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| **Supplementary Table S2. Percentage of samples classified as out of range low according to the Bioplex Manager software** |
| **Analyte** | **Cases** | **Controls** | **Total** |  | **Analyte** | **Cases** | **Controls** | **Total** |
| 6Ckine  | 0.00 | 0.00 | 0.00 |  | Kallikrein 10  | 0.00 | 0.00 | 0.00 |
| α1-Antitrypsin  | 0.00 | 0.00 | 0.00 |  | Keratin-1,-10,-11  | 59.57 | 89.58 | 74.74 |
| α-2-Macroglobulin  | 0.00 | 0.00 | 0.00 |  | Keratin-6  | 87.23 | 93.75 | 90.53 |
| ACTH  | 57.45 | 60.42 | 58.95 |  | Leptin  | 48.94 | 47.92 | 48.42 |
| Adiponectin  | 0.00 | 0.00 | 0.00 |  | LH  | 0.00 | 0.00 | 0.00 |
| AFP  | 0.00 | 0.00 | 0.00 |  | LIF  | 10.64 | 4.17 | 7.37 |
| Angiostatin  | 0.00 | 0.00 | 0.00 |  | LPS  | 42.55 | 41.67 | 42.11 |
| Haptoglobin  | 0.00 | 0.00 | 0.00 |  | MCP-1  | 0.00 | 0.00 | 0.00 |
| Apo A1  | 0.00 | 0.00 | 0.00 |  | MCP-2  | 0.00 | 2.08 | 1.05 |
| Apo CIII  | 0.00 | 0.00 | 0.00 |  | MCP-3  | 19.15 | 31.25 | 25.26 |
| Apo E  | 0.00 | 0.00 | 0.00 |  | MCP-4  | 0.00 | 0.00 | 0.00 |
| b-NGF  | 0.00 | 0.00 | 0.00 |  | M-CSF  | 12.77 | 39.58 | 26.32 |
| CA 15-3  | 4.26 | 4.17 | 4.21 |  | MDC  | 0.00 | 0.00 | 0.00 |
| CA 19-9  | 31.91 | 35.42 | 33.68 |  | Mesothelin  | 0.00 | 0.00 | 0.00 |
| CA 72-4  | 4.26 | 0.00 | 2.11 |  | MICA  | 70.21 | 87.50 | 78.95 |
| CA-125  | 0.00 | 0.00 | 0.00 |  | MIF  | 0.00 | 2.08 | 1.05 |
| CCL14a/HCC-1  | 0.00 | 0.00 | 0.00 |  | MIP-1α  | 0.00 | 0.00 | 0.00 |
| CCL19/MIP3β  | 0.00 | 0.00 | 0.00 |  | MIP-1β | 0.00 | 0.00 | 0.00 |
| CCL20/MIP3α  | 0.00 | 0.00 | 0.00 |  | MIP-1δ | 0.00 | 0.00 | 0.00 |
| CEA  | 87.23 | 91.67 | 89.47 |  | MIP-4  | 0.00 | 0.00 | 0.00 |
| CFH  | 0.00 | 0.00 | 0.00 |  | MMP-1 | 0.00 | 0.00 | 0.00 |
| Complement C3  | 0.00 | 0.00 | 0.00 |  | MMP-12  | 95.74 | 97.92 | 96.84 |
| Complement C4  | 0.00 | 0.00 | 0.00 |  | MMP-13  | 100.00 | 100.00 | 100.00 |
| Cortisol  | 0.00 | 0.00 | 0.00 |  | MMP-2  | 0.00 | 0.00 | 0.00 |
| CTACK  | 0.00 | 0.00 | 0.00 |  | MMP-3  | 0.00 | 0.00 | 0.00 |
| CXCL11/I-TAC  | 0.00 | 0.00 | 0.00 |  | MMP-7  | 0.00 | 0.00 | 0.00 |
| CXCL6/ GCP2  | 0.00 | 0.00 | 0.00 |  | MMP-8  | 0.00 | 0.00 | 0.00 |
| CXCL7/NAP2  | 0.00 | 0.00 | 0.00 |  | MMP-9  | 0.00 | 0.00 | 0.00 |
| Cyfra 21-1  | 80.85 | 91.67 | 86.32 |  | MPO  | 0.00 | 2.08 | 1.05 |
| DR5  | 36.17 | 35.42 | 35.79 |  | OC | 0.00 | 0.00 | 0.00 |
| EGF  | 0.00 | 2.08 | 1.05 |  | OPG | 0.00 | 0.00 | 0.00 |
| EGFR  | 0.00 | 0.00 | 0.00 |  | OPN | 21.28 | 16.67 | 18.95 |
| ENA-78  | 0.00 | 0.00 | 0.00 |  | aPAI-1  | 8.51 | 8.33 | 8.42 |
| Endostatin  | 0.00 | 0.00 | 0.00 |  | PDGF-BB | 0.00 | 0.00 | 0.00 |
| EOTAXIN  | 0.00 | 0.00 | 0.00 |  | PEDF  | 0.00 | 0.00 | 0.00 |
| Eotaxin-2  | 0.00 | 0.00 | 0.00 |  | PROLACTIN  | 0.00 | 0.00 | 0.00 |
| Eotaxin-3 | 38.30 | 43.75 | 41.05 |  | PSA  | 85.11 | 95.83 | 90.53 |
| EPCAM  | 87.23 | 91.67 | 89.47 |  | PTH  | 2.13 | 0.00 | 1.05 |
| ErbB2  | 0.00 | 0.00 | 0.00 |  | RANKL  | 55.32 | 58.33 | 56.84 |
| FGF-b  | 14.89 | 22.92 | 18.95 |  | RANTES  | 0.00 | 0.00 | 0.00 |
| Fibrinogen  | 0.00 | 0.00 | 0.00 |  | Resistin  | 0.00 | 0.00 | 0.00 |
| Fibronectin  | 19.15 | 10.42 | 14.74 |  | SAA  | 2.13 | 0.00 | 1.05 |
| Flt-3 Ligand  | 25.53 | 25.00 | 25.26 |  | SAP  | 0.00 | 0.00 | 0.00 |
| Fractalkine  | 38.30 | 50.00 | 44.21 |  | SCC  | 0.00 | 0.00 | 0.00 |
| FSH  | 0.00 | 0.00 | 0.00 |  | sCD40L  | 0.00 | 0.00 | 0.00 |
| G-CSF  | 55.32 | 62.50 | 58.95 |  | SCF  | 34.04 | 20.83 | 27.37 |
| GH  | 0.00 | 0.00 | 0.00 |  | SCGF-B  | 0.00 | 0.00 | 0.00 |
| GM-CSF  | 78.72 | 83.33 | 81.05 |  | SDF-1a+B  | 0.00 | 0.00 | 0.00 |
| GROa  | 70.21 | 89.58 | 80.00 |  | sE-Selectin  | 0.00 | 2.08 | 1.05 |
| HE4  | 0.00 | 0.00 | 0.00 |  | sFas  | 0.00 | 0.00 | 0.00 |
| HGF  | 0.00 | 0.00 | 0.00 |  | sFasL  | 4.26 | 2.08 | 3.16 |
| HSA  | 0.00 | 0.00 | 0.00 |  | sICAM-1  | 0.00 | 0.00 | 0.00 |
| HSP 70  | 72.34 | 81.25 | 76.84 |  | sIL-1R1  | 0.00 | 0.00 | 0.00 |
| I-309  | 10.64 | 14.58 | 12.63 |  | sIL-1RII  | 0.00 | 2.08 | 1.05 |
| IFN-α  | 44.68 | 77.08 | 61.05 |  | sIL-4R  | 0.00 | 0.00 | 0.00 |
| IGFBP-1  | 0.00 | 0.00 | 0.00 |  | sIL-6R  | 0.00 | 0.00 | 0.00 |
| IGFBP-2  | 6.38 | 2.08 | 4.21 |  | sRAGE  | 4.26 | 2.08 | 3.16 |
| IGFBP-3  | 0.00 | 0.00 | 0.00 |  | sTNFRI  | 0.00 | 0.00 | 0.00 |
| IGFBP-4  | 12.77 | 8.33 | 10.53 |  | sTNFRII  | 0.00 | 0.00 | 0.00 |
| IGFBP-5  | 10.64 | 16.67 | 13.68 |  | sVCAM-1  | 0.00 | 0.00 | 0.00 |
| IGFBP-6  | 0.00 | 0.00 | 0.00 |  | sVEGFR2 | 0.00 | 0.00 | 0.00 |
| IGFBP-7  | 0.00 | 0.00 | 0.00 |  | sVEGFR3  | 27.66 | 25.00 | 26.32 |
| IL-11  | 0.00 | 0.00 | 0.00 |  | TARC  | 0.00 | 0.00 | 0.00 |
| IL-12p70 | 34.04 | 43.75 | 38.95 |  | Tg II  | 6.38 | 6.25 | 6.32 |
| IL-12p40  | 2.13 | 0.00 | 1.05 |  | TGFα | 46.81 | 54.17 | 50.53 |
| IL-15  | 10.64 | 16.67 | 13.68 |  | TSP | 0.00 | 0.00 | 0.00 |
| IL-16  | 0.00 | 0.00 | 0.00 |  | TIMP-1  | 0.00 | 0.00 | 0.00 |
| IL-17  | 97.87 | 100.00 | 98.95 |  | TIMP-2  | 0.00 | 0.00 | 0.00 |
| IL-1α  | 48.94 | 70.83 | 60.00 |  | TIMP-3  | 23.40 | 20.83 | 22.11 |
| IL-1β  | 21.28 | 33.33 | 27.37 |  | TIMP-4  | 0.00 | 0.00 | 0.00 |
| IL-20  | 44.68 | 54.17 | 49.47 |  | TNFα  | 91.49 | 91.67 | 91.58 |
| IL-28A  | 57.45 | 77.08 | 67.37 |  | TNFβ  | 85.11 | 85.42 | 85.26 |
| IL-29/IFNγ  | 0.00 | 0.00 | 0.00 |  | tPAI-1  | 0.00 | 0.00 | 0.00 |
| IL-3  | 80.85 | 91.67 | 86.32 |  | TPO  | 0.00 | 0.00 | 0.00 |
| IL-33  | 48.94 | 66.67 | 57.89 |  | TRAIL  | 2.13 | 2.08 | 2.11 |
| IL-5  | 93.62 | 100.00 | 96.84 |  | TSH  | 0.00 | 0.00 | 0.00 |
| IL-7  | 36.17 | 62.50 | 49.47 |  | TSLP  | 29.79 | 45.83 | 37.89 |
| IL-8  | 0.00 | 0.00 | 0.00 |  | TTR  | 0.00 | 0.00 | 0.00 |
| Insulin  | 19.15 | 25.00 | 22.11 |  | VEGF  | 57.45 | 75.00 | 66.32 |
| Involucrin  | 0.00 | 0.00 | 0.00 |  | XCL1/Lymphotactin  | 14.89 | 2.08 | 8.42 |
| IP-10  | 0.00 | 0.00 | 0.00 |  |  |  |  |  |