

Table S3

A

Antigen:		Apo A1 (Apolipoprotein A1)	Beta-2 Microglobulin	Calbindin	CD40	CD40 Ligand	Clusterin	CRP (C Reactive Protein)	Cystatin-C	EGF (Epidermal Growth Factor)	Endothelin-1	Eotaxin	Factor VII
Least Detectable Dose:		ug/mL 10	ug/mL 0.89	ng/mL 0.043	pg/mL 12	pg/mL 92	ug/mL 0.55	ug/mL 0.83	ng/mL <9.9	pg/mL 39	pg/mL 67	pg/mL 12	ng/mL 0.96
Samples:	Mutant	45	<LOW>	104	668	713	125	1.3	2000	16	35	831	0.97
(Average Value)	Wild Type	50	<LOW>	40	542	639	76	1.5	1250	13	30	774	0.81

Antigen:		FGF-9 (Fibroblast Growth Factor-9)	FGF-basic (Fibroblast Growth Factor-basic)	Fibrinogen	GCP-2 (Granulocyte Chemotactic Protein-2)	GM-CSF (Granulocyte Macrophage-Colony Stimulating Factor)	Growth Hormone	GST-alpha (Glutathione S-Transferase alpha)	GST-Mu	Haptoglobin	IFN-gamma (Interferon-gamma)	IgA (Immunoglobulin A)	IL-10 (Interleukin-10)
Least Detectable Dose:		ng/mL 0.99	ng/mL 0.58	ug/mL 170	ng/mL 0.025	pg/mL 8.7	ng/mL 4.2	ng/mL 0.42	ng/mL 3.0	ug/mL 0.64	pg/mL 68	ug/mL 1.9	pg/mL 109
Samples:	Mutant	<LOW>	2.7	224	28	<LOW>	25	<LOW>	<LOW>	93	<LOW>	6.7	432
(Average Value)	Wild Type	<LOW>	1.9	60	21	<LOW>	36	<LOW>	<LOW>	26	<LOW>	6.7	412

Antigen:		IL-11 (Interleukin-11)	IL-12p70 (Interleukin-12p70)	IL-17 (Interleukin-17)	IL-18 (Interleukin-18)	IL-1alpha (Interleukin-1alpha)	IL-1beta (Interleukin-1beta)	IL-2 (Interleukin-2)	IL-3 (Interleukin-3)	IL-4 (Interleukin-4)	IL-5 (Interleukin-5)	IL-6 (Interleukin-6)	IL-7 (Interleukin-7)
Least Detectable Dose:		pg/mL 87	ng/mL 0.57	ng/mL 0.15	ng/mL 0.67	pg/mL 45	ng/mL 0.45	pg/mL 67	pg/mL 21	pg/mL 74	ng/mL 0.19	pg/mL 14	ng/mL 0.03
Samples:	Mutant	<LOW>	<LOW>	<LOW>	1.5	7400	1.8	<LOW>	<LOW>	<LOW>	0.69	<LOW>	<LOW>
(Average Value)	Wild Type	<LOW>	<LOW>	<LOW>	1.1	1620	1.5	<LOW>	<LOW>	<LOW>	0.43	<LOW>	<LOW>

Antigen:		Insulin	IP-10 (Inducible Protein-10)	KC/GROalpha (Melanoma Growth Stimulatory Activity Protein)	Leptin	LIF (Leukemia Inhibitory Factor)	Lymphotoctin	MCP-1 (Monocyte Chemoattractant Protein-1)	MCP-3 (Monocyte Chemoattractant Protein-3)	MCP-5 (Monocyte Chemoattractant Protein-5)	M-CSF (Macrophage-Colony Stimulating Factor)	MDC (Macrophage-Derived Chemokine)	MIP-1alpha (Macrophage Inflammatory Protein-1alpha)
Least Detectable Dose:		uIU/mL 1.0	pg/mL 40	ng/mL 0.17	ng/mL 0.096	pg/mL 44	pg/mL 85	pg/mL 17	pg/mL 31	pg/mL 46	ng/mL 0.018	pg/mL 22	ng/mL 0.23
Samples:	Mutant	1.4	95	<LOW>	1.1	358	239	591	1740	151	6.8	2020	0.74
(Average Value)	Wild Type	1.0	123	<LOW>	3.8	252	163	166	371	31	8.1	735	0.32

Antigen:		MIP-1beta (Macrophage Inflammatory Protein-1beta)	MIP-1gamma (Macrophage Inflammatory Protein-1gamma)	MIP-2 (Macrophage Inflammatory Protein-2)	MIP-3beta (Macrophage Inflammatory Protein-3beta)	MMP-9 (Matrix Metalloproteinase-9)	MPO (Myeloperoxidase)	Myoglobin	NGAL	OSM (Oncostatin M)	Osteopontin	RANTES (Regulation Upon Activation, Normal T-Cell Expressed and Secreted)	SAP (Serum Amyloid P)
Least Detectable Dose:		pg/mL 78	ng/mL 0.074	pg/mL 7.2	ng/mL 0.47	ng/mL 10	ng/mL 0.95	ng/mL 24	ng/mL 5.8	ng/mL 0.13	ng/mL <4.0	pg/mL 48	ug/mL 5.4
Samples:	Mutant	90	26	26	<LOW>	624	185	35	<LOW>	0.097	720	<LOW>	16
(Average Value)	Wild Type	56	11	26	<LOW>	153	58	16	<LOW>	0.026	498	<LOW>	18

Antigen:		SCF (Stem Cell Factor)	SGOT (Serum Glutamic-Oxaloacetic Transaminase)	TIMP-1 (Tissue Inhibitor of Metalloproteinase Type-1)	Tissue Factor	TNF-alpha (Tumor Necrosis Factor-alpha)	TPO (Thrombopoietin)	VCAM-1 (Vascular Cell Adhesion Molecule-1)	VEGF (Vascular Endothelial Cell Growth Factor)	vWF (von Willebrand Factor)	TSLP (thymic stromal lymphopoietin)
Least Detectable Dose:		pg/mL 75	ug/mL 1.9	ng/mL 0.18	ng/mL 0.52	ng/mL 0.14	ng/mL 2.7	ng/mL 19	pg/mL 38	ng/mL 99	pg/mL 10
Samples:	Mutant	295	<LOW>	14	2.5	0.055	15	2490	428	131	52000
(Average Value)	Wild Type	218	<LOW>	4.3	2.9	0.037	15	1800	290	141	<LOW>

B

Autoimmune Serology:		Beta-2 Glycoprotein Antibody	Insulin Antibody	Jo-1 (histidyl-RNA synthetase) Antibody	Mitochondrial Antibody	MPO (Myeloperoxidase) Antibody	pCNA (Proliferating Cell Nuclear Antigen) Antibody	Proteinase 3 Antibody	Ribosomal P Antibody	RNP (Ribonuclear Protein) Antibody	SCL-70 (Scleroderma-70) Antibody	Smith Antibody	SSA (Sjogren's Syndrome A) Antibody	SSB (Sjogren's Syndrome B) Antibody
RBM Mouse Cutoff:		RBM Ratio 7	RBM Ratio 2.60	RBM Ratio 1.100	RBM Ratio 4	RBM Ratio 4	RBM Ratio 2.20	RBM Ratio 2.50	RBM Ratio 2.20	RBM Ratio 6	RBM Ratio 6	RBM Ratio 2	RBM Ratio 0.77	RBM Ratio 2.30
Samples:	Mutant	2	0.96	1	0	0	1	1.0	1	2	2	1	0.00	0.85
(Average value)	Wild Type	1	0.77	0	1	0	1	0.9	0	1	1	1	-1.25	0.85