SUPPLEMENTAL MATERIAL TO "EXPLORATION OF PATHOPHYSIOLOGICAL PATHWAYS FOR INCIDENT ATRIAL FIBRILLATION – THE MALMÖ PREVENTIVE PROJECT"

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Supplemental table 1. Unadjusted Cox regression analyses examining all 92 proteins relation to incident atrial fibrillation

Protein	Hazard ratio (95% confidence interval)	p-value
PON3	0.80 (0.72-0.89)	$7.3x10^{-5}$
IGFBP2	4.47 (1.42-14-1)	0.011
PAI	1.44 (0.65-3.18)	0.371
CTSD	2.45 (1.13-5.30)	0.023
FABP4	1.27 (1.13-1.44)	$8.6x10^{-5}$
CD163	5.25 (1.14-24.1)	0.033
GAL4	1.30 (1.15-1.47)	$3.5x10^{-5}$
LDL-receptor	0.81 (0.39-1.69)	0.582
IL1RT2	0.75 (0.24-2.34)	0.614
t-PA	2.75 (1.21-6.27)	0.016
SELE	0.99 (0.51-1.90)	0.969
CTSZ	2.97 (1.00-8.78)	0.050
GDF15	1.41 (1.25-1.59)	$9.7x10^{-9}$
CSTB	3.75 (1.58-8.92)	0.003
MPO	4.48 (1.73-11.7)	0.002
PCSK9	1.18 (0.73-1.93)	0.501
IGFBP1	2.48 (1.42-4.35)	0.001
RARRES2	64.3 (1.87-2220.8)	0.021
ITGB2	1.01 (0.31-3.29)	0.990
CCL15	3.58 (0.96-13.3)	0.057
SCGB3A2	0.97 (0.71-1.32)	0.839
CHI3L1	1.26 (1.12-1.43)	$1.4x10^{-4}$
CCL16	3.37 (1.05-10.8)	0.041
vWF	1.83 (1.04-3.23)	0.036
IGFBP7	1.27 (1.12-1.43)	$1.2x10^{-4}$
AZU1	2.12 (1.39-3.24)	0.001
TNFR2	4.54 (1.75-11.8)	0.002
IL17RA	1.52 (0.77-2.98)	0.225
TNFR1	1.26 (1.12-1.42)	$1.6x10^{-4}$
PSPD	1.34 (0.95-1.89)	0.093
UPAR	1.30 (1.15-1.47)	$3.7x10^{-5}$
COL1A1	0.98 (0.60-1.60)	0.937
PI3	2.77 (1.48-5.17)	0.001
CPA1	1.04 (0.57-1.89)	0.911
ST2	2.41 (1.20-4.82)	0.013
TRAP	0.63 (0.17-2.31)	0.488
CPB1	1.02 (0.60-1.73)	0.935
MMP3	3.07 (1.01-9.30)	0.047
OPG	2.77 (1.28-5.99)	0.010
MCP1	1.89 (1.07-3.37)	0.028
TNFSF13B	3.93 (1.02-15.1)	0.047
PRTN3	3.10 (1.32-7.28)	0.010
EPHB4	1.39 (0.88-2.19)	0.153
IL18BP	5.65 (1.34-23.8)	0.018
ALCAM	1.39 (0.36-5.35)	0.632
FAS	2.08 (0.69-6.23)	0.191

CXCL16	1.95 (0.33-11.6)	0.464
TNFRSF14	5.04 (1.86-13.7)	0.001
PDGFsubunitA	1.15 (0.88-1.51)	0.297
AXL	12.9 (1.69-97.5)	0.014
PLC	11.5 (2.41-54.7)	0.002
JAMA	1.94 (1.11-3.93)	0.020
GRN	2.25 (0.83-6.05)	0.109
CD93	21.7 (1.55-304.9)	0.022
MMP9	1.27 (0.82-1.95)	0.286
SHPS1	1.55 (0.76-3.13)	0.227
BLMhydrolase	1.95 (0.65-5.89)	0.237
IL2RA	2.26 (1.00-5.10)	0.049
TFPI	0.99 (0.09-9.87)	0.947
APN	1.59 (0.42-6.03)	0.494
CCL24	1.14 (0.60-2.18)	0.691
MEPE	1.40 (0.91-2.16)	0.126
KLK6	0.80 (0.39-1.63)	0.533
DLK1	0.76 (0.33-1.78)	0.531
Notch3	3.14 (1.43-6.88)	0.004
SPON1	1.93 (1.28-2.91)	0.002
uPA	1.84 (0.60-5.61)	0.286
CNTN1	0.85 (0.43-1.65)	0.626
Gal3	1.77 (0.55-5.73)	0.340
TNFRSF10C	1.72 (0.58-5.14)	0.332
TR	2.69 (1.15-6.26)	0.022
CASP3	1.81 (1.03-3.19)	0.039
OPN	1.38 (1.22-1.56)	4.2×10^{-7}
MB	6.87 (2.18-21.7)	0.001
MMP2	1.29 (1.14-1.47)	6.6×10^{-5}
TFF3	6.15 (2.06-18.4)	0.001
TIMP4	3.78 (1.52-9.39)	0.004
PECAM1	1.74 (0.76-4.03)	0.192
CHIT1	1.21 (0.85-1.73)	0.292
RETN	5.86 (1.70-20.1)	0.005
IL1RT1	2.33 (0.39-13.8)	0.351
LTBR	1.97 (0.83-4.67)	0.126
SELP	2.14 (0.53-8.61)	0.286
CCL22	1.23 (0.96-1.57)	0.109
PGLYRP1	5.83 (1.35-25.2)	0.018
ICAM2	1.32 (0.49-3.60)	0.585
TLT2	1.55 (0.69-3.45)	0.286
EGFR	0.67 (0.45-1.00)	0.050
CDH5	1.14 (0.52-2.50)	0.737
IL6RA	1.59 (0.12-21.9)	0.728
EpCAM	0.69 (0.47-1.02)	0.065
NT-proBNP	1.95 (1.75-2.19)	5.1×10^{-32}

Aminopeptidase N (AP-N)
Azurocidin (AZU1)
Bleomycin hydrolase (BLM hydrolase)
C-C motif chemokine 15 (CCL15)
C-C motif chemokine 16 (CCL16)
C-C motif chemokine 24 (CCL24)
C-X-C motif chemokine 16 (CXCL16)
Cadherin-5 (CDH5)
Carboxypeptidase A1 (CPA1)
Carboxypeptidase B (CPB1)
Caspase-3 (CASP-3)
Cathepsin D (CTSD)
Cathepsin Z (CTSZ)
CD166 antigen (ALCAM)
Chitinase-3-like protein 1 (CHI3L1)
Chitotriosidase-1 (CHIT1)
Collagen alpha-1(I) chain (COL1A1)
Complement component C1q receptor (CD93)
Contactin-1 (CNTN1)
Cystatin-B (CSTB)
E-selectin (SELE)
Elafin (PI3)
Ephrin type-B receptor 4 (EPHB4)
Epidermal growth factor receptor (EGFR)
Epithelial cell adhesion molecule (Ep-CAM)
Fatty acid-binding protein, adipocyte (FABP4)
Galectin-3 (Gal-3)
Galectin-4 (Gal-4)
Granulins (GRN)
Growth/differentiation factor 15 (GDF-15)
Insulin-like growth factor-binding protein 1 (IGFBP-1)
Insulin-like growth factor-binding protein 2 (IGFBP-2)
Insulin-like growth factor-binding protein 7 (IGFBP-7)
Integrin beta-2 (ITGB2)
Intercellular adhesion molecule 2 (ICAM-2)
Interleukin-1 receptor type 1 (IL-1RT1)
Interleukin-1 receptor type 2 (IL-1RT2)
Interleukin-17 receptor A (IL-17RA)
Interleukin-18-binding protein (IL-18BP)
Interleukin-2 receptor subunit alpha (IL2-RA)
Interleukin-6 receptor subunit alpha (IL-6RA)
Junctional adhesion molecule A (JAM-A)
Kallikrein-6 (KLK6)
Low-density lipoprotein receptor (LDL receptor)
Lymphotoxin-beta receptor (LTBR)
Matrix extracellular phosphoglycoprotein (MEPE)
Matrix metalloproteinase-2 (MMP-2)
Matrix metalloproteinase-3 (MMP-3)
Matrix metalloproteinase-9 (MMP-9)
Metalloproteinase inhibitor 4 (TIMP4)
Monocyte chemotactic protein 1 (MCP-1)
Myeloblastin (PRTN3)
Myeloperoxidase (MPO)
Myoglobin (MB)
N-terminal prohormone brain natriuretic peptide (NT-proBNP)
Neurogenic locus notch homolog protein 3 (Notch 3)
Osteopontin (OPN)
Osteoprotegerin (OPG)
P-selectin (SELP)
Paraoxonase (PON3)
Peptidoglycan recognition protein 1 (PGLYRP1)
Perlecan (PLC)
Plasminogen activator inhibitor 1 (PAI)
Platelet endothelial cell adhesion molecule (PECAM-1)
Platelet glycoprotein VI (GP6)
Platelet-derived growth factor subunit A (PDGF subunit A)
Proprotein convertase subtilisin/kexin type 9 (PCSK9)
Protein delta homolog 1 (DLK-1)
Pulmonary surfactant-associated protein D (PSP-D)
Resistin (RETN)
Retinoic acid receptor responder protein 2 (RARRES2)
Scavenger receptor cysteine-rich type 1 protein M130 (CD163)
Secretoglobin family 3A member 2 (SCGB3A2)
Spondin-1 (SPON1)
ST2 protein (ST2)
Tartrate-resistant acid phosphatase type 5 (TR-AP)
Tissue factor pathway inhibitor (TFPI)
Tissue-type plasminogen activator (t-PA)
Transferrin receptor protein 1 (TR)
Trefoil factor 3 (TFF3)
Trem-like transcript 2 protein (TLT-2)
Tumor necrosis factor ligand superfamily member 13B (TNFSF13B)
Tumor necrosis factor receptor 1 (TNF-R1)
Tumor necrosis factor receptor 2 (TNF-R2)
Tumor necrosis factor receptor superfamily member 10C (TNFRSF10C)
Tumor necrosis factor receptor superfamily member 14 (TNFRSF14)
Tumor necrosis factor receptor superfamily member 6 (FAS)
Tyrosine-protein kinase receptor UFO (AXL)
Tyrosine-protein phosphatase non-receptor type substrate 1 (SHPS-1)
Urokinase plasminogen activator surface receptor (U-PAR)
Urokinase-type plasminogen activator (uPA)
von Willebrand factor (vWF)