**Supplementary Methods II**

**HPLC chromatograms of the individual compounds used for the glycoopeptide arrays**

# HPLC Chromatogram of synthetic *O*-mannosyl peptides

Compound 7, Sequence: NH2-Spacer-YAT\*AVA, \*=Gal-GlcNAc-Man.  


Compound 8, Sequence: NH2-Spacer-PVPGKPT\*VTIR, \*=GlcNAc-Man.  


Compound 9, Sequence: NH2-Spacer-RGAIIQT\*PTLG, \*=GlcNAc-Man.  


Compound 10, Sequence: NH2-Spacer-YAT\*AVA, \*= GlcNAc-Man.  


Compound 11, Sequence: NH2-Spacer-SQSLEET\*ISPR, \*= GlcNAc-Man.



Compound 12, Sequence: NH2-Spacer-SGPLDGGT\*LLTIR, \*= GlcNAc-Man.  


Compound 13, Sequence: NH2-Spacer-NAPSGT\*TVIHLNA, \*= GlcNAc-Man.  


Compound 14, Sequence: NH2-Spacer-NAPSGT\*T\*VIHLNA, \*= GlcNAc-Man.  


Compound 15, Sequence: NH2-Spacer-QGPQAGGT\*T\*LTIHG, \*= GlcNAc-Man.



Compound 16, Sequence: NH2-Spacer-EPGGSYIT\*T\*VSATD, \*= GlcNAc-Man.  


Compound 17, Sequence: NH2-Spacer-PVPGKPT\*VTIR, \*=Man.  


Compound 18, Sequence: NH2-Spacer-RGAIIQT\*PTLG, \*=Man.  


Compound 19, Sequence: NH2-Spacer-SQSLEET\*ISPR, \*=Man.  


Compound 20, Sequence: NH2-Spacer-SGPLDGGT\*LLTIR, \*=Man.  


Compound 21, Sequence: NH2-Spacer-NAPSGT\*TVIHLNA, \*=Man.  


Compound 22, Sequence: NH2-Spacer-NAPSGT\*T\*VIHLNA, \*=Man.  


Compound 23, Sequence: NH2-Spacer-QGPQAGGT\*T\*LTIHG, \*=Man.  


Compound 24, Sequence: NH2-Spacer-EPGGSYIT\*T\*VSATD, \*=Man.  


Compound 25, Sequence: NH2-Spacer-YATAVA.   


# HPLC Chromatogram *N*-glycopeptides

Compound 35, Sequence: NH2-Spacer-N\*LTALPPDLPK, \*=GlcNAc.



Compound 36, Sequence: NH2-Spacer-LQNLTLPTN\*ASIK, \*=GlcNAc.



Compound 40, Sequence: NH2-Spacer-N\*LTALPPDLPK, \*= Man3GlcNAc2.

0.0

5.0

10.0

15.0

20.0

25.0

30.0

35.0

40.0

45.1

-200

250

500

750

1,000

Pep14030608+C4F7

UV\_VIS\_1

mAU

min

1 - 21.987

WVL:214 nm

Flow: 200 µl/min

%B: 10.0 %

40.0

90.0

5.0

%C: 0.0 %

0.0

5.0

10.0

15.0

20.0

25.0

30.0

35.0

40.0

45.1

-200

250

500

750

1,000

Pep14030613+C4F7

UV\_VIS\_1

mAU

min

1 - 24.417

WVL:214 nm

Flow: 200 µl/min

%B: 10.0 %

40.0

90.0

5.0

%C: 0.0 %

Compound 41, Sequence: NH2-Spacer-LQNLTLPTN\*ASIK, \*= Man3GlcNAc.

0.0

5.0

10.0

15.0

20.0

25.0

30.0

35.0

40.0

45.1

-200

250

500

750

1,000

Pep14030613+C4F7

UV\_VIS\_1

mAU

min

1 - 24.417

WVL:214 nm

Flow: 200 µl/min

%B: 10.0 %

40.0

90.0

5.0

%C: 0.0 %