315.6765	630.3457	315.6765	5
11	1204.6433	602.8253	1187.6167	594.3120	1186.6327	593.8200	1221.6698	611.3386	K		532.2726	266.6399	515.2460	258.1266	514.2620	257.6346	516.2538	258.6306	517.2617	259.1345	517.2617	259.1345	4
12	1333.6859	667.3466	1316.6593	658.8333	1315.6753	658.3413	1350.7124	675.8599	E		404.1776	202.5924	387.1510	194.0792	386.1670	193.5872	388.1589	194.5831	389.1667	195.0870	389.1667	195.0870	3
13	1461.7445	731.3759	1444.7179	722.8626	1443.7339	722.3706	1478.7710	739.8891	Q		275.1350	138.0711	258.1084	129.5579			259.1163	130.0618	260.1241	130.5657	260.1241	130.5657	2
14									Q		147.0764	74.0418	130.0499	65.5286			131.0577	66.0325	132.0655	66.5364	132.0655	66.5364	1

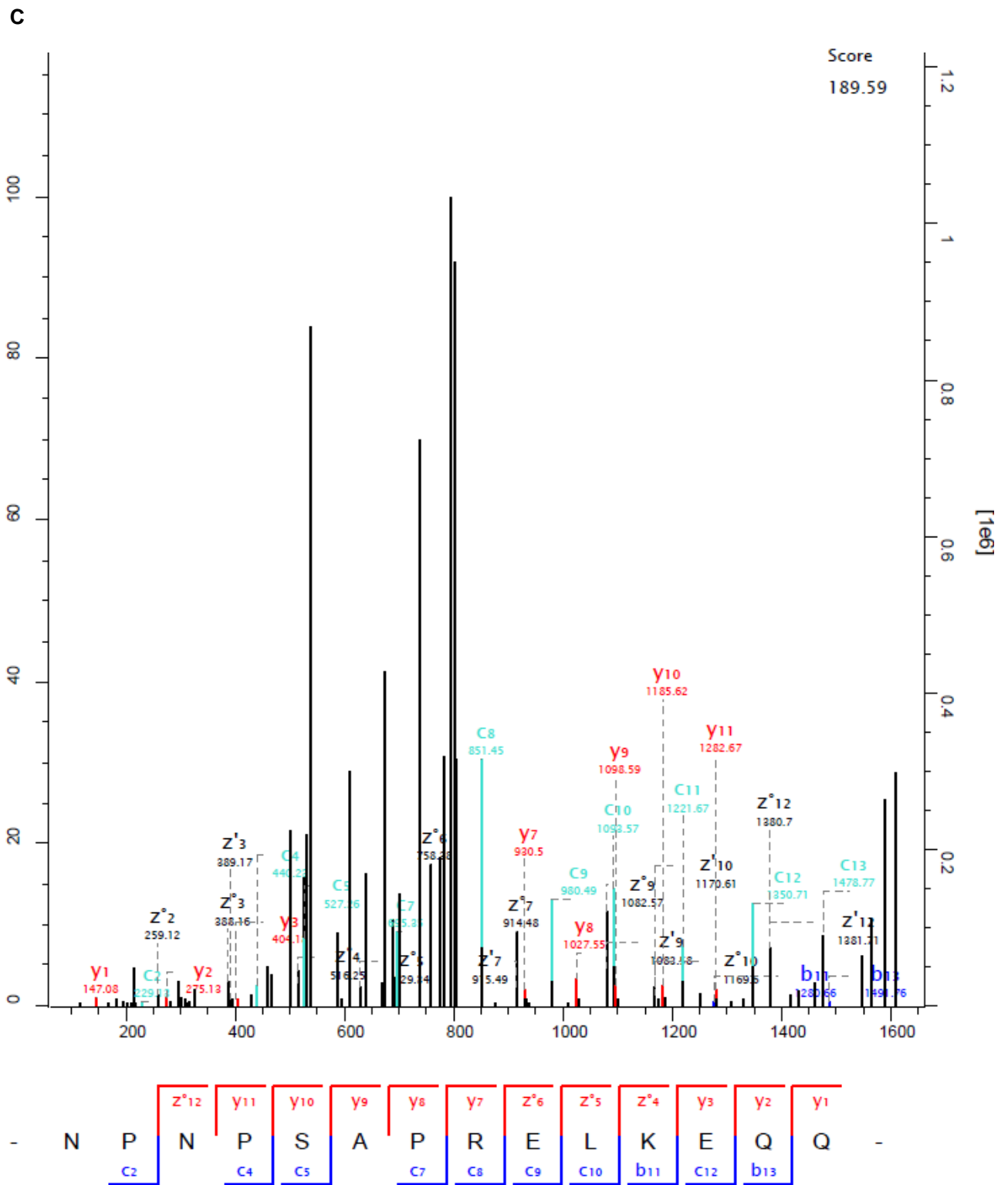
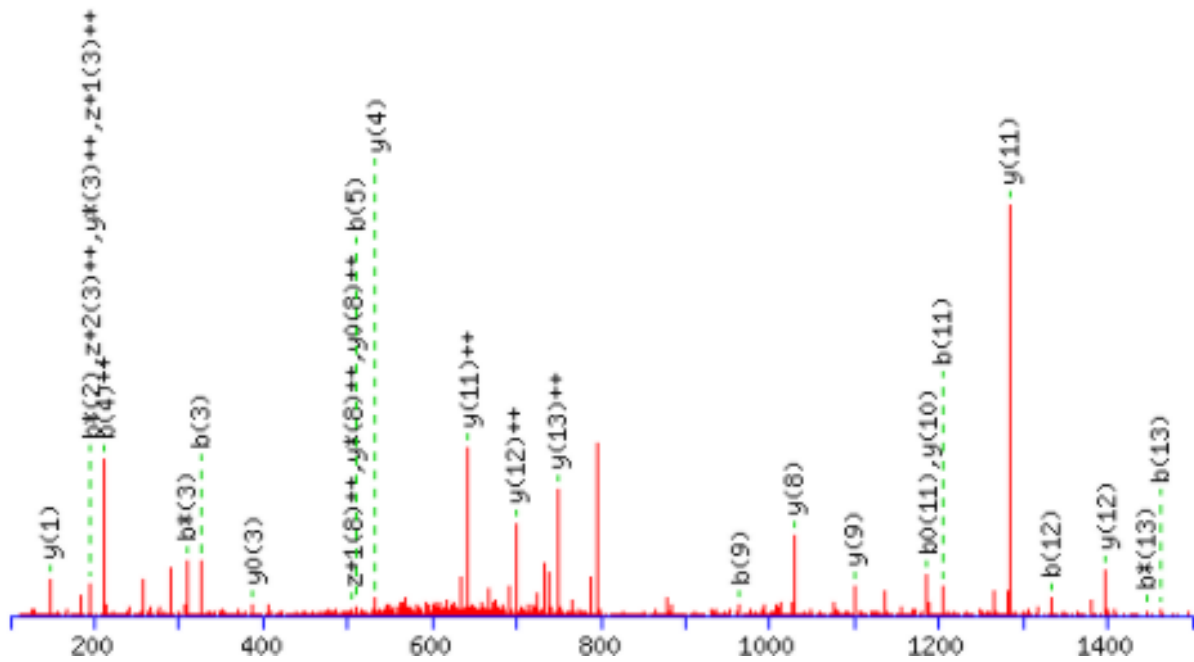


Fig. S4. MS/MS fragmentation spectra of the Asn408-Gln421 peptides in an overnight Arg-C digest of NPB- α 2AP as determined by Mascot analysis (A and B) and MaxQuant analysis (C). Best spectrum data is shown.

A

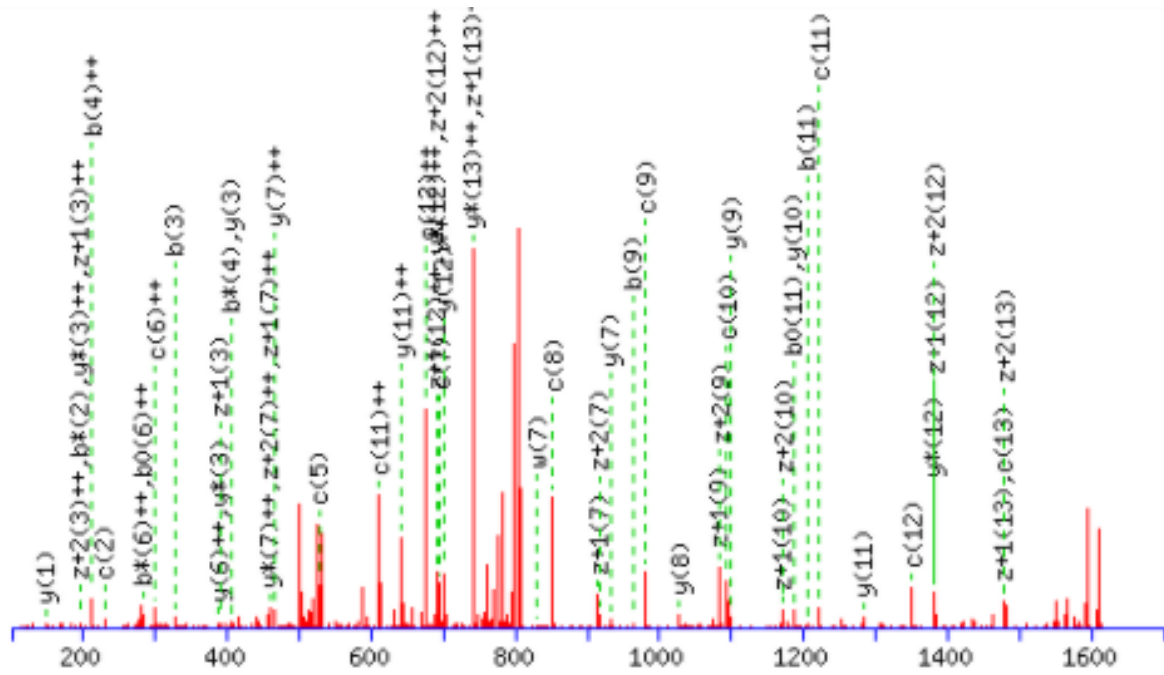
Score: 68



#	b	b ⁺⁺	b [*]	b ⁺⁺⁺	b ⁰	b ⁰⁺⁺	c	c ⁺⁺	Seq.	w	y	y ⁺⁺	y [*]	y ⁺⁺⁺	y ⁰	y ⁰⁺⁺	z+1	z+1 ⁺⁺	z+2	z+2 ⁺⁺	#	
1	115.0502	58.0287	98.0237	49.5155			132.0768	66.5420	N													14
2	212.1030	106.5551	195.0764	98.0418			229.1295	115.0684	P	1451.7125	1494.7547	747.8810	1477.7281	739.3677	1476.7441	738.8757	1478.7360	739.8716	1479.7438	740.3755		13
3	326.1459	163.5766	309.1193	155.0633			343.1724	172.0899	N	1337.6696	1397.7019	699.3546	1380.6754	690.8413	1379.6914	690.3493	1381.6832	691.3452	1382.6910	691.8492		12
4	423.1987	212.1030	406.1721	203.5897			440.2252	220.6162	P	1240.6168	1283.6590	642.3331	1266.6325	633.8199	1265.6484	633.3279	1267.6403	634.3238	1268.6481	634.8277		11
5	510.2307	255.6190	493.2041	247.1057	492.2201	246.6137	527.2572	264.1323	S	1153.5848	1186.6062	593.8068	1169.5797	585.2935	1168.5957	584.8015	1170.5875	585.7974	1171.5953	586.3013		10
6	581.2678	291.1375	564.2413	282.6243	563.2572	282.1323	598.2943	299.6508	A		1099.5742	550.2907	1082.5477	541.7775	1081.5637	541.2855	1083.5555	542.2814	1084.5633	542.7853		9
7	678.3206	339.6639	661.2940	331.1506	660.3100	330.6586	695.3471	348.1772	P	985.4949	1028.5371	514.7722	1011.5106	506.2589	1010.5265	505.7669	1012.5184	506.7628	1013.5262	507.2667		8
8	834.4217	417.7145	817.3951	409.2012	816.4111	408.7092	851.4482	426.2278	R	829.3938	931.4843	466.2458	914.4578	457.7325	913.4738	457.2405	915.4656	458.2364	916.4734	458.7404		7
9	963.4643	482.2358	946.4377	473.7225	945.4537	473.2305	980.4908	490.7490	E		775.3832	388.1953	758.3567	379.6820	757.3727	379.1900	759.3645	380.1859	760.3723	380.6898		6
10	1076.5483	538.7778	1059.5218	530.2645	1058.5378	529.7725	1093.5749	547.2911	L		646.3406	323.6740	629.3141	315.1607	628.3301	314.6687	630.3219	315.6646	631.3297	316.1685		5
11	1204.6433	602.8253	1187.6167	594.3120	1186.6327	593.8200	1221.6698	611.3386	K		533.2566	267.1319	516.2300	258.6186	515.2460	258.1266	517.2378	259.1226	518.2457	259.6265		4
12	1333.6859	667.3466	1316.6593	658.8333	1315.6753	658.3413	1350.7124	675.8599	E		405.1616	203.0844	388.1351	194.5712	387.1510	194.0792	389.1429	195.0751	390.1507	195.5790		3
13	1462.7285	731.8679	1445.7019	723.3546	1444.7179	722.8626	1479.7550	740.3812	Q		276.1190	138.5631	259.0925	130.0499			260.1003	130.5538	261.1081	131.0577		2
14									Q		147.0764	74.0418	130.0499	65.5286			131.0577	66.0325	132.0655	66.5364		1

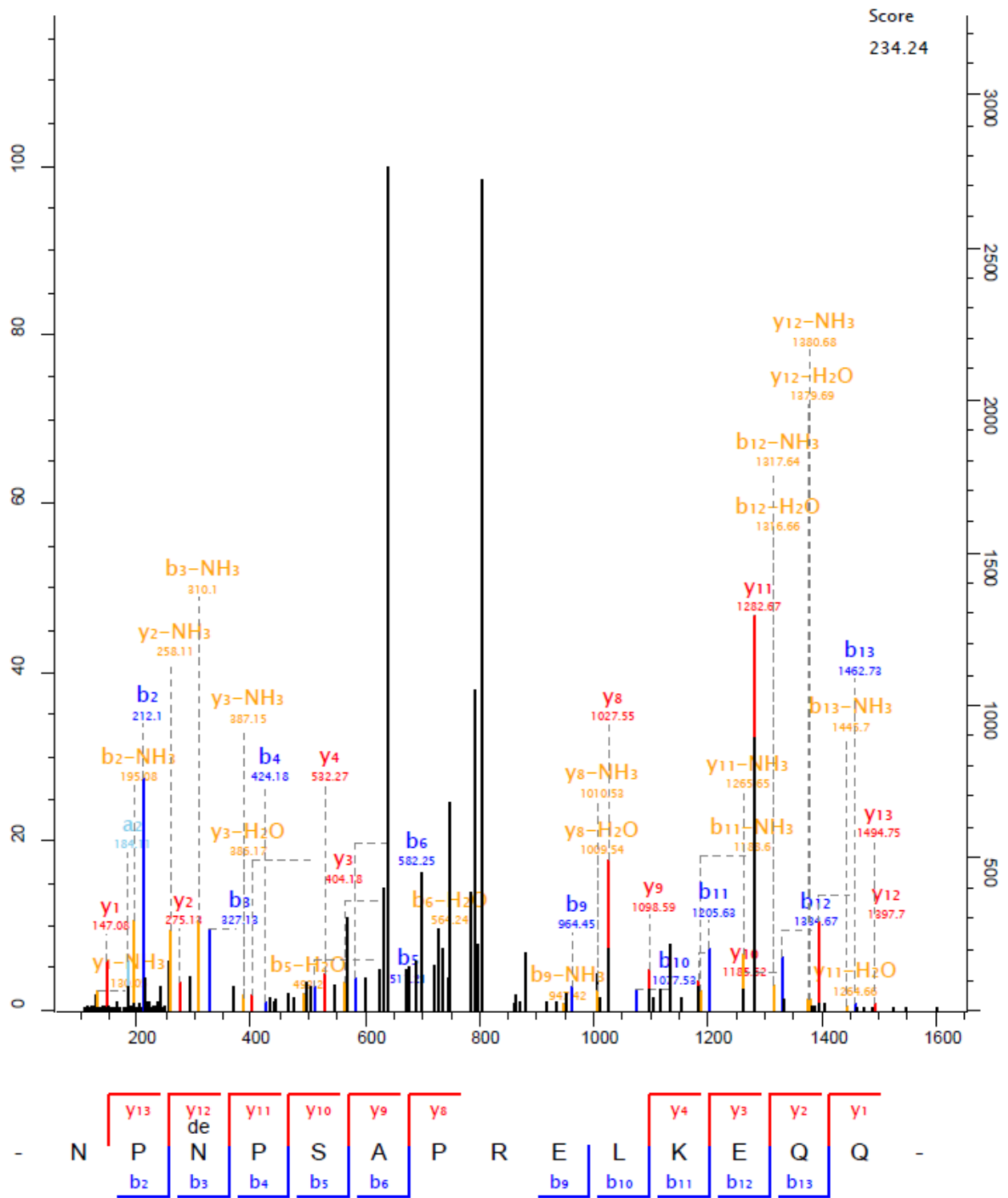
B

Score: 49



#	b	b ⁺⁺	b ⁺	b ⁺⁺⁺	b ⁰	b ⁰⁺⁺	c	c ⁺⁺	Seq.	w	y	y ⁺⁺	y ⁺	y ⁺⁺⁺	y ⁰	y ⁰⁺⁺	z+1	z+1 ⁺⁺	z+2	z+2 ⁺⁺	#	
1	115.0502	58.0287	98.0237	49.5155			132.0768	66.5420	N													14
2	212.1030	106.5551	195.0764	98.0418			229.1295	115.0684	P	1451.7125	1494.7547	747.8810	1477.7281	739.3677	1476.7441	738.8757	1478.7360	739.8716	1479.7438	740.3755	13	
3	326.1459	163.5766	309.1193	155.0633			343.1724	172.0899	N	1337.6696	1397.7019	699.3546	1380.6754	690.8413	1379.6914	690.3493	1381.6832	691.3452	1382.6910	691.8492	12	
4	423.1987	212.1030	406.1721	203.5897			440.2252	220.6162	P	1240.6168	1283.6590	642.3331	1266.6325	633.8199	1265.6484	633.3279	1267.6403	634.3238	1268.6481	634.8277	11	
5	510.2307	255.6190	493.2041	247.1057	492.2201	246.6137	527.2572	264.1323	S	1153.5848	1186.6062	593.8068	1169.5797	585.2935	1168.5957	584.8015	1170.5875	585.7974	1171.5953	586.3013	10	
6	581.2678	291.1375	564.2413	282.6243	563.2572	282.1323	598.2943	299.6508	A		1099.5742	550.2907	1082.5477	541.7775	1081.5637	541.2855	1083.5555	542.2814	1084.5633	542.7853	9	
7	678.3206	339.6639	661.2940	331.1506	660.3100	330.6586	695.3471	348.1772	P	985.4949	1028.5371	514.7722	1011.5106	506.2589	1010.5265	505.7669	1012.5184	506.7628	1013.5262	507.2667	8	
8	834.4217	417.7145	817.3951	409.2012	816.4111	408.7092	851.4482	426.2278	R	829.3938	931.4843	466.2458	914.4578	457.7325	913.4738	457.2405	915.4656	458.2364	916.4734	458.7404	7	
9	963.4643	482.2358	946.4377	473.7225	945.4537	473.2305	980.4908	490.7490	E		775.3832	388.1953	758.3567	379.6820	757.3727	379.1900	759.3645	380.1859	760.3723	380.6898	6	
10	1076.5483	538.7778	1059.5218	530.2645	1058.5378	529.7725	1093.5749	547.2911	L		646.3406	323.6740	629.3141	315.1607	628.3301	314.6687	630.3219	315.6646	631.3297	316.1685	5	
11	1204.6433	602.8253	1187.6167	594.3120	1186.6327	593.8200	1221.6698	611.3386	K		533.2566	267.1319	516.2300	258.6186	515.2460	258.1266	517.2378	259.1226	518.2457	259.6265	4	
12	1333.6859	667.3466	1316.6593	658.8333	1315.6753	658.3413	1350.7124	675.8599	E		405.1616	203.0844	388.1351	194.5712	387.1510	194.0792	389.1429	195.0751	390.1507	195.5790	3	
13	1461.7445	731.3759	1444.7179	722.8626	1443.7339	722.3706	1478.7710	739.8891	Q		276.1190	138.5631	259.0925	130.0499			260.1003	130.5538	261.1081	131.0577	2	
14									Q		148.0604	74.5339	131.0339	66.0206			132.0417	66.5245	133.0495	67.0284	1	

C



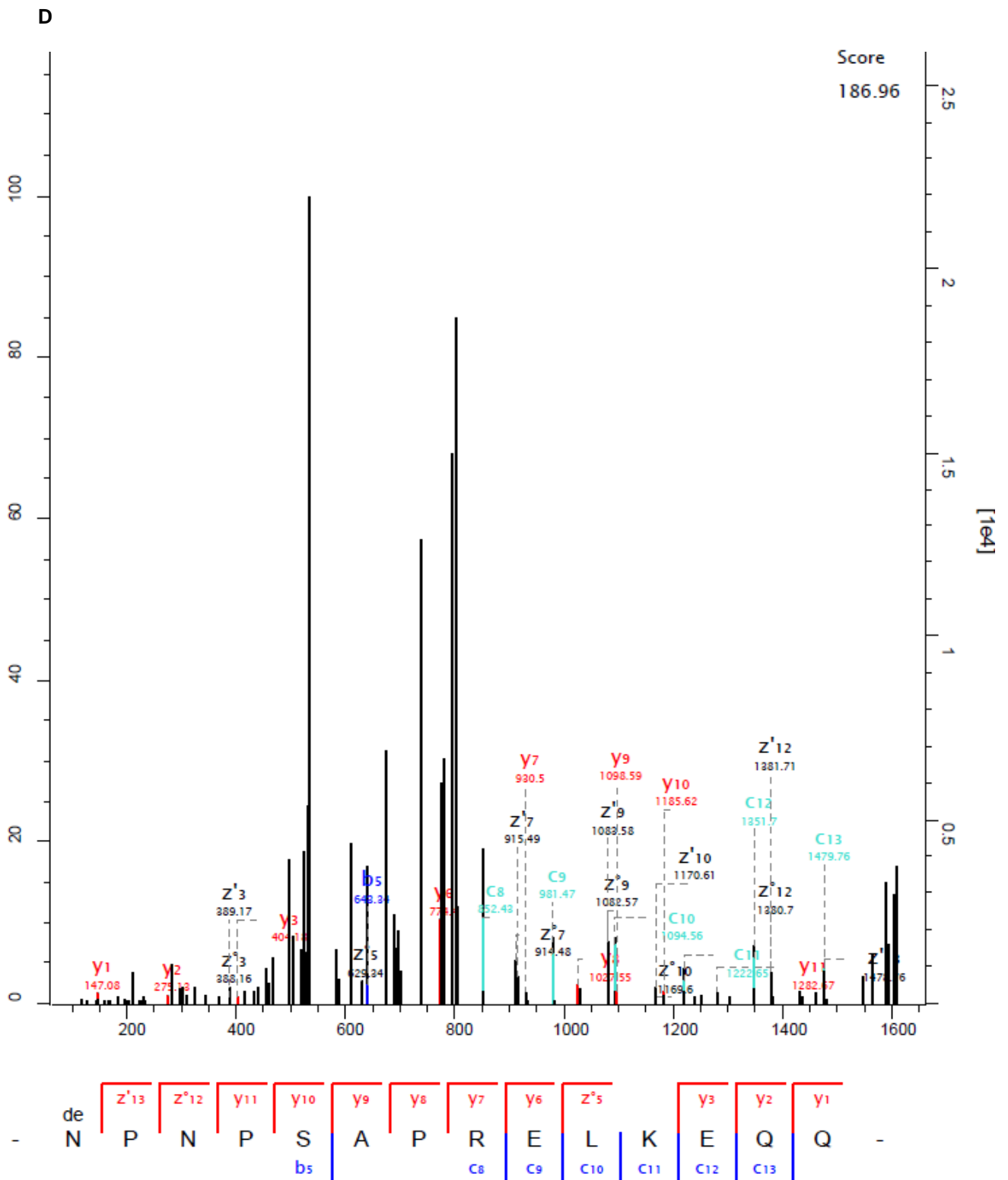
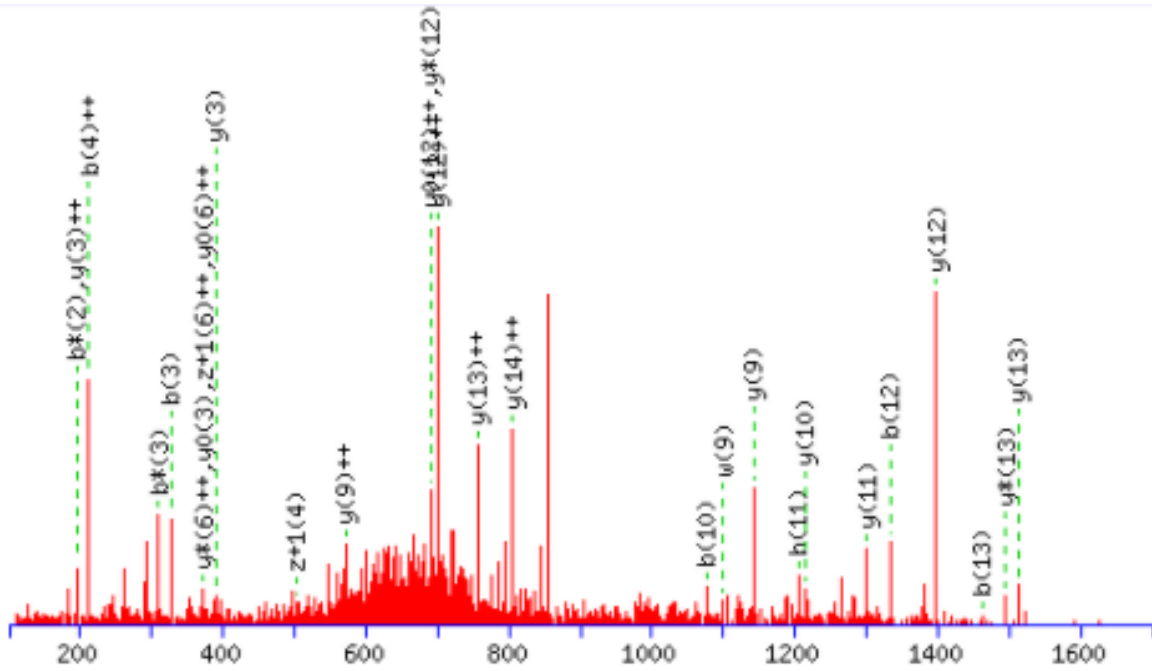


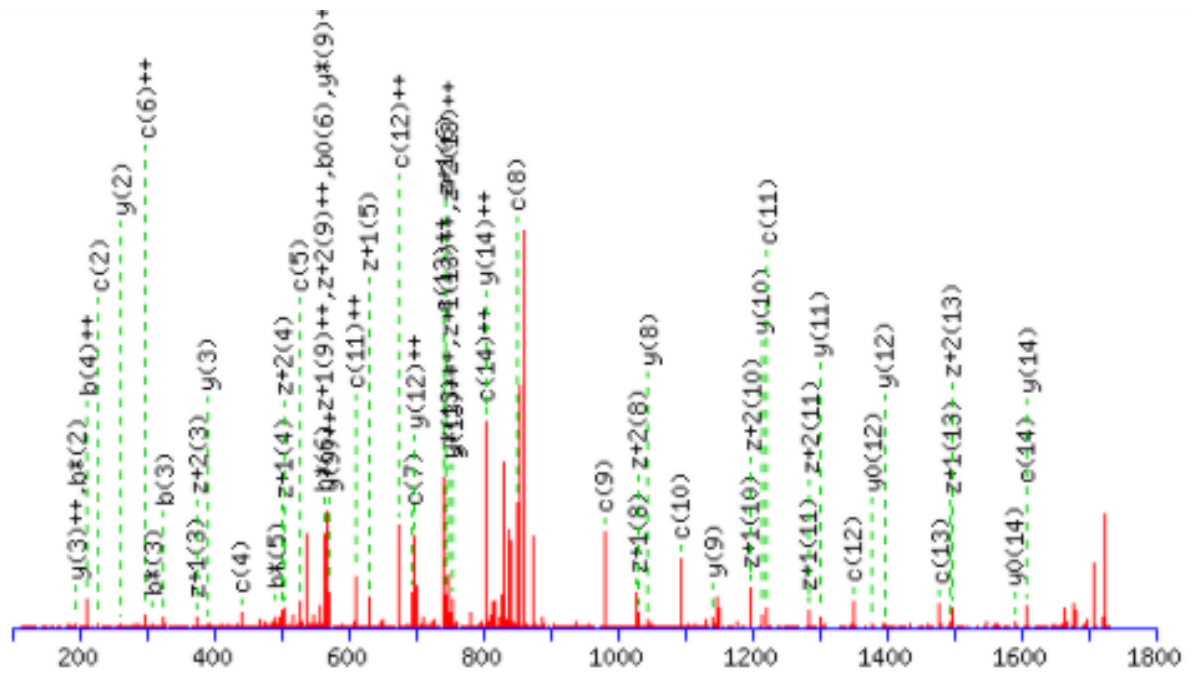
Fig. S5. MS/MS fragmentation spectra of the deamidated Asn408-Gln421 peptides in an overnight Arg-C digest of NPB- α 2AP as determined by Mascot analysis (A and B) and MaxQuant analysis (C and D). Best spectrum data is shown.



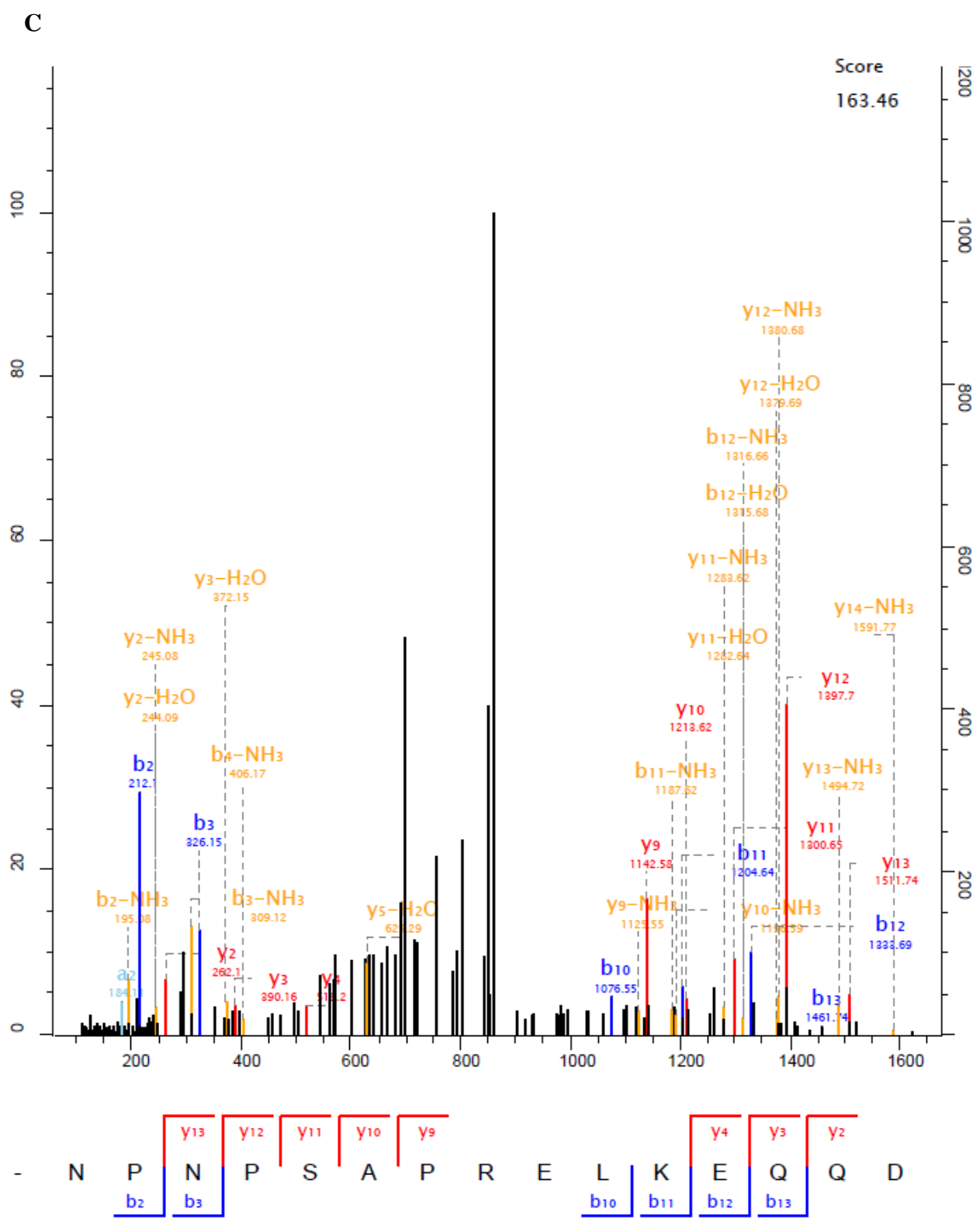
#	b	b ⁺⁺	b [*]	b ⁺⁺⁺	b ⁰	b ⁰⁺⁺	c	c ⁺⁺	Seq.	w	y	y ⁺⁺	y [*]	y ⁺⁺⁺	y ⁰	y ⁰⁺⁺	z+1	z+1 ⁺⁺	z+2	z+2 ⁺⁺	#
1	115.0502	58.0287	98.0237	49.5155			132.0768	66.5420	N												15
2	212.1030	106.5551	195.0764	98.0418			229.1295	115.0684	P	1565.7554	1608.7976	804.9025	1591.7711	796.3892	1590.7871	795.8972	1592.7789	796.8931	1593.7867	797.3970	14
3	326.1459	163.5766	309.1193	155.0633			343.1724	172.0899	N	1451.7125	1511.7449	756.3761	1494.7183	747.8628	1493.7343	747.3708	1495.7261	748.3667	1496.7340	748.8706	13
4	423.1987	212.1030	406.1721	203.5897			440.2252	220.6162	P	1354.6597	1397.7019	699.3546	1380.6754	690.8413	1379.6914	690.3493	1381.6832	691.3452	1382.6910	691.8492	12
5	510.2307	255.6190	493.2041	247.1057	492.2201	246.6137	527.2572	264.1323	S	1267.6277	1300.6492	650.8282	1283.6226	642.3149	1282.6386	641.8229	1284.6304	642.8189	1285.6383	643.3228	11
6	581.2678	291.1375	564.2413	282.6243	563.2572	282.1323	598.2943	299.6508	A												10
7	678.3206	339.6639	661.2940	331.1506	660.3100	330.6586	695.3471	348.1772	P	1099.5378	1142.5800	571.7937	1125.5535	563.2804	1124.5695	562.7884	1126.5613	563.7843	1127.5691	564.2882	9
8	834.4217	417.7145	817.3951	409.2012	816.4111	408.7092	851.4482	426.2278	R	943.4367	1045.5273	523.2673	1028.5007	514.7540	1027.5167	514.2620	1029.5085	515.2579	1030.5164	515.7618	8
9	963.4643	482.2358	946.4377	473.7225	945.4537	473.2305	980.4908	490.7490	E		889.4262	445.2167	872.3996	436.7034	871.4156	436.2114	873.4074	437.2074	874.4153	437.7113	7
10	1076.5483	538.7778	1059.5218	530.2645	1058.5378	529.7725	1093.5749	547.2911	L		760.3836	380.6954	743.3570	372.1821	742.3730	371.6901	744.3648	372.6861	745.3727	373.1900	6
11	1204.6433	602.8253	1187.6167	594.3120	1186.6327	593.8200	1221.6698	611.3386	K		647.2995	324.1534	630.2729	315.6401	629.2889	315.1481	631.2808	316.1440	632.2886	316.6479	5
12	1333.6859	667.3466	1316.6593	658.8333	1315.6753	658.3413	1350.7124	675.8599	E		519.2045	260.1059	502.1780	251.5926	501.1940	251.1006	503.1858	252.0965	504.1936	252.6005	4
13	1461.7445	731.3759	1444.7179	722.8626	1443.7339	722.3706	1478.7710	739.8891	Q		390.1619	195.5846	373.1354	187.0713	372.1514	186.5793	374.1432	187.5752	375.1510	188.0792	3
14	1589.8030	795.4052	1572.7765	786.8919	1571.7925	786.3999	1606.8296	803.9184	Q		262.1034	131.5553	245.0768	123.0420	244.0928	122.5500	246.0846	123.5460	247.0925	124.0499	2
15									D		134.0448	67.5260			116.0342	58.5207	118.0261	59.5167	119.0339	60.0206	1

B

Score: 61



#	b	b ⁺⁺	b [*]	b ⁺⁺⁺	b ⁰	b ⁰⁺⁺	c	c ⁺⁺	Seq.	w	y	y ⁺⁺	y [*]	y ⁺⁺⁺	y ⁰	y ⁰⁺⁺	z+1	z+1 ⁺⁺	z+2	z+2 ⁺⁺	#
1	115.0502	58.0287	98.0237	49.5155			132.0768	66.5420	N												15
2	212.1030	106.5551	195.0764	98.0418			229.1295	115.0684	P	1565.7554	1608.7976	804.9025	1591.7711	796.3892	1590.7871	795.8972	1592.7789	796.8931	1593.7867	797.3970	14
3	326.1459	163.5766	309.1193	155.0633			343.1724	172.0899	N	1451.7125	1511.7449	756.3761	1494.7183	747.8628	1493.7343	747.3708	1495.7261	748.3667	1496.7340	748.8706	13
4	423.1987	212.1030	406.1721	203.5897			440.2252	220.6162	P	1354.6597	1397.7019	699.3546	1380.6754	690.8413	1379.6914	690.3493	1381.6832	691.3452	1382.6910	691.8492	12
5	510.2307	255.6190	493.2041	247.1057	492.2201	246.6137	527.2572	264.1323	S	1267.6277	1300.6492	650.8282	1283.6226	642.3149	1282.6386	641.8229	1284.6304	642.8189	1285.6383	643.3228	11
6	581.2678	291.1375	564.2413	282.6243	563.2572	282.1323	598.2943	299.6508	A		1213.6171	607.3122	1196.5906	598.7989	1195.6066	598.3069	1197.5984	599.3028	1198.6062	599.8068	10
7	678.3206	339.6639	661.2940	331.1506	660.3100	330.6586	695.3471	348.1772	P	1099.5378	1142.5800	571.7937	1125.5535	563.2804	1124.5695	562.7884	1126.5613	563.7843	1127.5691	564.2882	9
8	834.4217	417.7145	817.3951	409.2012	816.4111	408.7092	851.4482	426.2278	R	943.4367	1045.5273	523.2673	1028.5007	514.7540	1027.5167	514.2620	1029.5085	515.2579	1030.5164	515.7618	8
9	963.4643	482.2358	946.4377	473.7225	945.4537	473.2305	980.4908	490.7490	E		889.4262	445.2167	872.3996	436.7034	871.4156	436.2114	873.4074	437.2074	874.4153	437.7113	7
10	1076.5483	538.7778	1059.5218	530.2645	1058.5378	529.7725	1093.5749	547.2911	L		760.3836	380.6954	743.3570	372.1821	742.3730	371.6901	744.3648	372.6861	745.3727	373.1900	6
11	1204.6433	602.8253	1187.6167	594.3120	1186.6327	593.8200	1221.6698	611.3386	K		647.2995	324.1534	630.2729	315.6401	629.2889	315.1481	631.2808	316.1440	632.2886	316.6479	5
12	1333.6859	667.3466	1316.6593	658.8333	1315.6753	658.3413	1350.7124	675.8599	E		519.2045	260.1059	502.1780	251.5926	501.1940	251.1006	503.1858	252.0965	504.1936	252.6005	4
13	1461.7445	731.3759	1444.7179	722.8626	1443.7339	722.3706	1478.7710	739.8891	Q		390.1619	195.5846	373.1354	187.0713	372.1514	186.5793	374.1432	187.5752	375.1510	188.0792	3
14	1589.8030	795.4052	1572.7765	786.8919	1571.7925	786.3999	1606.8296	803.9184	Q		262.1034	131.5553	245.0768	123.0420	244.0928	122.5500	246.0846	123.5460	247.0925	124.0499	2
15									D		134.0448	67.5260			116.0342	58.5207	118.0261	59.5167	119.0339	60.0206	1



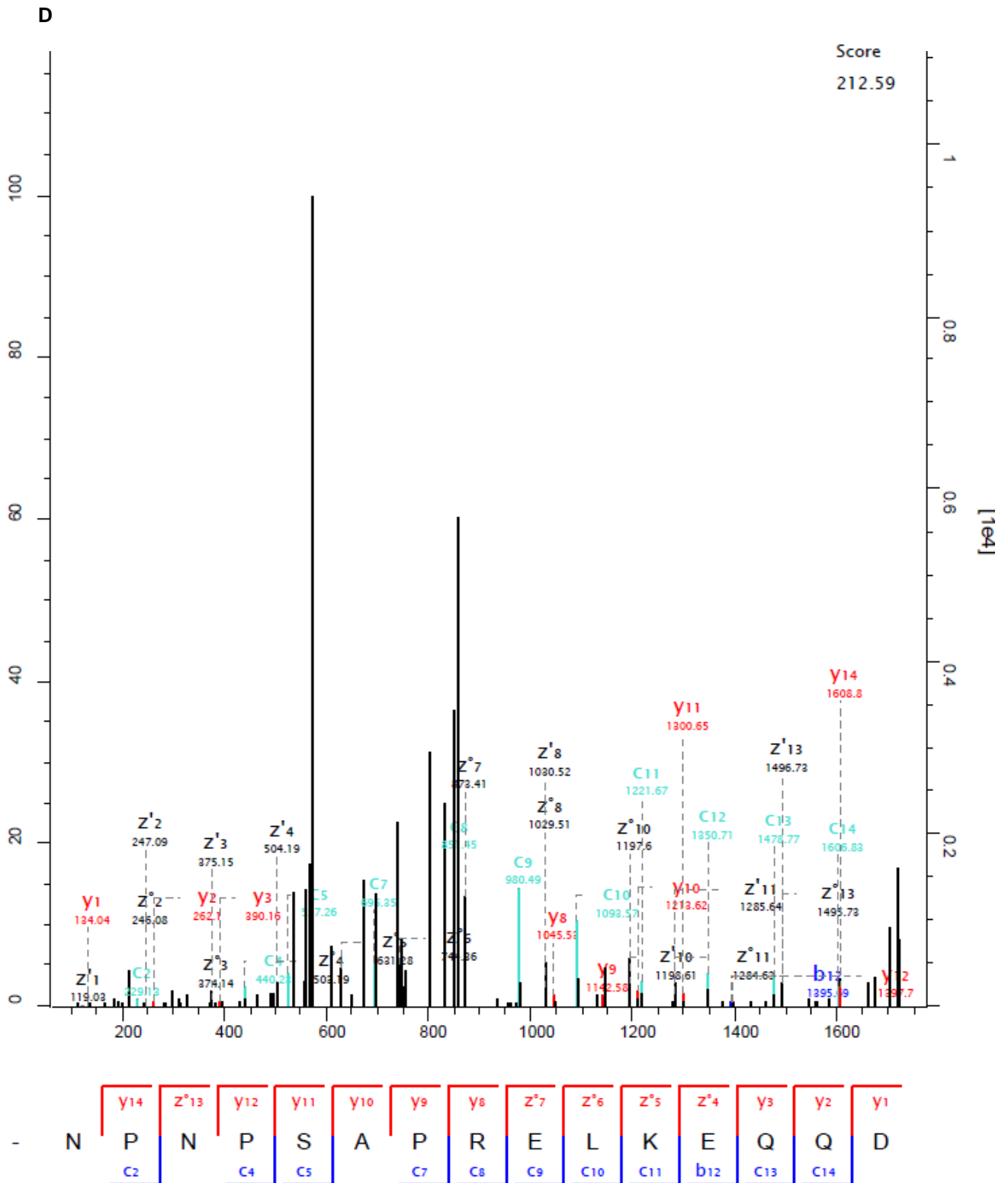


Fig. S6. MS/MS fragmentation spectra of the Asn408-Asp422 peptides in an overnight Arg-C digest of NPB- α 2AP as determined by Mascot analysis (A and B) and MaxQuant analysis (C and D). Best spectrum data is shown.