

Supplementary Table 1: N-linked glycosite identifications by Lec, Lec+Lec, and LecSPEG method

Protein name	Peptide sequence	SNA	SNA+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	FnLTETSEAEIHQSFQHLLR	1	
Alpha-1-antichymotrypsin	YTGnASALFILPNQNK		
Alpha-1-antitrypsin	YLGnATAIFFLPNEGK		
Alpha-2-HS-glycoprotein	cQNcPLLAPLnNTR		
Alpha-2-HS-glycoprotein	NAQNnGSNFQLEEISR		1
Alpha-2-HS-glycoprotein	VcQDcPLLAPLnDTR		
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	LGnWSAmPScK		1
Beta-2-glycoprotein 1	VYKPSAGnNSLYR		1
Biotinidase	FnDTEVLQR		
Butyrylcholinesterase	DnNSIITR		
Butyrylcholinesterase	EnETEIIK		
Ceruloplasmin	EHEGAIYPnnTTnFQR		
Ceruloplasmin	EnLTAPGSNSAVFFEQGTTR		
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 prothromb	EEQYnSTYR		
Complement component 4A	FSDGLESnSSTQFEVK		
Complement component 4A	GLnVTLSSSTGR		
Complement component 6	VLnFTTK		
Complement factor H	ISEEnETTcYmGK		
Complement factor H	mNGASnVTcINSR		
Complement factor H-related protein 2	LQNNENnIScVER		
Complement factor I	FLNnGTcTAEGK		
FLJ00385 protein	EEQFnSTFR		1
Galectin-3-binding protein	AAIPSALDTnSSK		
Haptoglobin isoform 2	NLFLnHSEnATAK		
Haptoglobin isoform 2	VVLHPnYSQVDIGLIK		
Hemopexin	ALPQPQnVTSLLGcTH		
Hemopexin	SWPAVGncSSALR		1
Heparin cofactor II	DFVnASSK		
Histone deacetylase 5 isoform 3	mnSPnESADGmSGR		
HP protein	NLFLnHSEnATAK		2
HP protein	VVLHPnYSQVNIGLIK		
IGHA1 protein	LSLHRPALENLLLGSEAnLTcTI	1	

IGHM protein	EEQYnSTYR		1
Immunoglobulin J chain	EnISNPTSPLR		2
Insulin-like growth factor-binding protein	ALGFEnATQALGR		
Inter-alpha (globulin) inhibitor H4 isoform	LPTQnITFQTESSVAEQEAEFQSPK		
Inter-alpha globulin inhibitor H2 polypeptide	GAFISnFSmTVDGK		
Inter-alpha-trypsin inhibitor heavy chain 1	AnLSSQALQm		2
Inter-alpha-trypsin inhibitor heavy chain 2	GAFISnFSmTVNGK		2
Kininogen-1	ITYSIVQTncSK		
Kininogen-1	LNAENnATFYFK		
Kininogen-1 isoform 2	YNSQnQSNNQFVLYR		
KNG1 Isoform LMW of Kininogen-1	mTYSIVQTncSK		1
Lymphatic vessel endothelial hyaluronidase	ANQQLnFTEAK		
NFX1-type zinc finger-containing protein	HDQEnDTR		
Orosomucoid 1	EnGTISR		
Orosomucoid 2	EnGTVSR		
Paraoxonase 1	VTQVYAEEnGTVLQGSTVASVYK		
Plasma protease C1 inhibitor	NPnATSSSSQNPELQNR		2
Prothrombin	GHVnITR		
Putative uncharacterized protein DKFZ103010.1	TPLTAnITK		2
Serine (or cysteine) proteinase inhibitor	ETFFnLSK		
Serine (or cysteine) proteinase inhibitor	FLnDTmAVYEAK		
Serine proteinase inhibitor, clade A, member 1	YLGnATAIFFLPDEGK		
Serotransferrin	QQQHFLFGSnVTncSGN		1
Serpin peptidase inhibitor, clade A, member 1	TLnQSSDELQLSmGNAmFVK		
Serpin peptidase inhibitor, clade A, member 2	YTGnASALFILPDQDK		
Serpin peptidase inhibitor, clade G, member 1	DTFVnASR		
Solute carrier family 1 (glial high affinity) member 1	VqnITK		
Vitronectin	nGSLFAFR		
Vitronectin	NnATVHEQVGGPSLTSDLQAQSK		
Total glycoside spectral count		2	20

Notes:

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

SNA+SNA+SPEG	AAL	AAL+AAL	AAL+AAL+SPEG	WGA	WGA+WGA
2			2		
			1		
5					
5					
4					
3					
4					
8					
4					
2			2		
2					
2			2		
2			3		
2		1	2		
			5		1
			1		
		1	2		1
			1		
2					
			1		
			1		
			2		
7			3		
2			3		
			6		
2		1	2		1
			1		
			3		
			2		
			1		
1					
		1	2		
			2		
2			1		
2			2		
			1		
1					
			2		
		2	13		3
		1	1		2
1		2	2		
		1			
			3		
23					
2					

2			2		
			2		
			2		
2					
2					
4		1	2		1
2			4		
			2		
			1		
			1		
		8			1
			1		
2					
			1		
			2		
		1	1		1
		1	2		
			2		
			2		
			2		
104	0	21	104	0	11

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

WGA+WGA+SPEG

1
2
1
2
3
1
1
1
1
1
9
2
2
1
1
2
1
1
6
1
2
1

1
2
2
1
1
1
3
1
1
56