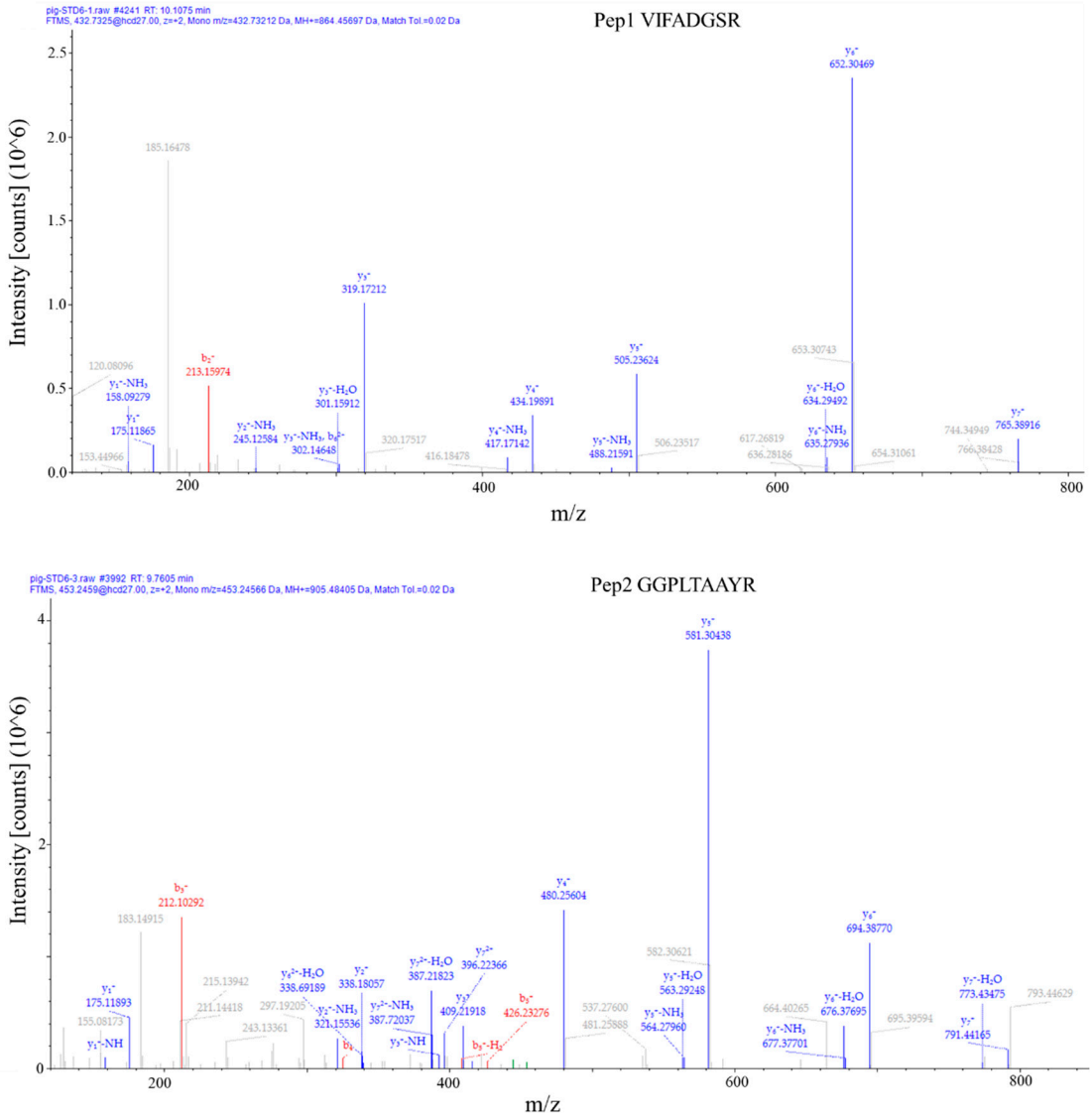
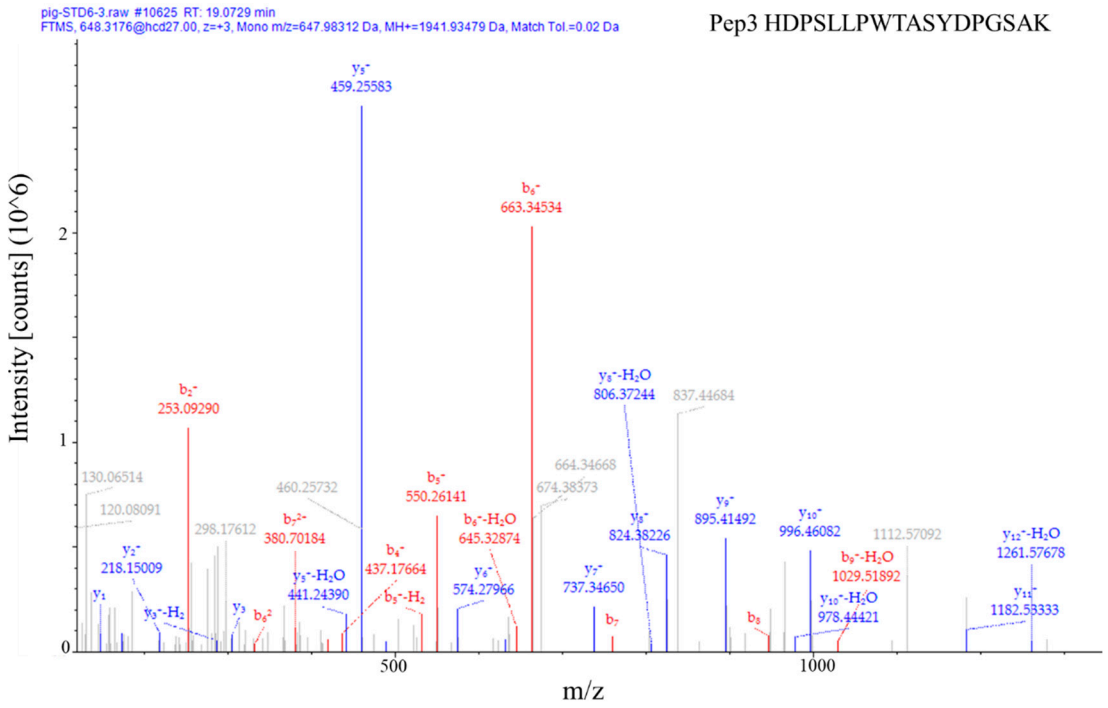
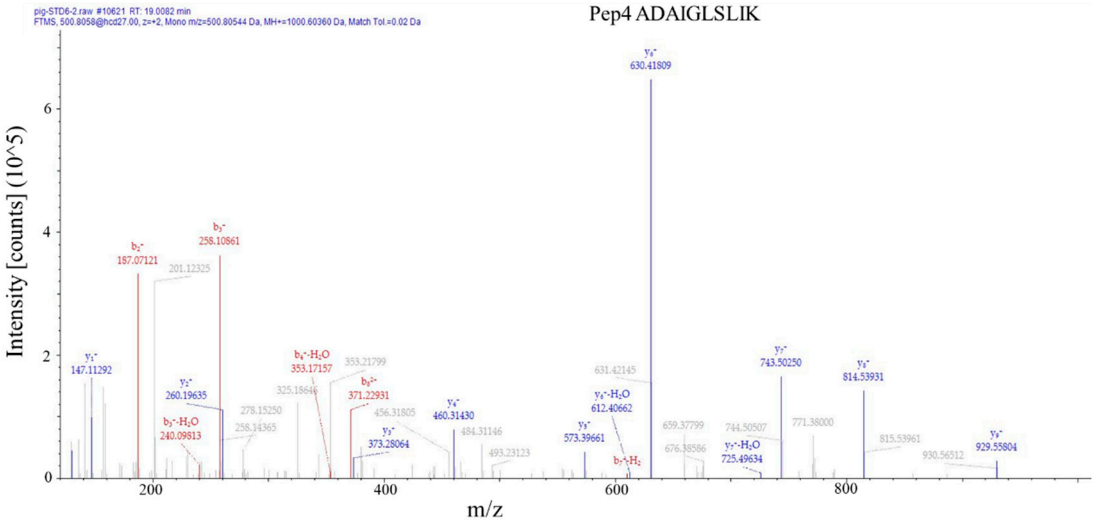
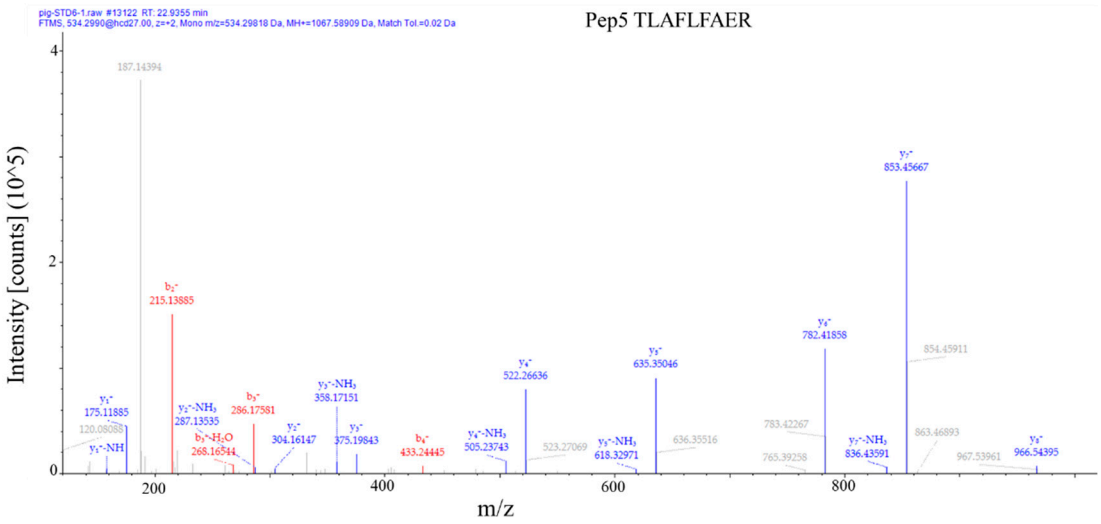
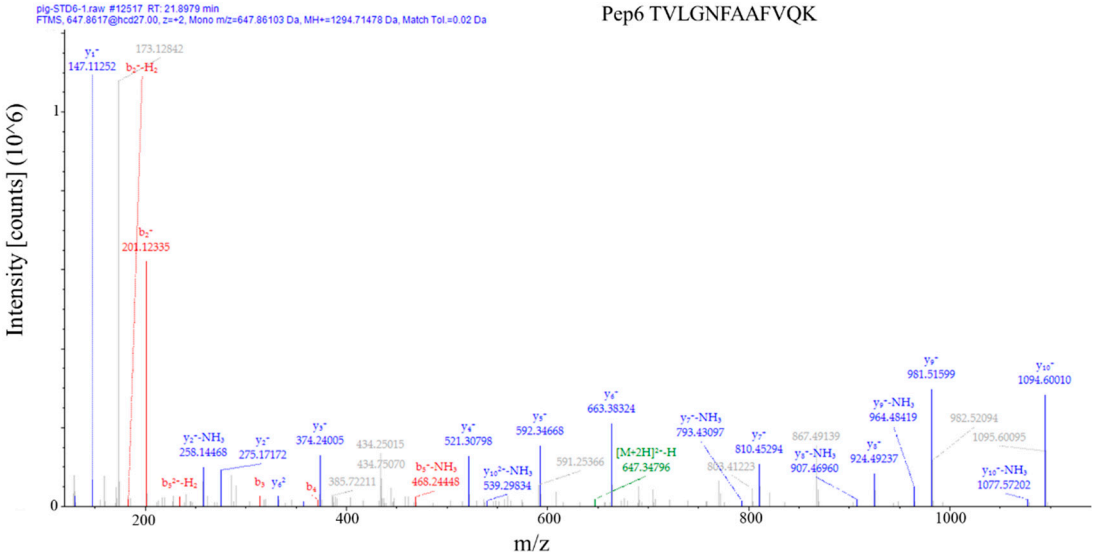
Supplementary materials: High-resolution mass spectrometry of 17 peptides

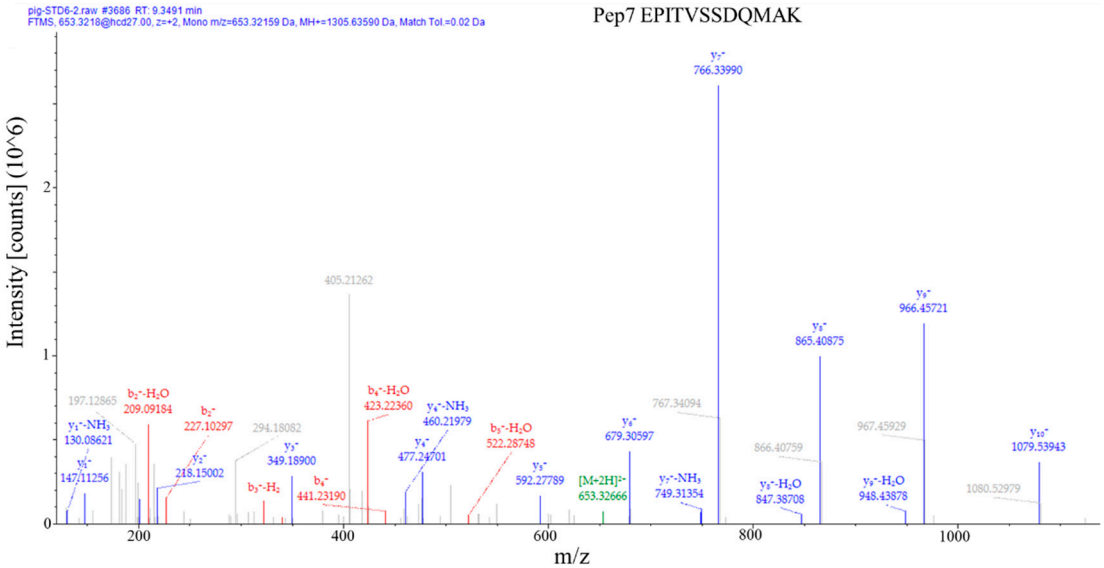


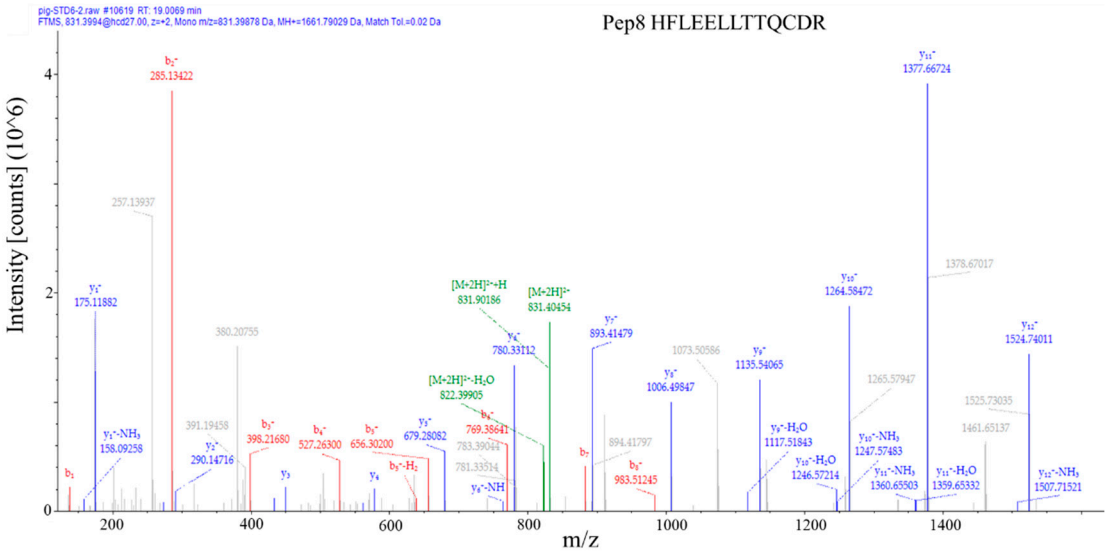

pig-STD6-3.raw #10625 RT: 19.0729 min
FTMS, 648.3176@hcd27.00, z=+3, Mono m/z=647.98312 Da, MH+=1941.93479 Da, Match Tol.=0.02 Da
Pep3 HDPSLLPWTASYDPGSAK
Intensity [counts] (10^6)
m/z
y5+ 459.25583
b6+ 663.34534
b2+ 253.09290
y8+-H2O 806.37244
837.44684
664.34668
674.38373
130.06514
120.08091
460.25732
298.17612
b5+ 550.26141
b2 2+ 380.70184
b6+-H2O 645.32874
y9+ 895.41492
y10+ 996.46082
1112.57092
y12+-H2O 1261.57678
y2+ 218.15009
b4+ 437.17664
y8+ 824.38226
b9+-H2O 1029.51892
y5+-H2O 441.24390
y6+ 574.27966
y7+ 737.34650
y10+-H2O 978.44421
y1
y3+-H2
y3
b6 2+
b5+-H2
b7
b8
y12+ 1182.53333

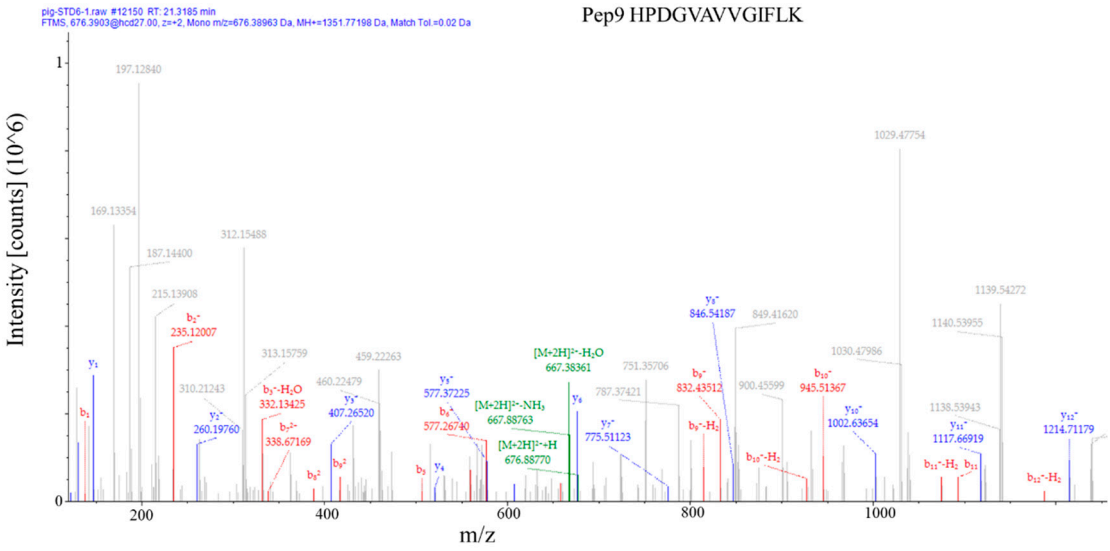

pig-STD6-2.raw #10621 RT: 19.0082 min
FTMS, 500.8058@hcd27.00, z=+2, Mono m/z=500.80544 Da, MH+=1000.60360 Da, Match Tol.=0.02 Da
Pep4 ADAIGLSLIK
Intensity [counts] (10^5)
m/z
y8+ 630.41809
b7+ 258.10861
b2+ 187.07121
201.12325
y1+ 147.11292
b4+-H2O 353.17157
353.21799
y2+ 260.19635
b4 2+ 371.22931
325.18648
278.15250
456.31805
y6+ 460.31430
b3+-H2O 240.09813
258.14365
y5+ 373.28064
484.31146
493.23123
631.42145
y6+-H2O 612.40662
y5+ 573.39661
659.37799
676.38586
744.50507
y7+-H2O 725.49634
y7+ 743.50250
y8 2+ 814.53931
771.38000
815.53961
930.56512
y9+ 929.55804
b7+-H2

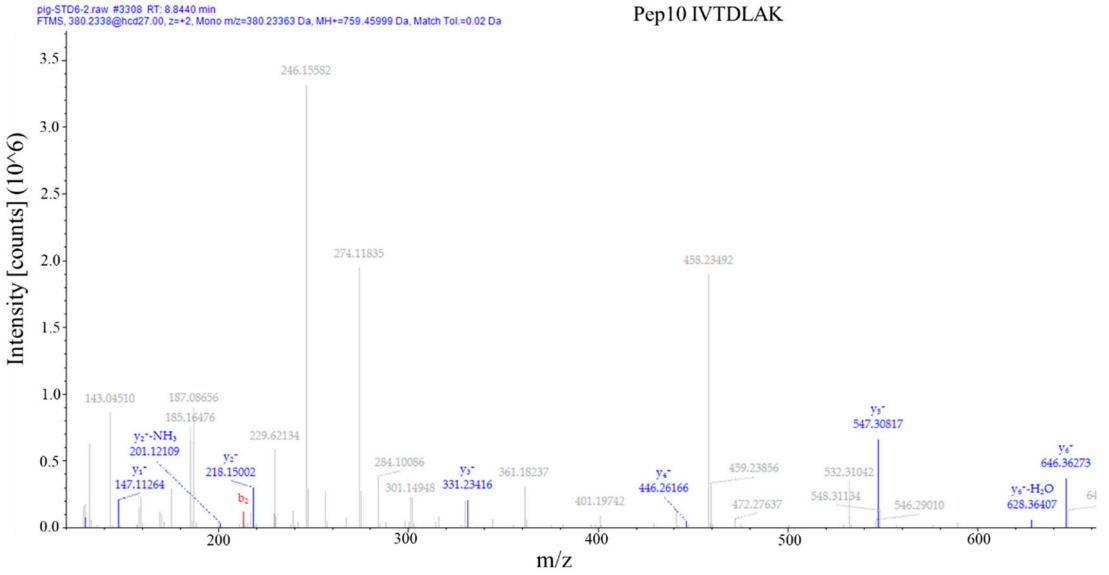

pig-STD6-1.raw #13122 RT: 22.9355 min
FTMS, 534.2990@hcd27.00, z=+2, Mono m/z=534.29818 Da, MH+=1067.58909 Da, Match Tol.=0.02 Da
Pep5 TLAFLFAER
Intensity [counts] (10^5)
m/z

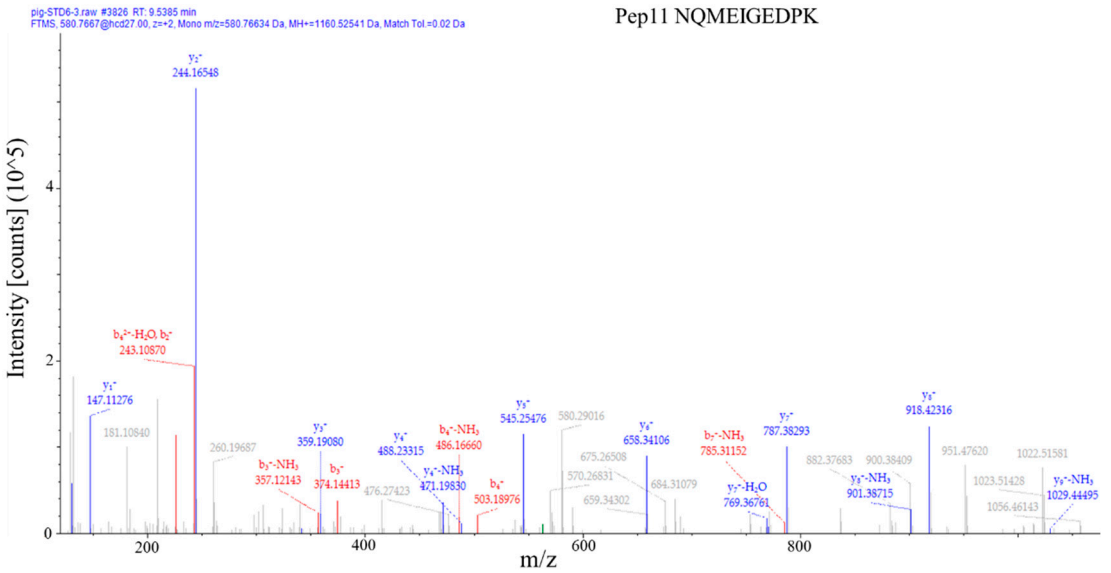

pig-STD6-1.raw #12517 RT: 21.8979 min
FTMS, 647.8617@hcd27.00, z=+2, Mono m/z=647.86103 Da, MH+=1294.71478 Da, Match Tol.=0.02 Da
Pep6 TVLGNFAAFVQK
Intensity [counts] (10^6)
m/z

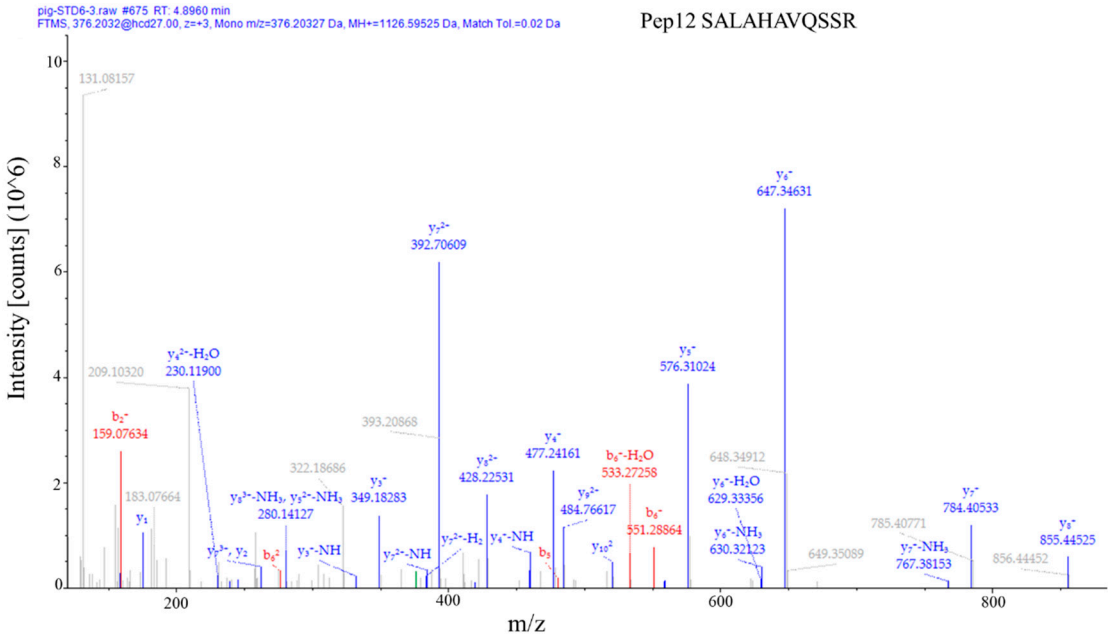

pig-STD6-2.raw #3686 RT: 9.3491 min
FTMS, 653.3218@hcd27.00, z=+2, Mono m/z=653.32159 Da, MH+=1305.63590 Da, Match Tol.=0.02 Da
Pep7 EPITVSSDQMAK
Intensity [counts] (10^6)
m/z

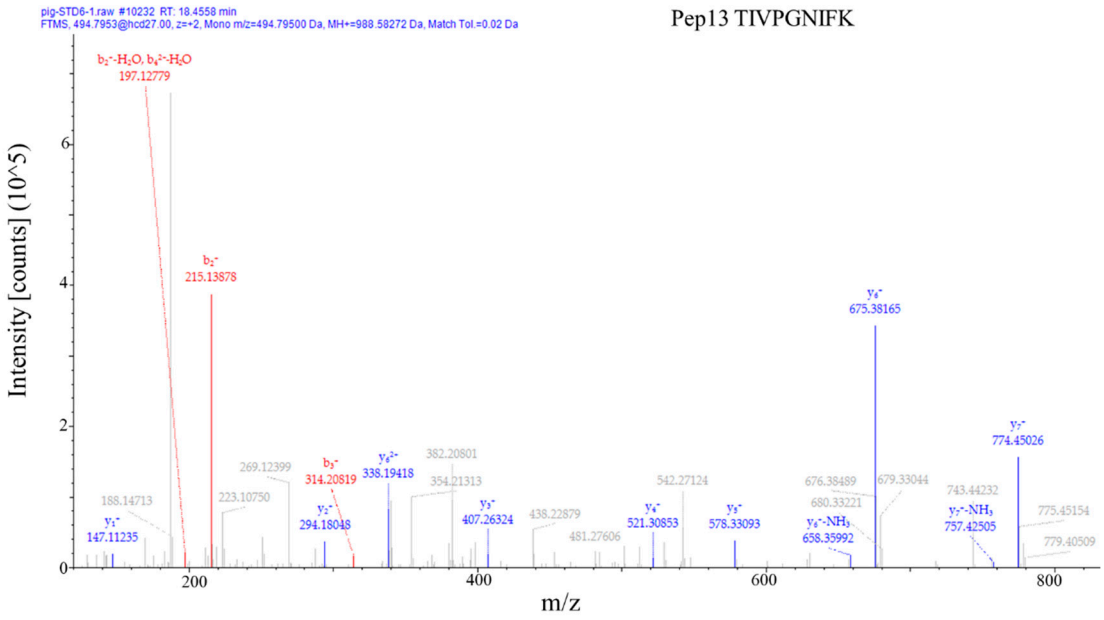

pig-STD6-2.raw #10619 RT: 19.0069 min
FTMS, 831.3994@hcd27.00, z=+2, Mono m/z=831.39878 Da, MH+=1661.79029 Da, Match Tol.=0.02 Da
Pep8 HFLEELLTTQCDR
Intensity [counts] (10^6)
m/z

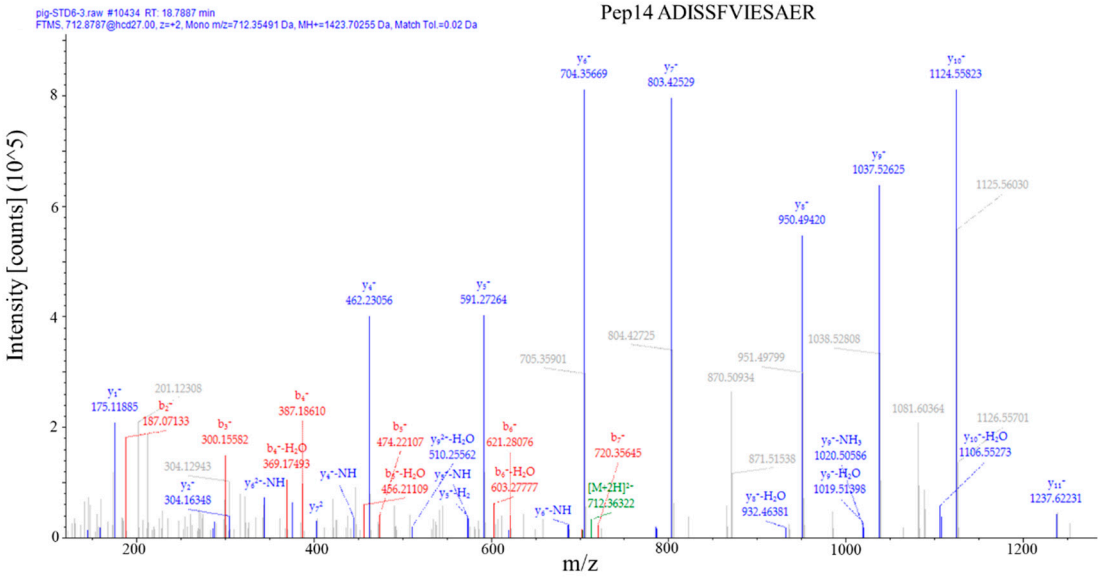

pig-STD6-1.raw #12150 RT: 21.3185 min
FTMS, 676.3903@hcd27.00, z=+2, Mono m/z=676.38963 Da, MH+=1351.77198 Da, Match Tol.=0.02 Da
Pep9 HPDGVAVVGIFLK
Intensity [counts] (10^6)
m/z

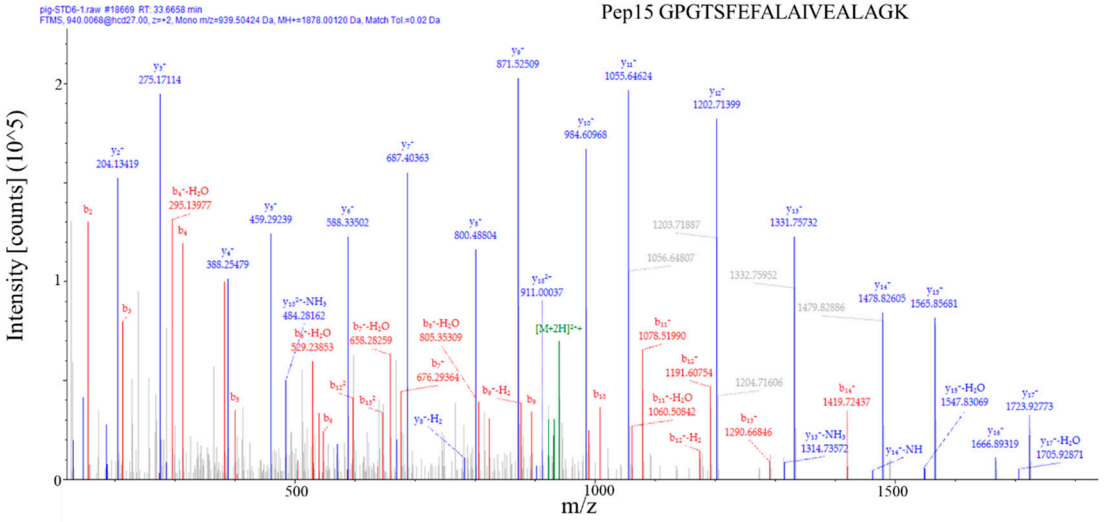

pig-STD6-2.raw #3308 RT: 8.8440 min
FTMS, 380.2338@hcd27.00, z=+2, Mono m/z=380.23363 Da, MH+=759.45999 Da, Match Tol.=0.02 Da
Pep10 IVTDLAK
Intensity [counts] (10^6)
m/z

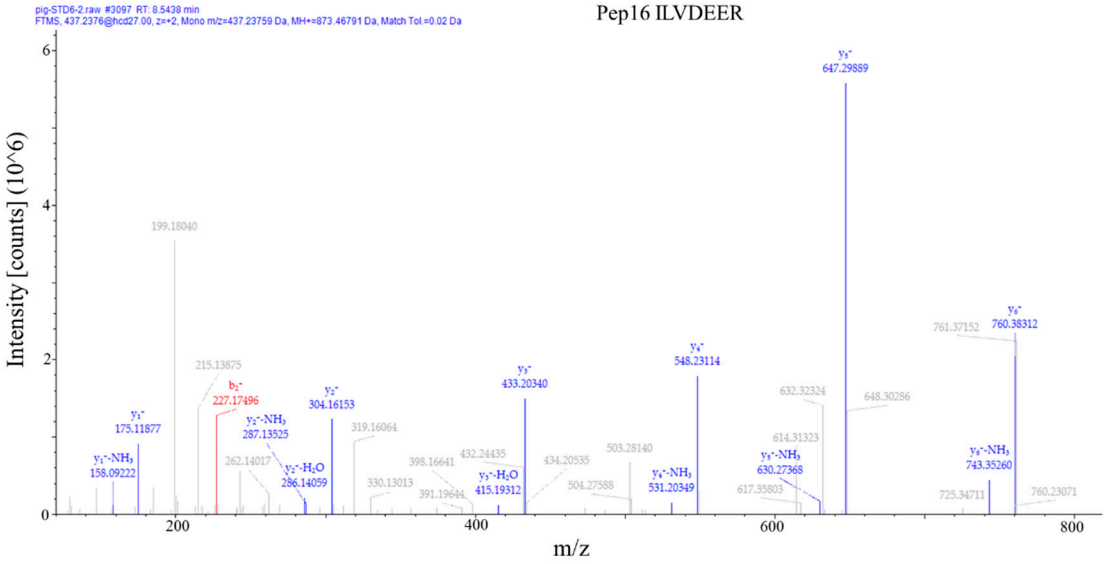

pig-STD6-3.raw #3826 RT: 9.5385 min
FTMS, 580.7667@hcd27.00, z=+2, Mono m/z=580.76634 Da, MH+=1160.52541 Da, Match Tol.=0.02 Da
Pep11 NQMEIGEDPK
Intensity [counts] (10^5)
m/z
y2+ 244.16548
b4+-H2O, b2+ 243.10870
y1+ 147.11276
181.10840
260.19687
y3+ 359.19080
b3+-NH3 357.12143
b3+ 374.14413
y4+ 488.23315
b4+-NH3 486.16660
y4+-NH3 471.19830
476.27423
b4+ 503.18976
y5+ 545.25476
580.29016
675.26508
570.26831
659.34302
y6+ 658.34106
684.31079
b7+-NH3 785.31152
y7+-H2O 769.36761
y7+ 787.38293
882.37683
900.38409
y8+-NH3 901.38715
y8+ 918.42316
951.47620
1022.51581
1023.51428
y9+-NH3 1029.44495
1056.46143

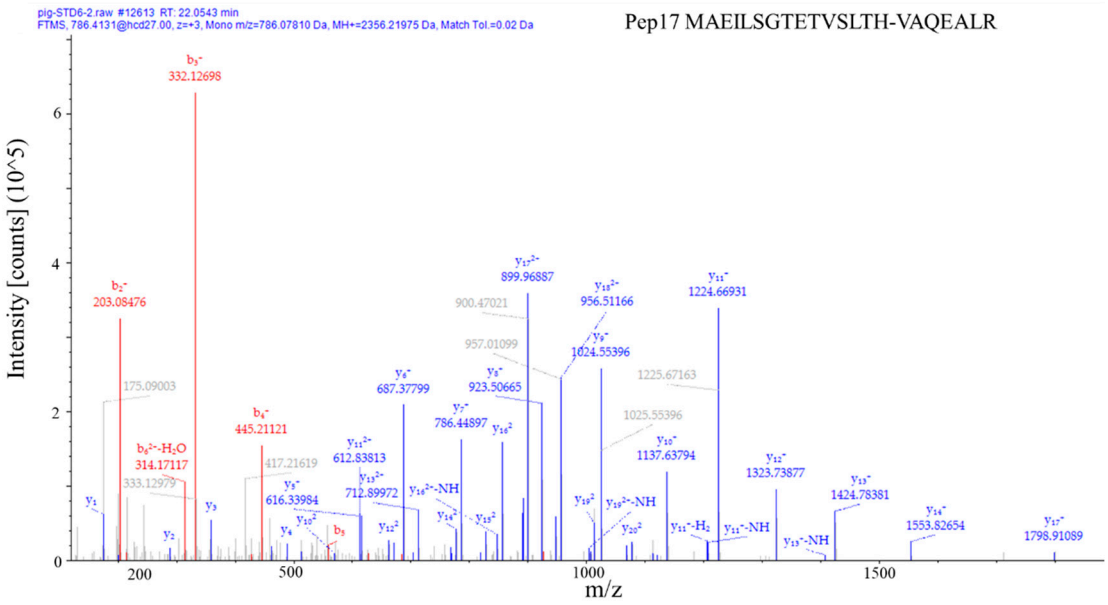

pig-STD6-3.raw #675 RT: 4.8960 min
FTMS, 376.2032@hcd27.00, z=+3, Mono m/z=376.20327 Da, MH+=1126.59525 Da, Match Tol.=0.02 Da
Pep12 SALAHAVQSSR
Intensity [counts] (10^6)
m/z
131.08157
y6+ 647.34631
y5²+ 392.70609
y4²+-H2O 230.11900
209.10320
y5+ 576.31024
b2+ 159.07634
393.20868
y4+ 477.24161
y8²+ 428.22531
b6+-H2O 533.27258
322.18686
y3+ 349.18283
y9²+ 484.76617
y6+-H2O 629.33356
648.34912
183.07664
y1
y8³+-NH3, y9²+-NH3 280.14127
y7+ 784.40533
y6+-NH3 630.32123
b6+ 551.28864
y7+-NH3 767.38153
785.40771
649.35089
856.44452
y8+ 855.44525
y7³+, y2
b6²
y5+-NH
y5²+-NH
y5²+-H2
y4+-NH
b3
y10²


pig-STD6-1.raw #10232 RT: 18.4558 min
FTMS, 494.7953@hcd27.00, z=+2, Mono m/z=494.79500 Da, MH+=988.58272 Da, Match Tol.=0.02 Da
Pep13 TIVPGNIFK
Intensity [counts] (10^5)
m/z
b2+-H2O, b4 2+-H2O
197.12779
b2+
215.13878
y6+
675.38165
y7+
774.45026
b3+
314.20819
y6 2+
338.19418
382.20801
354.21313
269.12399
223.10750
188.14713
y1+
147.11235
y2+
294.18048
y5+
407.26324
438.22879
481.27606
542.27124
y4+
521.30853
y3+
578.33093
676.38489
680.33221
y6+-NH3
658.35992
679.33044
743.44232
y7+-NH3
757.42505
775.45154
779.40509


pig-STD6-3.raw #10434 RT: 18.7887 min
FTMS, 712.8787@hcd27.00, z=+2, Mono m/z=712.35491 Da, MH+=1423.70255 Da, Match Tol.=0.02 Da
Pep14 ADISSFVIESAER
Intensity [counts] (10^5)
m/z
y6+
704.35669
y7+
803.42529
y10+
1124.55823
y8+
1037.52625
1125.56030
y9+
950.49420
y4+
462.23056
y5+
591.27264
804.42725
1038.52808
705.35901
951.49799
870.50934
y1+
175.11885
201.12308
b2+
187.07133
b4+
387.18610
b3+
300.15582
b5+
474.22107
y6 2+-H2O
510.25562
b6+
621.28076
b4+-H2O
369.17493
304.12943
y2+
304.16348
y6 2+-NH
b5+-H2O
456.21109
y5+-NH
y5+-H2
b6+-H2O
603.27777
y6+-NH
b7+
720.35645
[M+2H]2+
712.36322
1081.60364
1126.55701
y10+-H2O
1106.55273
y9+-NH3
1020.50586
y9+-H2O
1019.51398
871.51538
y8+-H2O
932.46381
y11+
1237.62231


pig-STD6-1.raw #18669 RT: 33.6658 min
FTMS, 940.0068@hcd27.00, z=+2, Mono m/z=939.50424 Da, MH+=1878.00120 Da, Match Tol.=0.02 Da
Pep15 GPGTSFEFALAIVEALAGK
Intensity [counts] (10^5)
m/z
y3+
275.17114
y9+
871.52509
y11+
1055.64624
y12+
1202.71399
y10+
984.60968
y2+
204.13419
y7+
687.40363
b4+-H2O
295.13977
b2
b4
y5+
459.29239
y6+
588.33502
y8+
800.48804
1203.71887
y13+
1331.75732
1056.64807
1332.75952
y14+
1478.82605
y15+
1565.85681
1479.82886
y10 2+
911.00037
[M+2H]2+
y10+-NH3
484.28162
b5+-H2O
509.23853
b5+-H2O
658.28259
b8+-H2O
805.35309
b7+
676.29364
b11+
1078.51990
b12+
1191.60754
1204.71606
b14+
1419.72437
y15+-H2O
1547.83069
y17+
1723.92773
b13+-H2O
1060.50842
b13+
1290.66846
y13+-NH3
1314.73572
y14+-NH
y16+
1666.89319
y17+-H2O
1705.92871
b12+-H2


pig-STD6-2.raw #3097 RT: 8.5438 min
FTMS, 437.2376@hcd27.00, z=+2, Mono m/z=437.23759 Da, MH+=873.46791 Da, Match Tol.=0.02 Da
Pep16 ILVDEER
Intensity [counts] (10^6)
m/z
y5+ 647.29889
199.18040
y6+ 760.38312
761.37152
215.13875
b2+ 227.17496
y4+ 548.23114
y3+ 433.20340
y2+ 304.16153
y1+ 175.11877
632.32324
648.30286
y2+-NH3 287.13525
319.16064
614.31323
503.28140
y5+-NH3 630.27368
y6+-NH3 743.35260
y1+-NH3 158.09222
262.14017
y2+-H2O 286.14059
398.16641
432.24435
434.20535
y3+-H2O 415.19312
y4+-NH3 531.20349
330.13013
391.19644
504.27588
617.35803
725.34711
760.23071


pig-STD6-2.raw #12613 RT: 22.0543 min
FTMS, 786.4131@hcd27.00, z=+3, Mono m/z=786.07810 Da, MH+=2356.21975 Da, Match Tol.=0.02 Da
Pep17 MAEILSGTETVSLTH-VAQEALR
Intensity [counts] (10^5)
m/z
b3+ 332.12698
y17 2+ 899.96887
y11+ 1224.66931
y18 2+ 956.51166
b2+ 203.08476
900.47021
y9+ 1024.55396
957.01099
y8+ 923.50665
1225.67163
y6+ 687.37799
175.09003
y7+ 786.44897
y16 2
1025.55396
b4+ 445.21121
y10+ 1137.63794
y11 2+ 612.83813
b2+-H2O 314.17117
417.21619
y12+ 1323.73877
y13 2+ 712.89972
333.12979
y5+ 616.33984
y16 2+-NH
y13+ 1424.78381
y1
y3
y15 2
y15 2+-NH
y14+ 1553.82654
y17+ 1798.91089
y2
y4
y10 2
b5
y12 2
y14 2
y20 2
y11+-H2
y11+-NH
y13+-NH