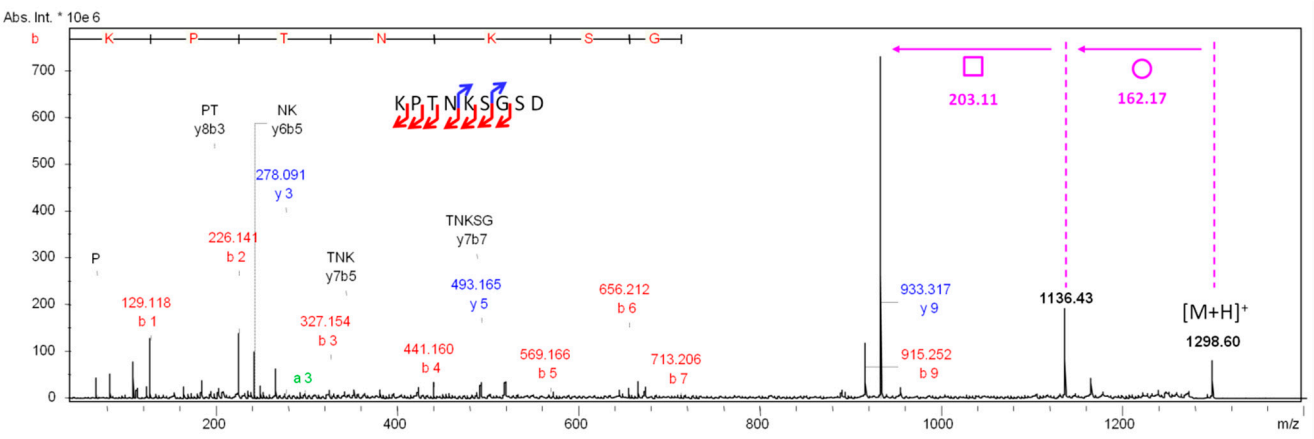
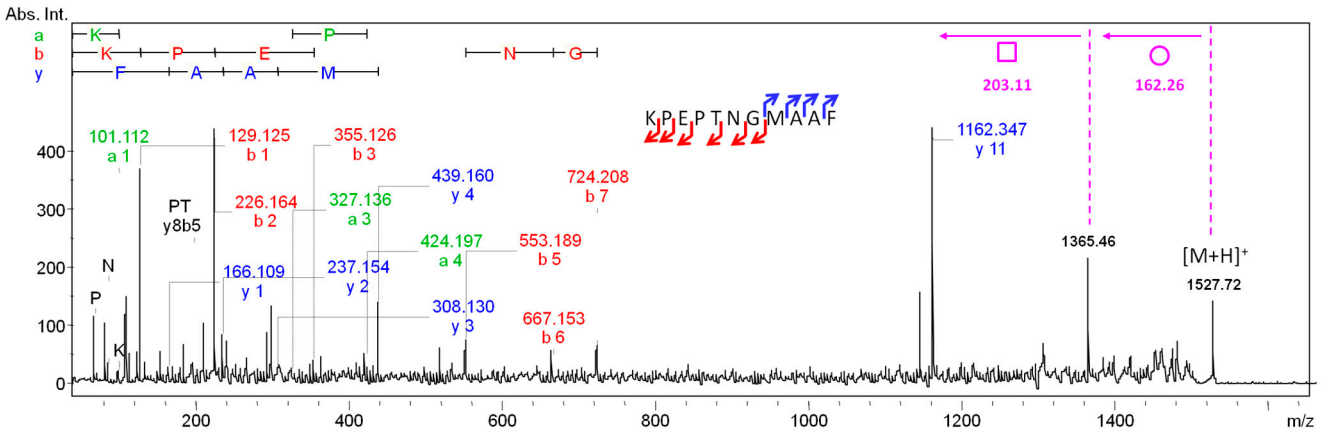
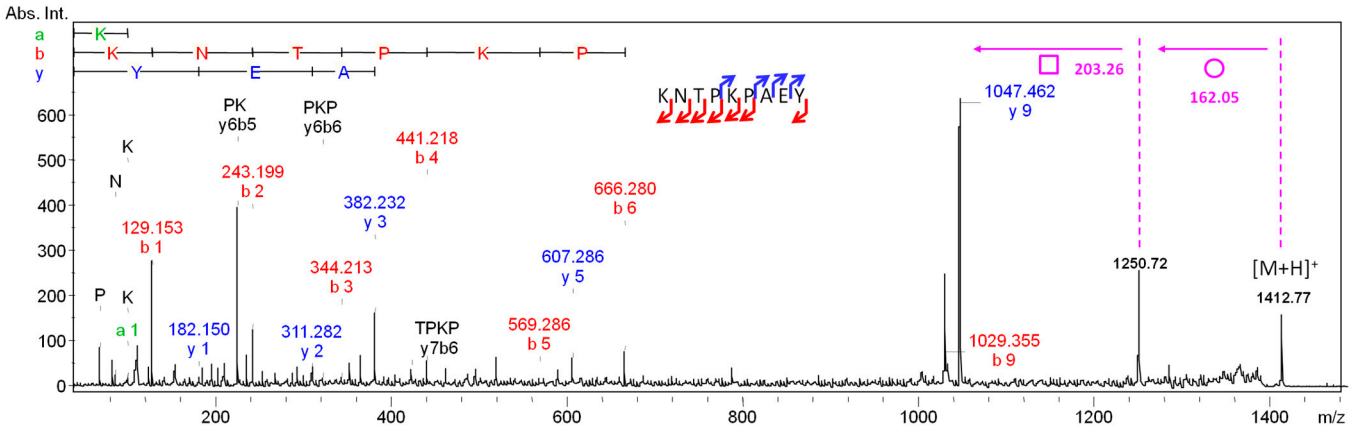
## Supplementary Material

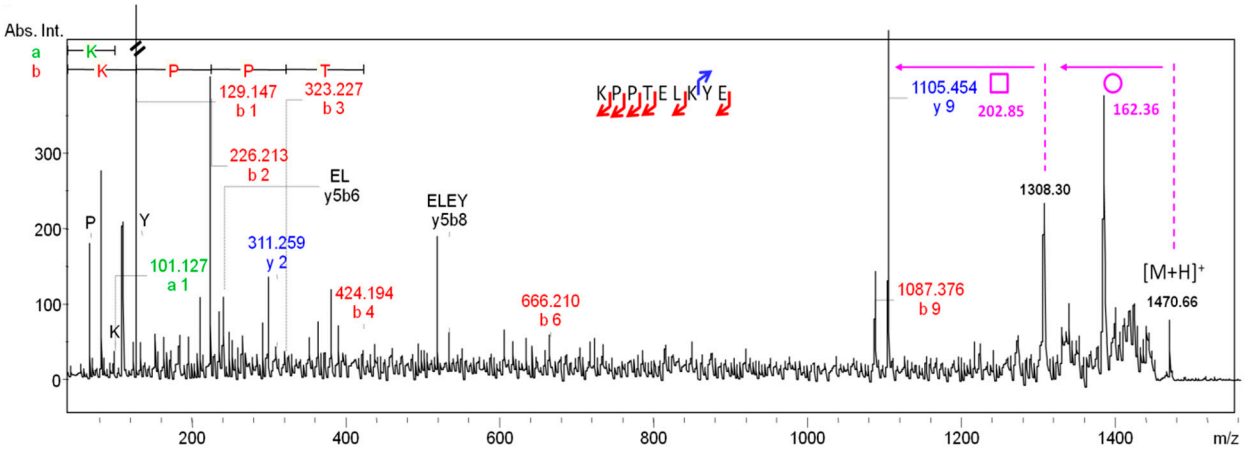
Table S1. Glycopeptides detected by UPLC-MALDI-MS/MS.

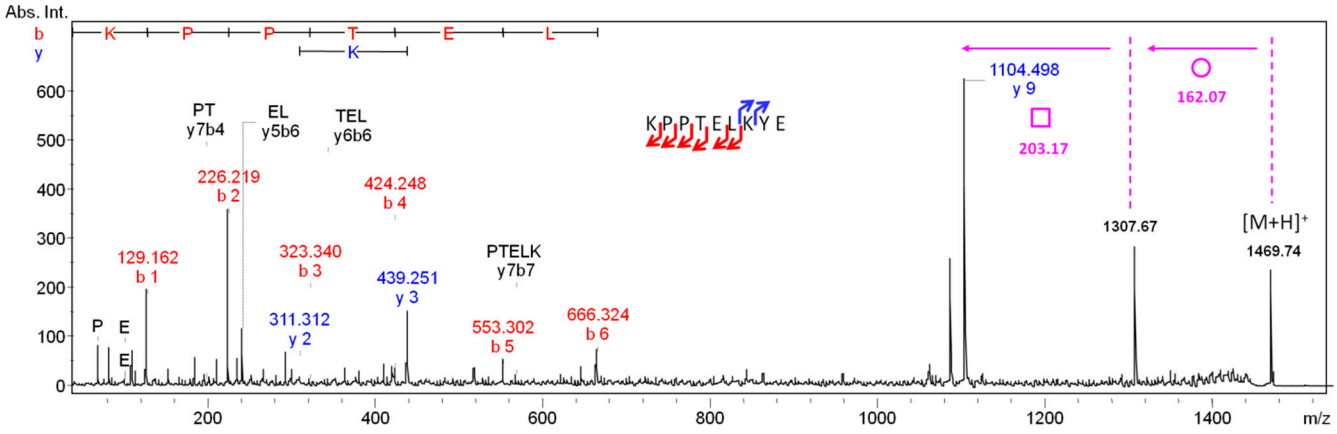
| Peptide # | Retention time (min) | Monoisotopic $[M+H]^+$ | Monoisotopic Mass (Da) | Peptide # | Retention time (min) | Monoisotopic $[M+H]^+$ | Monoisotopic Mass (Da) |
|---|---|---|---|---|---|---|---|
| 1 | 6,75 | 961,998 | 960,991 | 25 | 12,75 | 1712,929 | 1711,922 |
| 2 | 6,75 | 996,929 | 995,922 | 26 | 12,75 | 2400,090 | 2399,083 |
| 3 | 7,75 | 1341,722 | 1340,715 | 27 | 13,25 | 2458,103 | 2457,096 |
| 4 | 8,50 | 1412,574 | 1411,567 | 28 | 13,50 | 1324,764 | 1323,757 |
| 5 | 9,00 | 905,796 | 904,789 | 29 | 14,25 | 1087,993 | 1086,986 |
| 6 | 9,00 | 972,885 | 971,878 | 30 | 14,25 | 1145,561 | 1144,554 |
| 7 | 9,00 | 1469,774 | 1468,767 | 31 | 15,00 | 1562,798 | 1561,791 |
| 8 | 9,25 | 939,462 | 938,455 | 32 | 15,75 | 1538,808 | 1537,801 |
| 9 | 9,25 | 1470,619 | 1469,612 | 33 | 15,75 | 1620,921 | 1619,914 |
| 10 | 9,25 | 1582,818 | 1581,811 | 34 | 17,00 | 2513,262 | 2512,255 |
| 11 | 9,25 | 1604,823 | 1603,816 | 35 | 17,00 | 2596,189 | 2595,182 |
| 12 | 9,50 | 1298,323 | 1297,316 | 36 | 17,00 | 2600,295 | 2599,288 |
| 13 | 9,50 | 1527,681 | 1526,674 | 37 | 17,00 | 2699,313 | 2698,306 |
| 14 | 9,50 | 1566,771 | 1565,764 | 38 | 17,00 | 2715,322 | 2714,315 |
| 15 | 10,00 | 1420,700 | 1419,693 | 39 | 17,50 | 1003,412 | 1002,405 |
| 16 | 10,50 | 1399,727 | 1398,720 | 40 | 17,50 | 1474,735 | 1473,728 |
| 17 | 11,00 | 1016,921 | 1015,914 | 41 | 17,50 | 1620,800 | 1619,793 |
| 18 | 11,00 | 1469,774 | 1468,767 | 42 | 19,75 | 1414,758 | 1413,751 |
| 19 | 11,00 | 1412,754 | 1411,747 | 43 | 22,25 | 1258,656 | 1257,649 |
| 20 | 11,25 | 1470,762 | 1469,755 | 44 | 22,50 | 1555,795 | 1554,788 |
| 21 | 11,50 | 1653,834 | 1652,827 | 45 | 22,50 | 1578,782 | 1577,775 |
| 22 | 12,00 | 1411,429 | 1410,422 | 46 | 24,50 | 2187,086 | 2186,079 |
| 23 | 12,25 | 1074,537 | 1073,530 | 47 | 24,75 | 2165,096 | 2164,089 |
| 24 | 12,25 | 1654,817 | 1653,810 | 48 | 26,50 | 2100,043 | 2099,036 |

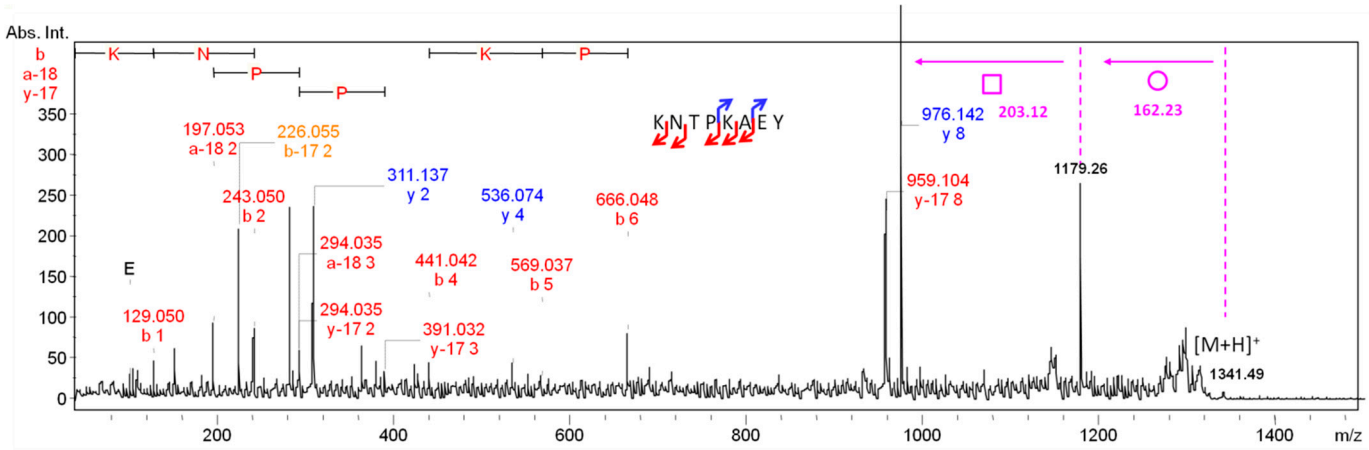

Abs. Int. * 10e 6
b
K P T N K S G S D
PT
y8b3
NK
y6b5
278.091
y 3
226.141
b 2
TNKSG
y7b7
TNK
y7b5
P
129.118
b 1
493.165
y 5
656.212
b 6
327.154
b 3
441.160
b 4
569.166
b 5
713.206
b 7
a 3
933.317
y 9
915.252
b 9
203.11
162.17
1136.43
[M+H]+
1298.60
m/z


Abs. Int.
a
b
y
K P E P T N G M A A F
203.11
162.26
101.112
a 1
129.125
b 1
355.126
b 3
439.160
y 4
724.208
b 7
PT
y8b5
226.164
b 2
327.136
a 3
424.197
a 4
553.189
b 5
N
166.109
y 1
237.154
y 2
P
308.130
y 3
667.153
b 6
K
1162.347
y 11
1365.46
[M+H]+
1527.72
m/z


Abs. Int.
a
b
y
K N T P K P A E Y
203.26
162.05
PK
y6b5
PKP
y6b6
K
441.218
b 4
N
243.199
b 2
382.232
y 3
666.280
b 6
129.153
b 1
607.286
y 5
344.213
b 3
P
K
a 1
182.150
y 1
311.282
y 2
TPKP
y7b6
569.286
b 5
1047.462
y 9
1250.72
[M+H]+
1412.77
1029.355
b 9
m/z


Abs. Int.
a
b
K
K P P T
129.147
b 1
323.227
b 3
226.213
b 2
EL
y5b6
ELEY
y5b8
311.259
y 2
101.127
a 1
424.194
b 4
666.210
b 6
1087.376
b 9
1105.454
y 9
202.85
162.36
1308.30
[M+H]+
1470.66
KPPTELKYE
200
400
600
800
1000
1200
1400
m/z


Abs. Int.
b
y
K P P T E L
K
PT
y7b4
EL
y5b6
TEL
y6b6
226.219
b 2
424.248
b 4
129.162
b 1
323.340
b 3
PTELK
y7b7
439.251
y 3
311.312
y 2
553.302
b 5
666.324
b 6
1104.498
y 9
203.17
162.07
1307.67
[M+H]+
1469.74
KPPTELKYE
200
400
600
800
1000
1200
1400
m/z


Abs. Int.
b
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y-17
K N P P K P
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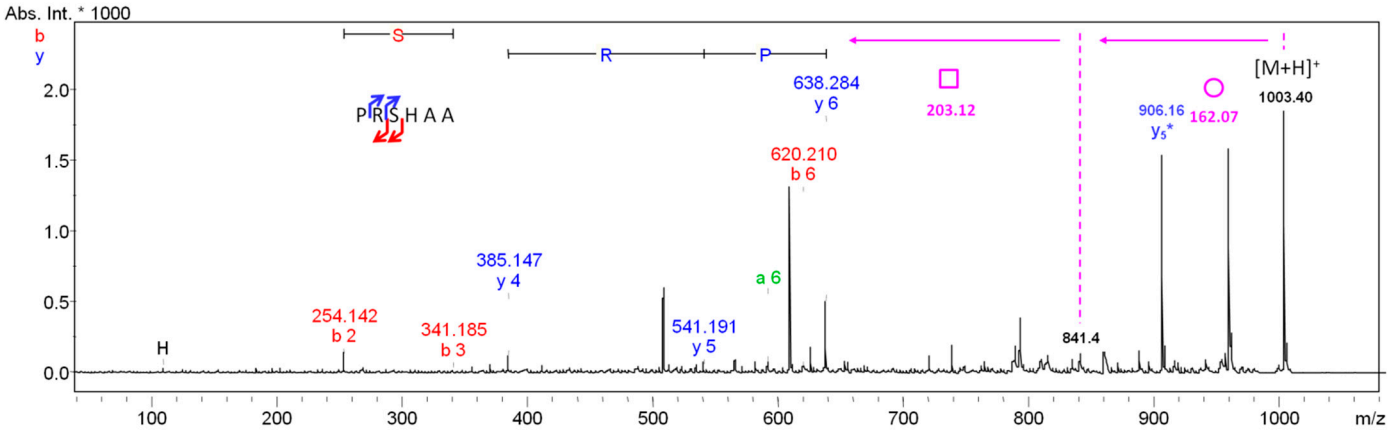
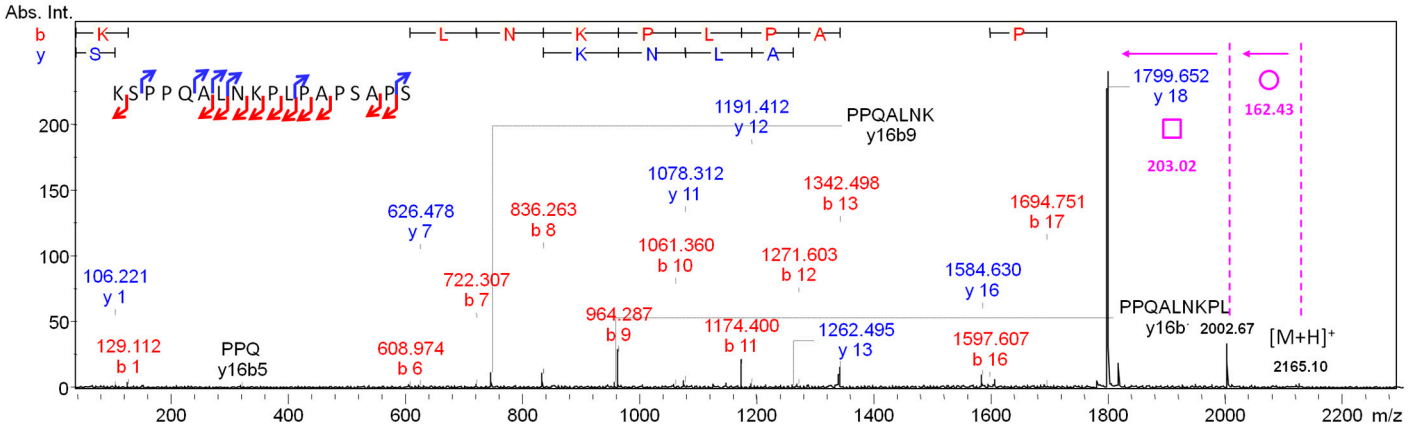
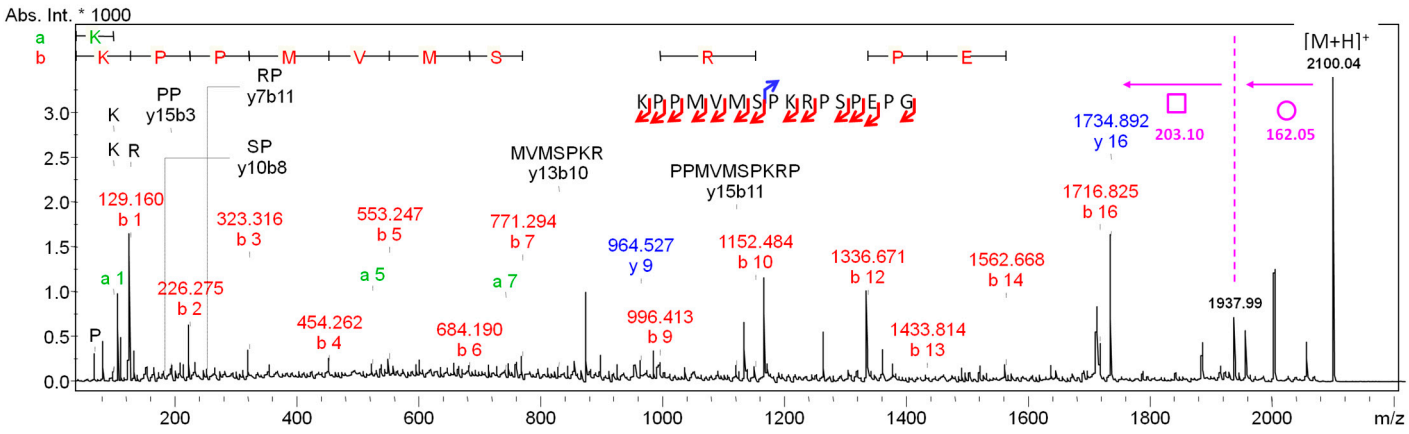
a-18 2
226.055
b-17 2
311.137
y 2
243.050
b 2
536.074
y 4
666.048
b 6
294.035
a-18 3
441.042
b 4
569.037
b 5
E
129.050
b 1
294.035
y-17 2
391.032
y-17 3
976.142
y 8
203.12
162.23
959.104
y-17 8
1179.26
[M+H]+
1341.49
KNTPKAIEY
200
400
600
800
1000
1200
1400
m/z


Abs. Int. * 1000
b
y
S
R
P
P R S H A A
638.284
y 6
203.12
906.16
y5*
162.07
[M+H]+
1003.40
620.210
b 6
385.147
y 4
a 6
254.142
b 2
341.185
b 3
541.191
y 5
841.4
H
m/z


Abs. Int.
b
y
K
S
L N K P L P A
K N L A
P
K S P P Q A L N K P L P A P S A P S
1799.652
y 18
162.43
203.02
1191.412
y 12
PPQALNK
y16b9
1078.312
y 11
1342.498
b 13
1694.751
b 17
626.478
y 7
836.263
b 8
1061.360
b 10
1271.603
b 12
1584.630
y 16
106.221
y 1
722.307
b 7
964.287
b 9
1174.400
b 11
1262.495
y 13
1597.607
b 16
PPQALNKPL
y16b
2002.67
[M+H]+
2165.10
129.112
b 1
PPQ
y16b5
608.974
b 6
m/z


Abs. Int. * 1000
a
b
K
K P P M V M S
R
P E
[M+H]+
2100.04
RP
y7b11
PP
y15b3
K
K R
SP
y10b8
K P P M V M S P K R P S P E P G
1734.892
y 16
203.10
162.05
MVMSPKR
y13b10
PPMVMSPKRP
y15b11
1716.825
b 16
129.160
b 1
323.316
b 3
553.247
b 5
771.294
b 7
964.527
y 9
1152.484
b 10
1336.671
b 12
1562.668
b 14
a 1
a 5
a 7
226.275
b 2
454.262
b 4
684.190
b 6
996.413
b 9
1433.814
b 13
1937.99
P
m/z

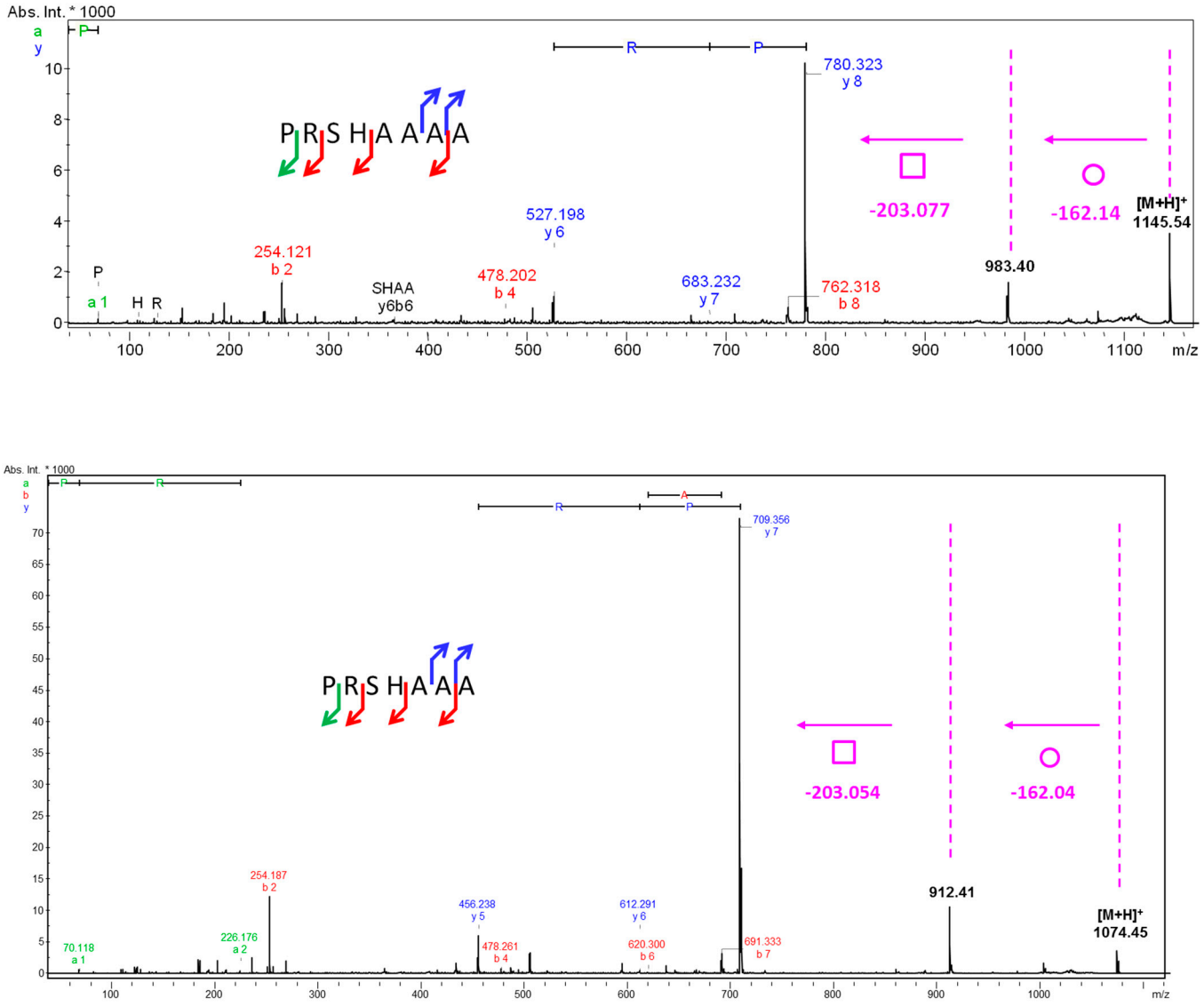



Figure S1. *de novo* sequencing by UPLC-MALDI-MS/MS.

Table S2. Glycopeptides detected by nanoLC-nanoESI-MS/MS.

| # | RT (min) | Mr (Da) | HexNAc | SA-$H_2O$ | Sialic acid (SA) | Hex-HexNAc |
|---|---|---|---|---|---|---|
| 1 | 12.37 | 3055.13046 | -- | X | X | X |
| 2 | 12.46 | 3258.21426 | -- | X | -- | X |
| 3 | 14.13 | 897.51464 | X | X | X | -- |
| 4 | 13.7 | 1002.48784 | X | -- | -- | X |
| 5 | 14.63 | 1097.50724 | X | -- | -- | X |
| 6 | 15.7 | 1098.60004 | X | -- | -- | X |
| 7 | 14.83 | 1117.51124 | X | -- | -- | X |
| 8 | 14.63 | 1117.51444 | X | -- | -- | X |
| 9 | 14.25 | 1117.51984 | X | -- | -- | X |
| 10 | 13.63 | 1174.57364 | X | X | -- | X |
| 11 | 13.86 | 1188.55144 | X | -- | -- | X |
| 12 | 15.9 | 1191.53004 | X | -- | -- | X |
| 13 | 14.42 | 1259.58804 | X | -- | -- | X |
| 14 | 14.17 | 1275.60524 | X | X | X | -- |
| 15 | 7.66 | 1276.52804 | X | X | -- | X |
| 16 | 14.15 | 1283.56104 | X | -- | -- | X |
| 17 | 14.86 | 1287.58424 | X | -- | -- | X |
| 18 | 14.28 | 1293.58244 | X | X | -- | X |
| 19 | 14.88 | 1298.58404 | X | -- | -- | X |
| 20 | 14.84 | 1303.56064 | X | X | -- | X |
| 21 | 14.74 | 1303.56704 | X | -- | -- | X |
| 22 | 14.38 | 1321.57704 | X | X | X | -- |
| 23 | 15.86 | 1328.66984 | X | X | -- | X |
| 24 | 16.45 | 1328.67064 | X | -- | -- | X |
| 25 | 16.04 | 1328.67124 | X | X | -- | X |
| 26 | 15.69 | 1349.57244 | X | -- | -- | X |
| 27 | 17.62 | 1356.66604 | X | -- | -- | X |
| 28 | 13.91 | 1392.60544 | -- | X | X | -- |
| 29 | 14.79 | 1392.61304 | X | -- | -- | X |
| 30 | 16.62 | 1399.65604 | X | X | X | X |
| 31 | 15.92 | 1399.65764 | X | -- | -- | X |
| 32 | 16.43 | 1401.78684 | X | X | -- | X |
| 33 | 14.32 | 1405.58764 | X | -- | -- | X |
| 34 | 15.42 | 1413.74404 | X | -- | -- | X |
| 35 | 15.62 | 1413.74784 | X | -- | -- | X |
| 36 | 15.59 | 1413.74796 | X | -- | -- | X |
| 37 | 16.08 | 1428.66384 | X | -- | -- | X |
| 38 | 15 | 1432.36924 | X | X | -- | X |
| 39 | 16.78 | 1433.58084 | X | X | -- | X |
| 40 | 14.63 | 1433.58164 | X | -- | -- | X |
| 41 | 16.58 | 1433.58204 | X | X | -- | X |
| 42 | 14.31 | 1435.65784 | X | X | X | X |

| | | | | | | |
|---|---|---|---|---|---|---|
| 43 | 15.91 | 1441.74304 | X | -- | -- | X |
| 44 | 15.99 | 1442.71184 | X | X | -- | X |
| 45 | 16.17 | 1442.71364 | X | X | -- | X |
| 46 | 6.2 | 1450.59264 | X | -- | -- | X |
| 47 | 14.53 | 1462.68824 | X | X | X | X |
| 48 | 17.65 | 1470.70764 | X | -- | -- | X |
| 49 | 15.05 | 1473.73146 | X | -- | -- | X |
| 50 | 15.02 | 1502.63844 | X | X | -- | X |
| 51 | 14.84 | 1502.63864 | -- | -- | -- | X |
| 52 | 14.64 | 1503.69264 | X | -- | -- | X |
| 53 | 16.76 | 1518.67084 | X | -- | -- | X |
| 54 | 16.98 | 1518.67084 | X | -- | -- | X |
| 55 | 17.38 | 1518.67344 | X | -- | -- | X |
| 56 | 15.43 | 1530.63504 | X | -- | -- | X |
| 57 | 15.15 | 1530.63604 | X | X | -- | X |
| 58 | 5.41 | 1538.64224 | X | -- | -- | X |
| 59 | 13.82 | 1544.74844 | X | -- | -- | X |
| 60 | 14.67 | 1544.76784 | X | -- | -- | X |
| 61 | 14.7 | 1544.76966 | X | -- | -- | X |
| 62 | 14.94 | 1555.54484 | -- | X | -- | X |
| 63 | 14.08 | 1564.71104 | X | X | X | X |
| 64 | 15.12 | 1572.76464 | X | -- | -- | X |
| 65 | 14.79 | 1590.72364 | X | -- | -- | X |
| 66 | 17.77 | 1615.72244 | X | -- | -- | X |
| 67 | 17.97 | 1615.72284 | X | -- | -- | X |
| 68 | 15.1 | 1615.80484 | X | -- | -- | X |
| 69 | 15.08 | 1615.80636 | X | -- | -- | X |
| 70 | 15.93 | 1618.72804 | X | X | -- | X |
| 71 | 17.9 | 1632.75024 | X | -- | -- | X |
| 72 | 17.31 | 1652.77944 | X | -- | -- | X |
| 73 | 14.32 | 1658.71384 | X | X | X | X |
| 74 | 14.54 | 1664.85096 | X | -- | -- | X |
| 75 | 15.3 | 1684.87326 | X | -- | -- | X |
| 76 | 14.56 | 1686.71164 | X | X | X | X |
| 77 | 16.99 | 1704.84396 | X | X | X | X |
| 78 | 16.86 | 1733.80944 | X | X | X | X |
| 79 | 14.37 | 1737.84786 | X | -- | -- | X |
| 80 | 13.23 | 1753.83936 | X | -- | -- | X |
| 81 | 14.18 | 1756.62024 | X | X | -- | X |
| 82 | 18.18 | 1759.80444 | X | X | X | X |
| 83 | 18.37 | 1761.80244 | X | X | X | X |
| 84 | 17.03 | 1761.80424 | X | X | X | X |
| 85 | 14.54 | 1800.78724 | X | X | X | X |
| 86 | 14.19 | 1804.77164 | X | X | X | X |
| 87 | 15.62 | 1807.84424 | X | X | -- | X |
| 88 | 13.73 | 1826.81224 | X | -- | -- | X |

| | | | | | | |
|---|---|---|---|---|---|---|
| 89 | 14.85 | 1838.86416 | X | -- | -- | X |
| 90 | 15.69 | 1850.82606 | X | -- | -- | X |
| 91 | 15.44 | 1866.84204 | X | X | -- | X |
| 92 | 13.84 | 1875.80884 | X | X | X | X |
| 93 | 12.83 | 1899.76804 | X | X | X | X |
| 94 | 13.85 | 1914.90366 | X | X | -- | X |
| 95 | 13.48 | 1914.91836 | X | -- | -- | X |
| 96 | 13.25 | 1950.83524 | X | X | X | X |
| 97 | 13.25 | 1951.83636 | X | X | -- | X |
| 98 | 15.44 | 1953.90264 | X | X | -- | X |
| 99 | 13.96 | 1955.85824 | X | -- | -- | X |
| 100 | 13.54 | 1979.82816 | -- | X | -- | -- |
| 101 | 13.82 | 2000.88216 | -- | X | X | -- |
| 102 | 14.09 | 2094.09786 | X | -- | -- | X |
| 103 | 16.8 | 2098.94016 | X | X | X | X |
| 104 | 16.55 | 2098.94104 | X | X | X | X |
| 105 | 16.75 | 2098.94264 | X | X | X | X |
| 106 | 12.92 | 2118.96936 | X | -- | -- | X |
| 107 | 17.46 | 2126.93644 | X | X | X | X |
| 108 | 17.27 | 2126.93664 | X | X | X | X |
| 109 | 16.78 | 2126.94484 | X | X | X | X |
| 110 | 15.28 | 2244.06126 | X | -- | -- | X |
| 111 | 16.33 | 2244.99544 | X | X | X | X |
| 112 | 16.51 | 2245.00184 | X | X | X | X |
| 113 | 16.74 | 2272.98544 | X | X | X | X |
| 114 | 13.47 | 2280.99546 | -- | -- | -- | X |
| 115 | 13.16 | 2316.96576 | X | X | X | X |
| 116 | 13.01 | 2399.08596 | X | -- | -- | X |
| 117 | 12.4 | 2552.29888 | X | X | -- | X |
| 118 | 14.4 | 2606.78496 | X | -- | -- | X |
| 119 | 14.06 | 2607.2451 | -- | X | X | X |
| 120 | 12.93 | 2654.31248 | X | -- | -- | X |
| 121 | 14.96 | 2698.23008 | X | -- | -- | X |
| 122 | 14.25 | 2710.43248 | -- | -- | -- | X |
| 123 | 14.41 | 2714.23026 | X | -- | -- | X |
| 124 | 14.99 | 2742.21486 | X | X | -- | X |
| 125 | 14.68 | 2742.21808 | X | -- | -- | X |
| 126 | 14.8 | 2742.22356 | X | X | -- | X |
| 127 | 14.62 | 2772.22986 | X | -- | -- | X |
| 128 | 14.59 | 2772.23368 | X | -- | -- | X |
| 129 | 15.08 | 2772.30128 | X | -- | -- | X |
| 130 | 15.08 | 2772.30276 | X | -- | -- | X |
| 131 | 14.3 | 2788.29408 | X | -- | -- | X |
| 132 | 14.12 | 2788.29448 | X | -- | -- | X |
| 133 | 14.85 | 2800.23368 | X | -- | -- | X |
| 134 | 12.74 | 2807.4146 | X | -- | -- | X |

| | | | | | | |
|---|---|---|---|---|---|---|
| 135 | 15.32 | 2831.30448 | X | X | -- | X |
| 136 | 12.83 | 2914.39008 | -- | -- | -- | X |
| 137 | 12.85 | 2960.43128 | X | -- | -- | X |
| 138 | 13.51 | 2973.4781 | -- | -- | -- | X |
| 139 | 15.39 | 3019.2106 | -- | -- | -- | X |
| 140 | 13.46 | 3039.5126 | -- | X | -- | X |
| 141 | 14.25 | 3098.88786 | -- | -- | -- | X |
| 142 | 12.7 | 3193.60168 | -- | X | -- | X |
| 143 | 12.65 | 3193.6036 | -- | -- | -- | X |
| 144 | 14.45 | 3197.4141 | -- | X | -- | X |
| 145 | 13.19 | 3198.5956 | -- | -- | -- | X |
| 146 | 13.09 | 3288.6701 | -- | -- | -- | X |
| 147 | 13.6 | 3307.5061 | -- | -- | -- | X |
| 148 | 13.66 | 3325.50888 | -- | -- | -- | X |
| 149 | 14.31 | 3343.2216 | -- | -- | -- | X |
| 150 | 12.77 | 3349.64608 | -- | X | -- | X |
| 151 | 14.83 | 3355.5101 | -- | -- | -- | X |
| 152 | 14.26 | 3370.5041 | -- | X | -- | X |
| 153 | 13.84 | 3385.6726 | -- | X | X | X |
| 154 | 13.58 | 3415.6146 | -- | -- | -- | X |
| 155 | 13.37 | 3453.5991 | -- | -- | -- | X |
| 156 | 12.91 | 3486.5391 | -- | -- | -- | X |
| 157 | 15.63 | 3501.5971 | -- | -- | -- | X |
| 158 | 14.57 | 3512.7326 | -- | X | X | X |
| 159 | 12.99 | 3560.71872 | -- | -- | -- | X |
| 160 | 12.98 | 3561.73888 | -- | -- | -- | X |
| 161 | 13.65 | 3568.6261 | -- | -- | -- | X |
| 162 | 13.38 | 3573.7616 | -- | -- | -- | X |
| 163 | 13 | 3581.6911 | -- | -- | -- | X |
| 164 | 13.12 | 3639.7121 | -- | -- | -- | X |
| 165 | 15.03 | 3640.6516 | -- | -- | -- | X |
| 166 | 15.05 | 3640.65252 | -- | -- | -- | X |
| 167 | 14.82 | 3640.6601 | -- | -- | -- | X |
| 168 | 12.76 | 3649.78648 | -- | X | -- | X |
| 169 | 13.12 | 3661.82848 | -- | X | X | X |
| 170 | 15.39 | 3668.6366 | -- | X | X | X |
| 171 | 13.34 | 3668.6951 | -- | X | X | X |
| 172 | 15.06 | 3672.80888 | -- | -- | -- | X |
| 173 | 12.84 | 3677.8021 | -- | -- | -- | X |
| 174 | 13.21 | 3696.7216 | -- | -- | -- | X |
| 175 | 14.58 | 3750.7371 | -- | X | -- | X |
| 176 | 13.31 | 3754.7236 | -- | -- | -- | X |
| 177 | 14.56 | 3767.9271 | -- | X | X | X |
| 178 | 13.66 | 3878.8351 | -- | -- | -- | X |
| 179 | 15 | 3883.7696 | -- | X | -- | X |
| 180 | 13.72 | 3896.8251 | -- | -- | -- | X |

| | | | | | | |
|---|---|---|---|---|---|---|
| 181 | 13.91 | 3896.8426 | -- | -- | -- | X |
| 182 | 14.19 | 3924.8261 | -- | X | X | X |
| 183 | 15.22 | 3941.7856 | -- | -- | X | X |
| 184 | 13.92 | 3954.8491 | -- | -- | -- | X |
| 185 | 14.92 | 3991.8941 | -- | -- | X | X |
| 186 | 14.21 | 3993.8561 | -- | -- | -- | X |
| 187 | 14.81 | 3995.87592 | -- | -- | -- | X |
| 188 | 15.05 | 4009.9106 | -- | -- | -- | X |
| 189 | 15.09 | 4009.91794 | -- | -- | -- | X |
| 190 | 14.5 | 4009.9216 | -- | -- | -- | X |
| 191 | 15.11 | 4009.92432 | -- | -- | -- | X |
| 192 | 14.24 | 4011.86534 | -- | -- | -- | X |
| 193 | 14.31 | 4011.8756 | -- | -- | -- | X |
| 194 | 15.26 | 4037.9331 | -- | -- | -- | X |
| 195 | 15.26 | 4067.9266 | -- | -- | -- | X |
| 196 | 14.7 | 4067.92692 | -- | -- | -- | X |
| 197 | 14.39 | 4069.8731 | -- | -- | -- | X |
| 198 | 14.73 | 4092.9286 | -- | -- | -- | X |
| 199 | 14.56 | 4097.85732 | -- | -- | X | X |
| 200 | 15.45 | 4106.9376 | -- | -- | -- | X |
| 201 | 14.87 | 4106.93892 | -- | -- | -- | X |
| 202 | 15.41 | 4106.94012 | -- | -- | -- | X |
| 203 | 14.9 | 4106.9406 | -- | -- | -- | X |
| 204 | 15.59 | 4123.9346 | -- | -- | -- | X |
| 205 | 14.91 | 4124.9446 | -- | -- | -- | X |
| 206 | 14.95 | 4124.95944 | -- | -- | -- | X |
| 207 | 15.6 | 4124.96248 | -- | -- | -- | X |
| 208 | 15.79 | 4152.9456 | -- | -- | X | X |
| 209 | 15.23 | 4152.9461 | -- | -- | -- | X |
| 210 | 15.05 | 4164.9456 | -- | -- | X | X |
| 211 | 15.12 | 4182.95472 | -- | -- | -- | X |
| 212 | 15.12 | 4182.9576 | -- | -- | -- | X |
| 213 | 15.31 | 4211.9541 | -- | -- | X | X |
| 214 | 14.24 | 4310.0656 | -- | -- | -- | X |
| 215 | 14.23 | 4310.08272 | -- | -- | -- | X |
| 216 | 14.24 | 4311.06774 | -- | -- | -- | X |
| 217 | 12.22 | 4352.91432 | -- | -- | -- | X |
| 218 | 14.36 | 4369.07712 | -- | -- | -- | X |
| 219 | 14.84 | 4423.15092 | -- | -- | -- | X |
| 220 | 14.89 | 4424.1466 | -- | -- | -- | X |
| 221 | 15.8 | 4451.14752 | -- | -- | -- | X |
| 222 | 12.96 | 4456.04532 | -- | -- | -- | X |
| 223 | 15.6 | 4480.09812 | -- | -- | -- | X |
| 224 | 14.99 | 4481.16192 | -- | -- | -- | X |
| 225 | 12.84 | 4823.95032 | -- | -- | -- | X |
| 226 | 12.87 | 4849.18032 | -- | -- | -- | X |

| | | | | | | |
|---|---|---|---|---|---|---|
| 227 | 12.88 | 4850.14334 | -- | -- | -- | X |
| 228 | 12.57 | 5235.08172 | -- | -- | -- | X |
| 229 | 13.82 | 6802.88256 | -- | X | -- | X |
| 230 | 16.48 | 3014.28248 | -- | X | X | X |
| 231 | 16.3 | 4152.9341 | -- | -- | X | X |
| 232 | 15.95 | 4508.14512 | -- | -- | -- | X |

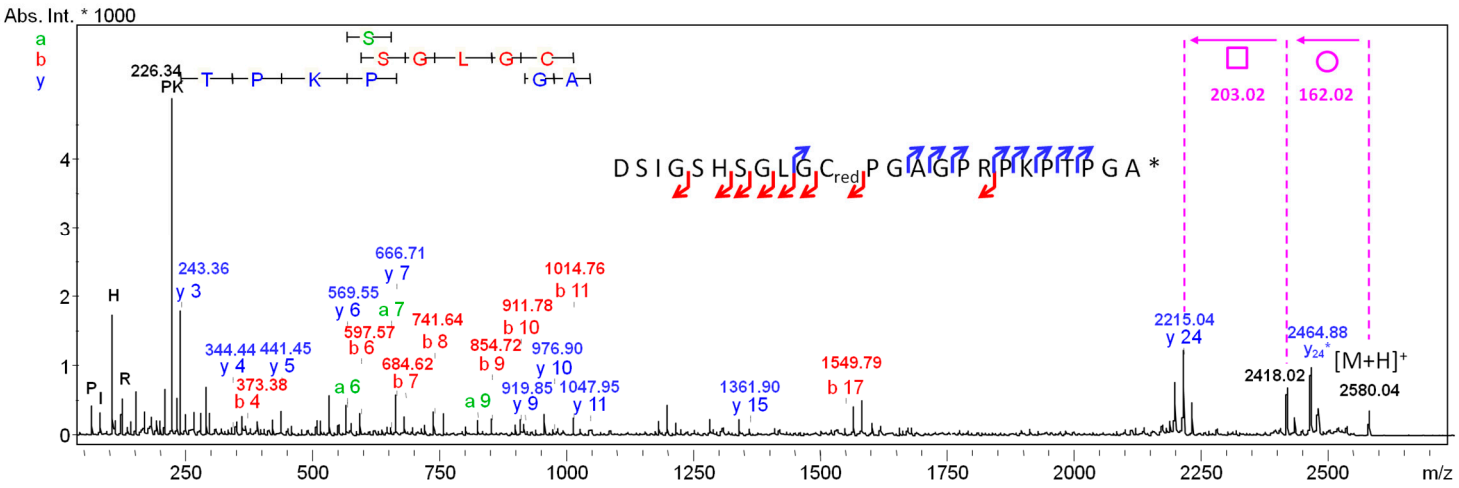



**Figure S2 - MS/MS spectrum of P2 isoform**

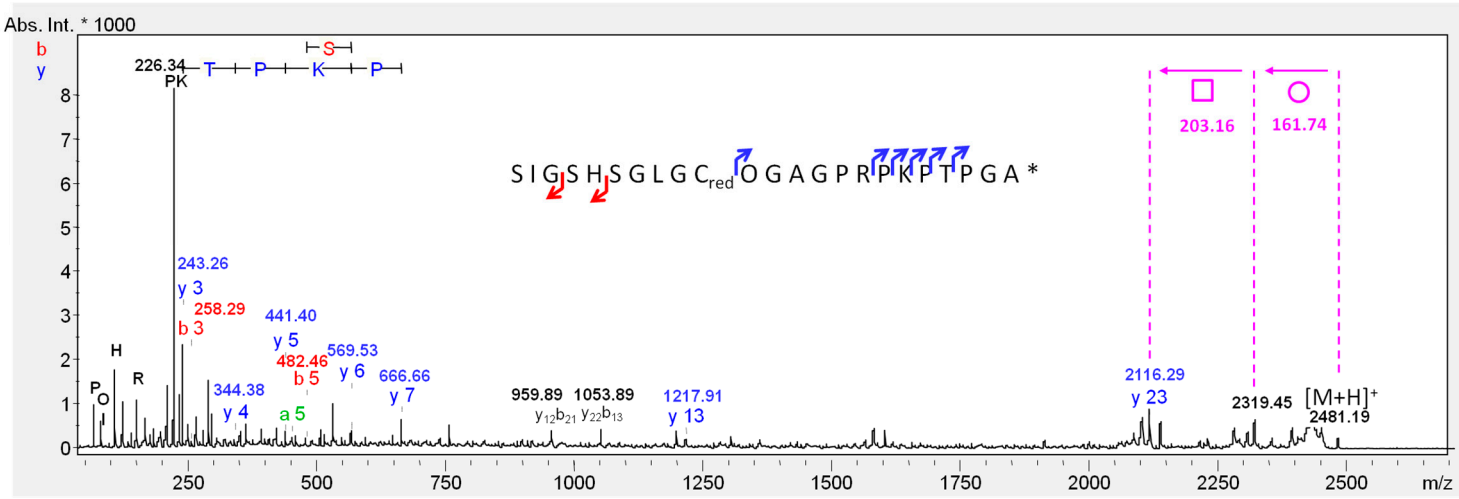



**Figure S3 - MS/MS spectrum of P3 isoform**

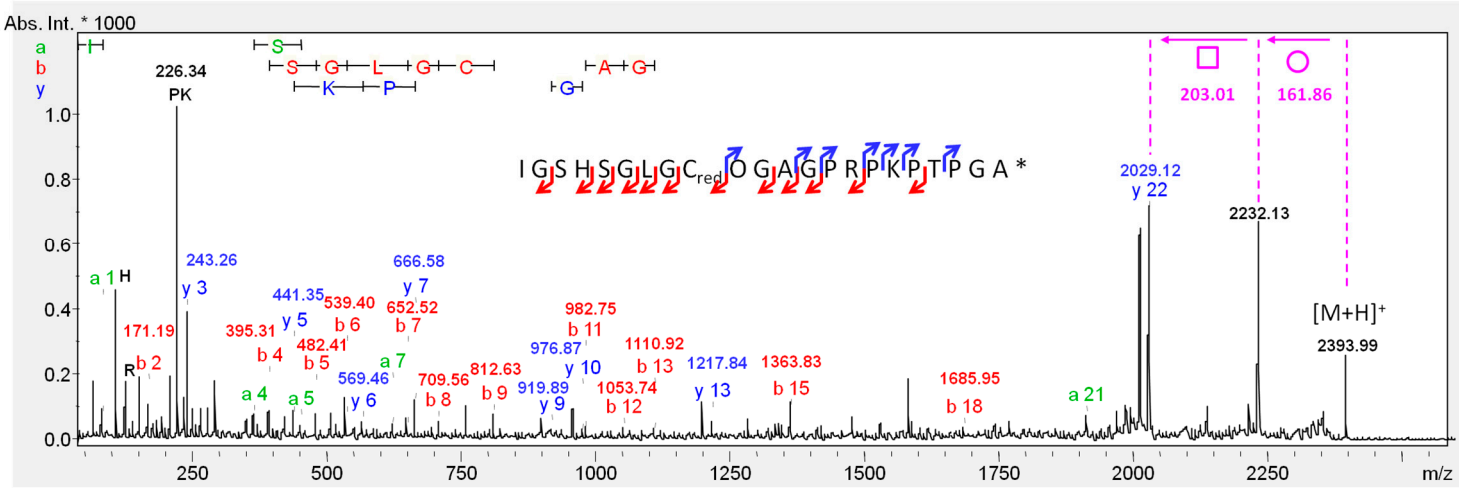



**Figure S4 - MS/MS spectrum of P4 isoform**