

Table S1. A summary of proteins identified by nanoLC/MS/MS in Con A lectin-selected urine samples. Protein ids were obtained from at least two analyses. *N*-linked or *O*-linked glycoproteins as annotated in Swiss-Prot database; predicted, potential or no sites as determined by NetNGlyc 1.0 server.

| Swiss-Prot ID | Protein Name | Subcellular location | Glycoprotein | T3 | T4 | T9 | T8 | T13 | N3 | N10 | N2 | N5 | N7 |
|---------------|-----------------------------------|----------------------|--------------|----|----|----|----|-----|----|-----|----|----|----|
| A1AG1_HUMAN | Alpha-1-acid glycoprotein 1 | secreted protein | n-linked | | | 1 | 1 | 1 | | 1 | 1 | | |
| A1AG2_HUMAN | Alpha-1-acid glycoprotein 2 | secreted protein | n-linked | | | | | 1 | | | 1 | | |
| A1AT_HUMAN | Alpha-1-antitrypsin | secreted protein | n-linked | 1 | 1 | 1 | | 1 | | | 1 | | 1 |
| A1BG_HUMAN | Alpha-1B-glycoprotein | secreted protein | n-linked | 1 | 1 | 1 | 1 | 1 | | | | | |
| A2AP_HUMAN | Alpha-2-antiplasmin | secreted protein | n-linked | | | 1 | | | | | | | |
| A2GL_HUMAN | Leucine-rich alpha-2-glycoprotein | secreted protein | o-, n-linked | | | | | 1 | | | 1 | | |
| A2MG_HUMAN | Alpha-2-macroglobulin | extracellular | n-linked | 1 | | 1 | | | | | 1 | | |
| AACT_HUMAN | Alpha-1-antichymotrypsin | secreted protein | n-linked | 1 | 1 | 1 | | | | | 1 | | |
| ACTA_HUMAN | Actin, aortic smooth muscle | cytoplasm | potential | | | | | 1 | | | 1 | | |
| AFAM_HUMAN | Afamin | secreted protein | n-linked | 1 | | 1 | | | | | 1 | | |
| ALBU_HUMAN | Serum albumin | secreted protein | n-linked | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| AMBP_HUMAN | AMBP protein | secreted protein | o-, n-linked | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| AMPN_HUMAN | Aminopeptidase N | membrane | n-linked | | | | 1 | | | | | | |
| ANAG_HUMAN | Alpha-N-acetylglucosaminidase | lysosome | n-linked | | 1 | | | | 1 | | | | |
| ANT3_HUMAN | Antithrombin-III | secreted protein | n-linked | | | | | | | | 1 | | |
| ANXA1_HUMAN | Annexin A1 | cytoplasm | potential | | 1 | | | | | | | | |
| AMYC_HUMAN | Alpha-amylase 2B | secreted protein | predicted | | | | | | | | | 1 | 1 |
| AMYP_HUMAN | Pancreatic alpha-amylase | secreted protein | n-linked | | | | | | | | | | 1 |
| APOA_HUMAN | Apolipoprotein(a) | extracellular | o-, n-linked | 1 | 1 | | 1 | 1 | | 1 | 1 | 1 | |
| APOA1_HUMAN | Apolipoprotein A-I | secreted protein | no sites | | | 1 | | | | | 1 | | |
| APOA2_HUMAN | Apolipoprotein A-II | secreted protein | no sites | | | 1 | | | | | 1 | | |
| APOA4_HUMAN | Apolipoprotein A-IV | secreted protein | no sites | | | 1 | | | | | | | |
| APOC3_HUMAN | Apolipoprotein C-III | secreted protein | o-linked | | | 1 | | | | | | | |
| APOD_HUMAN | Apolipoprotein D | secreted protein | n-linked | | | | 1 | 1 | | 1 | | 1 | 1 |
| APOH_HUMAN | Beta-2-glycoprotein 1 | secreted protein | o-, n-linked | 1 | | 1 | | | 1 | 1 | 1 | | |
| ARSA_HUMAN | Arylsulfatase A | lysosome | n-linked | 1 | 1 | | 1 | | 1 | 1 | | 1 | 1 |
| ARSB_HUMAN | Arylsulfatase B | lysosome | n-linked | | | | | | 1 | | | | |
| ASAHI_HUMAN | Acid ceramidase | lysosome | n-linked | | | | | | | 1 | | | |

| ATM_HUMAN | Serine-protein kinase ATM | nucleus | potential | | | | | | | | 1 | | | 1 |
|----------------------|---------------------------------------|-----------------------------|---------------------|-----------|-----------|-----------|-----------|------------|-----------|------------|-----------|-----------|-----------|---|
| Swiss-Prot ID | Protein Name | Subcellular location | Glycoprotein | T3 | T4 | T9 | T8 | T13 | N3 | N10 | N2 | N5 | N7 | |
| ATRN_HUMAN | Attractin | secreted protein | n-linked | | 1 | | | | 1 | 1 | | 1 | 1 | |
| B2MG_HUMAN | Beta-2-microglobulin | secreted protein | no sites | | | | | 1 | | | 1 | | 1 | |
| BASP_HUMAN | BASP1 protein | membrane | no sites | | | | | 1 | | | | | | |
| BGAL_HUMAN | Beta-galactosidase | lysosome | n-linked | | 1 | | 1 | | 1 | 1 | | | 1 | |
| BGLR_HUMAN | Beta-glucuronidase | lysosome | n-linked | | | | 1 | | 1 | 1 | | | 1 | |
| C4BP_HUMAN | C4b-binding protein alpha chain | extracellular | n-linked | | 1 | 1 | | | | | | | | |
| CAD11_HUMAN | Cadherin-11 | membrane | n-linked | | | | 1 | | 1 | 1 | | | | |
| CAD13_HUMAN | Cadherin-13 | membrane | n-linked | | 1 | | 1 | 1 | | | | 1 | | |
| CADH1_HUMAN | Epithelial-cadherin | membrane | n-linked | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | | | |
| CADH2_HUMAN | Cadherin-2 | membrane | n-linked | 1 | 1 | | 1 | | 1 | 1 | | 1 | | |
| CATC_HUMAN | Cathepsin C | lysosome | n-linked | | | | 1 | | | | | | | |
| CATD_HUMAN | Cathepsin D | lysosome | n-linked | 1 | 1 | | 1 | | | 1 | | | 1 | |
| CATL_HUMAN | Cathepsin L | lysosome | n-linked | | | | | | | | | | 1 | |
| CATZ_HUMAN | Cathepsin Z | lysosome | n-linked | | 1 | | 1 | | | 1 | | | | |
| CD14_HUMAN | Monocyte differentiation antigen CD14 | membrane | n-linked | | | | 1 | | | 1 | | | | |
| CD44_HUMAN | CD44 antigen | membrane | n-linked | 1 | 1 | | 1 | 1 | 1 | 1 | | 1 | 1 | |
| CD59_HUMAN | CD59 glycoprotein | membrane | o-, n-linked | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| CERU_HUMAN | Ceruloplasmin | secreted protein | n-linked | 1 | 1 | 1 | | | | | | | | |
| CFAH_HUMAN | Complement factor H | secreted protein | n-linked | | 1 | 1 | | | | | | | | |
| CHD6_HUMAN | CHD-6 | nucleus | potential | | | | | | 1 | | | | | |
| CING_HUMAN | Cingulin | cytoplasm | potential | | 1 | 1 | | | | | | | | |
| CLUS_HUMAN | Clusterin | secreted protein | n-linked | 1 | | 1 | 1 | 1 | | | | 1 | 1 | |
| CO3_HUMAN | Complement C3 | secreted protein | n-linked | 1 | | 1 | | | | | 1 | | | |
| CO4_HUMAN | Complement C4-B | secreted protein | n-linked | | 1 | 1 | | | | | | | | |
| CO6A1_HUMAN | Collagen alpha-1(VI) chain | extracellular | n-linked | 1 | | | | | | | | | 1 | |
| COCH_HUMAN | Cochlin | secreted protein | n-linked | | | | | | | | | 1 | | |
| COFA1_HUMAN | Collagen alpha-1(XV) chain | extracellular | n-linked | | | | | | | | | | 1 | |
| CYTC_HUMAN | Cystatin C | unknown | no sites | | | | | | | | | | 1 | |
| DERM_HUMAN | Dermatopontin | secreted protein | no sites | | | | 1 | | | | | 1 | | |
| DDEF2_HUMAN | PAP | cytoplasm | potential | | | | | | 1 | | | | | |
| DIAC_HUMAN | Di-N-acetylchitobiase | lysosome | n-linked | | | | 1 | | | | | | | |

| DNAS1_HUMAN | Deoxyribonuclease-1 | secreted protein | n-linked | | | | | | | | 1 | | | 1 |
|----------------------|--|-----------------------------|---------------------|-----------|-----------|-----------|-----------|------------|-----------|------------|-----------|-----------|-----------|---|
| Swiss-Prot ID | Protein Name | Subcellular location | Glycoprotein | T3 | T4 | T9 | T8 | T13 | N3 | N10 | N2 | N5 | N7 | |
| DPP4_HUMAN | Dipeptidyl peptidase 4 | secreted protein | n-linked | | | | | | 1 | | | | | |
| DSC2_HUMAN | Desmocollin-2 | membrane | n-linked | | 1 | | | | | | | | | |
| DYN2_HUMAN | Dynamin-2 | cytoplasm | potential | | 1 | | | | 1 | | | | | |
| EGF_HUMAN | Pro-epidermal growth factor | membrane | n-linked | 1 | 1 | | | | | | | 1 | 1 | |
| ELNE_HUMAN | Leukocyte elastase | extracellular | n-linked | | | | | | | | 1 | | | |
| FBN1_HUMAN | Fibrillin-1 | extracellular | n-linked | | | | 1 | 1 | | | | 1 | 1 | |
| FCG3A_HUMAN | IgG Fc receptor III-2 | secreted protein | n-linked | | 1 | | | | | | | | | |
| FCG3B_HUMAN | IgG Fc receptor III-1 | secreted protein | n-linked | | 1 | | | | | | | | | |
| FETUA_HUMAN | Alpha-2-HS-glycoprotein | secreted protein | o-, n-linked | | 1 | 1 | 1 | | | | | | | |
| FIBA_HUMAN | Fibrinogen alpha chain | secreted protein | n-linked | 1 | | 1 | | | | | 1 | | | |
| FIBB_HUMAN | Fibrinogen beta chain | secreted protein | n-linked | 1 | 1 | 1 | | | | | 1 | | | |
| FIBG_HUMAN | Fibrinogen gamma chain | secreted protein | n-linked | 1 | | 1 | | | | | 1 | | | |
| FINC_HUMAN | Fibronectin | secreted protein | o-, n-linked | | | 1 | 1 | | 1 | | | | | |
| GDIS_HUMAN | Rho GDP-dissociation inhibitor 2 | cytoplasm | potential | | | | | 1 | | | | | | |
| GELS_HUMAN | Gelsolin | secreted protein | no sites | | | | 1 | 1 | | 1 | 1 | | 1 | |
| GGH_HUMAN | Gamma-glutamyl hydrolase | secreted protein | n-linked | | | | 1 | | 1 | 1 | | | 1 | |
| GILT_HUMAN | Gamma-interferon-inducible protein IP-30 | lysosome | n-linked | | | | 1 | | | | | | | |
| GL6S_HUMAN | N-acetylglucosamine-6-sulfatase | lysosome | n-linked | | 1 | | 1 | | 1 | 1 | | | | |
| GP2_HUMAN | ZAP75 | secreted protein | n-linked | | 1 | | | | | | | | | |
| GP73_HUMAN | Golgi phosphoprotein 2 | membrane | n-linked | | | | | | | | | | 1 | |
| HBA_HUMAN | Hemoglobin subunit alpha | - | no sites | | 1 | 1 | | | | | 1 | | | |
| HBB_HUMAN | Hemoglobin subunit beta | - | n-linked | 1 | 1 | 1 | | | | | 1 | | | |
| HBD_HUMAN | Hemoglobin subunit delta | - | no sites | | 1 | 1 | | | | | | | | |
| HEMO_HUMAN | Hemopexin | secreted protein | o-, n-linked | 1 | | 1 | | | 1 | 1 | 1 | | | |
| HEXA_HUMAN | Beta-hexosaminidase alpha chain | lysosome | n-linked | | | | | | 1 | | | | | |
| HEXB_HUMAN | Beta-hexosaminidase beta chain | lysosome | n-linked | | | | 1 | | 1 | | | | | |
| HPT_HUMAN | Haptoglobin | secreted protein | n-linked | 1 | 1 | 1 | | 1 | | | 1 | | | |
| HPTR_HUMAN | Haptoglobin-related protein | secreted protein | predicted | 1 | 1 | 1 | | | | 1 | 1 | | | |
| HRG_HUMAN | Histidine-rich glycoprotein | secreted protein | n-linked | | 1 | 1 | | | | | | | | |
| HV1A_HUMAN | Ig heavy chain V-I region EU | extracellular | no sites | 1 | | 1 | | | | | | | | |
| HV3D_HUMAN | Ig heavy chain V-III region TIL | extracellular | no sites | | | 1 | | | | | | | | |

| LRP2_HUMAN Swiss-Prot ID | Glycoprotein 330 Protein Name | membrane Subcellular location | n-linked Glycoprotein | 1 | 1 | | | | | | 1 | | | |
|------------------------------------|--|---|---------------------------------|----|----|----|----|-----|----|-----|----|----|----|--|
| | | | | T3 | T4 | T9 | T8 | T13 | N3 | N10 | N2 | N5 | N7 | |
| LSAMP_HUMAN | Limbic system-associated membrane protein | membrane | n-linked | | | | | | | 1 | | | | |
| LU_HUMAN | Lutheran blood group glycoprotein | membrane | n-linked | | | | | | | | | | 1 | |
| LUM_HUMAN | Lumican | secreted protein | n-linked | | 1 | | | | | | | | | |
| LV3A_HUMAN | Ig lambda chain V-III region SH | extracellular | no sites | | 1 | 1 | | | | | | | | |
| LYAG_HUMAN | Lysosomal alpha-glucosidase | lysosome | n-linked | 1 | | | 1 | 1 | 1 | 1 | | 1 | 1 | |
| MA2B2_HUMAN | Epididymis-specific alpha-mannosidase | secreted protein | n-linked | | | | | | 1 | | | | | |
| MASP2_HUMAN | MASP-2 | secreted protein | no sites | | | | | | | | | 1 | | |
| MGA_HUMAN | Maltase-glucoamylase, intestinal | membrane | n-linked | | 1 | | 1 | | 1 | | | | | |
| MMP9_HUMAN | Matrix metalloproteinase-9 | extracellular | n-linked | | | | | | | | 1 | | | |
| MUC18_HUMAN | Cell surface glycoprotein MUC18 | membrane | n-linked | | 1 | | | | | | | | | |
| MUCDL_HUMAN | Mucin and cadherin-like protein | membrane | o-, n-linked | | 1 | | | | | | | | | |
| NAGAB_HUMAN | Alpha-galactosidase B | lysosome | n-linked | | | | 1 | | | | | | 1 | |
| NARG1_HUMAN | NMDA receptor-regulated protein 1 | cytoplasm | potential | | | | | | 1 | | | | | |
| NCOR1_HUMAN | Nuclear receptor corepressor 1 | nucleus | potential | | | | 1 | 1 | | | | | | |
| NEGR1_HUMAN | Neuronal growth regulator 1 | membrane | n-linked | | 1 | | | | | | | 1 | | |
| NGAL_HUMAN | Neutrophil gelatinase-associated lipocalin | secreted protein | n-linked | | | | | | | | 1 | | | |
| NIDO_HUMAN | Nidogen-1 | secreted protein | n-linked | | | | | | | 1 | | | 1 | |
| NTRI_HUMAN | Neurotrimin | membrane | n-linked | | | | | | 1 | | | | | |
| ORN_HUMAN | Oligoribonuclease, mitochondrial | nucleus | no sites | | | | | | | | 1 | | | |
| OSTP_HUMAN | Osteopontin | secreted protein | o-, n-linked | 1 | 1 | | 1 | | | 1 | | | 1 | |
| PCDH1_HUMAN | Protocadherin-1 | membrane | n-linked | | 1 | | | | | | | | | |
| PCP_HUMAN | Lysosomal Pro-X carboxypeptidase | lysosome | n-linked | | | | | | 1 | | | | | |
| PEPA_HUMAN | Pepsin A | secreted protein | no sites | | | | 1 | | | | | | | |
| PERM_HUMAN | Myeloperoxidase | lysosome | n-linked | | | | | | | | 1 | | | |
| PGBM_HUMAN | HSPG | secreted protein | o-, n-linked | | 1 | | 1 | 1 | | 1 | | 1 | 1 | |
| PIGR_HUMAN | Polymeric-immunoglobulin receptor | secreted protein | n-linked | 1 | 1 | | 1 | 1 | 1 | 1 | | 1 | 1 | |
| PPAL_HUMAN | Lysosomal acid phosphatase | lysosome | n-linked | | | | 1 | | 1 | 1 | | | 1 | |
| PPGB_HUMAN | Lysosomal protective protein | lysosome | n-linked | | 1 | | 1 | | 1 | 1 | | | 1 | |
| PRSS8_HUMAN | Prostasin | secreted protein | n-linked | | | | | | | | | | 1 | |
| PTGDS_HUMAN | Prostaglandin-H2 D-isomerase | secreted protein | n-linked | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| QPCT_HUMAN | Glutaminy-peptide cyclotransferase | unknown | n-linked | | | | 1 | | | 1 | | 1 | 1 | |

| RS15_HUMAN | 40S ribosomal protein S15 | cytoplasm | no sites | | | | | 1 | | | | | | |
|------------------------|--|-----------------------------|---------------------|-----------|-----------|-----------|-----------|------------|-----------|------------|-----------|-----------|-----------|--|
| Swiss-Prot ID | Protein Name | Subcellular location | Glycoprotein | T3 | T4 | T9 | T8 | T13 | N3 | N10 | N2 | N5 | N7 | |
| S100P_HUMAN | Protein S100-P | cytoplasm | no sites | | | | | 1 | | 1 | | | | |
| S10A6_HUMAN | Protein S100-A6 | cytoplasm | no sites | | | | | 1 | | | | | | |
| SAMP_HUMAN | Serum amyloid P-component | secreted protein | n-linked | | | 1 | | | | | | | | |
| SAP_HUMAN | Proactivator polypeptide | lysosome | n-linked | | | | 1 | | | 1 | | 1 | 1 | |
| SAP3_HUMAN | Ganglioside GM2 activator | lysosome | n-linked | | | | 1 | | | | | | | |
| SCG1_HUMAN | Secretogranin-1 | secretory granules | predicted | | | | | | | | | 1 | 1 | |
| SDC1_HUMAN | Syndecan-1 | membrane | o-, n-linked | 1 | | | 1 | | | | | | | |
| SDC4_HUMAN | Syndecan-4 | membrane | o-linked | 1 | 1 | | 1 | | 1 | 1 | | 1 | | |
| SH3L3_HUMAN | SH3 domain-binding protein 1 | cytoplasm | no sites | | | | 1 | 1 | | 1 | | | 1 | |
| SHPS1_HUMAN | Signal-regulatory protein alpha-1 | membrane | n-linked | 1 | 1 | | 1 | | 1 | 1 | | 1 | | |
| SIRB1_HUMAN | Signal-regulatory protein beta-1 | membrane | n-linked | | 1 | | | | 1 | | | | | |
| SODE_HUMAN | Extracellular superoxide dismutase [Cu-Zn] | secreted protein | n-linked | | 1 | | | | | | | | | |
| SULF2_HUMAN | Extracellular sulfatase Sulf-2 | extracellular | n-linked | | | | | | | | | 1 | | |
| THIO_HUMAN | Thioredoxin | cytoplasm | no sites | | | | | 1 | | | | | | |
| TETN_HUMAN | Tetranectin | secreted protein | o-linked | | | | | | | | | | 1 | |
| TPP1_HUMAN | Tripeptidyl-peptidase 1 | lysosome | predicted | | | | 1 | | | 1 | | | 1 | |
| TRFE_HUMAN | Serotransferrin | secreted protein | o-, n-linked | 1 | 1 | 1 | | 1 | | 1 | 1 | | | |
| TRFL_HUMAN | Lactotransferrin | secreted protein | n-linked | | | | | | | | | 1 | | |
| TTLL7_HUMAN | Tubulin--tyrosine ligase-like protein 7 | unknown | potential | | | 1 | | | | | | 1 | | |
| VMO1_HUMAN | Vitelline membrane outer layer protein 1 homolog | secreted protein | no sites | | | | 1 | | | | | 1 | 1 | |
| UBIQ_HUMAN | Ubiquitin | cytoplasm | no sites | | | | | 1 | | | | | | |
| UD12_HUMAN | UDP-glucuronosyltransferase 1-2 | microsome | n-linked | | | | 1 | 1 | | | | | | |
| UFO_HUMAN | Tyrosine-protein kinase receptor UFO | membrane | n-linked | 1 | 1 | | | | 1 | 1 | | 1 | | |
| UROM_HUMAN | Uromodulin | secreted protein | n-linked | 1 | 1 | | 1 | | 1 | 1 | | 1 | 1 | |
| UTER_HUMAN | Uteroglobin | secreted protein | no sites | | | | | 1 | | | | | | |
| VEZA_HUMAN | Vezatin | membrane | potential | 1 | | 1 | | | | | | | | |
| VTNC_HUMAN | Vitronectin | secreted protein | n-linked | 1 | | 1 | | | | | | | | |
| WTAP_HUMAN | WT1-associated protein | nucleus | potential | | | | | | | 1 | | 1 | | |
| ZA2G_HUMAN | Zinc-alpha-2-glycoprotein | secreted protein | n-linked | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| Total ID/sample | | | | 56 | 68 | 58 | 69 | 49 | 49 | 60 | 49 | 41 | 61 | |

