

Supplementary Table 3: The distribution of glycan forms of individual glycopeptides with different lectin binding sp

Protein name	Peptide sequence	Fuca1-2,3,4 (AAL)	Neu5Acα (SNA)
Afamin	DIENFnSTQK	√	√
Afamin	YAEDKFnETTEK	√	
Alpha-1-acid glycoprotein 1	LVPVPITnATLNQITGK		√
Alpha-1-acid glycoprotein 1	QNQcIYnTTYLNVQR		√
Alpha-1-acid glycoprotein 2	LVPVPITnATLNR		√
Alpha-1-acid glycoprotein 2	QNQcFYnSSYLNVQR		√
Alpha-1-antichymotrypsin	YTGnASALFILPNQNK		√
Alpha-1-antitrypsin	YLGNATAIFFLPNEGK		√
Alpha-2-HS-glycoprotein	cQNcPLLAPLnNTR		√
Alpha-2-HS-glycoprotein	NAQNnGSNFQLEEISR	√	√
Alpha-2-macroglobulin	InTTNVmGTSLTVR		√
Apolipoprotein B	FnSSYLQGTNQITGR	√	√
Apolipoprotein B	FVEGSHnSTVSLTTK	√	√
Apolipoprotein B	YDFnSSmLYSTAK	√	√
Apolipoprotein D	ADGTVNQIEGEATPVnLTEPAK	√	
Apolipoprotein H	LGnWSAmPSck	√	
Apolipoprotein H	VYKPSAGnNSLYR	√	
Attractin isoform 2	IDSTGnVTNELR	√	
Beta-2-glycoprotein 1	VYKPSAGnNSLYR		√
Biotinidase	FnDTEVLQR	√	
Butyrylcholinesterase	DnNSIITR	√	
Butyrylcholinesterase	EnETEIIK	√	
Ceruloplasmin	EHEGAIYPnnTTnFQR	√	√
Ceruloplasmin	EnLTAPGSNSAVFFEQGTR	√	√
Clusterin isoform 2	EDALnETR	√	
Clusterin	LAnLTQGENQYYLR	√	√
Clusterin isoform 2	mFSQnDTR	√	
Clusterin isoform 2	KEDALnETR	√	
Coagulation factor XI	GINYnSSVAK	√	
Coagulation factor XI	VYSGILnQSEIK	√	
Coagulation factor VII (serum proth	EEQYnSTYR		√
Complement component 4A	GLnVTLSSSTGR	√	
Complement component 6	VLnFTTK	√	
Complement factor H	ISEEnETTcYmGK	√	√
Complement factor H	mNGASnVTcINSR	√	√
Complement factor I	FLNnGTcTAEGK	√	
FLJ00385 protein	EEQFnSTFR		√
Galectin-3-binding protein	AAIPsALDTnSSK	√	
Haptoglobin isoform 2	NLFLnHSEnATAK	√	
Haptoglobin isoform 2	VVLHPnYSQVDIGLIK	√	
Hemopexin	ALPQPQnVTSLLGcTH	√	√
Heparin cofactor II	DFVnASSK	√	
Histone deacetylase 5 isoform 3	mnSPnESADGmSGR		
HP protein	NLFLnHSEnATAK		√
HP protein	VVLHPnYSQVNIGLIK		√
Immunoglobulin J chain	EnISNPTSPLR	√	√
Insulin-like growth factor-binding pr	ALGFEnATQALGR	√	
Inter-alpha globulin inhibitor H2 pol	GAFISnFSmTVDGK	√	
Inter-alpha-trypsin inhibitor heavy c	AnLSSQALQm		√
Inter-alpha-trypsin inhibitor heavy c	GAFISnFSmTVNGK		√
Kininogen-1	ITYSIVQTncSK	√	√
Kininogen-1	LNAENnATFYFK	√	√

Kininogen-1 isoform 2	YNSQnQSNNQFVLYR	√	
Lymphatic vessel endothelial hyalu	ANQQLnFTEAK	√	
Orosomuroid 1	EnGTISR	√	
Paraoxonase 1	VTQVYAE nGTVLQGSTVASVYK	√	
Plasma protease C1 inhibitor	NPnATSSSSQNPESLQNR		√
Prothrombin	GHVnITR		
Serine (or cysteine) proteinase inhi	ETFFnLSK	√	
Serine (or cysteine) proteinase inhi	FLnDTmAVYEAK	√	
Serine proteinase inhibitor, clade A	YLGnATAIFFLPDEGK	√	
Serpin peptidase inhibitor, clade A,	TLnQSSDELQLSmGNAmFVK	√	
Serpin peptidase inhibitor, clade G	DTFVnASR	√	
Solute carrier family 1 (glial high af	VqnITK		
Vitronectin	nGSLFAFR	√	
Vitronectin	NnATVHEQVGGPSLTSDLQAQSK	√	

Notes:

Lower case letters: modified amino acids. m for oxidized Met; n for deaminated Asn after PNGase F releasing of (

√
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√
√
√
√

glycans from the formerly N-linked glycosites; c for carboxymethyl Cys