

Supplementary Materials

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Supplementary Information S1. The Full List of Cytokines and Cytokine-Related Proteins for the Proteome Profiler Mouse XL Cytokine Array

Adiponectin, Amphiregulin, Angiopoietin-1, Angiopoietin-2, Angiopoietin-like 3, B-cell activating factor (BAFF), Complement component C1q receptor (CD93), C-C motif chemokine ligand 2 (CCL2), CCL3/CCL4, CCL5, CCL6, CCL11, CCL12, CCL17, CCL19, CCL20, CCL21, CCL22, Monocyte differentiation antigen CD14, Tumor necrosis factor receptor superfamily member 5 (TNFRSF5), CD160, Chemerin, Chitinase 3-like 1, Coagulation Factor III, Complement Component C5, Complement Factor D, C-Reactive Protein (CRP), C-X3-C motif chemokine ligand 1 (CX3CL1), C-X-C motif chemokine ligand 1 (CXCL1), CXCL2, CXCL5, CXCL9, CXCL10, CXCL11, CXCL13, CXCL16, Cystatin C, Dickkopf-related protein 1, Dipeptidyl peptidase-4 (CD26), Epidermal growth factor (EGF), Endoglin, Endostatin, Fetuin A, Fibroblast growth factor 1 (FGF-1), FGF-21, Fms-related tyrosine kinase 3 ligand (Flt-3 Ligand), Growth arrest-specific protein 6 (Gas6), Granulocyte colony-stimulating factor (G-CSF), Growth differentiation factor 15 (GDF-15), Granulocyte-macrophage (GM)-CSF, Hepatocyte growth factor (HGF), Intercellular adhesion molecule 1 (ICAM-1), Interferon-gamma (IFN- γ), Insulin-like growth factor-binding protein 1 (IGFBP-1), IGFBP-2, IGFBP-3, IGFBP-5, IGFBP-6, Interleukin-1 alpha (IL-1 α), IL-1 β , IL-1 receptor antagonist (IL-1ra), IL-2, IL-3, IL-4, IL-5, IL-6, IL-7, IL-10, IL-11, IL-12, IL-13, IL-15, IL-17A, IL-22, IL-23, IL-27, IL-28, IL-33, Low-density lipoprotein receptor (LDLR), Leptin, Leukemia inhibitory factor (LIF), Lipocalin-2, Macrophage (M)-CSF, matrix metalloproteinase 2 (MMP-2), MMP-3, MMP-9, Myeloperoxidase, Osteopontin, Osteoprotegerin, Platelet-derived endothelial cell growth factor (PD-ECGF), Platelet-derived growth factor-BB (PDGF-BB), Pentraxin 2, Pentraxin 3, Periostin, Preadipocyte factor 1 (Pref-1), Proliferin, Proprotein convertase 9, Receptor for advanced glycation endproducts (RAGE), Retinol binding protein 4 (RBP4), Regenerating islet-derived protein 3-gamma (Reg3G), Resistin, E-Selectin, P-Selectin, Plasminogen activator inhibitor-1 (PAI-1), Serpin F1, Thrombopoietin, T-cell immunoglobulin and mucin domain 1 (TIM-1), TNF- α , Vascular cell adhesion molecule-1 (VCAM-1), Vascular endothelial growth factor (VEGF), Wnt1-inducible signaling pathway protein 1 (WISP-1).

Supplementary Information S2. Gene Annotations for PCR Array

ABL1: C-abl oncogene 1, non-receptor tyrosine kinase, ATM: Ataxia telangiectasia mutated homolog (human), ATR: Ataxia telangiectasia and rad3 related, AURKA: Aurora kinase A, AURKB: Aurora kinase B, BCL2: B-cell leukemia/lymphoma 2, BIRC5: Baculoviral IAP repeat-containing 5, BRCA1: Breast cancer 1, BRCA2: Breast cancer 2, CASP3: Caspase 3, CCNA1: Cyclin A1, CCNA2: Cyclin A2, CCNB1: Cyclin B1, CCNB2: Cyclin B2, CCNC: Cyclin C, CCND1: Cyclin D1, CCND2: Cyclin D2, CCND3: Cyclin D3, CCNE1: Cyclin E1, CCNF: Cyclin F, CDC20: Cell division cycle 20 homolog (S. cerevisiae), CDC25A: Cell division cycle 25 homolog A (S. pombe), CDC25C: Cell division cycle 25 homolog C (S. pombe), CDC6: Cell division cycle 6 homolog (S. cerevisiae), CDC7: Cell division cycle 7 (S. cerevisiae), CDK1: Cyclin-dependent kinase 1, CDK2: Cyclin-dependent kinase 2, CDK4: Cyclin-dependent kinase 4, CDK5RAP1: CDK5 regulatory subunit associated protein 1, CDK6: Cyclin-dependent kinase 6, CDKN1A: Cyclin-dependent kinase inhibitor 1A (P21), CDKN1B: Cyclin-dependent kinase inhibitor 1B, CDKN2A: Cyclin-dependent kinase inhibitor 2A, CDKN2B: Cyclin-dependent kinase inhibitor 2B (p15, inhibits CDK4), CDKN3: Cyclin-dependent kinase inhibitor 3, CHEK1:



Checkpoint kinase 1 homolog (*S. pombe*), CHEK2: CHK2 checkpoint homolog (*S. pombe*), CKS1B: CDC28 protein kinase 1b, DDIT3: DNA-damage inducible transcript 3, DST: Dystonin, E2F1: E2F transcription factor 1, E2F2: E2F transcription factor 2, E2F3: E2F transcription factor 3, E2F4: E2F transcription factor 4, GADD45A: Growth arrest and DNA-damage-inducible 45 alpha, GPR132: G protein-coupled receptor 132, HUS1: Hus1 homolog (*S. pombe*), ITGB1: Integrin beta 1 (fibronectin receptor beta), MAD2L1: MAD2 mitotic arrest deficient-like 1 (yeast), MCM2: Minichromosome maintenance deficient 2 mitotin (*S. cerevisiae*), MCM3: Minichromosome maintenance deficient 3 (*S. cerevisiae*), MCM4: Minichromosome maintenance deficient 4 homolog (*S. cerevisiae*), MDM2: Transformed mouse 3T3 cell double minute 2, MKI67: Antigen identified by monoclonal antibody Ki 67, MRE11A: Meiotic recombination 11 homolog A (*S. cerevisiae*), MSH2: MutS homolog 2 (*E. coli*), MYB: Myeloblastosis oncogene, NBN: Nibrin, NEK2: NIMA (never in mitosis gene a)-related expressed kinase 2, NOTCH2: Notch gene homolog 2 (*Drosophila*), PKD1: Polycystic kidney disease 1 homolog, PMP22: Peripheral myelin protein 22, PPM1D: Protein phosphatase 1D magnesium-dependent, delta isoform, RAD17: RAD17 homolog (*S. pombe*), Rad21: RAD21 homolog (*S. pombe*), RAD51: RAD51 homolog (*S. cerevisiae*), RAD9A: RAD9 homolog (*S. pombe*), RAN: RAN, member RAS oncogene family, RB1: Retinoblastoma 1, Rbl1: Retinoblastoma-like 1 (p107), RBL2: Retinoblastoma-like 2, SFN: Stratifin, SHC1: Src homology 2 domain-containing transforming protein C1, SKP2: S-phase kinase-associated protein 2 (p45), SLFN1: Schlafen 1, Smc1a: Structural maintenance of chromosomes 1A, STAG1: Stromal antigen 1, STMN1: Stathmin 1, TERF1: Telomeric repeat binding factor 1, TFDP1: Transcription factor Dp 1, TRP53: Transformation related protein 53, TRP63: Transformation related protein 63, TSG101: Tumor susceptibility gene 101, WEE1: WEE 1 homolog 1 (*S. pombe*).