Molecular Omics

Supporting Information

Proteomic Changes Associated with Racial Background and Sepsis Survival Outcomes

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Supporting Information

Supplemental Figure S1: Volcano plot of data without race stratification.

Supplemental Figure S2: Pathway analysis of differentially-expressed proteins between survivors and non-survivors.

Supplemental Figure S3: Raw Western blot images.

Supplemental Figure S4: Comparison of Western blot and MS results.

Supplemental Figure S5: STRING networks of differentially-expressed proteins between survivors and non-survivors in race-stratified groups.

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Supplemental Table S1: TMT channel group assignments.

Supplemental Table S2: Differentially-expressed proteins between survivors and non-survivors.

Supplemental Table S3: Differentially-expressed proteins between survivors and non-survivors when stratified by race.

Supplemental Table S4: Proteins with significant race-survival interaction.

SUPPLEMENTAL FIGURES

Supplemental Figure S1. Volcano plot of protein $\log_2$ of averaged TMT reporter ion abundances' ratio of survivors to non-survivors as a function of p-value (N = 1,639 proteins in the regression model). Light purple points indicate proteins with insignificant p-values ($p \geq 0.05$) and/or insignificant fold change values (1.48>fold change>0.67), and dark purple data points indicate proteins with both significant p values ($p < 0.05$) and fold change values ($\geq$1.48 or $\leq$0.67). Dashed lines indicate p-value and fold change cutoffs. Abbreviations: IL1R2 = interleukin-1 receptor type 2; VCAM1 = vascular cell adhesion molecule 1; CCN2 = cellular communication network family member 2.

Supplemental Figure S2. IPA canonical pathway analysis of proteins (N = 180) with both significant FDR-adjusted p values ($p < 0.05$) and fold change values ($\geq$1.48 or $\leq$0.67). Canonical pathways were identified from the IPA library using Fisher's exact test adjusted for multiple hypothesis testing using the Benjamini-Hochberg correction. Abbreviations: B-H = Benjamini-Hochberg; GP6 = glycoprotein VI; Th1 = T-helper 1; Th2 = T-helper 2; LXR = liver X receptor; RXR = retinoid X receptor; IGF-1 = insulin-like growth factor-1; NK = natural killer; PPARα = peroxisome proliferator activated receptor α; PD-1 = programmed cell death - 1; PDL-1 = programmed cell death - ligand 1; HOTAIR = HOX transcript antisense RNA; OOC = osteoblasts, osteocytes, and chondrocytes; MAPK = mitogen activated protein family of kinases; IL = interleukin; FXR/RXR = farnesoid X receptor/retinoid X receptor; VDR/RXR = vitamin D receptor/retinoid X receptor; PKR = protein kinase receptor.

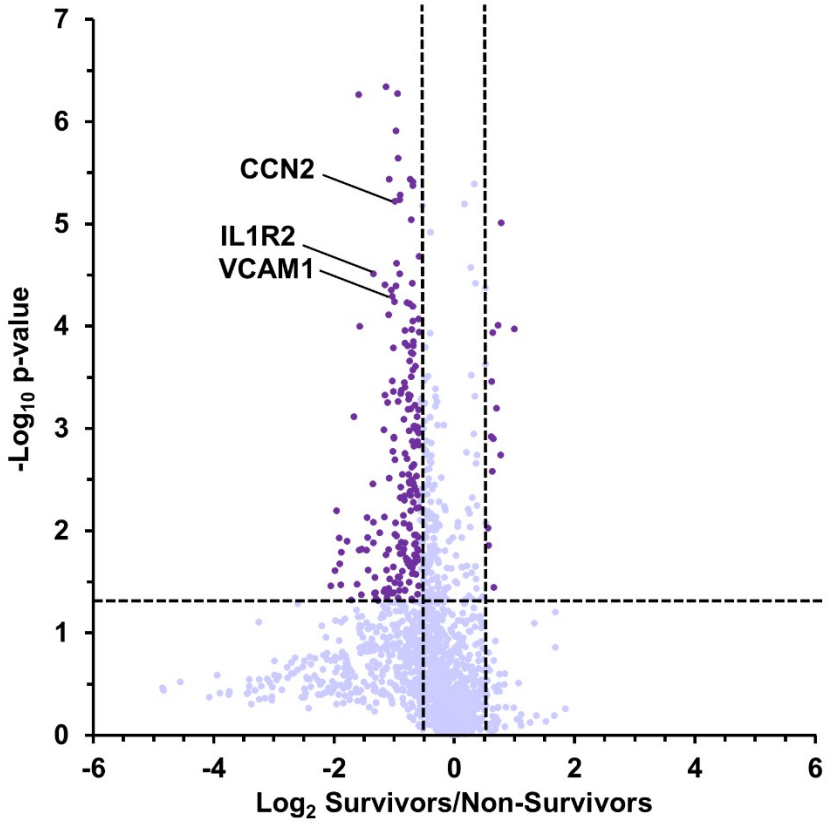
Supplemental Figure S3. Raw, unprocessed images of gels, Ponceau stains and Western blots. For Western blot analysis, samples (N = 10) from each study group were randomly assigned to lanes across two gels. The African American/Black non-survivor group had fewer samples (N = 4). Precision Plus Protein All Blue Prestained Protein Standard (Bio-Rad; Hercules, CA, USA) was used for molecular mass markers in both gels. Protein was first **(A)** loaded on the gels and then **(B)** fractionated using SDS-PAGE. Following SDS-PAGE, protein was transferred to two corresponding nitrocellulose membranes. After successful transfer of protein, the membranes were cut between 75 and 50 kDa mass markers. The membrane pieces above 50 kDa were incubated with an antibody against plasminogen (PLG), and the membrane pieces below 50 kDa were incubated with an antibody against C-reactive protein (CRP). Raw images of **(C)** Ponceau stains of the two membranes following transfer with closest molecular mass markers labeled, and raw images of Western blots for **(D)** PLG and **(E)** CRP with lanes labeled according to sample group. Images in **C-E** were exported as TIFFs from ImageLab; no other alterations were made. Data from Gel 1 is on the left, and data from Gel 2 is on the right.

Supplemental Figure S4. Comparison of Western blot and MS (summed total TMT reporter ion intensity) results for plasminogen (PLG) and C-reactive protein (CRP). **(A)** Western blot images of PLG and CRP. Samples (N = 10) from each group were randomly assigned to lanes across two gels. The African American/Black non-survivor group had fewer samples (N = 4). The bands are labeled according to the sample group. Contrast of raw images was adjusted accordingly for quality in ImageLab, and images were exported as TIFF files. Box plots comparing TMT MS and Western blot intensities for PLG in **(B)** all patients and **(C)** in race-stratified groups and for CRP in **(D)** all patients and **(E)** in race-stratified groups. For all patients,

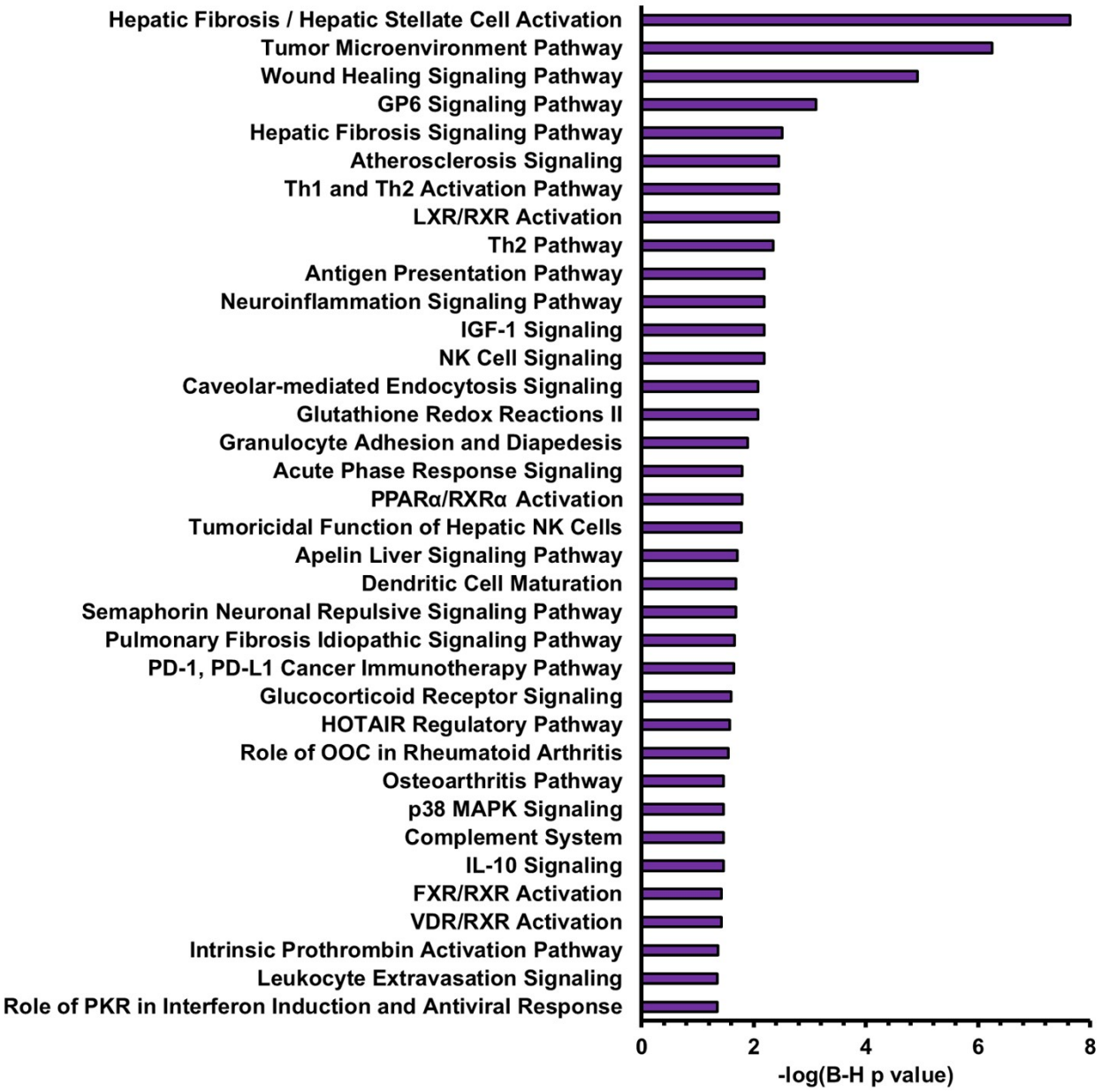
the two groups are (left to right) non-survivors (light blue boxes) and survivors (orange boxes). * indicates $p < 0.05$ and *** indicates $p < 0.001$, as determined by two-tailed t-tests. For race-stratified groups, the four groups are (left to right) non-Hispanic White non-survivors (green boxes), non-Hispanic White survivors (purple boxes), African American/Black non-survivors (red boxes), and African American/Black survivors (blue boxes). * indicates $p < 0.05$ and ** indicates $p < 0.01$, as determined by 2-way ANOVAs with replication and Tukey-Kramer post-hoc tests. The horizontal line in the boxes represents the median and the X represents the mean. Western blot intensities were normalized within each gel to the total sum intensity of each gel and across gels to the geometric mean of the total sum intensities. Abbreviations: PLG = plasminogen; CRP = C-reactive protein; TMT = tandem mass tag; WB = western blot.

Supplemental Figure S5. STRING networks of differentially-expressed proteins between survivors and non-survivors in **(A)** Non-Hispanic White patients and **(B)** African American/Black patients. Disconnected nodes are hidden. Protein nodes with an outer gray circle indicate proteins that are differentially expressed in both racial groups. Protein nodes with an outer gray circle and a colored inner circle represent proteins that are differentially expressed and in a STRING network in both racial groups. Red = CCN2 (or CTGF); Orange = THBS2; Green = EFEMP1; Blue = VCAM1; Pink = IGFALS; Light Blue = CANX; Purple = HLA-A; Black = LILRB4. All protein name abbreviations can be found in Table S3.

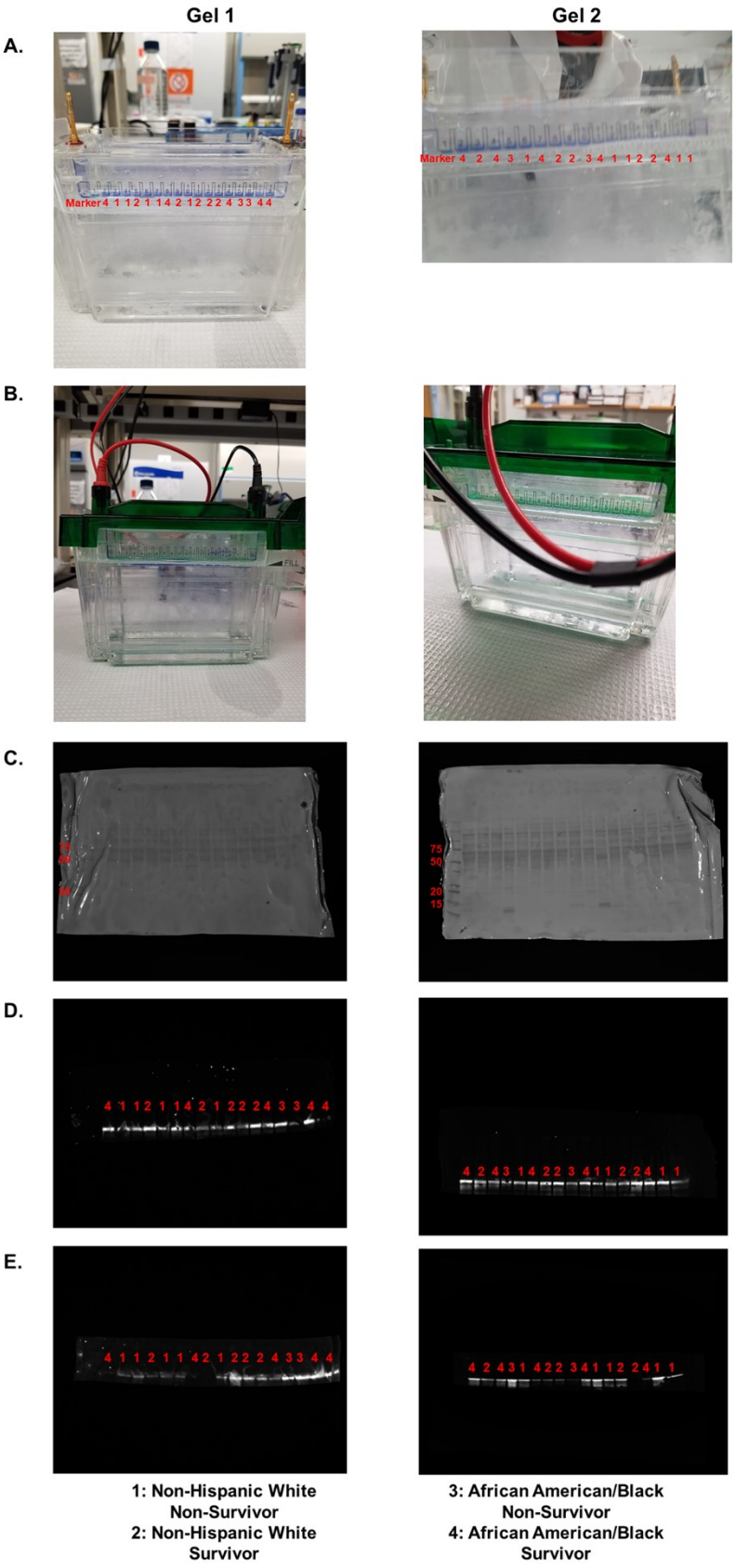
Supplemental Figure S6. STRING networks of the proteins with a significant race-survival interaction term. Disconnected nodes are hidden. All protein name abbreviations can be found in Table S4.



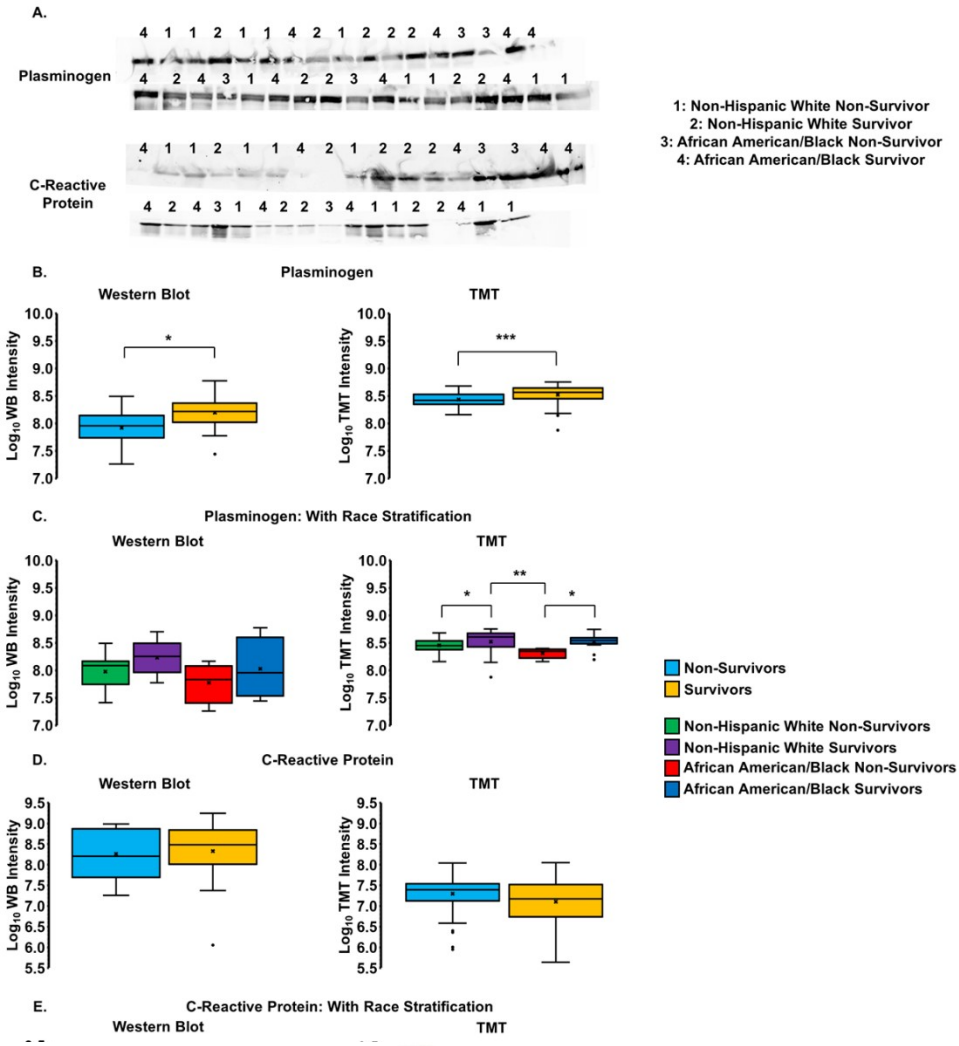
Supplemental Figure S1

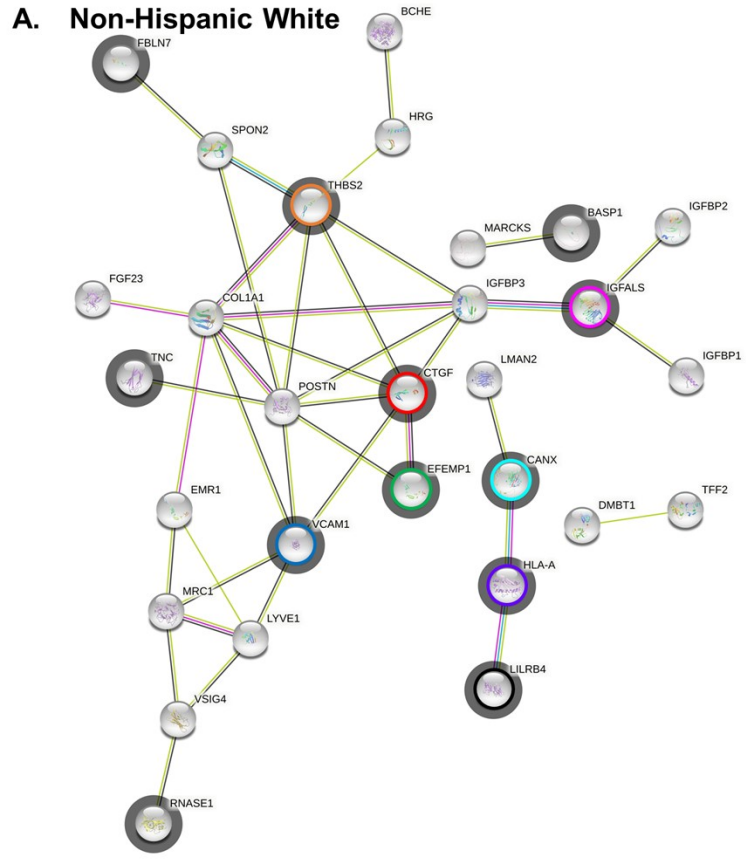


Supplemental Figure S2


Gel 1
Gel 2
A.
Marker 4 1 1 2 1 1 4 2 1 2 2 2 4 3 3 4 4
Marker 4 2 4 3 1 4 2 2 3 4 1 1 2 2 4 1 1
B.
C.
75
50
20
15
D.
4 1 1 2 1 1 4 2 1 2 2 2 4 3 3 4 4
4 2 4 3 1 4 2 2 3 4 1 1 2 2 4 1 1
E.
4 1 1 2 1 1 4 2 1 2 2 2 4 3 3 4 4
4 2 4 3 1 4 2 2 3 4 1 1 2 2 4 1 1
1: Non-Hispanic White
Non-Survivor
2: Non-Hispanic White
Survivor
3: African American/Black
Non-Survivor
4: African American/Black
Survivor

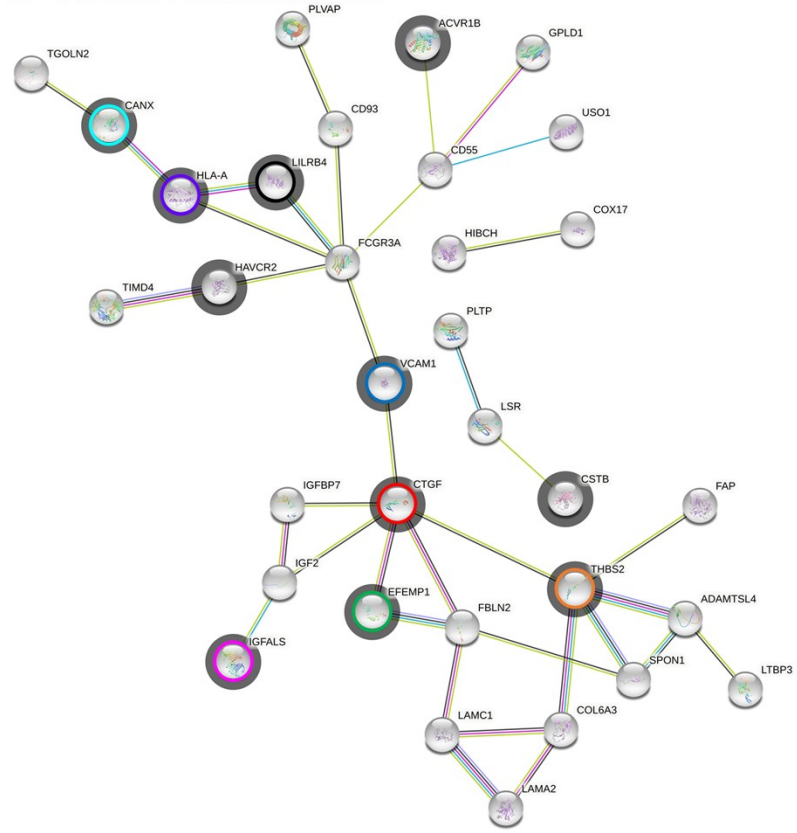
Supplemental Figure S3



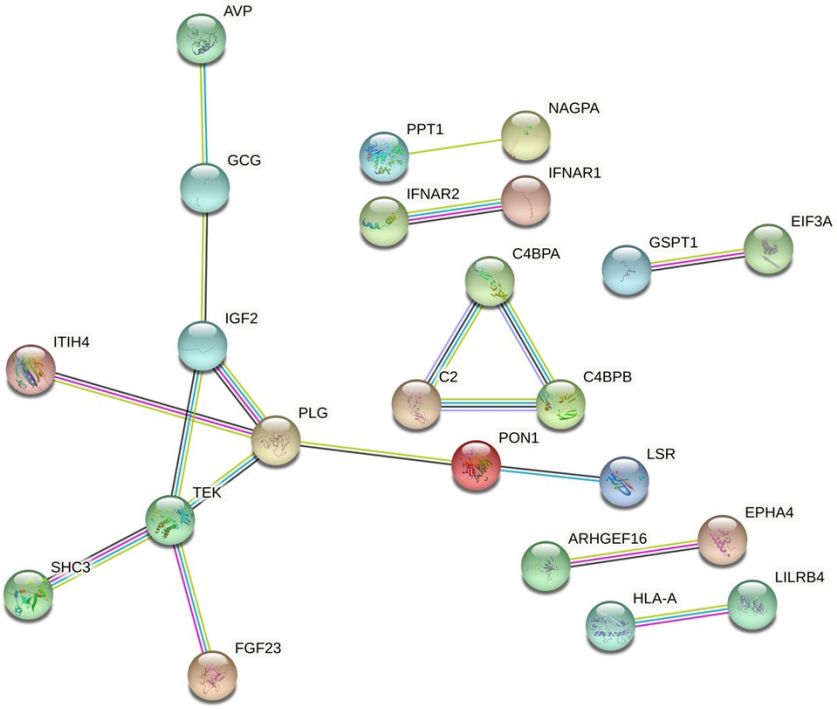


Supplemental Figure S4

B. African American/Black



Supplemental Figure S5



Supplemental Figure S6

SUPPLEMENTAL TABLES

Supplemental Table S1. TMT channel group assignments.

	Batch							
Tag	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**
126	NHW NS	NHW S	NHW S	AA NS	NHW S	AA S	NHW S	NHW NS
127N	NHW S	Pool	NHW S	Pool	NHW NS	NHW NS	NHW NS	-
127C	NHW S	AA S	NHW NS	NHW S	AA S	NHW S	NHW NS	-
128N	NHW S	AA NS	NHW NS	NHW S	AA S	NHW S	NHW S	-
128C	Pool	AA S	NHW NS	NHW S*	Pool	NHW S	AA S	-
129N	NHW S	NHW S	NHW NS	NHW NS	NHW S	NHW NS	AA S	NHW NS
129C	NHW NS	NHW NS	NHW S	NHW S	NHW S	AA S	NHW S	-
130N	NHW NS	NHW NS	Pool	AA S	AA S	AA NS	NHW NS	-
130C	AA S	NHW S	AA S	NHW NS	AA NS	AA S	NHW NS	-
131N	NHW S	NHW S	AA NS	NHW NS	NHW NS	Pool	NHW S	Pool
131C	AA S	NHW NS	NHW S	NHW S	NHW NS	NHW S	Pool	-
132N	NHW NS	AA S	AA S	NHW NS	NHW S	NHW S	AA S	-
132C	AA S	NHW NS	NHW NS	AA S	NHW S	NHW NS	NHW NS	-
133N	NHW S	NHW S	AA S	NHW NS	NHW NS	NHW NS	AA NS	-
133C	AA NS	NHW NS	NHW NS	AA S	NHW NS	NHW S	NHW S	-
134N	NHW NS	NHW S	NHW S	NHW S	NHW S	NHW NS	NHW S	-

Abbreviations: NHW = Non-Hispanic White; AA = African American/Black; S = Survivor; NS = Non-Survivor.
*Denotes a sample that was re-analyzed in Batch 8 (with Tag 128C) due to low tagging efficiency.

Supplemental Table S2. Differentially-Expressed Proteins between Survivors and Non-Survivors.

Accession Number	Gene	Protein Name	Adjusted p-value[a]	Fold Change[b]
P40261	NNMT	Nicotinamide N-methyltransferase	**<0.001**	**0.24**
Q9GZV9	FGF23	Fibroblast growth factor 23	**<0.001**	**0.27**
P04733	MT1F	Metallothionein-1F	**<0.001**	**0.27**
Q00839	HNRNPU	Heterogeneous nuclear ribonucleoprotein U	**<0.001**	**0.32**
Q9Y279	VSIG4	V-set and immunoglobulin domain-containing protein 4	**<0.001**	**0.33**
P10645	CHGA	Chromogranin-A	**<0.001**	**0.34**
P63313	TMSB10	Thymosin β-10	**<0.001**	**0.39**
P27930	IL1R2	Interleukin-1 receptor type 2	**<0.001**	**0.40**
Q14152	EIF3A	Eukaryotic translation initiation factor 3 subunit A	**<0.001**	**0.40**
Q4LDE5	SVEP1	Sushi, von Willebrand factor type A, EGF and pentraxin domain-containing protein 1	**<0.001**	**0.45**
Q68BL8	OLFML2B	Olfactomedin-like protein 2B	**<0.001**	**0.45**
A6NMY6	ANXA2P2	Putative annexin A2-like protein	**<0.001**	**0.45**
Q02487	DSC2	Desmocollin-2	**<0.001**	**0.46**
Q6JBY9	RCSD1	CapZ-interacting protein	**<0.001**	**0.46**
Q14246	ADGRE1	Adhesion G protein-coupled receptor E1	**<0.001**	**0.46**
Q86VB7	CD163	Scavenger receptor cysteine-rich type 1 protein M130	**<0.001**	**0.47**
Q9UGM3	DMBT1	Deleted in malignant brain tumors 1 protein	**<0.001**	**0.47**
P04080	CSTB	Cystatin-B	**<0.001**	**0.47**
P80723	BASP1	Brain acid soluble protein 1	**<0.001**	**0.48**
P27816	MAP4	Microtubule-associated protein 4	**<0.001**	**0.48**
Q08ET2	SIGLEC14	Sialic acid-binding Ig-like lectin 14	**<0.001**	**0.49**
P08833	IGFBP1	Insulin-like growth factor-binding protein 1	**<0.001**	**0.49**
Q9Y6R7	FCGBP	IgGFc-binding protein	**<0.001**	**0.49**
P10451	SPP1	Osteopontin	**<0.001**	**0.49**
P36896	ACVR1B	Activin receptor type-1B	**<0.001**	**0.49**
P19320	VCAM1	Vascular cell adhesion protein 1	**<0.001**	**0.50**
Q9Y5Y7	LYVE1	Lymphatic vessel endothelial hyaluronic acid receptor 1	**<0.001**	**0.50**
Q15063	POSTN	Periostin	**<0.001**	**0.50**
Q8TDQ0	HAVCR2	Hepatitis A virus cellular receptor 2	**<0.001**	**0.51**
P29279	CCN2	CCN family member 2	**<0.001**	**0.51**

Supplemental Table S2 *(cont)*. Differentially-Expressed Proteins between Survivors and Non-Survivors.

Accession Number	Gene	Protein Name	Adjusted p-value[a]	Fold Change[b]
P08637	FCGR3A	Low affinity immunoglobulin γ Fc region receptor III-A	**<0.001**	**0.51**
P15090	FABP4	Fatty acid-binding protein, adipocyte	**<0.001**	**0.51**
Q03403	TFF2	Trefoil factor 2	**<0.001**	**0.51**
P04439-2	HLA-A	Isoform 2 of HLA class I histocompatibility antigen, A α chain	**<0.001**	**0.51**
P27824	CANX	Calnexin	**<0.001**	**0.52**
P24821	TNC	Tenascin	**<0.001**	**0.52**
Q9UKJ1-3	PILRA	Isoform 3 of Paired immunoglobulin-like type 2 receptor α	**<0.001**	**0.52**
Q8NBJ4	GOLM1	Golgi membrane protein 1	**<0.001**	**0.53**
P13796	LCP1	Plastin-2	**<0.001**	**0.53**
P22528	SPRR1B	Cornifin-B	**<0.001**	**0.53**
P22897	MRC1	Macrophage mannose receptor 1	**<0.001**	**0.54**
P35442	THBS2	Thrombospondin-2	**<0.001**	**0.54**
P16070	CD44	CD44 antigen	**<0.001**	**0.54**
P15529	CD46	Membrane cofactor protein	**<0.001**	**0.54**
P35318	ADM	Pro-adrenomedullin	**<0.001**	**0.54**
P41271	NBL1	Neuroblastoma suppressor of tumorigenicity 1	**<0.001**	**0.55**
P07998	RNASE1	Ribonuclease pancreatic	**<0.001**	**0.56**
P80188	LCN2	Neutrophil gelatinase-associated lipocalin	**<0.001**	**0.56**
Q9BYE9	CDHR2	Cadherin-related family member 2	**<0.001**	**0.56**
Q9HD89	RETN	Resistin	**<0.001**	**0.57**
Q14767	LTBP2	Latent-transforming growth factor β-binding protein 2	**<0.001**	**0.57**
Q12805	EFEMP1	EGF-containing fibulin-like extracellular matrix protein 1	**<0.001**	**0.57**
Q09666	AHNAK	Neuroblast differentiation-associated protein AHNAK	**<0.001**	**0.57**
P12830	CDH1	Cadherin-1	**<0.001**	**0.57**
P02452	COL1A1	Collagen α-1(I) chain	**<0.001**	**0.57**
P24043	LAMA2	Laminin subunit α-2	**<0.001**	**0.58**
Q9HCB6	SPON1	Spondin-1	**<0.001**	**0.58**
P12110	COL6A2	Collagen α-2(VI) chain	**<0.001**	**0.59**
O43493	TGOLN2	Trans-Golgi network integral membrane protein 2	**<0.001**	**0.59**
Q9UMX5	NENF	Neudesin	**<0.001**	**0.59**
P31995	FCGR2C	Low affinity immunoglobulin γ Fc region receptor II-c	**<0.001**	**0.59**

Supplemental Table S2 *(cont)*. Differentially-Expressed Proteins between Survivors and Non-Survivors.

Accession Number	Gene	Protein Name	Adjusted p-value[a]	Fold Change[b]
O15123	ANGPT2	Angiopoietin-2	**<0.001**	**0.60**
P08174	CD55	Complement decay-accelerating factor	**<0.001**	**0.60**
P07333	CSF1R	Macrophage colony-stimulating factor 1 receptor	**<0.001**	**0.60**
P20908	COL5A1	Collagen α-1(V) chain	**<0.001**	**0.60**
Q9NPG4	PCDH12	Protocadherin-12	**<0.001**	**0.60**
P12318	FCGR2A	Low affinity immunoglobulin γ Fc region receptor II-a	**<0.001**	**0.60**
P25445	FAS	Tumor necrosis factor receptor superfamily member 6	**<0.001**	**0.61**
P05186	ALPL	Alkaline phosphatase, tissue-nonspecific isozyme	**<0.001**	**0.61**
Q12866	MERTK	Tyrosine-protein kinase Mer	**<0.001**	**0.61**
Q6UX71	PLXDC2	Plexin domain-containing protein 2	**<0.001**	**0.61**
P18065	IGFBP2	Insulin-like growth factor-binding protein 2	**<0.001**	**0.61**
Q9H8J5	MANSC1	MANSC domain-containing protein 1	**<0.001**	**0.61**
P20810	CAST	Calpastatin	**<0.001**	**0.61**
Q12805-5	EFEMP1	Isoform 5 of EGF-containing fibulin-like extracellular matrix protein 1	**<0.001**	**0.61**
Q01523	DEFA5	Defensin-5	**<0.001**	**0.61**
Q969E1	LEAP2	Liver-expressed antimicrobial peptide 2	**<0.001**	**0.61**
P00451	F8	Coagulation factor VIII	**<0.001**	**0.62**
Q99650	OSMR	Oncostatin-M-specific receptor subunit β	**<0.001**	**0.62**
Q03167	TGFBR3	Transforming growth factor β receptor type 3	**<0.001**	**0.62**
Q16270	IGFBP7	Insulin-like growth factor-binding protein 7	**<0.001**	**0.62**
Q13201	MMRN1	Multimerin-1	**<0.001**	**0.62**
P08123	COL1A2	Collagen α-2(I) chain	**<0.001**	**0.62**
Q9NPY3	CD93	Complement component C1q receptor	**<0.001**	**0.62**
P00390	GSR	Glutathione reductase, mitochondrial	**<0.001**	**0.62**
Q9BY67	CADM1	Cell adhesion molecule 1	**<0.001**	**0.62**
O75022	LILRB3	Leukocyte immunoglobulin-like receptor subfamily B member 3	**<0.001**	**0.62**
P07307	ASGR2	Asialoglycoprotein receptor 2	**<0.001**	**0.63**
P12111	COL6A3	Collagen α-3(VI) chain	**<0.001**	**0.63**
Q12907	LMAN2	Vesicular integral-membrane protein VIP36	**<0.001**	**0.63**

Supplemental Table S2 *(cont)*. Differentially-Expressed Proteins between Survivors and Non-Survivors.

Accession Number	Gene	Protein Name	Adjusted p-value[a]	Fold Change[b]
P55285	CDH6	Cadherin-6	**<0.001**	**0.63**
Q01638	IL1RL1	Interleukin-1 receptor-like 1	**<0.001**	**0.63**
P17900	GM2A	Ganglioside GM2 activator	**<0.001**	**0.63**
P19438	TNFRSF1A	Tumor necrosis factor receptor superfamily member 1A	**<0.001**	**0.63**
O95998	IL18BP	Interleukin-18-binding protein	**<0.001**	**0.64**
Q6UY14	ADAMTSL4	ADAMTS-like protein 4	**<0.001**	**0.64**
Q9HCU0	CD248	Endosialin	**<0.001**	**0.65**
Q14515	SPARCL1	SPARC-like protein 1	**<0.001**	**0.65**
P20827	EFNA1	Ephrin-A1	**<0.001**	**0.65**
P14625	HSP90B1	Endoplasmin	**<0.001**	**0.65**
Q13740	ALCAM	CD166 antigen	**<0.001**	**0.66**
O00461	GOLIM4	Golgi integral membrane protein 4	**<0.001**	**0.66**
Q6UVK1	CSPG4	Chondroitin sulfate proteoglycan 4	**<0.001**	**0.66**
Q13444	ADAM15	Disintegrin and metalloproteinase domain-containing protein 15	**<0.001**	**0.66**
P35555	FBN1	Fibrillin-1	**<0.001**	**0.67**
Q6EMK4	VASN	Vasorin	**<0.001**	**0.67**
O14786	NRP1	Neuropilin-1	**<0.001**	**0.67**
P07602	PSAP	Prosaposin	**<0.001**	**0.67**
Q99784	OLFM1	Noelin	**<0.001**	**0.67**
Q9HBR0	SLC38A10	Putative sodium-coupled neutral amino acid transporter 10	**<0.001**	**0.67**
Q14563	SEMA3A	Semaphorin-3A	**<0.001**	**0.67**
P61769	B2M	β-2-microglobulin	**<0.001**	**0.67**
P78324	SIRPA	Tyrosine-protein phosphatase non-receptor type substrate 1	<0.001	0.68
Q9NNX6	CD209	CD209 antigen	<0.001	0.68
P52799	EFNB2	Ephrin-B2	<0.001	0.68
Q92692	NECTIN2	Nectin-2	<0.001	0.68
Q8N6C8	LILRA3	Leukocyte immunoglobulin-like receptor subfamily A member 3	<0.001	0.69
P14543	NID1	Nidogen-1	<0.001	0.69
P98095	FBLN2	Fibulin-2	<0.001	0.69
Q6WN34-2	CHRDL2	Isoform 2 of Chordin-like protein 2	<0.001	0.69
P98172	EFNB1	Ephrin-B1	<0.001	0.69
Q06033	ITIH3	Inter-α-trypsin inhibitor heavy chain H3	<0.001	0.70
Q02952	AKAP12	A-kinase anchor protein 12	<0.001	0.70
P61916	NPC2	NPC intracellular cholesterol transporter 2	<0.001	0.70

Supplemental Table S2 *(cont)*. Differentially-Expressed Proteins between Survivors and Non-Survivors.

Accession Number	Gene	Protein Name	Adjusted p-value[a]	Fold Change[b]
P07339	CTSD	Cathepsin D	<0.001	0.70
Q969H8	MYDGF	Myeloid-derived growth factor	<0.001	0.70
O00391	QSOX1	Sulfhydryl oxidase 1	<0.001	0.71
Q14956	GPNMB	Transmembrane glycoprotein NMB	<0.001	0.71
Q9GZX9	TWSG1	Twisted gastrulation protein homolog 1	<0.001	0.71
P11717	IGF2R	Cation-independent mannose-6-phosphate receptor	<0.001	0.72
Q8N8Z6	DCBLD1	Discoidin, CUB and LCCL domain-containing protein 1	<0.001	0.72
O60462	NRP2	Neuropilin-2	<0.001	0.72
Q92823	NRCAM	Neuronal cell adhesion molecule	<0.001	0.72
Q9H8L6	MMRN2	Multimerin-2	<0.001	0.72
Q12884	FAP	Prolyl endopeptidase FAP	<0.001	0.72
Q96PD2	DCBLD2	Discoidin, CUB and LCCL domain-containing protein 2	<0.001	0.72
Q93091	RNASE6	Ribonuclease K6	<0.001	0.72
P10153	RNASE2	Non-secretory ribonuclease	<0.001	0.73
P19022	CDH2	Cadherin-2	<0.001	0.74
Q9ULI3	HEG1	Protein HEG homolog 1	<0.001	0.74
Q9UJJ9	GNPTG	N-acetylglucosamine-1-phosphotransferase subunit γ	<0.001	0.75
P01011	SERPINA3	α-1-antichymotrypsin	<0.001	0.75
Q9NQ76	MEPE	Matrix extracellular phosphoglycoprotein	<0.001	0.75
P21709	EPHA1	Ephrin type-A receptor 1	<0.001	0.75
P15151	PVR	Poliovirus receptor	<0.001	0.76
P08571	CD14	Monocyte differentiation antigen CD14	<0.001	0.76
O14672	ADAM10	Disintegrin and metalloproteinase domain-containing protein 10	<0.001	0.76
P01034	CST3	Cystatin-C	<0.001	0.76
P05155	SERPING1	Plasma protease C1 inhibitor	<0.001	0.77
Q86TH1	ADAMTSL2	ADAMTS-like protein 2	<0.001	0.77
Q5JPE7	NOMO2	Nodal modulator 2	<0.001	0.77
Q9BPW5	RASL11B	Ras-like protein family member 11B	<0.001	0.77
Q9Y4L1	HYOU1	Hypoxia up-regulated protein 1	<0.001	0.78
P02745	C1QA	Complement C1q subcomponent subunit A	<0.001	0.78
P13598	ICAM2	Intercellular adhesion molecule 2	<0.001	0.79
P33151	CDH5	Cadherin-5	<0.001	0.79

Supplemental Table S2 *(cont)*. Differentially-Expressed Proteins between Survivors and Non-Survivors.

Accession Number	Gene	Protein Name	Adjusted p-value[a]	Fold Change[b]
P40189	IL6ST	Interleukin-6 receptor subunit β	<0.001	0.80
P02746	C1QB	Complement C1q subcomponent subunit B	<0.001	0.80
P02747	C1QC	Complement C1q subcomponent subunit C	<0.001	0.80
Q96RW7	HMCN1	Hemicentin-1	<0.001	0.80
Q04721	NOTCH2	Neurogenic locus notch homolog protein 2	<0.001	0.81
Q99941	ATF6B	Cyclic AMP-dependent transcription factor ATF-6 β	<0.001	0.83
P17813	ENG	Endoglin	<0.001	0.83
Q8WWZ8	OIT3	Oncoprotein-induced transcript 3 protein	<0.001	0.83
Q9BWP8	COLEC11	Collectin-11	<0.001	0.83
P08195	SLC3A2	4F2 cell-surface antigen heavy chain	<0.001	0.84
Q9Y6Z7	COLEC10	Collectin-10	<0.001	0.84
P00450	CP	Ceruloplasmin	<0.001	0.88
P18850	ATF6	Cyclic AMP-dependent transcription factor ATF-6 α	<0.001	0.89
Q5T5S1	CCDC183	Coiled-coil domain-containing protein 183	<0.001	1.05
Q14520	HABP2	Hyaluronan-binding protein 2	<0.001	1.14
O75356	ENTPD5	Ectonucleoside triphosphate diphosphohydrolase 5	<0.001	1.15
P13671	C6	Complement component C6	<0.001	1.18
P02774	GC	Vitamin D-binding protein	<0.001	1.21
P19827	ITIH1	Inter-α-trypsin inhibitor heavy chain H1	<0.001	1.23
P05160	F13B	Coagulation factor XIII B chain	<0.001	1.23
P19823	ITIH2	Inter-α-trypsin inhibitor heavy chain H2	<0.001	1.26
P01008	SERPINC1	Antithrombin-III	<0.001	1.27
P00747	PLG	Plasminogen	<0.001	1.27
P02749	APOH	β-2-glycoprotein 1	<0.001	1.28
Q9UKU6	TRHDE	Thyrotropin-releasing hormone-degrading ectoenzyme	<0.001	1.29
Q14574	DSC3	Desmocollin-3	<0.001	1.30
Q9NTU7	CBLN4	Cerebellin-4	<0.001	1.35
P05546	SERPIND1	Heparin cofactor 2	<0.001	1.44
P03952	KLKB1	Plasma kallikrein	<0.001	1.44
Q96KN2	CNDP1	β-Ala-His dipeptidase	<0.001	1.45

Supplemental Table S2 *(cont)*. Differentially-Expressed Proteins between Survivors and Non-Survivors.

Accession Number	Gene	Protein Name	Adjusted p-value[a]	Fold Change[b]
P01344-2	IGF2	Isoform 2 of Insulin-like growth factor II	**<0.001**	**1.50**
P29622	SERPINA4	Kallistatin	**<0.001**	**1.54**
Q9UGM5	FETUB	Fetuin-B	**<0.001**	**1.54**
P02753	RBP4	Retinol-binding protein 4	**<0.001**	**1.56**
P27169	PON1	Serum paraoxonase/arylesterase 1	**<0.001**	**1.57**
Q86UV6	TRIM74	Tripartite motif-containing protein 74	**<0.001**	**1.58**
P13284	IFI30	γ-interferon-inducible lysosomal thiol reductase	**<0.001**	**1.59**
P80108	GPLD1	Phosphatidylinositol-glycan-specific phospholipase D	**<0.001**	**1.64**
P17936	IGFBP3	Insulin-like growth factor-binding protein 3	**<0.001**	**1.66**
P06276	BCHE	Cholinesterase	**<0.001**	**1.73**
P35858	IGFALS	Insulin-like growth factor-binding protein complex acid labile subunit	**<0.001**	**2.01**
P01160	NPPA	Natriuretic peptides A	**0.005**	**0.53**
Q9Y5Z4	HEBP2	Heme-binding protein 2	**0.005**	**0.56**
Q13822	ENPP2	Ectonucleotide pyrophosphatase/phosphodiesterase family member 2	**0.005**	**0.59**
Q15848	ADIPOQ	Adiponectin	**0.005**	**0.61**
O60664	PLIN3	Perilipin-3	**0.005**	**0.63**
A6NI73	LILRA5	Leukocyte immunoglobulin-like receptor subfamily A member 5	**0.005**	**0.63**
Q8IZA0	KIAA0319L	Dyslexia-associated protein KIAA0319-like protein	**0.005**	**0.64**
Q96CG8	CTHRC1	Collagen triple helix repeat-containing protein 1	**0.005**	**0.65**
Q14314	FGL2	Fibroleukin	0.005	0.68
P54760	EPHB4	Ephrin type-B receptor 4	0.005	0.70
P16035	TIMP2	Metalloproteinase inhibitor 2	0.005	0.70
P26572	MGAT1	α-1,3-mannosyl-glycoprotein 2-β-N-acetylglucosaminyltransferase	0.005	0.71
Q5ZPR3	CD276	CD276 antigen	0.005	0.71
P78504	JAG1	Protein jagged-1	0.005	0.73
P22692	IGFBP4	Insulin-like growth factor-binding protein 4	0.005	0.73
P46531	NOTCH1	Neurogenic locus notch homolog protein 1	0.005	0.74
Q9NPR2	SEMA4B	Semaphorin-4B	0.005	0.75

Supplemental Table S2 *(cont)*. Differentially-Expressed Proteins between Survivors and Non-Survivors.

Accession Number	Gene	Protein Name	Adjusted p-value[a]	Fold Change[b]
P09603	CSF1	Macrophage colony-stimulating factor 1	0.005	0.75
Q92859	NEO1	Neogenin	0.005	0.76
Q86VZ4	LRP11	Low-density lipoprotein receptor-related protein 11	0.005	0.77
P28799	GRN	Progranulin	0.005	0.81
P35916-1	FLT4	Isoform 2 of Vascular endothelial growth factor receptor 3	0.005	0.81
Q14624	ITIH4	Inter-α-trypsin inhibitor heavy chain H4	0.005	0.83
P03951	F11	Coagulation factor XI	0.005	1.09
P14735	IDE	Insulin-degrading enzyme	0.005	1.17
Q13200	PSMD2	26S proteasome non-ATPase regulatory subunit 2	0.005	1.21
Q96PD5	PGLYRP2	N-acetylmuramoyl-L-alanine amidase	0.005	1.29
P02743	APCS	Serum amyloid P-component	0.005	1.31
Q9BYX2	TBC1D2	TBC1 domain family member 2A	**0.005**	**1.48**
P04196	HRG	Histidine-rich glycoprotein	**0.005**	**1.72**
P35754	GLRX	Glutaredoxin-1	**0.009**	**0.50**
Q9Y624	F11R	Junctional adhesion molecule A	**0.009**	**0.58**
P11021	HSPA5	Endoplasmic reticulum chaperone BiP	**0.009**	**0.60**
Q8N149	LILRA2	Leukocyte immunoglobulin-like receptor subfamily A member 2	**0.009**	**0.60**
P17927	CR1	Complement receptor type 1	**0.009**	**0.61**
P10644	PRKAR1A	cAMP-dependent protein kinase type I-α regulatory subunit	**0.009**	**0.62**
Q9BUD6	SPON2	Spondin-2	0.009	0.68
Q9H6X2	ANTXR1	Anthrax toxin receptor 1	0.009	0.69
Q9NS71	GKN1	Gastrokine-1	0.009	0.69
Q10588	BST1	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 2	0.009	0.71
P10646	TFPI	Tissue factor pathway inhibitor	0.009	0.71
P08253	MMP2	72 kDa type IV collagenase	0.009	0.73
O95633	FSTL3	Follistatin-related protein 3	0.009	0.74
Q92626	PXDN	Peroxidasin homolog	0.009	0.75
Q9UBU7	DBF4	Protein DBF4 homolog A	0.009	0.76
O43157	PLXNB1	Plexin-B1	0.009	0.77
P05556	ITGB1	Integrin β-1	0.009	0.78
P55268	LAMB2	Laminin subunit β-2	0.009	0.80
P32942	ICAM3	Intercellular adhesion molecule 3	0.009	0.80

Supplemental Table S2 *(cont)*. Differentially-Expressed Proteins between Survivors and Non-Survivors.

Accession Number	Gene	Protein Name	Adjusted p-value[a]	Fold Change[b]
P28827	PTPRM	Receptor-type tyrosine-protein phosphatase μ	0.009	0.82
Q86SQ4	ADGRG6	Adhesion G-protein coupled receptor G6	0.009	0.83
P49908	SELENOP	Selenoprotein P	0.009	1.16
Q9BXX0	EMILIN2	EMILIN-2	**0.012**	**0.50**
Q14508	WFDC2	WAP four-disulfide core domain protein 2	**0.012**	**0.54**
P07942	LAMB1	Laminin subunit β-1	**0.012**	**0.56**
P11047	LAMC1	Laminin subunit γ-1	**0.012**	**0.59**
Q16627	CCL14	C-C motif chemokine 14	**0.012**	**0.61**
P10321	HLA-C	HLA class I histocompatibility antigen, C α chain	**0.012**	**0.61**
P00167	CYB5A	Cytochrome b5	**0.012**	**0.64**
Q86X29	LSR	Lipolysis-stimulated lipoprotein receptor	**0.012**	**0.66**
P39060	COL18A1	Collagen α-1(XVIII) chain	0.012	0.73
O94985	CLSTN1	Calsyntenin-1	0.012	0.74
P19256	CD58	Lymphocyte function-associated antigen 3	0.012	0.79
P35590	TIE1	Tyrosine-protein kinase receptor Tie-1	0.012	0.80
P05154	SERPINA5	Plasma serine protease inhibitor	0.012	1.28
O15335	CHAD	Chondroadherin	0.012	1.39
P05362	ICAM1	Intercellular adhesion molecule 1	**0.016**	**0.57**
Q14697	GANAB	Neutral α-glucosidase AB	**0.016**	**0.60**
Q96RD9	FCRL5	Fc receptor-like protein 5	**0.016**	**0.66**
P08581	MET	Hepatocyte growth factor receptor	0.016	0.76
P12109	COL6A1	Collagen α-1(VI) chain	0.016	0.77
Q13275	SEMA3F	Semaphorin-3F	0.016	0.86
P13473	LAMP2	Lysosome-associated membrane glycoprotein 2	0.016	0.90
P13611	VCAN	Versican core protein	**0.020**	**0.37**
P09972	ALDOC	Fructose-bisphosphate aldolase C	**0.020**	**0.42**
P10643	C7	Complement component C7	0.020	0.72
Q07954	LRP1	Prolow-density lipoprotein receptor-related protein 1	0.020	0.73
Q8WUJ3	CEMIP	Cell migration-inducing and hyaluronan-binding protein	0.020	0.75
P16109	SELP	P-selectin	0.020	0.81
P31937	HIBADH	3-hydroxyisobutyrate dehydrogenase, mitochondrial	**0.023**	**0.25**

Supplemental Table S2 *(cont)*. Differentially-Expressed Proteins between Survivors and Non-Survivors.

Accession Number	Gene	Protein Name	Adjusted p-value[a]	Fold Change[b]
P55058	PLTP	Phospholipid transfer protein	**0.023**	**0.34**
P49406	MRPL19	39S ribosomal protein L19, mitochondrial	**0.023**	**0.54**
P04275	VWF	von Willebrand factor	**0.023**	**0.60**
O14798	TNFRSF10C	Tumor necrosis factor receptor superfamily member 10C	**0.023**	**0.66**
Q9BRK5	SDF4	45 kDa calcium-binding protein	0.023	0.72
P08575	PTPRC	Receptor-type tyrosine-protein phosphatase C	0.023	0.77
Q5T2D2	TREML2	Trem-like transcript 2 protein	0.023	0.78
Q08380	LGALS3BP	Galectin-3-binding protein	**0.026**	**0.40**
P02768	ALB	Albumin	**0.026**	**0.41**
P54727	RAD23B	UV excision repair protein RAD23 homolog B	**0.026**	**0.56**
P01589	IL2RA	Interleukin-2 receptor subunit α	**0.026**	**0.58**
P10253	GAA	Lysosomal α-glucosidase	**0.026**	**0.64**
O75347	TBCA	Tubulin-specific chaperone A	**0.026**	**0.64**
P09326	CD48	CD48 antigen	0.026	0.69
Q02763	TEK	Angiopoietin-1 receptor	0.026	0.84
P01033	TIMP1	Metalloproteinase inhibitor 1	**0.028**	**0.57**
P20138	CD33	Myeloid cell surface antigen CD33	**0.028**	**0.63**
P42785	PRCP	Lysosomal Pro-X carboxypeptidase	0.028	0.83
Q04756	HGFAC	Hepatocyte growth factor activator	0.028	1.04
P05114	HMGN1	Non-histone chromosomal protein HMG-14	**0.031**	**0.27**
P33241	LSP1	Lymphocyte-specific protein 1	**0.031**	**0.51**
Q12841	FSTL1	Follistatin-related protein 1	**0.031**	**0.56**
Q9UEW3	MARCO	Macrophage receptor MARCO	**0.031**	**0.63**
Q8IZF2	ADGRF5	Adhesion G protein-coupled receptor F5	0.031	0.76
O95428	PAPLN	Papilin	0.031	0.78
P17181	IFNAR1	Interferon α/β receptor 1	0.031	0.82
P04180	LCAT	Phosphatidylcholine-sterol acyltransferase	0.031	0.86
P02765	AHSG	α-2-HS-glycoprotein	0.031	1.24
P22626	HNRNPA2B1	Heterogeneous nuclear ribonucleoproteins A2/B1	**0.034**	**0.40**
O15394	NCAM2	Neural cell adhesion molecule 2	0.034	0.90
Q03591	CFHR1	Complement factor H-related protein 1	0.034	1.13
Q96H15	TIMD4	T-cell immunoglobulin and mucin domain-containing protein 4	**0.037**	**0.45**

Supplemental Table S2 *(cont)*. Differentially-Expressed Proteins between Survivors and Non-Survivors.

Accession Number	Gene	Protein Name	Adjusted p-value[a]	Fold Change[b]
P15311	EZR	Ezrin	**0.037**	**0.48**
P48163	ME1	NADP-dependent malic enzyme	**0.037**	**0.54**
O43278	SPINT1	Kunitz-type protease inhibitor 1	**0.037**	**0.55**
P07858	CTSB	Cathepsin B	**0.037**	**0.66**
Q9UK23	NAGPA	N-acetylglucosamine-1-phosphodiester α-N-acetylglucosaminidase	0.040	0.80
Q5VY43	PEAR1	Platelet endothelial aggregation receptor 1	0.042	0.84
P14151	SELL	L-selectin	0.042	0.85
P06681	C2	Complement C2	0.042	0.91
Q96IY4	CPB2	Carboxypeptidase B2	0.042	1.10
Q9H993	ARMT1	Damage-control phosphatase ARMT1	**0.045**	**0.45**
Q6UX06	OLFM4	Olfactomedin-4	**0.045**	**0.46**
P07108	DBI	Acyl-CoA-binding protein	**0.045**	**0.53**
P48637	GSS	Glutathione synthetase	**0.045**	**0.54**
Q6P4E1	GOLM2	Protein GOLM2	0.045	0.73
P10586	PTPRF	Receptor-type tyrosine-protein phosphatase F	**0.047**	**0.65**
P23467-3	PTPRB	Isoform 3 of Receptor-type tyrosine-protein phosphatase β	0.047	0.76
Q12913	PTPRJ	Receptor-type tyrosine-protein phosphatase η	0.047	0.99

[a]p-values were calculated using a linear regression model and adjusted using FDR. [b]Fold change cutoffs of ≥1.48 or ≤0.67 between survivors/non-survivors. **Bold** denotes proteins that meet both fold change cutoff and adjusted $p < 0.05$ (see Experimental for details).

Supplemental Table S3. Differentially-Expressed Proteins between Survivors and Non-Survivors Stratified by Race.

			Non-Hispanic White		*African American/Black*	
Accession Number	**Gene**	**Protein Name**	**Adjusted p-value[a]**	**Fold Change[b]**	**Adjusted p-value[a]**	**Fold Change[c]**
Q9GZV9	FGF23	Fibroblast growth factor 23	**<0.001**	**0.22**	0.066	0.76
P63313	TMSB10	Thymosin β-10	**<0.001**	**0.36**	0.083	0.29
P31949	S100A11	Protein S100-A11	**<0.001**	**0.37**	0.243	0.11
Q9Y279	VSIG4	V-set and immunoglobulin domain-containing protein 4	**<0.001**	**0.37**	0.075	0.23
Q6JBY9	RCSD1	CapZ-interacting protein	**<0.001**	**0.44**	0.198	0.40
P08833	IGFBP1	Insulin-like growth factor-binding protein 1	**<0.001**	**0.48**	0.098	0.36
Q02487	DSC2	Desmocollin-2	**<0.001**	**0.48**	0.110	0.36
P36896	ACVR1B	Activin receptor type-1B	**<0.001**	**0.48**	**0.039**	**0.34**
Q9Y6R7	FCGBP	IgGFc-binding protein	**<0.001**	**0.50**	**0.008**	**0.36**
P80723	BASP1	Brain acid soluble protein 1	**<0.001**	**0.52**	**0.008**	**0.31**
Q68BL8	OLFML2B	Olfactomedin-like protein 2B	**<0.001**	**0.53**	0.210	0.25
P24821	TNC	Tenascin	**<0.001**	**0.54**	**0.026**	**0.40**
Q03403	TFF2	Trefoil factor 2	**<0.001**	**0.54**	0.141	0.37
P07307	ASGR2	Asialoglycoprotein receptor 2	**<0.001**	**0.57**	0.325	0.81
P29279	CCN2	CCN family member 2	**<0.001**	**0.57**	**0.006**	**0.32**
P04439-2	HLA-A	Isoform 2 of HLA class I histocompatibility antigen, A α chain	**<0.001**	**0.57**	**<0.001**	**0.34**
P41271	NBL1	Neuroblastoma suppressor of tumorigenicity 1	**<0.001**	**0.57**	0.083	0.40
P27824	CANX	Calnexin	**<0.001**	**0.58**	**0.047**	**0.32**
O60449-2	LY75	Isoform 2 of Lymphocyte antigen 75	**<0.001**	**0.58**	0.231	0.38
Q8TDQ0	HAVCR2	Hepatitis A virus cellular receptor 2	**<0.001**	**0.58**	**0.013**	**0.35**
P04080	CSTB	Cystatin-B	**<0.001**	**0.58**	**0.022**	**0.24**
P07998	RNASE1	Ribonuclease pancreatic	**<0.001**	**0.59**	**0.026**	**0.38**
Q12907	LMAN2	Vesicular integral-membrane protein VIP36	**<0.001**	**0.60**	0.031	0.56
Q08ET2	SIGLEC14	Sialic acid-binding Ig-like lectin 14	**<0.001**	**0.61**	0.123	0.24
Q15063	POSTN	Periostin	**<0.001**	**0.61**	0.097	0.25

Supplemental Table S3 (*cont*). Differentially-Expressed Proteins between Survivors and Non-Survivors Stratified by Race.

			Non-Hispanic White		*African American/Black*	
Accession Number	**Gene**	**Protein Name**	**Adjusted p-value[a]**	**Fold Change[b]**	**Adjusted p-value[a]**	**Fold Change[c]**
Q16627	CCL14	C-C motif chemokine 14	**<0.001**	**0.61**	0.179	0.46
O43493	TGOLN2	Trans-Golgi network integral membrane protein 2	<0.001	0.63	**0.015**	**0.40**
Q13201	MMRN1	Multimerin-1	<0.001	0.63	0.045	0.54
Q06033	ITIH3	Inter-α-trypsin inhibitor heavy chain H3	<0.001	0.63	0.636	0.94
Q9NPG4	PCDH12	Protocadherin-12	<0.001	0.64	0.004	0.46
P08123	COL1A2	Collagen α-2(I) chain	<0.001	0.66	0.003	0.45
O43493-4	TGOLN2	Isoform 4 of Trans-Golgi network integral membrane protein 2	<0.001	0.66	**<0.001**	**0.36**
P08174	CD55	Complement decay-accelerating factor	<0.001	0.67	**0.008**	**0.38**
P0DP57	SLURP2	Secreted Ly-6/uPAR domain-containing protein 2	<0.001	0.67	<0.001	0.45
P35613	BSG	Basigin	<0.001	0.67	0.207	0.30
Q99650	OSMR	Oncostatin-M-specific receptor subunit β	<0.001	0.67	0.018	0.43
P48551	IFNAR2	Interferon α/β receptor 2	<0.001	0.67	**<0.001**	**0.36**
Q09666	AHNAK	Neuroblast differentiation-associated protein AHNAK	<0.001	0.67	0.068	0.32
P25445	FAS	Tumor necrosis factor receptor superfamily member 6	<0.001	0.67	0.011	0.43
Q92692	NECTIN2	Nectin-2	<0.001	0.68	0.015	0.54
Q96AP7	ESAM	Endothelial cell-selective adhesion molecule	<0.001	0.68	0.266	0.49
P12111	COL6A3	Collagen α-3(VI) chain	<0.001	0.69	**0.031**	**0.39**
P20908	COL5A1	Collagen α-1(V) chain	<0.001	0.69	0.062	0.35
Q9H8J5	MANSC1	MANSC domain-containing protein 1	<0.001	0.70	**<0.001**	**0.37**
P52799	EFNB2	Ephrin-B2	<0.001	0.70	<0.001	0.53
Q14515	SPARCL1	SPARC-like protein 1	<0.001	0.70	0.059	0.44
Q6EMK4	VASN	Vasorin	<0.001	0.71	0.108	0.54
P12830	CDH1	Cadherin-1	<0.001	0.72	0.096	0.27
Q9HCU0	CD248	Endosialin	<0.001	0.72	0.049	0.43

Supplemental Table S3 (*cont*). Differentially-Expressed Proteins between Survivors and Non-Survivors Stratified by Race.

			Non-Hispanic White		*African American/Black*	
Accession Number	**Gene**	**Protein Name**	**Adjusted p-value[a]**	**Fold Change[b]**	**Adjusted p-value[a]**	**Fold Change[c]**
Q99784	OLFM1	Noelin	<0.001	0.72	0.148	0.52
P05155	SERPING1	Plasma protease C1 inhibitor	<0.001	0.72	0.439	0.89
Q9UBU7	DBF4	Protein DBF4 homolog A	<0.001	0.73	0.895	0.96
Q9UMX5	NENF	Neudesin	<0.001	0.73	**0.039**	**0.30**
P08571	CD14	Monocyte differentiation antigen CD14	<0.001	0.74	0.233	0.79
P19022	CDH2	Cadherin-2	<0.001	0.75	0.053	0.65
P78324	SIRPA	Tyrosine-protein phosphatase non-receptor type substrate 1	<0.001	0.76	0.003	0.46
P01011	SERPINA3	α-1-antichymotrypsin	<0.001	0.78	0.068	0.62
Q96C90	PPP1R14B	Protein phosphatase 1 regulatory subunit 14B	<0.001	0.85	<0.001	0.42
P08582	MELTF	Melanotransferrin	<0.001	0.94	0.360	0.07
Q5T5S1	CCDC183	Coiled-coil domain-containing protein 183	<0.001	1.05	0.223	1.32
Q5VV41	ARHGEF16	ρ guanine nucleotide exchange factor 16	<0.001	1.06	<0.001	1.75
P00734	F2	Prothrombin	<0.001	1.08	0.001	1.36
Q13200	PSMD2	26S proteasome non-ATPase regulatory subunit 2	<0.001	1.09	0.092	1.81
O75882-2	ATRN	Isoform 2 of Attractin	<0.001	1.15	0.015	0.70
P02774	GC	Vitamin D-binding protein	<0.001	1.17	0.070	1.42
O76054	SEC14L2	SEC14-like protein 2	<0.001	1.18	0.275	0.12
P15170	GSPT1	Eukaryotic peptide chain release factor GTP-binding subunit ERF3A	<0.001	1.21	0.009	0.47
P19827	ITIH1	Inter-α-trypsin inhibitor heavy chain H1	<0.001	1.23	0.114	1.39
P00747	PLG	Plasminogen	<0.001	1.24	<0.001	1.63
P01008	SERPINC1	Antithrombin-III	<0.001	1.26	0.011	1.50
P02749	APOH	β-2-glycoprotein 1	<0.001	1.27	0.065	1.45
Q9UKU6	TRHDE	Thyrotropin-releasing hormone-degrading ectoenzyme	<0.001	1.37	0.538	1.16
P03952	KLKB1	Plasma kallikrein	<0.001	1.41	0.008	1.82

Supplemental Table S3 (*cont*). Differentially-Expressed Proteins between Survivors and Non-Survivors Stratified by Race.

			Non-Hispanic White		*African American/Black*	
Accession Number	**Gene**	**Protein Name**	**Adjusted p-value[a]**	**Fold Change[b]**	**Adjusted p-value[a]**	**Fold Change[c]**
P27169	PON1	Serum paraoxonase/arylesterase 1	<0.001	1.43	<0.001	2.25
P02753	RBP4	Retinol-binding protein 4	<0.001	1.49	0.114	1.71
Q9NTU7	CBLN4	Cerebellin-4	<0.001	1.50	0.126	1.19
Q86UV6	TRIM74	Tripartite motif-containing protein 74	<0.001	1.56	0.205	2.07
P17936	IGFBP3	Insulin-like growth factor-binding protein 3	**<0.001**	**1.74**	0.008	1.78
P06276	BCHE	Cholinesterase	**<0.001**	**1.80**	0.001	1.71
P35858	IGFALS	Insulin-like growth factor-binding protein complex acid labile subunit	**<0.001**	**2.03**	**0.002**	**3.38**
Q4LDE5	SVEP1	Sushi, von Willebrand factor type A, EGF and pentraxin domain-containing protein 1	**0.001**	**0.46**	0.091	0.35
Q9UGM3	DMBT1	Deleted in malignant brain tumors 1 protein	**0.001**	**0.49**	0.053	0.31
Q8N114	SHISA5	Protein shisa-5	**0.001**	**0.50**	0.315	0.32
Q9BUD6	SPON2	Spondin-2	**0.001**	**0.59**	0.321	0.71
Q8NBJ4	GOLM1	Golgi membrane protein 1	**0.001**	**0.59**	**0.013**	**0.32**
P00451	F8	Coagulation factor VIII	0.001	0.65	0.074	0.48
P12110	COL6A2	Collagen α-2(VI) chain	0.001	0.66	0.098	0.36
Q03167	TGFBR3	Transforming growth factor β receptor type 3	0.001	0.66	0.061	0.46
P21709	EPHA1	Ephrin type-A receptor 1	0.001	0.68	0.223	0.81
Q12805-5	EFEMP1	Isoform 5 of EGF-containing fibulin-like extracellular matrix protein 1	0.001	0.69	**0.048**	**0.36**
Q16270	IGFBP7	Insulin-like growth factor-binding protein 7	0.001	0.70	**0.011**	**0.38**
Q9NNX6	CD209	CD209 antigen	0.001	0.70	0.017	0.58
P35555	FBN1	Fibrillin-1	0.001	0.71	0.004	0.51
Q15582	TGFBI	Transforming growth factor-β-induced protein ig-h3	0.001	0.80	0.309	0.71
Q14624	ITIH4	Inter-α-trypsin inhibitor heavy chain H4	0.001	0.83	0.911	1.02
P19823	ITIH2	Inter-α-trypsin inhibitor heavy chain H2	0.001	1.25	0.103	1.51

Supplemental Table S3 (*cont*). Differentially-Expressed Proteins between Survivors and Non-Survivors Stratified by Race.

			Non-Hispanic White		*African American/Black*	
Accession Number	**Gene**	**Protein Name**	**Adjusted p-value[a]**	**Fold Change[b]**	**Adjusted p-value[a]**	**Fold Change[c]**
P05160	F13B	Coagulation factor XIII B chain	0.001	1.29	0.795	1.05
Q9BYX2	TBC1D2	TBC1 domain family member 2A	0.001	1.47	0.170	1.96
P29622	SERPINA4	Kallistatin	0.001	1.58	0.178	1.62
Q53RD9	FBLN7	Fibulin-7	**0.002**	**0.61**	**<0.001**	**0.30**
Q96MG2	JSRP1	Junctional sarcoplasmic reticulum protein 1	0.002	0.63	0.200	0.31
Q14767	LTBP2	Latent-transforming growth factor β-binding protein 2	0.002	0.63	0.053	0.35
P55285	CDH6	Cadherin-6	0.002	0.64	0.020	0.54
Q9NPY3	CD93	Complement component C1q receptor	0.002	0.71	**0.039**	**0.36**
Q96PD5	PGLYRP2	N-acetylmuramoyl-L-alanine amidase	0.002	1.24	0.114	1.63
P01344-2	IGF2	Isoform 2 of Insulin-like growth factor II	0.002	1.32	**<0.001**	**2.57**
P04196	HRG	Histidine-rich glycoprotein	**0.002**	**1.73**	0.105	1.92
P18065	IGFBP2	Insulin-like growth factor-binding protein 2	**0.003**	**0.53**	0.025	0.73
P13671	C6	Complement component C6	0.003	1.15	0.082	1.42
P24593	IGFBP5	Insulin-like growth factor-binding protein 5	0.003	1.18	0.327	0.56
P27930	IL1R2	Interleukin-1 receptor type 2	**0.004**	**0.41**	0.175	0.32
P22897	MRC1	Macrophage mannose receptor 1	**0.004**	**0.56**	0.062	0.51
P19320	VCAM1	Vascular cell adhesion protein 1	**0.004**	**0.57**	**0.048**	**0.35**
Q9UJJ9	GNPTG	N-acetylglucosamine-1-phosphotransferase subunit γ	0.004	0.76	0.041	0.63
P02748	C9	Complement component C9	0.004	0.86	0.132	1.28
Q9NS62	THSD1	Thrombospondin type-1 domain-containing protein 1	0.004	1.24	0.335	0.47
Q9Y5Y7	LYVE1	Lymphatic vessel endothelial hyaluronic acid receptor 1	**0.005**	**0.56**	0.054	0.34
Q9Y624	F11R	Junctional adhesion molecule A	0.005	0.68	0.113	0.31
Q6WN34-2	CHRDL2	Isoform 2 of Chordin-like protein 2	0.005	0.71	0.029	0.55

Supplemental Table S3 (*cont*). Differentially-Expressed Proteins between Survivors and Non-Survivors Stratified by Race.

			Non-Hispanic White		*African American/Black*	
Accession Number	**Gene**	**Protein Name**	**Adjusted p-value[a]**	**Fold Change[b]**	**Adjusted p-value[a]**	**Fold Change[c]**
Q9HBR0	SLC38A10	Putative sodium-coupled neutral amino acid transporter 10	0.005	0.74	0.037	0.43
P98172	EFNB1	Ephrin-B1	0.005	0.75	0.017	0.46
Q8NDA2	HMCN2	Hemicentin-2	0.005	1.11	0.050	0.55
P13796	LCP1	Plastin-2	**0.006**	**0.55**	0.094	0.43
P17900	GM2A	Ganglioside GM2 activator	**0.006**	**0.62**	0.113	0.51
O14786	NRP1	Neuropilin-1	0.006	0.74	0.009	0.45
P14543	NID1	Nidogen-1	0.006	0.77	0.114	0.44
P43652	AFM	Afamin	0.006	1.42	0.827	1.04
Q8NHJ6	LILRB4	Leukocyte immunoglobulin-like receptor subfamily B member 4	**0.007**	**0.60**	**<0.001**	**0.29**
Q6UX71	PLXDC2	Plexin domain-containing protein 2	0.007	0.72	**0.047**	**0.35**
P04180	LCAT	Phosphatidylcholine-sterol acyltransferase	0.007	0.82	0.512	0.85
P80108	GPLD1	Phosphatidylinositol-glycan-specific phospholipase D	0.007	1.60	**0.034**	**2.70**
Q8IZA0	KIAA0319L	Dyslexia-associated protein KIAA0319-like protein	0.008	0.67	0.120	0.48
Q96CG8	CTHRC1	Collagen triple helix repeat-containing protein 1	0.008	0.72	0.162	0.43
P10153	RNASE2	Non-secretory ribonuclease	0.008	0.77	0.051	0.57
Q8N8Z6	DCBLD1	Discoidin, CUB and LCCL domain-containing protein 1	0.008	0.79	0.045	0.49
Q9Y4D7	PLXND1	Plexin-D1	0.008	1.12	0.385	0.74
Q14246	ADGRE1	Adhesion G protein-coupled receptor E1	**0.009**	**0.39**	0.347	1.37
P06681	C2	Complement C2	0.009	0.87	0.230	1.11
P05546	SERPIND1	Heparin cofactor 2	0.009	1.35	<0.001	2.29
P02452	COL1A1	Collagen α-1(I) chain	**0.010**	**0.62**	0.110	0.36
O14672	ADAM10	Disintegrin and metalloproteinase domain-containing protein 10	0.010	0.69	0.315	0.79

Supplemental Table S3 (*cont*). Differentially-Expressed Proteins between Survivors and Non-Survivors Stratified by Race.

			Non-Hispanic White		*African American/Black*	
Accession Number	**Gene**	**Protein Name**	**Adjusted p-value[a]**	**Fold Change[b]**	**Adjusted p-value[a]**	**Fold Change[c]**
Q9NQ76	MEPE	Matrix extracellular phosphoglycoprotein	0.010	0.81	0.220	0.52
P35916-1	FLT4	Isoform 2 of Vascular endothelial growth factor receptor 3	0.010	0.84	0.132	0.67
Q9UGM5	FETUB	Fetuin-B	0.010	1.42	0.003	2.40
Q9Y4L1	HYOU1	Hypoxia up-regulated protein 1	0.011	0.80	0.123	0.62
Q12805	EFEMP1	EGF-containing fibulin-like extracellular matrix protein 1	**0.012**	**0.61**	**0.012**	**0.40**
P10646	TFPI	Tissue factor pathway inhibitor	0.012	0.68	0.331	0.59
P02745	C1QA	Complement C1q subcomponent subunit A	0.012	0.82	0.148	0.61
Q92823	NRCAM	Neuronal cell adhesion molecule	0.014	0.74	0.224	0.71
P35318	ADM	Pro-adrenomedullin	0.015	0.69	0.175	0.26
P61916	NPC2	NPC intracellular cholesterol transporter 2	0.015	0.75	0.037	0.48
Q02952	AKAP12	A-kinase anchor protein 12	0.015	0.79	0.010	0.47
P29966	MARCKS	Myristoylated alanine-rich C-kinase substrate	**0.016**	**0.49**	0.275	0.17
O75071	EFCAB14	EF-hand calcium-binding domain-containing protein 14	**0.016**	**0.52**	**<0.001**	**0.34**
Q9HCB6	SPON1	Spondin-1	0.016	0.67	**0.033**	**0.32**
P20138	CD33	Myeloid cell surface antigen CD33	0.016	0.79	0.164	0.28
Q96KG7	MEGF10	Multiple epidermal growth factor-like domains protein 10	0.016	0.85	0.278	0.38
Q9NS71	GKN1	Gastrokine-1	0.017	0.65	0.265	0.63
P12318	FCGR2A	Low affinity immunoglobulin γ Fc region receptor II-a	0.017	0.70	0.110	0.39
Q15113	PCOLCE	Procollagen C-endopeptidase enhancer 1	0.017	1.10	0.448	0.83
Q92529	SHC3	SHC-transforming protein 3	0.017	1.22	0.916	0.91
Q96KN2	CNDP1	β-Ala-His dipeptidase	0.017	1.42	<0.001	1.96
P10451	SPP1	Osteopontin	0.018	0.65	0.068	0.22

Supplemental Table S3 (*cont*). Differentially-Expressed Proteins between Survivors and Non-Survivors Stratified by Race.

			Non-Hispanic White		*African American/Black*	
Accession Number	**Gene**	**Protein Name**	**Adjusted p-value[a]**	**Fold Change[b]**	**Adjusted p-value[a]**	**Fold Change[c]**
P16070	CD44	CD44 antigen	0.018	0.66	0.113	0.28
P19438	TNFRSF1A	Tumor necrosis factor receptor superfamily member 1A	0.018	0.70	0.085	0.42
Q14563	SEMA3A	Semaphorin-3A	0.018	0.74	0.137	0.47
Q9H6X2	ANTXR1	Anthrax toxin receptor 1	0.019	0.73	0.124	0.54
O00391	QSOX1	Sulfhydryl oxidase 1	0.020	0.74	0.093	0.54
Q13308	PTK7	Inactive tyrosine-protein kinase 7	0.020	0.77	0.270	0.22
P35442	THBS2	Thrombospondin-2	**0.021**	**0.62**	**0.008**	**0.32**
P15529	CD46	Membrane cofactor protein	0.022	0.69	**0.024**	**0.26**
O95998	IL18BP	Interleukin-18-binding protein	0.022	0.74	0.066	0.40
P16109	SELP	P-selectin	0.023	0.83	0.343	0.75
O95967	EFEMP2	EGF-containing fibulin-like extracellular matrix protein 2	0.024	0.73	0.052	0.47
P50440-2	GATM	Isoform 2 of Glycine amidinotransferase, mitochondrial	0.024	0.88	0.284	0.08
P31995	FCGR2C	Low affinity immunoglobulin γ Fc region receptor II-c	0.025	0.68	**0.011**	**0.35**
P01034	CST3	Cystatin-C	0.025	0.79	0.113	0.60
P02746	C1QB	Complement C1q subcomponent subunit B	0.025	0.85	0.114	0.60
O75339	CILP	Cartilage intermediate layer protein 1	0.025	1.01	0.205	0.63
P22528	SPRR1B	Cornifin-B	**0.026**	**0.50**	0.202	0.38
P22626	HNRNPA2B1	Heterogeneous nuclear ribonucleoproteins A2/B1	**0.026**	**0.50**	0.241	0.20
P15151	PVR	Poliovirus receptor	0.026	0.82	0.018	0.56
Q9BXX0	EMILIN2	EMILIN-2	**0.028**	**0.55**	0.072	0.30
O00461	GOLIM4	Golgi integral membrane protein 4	0.028	0.80	0.057	0.35
Q9HD89	RETN	Resistin	0.029	0.64	0.112	0.36
P61769	B2M	β-2-microglobulin	0.029	0.71	0.126	0.45

Supplemental Table S3 (*cont*). Differentially-Expressed Proteins between Survivors and Non-Survivors Stratified by Race.

			Non-Hispanic White		*African American/Black*	
Accession Number	**Gene**	**Protein Name**	**Adjusted p-value[a]**	**Fold Change[b]**	**Adjusted p-value[a]**	**Fold Change[c]**
P10644	PRKAR1A	cAMP-dependent protein kinase type I-α regulatory subunit	0.030	0.67	0.152	0.44
P24043	LAMA2	Laminin subunit α-2	0.031	0.68	**0.018**	**0.33**
A6NI73	LILRA5	Leukocyte immunoglobulin-like receptor subfamily A member 5	0.031	0.72	0.190	0.39
P11717	IGF2R	Cation-independent mannose-6-phosphate receptor	0.031	0.75	0.017	0.59
O60664	PLIN3	Perilipin-3	0.032	0.66	0.103	0.48
P03951	F11	Coagulation factor XI	0.034	1.09	0.029	1.32
P17927	CR1	Complement receptor type 1	0.035	0.67	0.078	0.49
P07602	PSAP	Prosaposin	0.035	0.69	0.044	0.53
Q86VZ4	LRP11	Low-density lipoprotein receptor-related protein 11	0.035	0.89	0.087	0.47
P29692	EEF1D	Elongation factor 1-δ	0.035	1.18	0.132	0.26
P33241	LSP1	Lymphocyte-specific protein 1	**0.037**	**0.55**	0.179	0.33
O75821	EIF3G	Eukaryotic translation initiation factor 3 subunit G	0.037	0.63	0.280	0.27
Q08554	DSC1	Desmocollin-1	0.037	1.27	0.558	0.71
Q6UY14	ADAMTSL4	ADAMTS-like protein 4	0.038	0.72	**0.011**	**0.39**
P20827	EFNA1	Ephrin-A1	0.039	0.65	0.050	0.50
P07942	LAMB1	Laminin subunit β-1	0.041	0.69	0.105	0.28
P61626	LYZ	Lysozyme C	0.041	0.84	0.056	0.52
Q14508	WFDC2	WAP four-disulfide core domain protein 2	**0.042**	**0.61**	**0.045**	**0.34**
O15123	ANGPT2	Angiopoietin-2	0.042	0.64	0.061	0.44
P02747	C1QC	Complement C1q subcomponent subunit C	0.042	0.85	0.140	0.60
Q14697	GANAB	Neutral α-glucosidase AB	0.043	0.70	0.239	0.32
P60763	RAC3	Ras-related C3 botulinum toxin substrate 3	0.045	0.94	0.118	0.42

Supplemental Table S3 (*cont*). Differentially-Expressed Proteins between Survivors and Non-Survivors Stratified by Race.

			Non-Hispanic White		*African American/Black*	
Accession Number	**Gene**	**Protein Name**	**Adjusted p-value[a]**	**Fold Change[b]**	**Adjusted p-value[a]**	**Fold Change[c]**
Q14061	COX17	Cytochrome c oxidase copper chaperone	0.109	0.50	**<0.001**	**0.06**
P01861	IGHG4	Immunoglobulin heavy constant γ 4	0.505	1.29	**<0.001**	**0.11**
Q14152	EIF3A	Eukaryotic translation initiation factor 3 subunit A	0.299	0.62	**<0.001**	**0.14**
Q6UWH4	GASK1B	Golgi-associated kinase 1B	0.091	0.57	**<0.001**	**0.31**
Q9NS15	LTBP3	Latent-transforming growth factor β-binding protein 3	0.103	0.85	**<0.001**	**0.38**
Q5ZPR3	CD276	CD276 antigen	0.247	0.76	<0.001	0.50
P50897	PPT1	Palmitoyl-protein thioesterase 1	0.727	1.08	<0.001	0.67
P09466	PAEP	Glycodelin	0.426	0.56	<0.001	0.88
P49908	SELENOP	Selenoprotein P	0.161	1.13	<0.001	1.71
P01040	CSTA	Cystatin-A	0.277	1.00	<0.001	2.47
P01210	PENK	Proenkephalin-A	0.506	0.73	**0.001**	**0.26**
Q9BX97	PLVAP	Plasmalemma vesicle-associated protein	0.395	0.85	**0.001**	**0.33**
Q96IY4	CPB2	Carboxypeptidase B2	0.717	1.00	0.001	1.56
Q03591	CFHR1	Complement factor H-related protein 1	0.085	1.10	0.001	1.71
P04003	C4BPA	C4b-binding protein α chain	0.385	0.84	**0.001**	**2.58**
O76061	STC2	Stanniocalcin-2	0.208	0.92	0.002	0.47
Q7Z7M8	B3GNT8	UDP-GlcNAc:βGal β-1,3-N-acetylglucosaminyltransferase 8	0.842	1.08	0.002	0.51
P01185	AVP	Vasopressin-neurophysin 2-copeptin	0.342	0.87	0.002	1.66
Q6P4E1	GOLM2	Protein GOLM2	0.398	0.86	0.003	0.41
P20851	C4BPB	C4b-binding protein β chain	0.273	0.82	0.003	2.37
Q9UK23	NAGPA	N-acetylglucosamine-1-phosphodiester α-N-acetylglucosaminidase	0.260	0.89	0.004	0.54
Q92485	SMPDL3B	Acid sphingomyelinase-like phosphodiesterase 3b	0.663	1.22	**0.007**	**0.33**

Supplemental Table S3 (*cont*). Differentially-Expressed Proteins between Survivors and Non-Survivors Stratified by Race.

			Non-Hispanic White		*African American/Black*	
Accession Number	**Gene**	**Protein Name**	**Adjusted p-value[a]**	**Fold Change[b]**	**Adjusted p-value[a]**	**Fold Change[c]**
Q9NQ36	SCUBE2	Signal peptide, CUB and EGF-like domain-containing protein 2	0.147	0.78	**0.007**	**0.35**
O60763	USO1	General vesicular transport factor p115	0.656	0.59	**0.008**	**0.10**
P55000	SLURP1	Secreted Ly-6/uPAR-related protein 1	0.786	0.53	**0.008**	**0.12**
P54764	EPHA4	Ephrin type-A receptor 4	0.652	0.95	0.008	0.47
Q02763	TEK	Angiopoietin-1 receptor	0.208	0.89	0.008	0.65
P17181	IFNAR1	Interferon α/β receptor 1	0.477	0.96	0.009	0.49
Q86X29	LSR	Lipolysis-stimulated lipoprotein receptor	0.309	0.79	**0.011**	**0.33**
P55058	PLTP	Phospholipid transfer protein	0.124	0.31	**0.011**	**0.35**
Q13740	ALCAM	CD166 antigen	0.062	0.75	0.011	0.41
Q04721	NOTCH2	Neurogenic locus notch homolog protein 2	0.236	0.89	0.011	0.57
Q9UNS2	COPS3	COP9 signalosome complex subunit 3	0.875	0.93	0.012	0.42
Q9H6B4	CLMP	CXADR-like membrane protein	0.488	0.91	0.012	0.70
Q96H15	TIMD4	T-cell immunoglobulin and mucin domain-containing protein 4	0.164	0.54	**0.015**	**0.25**
Q92626	PXDN	Peroxidasin homolog	0.227	0.82	0.016	0.49
Q9HAV7	GRPEL1	GrpE protein homolog 1, mitochondrial	0.770	0.66	**0.017**	**0.03**
P08637	FCGR3A	Low affinity immunoglobulin γ Fc region receptor III-A	0.091	0.62	**0.018**	**0.29**
Q9H1U4	MEGF9	Multiple epidermal growth factor-like domains protein 9	0.891	1.02	0.018	0.55
P26572	MGAT1	α-1,3-mannosyl-glycoprotein 2-β-N-acetylglucosaminyltransferase	0.055	0.73	0.020	0.56
Q01638	IL1RL1	Interleukin-1 receptor-like 1	0.502	0.87	**0.024**	**0.24**
P17813	ENG	Endoglin	0.183	0.93	0.024	0.57
Q6NVY1	HIBCH	3-hydroxyisobutyryl-CoA hydrolase, mitochondrial	0.529	0.53	**0.025**	**0.13**

Supplemental Table S3 (*cont*). Differentially-Expressed Proteins between Survivors and Non-Survivors Stratified by Race.

			Non-Hispanic White		*African American/Black*	
Accession Number	**Gene**	**Protein Name**	**Adjusted p-value[a]**	**Fold Change[b]**	**Adjusted p-value[a]**	**Fold Change[c]**
P43121	MCAM	Cell surface glycoprotein MUC18	0.786	1.00	0.025	0.43
Q9H1Z8	ECRG4	Augurin	0.487	0.90	**0.029**	**0.30**
P05556	ITGB1	Integrin β-1	0.213	0.85	0.034	0.57
P15090	FABP4	Fatty acid-binding protein, adipocyte	0.061	0.56	**0.037**	**0.30**
Q9BZR6	RTN4R	Reticulon-4 receptor	0.358	0.74	**0.038**	**0.39**
P00748	F12	Coagulation factor XII	0.062	1.11	0.039	1.48
P11047	LAMC1	Laminin subunit γ-1	0.095	0.70	**0.041**	**0.32**
Q9Y5Z4	HEBP2	Heme-binding protein 2	0.324	0.65	**0.041**	**0.34**
Q9ULI3	HEG1	Protein HEG homolog 1	0.164	0.87	0.041	0.42
P54760	EPHB4	Ephrin type-B receptor 4	0.061	0.71	0.042	0.54
P98095	FBLN2	Fibulin-2	0.124	0.81	**0.045**	**0.38**
Q86TH1	ADAMTSL2	ADAMTS-like protein 2	0.122	0.82	0.045	0.59
Q12884	FAP	Prolyl endopeptidase FAP	0.121	0.85	**0.045**	**0.39**
P19256	CD58	Lymphocyte function-associated antigen 3	0.505	0.95	0.047	0.42
P81605	DCD	Dermcidin	0.991	1.09	**0.048**	**0.31**
P00390	GSR	Glutathione reductase, mitochondrial	0.164	0.73	**0.048**	**0.35**
O43157	PLXNB1	Plexin-B1	0.162	0.82	0.049	0.61
P02743	APCS	Serum amyloid P-component	0.088	1.24	0.049	1.64

[a]p-values were calculated using a linear regression model and adjusted using FDR. [b]Fold change cutoffs of ≥1.62 or ≤0.62 between survivors/non-survivors (see Experimental for details). [c]Fold change cutoffs of ≥2.52 or ≤0.40 between survivors/non-survivors (see Experimental for details). **Bold** denotes proteins that meet both fold change cutoff and adjusted $p < 0.05$.

Supplemental Table S4. Proteins with Significant Race-Survival Interaction.

Accession Number	Gene	Protein Name	p-value[a]	Fold Change Values		
				All Patients[b]	Non-Hispanic White[b]	African American/ Black[b]
Q9GZV9	FGF23	Fibroblast growth factor 23	<0.001	**0.27**	**0.22**	0.76
Q9HAV7	GRPEL1	GrpE protein homolog 1, mitochondrial	<0.001	**0.27**	0.66	**0.03**
Q14061	COX17	Cytochrome c oxidase copper chaperone	<0.001	**0.29**	**0.50**	**0.06**
O60763	USO1	General vesicular transport factor p115	<0.001	**0.35**	**0.59**	**0.10**
Q14152	EIF3A	Eukaryotic translation initiation factor 3 subunit A	<0.001	**0.40**	**0.62**	**0.14**
Q8NHJ6	LILRB4	Leukocyte immunoglobulin-like receptor subfamily B member 4	<0.001	**0.54**	**0.60**	**0.29**
Q53RD9	FBLN7	Fibulin-7	<0.001	**0.55**	**0.61**	**0.30**
Q6UWH4	GASK1B	Golgi-associated kinase 1B	<0.001	**0.56**	**0.57**	**0.31**
O75071	EFCAB14	EF-hand calcium-binding domain-containing protein 14	<0.001	**0.57**	**0.52**	**0.34**
P01861	IGHG4	Immunoglobulin heavy constant γ 4	<0.001	**0.60**	1.29	**0.11**
P48551	IFNAR2	Interferon α/β receptor 2	<0.001	**0.61**	0.67	**0.36**
O43493-4	TGOLN2	Isoform 4 of Trans-Golgi network integral membrane protein 2	<0.001	**0.61**	0.66	**0.36**
P0DP57	SLURP2	Secreted Ly-6/uPAR domain-containing protein 2	<0.001	0.69	0.67	0.45
Q9BX97	PLVAP	Plasmalemma vesicle-associated protein	<0.001	0.69	0.85	**0.33**
Q9NS15	LTBP3	Latent-transforming growth factor β-binding protein 3	<0.001	0.70	0.85	**0.38**
Q6P4E1	GOLM2	Protein GOLM2	<0.001	0.73	0.86	0.41
Q96C90	PPP1R14B	Protein phosphatase 1 regulatory subunit 14B	<0.001	0.75	0.85	0.42
Q9UNS2	COPS3	COP9 signalosome complex subunit 3	<0.001	0.77	0.93	0.42
Q9UK23	NAGPA	N-acetylglucosamine-1-phosphodiester α-N-acetylglucosaminidase	<0.001	0.80	0.89	0.54
P17181	IFNAR1	Interferon α/β receptor 1	<0.001	0.82	0.96	0.49
Q02763	TEK	Angiopoietin-1 receptor	<0.001	0.84	0.89	0.65
Q92485	SMPDL3B	Acid sphingomyelinase-like phosphodiesterase 3b	<0.001	0.88	1.22	**0.33**

Supplemental Table S4 (*cont*). Proteins with Significant Race-Survival Interaction.

Accession Number	Gene	Protein Name	p-value[a]	Fold Change Values		
				All Patients[b]	Non-Hispanic White[b]	African American/ Black[b]
P15170	GSPT1	Eukaryotic peptide chain release factor GTP-binding subunit ERF3A	<0.001	0.96	1.21	0.47
P50897	PPT1	Palmitoyl-protein thioesterase 1	<0.001	1.00	1.08	0.67
O75882-2	ATRN	Isoform 2 of Attractin	<0.001	1.03	1.15	0.70
Q5VV41	ARHGEF16	ρ guanine nucleotide exchange factor 16	<0.001	1.09	1.06	1.75
Q92529	SHC3	SHC-transforming protein 3	<0.001	1.10	1.22	0.91
P01185	AVP	Vasopressin-neurophysin 2-copeptin	<0.001	1.12	0.87	1.66
P01040	CSTA	Cystatin-A	<0.001	1.31	1.00	2.47
P01344-2	IGF2	Isoform 2 of Insulin-like growth factor II	<0.001	**1.50**	1.32	**2.57**
P01210	PENK	Proenkephalin-A	0.001	**0.58**	0.73	**0.26**
O76061	STC2	Stanniocalcin-2	0.001	0.79	0.92	0.47
Q7Z7M8	B3GNT8	UDP-GlcNAc:βGal β-1,3-N-acetylglucosaminyltransferase 8	0.001	0.90	1.08	0.51
P55000	SLURP1	Secreted Ly-6/uPAR-related protein 1	0.002	**0.32**	**0.53**	**0.12**
P04003	C4BPA	C4b-binding protein α chain	0.002	1.12	0.84	**2.58**
P20851	C4BPB	C4b-binding protein β chain	0.005	1.05	0.82	2.37
Q9NQ36	SCUBE2	Signal peptide, CUB and EGF-like domain-containing protein 2	0.009	**0.67**	0.78	**0.35**
P27169	PON1	Serum paraoxonase/arylesterase 1	0.015	**1.57**	1.43	2.25
P54764	EPHA4	Ephrin type-A receptor 4	0.016	0.81	0.95	0.47
P01275	GCG	Pro-glucagon	0.018	1.06	**2.17**	**0.16**
Q86X29	LSR	Lipolysis-stimulated lipoprotein receptor	0.019	**0.66**	0.79	**0.33**
P04439-2	HLA-A	Isoform 2 of HLA class I histocompatibility antigen, A α chain	0.023	**0.51**	**0.57**	**0.34**
P00747	PLG	Plasminogen	0.023	1.27	1.24	1.63
Q9H1Z8	ECRG4	Augurin	0.028	0.69	0.90	**0.30**
Q9BRT3	MIEN1	Migration and invasion enhancer 1	0.030	**0.64**	0.73	**0.35**

Supplemental Table S4 (*cont*). Proteins with Significant Race-Survival Interaction.

Accession Number	Gene	Protein Name	p-value[a]	Fold Change Values		
				All Patients[b]	Non-Hispanic White[b]	African American/ Black[b]
Q8NDA2	HMCN2	Hemicentin-2	0.030	0.94	1.11	0.55
P06681	C2	Complement C2	0.031	0.91	0.87	1.11
Q9H8J5	MANSC1	MANSC domain-containing protein 1	0.037	**0.61**	0.70	**0.37**
Q14624	ITIH4	Inter-α-trypsin inhibitor heavy chain H4	0.041	0.83	0.83	1.02

[a]p-values were calculated using a linear regression model and adjusted using FDR. [b]**Bold** denotes proteins that meet fold change cutoff (see Experimental for details) in comparisons of survivors/non-survivors.