**Supplemental Table 1: Summary of variables used in the analysis.**

The list of clinical and biochemical variables used in the analysis where n = the number of patients with reported values, the variable abbreviation and name, treatment, mean value and standard deviation. The variables are categorized into clinical, cathepsin, extracellular matrix (ECM) fragments, RBM1, and RBM2. Some of the biochemical values were not reported for various reasons including below the level of detection and insufficient sample volume to measure all the analytes.

Placebo Doxycycline

Variable -------------------- --------------------

Category Variable (unit) n mean (std) n mean (std)

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Cathepsin % Inhibition 49 58.4 ( 27.4) 41 51.7 ( 31.1)

Cathepsin Cathepsin S Corrected Activity (U/mL) 49 226.3 ( 98.9) 42 209.2 ( 130.6)

Cathepsin Cathepsin S Total Activity (U/mL) 49 493.8 ( 360.4) 44 601.0 ( 418.5)

Cathepsin Cathepsin S (ng/mL) 49 57.8 ( 15.9) 44 58.1 ( 15.7)

Clinical AAA size at 12-month (mm) 48 43.0 ( 5.8) 38 44.6 ( 4.9)

Clinical AAA size at 18-month (mm) 47 44.3 ( 6.4) 41 45.4 ( 5.1)

Clinical AAA size at 6-month (mm) 48 41.9 ( 5.3) 42 43.3 ( 4.6)

Clinical AAA size at baseline (mm) 49 41.3 ( 5.1) 44 42.0 ( 4.6)

Clinical Alanine aminotransferase 45 28.6 ( 14.6) 36 30.1 ( 19.8)

Clinical Age (yrs) 49 72.5 ( 7.5) 44 69.4 ( 7.3)

Clinical BMI 49 26.6 ( 4.0) 44 28.1 ( 4.0)

Clinical Clinical apolipoprotein AI (g/L) 45 1.4 ( 0.3) 36 1.4 ( 0.3)

Clinical Clinical apolipoprotein B (g/L) 45 0.9 ( 0.3) 36 0.9 ( 0.2)

Clinical Creatinine (mol/L) 45 97.2 ( 26.2) 36 88.0 ( 15.0)

Clinical Total Cholesterol (mmol/L) 45 4.7 ( 1.2) 36 4.5 ( 0.9)

Clinical Triglyceride (mmol/L) 45 1.9 ( 0.9) 36 2.1 ( 0.9)

ECM MMP degraded biglycan (ng/ml) 49 53.9 ( 16.1) 44 53.6 ( 23.6)

ECM MMP degraded titin (ng/ml) 49 953.0 ( 313.6) 44 957.4 ( 298.4)

ECM MMP degraded versican (ng/ml) 49 1.8 ( 0.3) 44 1.7 ( 0.4)

ECM MMP-12 degraded elastin (ng/ml) 49 12.1 ( 7.3) 44 11.3 ( 6.5)

RBM1 Interferon gamma (IFN-gamma) (pg/mL) 11 3.6 ( 2.7) 14 4.1 ( 6.1)

RBM1 Matrix Metalloproteinase-9 (MMP-9) (ng/mL) 49 121.8 ( 47.8) 44 146.3 ( 77.3)

RBM1 Osteopontin (ng/mL) 49 21.7 ( 10.2) 44 19.1 ( 10.4)

RBM2 AXL Receptor Tyrosine Kinase (AXL) (ng/mL) 49 17.3 ( 27.1) 44 12.6 ( 4.1)

RBM2 Adiponectin (ug/mL) 48 4.2 ( 2.3) 43 4.3 ( 3.8)

RBM2 Adrenocorticotropic Hormone (ACTH) (ng/mL) 36 1.9 ( 2.5) 29 0.9 ( 0.5)

RBM2 Agouti-Related Protein (AgRP) 9 120.2 ( 101.2) 10 75.3 ( 35.4)

RBM2 Alpha-1-Antichymotrypsin (AACT) (ug/mL) 49 914.4 ( 143.4) 44 937.0 ( 181.5)

RBM2 Alpha-1-Antitrypsin (AAT) (mg/mL) 49 1.5 ( 0.5) 44 1.4 ( 0.4)

RBM2 Alpha-1-Microglobulin (A1Micro) (ug/mL) 49 15.9 ( 4.2) 44 15.6 ( 3.8)

RBM2 Alpha-2-Macroglobulin (A2Macro) (mg/mL) 48 1.7 ( 0.5) 43 1.6 ( 0.5)

RBM2 Alpha-Fetoprotein (AFP) (ng/mL) 49 1.6 ( 0.8) 44 1.8 ( 1.3)

RBM2 Amphiregulin (AR) (pg/mL) 11 160.1 ( 39.6) 4 251.5 ( 65.0)

RBM2 Angiopoietin-2 (ANG-2) (ng/mL) 49 4.8 ( 2.2) 44 5.4 ( 3.3)

RBM2 Angiotensin-Converting Enzyme (ACE) (ng/mL) 49 108.8 ( 40.4) 44 112.5 ( 39.4)

RBM2 Angiotensinogen (ng/mL) 42 18.3 ( 32.0) 40 9.9 ( 14.6)

RBM2 Apolipoprotein A-I (Apo A-I) (mg/mL) 49 0.4 ( 0.2) 44 0.4 ( 0.3)

RBM2 Apolipoprotein A-II (Apo A-II) (ng/mL) 49 293.6 ( 69.2) 44 284.4 ( 78.7)

RBM2 Apolipoprotein A-IV (Apo A-IV) (ug/mL) 49 21.5 ( 7.2) 44 22.6 ( 6.7)

RBM2 Apolipoprotein B (Apo B) (ug/mL) 49 1055.9 ( 373.2) 44 989.8 ( 363.9)

Placebo Doxycycline

Variable -------------------- --------------------

Category Variable (unit) n mean (std) n mean (std)

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RBM2 Apolipoprotein C-I (Apo C-I) (ng/mL) 49 230.9 ( 84.2) 44 226.5 ( 138.1)

RBM2 Apolipoprotein C-III (Apo C-III) (ug/mL) 49 134.9 ( 83.7) 44 142.8 ( 135.9)

RBM2 Apolipoprotein D (Apo D) (ug/mL) 49 180.7 ( 58.7) 44 170.4 ( 70.5)

RBM2 Apolipoprotein E (Apo E) (ug/mL) 49 46.4 ( 14.9) 44 48.7 ( 30.5)

RBM2 Apolipoprotein H (Apo H) (ug/mL) 49 270.1 ( 72.0) 44 285.0 ( 78.0)

RBM2 Apolipoprotein(a) (Lp(a)) (ug/mL) 49 493.5 ( 530.6) 43 415.9 ( 517.1)

RBM2 B Lymphocyte Chemoattractant (BLC) (pg/mL) 27 20.4 ( 20.8) 25 18.4 ( 15.8)

RBM2 Beta-2-Microglobulin (B2M) (ug/mL) 48 2.3 ( 0.7) 43 2.3 ( 0.6)

RBM2 Betacellulin (BTC) (pg/mL) 7 141.4 ( 154.0) 4 132.3 ( 61.1)

RBM2 Bone Morphogenetic Protein 6 (BMP-6) (ng/mL) 49 5.3 ( 18.7) 44 1.7 ( 0.7)

RBM2 Brain-Derived Neurotrophic Factor (BDNF) (ng/mL) 43 0.4 ( 0.7) 38 0.7 ( 1.4)

RBM2 C-Peptide (ng/mL) 49 6.4 ( 7.7) 44 5.4 ( 4.3)

RBM2 C-Reactive Protein (CRP) (ug/mL) 47 3.6 ( 3.5) 41 3.8 ( 2.5)

RBM2 CD 40 antigen (CD40) (ng/mL) 49 0.8 ( 0.4) 44 0.8 ( 0.6)

RBM2 CD40 Ligand (CD40-L) (ng/mL) 49 0.0 ( 0.0) 43 0.0 ( 0.0)

RBM2 CD5 Antigen-like (CD5L) (ng/mL) 49 3575.1 (1692.0) 44 3227.0 (1048.7)

RBM2 Calbindin (ng/mL) 45 6.8 ( 2.8) 33 6.2 ( 1.9)

RBM2 Calcitonin (pg/mL) 43 14.8 ( 14.2) 40 12.6 ( 6.7)

RBM2 Cancer Antigen 125 (CA-125) (U/mL) 49 13.5 ( 5.4) 44 11.5 ( 5.6)

RBM2 Cancer Antigen 19-9 (CA-19-9) (U/mL) 47 9.0 ( 8.0) 41 22.5 ( 60.2)

RBM2 Carcinoembryonic Antigen (CEA) (ng/mL) 49 3.3 ( 3.4) 44 3.0 ( 2.1)

RBM2 Chemokine CC-4 (HCC-4) (ng/mL) 48 4.3 ( 2.6) 44 4.1 ( 3.9)

RBM2 Chromogranin-A (CgA) (ng/mL) 42 579.9 ( 339.8) 36 578.7 ( 418.2)

RBM2 Clusterin (CLU) (ug/mL) 49 254.7 ( 56.4) 44 264.2 ( 73.4)

RBM2 Complement C3 (C3) (mg/mL) 49 1.1 ( 0.3) 44 1.0 ( 0.2)

RBM2 Complement Factor H (ug/mL) 49 3643.9 (1323.8) 44 3198.2 (1334.9)

RBM2 Connective Tissue Growth Factor (CTGF) (ng/mL) 6 1.3 ( 0.5) 2 1.2 ( 0.9)

RBM2 Cortisol (ng/mL) 49 585.8 ( 321.8) 44 645.3 ( 296.5)

RBM2 Creatine Kinase-MB (CK-MB) (ng/mL) 49 2.7 ( 2.1) 44 2.7 ( 1.3)

RBM2 Cystatin-C (ng/mL) 49 1417.8 ( 514.0) 44 1263.9 ( 402.0)

RBM2 E-Selectin (ng/mL) 49 8.6 ( 3.3) 44 8.9 ( 3.7)

RBM2 EN-RAGE (ng/mL) 45 1.3 ( 1.1) 43 1.9 ( 1.7)

RBM2 Endothelin-1 (ET-1) (pg/mL) 26 24.2 ( 15.0) 28 19.5 ( 6.1)

RBM2 Eotaxin-1 (pg/mL) 30 36.1 ( 26.0) 15 31.2 ( 12.9)

RBM2 Eotaxin-3 (pg/mL) 35 56.0 ( 33.9) 36 47.6 ( 18.2)

RBM2 Epidermal Growth Factor (EGF) (pg/mL) 37 3.9 ( 2.3) 41 3.4 ( 2.4)

RBM2 Epidermal Growth Factor Receptor (EGFR) (ng/mL) 49 3.8 ( 0.4) 44 4.0 ( 0.7)

RBM2 Epiregulin (EPR) (pg/mL) 1 19.0 ( .) 1 22.0 ( .)

RBM2 Epithelial-Derived Neutrophil-Activating Protein 78 35 0.1 ( 0.1) 33 0.2 ( 0.4)

(ENA-78) (ng/mL)

Placebo Doxycycline

Variable -------------------- --------------------

Category Variable (unit) n mean (std) n mean (std)

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RBM2 Erythropoietin (EPO) (pg/mL) 42 9.1 ( 9.0) 42 7.8 ( 12.1)

RBM2 FASLG Receptor (FAS) (ng/mL) 49 19.7 ( 7.9) 44 16.5 ( 8.1)

RBM2 Factor VII (ng/mL) 49 464.6 ( 286.4) 44 513.5 ( 242.1)

RBM2 Fas Ligand (FasL) (pg/mL) 49 141.8 ( 237.9) 44 68.7 ( 22.3)

RBM2 Fatty Acid-Binding Protein, heart (FABP, heart) (ng/mL) 48 8.0 ( 4.7) 44 8.4 ( 5.5)

RBM2 Ferritin (FRTN) (ng/mL) 48 183.0 ( 151.3) 43 193.7 ( 177.7)

RBM2 Fetuin-A (ug/mL) 49 883.9 ( 232.8) 44 894.3 ( 221.0)

RBM2 Fibrinogen (mg/mL) 49 5.1 ( 1.9) 44 4.8 ( 1.1)

RBM2 Fibroblast Growth Factor basic (FGF-basic) (pg/mL) 5 159.0 ( 61.8) 3 94.0 ( 20.8)

RBM2 Follicle-Stimulating Hormone (FSH) (mIU/mL) 49 12.5 ( 15.2) 44 15.0 ( 19.4)

RBM2 Glucagon (pg/mL) 27 76.1 ( 31.8) 18 76.9 ( 59.4)

RBM2 Glucagon-like Peptide 1, total (GLP-1 total) (pg/mL) 49 11.1 ( 6.0) 44 10.9 ( 5.4)

RBM2 Glutathione S-Transferase alpha (GST-alpha) (ng/mL) 49 16.7 ( 20.4) 44 20.4 ( 26.2)

RBM2 Granulocyte Colony-Stimulating Factor (G-CSF) (pg/mL) 19 7.3 ( 8.2) 19 4.0 ( 1.2)

RBM2 Granulocyte-Macrophage Colony-Stimulating Factor (GM-CSF) 29 27.3 ( 32.0) 19 24.1 ( 15.2)

(pg/mL)

RBM2 Growth Hormone (GH) (ng/mL) 49 1.3 ( 1.1) 43 1.4 ( 2.2)

RBM2 Haptoglobin (mg/mL) 49 1.8 ( 1.3) 44 1.7 ( 1.1)

RBM2 Heat Shock Protein 60 (HSP-60) (ng/mL) 7 57.3 ( 51.0) 5 28.6 ( 43.5)

RBM2 Heparin-Binding EGF-Like Growth Factor (HB-EGF) (pg/mL) 48 22.5 ( 9.8) 44 17.8 ( 7.0)

RBM2 Hepatocyte Growth Factor (HGF) (ng/mL) 49 5.5 ( 2.5) 44 5.2 ( 3.9)

RBM2 Immunoglobulin A (IgA) (mg/mL) 49 3.5 ( 1.5) 44 2.9 ( 1.8)

RBM2 Immunoglobulin E (IgE) (U/mL) 47 191.9 ( 281.1) 40 134.9 ( 173.5)

RBM2 Immunoglobulin M (IgM) 49 1.2 ( 0.7) 44 1.4 ( 1.2)

RBM2 Insulin (uIU/mL) 49 7.1 ( 8.1) 44 9.0 ( 11.8)

RBM2 Insulin-like Growth Factor-Binding Protein 2 (IGFBP-2) 49 129.5 ( 64.0) 44 122.0 ( 107.0)

(ng/mL)

RBM2 Intercellular Adhesion Molecule 1 (ICAM-1) (ng/mL) 49 156.7 ( 51.9) 44 155.3 ( 42.9)

RBM2 Interferon gamma Induced Protein 10 (IP-10) (pg/mL) 43 51.3 ( 18.1) 31 47.7 ( 46.1)

RBM2 Interleukin-1 alpha (IL-1 alpha) (ng/mL) 9 0.0 ( 0.0) 6 0.0 ( 0.0)

RBM2 Interleukin-1 beta (IL-1 beta) (pg/mL) 36 1.7 ( 0.7) 34 1.3 ( 0.7)

RBM2 Interleukin-1 receptor antagonist (IL-1ra) (pg/mL) 48 114.3 ( 258.2) 44 68.5 ( 32.4)

RBM2 Interleukin-10 (IL-10) (pg/mL) 43 5.5 ( 4.6) 38 5.0 ( 5.0)

RBM2 Interleukin-11 (IL-11) (pg/mL) 41 404.8 (1859.1) 35 66.3 ( 37.4)

RBM2 Interleukin-12 Subunit p40 (IL-12p40) (ng/mL) 35 0.2 ( 0.1) 22 0.1 ( 0.1)

RBM2 Interleukin-12 Subunit p70 (IL-12p70) (pg/mL) 8 21.6 ( 17.8) 5 20.6 ( 14.7)

RBM2 Interleukin-13 (IL-13) (pg/mL) 48 23.7 ( 12.4) 44 26.2 ( 15.1)

RBM2 Interleukin-15 (IL-15) (ng/mL) 25 0.2 ( 0.1) 16 0.2 ( 0.1)

RBM2 Interleukin-16 (IL-16) (pg/mL) 49 309.4 ( 104.1) 44 279.6 ( 88.3)

RBM2 Interleukin-18 (IL-18) (pg/mL) 49 307.7 ( 146.2) 44 283.9 ( 116.7)

Placebo Doxycycline

Variable -------------------- --------------------

Category Variable (unit) n mean (std) n mean (std)

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RBM2 Interleukin-2 (IL-2) (pg/mL) 19 16.5 ( 11.1) 18 14.5 ( 5.6)

RBM2 Interleukin-3 (IL-3) (ng/mL) 48 0.0 ( 0.0) 43 0.0 ( 0.0)

RBM2 Interleukin-4 (IL-4) (pg/mL) 36 19.2 ( 7.6) 29 21.1 ( 7.5)

RBM2 Interleukin-5 (IL-5) (pg/mL) 48 15.3 ( 11.5) 43 15.2 ( 12.5)

RBM2 Interleukin-6 (IL-6) (pg/mL) 47 5.4 ( 2.8) 43 4.3 ( 2.1)

RBM2 Interleukin-6 receptor (IL-6r) (ng/mL) 48 29.1 ( 9.1) 44 29.0 ( 7.5)

RBM2 Interleukin-7 (IL-7) (pg/mL) 46 80.8 ( 44.8) 41 84.9 ( 58.7)

RBM2 Interleukin-8 (IL-8) (pg/mL) 43 7.9 ( 6.1) 37 8.8 ( 8.8)

RBM2 Kidney Injury Molecule-1 (KIM-1) (ng/mL) 49 0.2 ( 0.2) 44 0.2 ( 0.1)

RBM2 Lectin-Like Oxidized LDL Receptor 1 (LOX-1) (ng/mL) 30 0.7 ( 0.2) 25 0.7 ( 0.3)

RBM2 Leptin (ng/mL) 49 10.1 ( 9.1) 44 9.5 ( 8.3)

RBM2 Luteinizing Hormone (LH) (mIU/mL) 49 8.9 ( 4.7) 44 9.7 ( 6.5)

RBM2 Lymphotactin (ng/mL) 4 0.2 ( 0.1) 1 0.1 ( .)

RBM2 Macrophage Colony-Stimulating Factor 1 (M-CSF) (ng/mL) 45 0.8 ( 0.3) 39 0.7 ( 0.3)

RBM2 Macrophage Inflammatory Protein-1 alpha (MIP-1 alpha) 49 57.9 ( 25.4) 44 51.1 ( 24.1)

(pg/mL)

RBM2 Macrophage Inflammatory Protein-1 beta (MIP-1 beta) (pg/mL) 49 159.4 ( 48.9) 44 198.0 ( 177.9)

RBM2 Macrophage Inflammatory Protein-3 alpha (MIP-3 alpha) 49 65.5 ( 31.5) 44 59.0 ( 21.9)

(pg/mL)

RBM2 Macrophage Migration Inhibitory Factor (MIF) (ng/mL) 49 0.1 ( 0.1) 44 0.1 ( 0.1)

RBM2 Macrophage-Derived Chemokine (MDC) (pg/mL) 46 167.5 ( 156.3) 43 157.9 ( 172.8)

RBM2 Malondialdehyde-Modified Low-Density Lipoprotein (MDA-LDL) 26 204.3 ( 85.8) 21 129.0 ( 50.9)

(ng/mL)

RBM2 Matrix Metalloproteinase-1 (MMP-1) (ng/mL) 21 0.4 ( 0.2) 26 0.4 ( 0.2)

RBM2 Matrix Metalloproteinase-10 (MMP-10) (ng/mL) 49 0.1 ( 0.0) 44 0.1 ( 0.1)

RBM2 Matrix Metalloproteinase-2 (MMP-2) (ng/mL) 49 2 795.5 ( 703.1) 44 2 820.5 ( 662.6)

RBM2 Matrix Metalloproteinase-3 (MMP-3) (ng/mL) 49 23.2 ( 17.9) 44 19.0 ( 10.6)

RBM2 Matrix Metalloproteinase-7 (MMP-7) (ng/mL) 49 1.6 ( 0.8) 44 1.7 ( 0.7)

RBM2 Matrix Metalloproteinase-9, total (MMP-9, total) (ng/mL) 48 331.5 ( 116.1) 44 394.3 ( 182.5)

RBM2 Monocyte Chemotactic Protein 1 (MCP-1) (pg/mL) 49 174.5 ( 59.2) 44 181.8 ( 149.3)

RBM2 Monocyte Chemotactic Protein 2 (MCP-2) (pg/mL) 49 21.5 ( 13.6) 44 17.7 ( 10.7)

RBM2 Monocyte Chemotactic Protein 4 (MCP-4) (pg/mL) 49 924.4 ( 372.3) 44 856.1 ( 196.6)

RBM2 Monokine Induced by Gamma Interferon (MIG) (pg/mL) 49 2 704.8 (1901.4) 44 1 886.9 (1946.6)

RBM2 Myeloid Progenitor Inhibitory Factor 1 (MPIF-1) (ng/mL) 49 1.1 ( 0.5) 44 1.0 ( 0.7)

RBM2 Myeloperoxidase (MPO) (ng/mL) 43 170.8 ( 175.5) 39 163.8 ( 185.4)

RBM2 Myoglobin (ng/mL) 48 79.3 ( 57.3) 43 77.3 ( 46.7)

RBM2 N-terminal prohormone of brain natriuretic peptide (NT 49 2 538.2 (2791.3) 44 2 643.0 (3980.4)

proBNP) (pg/mL)

RBM2 Neuronal Cell Adhesion Molecule (Nr-CAM) (ng/mL) 49 1.0 ( 1.1) 44 0.9 ( 0.3)

RBM2 Neutrophil Gelatinase-Associated Lipocalin (NGAL) (ng/mL) 49 263.8 ( 146.9) 43 227.4 ( 131.0)

Placebo Doxycycline

Variable -------------------- --------------------

Category Variable (unit) n mean (std) n mean (std)

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RBM2 Pancreatic Polypeptide (PPP) (pg/mL) 49 388.2 ( 400.2) 44 359.8 ( 287.5)

RBM2 Peptide YY (PYY) (pg/mL) 45 151.3 ( 137.2) 41 128.6 ( 127.9)

RBM2 Placenta Growth Factor (PLGF) (pg/mL) 45 32.2 ( 11.8) 42 28.6 ( 10.7)

RBM2 Plasminogen Activator Inhibitor 1 (PAI-1) (ng/mL) 48 25.9 ( 21.4) 43 32.7 ( 29.6)

RBM2 Platelet-Derived Growth Factor BB (PDGF-BB) (pg/mL) 20 152.0 ( 315.2) 22 314.2 ( 835.7)

RBM2 Pregnancy-Associated Plasma Protein A (PAPP-A) (mIU/mL) 48 0.0 ( 0.0) 44 0.0 ( 0.0)

RBM2 Progesterone (ng/mL) 48 9.7 ( 2.5) 44 9.1 ( 2.2)

RBM2 Proinsulin, Intact (pM) 37 16.1 ( 19.3) 35 14.1 ( 14.3)

RBM2 Proinsulin, Total (pM) 48 54.2 ( 66.5) 42 55.4 ( 56.6)

RBM2 Prolactin (PRL) (ng/mL) 49 8.2 ( 5.6) 44 7.9 ( 3.9)

RBM2 Prostate-Specific Antigen, Free (PSA-f) (ng/mL) 46 0.4 ( 0.3) 40 0.3 ( 0.3)

RBM2 Prostatic Acid Phosphatase (PAP) (ng/mL) 49 1.3 ( 0.9) 44 1.2 ( 0.6)

RBM2 Pulmonary and Activation-Regulated Chemokine (PARC) (ng/mL) 46 85.9 ( 38.5) 44 74.9 ( 45.5)

RBM2 Receptor for advanced glycosylation end products (RAGE) 49 3.1 ( 2.0) 44 3.4 ( 3.1)

(ng/mL)

RBM2 Resistin (ng/mL) 49 3.1 ( 1.7) 44 2.9 ( 1.1)

RBM2 S100 calcium-binding protein B (S100-B) (ng/mL) 7 0.3 ( 0.1) 2 0.2 ( 0.1)

RBM2 Secretin (ng/mL) 9 5.3 ( 4.3) 3 9.0 ( 5.9)

RBM2 Serotransferrin (Transferrin) (mg/dl) 49 288.7 ( 80.3) 44 285.8 ( 99.3)

RBM2 Serum Amyloid P-Component (SAP) (ug/mL) 49 18.9 ( 6.9) 44 19.3 ( 5.9)

RBM2 Serum Glutamic Oxaloacetic Transaminase (SGOT) (ug/mL) 49 12.9 ( 2.4) 44 11.7 ( 2.8)

RBM2 Sex Hormone-Binding Globulin (SHBG) (nmol/L) 49 48.7 ( 18.3) 44 46.8 ( 28.1)

RBM2 Sortilin (ng/mL) 49 4.5 ( 1.2) 44 4.7 ( 1.5)

RBM2 Stem Cell Factor (SCF) (pg/mL) 49 229.9 ( 100.1) 43 208.5 ( 74.7)

RBM2 Superoxide Dismutase 1, soluble (SOD-1) 49 24.7 ( 6.3) 44 23.3 ( 6.4)

RBM2 T Lymphocyte-Secreted Protein I-309 (I-309) (pg/mL) 37 575.1 (2327.5) 37 272.4 ( 613.8)

RBM2 T-Cell-Specific Protein RANTES (RANTES) (ng/mL) 47 1.1 ( 1.4) 42 3.9 ( 13.4)

RBM2 TNF-Related Apoptosis-Inducing Ligand Receptor 3 (TRAIL-R3) 49 15.8 ( 6.2) 44 15.4 ( 8.0)

(ng/mL)

RBM2 Tamm-Horsfall Urinary Glycoprotein (THP) (ug/mL) 49 0.0 ( 0.0) 44 0.0 ( 0.0)

RBM2 Tenascin-C (TN-C) (ng/mL) 49 511.0 ( 340.7) 44 441.8 ( 177.4)

RBM2 Testosterone, Total (ng/mL) 48 3.7 ( 1.0) 44 3.5 ( 1.0)

RBM2 Thrombomodulin (TM) (ng/mL) 49 5.7 ( 1.6) 44 5.4 ( 1.6)

RBM2 Thrombopoietin (TPO) (ng/mL) 47 1.0 ( 0.4) 43 1.0 ( 0.4)

RBM2 Thrombospondin-1 (ng/mL) 42 187.1 ( 196.2) 37 401.7 ( 752.8)

RBM2 Thyroid-Stimulating Hormone (TSH) (uIU/mL) 49 1.6 ( 0.7) 44 1.8 ( 0.8)

RBM2 Thyroxine-Binding Globulin (TBG) (ug/mL) 49 41.7 ( 13.4) 44 41.4 ( 11.9)

RBM2 Tissue Factor (TF) (ng/mL) 15 1.2 ( 0.6) 10 1.3 ( 1.1)

RBM2 Tissue Inhibitor of Metalloproteinases 1 (TIMP-1) (ng/mL) 48 88.0 ( 28.2) 43 87.3 ( 28.7)

RBM2 Transforming Growth Factor beta-3 (TGF-beta-3) (pg/mL) 5 118.4 ( 151.7) 3 20.7 ( 2.9)

Placebo Doxycycline

Variable -------------------- --------------------

Category Variable (unit) n mean (std) n mean (std)

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RBM2 Transthyretin (TTR) (mg/dl) 49 29.4 ( 9.1) 44 28.9 ( 12.4)

RBM2 Trefoil Factor 3 (TFF3) (ug/mL) 49 0.2 ( 0.1) 44 0.2 ( 0.1)

RBM2 Tumor Necrosis Factor alpha (TNF-alpha) (pg/mL) 49 36.9 ( 31.9) 44 32.9 ( 40.0)

RBM2 Tumor Necrosis Factor beta (TNF-beta) (pg/mL) 24 8.7 ( 6.6) 20 8.1 ( 5.7)

RBM2 Tumor necrosis factor receptor 2 (TNFR2) 48 7.6 ( 3.9) 43 6.8 ( 2.9)

RBM2 Vascular Cell Adhesion Molecule-1 (VCAM-1) (ng/mL) 48 650.6 ( 249.1) 43 658.2 ( 238.2)

RBM2 Vascular Endothelial Growth Factor (VEGF) (pg/mL) 49 730.9 ( 195.4) 44 697.4 ( 236.0)

RBM2 Vitamin K-Dependent Protein S (VKDPS) (ug/mL) 49 17.0 ( 6.6) 44 18.3 ( 5.8)

RBM2 Vitronectin (ug/mL) 49 855.8 ( 158.1) 44 877.7 ( 165.5)

RBM2 von Willebrand Factor (vWF) (ug/mL) 49 80.5 ( 35.4) 44 78.6 ( 51.9)