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This document contain all the detailed tables for women only

1 Tables

1.1 Biomarkers differences for each specific disease

1.1.1 Summary results for men and women

1.1.2 Detailed tables

1.2 Biomarkers differences for each specific medicine

1.2.1 Summary results for men and women

1.2.2 Detailed tables

Protein	Pruritus, unspecified	Alopecia areata, unspecified	Asthma	Rhinitis	Dysidrosis	Psoriasis	Migraine, unspecified	Eczema	Depression	Food allergy	ADHD	Dorsalgia, unspecified	Anxiety	Epilepsy, unspecified, not intractable, without status epilepticus	Tension headache (TTH)	Scoliosis	Insomnia
Adenosine Deaminase	**	*	**														
Artemin												****					****
Axin-1																	
Brain-derived neurotrophic factor																	
Beta-nerve growth factor																	
Caspase-8																	
Eotaxin																	
C-C motif chemokine 19																	
C-C motif chemokine 20																	
C-C motif chemokine 23																	
C-C motif chemokine 25																	
C-C motif chemokine 28	****	**			*	*											
C-C motif chemokine 3																	
C-C motif chemokine 4																	
Natural killer cell receptor 2B4																	
CD40L receptor																	
T-cell surface glycoprotein CD5																	
T cell surface glycoprotein CD6 isoform														*			
CUB domain-containing protein 1																	
Macrophage colony-stimulating factor 1																	
Cystatin D																	
Fractalkine																	****
C-X-C motif chemokine 1																	
C-X-C motif chemokine 10																	
C-X-C motif chemokine 11																	
C-X-C motif chemokine 5																	
C-X-C motif chemokine 6																	
C-X-C motif chemokine 9																	
Delta and Notch-like epidermal growth factor-related receptor																	
Eukaryotic translation initiation factor 4E-binding protein 1																	
Protein S100-A12																	
Fibroblast growth factor 19																	
Fibroblast growth factor 21																	
Fibroblast growth factor 23																	
Fibroblast growth factor 5					*												
Fms-related tyrosine kinase 3 ligand																	
Glial cell line-derived neurotrophic factor																	
Hepatocyte growth factor																	
Interferon gamma							****	****	****	****	****	****	****	****	****	****	****
Interleukin-10																	
Interleukin-10 receptor subunit alpha																	
Interleukin-10 receptor subunit beta																	
Interleukin-12 subunit beta																	
Interleukin-13						****		****				****		****		****	
Interleukin-15 receptor subunit alpha																	
Interleukin-17A																	
Interleukin-17C																	
Interleukin-18																	
Interleukin-18 receptor 1																	
Interleukin-1 alpha														****		****	
Interleukin-2		****	****	****		****	****	****	****	****	****	****	****	****	****	****	****
Interleukin-20														****		****	
Interleukin-20 receptor subunit alpha									*						*		*
Interleukin-22 receptor subunit alpha-1	****	****	****			****	****	****	****	****	****	****	****	****	****	****	****
Interleukin-24									****	****	****	****	****	****	****	****	****
Interleukin-2 receptor subunit beta									****	****	****	****	****	****	****	****	****
Interleukin-33						****			****	****	****	****	****	****	****	****	****
Interleukin-4																	
Interleukin-5												*	****	****			****
Interleukin-6																	
Interleukin-7																	
Interleukin-8																	
Leukemia inhibitory factor													****	****	****		****
Leukemia inhibitory factor receptor																	
Monocyte chemotactic protein 1																	
Monocyte chemotactic protein 2																	
Monocyte chemotactic protein 3																	
Monocyte chemotactic protein 4																	
Matrix metalloproteinase-1																	
Matrix metalloproteinase-10																	
Neurturin															****	****	****
Neurotrophin-3																	
Osteoprotegerin																	
Oncostatin-M																	
Programmed cell death 1 ligand 1						*											
Stem cell factor																	
SIR2-like protein 2																	
Signaling lymphocytic activation molecule																	
Sulfotransferase 1A1																	
STAM-binding protein																	
Transforming growth factor alpha																	
Latency-associated peptide transforming growth factor beta-1																	
Tumor necrosis factor														****			
TNF-beta																	
Tumor necrosis factor receptor superfamily member 9																	
Tumor necrosis factor ligand superfamily member 14																	
TNF-related apoptosis-inducing ligand																	
TNF-related activation-induced cytokine															***	***	
Thymic stromal lymphopoietin										****	****	****		****	****	****	****
Tumor necrosis factor																	
Urokinase-type plasminogen activator																	
Vascular endothelial growth factor A																	

Table 1: Significant biomarkers for diseases and women, adjusted for Bonferroni

Protein	No correction	Benjamini	Bonferroni	Avg Disease	Avg Healthy	Image
Adenosine Deaminase	****	**	**	4.88	4.72	NA
Artemin				0.06	0.09	NA
Axin-1				1.16	1.09	NA
Brain-derived neurotrophic factor				4.52	3.88	NA
Beta-nerve growth factor				1.89	1.91	NA
Caspase-8				1.45	1.4	NA
Eotaxin				7.78	7.77	NA
C-C motif chemokine 19				9.36	9.41	NA
C-C motif chemokine 20				6.08	6.05	NA
C-C motif chemokine 23				9.41	9.35	NA
C-C motif chemokine 25				6.01	6.05	NA
C-C motif chemokine 28	****	****	****	1	1.33	NA
C-C motif chemokine 3				2.2	2.16	NA
C-C motif chemokine 4				6.5	6.42	NA
Natural killer cell receptor 2B4				6.33	6.31	NA
CD40L receptor				9.24	9.18	NA
T-cell surface glycoprotein CD5				4	4	NA
T cell surface glycoprotein CD6 isoform				3.65	3.58	NA
CUB domain-containing protein 1				2.44	2.38	NA
Macrophage colony-stimulating factor 1				7.88	7.9	NA
Cystatin D				6.82	6.76	NA
Fractalkine				6.52	6.5	NA
C-X-C motif chemokine 1	*			8.78	8.89	NA
C-X-C motif chemokine 10				9.56	9.58	NA
C-X-C motif chemokine 11				7.15	7.24	NA
C-X-C motif chemokine 5	**			12.35	12.54	NA
C-X-C motif chemokine 6				9.05	9	NA
C-X-C motif chemokine 9				7.27	7.27	NA
Delta and Notch-like epidermal growth factor-related receptor				7.28	7.27	NA
Eukaryotic translation initiation factor 4E-binding protein 1				5.67	5.55	NA
Protein S100-A12				5.2	5.05	NA
Fibroblast growth factor 19				7.96	7.81	NA
Fibroblast growth factor 21				3.09	3.05	NA
Fibroblast growth factor 23				2.59	2.68	NA
Fibroblast growth factor 5				1.42	1.47	NA
Fms-related tyrosine kinase 3 ligand				8.79	8.84	NA
Glial cell line-derived neurotrophic factor				2.12	2.1	NA
Hepatocyte growth factor				7.86	7.9	NA
Interferon gamma				1	1.01	NA
Interleukin-10				4.18	4.07	NA
Interleukin-10 receptor subunit alpha				1.31	1.45	NA
Interleukin-10 receptor subunit beta				7.52	7.46	NA
Interleukin-12 subunit beta				4.81	4.88	NA
Interleukin-13				1.59	1.62	NA
Interleukin-15 receptor subunit alpha				1.25	1.21	NA
Interleukin-17A				0.85	0.83	NA
Interleukin-17C				1.7	1.64	NA
Interleukin-18				7.04	6.98	NA
Interleukin-18 receptor 1				7.54	7.5	NA
Interleukin-1 alpha				1.82	1.82	NA
Interleukin-2				1.22	1.23	NA
Interleukin-20				0.87	0.87	NA
Interleukin-20 receptor subunit alpha				1	0.99	NA
Interleukin-22 receptor subunit alpha-1	****	****	****	2.26	2.26	NA
Interleukin-24				1.38	1.38	NA
Interleukin-2 receptor subunit beta				0.93	0.9	NA
Interleukin-33				1.46	1.49	NA
Interleukin-4				1.42	1.25	NA
Interleukin-5				2.11	2.23	NA
Interleukin-6				2.92	2.81	NA
Interleukin-7				5.19	5.25	NA
Interleukin-8				7.56	7.51	NA
Leukemia inhibitory factor				0.88	0.95	NA
Leukemia inhibitory factor receptor				3.35	3.37	NA
Monocyte chemotactic protein 1	*			9.88	9.77	NA
Monocyte chemotactic protein 2				10.06	9.97	NA
Monocyte chemotactic protein 3				2.31	2.24	NA
Monocyte chemotactic protein 4				3.5	3.41	NA
Matrix metalloproteinase-1				6.99	6.98	NA
Matrix metalloproteinase-10				8.95	8.94	NA
Neurturin				1.18	1.21	NA
Neurotrophin-3				2.11	2.11	NA
Osteoprotegerin				9.71	9.71	NA
Oncostatin-M	*			4.65	4.8	NA
Programmed cell death 1 ligand 1	*			4.96	4.87	NA
Stem cell factor				9.21	9.15	NA
SIR2-like protein 2				3	2.89	NA
Signaling lymphocytic activation molecule				3.09	3.09	NA
Sulfotransferase 1A1	*			2.17	1.98	NA
STAM-binding protein				2.65	2.57	NA
Transforming growth factor alpha	*			3.75	3.9	NA
Latency-associated peptide transforming growth factor beta-1				8.02	8.01	NA
Tumor necrosis factor				0.9	0.89	NA
TNF-beta				3.98	4.02	NA
Tumor necrosis factor receptor superfamily member 9	**	*		6.87	6.72	NA
Tumor necrosis factor ligand superfamily member 14				4.68	4.71	NA
TNF-related apoptosis-inducing ligand	*			8.26	8.17	NA
TNF-related activation-induced cytokine				5.62	5.52	NA
Thymic stromal lymphopoietin				1.11	1.1	NA
Tumor necrosis factor				8.94	8.88	NA
Urokinase-type plasminogen activator				9.94	9.88	NA
Vascular endothelial growth factor A				10.16	10.22	NA

Table 2: Women table for biomarkers significance, disease Pruritus, unspecified

Protein	No correction	Benjamini	Bonferroni	Avg Disease	Avg Healthy	Image
Adenosine Deaminase	***	**	*	4.92	4.72	NA
Artemin				0.08	0.09	NA
Axin-1				1.07	1.09	NA
Brain-derived neurotrophic factor				3.91	3.88	NA
Beta-nerve growth factor				1.95	1.91	NA
Caspase-8				1.45	1.4	NA
Eotaxin				7.84	7.77	NA
C-C motif chemokine 19				9.26	9.41	NA
C-C motif chemokine 20				6	6.05	NA
C-C motif chemokine 23				9.37	9.35	NA
C-C motif chemokine 25				6.07	6.05	NA
C-C motif chemokine 28	****	**	**	1.02	1.33	NA
C-C motif chemokine 3				2.24	2.16	NA
C-C motif chemokine 4				6.56	6.42	NA
Natural killer cell receptor 2B4				6.33	6.31	NA
CD40L receptor				9.22	9.18	NA
T-cell surface glycoprotein CD5				4.02	4	NA
T cell surface glycoprotein CD6 isoform				3.65	3.58	NA
CUB domain-containing protein 1				2.47	2.38	NA
Macrophage colony-stimulating factor 1				7.91	7.9	NA
Cystatin D				6.79	6.76	NA
Fractalkine				6.55	6.5	NA
C-X-C motif chemokine 1				8.83	8.89	NA
C-X-C motif chemokine 10				9.63	9.58	NA
C-X-C motif chemokine 11				7.31	7.24	NA
C-X-C motif chemokine 5				12.52	12.54	NA
C-X-C motif chemokine 6				9.11	9	NA
C-X-C motif chemokine 9				7.34	7.27	NA
Delta and Notch-like epidermal growth factor-related receptor				7.29	7.27	NA
Eukaryotic translation initiation factor 4E-binding protein 1				5.53	5.55	NA
Protein S100-A12	*			5.29	5.05	NA
Fibroblast growth factor 19				7.87	7.81	NA
Fibroblast growth factor 21				3.02	3.05	NA
Fibroblast growth factor 23				2.64	2.68	NA
Fibroblast growth factor 5				1.42	1.47	NA
Fms-related tyrosine kinase 3 ligand				8.86	8.84	NA
Glial cell line-derived neurotrophic factor				2.11	2.1	NA
Hepatocyte growth factor				7.89	7.9	NA
Interferon gamma				1	1.01	NA
Interleukin-10				4.15	4.07	NA
Interleukin-10 receptor subunit alpha				1.36	1.45	NA
Interleukin-10 receptor subunit beta	*			7.54	7.46	NA
Interleukin-12 subunit beta				4.86	4.88	NA
Interleukin-13				1.59	1.62	NA
Interleukin-15 receptor subunit alpha				1.25	1.21	NA
Interleukin-17A				0.89	0.83	NA
Interleukin-17C				1.65	1.64	NA
Interleukin-18				7.06	6.98	NA
Interleukin-18 receptor 1				7.59	7.5	NA
Interleukin-1 alpha				1.76	1.82	NA
Interleukin-2	****	****	****	1.22	1.23	NA
Interleukin-20				0.89	0.87	NA
Interleukin-20 receptor subunit alpha				0.97	0.99	NA
Interleukin-22 receptor subunit alpha-1	****	****	****	2.26	2.26	NA
Interleukin-24				1.36	1.38	NA
Interleukin-2 receptor subunit beta				0.87	0.9	NA
Interleukin-33				1.44	1.49	NA
Interleukin-4				1.33	1.25	NA
Interleukin-5				2.25	2.23	NA
Interleukin-6				2.94	2.81	NA
Interleukin-7				5.15	5.25	NA
Interleukin-8				7.51	7.51	NA
Leukemia inhibitory factor	*			0.84	0.95	NA
Leukemia inhibitory factor receptor				3.39	3.37	NA
Monocyte chemotactic protein 1	**	*		9.96	9.77	NA
Monocyte chemotactic protein 2				10.11	9.97	NA
Monocyte chemotactic protein 3				2.27	2.24	NA
Monocyte chemotactic protein 4	*			3.59	3.41	NA
Matrix metalloproteinase-1				6.8	6.98	NA
Matrix metalloproteinase-10				9	8.94	NA
Neurturin				1.24	1.21	NA
Neurotrophin-3				2.17	2.11	NA
Osteoprotegerin				9.74	9.71	NA
Oncostatin-M				4.72	4.8	NA
Programmed cell death 1 ligand 1				4.91	4.87	NA
Stem cell factor				9.19	9.15	NA
SIR2-like protein 2				2.85	2.89	NA
Signaling lymphocytic activation molecule				3.07	3.09	NA
Sulfotransferase 1A1				2.01	1.98	NA
STAM-binding protein				2.61	2.57	NA
Transforming growth factor alpha				3.85	3.9	NA
Latency-associated peptide transforming growth factor beta-1				8.03	8.01	NA
Tumor necrosis factor				0.9	0.89	NA
TNF-beta				4.01	4.02	NA
Tumor necrosis factor receptor superfamily member 9	*			6.87	6.72	NA
Tumor necrosis factor ligand superfamily member 14				4.68	4.71	NA
TNF-related apoptosis-inducing ligand				8.21	8.17	NA
TNF-related activation-induced cytokine				5.65	5.52	NA
Thymic stromal lymphopoietin				1.09	1.1	NA
Tumor necrosis factor				8.93	8.88	NA
Urokinase-type plasminogen activator				9.93	9.88	NA
Vascular endothelial growth factor A				10.29	10.22	NA

Table 3: Women table for biomarkers significance, disease Atopic dermatitis, unspecified

Protein	No correction	Benjamini	Bonferroni	Avg Disease	Avg Healthy	Image
Adenosine Deaminase	****	**	**	4.93	4.72	NA
Artemin				0.18	0.09	NA
Axin-1				1.11	1.09	NA
Brain-derived neurotrophic factor				3.96	3.88	NA
Beta-nerve growth factor				1.92	1.91	NA
Caspase-8				1.38	1.4	NA
Eotaxin				7.79	7.77	NA
C-C motif chemokine 19				9.27	9.41	NA
C-C motif chemokine 20				6.15	6.05	NA
C-C motif chemokine 23				9.37	9.35	NA
C-C motif chemokine 25				6.06	6.05	NA
C-C motif chemokine 28	**			1.13	1.33	NA
C-C motif chemokine 3				2.32	2.16	NA
C-C motif chemokine 4	*			6.58	6.42	NA
Natural killer cell receptor 2B4				6.35	6.31	NA
CD40L receptor				9.2	9.18	NA
T-cell surface glycoprotein CD5				4.01	4	NA
T cell surface glycoprotein CD6 isoform				3.66	3.58	NA
CUB domain-containing protein 1				2.43	2.38	NA
Macrophage colony-stimulating factor 1				7.92	7.9	NA
Cystatin D				6.82	6.76	NA
Fractalkine				6.57	6.5	NA
C-X-C motif chemokine 1				8.81	8.89	NA
C-X-C motif chemokine 10				9.64	9.58	NA
C-X-C motif chemokine 11				7.35	7.24	NA
C-X-C motif chemokine 5				12.41	12.54	NA
C-X-C motif chemokine 6				9.03	9	NA
C-X-C motif chemokine 9				7.34	7.27	NA
Delta and Notch-like epidermal growth factor-related receptor				7.28	7.27	NA
Eukaryotic translation initiation factor 4E-binding protein 1				5.39	5.55	NA
Protein S100-A12				5.15	5.05	NA
Fibroblast growth factor 19				7.86	7.81	NA
Fibroblast growth factor 21				3.03	3.05	NA
Fibroblast growth factor 23				2.56	2.68	NA
Fibroblast growth factor 5				1.4	1.47	NA
Fms-related tyrosine kinase 3 ligand				8.81	8.84	NA
Glial cell line-derived neurotrophic factor				2.1	2.1	NA
Hepatocyte growth factor				7.85	7.9	NA
Interferon gamma				1	1.01	NA
Interleukin-10				4.25	4.07	NA
Interleukin-10 receptor subunit alpha				1.37	1.45	NA
Interleukin-10 receptor subunit beta				7.5	7.46	NA
Interleukin-12 subunit beta				4.82	4.88	NA
Interleukin-13				1.69	1.62	NA
Interleukin-15 receptor subunit alpha				1.24	1.21	NA
Interleukin-17A				0.86	0.83	NA
Interleukin-17C				1.66	1.64	NA
Interleukin-18	*			7.13	6.98	NA
Interleukin-18 receptor 1				7.58	7.5	NA
Interleukin-1 alpha				1.79	1.82	NA
Interleukin-2	****	****	****	1.22	1.23	NA
Interleukin-20				0.84	0.87	NA
Interleukin-20 receptor subunit alpha				0.94	0.99	NA
Interleukin-22 receptor subunit alpha-1	****	****	****	2.26	2.26	NA
Interleukin-24				1.42	1.38	NA
Interleukin-2 receptor subunit beta				0.91	0.9	NA
Interleukin-33				1.47	1.49	NA
Interleukin-4				1.44	1.25	NA
Interleukin-5				2.27	2.23	NA
Interleukin-6				2.97	2.81	NA
Interleukin-7				5.25	5.25	NA
Interleukin-8				7.51	7.51	NA
Leukemia inhibitory factor				0.87	0.95	NA
Leukemia inhibitory factor receptor				3.33	3.37	NA
Monocyte chemotactic protein 1	*			9.94	9.77	NA
Monocyte chemotactic protein 2				10.09	9.97	NA
Monocyte chemotactic protein 3				2.24	2.24	NA
Monocyte chemotactic protein 4				3.44	3.41	NA
Matrix metalloproteinase-1				7.09	6.98	NA
Matrix metalloproteinase-10				8.91	8.94	NA
Neurturin				1.23	1.21	NA
Neurotrophin-3				2.11	2.11	NA
Osteoprotegerin				9.69	9.71	NA
Oncostatin-M				4.63	4.8	NA
Programmed cell death 1 ligand 1				4.91	4.87	NA
Stem cell factor				9.17	9.15	NA
SIR2-like protein 2				2.88	2.89	NA
Signaling lymphocytic activation molecule				3.05	3.09	NA
Sulfotransferase 1A1				2.09	1.98	NA
STAM-binding protein				2.63	2.57	NA
Transforming growth factor alpha				3.78	3.9	NA
Latency-associated peptide transforming growth factor beta-1				8	8.01	NA
Tumor necrosis factor				0.93	0.89	NA
TNF-beta				3.96	4.02	NA
Tumor necrosis factor receptor superfamily member 9				6.8	6.72	NA
Tumor necrosis factor ligand superfamily member 14				4.74	4.71	NA
TNF-related apoptosis-inducing ligand				8.26	8.17	NA
TNF-related activation-induced cytokine				5.65	5.52	NA
Thymic stromal lymphopoietin				1.09	1.1	NA
Tumor necrosis factor				8.91	8.88	NA
Urokinase-type plasminogen activator				9.88	9.88	NA
Vascular endothelial growth factor A				10.26	10.22	NA

Table 4: Women table for biomarkers significance, disease Asthma

Protein	No correction	Benjamini	Bonferroni	Avg Disease	Avg Healthy	Image
Adenosine Deaminase	*			4.82	4.72	NA
Artemin				0.1	0.09	NA
Axin-1				1.09	1.09	NA
Brain-derived neurotrophic factor	*			5.04	3.88	NA
Beta-nerve growth factor				1.97	1.91	NA
Caspase-8				1.41	1.4	NA
Eotaxin				7.75	7.77	NA
C-C motif chemokine 19				9.39	9.41	NA
C-C motif chemokine 20				6.16	6.05	NA
C-C motif chemokine 23	*			9.48	9.35	NA
C-C motif chemokine 25				6.01	6.05	NA
C-C motif chemokine 28	**			1.11	1.33	NA
C-C motif chemokine 3				2.21	2.16	NA
C-C motif chemokine 4				6.49	6.42	NA
Natural killer cell receptor 2B4				6.35	6.31	NA
CD40L receptor				9.2	9.18	NA
T-cell surface glycoprotein CD5				4	4	NA
T cell surface glycoprotein CD6 isoform				3.64	3.58	NA
CUB domain-containing protein 1				2.47	2.38	NA
Macrophage colony-stimulating factor 1				7.91	7.9	NA
Cystatin D				6.73	6.76	NA
Fractalkine				6.57	6.5	NA
C-X-C motif chemokine 1				8.81	8.89	NA
C-X-C motif chemokine 10				9.55	9.58	NA
C-X-C motif chemokine 11				7.18	7.24	NA
C-X-C motif chemokine 5				12.5	12.54	NA
C-X-C motif chemokine 6				9.1	9	NA
C-X-C motif chemokine 9				7.31	7.27	NA
Delta and Notch-like epidermal growth factor-related receptor				7.29	7.27	NA
Eukaryotic translation initiation factor 4E-binding protein 1				5.37	5.55	NA
Protein S100-A12				5.18	5.05	NA
Fibroblast growth factor 19				7.92	7.81	NA
Fibroblast growth factor 21				3.23	3.05	NA
Fibroblast growth factor 23				2.59	2.68	NA
Fibroblast growth factor 5				1.43	1.47	NA
Fms-related tyrosine kinase 3 ligand				8.86	8.84	NA
Glial cell line-derived neurotrophic factor				2.12	2.1	NA
Hepatocyte growth factor				7.92	7.9	NA
Interferon gamma				1.01	1.01	NA
Interleukin-10				4.29	4.07	NA
Interleukin-10 receptor subunit alpha				1.4	1.45	NA
Interleukin-10 receptor subunit beta				7.52	7.46	NA
Interleukin-12 subunit beta				4.81	4.88	NA
Interleukin-13				1.7	1.62	NA
Interleukin-15 receptor subunit alpha				1.23	1.21	NA
Interleukin-17A				0.87	0.83	NA
Interleukin-17C				1.68	1.64	NA
Interleukin-18				7.1	6.98	NA
Interleukin-18 receptor 1				7.54	7.5	NA
Interleukin-1 alpha				1.84	1.82	NA
Interleukin-2	****	****	****	1.22	1.23	NA
Interleukin-20				0.86	0.87	NA
Interleukin-20 receptor subunit alpha				1	0.99	NA
Interleukin-22 receptor subunit alpha-1				2.31	2.26	NA
Interleukin-24				1.4	1.38	NA
Interleukin-2 receptor subunit beta	*			0.86	0.9	NA
Interleukin-33				1.43	1.49	NA
Interleukin-4				1.32	1.25	NA
Interleukin-5				2.39	2.23	NA
Interleukin-6				2.99	2.81	NA
Interleukin-7				5.24	5.25	NA
Interleukin-8				7.62	7.51	NA
Leukemia inhibitory factor				0.88	0.95	NA
Leukemia inhibitory factor receptor				3.41	3.37	NA
Monocyte chemotactic protein 1				9.85	9.77	NA
Monocyte chemotactic protein 2				9.96	9.97	NA
Monocyte chemotactic protein 3				2.32	2.24	NA
Monocyte chemotactic protein 4				3.45	3.41	NA
Matrix metalloproteinase-1				6.86	6.98	NA
Matrix metalloproteinase-10				9.04	8.94	NA
Neurturin				1.27	1.21	NA
Neurotrophin-3				2.18	2.11	NA
Osteoprotegerin				9.74	9.71	NA
Oncostatin-M				4.65	4.8	NA
Programmed cell death 1 ligand 1				4.9	4.87	NA
Stem cell factor				9.19	9.15	NA
SIR2-like protein 2				2.89	2.89	NA
Signaling lymphocytic activation molecule				3.04	3.09	NA
Sulfotransferase 1A1				2.03	1.98	NA
STAM-binding protein				2.6	2.57	NA
Transforming growth factor alpha				3.81	3.9	NA
Latency-associated peptide transforming growth factor beta-1				8.03	8.01	NA
Tumor necrosis factor				1.03	0.89	NA
TNF-beta				3.9	4.02	NA
Tumor necrosis factor receptor superfamily member 9				6.73	6.72	NA
Tumor necrosis factor ligand superfamily member 14				4.75	4.71	NA
TNF-related apoptosis-inducing ligand				8.23	8.17	NA
TNF-related activation-induced cytokine				5.51	5.52	NA
Thymic stromal lymphopoietin				1.08	1.1	NA
Tumor necrosis factor				8.88	8.88	NA
Urokinase-type plasminogen activator				9.92	9.88	NA
Vascular endothelial growth factor A				10.27	10.22	NA

Table 5: Women table for biomarkers significance, disease Rhinitis

Protein	No correction	Benjamini	Bonferroni	Avg Disease	Avg Healthy	Image
Adenosine Deaminase	**			4.84	4.72	NA
Artemin				0.1	0.09	NA
Axin-1				1.01	1.09	NA
Brain-derived neurotrophic factor				3.92	3.88	NA
Beta-nerve growth factor				2	1.91	NA
Caspase-8				1.39	1.4	NA
Eotaxin				7.71	7.77	NA
C-C motif chemokine 19				9.27	9.41	NA
C-C motif chemokine 20	*			5.83	6.05	NA
C-C motif chemokine 23				9.34	9.35	NA
C-C motif chemokine 25				5.93	6.05	NA
C-C motif chemokine 28	***	**	*	1.03	1.33	NA
C-C motif chemokine 3				2.07	2.16	NA
C-C motif chemokine 4				6.29	6.42	NA
Natural killer cell receptor 2B4				6.24	6.31	NA
CD40L receptor	*			9.1	9.18	NA
T-cell surface glycoprotein CD5	**			3.88	4	NA
T cell surface glycoprotein CD6 isoform	*			3.44	3.58	NA
CUB domain-containing protein 1				2.39	2.38	NA
Macrophage colony-stimulating factor 1				7.89	7.9	NA
Cystatin D				6.72	6.76	NA
Fractalkine				6.49	6.5	NA
C-X-C motif chemokine 1	**			8.71	8.89	NA
C-X-C motif chemokine 10				9.7	9.58	NA
C-X-C motif chemokine 11				7.05	7.24	NA
C-X-C motif chemokine 5	*			12.33	12.54	NA
C-X-C motif chemokine 6				8.96	9	NA
C-X-C motif chemokine 9				7.1	7.27	NA
Delta and Notch-like epidermal growth factor-related receptor				7.26	7.27	NA
Eukaryotic translation initiation factor 4E-binding protein 1				5.36	5.55	NA
Protein S100-A12				5.15	5.05	NA
Fibroblast growth factor 19				7.84	7.81	NA
Fibroblast growth factor 21				2.97	3.05	NA
Fibroblast growth factor 23				2.57	2.68	NA
Fibroblast growth factor 5	***	**	*	1.31	1.47	NA
Fms-related tyrosine kinase 3 ligand				8.8	8.84	NA
Glial cell line-derived neurotrophic factor				2.1	2.1	NA
Hepatocyte growth factor				7.83	7.9	NA
Interferon gamma				1.01	1.01	NA
Interleukin-10				4.18	4.07	NA
Interleukin-10 receptor subunit alpha				1.32	1.45	NA
Interleukin-10 receptor subunit beta				7.47	7.46	NA
Interleukin-12 subunit beta				4.74	4.88	NA
Interleukin-13				1.56	1.62	NA
Interleukin-15 receptor subunit alpha				1.2	1.21	NA
Interleukin-17A				0.79	0.83	NA
Interleukin-17C				1.66	1.64	NA
Interleukin-18				7.04	6.98	NA
Interleukin-18 receptor 1				7.53	7.5	NA
Interleukin-1 alpha				1.79	1.82	NA
Interleukin-2				1.22	1.23	NA
Interleukin-20				0.82	0.87	NA
Interleukin-20 receptor subunit alpha				0.97	0.99	NA
Interleukin-22 receptor subunit alpha-1				2.31	2.26	NA
Interleukin-24				1.41	1.38	NA
Interleukin-2 receptor subunit beta				0.89	0.9	NA
Interleukin-33				1.43	1.49	NA
Interleukin-4				1.25	1.25	NA
Interleukin-5				2.2	2.23	NA
Interleukin-6				2.91	2.81	NA
Interleukin-7				5.22	5.25	NA
Interleukin-8				7.41	7.51	NA
Leukemia inhibitory factor				0.85	0.95	NA
Leukemia inhibitory factor receptor				3.37	3.37	NA
Monocyte chemotactic protein 1				9.79	9.77	NA
Monocyte chemotactic protein 2				10.17	9.97	NA
Monocyte chemotactic protein 3				2.27	2.24	NA
Monocyte chemotactic protein 4				3.41	3.41	NA
Matrix metalloproteinase-1				6.77	6.98	NA
Matrix metalloproteinase-10				8.75	8.94	NA
Neurturin				1.15	1.21	NA
Neurotrophin-3				2.12	2.11	NA
Osteoprotegerin				9.68	9.71	NA
Oncostatin-M				4.65	4.8	NA
Programmed cell death 1 ligand 1				4.87	4.87	NA
Stem cell factor				9.12	9.15	NA
SIR2-like protein 2				2.8	2.89	NA
Signaling lymphocytic activation molecule				3.05	3.09	NA
Sulfotransferase 1A1				1.78	1.98	NA
STAM-binding protein				2.49	2.57	NA
Transforming growth factor alpha				3.76	3.9	NA
Latency-associated peptide transforming growth factor beta-1				7.94	8.01	NA
Tumor necrosis factor				1.04	0.89	NA
TNF-beta	*			3.87	4.02	NA
Tumor necrosis factor receptor superfamily member 9				6.68	6.72	NA
Tumor necrosis factor ligand superfamily member 14				4.59	4.71	NA
TNF-related apoptosis-inducing ligand				8.21	8.17	NA
TNF-related activation-induced cytokine				5.48	5.52	NA
Thymic stromal lymphopoietin				1.1	1.1	NA
Tumor necrosis factor				8.88	8.88	NA
Urokinase-type plasminogen activator				9.9	9.88	NA
Vascular endothelial growth factor A				10.15	10.22	NA

Table 6: Women table for biomarkers significance, disease Dyshidrosis

Protein	No correction	Benjamini	Bonferroni	Avg Disease	Avg Healthy	Image
Adenosine Deaminase	**	*		4.98	4.72	NA
Artemin				0.14	0.09	NA
Axin-1				1.12	1.09	NA
Brain-derived neurotrophic factor				5.27	3.88	NA
Beta-nerve growth factor				1.97	1.91	NA
Caspase-8				1.44	1.4	NA
Eotaxin				7.84	7.77	NA
C-C motif chemokine 19				9.46	9.41	NA
C-C motif chemokine 20				5.9	6.05	NA
C-C motif chemokine 23				9.31	9.35	NA
C-C motif chemokine 25				5.9	6.05	NA
C-C motif chemokine 28	***	**	*	0.95	1.33	NA
C-C motif chemokine 3				2.23	2.16	NA
C-C motif chemokine 4				6.5	6.42	NA
Natural killer cell receptor 2B4				6.33	6.31	NA
CD40L receptor				9.22	9.18	NA
T-cell surface glycoprotein CD5				4.06	4	NA
T cell surface glycoprotein CD6 isoform				3.6	3.58	NA
CUB domain-containing protein 1				2.44	2.38	NA
Macrophage colony-stimulating factor 1				7.93	7.9	NA
Cystatin D				6.69	6.76	NA
Fractalkine				6.58	6.5	NA
C-X-C motif chemokine 1				8.88	8.89	NA
C-X-C motif chemokine 10				9.61	9.58	NA
C-X-C motif chemokine 11				7.09	7.24	NA
C-X-C motif chemokine 5				12.3	12.54	NA
C-X-C motif chemokine 6				9.16	9	NA
C-X-C motif chemokine 9	*			7.04	7.27	NA
Delta and Notch-like epidermal growth factor-related receptor				7.34	7.27	NA
Eukaryotic translation initiation factor 4E-binding protein 1				5.55	5.55	NA
Protein S100-A12				5.23	5.05	NA
Fibroblast growth factor 19				7.63	7.81	NA
Fibroblast growth factor 21				3.47	3.05	NA
Fibroblast growth factor 23				2.48	2.68	NA
Fibroblast growth factor 5	**			1.35	1.47	NA
Fms-related tyrosine kinase 3 ligand				8.91	8.84	NA
Glial cell line-derived neurotrophic factor				2.02	2.1	NA
Hepatocyte growth factor				8.02	7.9	NA
Interferon gamma				0.99	1.01	NA
Interleukin-10				4.48	4.07	NA
Interleukin-10 receptor subunit alpha				1.28	1.45	NA
Interleukin-10 receptor subunit beta	*			7.6	7.46	NA
Interleukin-12 subunit beta				4.89	4.88	NA
Interleukin-13	****	****	****	1.54	1.62	NA
Interleukin-15 receptor subunit alpha				1.19	1.21	NA
Interleukin-17A				0.76	0.83	NA
Interleukin-17C				1.65	1.64	NA
Interleukin-18				7.13	6.98	NA
Interleukin-18 receptor 1				7.6	7.5	NA
Interleukin-1 alpha				1.79	1.82	NA
Interleukin-2	****	****	****	1.22	1.23	NA
Interleukin-20	*			0.81	0.87	NA
Interleukin-20 receptor subunit alpha				1.01	0.99	NA
Interleukin-22 receptor subunit alpha-1	****	****	****	2.26	2.26	NA
Interleukin-24				1.37	1.38	NA
Interleukin-2 receptor subunit beta				0.96	0.9	NA
Interleukin-33	****	****	****	1.43	1.49	NA
Interleukin-4				1.41	1.25	NA
Interleukin-5				2.14	2.23	NA
Interleukin-6				2.87	2.81	NA
Interleukin-7				5.4	5.25	NA
Interleukin-8				7.57	7.51	NA
Leukemia inhibitory factor	**	*		0.81	0.95	NA
Leukemia inhibitory factor receptor				3.4	3.37	NA
Monocyte chemotactic protein 1	*			10.02	9.77	NA
Monocyte chemotactic protein 2	*			10.28	9.97	NA
Monocyte chemotactic protein 3				2.34	2.24	NA
Monocyte chemotactic protein 4	*			3.62	3.41	NA
Matrix metalloproteinase-1				6.71	6.98	NA
Matrix metalloproteinase-10				8.86	8.94	NA
Neurturin	*			1.14	1.21	NA
Neurotrophin-3				2.17	2.11	NA
Osteoprotegerin				9.72	9.71	NA
Oncostatin-M				4.78	4.8	NA
Programmed cell death 1 ligand 1	***	**	*	5.09	4.87	NA
Stem cell factor				9.17	9.15	NA
SIR2-like protein 2				2.87	2.89	NA
Signaling lymphocytic activation molecule				3.1	3.09	NA
Sulfotransferase 1A1				1.74	1.98	NA
STAM-binding protein				2.6	2.57	NA
Transforming growth factor alpha				3.88	3.9	NA
Latency-associated peptide transforming growth factor beta-1				8.15	8.01	NA
Tumor necrosis factor				0.91	0.89	NA
TNF-beta				3.96	4.02	NA
Tumor necrosis factor receptor superfamily member 9				6.87	6.72	NA
Tumor necrosis factor ligand superfamily member 14				4.89	4.71	NA
TNF-related apoptosis-inducing ligand				8.27	8.17	NA
TNF-related activation-induced cytokine				5.78	5.52	NA
Thymic stromal lymphopoietin				1.09	1.1	NA
Tumor necrosis factor				8.94	8.88	NA
Urokinase-type plasminogen activator				10.01	9.88	NA
Vascular endothelial growth factor A				10.34	10.22	NA

Table 7: Women table for biomarkers significance, disease Psoriasis

Protein	No correction	Benjamini	Bonferroni	Avg Disease	Avg Healthy	Image
Adenosine Deaminase				4.71	4.72	NA
Artemin				0.08	0.09	NA
Axin-1				1.09	1.09	NA
Brain-derived neurotrophic factor				4.63	3.88	NA
Beta-nerve growth factor				1.84	1.91	NA
Caspase-8				1.33	1.4	NA
Eotaxin				7.83	7.77	NA
C-C motif chemokine 19				9.66	9.41	NA
C-C motif chemokine 20				5.96	6.05	NA
C-C motif chemokine 23				9.35	9.35	NA
C-C motif chemokine 25				5.81	6.05	NA
C-C motif chemokine 28	*			1.12	1.33	NA
C-C motif chemokine 3				2.21	2.16	NA
C-C motif chemokine 4				6.49	6.42	NA
Natural killer cell receptor 2B4				6.28	6.31	NA
CD40L receptor				9.18	9.18	NA
T-cell surface glycoprotein CD5				4	4	NA
T cell surface glycoprotein CD6 isoform				3.71	3.58	NA
CUB domain-containing protein 1				2.4	2.38	NA
Macrophage colony-stimulating factor 1				7.9	7.9	NA
Cystatin D				6.72	6.76	NA
Fractalkine				6.64	6.5	NA
C-X-C motif chemokine 1				8.94	8.89	NA
C-X-C motif chemokine 10				9.75	9.58	NA
C-X-C motif chemokine 11				7.35	7.24	NA
C-X-C motif chemokine 5				12.62	12.54	NA
C-X-C motif chemokine 6				9.18	9	NA
C-X-C motif chemokine 9				7.25	7.27	NA
Delta and Notch-like epidermal growth factor-related receptor				7.25	7.27	NA
Eukaryotic translation initiation factor 4E-binding protein 1				5.57	5.55	NA
Protein S100-A12				5.21	5.05	NA
Fibroblast growth factor 19				7.61	7.81	NA
Fibroblast growth factor 21				3.26	3.05	NA
Fibroblast growth factor 23				2.81	2.68	NA
Fibroblast growth factor 5				1.37	1.47	NA
Fms-related tyrosine kinase 3 ligand				8.82	8.84	NA
Glial cell line-derived neurotrophic factor				1.97	2.1	NA
Hepatocyte growth factor				7.95	7.9	NA
Interferon gamma	****	****	****	0.99	1.01	NA
Interleukin-10				4.11	4.07	NA
Interleukin-10 receptor subunit alpha				1.4	1.45	NA
Interleukin-10 receptor subunit beta				7.47	7.46	NA
Interleukin-12 subunit beta				4.85	4.88	NA
Interleukin-13				1.58	1.62	NA
Interleukin-15 receptor subunit alpha				1.17	1.21	NA
Interleukin-17A				0.74	0.83	NA
Interleukin-17C				1.54	1.64	NA
Interleukin-18				6.97	6.98	NA
Interleukin-18 receptor 1				7.55	7.5	NA
Interleukin-1 alpha				2.13	1.82	NA
Interleukin-2	****	****	****	1.22	1.23	NA
Interleukin-20	*			0.81	0.87	NA
Interleukin-20 receptor subunit alpha				0.98	0.99	NA
Interleukin-22 receptor subunit alpha-1	****	****	****	2.26	2.26	NA
Interleukin-24				1.35	1.38	NA
Interleukin-2 receptor subunit beta	*			0.86	0.9	NA
Interleukin-33				1.43	1.49	NA
Interleukin-4				1.64	1.25	NA
Interleukin-5				2.24	2.23	NA
Interleukin-6				2.84	2.81	NA
Interleukin-7				5.08	5.25	NA
Interleukin-8				7.56	7.51	NA
Leukemia inhibitory factor				0.88	0.95	NA
Leukemia inhibitory factor receptor				3.37	3.37	NA
Monocyte chemotactic protein 1				9.93	9.77	NA
Monocyte chemotactic protein 2				9.98	9.97	NA
Monocyte chemotactic protein 3				2.19	2.24	NA
Monocyte chemotactic protein 4				3.57	3.41	NA
Matrix metalloproteinase-1				6.81	6.98	NA
Matrix metalloproteinase-10				8.73	8.94	NA
Neurturin				1.26	1.21	NA
Neurotrophin-3				2.02	2.11	NA
Osteoprotegerin				9.84	9.71	NA
Oncostatin-M				4.85	4.8	NA
Programmed cell death 1 ligand 1				4.93	4.87	NA
Stem cell factor				9.2	9.15	NA
SIR2-like protein 2				2.94	2.89	NA
Signaling lymphocytic activation molecule	**			2.88	3.09	NA
Sulfotransferase 1A1				2.12	1.98	NA
STAM-binding protein				2.56	2.57	NA
Transforming growth factor alpha				3.83	3.9	NA
Latency-associated peptide transforming growth factor beta-1				7.92	8.01	NA
Tumor necrosis factor				0.89	0.89	NA
TNF-beta				3.91	4.02	NA
Tumor necrosis factor receptor superfamily member 9				6.74	6.72	NA
Tumor necrosis factor ligand superfamily member 14				4.73	4.71	NA
TNF-related apoptosis-inducing ligand				8.21	8.17	NA
TNF-related activation-induced cytokine				5.39	5.52	NA
Thymic stromal lymphopoietin				1.09	1.1	NA
Tumor necrosis factor				8.79	8.88	NA
Urokinase-type plasminogen activator				9.88	9.88	NA
Vascular endothelial growth factor A				10.39	10.22	NA

Table 8: Women table for biomarkers significance, disease Migraine, unspecified

Protein	No correction	Benjamini	Bonferroni	Avg Disease	Avg Healthy	Image
Adenosine Deaminase				4.79	4.72	NA
Artemin				0.21	0.09	NA
Axin-1				1.06	1.09	NA
Brain-derived neurotrophic factor				3.97	3.88	NA
Beta-nerve growth factor				2.04	1.91	NA
Caspase-8				1.47	1.4	NA
Eotaxin				7.75	7.77	NA
C-C motif chemokine 19				9.21	9.41	NA
C-C motif chemokine 20				6.05	6.05	NA
C-C motif chemokine 23				9.46	9.35	NA
C-C motif chemokine 25				5.93	6.05	NA
C-C motif chemokine 28	*			1.09	1.33	NA
C-C motif chemokine 3				2.23	2.16	NA
C-C motif chemokine 4				6.49	6.42	NA
Natural killer cell receptor 2B4				6.4	6.31	NA
CD40L receptor				9.23	9.18	NA
T-cell surface glycoprotein CD5				4.13	4	NA
T cell surface glycoprotein CD6 isoform				3.66	3.58	NA
CUB domain-containing protein 1				2.59	2.38	NA
Macrophage colony-stimulating factor 1				7.95	7.9	NA
Cystatin D				6.78	6.76	NA
Fractalkine				6.54	6.5	NA
C-X-C motif chemokine 1				8.87	8.89	NA
C-X-C motif chemokine 10				9.54	9.58	NA
C-X-C motif chemokine 11				7.15	7.24	NA
C-X-C motif chemokine 5				12.68	12.54	NA
C-X-C motif chemokine 6				9.17	9	NA
C-X-C motif chemokine 9				7.19	7.27	NA
Delta and Notch-like epidermal growth factor-related receptor				7.3	7.27	NA
Eukaryotic translation initiation factor 4E-binding protein 1				5.47	5.55	NA
Protein S100-A12				5.2	5.05	NA
Fibroblast growth factor 19				7.88	7.81	NA
Fibroblast growth factor 21				3.78	3.05	NA
Fibroblast growth factor 23				2.67	2.68	NA
Fibroblast growth factor 5	*			1.34	1.47	NA
Fms-related tyrosine kinase 3 ligand				9.01	8.84	NA
Glial cell line-derived neurotrophic factor				2.11	2.1	NA
Hepatocyte growth factor				7.98	7.9	NA
Interferon gamma	****	****	****	0.99	1.01	NA
Interleukin-10				4.05	4.07	NA
Interleukin-10 receptor subunit alpha	**	*		1.1	1.45	NA
Interleukin-10 receptor subunit beta	*			7.61	7.46	NA
Interleukin-12 subunit beta				4.84	4.88	NA
Interleukin-13	****	****	****	1.54	1.62	NA
Interleukin-15 receptor subunit alpha				1.3	1.21	NA
Interleukin-17A				0.9	0.83	NA
Interleukin-17C				1.71	1.64	NA
Interleukin-18				7.16	6.98	NA
Interleukin-18 receptor 1				7.72	7.5	NA
Interleukin-1 alpha				1.86	1.82	NA
Interleukin-2	****	****	****	1.22	1.23	NA
Interleukin-20	*			0.8	0.87	NA
Interleukin-20 receptor subunit alpha				0.96	0.99	NA
Interleukin-22 receptor subunit alpha-1	****	****	****	2.26	2.26	NA
Interleukin-24				1.37	1.38	NA
Interleukin-2 receptor subunit beta				0.88	0.9	NA
Interleukin-33				1.43	1.49	NA
Interleukin-4				1.21	1.25	NA
Interleukin-5				2.51	2.23	NA
Interleukin-6				2.99	2.81	NA
Interleukin-7				5.3	5.25	NA
Interleukin-8				7.63	7.51	NA
Leukemia inhibitory factor	*			0.83	0.95	NA
Leukemia inhibitory factor receptor				3.45	3.37	NA
Monocyte chemotactic protein 1				9.91	9.77	NA
Monocyte chemotactic protein 2				10.19	9.97	NA
Monocyte chemotactic protein 3				2.2	2.24	NA
Monocyte chemotactic protein 4				3.59	3.41	NA
Matrix metalloproteinase-1				6.86	6.98	NA
Matrix metalloproteinase-10				8.95	8.94	NA
Neurturin				1.38	1.21	NA
Neurotrophin-3				2.06	2.11	NA
Osteoprotegerin				9.76	9.71	NA
Oncostatin-M				4.84	4.8	NA
Programmed cell death 1 ligand 1				4.94	4.87	NA
Stem cell factor				9.08	9.15	NA
SIR2-like protein 2				2.96	2.89	NA
Signaling lymphocytic activation molecule				3	3.09	NA
Sulfotransferase 1A1				1.99	1.98	NA
STAM-binding protein				2.62	2.57	NA
Transforming growth factor alpha				3.94	3.9	NA
Latency-associated peptide transforming growth factor beta-1				8.11	8.01	NA
Tumor necrosis factor	**			0.84	0.89	NA
TNF-beta				4.08	4.02	NA
Tumor necrosis factor receptor superfamily member 9				6.69	6.72	NA
Tumor necrosis factor ligand superfamily member 14				4.72	4.71	NA
TNF-related apoptosis-inducing ligand				8.16	8.17	NA
TNF-related activation-induced cytokine				5.34	5.52	NA
Thymic stromal lymphopoietin				1.14	1.1	NA
Tumor necrosis factor				8.89	8.88	NA
Urokinase-type plasminogen activator				9.92	9.88	NA
Vascular endothelial growth factor A				10.25	10.22	NA

Table 9: Women table for biomarkers significance, disease Eczema

Protein	No correction	Benjamini	Bonferroni	Avg Disease	Avg Healthy	Image
Adenosine Deaminase				4.85	4.72	NA
Artemin				0.05	0.09	NA
Axin-1				1.17	1.09	NA
Brain-derived neurotrophic factor				4.6	3.88	NA
Beta-nerve growth factor				1.83	1.91	NA
Caspase-8				1.26	1.4	NA
Eotaxin				7.72	7.77	NA
C-C motif chemokine 19				9.51	9.41	NA
C-C motif chemokine 20				5.76	6.05	NA
C-C motif chemokine 23				9.22	9.35	NA
C-C motif chemokine 25				5.9	6.05	NA
C-C motif chemokine 28				1.13	1.33	NA
C-C motif chemokine 3				2.18	2.16	NA
C-C motif chemokine 4				6.21	6.42	NA
Natural killer cell receptor 2B4				6.24	6.31	NA
CD40L receptor				9.25	9.18	NA
T-cell surface glycoprotein CD5				3.92	4	NA
T cell surface glycoprotein CD6 isoform				3.53	3.58	NA
CUB domain-containing protein 1				2.67	2.38	NA
Macrophage colony-stimulating factor 1				8.01	7.9	NA
Cystatin D				6.61	6.76	NA
Fractalkine				6.49	6.5	NA
C-X-C motif chemokine 1				8.7	8.89	NA
C-X-C motif chemokine 10				9.74	9.58	NA
C-X-C motif chemokine 11				7.19	7.24	NA
C-X-C motif chemokine 5				12.57	12.54	NA
C-X-C motif chemokine 6				8.85	9	NA
C-X-C motif chemokine 9				7.26	7.27	NA
Delta and Notch-like epidermal growth factor-related receptor				7.16	7.27	NA
Eukaryotic translation initiation factor 4E-binding protein 1				4.73	5.55	NA
Protein S100-A12				4.92	5.05	NA
Fibroblast growth factor 19	*			8.61	7.81	NA
Fibroblast growth factor 21				3.82	3.05	NA
Fibroblast growth factor 23	**	*		2.22	2.68	NA
Fibroblast growth factor 5				1.34	1.47	NA
Fms-related tyrosine kinase 3 ligand				9.08	8.84	NA
Glial cell line-derived neurotrophic factor	**			1.75	2.1	NA
Hepatocyte growth factor				7.84	7.9	NA
Interferon gamma	****	****	****	0.99	1.01	NA
Interleukin-10				3.97	4.07	NA
Interleukin-10 receptor subunit alpha				1.16	1.45	NA
Interleukin-10 receptor subunit beta				7.44	7.46	NA
Interleukin-12 subunit beta				4.49	4.88	NA
Interleukin-13				1.62	1.62	NA
Interleukin-15 receptor subunit alpha				1.16	1.21	NA
Interleukin-17A				0.84	0.83	NA
Interleukin-17C				1.6	1.64	NA
Interleukin-18				6.87	6.98	NA
Interleukin-18 receptor 1				7.67	7.5	NA
Interleukin-1 alpha				1.59	1.82	NA
Interleukin-2	****	****	****	1.22	1.23	NA
Interleukin-20	**			0.78	0.87	NA
Interleukin-20 receptor subunit alpha				0.91	0.99	NA
Interleukin-22 receptor subunit alpha-1	****	****	****	2.26	2.26	NA
Interleukin-24	****	****	****	1.34	1.38	NA
Interleukin-2 receptor subunit beta	****	****	****	0.85	0.9	NA
Interleukin-33	****	****	****	1.43	1.49	NA
Interleukin-4				1.65	1.25	NA
Interleukin-5				2.24	2.23	NA
Interleukin-6				3.06	2.81	NA
Interleukin-7				5.11	5.25	NA
Interleukin-8				7.57	7.51	NA
Leukemia inhibitory factor				0.92	0.95	NA
Leukemia inhibitory factor receptor				3.18	3.37	NA
Monocyte chemotactic protein 1				9.89	9.77	NA
Monocyte chemotactic protein 2				9.71	9.97	NA
Monocyte chemotactic protein 3				2.24	2.24	NA
Monocyte chemotactic protein 4				3.44	3.41	NA
Matrix metalloproteinase-1				7.14	6.98	NA
Matrix metalloproteinase-10				8.66	8.94	NA
Neurturin				1.36	1.21	NA
Neurotrophin-3				1.92	2.11	NA
Osteoprotegerin				9.8	9.71	NA
Oncostatin-M				4.8	4.8	NA
Programmed cell death 1 ligand 1				4.76	4.87	NA
Stem cell factor				8.98	9.15	NA
SIR2-like protein 2				2.73	2.89	NA
Signaling lymphocytic activation molecule				2.99	3.09	NA
Sulfotransferase 1A1				2.19	1.98	NA
STAM-binding protein				2.36	2.57	NA
Transforming growth factor alpha				3.81	3.9	NA
Latency-associated peptide transforming growth factor beta-1				7.8	8.01	NA
Tumor necrosis factor	**	*		0.84	0.89	NA
TNF-beta				4.04	4.02	NA
Tumor necrosis factor receptor superfamily member 9	*			6.41	6.72	NA
Tumor necrosis factor ligand superfamily member 14				4.84	4.71	NA
TNF-related apoptosis-inducing ligand				7.89	8.17	NA
TNF-related activation-induced cytokine				4.78	5.52	NA
Thymic stromal lymphopoietin				1.12	1.1	NA
Tumor necrosis factor				8.72	8.88	NA
Urokinase-type plasminogen activator				9.75	9.88	NA
Vascular endothelial growth factor A				10.24	10.22	NA

Table 10: Women table for biomarkers significance, disease Depression

Protein	No correction	Benjamini	Bonferroni	Avg Disease	Avg Healthy	Image
Adenosine Deaminase				4.9	4.72	NA
Artemin				0.23	0.09	NA
Axin-1				1.2	1.09	NA
Brain-derived neurotrophic factor				5.19	3.88	NA
Beta-nerve growth factor				2.01	1.91	NA
Caspase-8				1.36	1.4	NA
Eotaxin				7.79	7.77	NA
C-C motif chemokine 19				9.37	9.41	NA
C-C motif chemokine 20				6.63	6.05	NA
C-C motif chemokine 23				9.51	9.35	NA
C-C motif chemokine 25				6.54	6.05	NA
C-C motif chemokine 28				1.35	1.33	NA
C-C motif chemokine 3				2.17	2.16	NA
C-C motif chemokine 4				6.45	6.42	NA
Natural killer cell receptor 2B4				6.27	6.31	NA
CD40L receptor				9.32	9.18	NA
T-cell surface glycoprotein CD5				3.88	4	NA
T cell surface glycoprotein CD6 isoform				3.52	3.58	NA
CUB domain-containing protein 1				2.46	2.38	NA
Macrophage colony-stimulating factor 1				7.88	7.9	NA
Cystatin D				6.93	6.76	NA
Fractalkine				6.56	6.5	NA
C-X-C motif chemokine 1				8.76	8.89	NA
C-X-C motif chemokine 10				9.64	9.58	NA
C-X-C motif chemokine 11				7.09	7.24	NA
C-X-C motif chemokine 5				12.58	12.54	NA
C-X-C motif chemokine 6				8.97	9	NA
C-X-C motif chemokine 9				7.1	7.27	NA
Delta and Notch-like epidermal growth factor-related receptor				7.18	7.27	NA
Eukaryotic translation initiation factor 4E-binding protein 1				5.1	5.55	NA
Protein S100-A12				4.88	5.05	NA
Fibroblast growth factor 19				8.16	7.81	NA
Fibroblast growth factor 21				3.83	3.05	NA
Fibroblast growth factor 23				2.46	2.68	NA
Fibroblast growth factor 5				1.32	1.47	NA
Fms-related tyrosine kinase 3 ligand				8.97	8.84	NA
Glial cell line-derived neurotrophic factor				2.14	2.1	NA
Hepatocyte growth factor				7.97	7.9	NA
Interferon gamma	****	****	****	0.99	1.01	NA
Interleukin-10				4.09	4.07	NA
Interleukin-10 receptor subunit alpha				1.34	1.45	NA
Interleukin-10 receptor subunit beta				7.52	7.46	NA
Interleukin-12 subunit beta	*			4.42	4.88	NA
Interleukin-13				1.84	1.62	NA
Interleukin-15 receptor subunit alpha				1.21	1.21	NA
Interleukin-17A				1.1	0.83	NA
Interleukin-17C				1.72	1.64	NA
Interleukin-18				7.41	6.98	NA
Interleukin-18 receptor 1				7.32	7.5	NA
Interleukin-1 alpha				1.72	1.82	NA
Interleukin-2	****	****	****	1.22	1.23	NA
Interleukin-20	*			0.81	0.87	NA
Interleukin-20 receptor subunit alpha				0.93	0.99	NA
Interleukin-22 receptor subunit alpha-1	****	****	****	2.26	2.26	NA
Interleukin-24	****	****	****	1.34	1.38	NA
Interleukin-2 receptor subunit beta	****	****	****	0.85	0.9	NA
Interleukin-33	****	****	****	1.43	1.49	NA
Interleukin-4				1.91	1.25	NA
Interleukin-5				3.04	2.23	NA
Interleukin-6				2.92	2.81	NA
Interleukin-7				5.22	5.25	NA
Interleukin-8				7.59	7.51	NA
Leukemia inhibitory factor				0.87	0.95	NA
Leukemia inhibitory factor receptor				3.34	3.37	NA
Monocyte chemotactic protein 1				9.89	9.77	NA
Monocyte chemotactic protein 2				10.11	9.97	NA
Monocyte chemotactic protein 3				2.58	2.24	NA
Monocyte chemotactic protein 4				3.56	3.41	NA
Matrix metalloproteinase-1				7.16	6.98	NA
Matrix metalloproteinase-10				8.96	8.94	NA
Neurturin				1.22	1.21	NA
Neurotrophin-3				2.13	2.11	NA
Osteoprotegerin				9.8	9.71	NA
Oncostatin-M				4.71	4.8	NA
Programmed cell death 1 ligand 1				4.94	4.87	NA
Stem cell factor				9	9.15	NA
SIR2-like protein 2				2.93	2.89	NA
Signaling lymphocytic activation molecule				3.05	3.09	NA
Sulfotransferase 1A1	*			2.57	1.98	NA
STAM-binding protein				2.75	2.57	NA
Transforming growth factor alpha				3.99	3.9	NA
Latency-associated peptide transforming growth factor beta-1				8.1	8.01	NA
Tumor necrosis factor				1.19	0.89	NA
TNF-beta				3.76	4.02	NA
Tumor necrosis factor receptor superfamily member 9	*			6.51	6.72	NA
Tumor necrosis factor ligand superfamily member 14				4.88	4.71	NA
TNF-related apoptosis-inducing ligand				8.18	8.17	NA
TNF-related activation-induced cytokine				5.38	5.52	NA
Thymic stromal lymphopoietin	****	****	****	1.08	1.1	NA
Tumor necrosis factor				8.89	8.88	NA
Urokinase-type plasminogen activator				9.76	9.88	NA
Vascular endothelial growth factor A				10.39	10.22	NA

Table 11: Women table for biomarkers significance, disease Food allergy

Protein	No correction	Benjamini	Bonferroni	Avg Disease	Avg Healthy	Image
Adenosine Deaminase				4.89	4.72	NA
Artemin				0.3	0.09	NA
Axin-1				1.08	1.09	NA
Brain-derived neurotrophic factor				3.48	3.88	NA
Beta-nerve growth factor				1.91	1.91	NA
Caspase-8				1.63	1.4	NA
Eotaxin				7.84	7.77	NA
C-C motif chemokine 19				9.09	9.41	NA
C-C motif chemokine 20	*			5.74	6.05	NA
C-C motif chemokine 23				9.34	9.35	NA
C-C motif chemokine 25				6.1	6.05	NA
C-C motif chemokine 28	*			1.05	1.33	NA
C-C motif chemokine 3				2.19	2.16	NA
C-C motif chemokine 4				6.32	6.42	NA
Natural killer cell receptor 2B4				6.39	6.31	NA
CD40L receptor				9.37	9.18	NA
T-cell surface glycoprotein CD5				4.06	4	NA
T cell surface glycoprotein CD6 isoform				3.58	3.58	NA
CUB domain-containing protein 1				2.48	2.38	NA
Macrophage colony-stimulating factor 1				8.01	7.9	NA
Cystatin D				6.89	6.76	NA
Fractalkine				6.68	6.5	NA
C-X-C motif chemokine 1				8.8	8.89	NA
C-X-C motif chemokine 10				9.44	9.58	NA
C-X-C motif chemokine 11				6.98	7.24	NA
C-X-C motif chemokine 5				12.57	12.54	NA
C-X-C motif chemokine 6				9.01	9	NA
C-X-C motif chemokine 9				7.19	7.27	NA
Delta and Notch-like epidermal growth factor-related receptor				7.43	7.27	NA
Eukaryotic translation initiation factor 4E-binding protein 1				5.27	5.55	NA
Protein S100-A12				4.74	5.05	NA
Fibroblast growth factor 19				8.16	7.81	NA
Fibroblast growth factor 21				3.46	3.05	NA
Fibroblast growth factor 23	*			2.28	2.68	NA
Fibroblast growth factor 5				1.39	1.47	NA
Fms-related tyrosine kinase 3 ligand				8.84	8.84	NA
Glial cell line-derived neurotrophic factor				1.89	2.1	NA
Hepatocyte growth factor				8.09	7.9	NA
Interferon gamma	****	****	****	0.99	1.01	NA
Interleukin-10				4.01	4.07	NA
Interleukin-10 receptor subunit alpha				1.35	1.45	NA
Interleukin-10 receptor subunit beta				7.56	7.46	NA
Interleukin-12 subunit beta				4.87	4.88	NA
Interleukin-13				1.78	1.62	NA
Interleukin-15 receptor subunit alpha				1.15	1.21	NA
Interleukin-17A				1.15	0.83	NA
Interleukin-17C				1.58	1.64	NA
Interleukin-18				6.96	6.98	NA
Interleukin-18 receptor 1				7.46	7.5	NA
Interleukin-1 alpha				1.39	1.82	NA
Interleukin-2	****	****	****	1.22	1.23	NA
Interleukin-20	**			0.78	0.87	NA
Interleukin-20 receptor subunit alpha	***	**	*	0.88	0.99	NA
Interleukin-22 receptor subunit alpha-1	****	****	****	2.26	2.26	NA
Interleukin-24	****	****	****	1.34	1.38	NA
Interleukin-2 receptor subunit beta				0.87	0.9	NA
Interleukin-33	****	****	****	1.43	1.49	NA
Interleukin-4				1.83	1.25	NA
Interleukin-5				3.44	2.23	NA
Interleukin-6				3.24	2.81	NA
Interleukin-7				5.33	5.25	NA
Interleukin-8				7.72	7.51	NA
Leukemia inhibitory factor				0.89	0.95	NA
Leukemia inhibitory factor receptor				3.29	3.37	NA
Monocyte chemotactic protein 1				9.89	9.77	NA
Monocyte chemotactic protein 2				9.87	9.97	NA
Monocyte chemotactic protein 3				2.56	2.24	NA
Monocyte chemotactic protein 4				3.51	3.41	NA
Matrix metalloproteinase-1				6.88	6.98	NA
Matrix metalloproteinase-10				9	8.94	NA
Neurturin				1.25	1.21	NA
Neurotrophin-3				2.07	2.11	NA
Osteoprotegerin				9.55	9.71	NA
Oncostatin-M				4.82	4.8	NA
Programmed cell death 1 ligand 1				5.08	4.87	NA
Stem cell factor				9.3	9.15	NA
SIR2-like protein 2				2.96	2.89	NA
Signaling lymphocytic activation molecule				3.11	3.09	NA
Sulfotransferase 1A1				1.68	1.98	NA
STAM-binding protein				2.76	2.57	NA
Transforming growth factor alpha				3.77	3.9	NA
Latency-associated peptide transforming growth factor beta-1				8.08	8.01	NA
Tumor necrosis factor				1.25	0.89	NA
TNF-beta	*			4.22	4.02	NA
Tumor necrosis factor receptor superfamily member 9				6.73	6.72	NA
Tumor necrosis factor ligand superfamily member 14				4.93	4.71	NA
TNF-related apoptosis-inducing ligand				8.04	8.17	NA
TNF-related activation-induced cytokine				5.63	5.52	NA
Thymic stromal lymphopoietin	****	****	****	1.08	1.1	NA
Tumor necrosis factor				9	8.88	NA
Urokinase-type plasminogen activator				9.84	9.88	NA
Vascular endothelial growth factor A				10.14	10.22	NA

Table 12: Women table for biomarkers significance, disease ADHD

Protein	No correction	Benjamini	Bonferroni	Avg Disease	Avg Healthy	Image
Adenosine Deaminase				4.63	4.72	NA
Artemin	****	****	****	0.03	0.09	NA
Axin-1				1.25	1.09	NA
Brain-derived neurotrophic factor				4.55	3.88	NA
Beta-nerve growth factor				2.23	1.91	NA
Caspase-8				1.37	1.4	NA
Eotaxin				7.76	7.77	NA
C-C motif chemokine 19				9.53	9.41	NA
C-C motif chemokine 20				6.92	6.05	NA
C-C motif chemokine 23				9.3	9.35	NA
C-C motif chemokine 25				6.17	6.05	NA
C-C motif chemokine 28				1.2	1.33	NA
C-C motif chemokine 3				2.05	2.16	NA
C-C motif chemokine 4				6.18	6.42	NA
Natural killer cell receptor 2B4	*			5.95	6.31	NA
CD40L receptor				9.08	9.18	NA
T-cell surface glycoprotein CD5				3.68	4	NA
T cell surface glycoprotein CD6 isoform				3.5	3.58	NA
CUB domain-containing protein 1				2.34	2.38	NA
Macrophage colony-stimulating factor 1				7.76	7.9	NA
Cystatin D				6.77	6.76	NA
Fractalkine				6.4	6.5	NA
C-X-C motif chemokine 1				8.69	8.89	NA
C-X-C motif chemokine 10				9.2	9.58	NA
C-X-C motif chemokine 11				6.75	7.24	NA
C-X-C motif chemokine 5				12.52	12.54	NA
C-X-C motif chemokine 6				9.26	9	NA
C-X-C motif chemokine 9				6.84	7.27	NA
Delta and Notch-like epidermal growth factor-related receptor				7.22	7.27	NA
Eukaryotic translation initiation factor 4E-binding protein 1				5.67	5.55	NA
Protein S100-A12				4.54	5.05	NA
Fibroblast growth factor 19				8.34	7.81	NA
Fibroblast growth factor 21				2.62	3.05	NA
Fibroblast growth factor 23				2.77	2.68	NA
Fibroblast growth factor 5				1.41	1.47	NA
Fms-related tyrosine kinase 3 ligand				8.89	8.84	NA
Glial cell line-derived neurotrophic factor				1.88	2.1	NA
Hepatocyte growth factor				7.87	7.9	NA
Interferon gamma	****	****	****	0.99	1.01	NA
Interleukin-10				3.76	4.07	NA
Interleukin-10 receptor subunit alpha				1.1	1.45	NA
Interleukin-10 receptor subunit beta				7.33	7.46	NA
Interleukin-12 subunit beta				4.68	4.88	NA
Interleukin-13	****	****	****	1.54	1.62	NA
Interleukin-15 receptor subunit alpha				1.14	1.21	NA
Interleukin-17A				0.69	0.83	NA
Interleukin-17C				1.8	1.64	NA
Interleukin-18				7.18	6.98	NA
Interleukin-18 receptor 1				7.63	7.5	NA
Interleukin-1 alpha				1.61	1.82	NA
Interleukin-2	****	****	****	1.22	1.23	NA
Interleukin-20	**			0.78	0.87	NA
Interleukin-20 receptor subunit alpha	**			0.9	0.99	NA
Interleukin-22 receptor subunit alpha-1	****	****	****	2.26	2.26	NA
Interleukin-24				1.61	1.38	NA
Interleukin-2 receptor subunit beta	****	****	****	0.85	0.9	NA
Interleukin-33	****	****	****	1.43	1.49	NA
Interleukin-4				1.38	1.25	NA
Interleukin-5	***	**	*	1.78	2.23	NA
Interleukin-6				2.63	2.81	NA
Interleukin-7				4.89	5.25	NA
Interleukin-8				7.65	7.51	NA
Leukemia inhibitory factor				0.86	0.95	NA
Leukemia inhibitory factor receptor				3.29	3.37	NA
Monocyte chemotactic protein 1				9.98	9.77	NA
Monocyte chemotactic protein 2				9.84	9.97	NA
Monocyte chemotactic protein 3	*			2.07	2.24	NA
Monocyte chemotactic protein 4				3.72	3.41	NA
Matrix metalloproteinase-1				6.73	6.98	NA
Matrix metalloproteinase-10				8.98	8.94	NA
Neurturin				1.43	1.21	NA
Neurotrophin-3				2.03	2.11	NA
Osteoprotegerin				9.67	9.71	NA
Oncostatin-M				4.67	4.8	NA
Programmed cell death 1 ligand 1				4.67	4.87	NA
Stem cell factor				8.88	9.15	NA
SIR2-like protein 2				3.06	2.89	NA
Signaling lymphocytic activation molecule				2.83	3.09	NA
Sulfotransferase 1A1				2.44	1.98	NA
STAM-binding protein				2.69	2.57	NA
Transforming growth factor alpha				3.59	3.9	NA
Latency-associated peptide transforming growth factor beta-1				7.9	8.01	NA
Tumor necrosis factor	**	*		0.84	0.89	NA
TNF-beta				3.48	4.02	NA
Tumor necrosis factor receptor superfamily member 9				6.34	6.72	NA
Tumor necrosis factor ligand superfamily member 14				4.58	4.71	NA
TNF-related apoptosis-inducing ligand				7.99	8.17	NA
TNF-related activation-induced cytokine				5.37	5.52	NA
Thymic stromal lymphopoietin	****	****	****	1.08	1.1	NA
Tumor necrosis factor				8.77	8.88	NA
Urokinase-type plasminogen activator				9.73	9.88	NA
Vascular endothelial growth factor A	*			10.02	10.22	NA

Table 13: Women table for biomarkers significance, disease Dorsalgia, unspecified

Protein	No correction	Benjamini	Bonferroni	Avg Disease	Avg Healthy	Image
Adenosine Deaminase	*			5.28	4.72	NA
Artemin				0.07	0.09	NA
Axin-1				1.02	1.09	NA
Brain-derived neurotrophic factor				5.92	3.88	NA
Beta-nerve growth factor				1.99	1.91	NA
Caspase-8				1.42	1.4	NA
Eotaxin				7.72	7.77	NA
C-C motif chemokine 19				9.86	9.41	NA
C-C motif chemokine 20				5.74	6.05	NA
C-C motif chemokine 23				9.29	9.35	NA
C-C motif chemokine 25				5.78	6.05	NA
C-C motif chemokine 28				1.18	1.33	NA
C-C motif chemokine 3				2.43	2.16	NA
C-C motif chemokine 4				6.57	6.42	NA
Natural killer cell receptor 2B4				6.42	6.31	NA
CD40L receptor				9.26	9.18	NA
T-cell surface glycoprotein CD5				4.13	4	NA
T cell surface glycoprotein CD6 isoform				3.76	3.58	NA
CUB domain-containing protein 1				2.8	2.38	NA
Macrophage colony-stimulating factor 1				8.07	7.9	NA
Cystatin D				6.42	6.76	NA
Fractalkine				6.64	6.5	NA
C-X-C motif chemokine 1				8.86	8.89	NA
C-X-C motif chemokine 10				10	9.58	NA
C-X-C motif chemokine 11				7.48	7.24	NA
C-X-C motif chemokine 5				12.71	12.54	NA
C-X-C motif chemokine 6				8.99	9	NA
C-X-C motif chemokine 9				7.42	7.27	NA
Delta and Notch-like epidermal growth factor-related receptor				7.24	7.27	NA
Eukaryotic translation initiation factor 4E-binding protein 1				4.31	5.55	NA
Protein S100-A12				4.61	5.05	NA
Fibroblast growth factor 19				8.41	7.81	NA
Fibroblast growth factor 21				3.76	3.05	NA
Fibroblast growth factor 23	***	**		2.22	2.68	NA
Fibroblast growth factor 5				1.35	1.47	NA
Fms-related tyrosine kinase 3 ligand				8.92	8.84	NA
Glial cell line-derived neurotrophic factor	*			1.77	2.1	NA
Hepatocyte growth factor				7.87	7.9	NA
Interferon gamma	****	****	****	0.99	1.01	NA
Interleukin-10				4.01	4.07	NA
Interleukin-10 receptor subunit alpha	*			1.03	1.45	NA
Interleukin-10 receptor subunit beta				7.53	7.46	NA
Interleukin-12 subunit beta				4.7	4.88	NA
Interleukin-13				1.67	1.62	NA
Interleukin-15 receptor subunit alpha				1.22	1.21	NA
Interleukin-17A				0.85	0.83	NA
Interleukin-17C				1.49	1.64	NA
Interleukin-18				7.33	6.98	NA
Interleukin-18 receptor 1				7.74	7.5	NA
Interleukin-1 alpha				1.55	1.82	NA
Interleukin-2	****	****	****	1.22	1.23	NA
Interleukin-20	*			0.78	0.87	NA
Interleukin-20 receptor subunit alpha				0.93	0.99	NA
Interleukin-22 receptor subunit alpha-1	****	****	****	2.26	2.26	NA
Interleukin-24	****	****	****	1.34	1.38	NA
Interleukin-2 receptor subunit beta				0.87	0.9	NA
Interleukin-33	****	****	****	1.43	1.49	NA
Interleukin-4				2.02	1.25	NA
Interleukin-5	****	****	****	1.71	2.23	NA
Interleukin-6				2.91	2.81	NA
Interleukin-7				5.19	5.25	NA
Interleukin-8				7.52	7.51	NA
Leukemia inhibitory factor	****	****	****	0.8	0.95	NA
Leukemia inhibitory factor receptor				3.22	3.37	NA
Monocyte chemotactic protein 1				9.99	9.77	NA
Monocyte chemotactic protein 2				9.64	9.97	NA
Monocyte chemotactic protein 3				2.49	2.24	NA
Monocyte chemotactic protein 4				3.51	3.41	NA
Matrix metalloproteinase-1				7.03	6.98	NA
Matrix metalloproteinase-10				8.76	8.94	NA
Neurturin	*			1.14	1.21	NA
Neurotrophin-3				2.04	2.11	NA
Osteoprotegerin				9.67	9.71	NA
Oncostatin-M				4.6	4.8	NA
Programmed cell death 1 ligand 1				4.87	4.87	NA
Stem cell factor				9.06	9.15	NA
SIR2-like protein 2				2.87	2.89	NA
Signaling lymphocytic activation molecule				2.98	3.09	NA
Sulfotransferase 1A1				2.47	1.98	NA
STAM-binding protein				2.46	2.57	NA
Transforming growth factor alpha				3.68	3.9	NA
Latency-associated peptide transforming growth factor beta-1				7.81	8.01	NA
Tumor necrosis factor	**	*		0.84	0.89	NA
TNF-beta	*			4.4	4.02	NA
Tumor necrosis factor receptor superfamily member 9				6.68	6.72	NA
Tumor necrosis factor ligand superfamily member 14				4.77	4.71	NA
TNF-related apoptosis-inducing ligand				8	8.17	NA
TNF-related activation-induced cytokine				5.3	5.52	NA
Thymic stromal lymphopoietin				1.14	1.1	NA
Tumor necrosis factor				8.81	8.88	NA
Urokinase-type plasminogen activator				9.86	9.88	NA
Vascular endothelial growth factor A				10.42	10.22	NA

Table 14: Women table for biomarkers significance, disease Anxiety

Protein	No correction	Benjamini	Bonferroni	Avg Disease	Avg Healthy	Image
Adenosine Deaminase				5.06	4.72	NA
Artemin				0.16	0.09	NA
Axin-1				1.85	1.09	NA
Brain-derived neurotrophic factor				4.67	3.88	NA
Beta-nerve growth factor				1.93	1.91	NA
Caspase-8				1.72	1.4	NA
Eotaxin				8.21	7.77	NA
C-C motif chemokine 19				10.02	9.41	NA
C-C motif chemokine 20				6.58	6.05	NA
C-C motif chemokine 23				9.57	9.35	NA
C-C motif chemokine 25				5.87	6.05	NA
C-C motif chemokine 28				1.51	1.33	NA
C-C motif chemokine 3				2.54	2.16	NA
C-C motif chemokine 4				6.38	6.42	NA
Natural killer cell receptor 2B4				6.27	6.31	NA
CD40L receptor				9.21	9.18	NA
T-cell surface glycoprotein CD5				3.8	4	NA
T cell surface glycoprotein CD6 isoform	***	**	*	3.02	3.58	NA
CUB domain-containing protein 1				2.69	2.38	NA
Macrophage colony-stimulating factor 1				8.05	7.9	NA
Cystatin D				6.4	6.76	NA
Fractalkine				6.4	6.5	NA
C-X-C motif chemokine 1				9.03	8.89	NA
C-X-C motif chemokine 10				9.53	9.58	NA
C-X-C motif chemokine 11				6.8	7.24	NA
C-X-C motif chemokine 5				12.55	12.54	NA
C-X-C motif chemokine 6				9.28	9	NA
C-X-C motif chemokine 9				6.9	7.27	NA
Delta and Notch-like epidermal growth factor-related receptor				7.25	7.27	NA
Eukaryotic translation initiation factor 4E-binding protein 1				6.26	5.55	NA
Protein S100-A12				5.87	5.05	NA
Fibroblast growth factor 19				7.43	7.81	NA
Fibroblast growth factor 21				4.16	3.05	NA
Fibroblast growth factor 23				2.77	2.68	NA
Fibroblast growth factor 5				1.22	1.47	NA
Fms-related tyrosine kinase 3 ligand				9.11	8.84	NA
Glial cell line-derived neurotrophic factor				2.11	2.1	NA
Hepatocyte growth factor				8.29	7.9	NA
Interferon gamma	****	****	****	0.99	1.01	NA
Interleukin-10				4.09	4.07	NA
Interleukin-10 receptor subunit alpha				1.88	1.45	NA
Interleukin-10 receptor subunit beta				7.59	7.46	NA
Interleukin-12 subunit beta				4.85	4.88	NA
Interleukin-13	****	****	****	1.54	1.62	NA
Interleukin-15 receptor subunit alpha				1.28	1.21	NA
Interleukin-17A				1.17	0.83	NA
Interleukin-17C				2.15	1.64	NA
Interleukin-18				7.39	6.98	NA
Interleukin-18 receptor 1				7.75	7.5	NA
Interleukin-1 alpha	****	****	****	1.8	1.82	NA
Interleukin-2	****	****	****	1.22	1.23	NA
Interleukin-20	****	****	****	0.81	0.87	NA
Interleukin-20 receptor subunit alpha				1.15	0.99	NA
Interleukin-22 receptor subunit alpha-1	****	****	****	2.26	2.26	NA
Interleukin-24	****	****	****	1.34	1.38	NA
Interleukin-2 receptor subunit beta	****	****	****	0.85	0.9	NA
Interleukin-33	****	****	****	1.43	1.49	NA
Interleukin-4				1.55	1.25	NA
Interleukin-5	****	****	****	1.65	2.23	NA
Interleukin-6				3.6	2.81	NA
Interleukin-7				5.24	5.25	NA
Interleukin-8				7.7	7.51	NA
Leukemia inhibitory factor	****	****	****	0.8	0.95	NA
Leukemia inhibitory factor receptor				3.94	3.37	NA
Monocyte chemotactic protein 1	**	*		10.27	9.77	NA
Monocyte chemotactic protein 2				10.15	9.97	NA
Monocyte chemotactic protein 3				2.69	2.24	NA
Monocyte chemotactic protein 4				4.47	3.41	NA
Matrix metalloproteinase-1				7.16	6.98	NA
Matrix metalloproteinase-10				9.01	8.94	NA
Neurturin	**	*		1.13	1.21	NA
Neurotrophin-3				2.05	2.11	NA
Osteoprotegerin				10.23	9.71	NA
Oncostatin-M				5.28	4.8	NA
Programmed cell death 1 ligand 1				4.69	4.87	NA
Stem cell factor				9.17	9.15	NA
SIR2-like protein 2				3.69	2.89	NA
Signaling lymphocytic activation molecule				3.28	3.09	NA
Sulfotransferase 1A1				2.86	1.98	NA
STAM-binding protein				3.03	2.57	NA
Transforming growth factor alpha				4.01	3.9	NA
Latency-associated peptide transforming growth factor beta-1				8.05	8.01	NA
Tumor necrosis factor	****	****	****	0.84	0.89	NA
TNF-beta				4.06	4.02	NA
Tumor necrosis factor receptor superfamily member 9				6.71	6.72	NA
Tumor necrosis factor ligand superfamily member 14				5.29	4.71	NA
TNF-related apoptosis-inducing ligand				8.26	8.17	NA
TNF-related activation-induced cytokine				5.25	5.52	NA
Thymic stromal lymphopoietin	****	****	****	1.08	1.1	NA
Tumor necrosis factor				9.08	8.88	NA
Urokinase-type plasminogen activator				9.95	9.88	NA
Vascular endothelial growth factor A				10.2	10.22	NA

Table 15: Women table for biomarkers significance, disease Epilepsy, unspecified, not intractable, without status epilepticus

Protein	No correction	Benjamini	Bonferroni	Avg Disease	Avg Healthy	Image
Adenosine Deaminase				4.65	4.72	NA
Artemin				0.52	0.09	NA
Axin-1				1.08	1.09	NA
Brain-derived neurotrophic factor				4.71	3.88	NA
Beta-nerve growth factor				1.82	1.91	NA
Caspase-8				1.06	1.4	NA
Eotaxin				7.79	7.77	NA
C-C motif chemokine 19				9.24	9.41	NA
C-C motif chemokine 20				5.86	6.05	NA
C-C motif chemokine 23				9.58	9.35	NA
C-C motif chemokine 25				5.81	6.05	NA
C-C motif chemokine 28				1.07	1.33	NA
C-C motif chemokine 3				2.02	2.16	NA
C-C motif chemokine 4				6.56	6.42	NA
Natural killer cell receptor 2B4				6.1	6.31	NA
CD40L receptor				9.13	9.18	NA
T-cell surface glycoprotein CD5				3.94	4	NA
T cell surface glycoprotein CD6 isoform	*			3.87	3.58	NA
CUB domain-containing protein 1				2.36	2.38	NA
Macrophage colony-stimulating factor 1				7.84	7.9	NA
Cystatin D				6.66	6.76	NA
Fractalkine				6.39	6.5	NA
C-X-C motif chemokine 1				9.12	8.89	NA
C-X-C motif chemokine 10				9.7	9.58	NA
C-X-C motif chemokine 11				7.52	7.24	NA
C-X-C motif chemokine 5				12.74	12.54	NA
C-X-C motif chemokine 6				9.28	9	NA
C-X-C motif chemokine 9				7.44	7.27	NA
Delta and Notch-like epidermal growth factor-related receptor				6.97	7.27	NA
Eukaryotic translation initiation factor 4E-binding protein 1				4.96	5.55	NA
Protein S100-A12				4.53	5.05	NA
Fibroblast growth factor 19				8.36	7.81	NA
Fibroblast growth factor 21				3.53	3.05	NA
Fibroblast growth factor 23				2.16	2.68	NA
Fibroblast growth factor 5				1.68	1.47	NA
Fms-related tyrosine kinase 3 ligand				8.8	8.84	NA
Glial cell line-derived neurotrophic factor				1.89	2.1	NA
Hepatocyte growth factor				7.72	7.9	NA
Interferon gamma	****	****	****	0.99	1.01	NA
Interleukin-10				3.84	4.07	NA
Interleukin-10 receptor subunit alpha	**	*		0.93	1.45	NA
Interleukin-10 receptor subunit beta				7.28	7.46	NA
Interleukin-12 subunit beta				4.82	4.88	NA
Interleukin-13				2.42	1.62	NA
Interleukin-15 receptor subunit alpha				1.15	1.21	NA
Interleukin-17A				0.82	0.83	NA
Interleukin-17C				1.64	1.64	NA
Interleukin-18				7.11	6.98	NA
Interleukin-18 receptor 1				7.59	7.5	NA
Interleukin-1 alpha				1.54	1.82	NA
Interleukin-2	****	****	****	1.22	1.23	NA
Interleukin-20				0.79	0.87	NA
Interleukin-20 receptor subunit alpha	***	**	*	0.88	0.99	NA
Interleukin-22 receptor subunit alpha-1	****	****	****	2.26	2.26	NA
Interleukin-24				1.35	1.38	NA
Interleukin-2 receptor subunit beta	****	****	****	0.85	0.9	NA
Interleukin-33	****	****	****	1.43	1.49	NA
Interleukin-4				2.47	1.25	NA
Interleukin-5				3.12	2.23	NA
Interleukin-6				2.71	2.81	NA
Interleukin-7				5.26	5.25	NA
Interleukin-8				7.62	7.51	NA
Leukemia inhibitory factor	****	****	****	0.8	0.95	NA
Leukemia inhibitory factor receptor				3.2	3.37	NA
Monocyte chemotactic protein 1				10.03	9.77	NA
Monocyte chemotactic protein 2				9.12	9.97	NA
Monocyte chemotactic protein 3				2.28	2.24	NA
Monocyte chemotactic protein 4				3.71	3.41	NA
Matrix metalloproteinase-1				6.5	6.98	NA
Matrix metalloproteinase-10				9.05	8.94	NA
Neurturin	****	****	****	1.12	1.21	NA
Neurotrophin-3				1.84	2.11	NA
Osteoprotegerin				9.6	9.71	NA
Oncostatin-M				4.63	4.8	NA
Programmed cell death 1 ligand 1				4.86	4.87	NA
Stem cell factor				9.15	9.15	NA
SIR2-like protein 2				2.74	2.89	NA
Signaling lymphocytic activation molecule				2.74	3.09	NA
Sulfotransferase 1A1				1.77	1.98	NA
STAM-binding protein				2.41	2.57	NA
Transforming growth factor alpha				3.82	3.9	NA
Latency-associated peptide transforming growth factor beta-1				7.95	8.01	NA
Tumor necrosis factor	**	*		0.84	0.89	NA
TNF-beta				3.87	4.02	NA
Tumor necrosis factor receptor superfamily member 9				6.55	6.72	NA
Tumor necrosis factor ligand superfamily member 14				4.74	4.71	NA
TNF-related apoptosis-inducing ligand				8.02	8.17	NA
TNF-related activation-induced cytokine	****	****	***	5.23	5.52	NA
Thymic stromal lymphopoietin	****	****	****	1.08	1.1	NA
Tumor necrosis factor				8.81	8.88	NA
Urokinase-type plasminogen activator				9.61	9.88	NA
Vascular endothelial growth factor A				10.41	10.22	NA

Table 16: Women table for biomarkers significance, disease Tension headache (TTH)

Protein	No correction	Benjamini	Bonferroni	Avg Disease	Avg Healthy	Image
Adenosine Deaminase				5	4.72	NA
Artemin				0.05	0.09	NA
Axin-1	*			1.3	1.09	NA
Brain-derived neurotrophic factor				3.07	3.88	NA
Beta-nerve growth factor				2.56	1.91	NA
Caspase-8				1.14	1.4	NA
Eotaxin				7.85	7.77	NA
C-C motif chemokine 19				9.05	9.41	NA
C-C motif chemokine 20				7.52	6.05	NA
C-C motif chemokine 23				9.66	9.35	NA
C-C motif chemokine 25				6.39	6.05	NA
C-C motif chemokine 28				1.1	1.33	NA
C-C motif chemokine 3				2.09	2.16	NA
C-C motif chemokine 4				6.68	6.42	NA
Natural killer cell receptor 2B4				6.21	6.31	NA
CD40L receptor				9.08	9.18	NA
T-cell surface glycoprotein CD5				3.99	4	NA
T cell surface glycoprotein CD6 isoform				3.84	3.58	NA
CUB domain-containing protein 1				2.53	2.38	NA
Macrophage colony-stimulating factor 1				7.78	7.9	NA
Cystatin D				6.97	6.76	NA
Fractalkine				6.48	6.5	NA
C-X-C motif chemokine 1				8.9	8.89	NA
C-X-C motif chemokine 10				9.06	9.58	NA
C-X-C motif chemokine 11				6.81	7.24	NA
C-X-C motif chemokine 5				12.83	12.54	NA
C-X-C motif chemokine 6				9.42	9	NA
C-X-C motif chemokine 9				7.03	7.27	NA
Delta and Notch-like epidermal growth factor-related receptor				7.34	7.27	NA
Eukaryotic translation initiation factor 4E-binding protein 1				5.76	5.55	NA
Protein S100-A12				5.5	5.05	NA
Fibroblast growth factor 19				8.58	7.81	NA
Fibroblast growth factor 21				3.38	3.05	NA
Fibroblast growth factor 23				2.7	2.68	NA
Fibroblast growth factor 5				1.61	1.47	NA
Fms-related tyrosine kinase 3 ligand				8.88	8.84	NA
Glial cell line-derived neurotrophic factor				2.28	2.1	NA
Hepatocyte growth factor				8.03	7.9	NA
Interferon gamma	****	****	****	0.99	1.01	NA
Interleukin-10				4.09	4.07	NA
Interleukin-10 receptor subunit alpha				1.07	1.45	NA
Interleukin-10 receptor subunit beta				7.36	7.46	NA
Interleukin-12 subunit beta				4.72	4.88	NA
Interleukin-13	****	****	****	1.54	1.62	NA
Interleukin-15 receptor subunit alpha				1.12	1.21	NA
Interleukin-17A				0.72	0.83	NA
Interleukin-17C				1.85	1.64	NA
Interleukin-18				7.41	6.98	NA
Interleukin-18 receptor 1				7.64	7.5	NA
Interleukin-1 alpha	****	****	****	1.8	1.82	NA
Interleukin-2	****	****	****	1.22	1.23	NA
Interleukin-20	****	****	****	0.81	0.87	NA
Interleukin-20 receptor subunit alpha				0.92	0.99	NA
Interleukin-22 receptor subunit alpha-1	****	****	****	2.26	2.26	NA
Interleukin-24				1.55	1.38	NA
Interleukin-2 receptor subunit beta	****	****	****	0.85	0.9	NA
Interleukin-33	****	****	****	1.43	1.49	NA
Interleukin-4				2.01	1.25	NA
Interleukin-5				2.22	2.23	NA
Interleukin-6				3	2.81	NA
Interleukin-7				5.31	5.25	NA
Interleukin-8				7.61	7.51	NA
Leukemia inhibitory factor				0.94	0.95	NA
Leukemia inhibitory factor receptor				3.32	3.37	NA
Monocyte chemotactic protein 1				10.17	9.77	NA
Monocyte chemotactic protein 2				9.78	9.97	NA
Monocyte chemotactic protein 3				2.36	2.24	NA
Monocyte chemotactic protein 4				4.04	3.41	NA
Matrix metalloproteinase-1				6.88	6.98	NA
Matrix metalloproteinase-10				9.26	8.94	NA
Neurturin	****	****	****	1.12	1.21	NA
Neurotrophin-3				2.05	2.11	NA
Osteoprotegerin				9.85	9.71	NA
Oncostatin-M				5	4.8	NA
Programmed cell death 1 ligand 1				5.08	4.87	NA
Stem cell factor				8.97	9.15	NA
SIR2-like protein 2				3.05	2.89	NA
Signaling lymphocytic activation molecule				2.98	3.09	NA
Sulfotransferase 1A1				2.49	1.98	NA
STAM-binding protein				2.72	2.57	NA
Transforming growth factor alpha				4.05	3.9	NA
Latency-associated peptide transforming growth factor beta-1				8.26	8.01	NA
Tumor necrosis factor				0.86	0.89	NA
TNF-beta				3.67	4.02	NA
Tumor necrosis factor receptor superfamily member 9				6.67	6.72	NA
Tumor necrosis factor ligand superfamily member 14				4.87	4.71	NA
TNF-related apoptosis-inducing ligand				8.26	8.17	NA
TNF-related activation-induced cytokine	****	****	***	5.89	5.52	NA
Thymic stromal lymphopoietin	****	****	****	1.08	1.1	NA
Tumor necrosis factor				8.98	8.88	NA
Urokinase-type plasminogen activator				9.87	9.88	NA
Vascular endothelial growth factor A				10.3	10.22	NA

Table 17: Women table for biomarkers significance, disease Scoliosis

Protein	No correction	Benjamini	Bonferroni	Avg Disease	Avg Healthy	Image
Adenosine Deaminase				4.62	4.72	NA
Artemin	****	****	****	0.03	0.09	NA
Axin-1				0.92	1.09	NA
Brain-derived neurotrophic factor				6.53	3.88	NA
Beta-nerve growth factor				1.65	1.91	NA
Caspase-8				1.17	1.4	NA
Eotaxin				7.75	7.77	NA
C-C motif chemokine 19				8.96	9.41	NA
C-C motif chemokine 20				5.88	6.05	NA
C-C motif chemokine 23				9.04	9.35	NA
C-C motif chemokine 25				5.71	6.05	NA
C-C motif chemokine 28				1.23	1.33	NA
C-C motif chemokine 3				2.32	2.16	NA
C-C motif chemokine 4				6.32	6.42	NA
Natural killer cell receptor 2B4				6.09	6.31	NA
CD40L receptor				9.13	9.18	NA
T-cell surface glycoprotein CD5				3.72	4	NA
T cell surface glycoprotein CD6 isoform				3.26	3.58	NA
CUB domain-containing protein 1				3.01	2.38	NA
Macrophage colony-stimulating factor 1				7.86	7.9	NA
Cystatin D				6.35	6.76	NA
Fractalkine	****	****	****	6.31	6.5	NA
C-X-C motif chemokine 1	*			8.7	8.89	NA
C-X-C motif chemokine 10				9.26	9.58	NA
C-X-C motif chemokine 11				7.24	7.24	NA
C-X-C motif chemokine 5				12.66	12.54	NA
C-X-C motif chemokine 6				8.89	9	NA
C-X-C motif chemokine 9				7.14	7.27	NA
Delta and Notch-like epidermal growth factor-related receptor				7.04	7.27	NA
Eukaryotic translation initiation factor 4E-binding protein 1				4.41	5.55	NA
Protein S100-A12				4.73	5.05	NA
Fibroblast growth factor 19				7.91	7.81	NA
Fibroblast growth factor 21				3.19	3.05	NA
Fibroblast growth factor 23				2.1	2.68	NA
Fibroblast growth factor 5				1.45	1.47	NA
Fms-related tyrosine kinase 3 ligand				9.32	8.84	NA
Glial cell line-derived neurotrophic factor				1.71	2.1	NA
Hepatocyte growth factor				7.74	7.9	NA
Interferon gamma	****	****	****	0.99	1.01	NA
Interleukin-10				3.81	4.07	NA
Interleukin-10 receptor subunit alpha	*			0.83	1.45	NA
Interleukin-10 receptor subunit beta				7.25	7.46	NA
Interleukin-12 subunit beta				4.2	4.88	NA
Interleukin-13				1.59	1.62	NA
Interleukin-15 receptor subunit alpha	**	*		1.04	1.21	NA
Interleukin-17A				0.8	0.83	NA
Interleukin-17C				1.57	1.64	NA
Interleukin-18				6.87	6.98	NA
Interleukin-18 receptor 1				7.82	7.5	NA
Interleukin-1 alpha				1.54	1.82	NA
Interleukin-2	****	****	****	1.22	1.23	NA
Interleukin-20				0.79	0.87	NA
Interleukin-20 receptor subunit alpha	***	**	*	0.88	0.99	NA
Interleukin-22 receptor subunit alpha-1	****	****	****	2.26	2.26	NA
Interleukin-24	****	****	****	1.34	1.38	NA
Interleukin-2 receptor subunit beta	****	****	****	0.85	0.9	NA
Interleukin-33	****	****	****	1.43	1.49	NA
Interleukin-4				2.15	1.25	NA
Interleukin-5	****	****	****	1.71	2.23	NA
Interleukin-6				2.49	2.81	NA
Interleukin-7				5.23	5.25	NA
Interleukin-8				7.67	7.51	NA
Leukemia inhibitory factor	****	****	****	0.8	0.95	NA
Leukemia inhibitory factor receptor				3.05	3.37	NA
Monocyte chemotactic protein 1				9.9	9.77	NA
Monocyte chemotactic protein 2				9.75	9.97	NA
Monocyte chemotactic protein 3				2.39	2.24	NA
Monocyte chemotactic protein 4				3.54	3.41	NA
Matrix metalloproteinase-1				7.13	6.98	NA
Matrix metalloproteinase-10				8.78	8.94	NA
Neurturin	****	****	****	1.12	1.21	NA
Neurotrophin-3				1.85	2.11	NA
Osteoprotegerin				9.76	9.71	NA
Oncostatin-M				4.87	4.8	NA
Programmed cell death 1 ligand 1				4.71	4.87	NA
Stem cell factor				8.71	9.15	NA
SIR2-like protein 2				2.67	2.89	NA
Signaling lymphocytic activation molecule				2.92	3.09	NA
Sulfotransferase 1A1				2.2	1.98	NA
STAM-binding protein				2.44	2.57	NA
Transforming growth factor alpha				3.79	3.9	NA
Latency-associated peptide transforming growth factor beta-1				7.72	8.01	NA
Tumor necrosis factor	**	*		0.84	0.89	NA
TNF-beta				4.23	4.02	NA
Tumor necrosis factor receptor superfamily member 9				6.3	6.72	NA
Tumor necrosis factor ligand superfamily member 14				4.82	4.71	NA
TNF-related apoptosis-inducing ligand				7.77	8.17	NA
TNF-related activation-induced cytokine				4.87	5.52	NA
Thymic stromal lymphopoietin	****	****	****	1.08	1.1	NA
Tumor necrosis factor				8.61	8.88	NA
Urokinase-type plasminogen activator				9.79	9.88	NA
Vascular endothelial growth factor A				10.28	10.22	NA

Table 18: Women table for biomarkers significance, disease Imnsonia

Protein	Paracetamol	Ibux 200 mg	Zytec	Venolin	Cerizin	Symbicort	Ibux 400 mg	Seretide	Roaccutan	Concerta
Adenosine Deaminase										
Artemin				**			****	*****		****
Axin-1										
Brain-derived neurotrophic factor										
Beta-nerve growth factor										
Caspase-8										
Eotaxin										
C-C motif chemokine 19										
C-C motif chemokine 20										
C-C motif chemokine 23										
C-C motif chemokine 25										
C-C motif chemokine 28										
C-C motif chemokine 3										****
C-C motif chemokine 4										
Natural killer cell receptor 2B4										
CD40L receptor										
T-cell surface glycoprotein CD5										
T cell surface glycoprotein CD6 isoform										
CUB domain-containing protein 1										
Macrophage colony-stimulating factor 1										
Cystatin D										
Fractalkine										
C-X-C motif chemokine 1										
C-X-C motif chemokine 10										
C-X-C motif chemokine 11										
C-X-C motif chemokine 5										
C-X-C motif chemokine 6										
C-X-C motif chemokine 9										
Delta and Notch-like epidermal growth factor-related receptor										
Eukaryotic translation initiation factor 4E-binding protein 1										
Protein S100-A12										
Fibroblast growth factor 19										
Fibroblast growth factor 21									*	
Fibroblast growth factor 23										
Fibroblast growth factor 5										
Fms-related tyrosine kinase 3 ligand										
Glial cell line-derived neurotrophic factor										
Hepatocyte growth factor										
Interferon gamma				****		****	****	****		****
Interleukin-10										
Interleukin-10 receptor subunit alpha								**		
Interleukin-10 receptor subunit beta										
Interleukin-12 subunit beta										
Interleukin-13							****	****	****	****
Interleukin-15 receptor subunit alpha										
Interleukin-17A										
Interleukin-17C										
Interleukin-18										
Interleukin-18 receptor 1										
Interleukin-1 alpha							****			****
Interleukin-2	****	****	****	****	****	****	****	****	****	****
Interleukin-20										****
Interleukin-20 receptor subunit alpha			*					**		****
Interleukin-22 receptor subunit alpha-1	****	****	****	****	****	****	****	****	****	****
Interleukin-24			*							****
Interleukin-2 receptor subunit beta			****		****	****	****		****	****
Interleukin-33			****	****		****		****	****	
Interleukin-4		*						****	****	
Interleukin-5										
Interleukin-6										
Interleukin-7										
Interleukin-8										
Leukemia inhibitory factor		***		**	**					****
Leukemia inhibitory factor receptor										
Monocyte chemotactic protein 1										
Monocyte chemotactic protein 2		*								
Monocyte chemotactic protein 3										
Monocyte chemotactic protein 4										
Matrix metalloproteinase-1										
Matrix metalloproteinase-10										
Neurturin			**			****		****		****
Neurotrophin-3										
Osteoprotegerin										
Oncostatin-M										
Programmed cell death 1 ligand 1										
Stem cell factor										
SIR2-like protein 2										
Signaling lymphocytic activation molecule										
Sulfotransferase 1A1										
STAM-binding protein										
Transforming growth factor alpha										
Latency-associated peptide transforming growth factor beta-1										
Tumor necrosis factor							****			****
TNF-beta										
Tumor necrosis factor receptor superfamily member 9										
Tumor necrosis factor ligand superfamily member 14										
TNF-related apoptosis-inducing ligand										
TNF-related activation-induced cytokine										
Thymic stromal lymphopoietin			****	****		****		****	****	****
Tumor necrosis factor										
Urokinase-type plasminogen activator										
Vascular endothelial growth factor A										

Table 19: Significant biomarkers for medicines and men, adjusted for Bonferroni

Protein	Paracetamol	Microgynon	Ibux 200 mg	Loette	Ventolin	Zynec	Ibux 400 mg	Cerizin	Mercilon	Yamin	Cerazette	Imigran	Yasminelle	Fluide	Symbicort	Livostin	Ibux 600 mg	Depo-provera	Brianyl
Adenosine Deaminase																			
Artemin									****	****			****		****		****		****
Axin-1																			
Brain-derived neurotrophic factor				*															
Beta-nerve growth factor																			
Caspase-8																			
Eotaxin		****						*											
C-C motif chemokine 19																			
C-C motif chemokine 20																			
C-C motif chemokine 23				***															
C-C motif chemokine 25																			
C-C motif chemokine 28																			
C-C motif chemokine 3																			
C-C motif chemokine 4																			
Natural killer cell receptor 2B4																			
CD40L receptor																			
T-cell surface glycoprotein CD5																			
T cell surface glycoprotein CD6 isoform		*																	
CUB domain-containing protein 1																			
Macrophage colony-stimulating factor 1		****																	
Cystatin D																			
Fractalkine																			
C-X-C motif chemokine 1																			
C-X-C motif chemokine 10																			
C-X-C motif chemokine 11																			
C-X-C motif chemokine 5																			
C-X-C motif chemokine 6		**																	
C-X-C motif chemokine 9																			
Delta and Notch-like epidermal growth factor-related receptor																			
Eukaryotic translation initiation factor 4E-binding protein 1		*																	
Protein S100-A12																			
Fibroblast growth factor 19		***																	
Fibroblast growth factor 21																			
Fibroblast growth factor 23				***	**				**					***					
Fibroblast growth factor 5		*																	
Fms-related tyrosine kinase 3 ligand																			
Glial cell line-derived neurotrophic factor	**	****		****				*	*	***			**						
Hepatocyte growth factor																			
Interferon gamma				****				****	****	****	****	****	****			****	****	****	****
Interleukin-10																			
Interleukin-10 receptor subunit alpha																			
Interleukin-10 receptor subunit beta																			
Interleukin-12 subunit beta																			
Interleukin-13									****	****		****	****			****		****	****
Interleukin-15 receptor subunit alpha																			
Interleukin-17A																			
Interleukin-17C																			
Interleukin-18																			
Interleukin-18 receptor 1		*																	
Interleukin-1 alpha																****			
Interleukin-2	****		****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
Interleukin-20																****			
Interleukin-20 receptor subunit alpha													*					*	
Interleukin-22 receptor subunit alpha-1		***	***	***	***	***		***	***	***	***	***	***	***	***	***	***	***	***
Interleukin-24				***					***	***	***	***	***	***	***	***	***	***	***
Interleukin-2 receptor subunit beta									***			***	***	***	***	***	***	***	***
Interleukin-33					***				***	***			***	***	***	***	***	***	***
Interleukin-4											**								
Interleukin-5				*															
Interleukin-6																			
Interleukin-7																			
Interleukin-8																			
Leukemia inhibitory factor										****			****			****			****
Leukemia inhibitory factor receptor		****		**															
Monocyte chemotactic protein 1																			
Monocyte chemotactic protein 2																			
Monocyte chemotactic protein 3																			
Monocyte chemotactic protein 4		***																	
Matrix metalloproteinase-1																			
Matrix metalloproteinase-10																			
Neurturin										****		****	****				****		
Neurotrophin-3																			
Osteoprotegerin																			
Oncostatin-M																			
Programmed cell death 1 ligand 1																			
Stem cell factor	*	****		**															
SIR2-like protein 2																			
Signaling lymphocytic activation molecule																			*
Sulfotransferase 1A1																			
STAM-binding protein																			
Transforming growth factor alpha																			
Latency-associated peptide transforming growth factor beta-1																**			
Tumor necrosis factor																			
TNF-beta																			
Tumor necrosis factor receptor superfamily member 9																			
Tumor necrosis factor ligand superfamily member 14																			
TNF-related apoptosis-inducing ligand	**			**															
TNF-related activation-induced cytokine	*																		
Thymic stromal lymphopoietin						****	****	****	****	****					****	****	****	****	****
Tumor necrosis factor	****																		
Urokinase-type plasminogen activator	****			**															
Vascular endothelial growth factor A	*																		

Table 20: Significant biomarkers for medicines and women, adjusted for Bonferroni

Protein	No correction	Benjamini	Bonferroni	Avg Medicated	Avg Healthy	Image
Adenosine Deaminase				4.72	4.74	NA
Artemin				0.15	0.08	NA
Axin-1	**			1	1.12	NA
Brain-derived neurotrophic factor				4.11	4.11	NA
Beta-nerve growth factor				1.94	1.89	NA
Caspase-8				1.31	1.4	NA
Eotaxin	*			7.72	7.85	NA
C-C motif chemokine 19				9.44	9.42	NA
C-C motif chemokine 20				6.07	6.05	NA
C-C motif chemokine 23				9.39	9.31	NA
C-C motif chemokine 25				6.09	6.07	NA
C-C motif chemokine 28				1.2	1.27	NA
C-C motif chemokine 3				2.17	2.2	NA
C-C motif chemokine 4				6.48	6.47	NA
Natural killer cell receptor 2B4				6.33	6.33	NA
CD40L receptor				9.21	9.17	NA
T-cell surface glycoprotein CD5				4.02	4	NA
T cell surface glycoprotein CD6 isoform				3.62	3.64	NA
CUB domain-containing protein 1				2.42	2.43	NA
Macrophage colony-stimulating factor 1	*			7.93	7.86	NA
Cystatin D				6.77	6.77	NA
Fractalkine				6.49	6.52	NA
C-X-C motif chemokine 1				8.83	8.9	NA
C-X-C motif chemokine 10				9.68	9.6	NA
C-X-C motif chemokine 11				7.26	7.3	NA
C-X-C motif chemokine 5				12.56	12.58	NA
C-X-C motif chemokine 6	*			8.98	9.16	NA
C-X-C motif chemokine 9				7.37	7.21	NA
Delta and Notch-like epidermal growth factor-related receptor				7.27	7.29	NA
Eukaryotic translation initiation factor 4E-binding protein 1	*			5.41	5.68	NA
Protein S100-A12				5.08	5.1	NA
Fibroblast growth factor 19				7.82	8.01	NA
Fibroblast growth factor 21				3.12	3.14	NA
Fibroblast growth factor 23				2.58	2.72	NA
Fibroblast growth factor 5				1.44	1.49	NA
Fms-related tyrosine kinase 3 ligand				8.84	8.81	NA
Glial cell line-derived neurotrophic factor	****	**	**	2.01	2.21	NA
Hepatocyte growth factor				7.91	7.93	NA
Interferon gamma				1.02	1.02	NA
Interleukin-10				4.17	4.08	NA
Interleukin-10 receptor subunit alpha				1.45	1.39	NA
Interleukin-10 receptor subunit beta				7.5	7.44	NA
Interleukin-12 subunit beta				4.91	4.84	NA
Interleukin-13				1.65	1.63	NA
Interleukin-15 receptor subunit alpha				1.22	1.24	NA
Interleukin-17A				0.8	0.84	NA
Interleukin-17C				1.66	1.65	NA
Interleukin-18	*			7.12	6.96	NA
Interleukin-18 receptor 1	*			7.6	7.46	NA
Interleukin-1 alpha				1.96	1.84	NA
Interleukin-2	****	****	****	1.22	1.23	NA
Interleukin-20				0.88	0.87	NA
Interleukin-20 receptor subunit alpha				1	0.99	NA
Interleukin-22 receptor subunit alpha-1				2.3	2.26	NA
Interleukin-24				1.38	1.41	NA
Interleukin-2 receptor subunit beta				0.9	0.9	NA
Interleukin-33				1.44	1.5	NA
Interleukin-4				1.28	1.19	NA
Interleukin-5				2.27	2.15	NA
Interleukin-6				2.91	2.88	NA
Interleukin-7				5.27	5.22	NA
Interleukin-8				7.57	7.52	NA
Leukemia inhibitory factor				0.93	0.92	NA
Leukemia inhibitory factor receptor	**			3.36	3.46	NA
Monocyte chemotactic protein 1				9.78	9.81	NA
Monocyte chemotactic protein 2				10.09	10.06	NA
Monocyte chemotactic protein 3				2.26	2.33	NA
Monocyte chemotactic protein 4	*			3.36	3.55	NA
Matrix metalloproteinase-1				6.91	6.96	NA
Matrix metalloproteinase-10				9.05	8.96	NA
Neurturin				1.23	1.24	NA
Neurotrophin-3				2.22	2.1	NA
Osteoprotegerin	*			9.79	9.69	NA
Oncostatin-M				4.8	4.76	NA
Programmed cell death 1 ligand 1				4.91	4.85	NA
Stem cell factor	***	**	*	9.06	9.26	NA
SIR2-like protein 2				2.8	2.93	NA
Signaling lymphocytic activation molecule				3.09	3.1	NA
Sulfotransferase 1A1	*			1.85	2.07	NA
STAM-binding protein	**			2.49	2.63	NA
Transforming growth factor alpha				3.89	3.87	NA
Latency-associated peptide transforming growth factor beta-1				8.02	8.01	NA
Tumor necrosis factor				0.88	0.89	NA
TNF-beta				4.01	4	NA
Tumor necrosis factor receptor superfamily member 9				6.7	6.69	NA
Tumor necrosis factor ligand superfamily member 14				4.7	4.69	NA
TNF-related apoptosis-inducing ligand				8.22	8.24	NA
TNF-related activation-induced cytokine	*			5.42	5.65	NA
Thymic stromal lymphopoietin				1.09	1.1	NA
Tumor necrosis factor	**	*		8.82	8.96	NA
Urokinase-type plasminogen activator	*			9.85	9.96	NA
Vascular endothelial growth factor A	**			10.31	10.14	NA

Table 21: Women table for biomarkers significance, medicine Paracetamol

Protein	No correction	Benjamini	Bonferroni	Avg Medicated	Avg Healthy	Image
Adenosine Deaminase				4.7	4.74	NA
Artemin				0.16	0.08	NA
Axin-1				1.1	1.12	NA
Brain-derived neurotrophic factor				3.89	4.11	NA
Beta-nerve growth factor	***	**		2.05	1.89	NA
Caspase-8				1.44	1.4	NA
Eotaxin	****	****	****	7.57	7.85	NA
C-C motif chemokine 19				9.33	9.42	NA
C-C motif chemokine 20				6.03	6.05	NA
C-C motif chemokine 23	**	*		9.53	9.31	NA
C-C motif chemokine 25				5.92	6.07	NA
C-C motif chemokine 28	*	*		1.47	1.27	NA
C-C motif chemokine 3				2.31	2.2	NA
C-C motif chemokine 4				6.45	6.47	NA
Natural killer cell receptor 2B4				6.28	6.33	NA
CD40L receptor				9.22	9.17	NA
T-cell surface glycoprotein CD5				3.94	4	NA
T cell surface glycoprotein CD6 isoform	***	**	*	3.39	3.64	NA
CUB domain-containing protein 1				2.38	2.43	NA
Macrophage colony-stimulating factor 1	****	****	****	8.03	7.86	NA
Cystatin D				6.73	6.77	NA
Fractalkine				6.51	6.52	NA
C-X-C motif chemokine 1				8.94	8.9	NA
C-X-C motif chemokine 10				9.73	9.6	NA
C-X-C motif chemokine 11				7.33	7.3	NA
C-X-C motif chemokine 5				12.5	12.58	NA
C-X-C motif chemokine 6	****	***	**	8.82	9.16	NA
C-X-C motif chemokine 9	*			7.42	7.21	NA
Delta and Notch-like epidermal growth factor-related receptor	**	*		7.22	7.29	NA
Eukaryotic translation initiation factor 4E-binding protein 1	***	***	*	5.16	5.68	NA
Protein S100-A12				5.06	5.1	NA
Fibroblast growth factor 19	****	****	***	7.39	8.01	NA
Fibroblast growth factor 21				3.29	3.14	NA
Fibroblast growth factor 23				2.57	2.72	NA
Fibroblast growth factor 5	***	**	*	1.33	1.49	NA
Fms-related tyrosine kinase 3 ligand				8.86	8.81	NA
Glial cell line-derived neurotrophic factor	****	****	****	1.84	2.21	NA
Hepatocyte growth factor				7.99	7.93	NA
Interferon gamma				1	1.02	NA
Interleukin-10				4.17	4.08	NA
Interleukin-10 receptor subunit alpha				1.48	1.39	NA
Interleukin-10 receptor subunit beta				7.5	7.44	NA
Interleukin-12 subunit beta				4.88	4.84	NA
Interleukin-13				1.73	1.63	NA
Interleukin-15 receptor subunit alpha	*			1.17	1.24	NA
Interleukin-17A				0.88	0.84	NA
Interleukin-17C				1.61	1.65	NA
Interleukin-18				7.07	6.96	NA
Interleukin-18 receptor 1	***	**	*	7.68	7.46	NA
Interleukin-1 alpha				1.74	1.84	NA
Interleukin-2				1.22	1.23	NA
Interleukin-20				0.82	0.87	NA
Interleukin-20 receptor subunit alpha				0.95	0.99	NA
Interleukin-22 receptor subunit alpha-1	****	****	****	2.26	2.26	NA
Interleukin-24				1.4	1.41	NA
Interleukin-2 receptor subunit beta				0.87	0.9	NA
Interleukin-33				1.43	1.5	NA
Interleukin-4				1.22	1.19	NA
Interleukin-5				2.19	2.15	NA
Interleukin-6				2.92	2.88	NA
Interleukin-7				5.22	5.22	NA
Interleukin-8				7.54	7.52	NA
Leukemia inhibitory factor				0.86	0.92	NA
Leukemia inhibitory factor receptor	****	****	****	3.22	3.46	NA
Monocyte chemotactic protein 1				9.84	9.81	NA
Monocyte chemotactic protein 2				9.97	10.06	NA
Monocyte chemotactic protein 3				2.2	2.33	NA
Monocyte chemotactic protein 4	****	****	***	3.16	3.55	NA
Matrix metalloproteinase-1				6.92	6.96	NA
Matrix metalloproteinase-10				8.96	8.96	NA
Neurturin	**	*		1.15	1.24	NA
Neurotrophin-3				2.11	2.1	NA
Osteoprotegerin				9.73	9.69	NA
Oncostatin-M	**	*		5.02	4.76	NA
Programmed cell death 1 ligand 1				4.89	4.85	NA
Stem cell factor	****	****	****	8.79	9.26	NA
SIR2-like protein 2				2.94	2.93	NA
Signaling lymphocytic activation molecule	*			2.96	3.1	NA
Sulfotransferase 1A1				2.19	2.07	NA
STAM-binding protein				2.58	2.63	NA
Transforming growth factor alpha				3.99	3.87	NA
Latency-associated peptide transforming growth factor beta-1				7.97	8.01	NA
Tumor necrosis factor				1.02	0.89	NA
TNF-beta				3.91	4	NA
Tumor necrosis factor receptor superfamily member 9				6.61	6.69	NA
Tumor necrosis factor ligand superfamily member 14				4.82	4.69	NA
TNF-related apoptosis-inducing ligand	****	***	**	8.02	8.24	NA
TNF-related activation-induced cytokine	***	**	*	5.33	5.65	NA
Thymic stromal lymphopoietin				1.09	1.1	NA
Tumor necrosis factor	****	****	****	8.69	8.96	NA
Urokinase-type plasminogen activator	****	****	****	9.64	9.96	NA
Vascular endothelial growth factor A	***	**	*	10.36	10.14	NA

Table 22: Women table for biomarkers significance, medicine Microgynon

Protein	No correction	Benjamini	Bonferroni	Avg Medicated	Avg Healthy	Image
Adenosine Deaminase				4.74	4.74	NA
Artemin				0.14	0.08	NA
Axin-1				1.05	1.12	NA
Brain-derived neurotrophic factor				4.24	4.11	NA
Beta-nerve growth factor				1.97	1.89	NA
Caspase-8				1.45	1.4	NA
Eotaxin	*			7.69	7.85	NA
C-C motif chemokine 19				9.19	9.42	NA
C-C motif chemokine 20				6.23	6.05	NA
C-C motif chemokine 23				9.37	9.31	NA
C-C motif chemokine 25				6.12	6.07	NA
C-C motif chemokine 28				1.21	1.27	NA
C-C motif chemokine 3				2.21	2.2	NA
C-C motif chemokine 4				6.46	6.47	NA
Natural killer cell receptor 2B4				6.29	6.33	NA
CD40L receptor				9.2	9.17	NA
T-cell surface glycoprotein CD5				3.99	4	NA
T cell surface glycoprotein CD6 isoform				3.52	3.64	NA
CUB domain-containing protein 1				2.45	2.43	NA
Macrophage colony-stimulating factor 1				7.93	7.86	NA
Cystatin D				6.82	6.77	NA
Fractalkine				6.57	6.52	NA
C-X-C motif chemokine 1				8.9	8.9	NA
C-X-C motif chemokine 10				9.65	9.6	NA
C-X-C motif chemokine 11				7.17	7.3	NA
C-X-C motif chemokine 5				12.55	12.58	NA
C-X-C motif chemokine 6	*			8.95	9.16	NA
C-X-C motif chemokine 9				7.22	7.21	NA
Delta and Notch-like epidermal growth factor-related receptor				7.23	7.29	NA
Eukaryotic translation initiation factor 4E-binding protein 1				5.47	5.68	NA
Protein S100-A12				5.15	5.1	NA
Fibroblast growth factor 19				7.78	8.01	NA
Fibroblast growth factor 21				2.94	3.14	NA
Fibroblast growth factor 23				2.58	2.72	NA
Fibroblast growth factor 5				1.43	1.49	NA
Fms-related tyrosine kinase 3 ligand				8.84	8.81	NA
Glial cell line-derived neurotrophic factor	**	*		2.03	2.21	NA
Hepatocyte growth factor				7.97	7.93	NA
Interferon gamma				1.02	1.02	NA
Interleukin-10				4.07	4.08	NA
Interleukin-10 receptor subunit alpha				1.54	1.39	NA
Interleukin-10 receptor subunit beta				7.48	7.44	NA
Interleukin-12 subunit beta				4.94	4.84	NA
Interleukin-13				1.61	1.63	NA
Interleukin-15 receptor subunit alpha				1.22	1.24	NA
Interleukin-17A	*			0.71	0.84	NA
Interleukin-17C				1.69	1.65	NA
Interleukin-18				7.1	6.96	NA
Interleukin-18 receptor 1	**			7.69	7.46	NA
Interleukin-1 alpha				1.86	1.84	NA
Interleukin-2	****	****	****	1.22	1.23	NA
Interleukin-20				0.86	0.87	NA
Interleukin-20 receptor subunit alpha				0.95	0.99	NA
Interleukin-22 receptor subunit alpha-1	****	****	****	2.26	2.26	NA
Interleukin-24				1.4	1.41	NA
Interleukin-2 receptor subunit beta				0.88	0.9	NA
Interleukin-33				1.45	1.5	NA
Interleukin-4				1.29	1.19	NA
Interleukin-5				2.44	2.15	NA
Interleukin-6				2.9	2.88	NA
Interleukin-7				5.21	5.22	NA
Interleukin-8				7.56	7.52	NA
Leukemia inhibitory factor				0.84	0.92	NA
Leukemia inhibitory factor receptor				3.39	3.46	NA
Monocyte chemotactic protein 1				9.79	9.81	NA
Monocyte chemotactic protein 2				10.08	10.06	NA
Monocyte chemotactic protein 3				2.3	2.33	NA
Monocyte chemotactic protein 4	*			3.35	3.55	NA
Matrix metalloproteinase-1				7.03	6.96	NA
Matrix metalloproteinase-10				9	8.96	NA
Neurturin	*			1.15	1.24	NA
Neurotrophin-3				2.22	2.1	NA
Osteoprotegerin				9.74	9.69	NA
Oncostatin-M				4.87	4.76	NA
Programmed cell death 1 ligand 1				4.94	4.85	NA
Stem cell factor	**			9.02	9.26	NA
SIR2-like protein 2				2.9	2.93	NA
Signaling lymphocytic activation molecule				3.01	3.1	NA
Sulfotransferase 1A1				2.04	2.07	NA
STAM-binding protein				2.55	2.63	NA
Transforming growth factor alpha				3.94	3.87	NA
Latency-associated peptide transforming growth factor beta-1				8.04	8.01	NA
Tumor necrosis factor				0.91	0.89	NA
TNF-beta				4.05	4	NA
Tumor necrosis factor receptor superfamily member 9				6.71	6.69	NA
Tumor necrosis factor ligand superfamily member 14				4.82	4.69	NA
TNF-related apoptosis-inducing ligand				8.18	8.24	NA
TNF-related activation-induced cytokine				5.5	5.65	NA
Thymic stromal lymphopoietin				1.11	1.1	NA
Tumor necrosis factor				8.86	8.96	NA
Urokinase-type plasminogen activator	*			9.86	9.96	NA
Vascular endothelial growth factor A				10.28	10.14	NA

Table 23: Women table for biomarkers significance, medicine Ibux 200 mg

Protein	No correction	Benjamini	Bonferroni	Avg Medicated	Avg Healthy	Image
Adenosine Deaminase				4.81	4.74	NA
Artemin				0.07	0.08	NA
Axin-1				1.12	1.12	NA
Brain-derived neurotrophic factor				2.8	4.11	NA
Beta-nerve growth factor	***	**	*	2.09	1.89	NA
Caspase-8				1.38	1.4	NA
Eotaxin	**	*		7.61	7.85	NA
C-C motif chemokine 19				9.35	9.42	NA
C-C motif chemokine 20				6.14	6.05	NA
C-C motif chemokine 23	****	****	***	9.7	9.31	NA
C-C motif chemokine 25				6.16	6.07	NA
C-C motif chemokine 28				1.18	1.27	NA
C-C motif chemokine 3				2.12	2.2	NA
C-C motif chemokine 4				6.33	6.47	NA
Natural killer cell receptor 2B4	**	*		6.18	6.33	NA
CD40L receptor				9.24	9.17	NA
T-cell surface glycoprotein CD5				4.01	4	NA
T cell surface glycoprotein CD6 isoform	*			3.44	3.64	NA
CUB domain-containing protein 1	*			2.26	2.43	NA
Macrophage colony-stimulating factor 1	**	*		8.02	7.86	NA
Cystatin D				6.73	6.77	NA
Fractalkine				6.62	6.52	NA
C-X-C motif chemokine 1				8.78	8.9	NA
C-X-C motif chemokine 10				9.46	9.6	NA
C-X-C motif chemokine 11				7.16	7.3	NA
C-X-C motif chemokine 5				12.39	12.58	NA
C-X-C motif chemokine 6	**	**		8.77	9.16	NA
C-X-C motif chemokine 9				7.35	7.21	NA
Delta and Notch-like epidermal growth factor-related receptor				7.22	7.29	NA
Eukaryotic translation initiation factor 4E-binding protein 1				5.2	5.68	NA
Protein S100-A12				4.93	5.1	NA
Fibroblast growth factor 19	**	*		7.48	8.01	NA
Fibroblast growth factor 21				2.98	3.14	NA
Fibroblast growth factor 23	****	****	***	2.27	2.72	NA
Fibroblast growth factor 5	**	**		1.31	1.49	NA
Fms-related tyrosine kinase 3 ligand				8.91	8.81	NA
Glial cell line-derived neurotrophic factor	****	****	****	1.78	2.21	NA
Hepatocyte growth factor				7.89	7.93	NA
Interferon gamma	****	****	****	0.99	1.02	NA
Interleukin-10				4.02	4.08	NA
Interleukin-10 receptor subunit alpha				1.34	1.39	NA
Interleukin-10 receptor subunit beta	*			7.59	7.44	NA
Interleukin-12 subunit beta				4.92	4.84	NA
Interleukin-13	*			1.56	1.63	NA
Interleukin-15 receptor subunit alpha	*			1.13	1.24	NA
Interleukin-17A				0.77	0.84	NA
Interleukin-17C				1.63	1.65	NA
Interleukin-18				7.09	6.96	NA
Interleukin-18 receptor 1				7.59	7.46	NA
Interleukin-1 alpha				1.79	1.84	NA
Interleukin-2	****	****	****	1.22	1.23	NA
Interleukin-20	*	*		0.79	0.87	NA
Interleukin-20 receptor subunit alpha				0.96	0.99	NA
Interleukin-22 receptor subunit alpha-1	****	****	****	2.26	2.26	NA
Interleukin-24				1.38	1.41	NA
Interleukin-2 receptor subunit beta				0.88	0.9	NA
Interleukin-33				1.44	1.5	NA
Interleukin-4				1.28	1.19	NA
Interleukin-5	***	**	*	1.81	2.15	NA
Interleukin-6				2.74	2.88	NA
Interleukin-7				5.15	5.22	NA
Interleukin-8				7.51	7.52	NA
Leukemia inhibitory factor				0.85	0.92	NA
Leukemia inhibitory factor receptor	****	***	**	3.26	3.46	NA
Monocyte chemotactic protein 1				9.76	9.81	NA
Monocyte chemotactic protein 2				9.86	10.06	NA
Monocyte chemotactic protein 3	*			2.14	2.33	NA
Monocyte chemotactic protein 4	**	*		3.22	3.55	NA
Matrix metalloproteinase-1				6.98	6.96	NA
Matrix metalloproteinase-10	*			8.67	8.96	NA
Neurturin	*			1.16	1.24	NA
Neurotrophin-3				2.04	2.1	NA
Osteoprotegerin				9.7	9.69	NA
Oncostatin-M				4.75	4.76	NA
Programmed cell death 1 ligand 1				4.95	4.85	NA
Stem cell factor	****	***	**	9.03	9.26	NA
SIR2-like protein 2				3.04	2.93	NA
Signaling lymphocytic activation molecule	**	*		2.88	3.1	NA
Sulfotransferase 1A1				2.06	2.07	NA
STAM-binding protein				2.63	2.63	NA
Transforming growth factor alpha				3.85	3.87	NA
Latency-associated peptide transforming growth factor beta-1				7.91	8.01	NA
Tumor necrosis factor	**	*		0.84	0.89	NA
TNF-beta				3.96	4	NA
Tumor necrosis factor receptor superfamily member 9				6.62	6.69	NA
Tumor necrosis factor ligand superfamily member 14				4.85	4.69	NA
TNF-related apoptosis-inducing ligand	****	***	**	7.99	8.24	NA
TNF-related activation-induced cytokine	**	*		5.29	5.65	NA
Thymic stromal lymphopoietin				1.09	1.1	NA
Tumor necrosis factor	**	*		8.81	8.96	NA
Urokinase-type plasminogen activator	****	***	**	9.72	9.96	NA
Vascular endothelial growth factor A	*			10.35	10.14	NA

Table 24: Women table for biomarkers significance, medicine Loette

Protein	No correction	Benjamini	Bonferroni	Avg Medicated	Avg Healthy	Image
Adenosine Deaminase				4.82	4.74	NA
Artemin				0.1	0.08	NA
Axin-1				1.1	1.12	NA
Brain-derived neurotrophic factor				2.98	4.11	NA
Beta-nerve growth factor				1.96	1.89	NA
Caspase-8				1.32	1.4	NA
Eotaxin				7.77	7.85	NA
C-C motif chemokine 19				9.28	9.42	NA
C-C motif chemokine 20				6.35	6.05	NA
C-C motif chemokine 23	*			9.52	9.31	NA
C-C motif chemokine 25				6.06	6.07	NA
C-C motif chemokine 28				1.14	1.27	NA
C-C motif chemokine 3				2.53	2.2	NA
C-C motif chemokine 4				6.71	6.47	NA
Natural killer cell receptor 2B4				6.35	6.33	NA
CD40L receptor				9.14	9.17	NA
T-cell surface glycoprotein CD5				4.08	4	NA
T cell surface glycoprotein CD6 isoform				3.66	3.64	NA
CUB domain-containing protein 1				2.43	2.43	NA
Macrophage colony-stimulating factor 1				7.92	7.86	NA
Cystatin D				6.77	6.77	NA
Fractalkine				6.59	6.52	NA
C-X-C motif chemokine 1				8.84	8.9	NA
C-X-C motif chemokine 10				9.82	9.6	NA
C-X-C motif chemokine 11				7.41	7.3	NA
C-X-C motif chemokine 5				12.56	12.58	NA
C-X-C motif chemokine 6				9.04	9.16	NA
C-X-C motif chemokine 9				7.42	7.21	NA
Delta and Notch-like epidermal growth factor-related receptor	*			7.18	7.29	NA
Eukaryotic translation initiation factor 4E-binding protein 1				5.27	5.68	NA
Protein S100-A12				5.09	5.1	NA
Fibroblast growth factor 19				8.13	8.01	NA
Fibroblast growth factor 21				3.25	3.14	NA
Fibroblast growth factor 23	****	**	**	2.34	2.72	NA
Fibroblast growth factor 5	*			1.37	1.49	NA
Fms-related tyrosine kinase 3 ligand				8.82	8.81	NA
Glial cell line-derived neurotrophic factor				2.04	2.21	NA
Hepatocyte growth factor				7.86	7.93	NA
Interferon gamma				1	1.02	NA
Interleukin-10				4.52	4.08	NA
Interleukin-10 receptor subunit alpha				1.53	1.39	NA
Interleukin-10 receptor subunit beta				7.48	7.44	NA
Interleukin-12 subunit beta				4.9	4.84	NA
Interleukin-13				1.62	1.63	NA
Interleukin-15 receptor subunit alpha				1.24	1.24	NA
Interleukin-17A				0.78	0.84	NA
Interleukin-17C				1.67	1.65	NA
Interleukin-18	*			7.23	6.96	NA
Interleukin-18 receptor 1				7.45	7.46	NA
Interleukin-1 alpha				1.8	1.84	NA
Interleukin-2	****	****	****	1.22	1.23	NA
Interleukin-20	*			0.8	0.87	NA
Interleukin-20 receptor subunit alpha				0.93	0.99	NA
Interleukin-22 receptor subunit alpha-1	****	****	****	2.26	2.26	NA
Interleukin-24	****	****	****	1.34	1.41	NA
Interleukin-2 receptor subunit beta				0.94	0.9	NA
Interleukin-33	****	****	****	1.43	1.5	NA
Interleukin-4				1.18	1.19	NA
Interleukin-5				2.5	2.15	NA
Interleukin-6				2.81	2.88	NA
Interleukin-7				5.15	5.22	NA
Interleukin-8				7.53	7.52	NA
Leukemia inhibitory factor				0.89	0.92	NA
Leukemia inhibitory factor receptor	*			3.32	3.46	NA
Monocyte chemotactic protein 1				9.99	9.81	NA
Monocyte chemotactic protein 2				10.15	10.06	NA
Monocyte chemotactic protein 3				2.25	2.33	NA
Monocyte chemotactic protein 4				3.36	3.55	NA
Matrix metalloproteinase-1				7.11	6.96	NA
Matrix metalloproteinase-10				8.99	8.96	NA
Neurturin				1.42	1.24	NA
Neurotrophin-3				2.18	2.1	NA
Osteoprotegerin				9.64	9.69	NA
Oncostatin-M				4.74	4.76	NA
Programmed cell death 1 ligand 1				4.84	4.85	NA
Stem cell factor				9.12	9.26	NA
SIR2-like protein 2				2.84	2.93	NA
Signaling lymphocytic activation molecule				2.97	3.1	NA
Sulfotransferase 1A1				2.04	2.07	NA
STAM-binding protein				2.61	2.63	NA
Transforming growth factor alpha				3.83	3.87	NA
Latency-associated peptide transforming growth factor beta-1				7.92	8.01	NA
Tumor necrosis factor	*			0.85	0.89	NA
TNF-beta				3.88	4	NA
Tumor necrosis factor receptor superfamily member 9				6.72	6.69	NA
Tumor necrosis factor ligand superfamily member 14				4.79	4.69	NA
TNF-related apoptosis-inducing ligand				8.25	8.24	NA
TNF-related activation-induced cytokine				5.52	5.65	NA
Thymic stromal lymphopoietin				1.09	1.1	NA
Tumor necrosis factor				8.83	8.96	NA
Urokinase-type plasminogen activator	*			9.79	9.96	NA
Vascular endothelial growth factor A	**			10.38	10.14	NA

Table 25: Women table for biomarkers significance, medicine Ventolin

Protein	No correction	Benjamini	Bonferroni	Avg Medicated	Avg Healthy	Image
Adenosine Deaminase				4.71	4.74	NA
Artemin				0.05	0.08	NA
Axin-1				1.07	1.12	NA
Brain-derived neurotrophic factor				3.43	4.11	NA
Beta-nerve growth factor				1.9	1.89	NA
Caspase-8				1.42	1.4	NA
Eotaxin				7.75	7.85	NA
C-C motif chemokine 19				9.42	9.42	NA
C-C motif chemokine 20				6.13	6.05	NA
C-C motif chemokine 23				9.49	9.31	NA
C-C motif chemokine 25				6.17	6.07	NA
C-C motif chemokine 28				1.15	1.27	NA
C-C motif chemokine 3				2.13	2.2	NA
C-C motif chemokine 4				6.56	6.47	NA
Natural killer cell receptor 2B4				6.32	6.33	NA
CD40L receptor				9.08	9.17	NA
T-cell surface glycoprotein CD5				4	4	NA
T cell surface glycoprotein CD6 isoform				3.65	3.64	NA
CUB domain-containing protein 1				2.31	2.43	NA
Macrophage colony-stimulating factor 1				7.87	7.86	NA
Cystatin D				6.73	6.77	NA
Fractalkine				6.58	6.52	NA
C-X-C motif chemokine 1				8.71	8.9	NA
C-X-C motif chemokine 10				9.33	9.6	NA
C-X-C motif chemokine 11				7.07	7.3	NA
C-X-C motif chemokine 5	*			12.29	12.58	NA
C-X-C motif chemokine 6	*			8.9	9.16	NA
C-X-C motif chemokine 9				7.34	7.21	NA
Delta and Notch-like epidermal growth factor-related receptor				7.27	7.29	NA
Eukaryotic translation initiation factor 4E-binding protein 1				5.44	5.68	NA
Protein S100-A12				5.22	5.1	NA
Fibroblast growth factor 19				8.15	8.01	NA
Fibroblast growth factor 21				3.14	3.14	NA
Fibroblast growth factor 23				2.57	2.72	NA
Fibroblast growth factor 5				1.46	1.49	NA
Fms-related tyrosine kinase 3 ligand				8.87	8.81	NA
Glial cell line-derived neurotrophic factor				2.25	2.21	NA
Hepatocyte growth factor				7.96	7.93	NA
Interferon gamma				1	1.02	NA
Interleukin-10				4.43	4.08	NA
Interleukin-10 receptor subunit alpha				1.41	1.39	NA
Interleukin-10 receptor subunit beta				7.46	7.44	NA
Interleukin-12 subunit beta				4.78	4.84	NA
Interleukin-13				1.64	1.63	NA
Interleukin-15 receptor subunit alpha				1.25	1.24	NA
Interleukin-17A	*			0.62	0.84	NA
Interleukin-17C				1.59	1.65	NA
Interleukin-18				7.07	6.96	NA
Interleukin-18 receptor 1				7.36	7.46	NA
Interleukin-1 alpha				1.87	1.84	NA
Interleukin-2	****	****	****	1.22	1.23	NA
Interleukin-20				0.83	0.87	NA
Interleukin-20 receptor subunit alpha				1.1	0.99	NA
Interleukin-22 receptor subunit alpha-1	****	****	****	2.26	2.26	NA
Interleukin-24				1.5	1.41	NA
Interleukin-2 receptor subunit beta				0.88	0.9	NA
Interleukin-33				1.43	1.5	NA
Interleukin-4				1.4	1.19	NA
Interleukin-5				2.42	2.15	NA
Interleukin-6	*			2.68	2.88	NA
Interleukin-7	*			5.01	5.22	NA
Interleukin-8				7.41	7.52	NA
Leukemia inhibitory factor	*			0.82	0.92	NA
Leukemia inhibitory factor receptor				3.41	3.46	NA
Monocyte chemotactic protein 1				9.68	9.81	NA
Monocyte chemotactic protein 2				10.09	10.06	NA
Monocyte chemotactic protein 3	*			2.08	2.33	NA
Monocyte chemotactic protein 4	**			3.29	3.55	NA
Matrix metalloproteinase-1				7.04	6.96	NA
Matrix metalloproteinase-10				8.97	8.96	NA
Neurturin				1.41	1.24	NA
Neurotrophin-3				2.1	2.1	NA
Osteoprotegerin				9.63	9.69	NA
Oncostatin-M				4.96	4.76	NA
Programmed cell death 1 ligand 1				4.86	4.85	NA
Stem cell factor				9.27	9.26	NA
SIR2-like protein 2				2.78	2.93	NA
Signaling lymphocytic activation molecule				3.07	3.1	NA
Sulfotransferase 1A1				1.85	2.07	NA
STAM-binding protein				2.49	2.63	NA
Transforming growth factor alpha				4.09	3.87	NA
Latency-associated peptide transforming growth factor beta-1				8	8.01	NA
Tumor necrosis factor				0.88	0.89	NA
TNF-beta				3.96	4	NA
Tumor necrosis factor receptor superfamily member 9				6.66	6.69	NA
Tumor necrosis factor ligand superfamily member 14				4.82	4.69	NA
TNF-related apoptosis-inducing ligand				8.14	8.24	NA
TNF-related activation-induced cytokine				5.49	5.65	NA
Thymic stromal lymphopoietin	*			1.08	1.1	NA
Tumor necrosis factor				8.9	8.96	NA
Urokinase-type plasminogen activator				9.88	9.96	NA
Vascular endothelial growth factor A				10.16	10.14	NA

Table 26: Women table for biomarkers significance, medicine Zyrtec

Protein	No correction	Benjamini	Bonferroni	Avg Medicated	Avg Healthy	Image
Adenosine Deaminase				4.64	4.74	NA
Artemin				0.33	0.08	NA
Axin-1				1.08	1.12	NA
Brain-derived neurotrophic factor				4.55	4.11	NA
Beta-nerve growth factor				1.93	1.89	NA
Caspase-8				1.37	1.4	NA
Eotaxin				7.68	7.85	NA
C-C motif chemokine 19				9.61	9.42	NA
C-C motif chemokine 20				5.95	6.05	NA
C-C motif chemokine 23				9.34	9.31	NA
C-C motif chemokine 25				6.09	6.07	NA
C-C motif chemokine 28				1.25	1.27	NA
C-C motif chemokine 3				2.17	2.2	NA
C-C motif chemokine 4				6.43	6.47	NA
Natural killer cell receptor 2B4				6.26	6.33	NA
CD40L receptor				9.12	9.17	NA
T-cell surface glycoprotein CD5				3.95	4	NA
T cell surface glycoprotein CD6 isoform				3.6	3.64	NA
CUB domain-containing protein 1				2.48	2.43	NA
Macrophage colony-stimulating factor 1				7.95	7.86	NA
Cystatin D	*			6.58	6.77	NA
Fractalkine				6.49	6.52	NA
C-X-C motif chemokine 1				8.9	8.9	NA
C-X-C motif chemokine 10				9.77	9.6	NA
C-X-C motif chemokine 11				7.34	7.3	NA
C-X-C motif chemokine 5				12.6	12.58	NA
C-X-C motif chemokine 6				8.99	9.16	NA
C-X-C motif chemokine 9				7.54	7.21	NA
Delta and Notch-like epidermal growth factor-related receptor				7.24	7.29	NA
Eukaryotic translation initiation factor 4E-binding protein 1				5.39	5.68	NA
Protein S100-A12				5.15	5.1	NA
Fibroblast growth factor 19				7.68	8.01	NA
Fibroblast growth factor 21				3.22	3.14	NA
Fibroblast growth factor 23				2.6	2.72	NA
Fibroblast growth factor 5				1.46	1.49	NA
Fms-related tyrosine kinase 3 ligand				8.78	8.81	NA
Glial cell line-derived neurotrophic factor				2.11	2.21	NA
Hepatocyte growth factor				7.96	7.93	NA
Interferon gamma				1.07	1.02	NA
Interleukin-10				4.25	4.08	NA
Interleukin-10 receptor subunit alpha				1.25	1.39	NA
Interleukin-10 receptor subunit beta				7.44	7.44	NA
Interleukin-12 subunit beta				4.8	4.84	NA
Interleukin-13				1.61	1.63	NA
Interleukin-15 receptor subunit alpha				1.22	1.24	NA
Interleukin-17A				0.84	0.84	NA
Interleukin-17C				1.68	1.65	NA
Interleukin-18				7.19	6.96	NA
Interleukin-18 receptor 1				7.52	7.46	NA
Interleukin-1 alpha				1.81	1.84	NA
Interleukin-2	****	****	****	1.22	1.23	NA
Interleukin-20				0.91	0.87	NA
Interleukin-20 receptor subunit alpha				1.07	0.99	NA
Interleukin-22 receptor subunit alpha-1				2.4	2.26	NA
Interleukin-24				1.36	1.41	NA
Interleukin-2 receptor subunit beta				0.97	0.9	NA
Interleukin-33				1.5	1.5	NA
Interleukin-4				1.7	1.19	NA
Interleukin-5				2.18	2.15	NA
Interleukin-6				3.14	2.88	NA
Interleukin-7				5.19	5.22	NA
Interleukin-8				7.59	7.52	NA
Leukemia inhibitory factor				0.89	0.92	NA
Leukemia inhibitory factor receptor				3.37	3.46	NA
Monocyte chemotactic protein 1				9.75	9.81	NA
Monocyte chemotactic protein 2				9.81	10.06	NA
Monocyte chemotactic protein 3				2.18	2.33	NA
Monocyte chemotactic protein 4				3.37	3.55	NA
Matrix metalloproteinase-1				6.81	6.96	NA
Matrix metalloproteinase-10				9.11	8.96	NA
Neurturin				1.25	1.24	NA
Neurotrophin-3				1.99	2.1	NA
Osteoprotegerin				9.75	9.69	NA
Oncostatin-M				4.86	4.76	NA
Programmed cell death 1 ligand 1				4.88	4.85	NA
Stem cell factor				9.15	9.26	NA
SIR2-like protein 2				2.8	2.93	NA
Signaling lymphocytic activation molecule				2.97	3.1	NA
Sulfotransferase 1A1	*			1.7	2.07	NA
STAM-binding protein				2.46	2.63	NA
Transforming growth factor alpha				3.83	3.87	NA
Latency-associated peptide transforming growth factor beta-1				7.98	8.01	NA
Tumor necrosis factor				0.89	0.89	NA
TNF-beta				4.08	4	NA
Tumor necrosis factor receptor superfamily member 9				6.65	6.69	NA
Tumor necrosis factor ligand superfamily member 14				4.77	4.69	NA
TNF-related apoptosis-inducing ligand				8.24	8.24	NA
TNF-related activation-induced cytokine				5.41	5.65	NA
Thymic stromal lymphopoietin	****	****	****	1.08	1.1	NA
Tumor necrosis factor	**			8.77	8.96	NA
Urokinase-type plasminogen activator				9.83	9.96	NA
Vascular endothelial growth factor A				10.28	10.14	NA

Table 27: Women table for biomarkers significance, medicine Ibux 400 mg

Protein	No correction	Benjamini	Bonferroni	Avg Medicated	Avg Healthy	Image
Adenosine Deaminase				4.72	4.74	NA
Artemin				0.14	0.08	NA
Axin-1				1.02	1.12	NA
Brain-derived neurotrophic factor				3.89	4.11	NA
Beta-nerve growth factor				1.98	1.89	NA
Caspase-8				1.4	1.4	NA
Eotaxin	***	**	*	7.58	7.85	NA
C-C motif chemokine 19				9.43	9.42	NA
C-C motif chemokine 20				5.88	6.05	NA
C-C motif chemokine 23				9.38	9.31	NA
C-C motif chemokine 25	*			5.87	6.07	NA
C-C motif chemokine 28				1.28	1.27	NA
C-C motif chemokine 3	*			2	2.2	NA
C-C motif chemokine 4	*			6.2	6.47	NA
Natural killer cell receptor 2B4				6.32	6.33	NA
CD40L receptor				9.1	9.17	NA
T-cell surface glycoprotein CD5				3.88	4	NA
T cell surface glycoprotein CD6 isoform				3.59	3.64	NA
CUB domain-containing protein 1				2.5	2.43	NA
Macrophage colony-stimulating factor 1				7.85	7.86	NA
Cystatin D				6.78	6.77	NA
Fractalkine				6.51	6.52	NA
C-X-C motif chemokine 1	*			8.67	8.9	NA
C-X-C motif chemokine 10				9.76	9.6	NA
C-X-C motif chemokine 11				7.28	7.3	NA
C-X-C motif chemokine 5				12.39	12.58	NA
C-X-C motif chemokine 6	*			8.91	9.16	NA
C-X-C motif chemokine 9				7.16	7.21	NA
Delta and Notch-like epidermal growth factor-related receptor				7.25	7.29	NA
Eukaryotic translation initiation factor 4E-binding protein 1				5.57	5.68	NA
Protein S100-A12				5.12	5.1	NA
Fibroblast growth factor 19				7.83	8.01	NA
Fibroblast growth factor 21				3.25	3.14	NA
Fibroblast growth factor 23				2.8	2.72	NA
Fibroblast growth factor 5				1.39	1.49	NA
Fms-related tyrosine kinase 3 ligand				8.89	8.81	NA
Glial cell line-derived neurotrophic factor				2.22	2.21	NA
Hepatocyte growth factor				7.8	7.93	NA
Interferon gamma				1.05	1.02	NA
Interleukin-10				4.34	4.08	NA
Interleukin-10 receptor subunit alpha				1.38	1.39	NA
Interleukin-10 receptor subunit beta				7.37	7.44	NA
Interleukin-12 subunit beta				4.86	4.84	NA
Interleukin-13				1.63	1.63	NA
Interleukin-15 receptor subunit alpha				1.19	1.24	NA
Interleukin-17A				0.79	0.84	NA
Interleukin-17C				1.56	1.65	NA
Interleukin-18				7.03	6.96	NA
Interleukin-18 receptor 1				7.58	7.46	NA
Interleukin-1 alpha				1.95	1.84	NA
Interleukin-2	****	****	****	1.22	1.23	NA
Interleukin-20				0.94	0.87	NA
Interleukin-20 receptor subunit alpha				0.92	0.99	NA
Interleukin-22 receptor subunit alpha-1	****	****	****	2.26	2.26	NA
Interleukin-24				1.48	1.41	NA
Interleukin-2 receptor subunit beta				0.87	0.9	NA
Interleukin-33				1.49	1.5	NA
Interleukin-4				1.4	1.19	NA
Interleukin-5				2.58	2.15	NA
Interleukin-6				3.16	2.88	NA
Interleukin-7				5.15	5.22	NA
Interleukin-8				7.48	7.52	NA
Leukemia inhibitory factor				0.88	0.92	NA
Leukemia inhibitory factor receptor				3.4	3.46	NA
Monocyte chemotactic protein 1	**			9.56	9.81	NA
Monocyte chemotactic protein 2				10.04	10.06	NA
Monocyte chemotactic protein 3				2.25	2.33	NA
Monocyte chemotactic protein 4	*			3.29	3.55	NA
Matrix metalloproteinase-1				6.7	6.96	NA
Matrix metalloproteinase-10				9.05	8.96	NA
Neurturin				1.16	1.24	NA
Neurotrophin-3				2.08	2.1	NA
Osteoprotegerin				9.73	9.69	NA
Oncostatin-M				4.52	4.76	NA
Programmed cell death 1 ligand 1				4.83	4.85	NA
Stem cell factor				9.23	9.26	NA
SIR2-like protein 2				2.82	2.93	NA
Signaling lymphocytic activation molecule				2.95	3.1	NA
Sulfotransferase 1A1				1.86	2.07	NA
STAM-binding protein				2.54	2.63	NA
Transforming growth factor alpha				3.72	3.87	NA
Latency-associated peptide transforming growth factor beta-1	*			7.83	8.01	NA
Tumor necrosis factor				1.1	0.89	NA
TNF-beta				3.8	4	NA
Tumor necrosis factor receptor superfamily member 9				6.59	6.69	NA
Tumor necrosis factor ligand superfamily member 14				4.54	4.69	NA
TNF-related apoptosis-inducing ligand				8.14	8.24	NA
TNF-related activation-induced cytokine	*			5.35	5.65	NA
Thymic stromal lymphopoietin	****	****	****	1.08	1.1	NA
Tumor necrosis factor	**	*		8.77	8.96	NA
Urokinase-type plasminogen activator				9.83	9.96	NA
Vascular endothelial growth factor A				10.06	10.14	NA

Table 28: Women table for biomarkers significance, medicine Cetrizin

Protein	No correction	Benjamini	Bonferroni	Avg Medicated	Avg Healthy	Image
Adenosine Deaminase				4.91	4.74	NA
Artemin	****	****	****	0.03	0.08	NA
Axin-1				0.94	1.12	NA
Brain-derived neurotrophic factor				2.67	4.11	NA
Beta-nerve growth factor				2	1.89	NA
Caspase-8				1.4	1.4	NA
Eotaxin	*			7.46	7.85	NA
C-C motif chemokine 19				9.36	9.42	NA
C-C motif chemokine 20	*			5.52	6.05	NA
C-C motif chemokine 23	*			9.55	9.31	NA
C-C motif chemokine 25				5.85	6.07	NA
C-C motif chemokine 28				1.17	1.27	NA
C-C motif chemokine 3				2.04	2.2	NA
C-C motif chemokine 4	*			6.03	6.47	NA
Natural killer cell receptor 2B4				6.31	6.33	NA
CD40L receptor				9.23	9.17	NA
T-cell surface glycoprotein CD5				4	4	NA
T cell surface glycoprotein CD6 isoform				3.42	3.64	NA
CUB domain-containing protein 1				2.41	2.43	NA
Macrophage colony-stimulating factor 1	**	*		8.13	7.86	NA
Cystatin D	**	*		6.49	6.77	NA
Fractalkine				6.62	6.52	NA
C-X-C motif chemokine 1				8.63	8.9	NA
C-X-C motif chemokine 10				9.41	9.6	NA
C-X-C motif chemokine 11	*			6.72	7.3	NA
C-X-C motif chemokine 5				12.37	12.58	NA
C-X-C motif chemokine 6	**	*		8.53	9.16	NA
C-X-C motif chemokine 9				7.25	7.21	NA
Delta and Notch-like epidermal growth factor-related receptor				7.27	7.29	NA
Eukaryotic translation initiation factor 4E-binding protein 1	**	*		4.43	5.68	NA
Protein S100-A12				5.1	5.1	NA
Fibroblast growth factor 19	*			7.26	8.01	NA
Fibroblast growth factor 21				2.36	3.14	NA
Fibroblast growth factor 23	****	***	**	2.1	2.72	NA
Fibroblast growth factor 5				1.32	1.49	NA
Fms-related tyrosine kinase 3 ligand				8.84	8.81	NA
Glial cell line-derived neurotrophic factor	***	**	*	1.78	2.21	NA
Hepatocyte growth factor				7.8	7.93	NA
Interferon gamma	****	****	****	0.99	1.02	NA
Interleukin-10				4.03	4.08	NA
Interleukin-10 receptor subunit alpha				1.19	1.39	NA
Interleukin-10 receptor subunit beta				7.64	7.44	NA
Interleukin-12 subunit beta				4.84	4.84	NA
Interleukin-13	****	****	****	1.54	1.63	NA
Interleukin-15 receptor subunit alpha				1.24	1.24	NA
Interleukin-17A				0.88	0.84	NA
Interleukin-17C				1.54	1.65	NA
Interleukin-18				7.16	6.96	NA
Interleukin-18 receptor 1				7.68	7.46	NA
Interleukin-1 alpha				1.66	1.84	NA
Interleukin-2	****	****	****	1.22	1.23	NA
Interleukin-20	*			0.81	0.87	NA
Interleukin-20 receptor subunit alpha				0.94	0.99	NA
Interleukin-22 receptor subunit alpha-1	****	****	****	2.26	2.26	NA
Interleukin-24	****	****	****	1.34	1.41	NA
Interleukin-2 receptor subunit beta	****	****	****	0.85	0.9	NA
Interleukin-33	****	****	****	1.43	1.5	NA
Interleukin-4	**	*		1.01	1.19	NA
Interleukin-5				3.01	2.15	NA
Interleukin-6				2.66	2.88	NA
Interleukin-7				5.29	5.22	NA
Interleukin-8				7.45	7.52	NA
Leukemia inhibitory factor				0.84	0.92	NA
Leukemia inhibitory factor receptor	*			3.18	3.46	NA
Monocyte chemotactic protein 1				9.65	9.81	NA
Monocyte chemotactic protein 2				9.76	10.06	NA
Monocyte chemotactic protein 3	*			2.02	2.33	NA
Monocyte chemotactic protein 4	**	*		3	3.55	NA
Matrix metalloproteinase-1				6.68	6.96	NA
Matrix metalloproteinase-10				8.89	8.96	NA
Neurturin				1.38	1.24	NA
Neurotrophin-3				2.23	2.1	NA
Osteoprotegerin				9.81	9.69	NA
Oncostatin-M				4.79	4.76	NA
Programmed cell death 1 ligand 1				4.85	4.85	NA
Stem cell factor	**	*		8.9	9.26	NA
SIR2-like protein 2				2.94	2.93	NA
Signaling lymphocytic activation molecule				2.98	3.1	NA
Sulfotransferase 1A1				1.79	2.07	NA
STAM-binding protein				2.45	2.63	NA
Transforming growth factor alpha				3.74	3.87	NA
Latency-associated peptide transforming growth factor beta-1				7.89	8.01	NA
Tumor necrosis factor	**	*		0.84	0.89	NA
TNF-beta				3.85	4	NA
Tumor necrosis factor receptor superfamily member 9				6.65	6.69	NA
Tumor necrosis factor ligand superfamily member 14				4.68	4.69	NA
TNF-related apoptosis-inducing ligand	**	*		7.92	8.24	NA
TNF-related activation-induced cytokine	**	*		4.89	5.65	NA
Thymic stromal lymphopoietin	****	****	****	1.08	1.1	NA
Tumor necrosis factor				8.83	8.96	NA
Urokinase-type plasminogen activator	**	*		9.55	9.96	NA
Vascular endothelial growth factor A				10.42	10.14	NA

Table 29: Women table for biomarkers significance, medicine Mercilon

Protein	No correction	Benjamini	Bonferroni	Avg Medicated	Avg Healthy	Image
Adenosine Deaminase				4.78	4.74	NA
Artemin	****	****	****	0.03	0.08	NA
Axin-1				0.98	1.12	NA
Brain-derived neurotrophic factor				4.06	4.11	NA
Beta-nerve growth factor				1.94	1.89	NA
Caspase-8				1.3	1.4	NA
Eotaxin				7.63	7.85	NA
C-C motif chemokine 19				9.21	9.42	NA
C-C motif chemokine 20				5.91	6.05	NA
C-C motif chemokine 23				9.34	9.31	NA
C-C motif chemokine 25				5.95	6.07	NA
C-C motif chemokine 28				1.65	1.27	NA
C-C motif chemokine 3				2.47	2.2	NA
C-C motif chemokine 4				6.35	6.47	NA
Natural killer cell receptor 2B4				6.22	6.33	NA
CD40L receptor				9.29	9.17	NA
T-cell surface glycoprotein CD5				3.92	4	NA
T cell surface glycoprotein CD6 isoform				3.49	3.64	NA
CUB domain-containing protein 1				2.47	2.43	NA
Macrophage colony-stimulating factor 1	*			8.11	7.86	NA
Cystatin D				6.76	6.77	NA
Fractalkine				6.43	6.52	NA
C-X-C motif chemokine 1				8.75	8.9	NA
C-X-C motif chemokine 10				9.49	9.6	NA
C-X-C motif chemokine 11				7.37	7.3	NA
C-X-C motif chemokine 5				12.67	12.58	NA
C-X-C motif chemokine 6				8.76	9.16	NA
C-X-C motif chemokine 9				7.65	7.21	NA
Delta and Notch-like epidermal growth factor-related receptor				7.19	7.29	NA
Eukaryotic translation initiation factor 4E-binding protein 1				5.04	5.68	NA
Protein S100-A12				5.18	5.1	NA
Fibroblast growth factor 19				8.21	8.01	NA
Fibroblast growth factor 21				3.39	3.14	NA
Fibroblast growth factor 23				2.4	2.72	NA
Fibroblast growth factor 5	*			1.28	1.49	NA
Fms-related tyrosine kinase 3 ligand				9.07	8.81	NA
Glial cell line-derived neurotrophic factor	****	****	***	1.71	2.21	NA
Hepatocyte growth factor				8.02	7.93	NA
Interferon gamma	****	****	****	0.99	1.02	NA
Interleukin-10				4.33	4.08	NA
Interleukin-10 receptor subunit alpha				1.15	1.39	NA
Interleukin-10 receptor subunit beta				7.52	7.44	NA
Interleukin-12 subunit beta				4.57	4.84	NA
Interleukin-13	****	****	****	1.54	1.63	NA
Interleukin-15 receptor subunit alpha				1.15	1.24	NA
Interleukin-17A				0.91	0.84	NA
Interleukin-17C				1.72	1.65	NA
Interleukin-18				7.11	6.96	NA
Interleukin-18 receptor 1				7.68	7.46	NA
Interleukin-1 alpha				1.73	1.84	NA
Interleukin-2	****	****	****	1.22	1.23	NA
Interleukin-20	*			0.8	0.87	NA
Interleukin-20 receptor subunit alpha	***	**		0.89	0.99	NA
Interleukin-22 receptor subunit alpha-1	****	****	****	2.26	2.26	NA
Interleukin-24				1.37	1.41	NA
Interleukin-2 receptor subunit beta				0.96	0.9	NA
Interleukin-33	****	****	****	1.43	1.5	NA
Interleukin-4				1.02	1.19	NA
Interleukin-5				2.26	2.15	NA
Interleukin-6				2.92	2.88	NA
Interleukin-7				5.74	5.22	NA
Interleukin-8				7.5	7.52	NA
Leukemia inhibitory factor	****	****	****	0.8	0.92	NA
Leukemia inhibitory factor receptor	**	*		3.15	3.46	NA
Monocyte chemotactic protein 1				9.87	9.81	NA
Monocyte chemotactic protein 2				10.14	10.06	NA
Monocyte chemotactic protein 3				2.06	2.33	NA
Monocyte chemotactic protein 4	*			2.96	3.55	NA
Matrix metalloproteinase-1				6.72	6.96	NA
Matrix metalloproteinase-10				9.31	8.96	NA
Neurturin	****	****	****	1.12	1.24	NA
Neurotrophin-3				2.06	2.1	NA
Osteoprotegerin				9.73	9.69	NA
Oncostatin-M				5.08	4.76	NA
Programmed cell death 1 ligand 1				4.93	4.85	NA
Stem cell factor	*			8.75	9.26	NA
SIR2-like protein 2				2.77	2.93	NA
Signaling lymphocytic activation molecule				3	3.1	NA
Sulfotransferase 1A1				1.77	2.07	NA
STAM-binding protein				2.56	2.63	NA
Transforming growth factor alpha				4.09	3.87	NA
Latency-associated peptide transforming growth factor beta-1				8.08	8.01	NA
Tumor necrosis factor				1.18	0.89	NA
TNF-beta				4.13	4	NA
Tumor necrosis factor receptor superfamily member 9				6.59	6.69	NA
Tumor necrosis factor ligand superfamily member 14				4.77	4.69	NA
TNF-related apoptosis-inducing ligand				7.91	8.24	NA
TNF-related activation-induced cytokine				5.06	5.65	NA
Thymic stromal lymphopoietin	****	****	****	1.08	1.1	NA
Tumor necrosis factor	**	*		8.69	8.96	NA
Urokinase-type plasminogen activator	*			9.65	9.96	NA
Vascular endothelial growth factor A	**	*		10.69	10.14	NA

Table 30: Women table for biomarkers significance, medicine Yasmin

Protein	No correction	Benjamini	Bonferroni	Avg Medicated	Avg Healthy	Image
Adenosine Deaminase				4.7	4.74	NA
Artemin	*			0.04	0.08	NA
Axin-1	*			0.97	1.12	NA
Brain-derived neurotrophic factor				4.69	4.11	NA
Beta-nerve growth factor				1.88	1.89	NA
Caspase-8				1.37	1.4	NA
Eotaxin				7.82	7.85	NA
C-C motif chemokine 19				9.18	9.42	NA
C-C motif chemokine 20				5.85	6.05	NA
C-C motif chemokine 23				9.3	9.31	NA
C-C motif chemokine 25				5.99	6.07	NA
C-C motif chemokine 28				0.99	1.27	NA
C-C motif chemokine 3				2.1	2.2	NA
C-C motif chemokine 4				6.25	6.47	NA
Natural killer cell receptor 2B4				6.26	6.33	NA
CD40L receptor				9.21	9.17	NA
T-cell surface glycoprotein CD5				4.05	4	NA
T cell surface glycoprotein CD6 isoform				3.78	3.64	NA
CUB domain-containing protein 1				2.41	2.43	NA
Macrophage colony-stimulating factor 1				7.86	7.86	NA
Cystatin D				6.75	6.77	NA
Fractalkine				6.65	6.52	NA
C-X-C motif chemokine 1				8.83	8.9	NA
C-X-C motif chemokine 10				9.64	9.6	NA
C-X-C motif chemokine 11				7.02	7.3	NA
C-X-C motif chemokine 5				12.5	12.58	NA
C-X-C motif chemokine 6				9.03	9.16	NA
C-X-C motif chemokine 9				7.29	7.21	NA
Delta and Notch-like epidermal growth factor-related receptor				7.33	7.29	NA
Eukaryotic translation initiation factor 4E-binding protein 1				5.61	5.68	NA
Protein S100-A12				5.24	5.1	NA
Fibroblast growth factor 19				8.02	8.01	NA
Fibroblast growth factor 21				4.09	3.14	NA
Fibroblast growth factor 23				2.58	2.72	NA
Fibroblast growth factor 5				1.52	1.49	NA
Fms-related tyrosine kinase 3 ligand				8.87	8.81	NA
Glial cell line-derived neurotrophic factor				2.18	2.21	NA
Hepatocyte growth factor				7.95	7.93	NA
Interferon gamma	****	****	****	0.99	1.02	NA
Interleukin-10				4.96	4.08	NA
Interleukin-10 receptor subunit alpha				1.35	1.39	NA
Interleukin-10 receptor subunit beta				7.45	7.44	NA
Interleukin-12 subunit beta				5.17	4.84	NA
Interleukin-13				1.61	1.63	NA
Interleukin-15 receptor subunit alpha				1.19	1.24	NA
Interleukin-17A				0.76	0.84	NA
Interleukin-17C				1.61	1.65	NA
Interleukin-18	*			6.71	6.96	NA
Interleukin-18 receptor 1				7.53	7.46	NA
Interleukin-1 alpha				1.75	1.84	NA
Interleukin-2	****	****	****	1.22	1.23	NA
Interleukin-20	*			0.8	0.87	NA
Interleukin-20 receptor subunit alpha				0.96	0.99	NA
Interleukin-22 receptor subunit alpha-1	****	****	****	2.26	2.26	NA
Interleukin-24	****	****	****	1.34	1.41	NA
Interleukin-2 receptor subunit beta				0.87	0.9	NA
Interleukin-33				1.43	1.5	NA
Interleukin-4	****	***	**	0.98	1.19	NA
Interleukin-5				2.43	2.15	NA
Interleukin-6				2.79	2.88	NA
Interleukin-7				5.13	5.22	NA
Interleukin-8				7.66	7.52	NA
Leukemia inhibitory factor				1.29	0.92	NA
Leukemia inhibitory factor receptor				3.52	3.46	NA
Monocyte chemotactic protein 1				10.05	9.81	NA
Monocyte chemotactic protein 2				10.09	10.06	NA
Monocyte chemotactic protein 3				2.24	2.33	NA
Monocyte chemotactic protein 4				3.77	3.55	NA
Matrix metalloproteinase-1				6.61	6.96	NA
Matrix metalloproteinase-10				8.7	8.96	NA
Neurturin				1.34	1.24	NA
Neurotrophin-3				2.08	2.1	NA
Osteoprotegerin				9.87	9.69	NA
Oncostatin-M				4.6	4.76	NA
Programmed cell death 1 ligand 1				5.21	4.85	NA
Stem cell factor				9.31	9.26	NA
SIR2-like protein 2				2.78	2.93	NA
Signaling lymphocytic activation molecule				3.03	3.1	NA
Sulfotransferase 1A1	**			1.51	2.07	NA
STAM-binding protein				2.42	2.63	NA
Transforming growth factor alpha				3.73	3.87	NA
Latency-associated peptide transforming growth factor beta-1				8.07	8.01	NA
Tumor necrosis factor				0.99	0.89	NA
TNF-beta				3.92	4	NA
Tumor necrosis factor receptor superfamily member 9				6.81	6.69	NA
Tumor necrosis factor ligand superfamily member 14				4.72	4.69	NA
TNF-related apoptosis-inducing ligand				8.08	8.24	NA
TNF-related activation-induced cytokine				5.42	5.65	NA
Thymic stromal lymphopoietin	****	****	****	1.08	1.1	NA
Tumor necrosis factor				9.05	8.96	NA
Urokinase-type plasminogen activator				10.03	9.96	NA
Vascular endothelial growth factor A				10.11	10.14	NA

Table 31: Women table for biomarkers significance, medicine Cerazette

Protein	No correction	Benjamini	Bonferroni	Avg Medicated	Avg Healthy	Image
Adenosine Deaminase				4.68	4.74	NA
Artemin				0.05	0.08	NA
Axin-1				1.14	1.12	NA
Brain-derived neurotrophic factor				4.66	4.11	NA
Beta-nerve growth factor				1.76	1.89	NA
Caspase-8				1.25	1.4	NA
Eotaxin				7.81	7.85	NA
C-C motif chemokine 19				9.51	9.42	NA
C-C motif chemokine 20				6.2	6.05	NA
C-C motif chemokine 23				9.34	9.31	NA
C-C motif chemokine 25	*			5.61	6.07	NA
C-C motif chemokine 28				1.21	1.27	NA
C-C motif chemokine 3				2.11	2.2	NA
C-C motif chemokine 4				6.56	6.47	NA
Natural killer cell receptor 2B4				6.31	6.33	NA
CD40L receptor				9.17	9.17	NA
T-cell surface glycoprotein CD5				4.02	4	NA
T cell surface glycoprotein CD6 isoform				3.63	3.64	NA
CUB domain-containing protein 1				2.43	2.43	NA
Macrophage colony-stimulating factor 1				7.84	7.86	NA
Cystatin D				6.89	6.77	NA
Fractalkine				6.58	6.52	NA
C-X-C motif chemokine 1				9.05	8.9	NA
C-X-C motif chemokine 10				9.37	9.6	NA
C-X-C motif chemokine 11				7.32	7.3	NA
C-X-C motif chemokine 5				12.52	12.58	NA
C-X-C motif chemokine 6				9.24	9.16	NA
C-X-C motif chemokine 9				7.09	7.21	NA
Delta and Notch-like epidermal growth factor-related receptor				7.28	7.29	NA
Eukaryotic translation initiation factor 4E-binding protein 1				5.87	5.68	NA
Protein S100-A12				5.45	5.1	NA
Fibroblast growth factor 19	**	*		7.17	8.01	NA
Fibroblast growth factor 21				3.16	3.14	NA
Fibroblast growth factor 23				3.05	2.72	NA
Fibroblast growth factor 5				1.47	1.49	NA
Fms-related tyrosine kinase 3 ligand				8.86	8.81	NA
Glial cell line-derived neurotrophic factor				2.11	2.21	NA
Hepatocyte growth factor				8.04	7.93	NA
Interferon gamma	****	****	****	0.99	1.02	NA
Interleukin-10				4.07	4.08	NA
Interleukin-10 receptor subunit alpha				1.41	1.39	NA
Interleukin-10 receptor subunit beta				7.49	7.44	NA
Interleukin-12 subunit beta				4.93	4.84	NA
Interleukin-13	****	****	****	1.54	1.63	NA
Interleukin-15 receptor subunit alpha				1.2	1.24	NA
Interleukin-17A				0.8	0.84	NA
Interleukin-17C	*			1.5	1.65	NA
Interleukin-18				6.98	6.96	NA
Interleukin-18 receptor 1				7.61	7.46	NA
Interleukin-1 alpha				1.81	1.84	NA
Interleukin-2	****	****	****	1.22	1.23	NA
Interleukin-20	*			0.8	0.87	NA
Interleukin-20 receptor subunit alpha				1.07	0.99	NA
Interleukin-22 receptor subunit alpha-1	****	****	****	2.26	2.26	NA
Interleukin-24				1.36	1.41	NA
Interleukin-2 receptor subunit beta	****	****	****	0.85	0.9	NA
Interleukin-33				1.44	1.5	NA
Interleukin-4				1.28	1.19	NA
Interleukin-5				2.45	2.15	NA
Interleukin-6				2.6	2.88	NA
Interleukin-7				5.21	5.22	NA
Interleukin-8				7.4	7.52	NA
Leukemia inhibitory factor				0.88	0.92	NA
Leukemia inhibitory factor receptor				3.45	3.46	NA
Monocyte chemotactic protein 1				9.74	9.81	NA
Monocyte chemotactic protein 2				10.21	10.06	NA
Monocyte chemotactic protein 3				2.13	2.33	NA
Monocyte chemotactic protein 4				3.61	3.55	NA
Matrix metalloproteinase-1				7.25	6.96	NA
Matrix metalloproteinase-10				8.83	8.96	NA
Neurturin	****	****	****	1.12	1.24	NA
Neurotrophin-3				2.06	2.1	NA
Osteoprotegerin				9.91	9.69	NA
Oncostatin-M				4.91	4.76	NA
Programmed cell death 1 ligand 1				4.84	4.85	NA
Stem cell factor				9.26	9.26	NA
SIR2-like protein 2				2.92	2.93	NA
Signaling lymphocytic activation molecule				2.93	3.1	NA
Sulfotransferase 1A1				1.92	2.07	NA
STAM-binding protein				2.59	2.63	NA
Transforming growth factor alpha				3.96	3.87	NA
Latency-associated peptide transforming growth factor beta-1				8.06	8.01	NA
Tumor necrosis factor	**	*		0.84	0.89	NA
TNF-beta				3.71	4	NA
Tumor necrosis factor receptor superfamily member 9				6.77	6.69	NA
Tumor necrosis factor ligand superfamily member 14				4.75	4.69	NA
TNF-related apoptosis-inducing ligand				8.19	8.24	NA
TNF-related activation-induced cytokine				5.47	5.65	NA
Thymic stromal lymphopoietin				1.13	1.1	NA
Tumor necrosis factor				8.85	8.96	NA
Urokinase-type plasminogen activator				9.92	9.96	NA
Vascular endothelial growth factor A				10.21	10.14	NA

Table 32: Women table for biomarkers significance, medicine Imigran

Protein	No correction	Benjamini	Bonferroni	Avg Medicated	Avg Healthy	Image
Adenosine Deaminase	*			5.09	4.74	NA
Artemin	****	****	****	0.03	0.08	NA
Axin-1				0.92	1.12	NA
Brain-derived neurotrophic factor				6.68	4.11	NA
Beta-nerve growth factor				2.15	1.89	NA
Caspase-8				1.7	1.4	NA
Eotaxin				7.42	7.85	NA
C-C motif chemokine 19				9.49	9.42	NA
C-C motif chemokine 20				5.67	6.05	NA
C-C motif chemokine 23				9.46	9.31	NA
C-C motif chemokine 25				6.22	6.07	NA
C-C motif chemokine 28				1.13	1.27	NA
C-C motif chemokine 3				2.37	2.2	NA
C-C motif chemokine 4				6.58	6.47	NA
Natural killer cell receptor 2B4				6.37	6.33	NA
CD40L receptor				9.29	9.17	NA
T-cell surface glycoprotein CD5				4.15	4	NA
T cell surface glycoprotein CD6 isoform				4.05	3.64	NA
CUB domain-containing protein 1				2.69	2.43	NA
Macrophage colony-stimulating factor 1				8.14	7.86	NA
Cystatin D				6.64	6.77	NA
Fractalkine				6.67	6.52	NA
C-X-C motif chemokine 1				8.77	8.9	NA
C-X-C motif chemokine 10				9.66	9.6	NA
C-X-C motif chemokine 11				7.12	7.3	NA
C-X-C motif chemokine 5				12.55	12.58	NA
C-X-C motif chemokine 6				8.76	9.16	NA
C-X-C motif chemokine 9				7.68	7.21	NA
Delta and Notch-like epidermal growth factor-related receptor				7.45	7.29	NA
Eukaryotic translation initiation factor 4E-binding protein 1	**	*		4.12	5.68	NA
Protein S100-A12				5.3	5.1	NA
Fibroblast growth factor 19				8.23	8.01	NA
Fibroblast growth factor 21				3.11	3.14	NA
Fibroblast growth factor 23	****	****	***	2.1	2.72	NA
Fibroblast growth factor 5				1.43	1.49	NA
Fms-related tyrosine kinase 3 ligand				8.87	8.81	NA
Glial cell line-derived neurotrophic factor	****	***	**	1.71	2.21	NA
Hepatocyte growth factor				7.82	7.93	NA
Interferon gamma	****	****	****	0.99	1.02	NA
Interleukin-10				4.34	4.08	NA
Interleukin-10 receptor subunit alpha				1.4	1.39	NA
Interleukin-10 receptor subunit beta				7.52	7.44	NA
Interleukin-12 subunit beta				4.78	4.84	NA
Interleukin-13	****	****	****	1.54	1.63	NA
Interleukin-15 receptor subunit alpha				1.25	1.24	NA
Interleukin-17A				0.73	0.84	NA
Interleukin-17C				1.53	1.65	NA
Interleukin-18	*			7.3	6.96	NA
Interleukin-18 receptor 1				7.72	7.46	NA
Interleukin-1 alpha				2.69	1.84	NA
Interleukin-2	****	****	****	1.22	1.23	NA
Interleukin-20				0.97	0.87	NA
Interleukin-20 receptor subunit alpha	***	**	*	0.88	0.99	NA
Interleukin-22 receptor subunit alpha-1	****	****	****	2.26	2.26	NA
Interleukin-24	****	****	****	1.34	1.41	NA
Interleukin-2 receptor subunit beta				0.95	0.9	NA
Interleukin-33	****	****	****	1.43	1.5	NA
Interleukin-4				1.25	1.19	NA
Interleukin-5				2.09	2.15	NA
Interleukin-6				3.06	2.88	NA
Interleukin-7				5.36	5.22	NA
Interleukin-8				7.32	7.52	NA
Leukemia inhibitory factor	****	****	****	0.8	0.92	NA
Leukemia inhibitory factor receptor				3.29	3.46	NA
Monocyte chemotactic protein 1				9.7	9.81	NA
Monocyte chemotactic protein 2				9.92	10.06	NA
Monocyte chemotactic protein 3				2.2	2.33	NA
Monocyte chemotactic protein 4				3	3.55	NA
Matrix metalloproteinase-1	*			7.45	6.96	NA
Matrix metalloproteinase-10				9.18	8.96	NA
Neurturin	****	****	****	1.12	1.24	NA
Neurotrophin-3				2.02	2.1	NA
Osteoprotegerin	**	*		9.96	9.69	NA
Oncostatin-M				4.74	4.76	NA
Programmed cell death 1 ligand 1				4.99	4.85	NA
Stem cell factor				9.11	9.26	NA
SIR2-like protein 2				2.87	2.93	NA
Signaling lymphocytic activation molecule				2.91	3.1	NA
Sulfotransferase 1A1				1.98	2.07	NA
STAM-binding protein				2.44	2.63	NA
Transforming growth factor alpha				3.92	3.87	NA
Latency-associated peptide transforming growth factor beta-1				8.08	8.01	NA
Tumor necrosis factor	**	*		0.84	0.89	NA
TNF-beta				4.14	4	NA
Tumor necrosis factor receptor superfamily member 9				6.59	6.69	NA
Tumor necrosis factor ligand superfamily member 14				4.75	4.69	NA
TNF-related apoptosis-inducing ligand	**	*		7.92	8.24	NA
TNF-related activation-induced cytokine	**	*		4.42	5.65	NA
Thymic stromal lymphopoietin				1.13	1.1	NA
Tumor necrosis factor				8.82	8.96	NA
Urokinase-type plasminogen activator				9.94	9.96	NA
Vascular endothelial growth factor A				10.51	10.14	NA

Table 33: Women table for biomarkers significance, medicine Yasminelle

Protein	No correction	Benjamini	Bonferroni	Avg Medicated	Avg Healthy	Image
Adenosine Deaminase				4.86	4.74	NA
Artemin				0.18	0.08	NA
Axin-1				1.08	1.12	NA
Brain-derived neurotrophic factor				2.9	4.11	NA
Beta-nerve growth factor	*			2.04	1.89	NA
Caspase-8				1.34	1.4	NA
Eotaxin				7.59	7.85	NA
C-C motif chemokine 19				9.55	9.42	NA
C-C motif chemokine 20				5.86	6.05	NA
C-C motif chemokine 23				9.48	9.31	NA
C-C motif chemokine 25				5.67	6.07	NA
C-C motif chemokine 28				1.54	1.27	NA
C-C motif chemokine 3				2.32	2.2	NA
C-C motif chemokine 4				6.75	6.47	NA
Natural killer cell receptor 2B4				6.4	6.33	NA
CD40L receptor				9.15	9.17	NA
T-cell surface glycoprotein CD5				4.06	4	NA
T cell surface glycoprotein CD6 isoform				3.66	3.64	NA
CUB domain-containing protein 1				2.43	2.43	NA
Macrophage colony-stimulating factor 1	*			8.1	7.86	NA
Cystatin D				6.68	6.77	NA
Fractalkine	**	*		6.73	6.52	NA
C-X-C motif chemokine 1				8.93	8.9	NA
C-X-C motif chemokine 10	**			10.25	9.6	NA
C-X-C motif chemokine 11	**	*		8.07	7.3	NA
C-X-C motif chemokine 5				12.78	12.58	NA
C-X-C motif chemokine 6				8.99	9.16	NA
C-X-C motif chemokine 9	*			7.9	7.21	NA
Delta and Notch-like epidermal growth factor-related receptor				7.15	7.29	NA
Eukaryotic translation initiation factor 4E-binding protein 1	**			4.27	5.68	NA
Protein S100-A12				5.19	5.1	NA
Fibroblast growth factor 19				8.09	8.01	NA
Fibroblast growth factor 21				2.9	3.14	NA
Fibroblast growth factor 23	**			2.34	2.72	NA
Fibroblast growth factor 5	*			1.26	1.49	NA
Fms-related tyrosine kinase 3 ligand				8.81	8.81	NA
Glial cell line-derived neurotrophic factor	***	*		1.78	2.21	NA
Hepatocyte growth factor				7.93	7.93	NA
Interferon gamma				1.03	1.02	NA
Interleukin-10				4.41	4.08	NA
Interleukin-10 receptor subunit alpha				1.26	1.39	NA
Interleukin-10 receptor subunit beta				7.62	7.44	NA
Interleukin-12 subunit beta				5.03	4.84	NA
Interleukin-13				1.89	1.63	NA
Interleukin-15 receptor subunit alpha				1.16	1.24	NA
Interleukin-17A				0.94	0.84	NA
Interleukin-17C				1.68	1.65	NA
Interleukin-18	*			7.28	6.96	NA
Interleukin-18 receptor 1				7.75	7.46	NA
Interleukin-1 alpha				1.71	1.84	NA
Interleukin-2	****	****	****	1.22	1.23	NA
Interleukin-20	*			0.8	0.87	NA
Interleukin-20 receptor subunit alpha				0.92	0.99	NA
Interleukin-22 receptor subunit alpha-1	****	****	****	2.26	2.26	NA
Interleukin-24	****	****	****	1.34	1.41	NA
Interleukin-2 receptor subunit beta	****	****	****	0.85	0.9	NA
Interleukin-33	****	****	****	1.43	1.5	NA
Interleukin-4				1.46	1.19	NA
Interleukin-5				2.17	2.15	NA
Interleukin-6				3.11	2.88	NA
Interleukin-7				5.32	5.22	NA
Interleukin-8				7.57	7.52	NA
Leukemia inhibitory factor				0.85	0.92	NA
Leukemia inhibitory factor receptor	*			3.14	3.46	NA
Monocyte chemotactic protein 1				9.71	9.81	NA
Monocyte chemotactic protein 2				10.17	10.06	NA
Monocyte chemotactic protein 3				2.2	2.33	NA
Monocyte chemotactic protein 4				3.25	3.55	NA
Matrix metalloproteinase-1				7.18	6.96	NA
Matrix metalloproteinase-10				9.73	8.96	NA
Neurturin				1.17	1.24	NA
Neurotrophin-3				2.04	2.1	NA
Osteoprotegerin				9.66	9.69	NA
Oncostatin-M				5	4.76	NA
Programmed cell death 1 ligand 1				4.86	4.85	NA
Stem cell factor				8.96	9.26	NA
SIR2-like protein 2				2.79	2.93	NA
Signaling lymphocytic activation molecule				3.08	3.1	NA
Sulfotransferase 1A1				2.29	2.07	NA
STAM-binding protein				2.41	2.63	NA
Transforming growth factor alpha				4	3.87	NA
Latency-associated peptide transforming growth factor beta-1				7.88	8.01	NA
Tumor necrosis factor				1.02	0.89	NA
TNF-beta				4.17	4	NA
Tumor necrosis factor receptor superfamily member 9				6.59	6.69	NA
Tumor necrosis factor ligand superfamily member 14				4.91	4.69	NA
TNF-related apoptosis-inducing ligand				8.19	8.24	NA
TNF-related activation-induced cytokine				5.41	5.65	NA
Thymic stromal lymphopoietin				1.08	1.1	NA
Tumor necrosis factor	*			8.65	8.96	NA
Urokinase-type plasminogen activator	**			9.6	9.96	NA
Vascular endothelial growth factor A				10.34	10.14	NA

Table 34: Women table for biomarkers significance, medicine Flutide

Protein	No correction	Benjamini	Bonferroni	Avg Medicated	Avg Healthy	Image
Adenosine Deaminase				4.64	4.74	NA
Artemin	****	****	****	0.03	0.08	NA
Axin-1				1.11	1.12	NA
Brain-derived neurotrophic factor				4.8	4.11	NA
Beta-nerve growth factor				1.96	1.89	NA
Caspase-8				1.52	1.4	NA
Eotaxin				7.81	7.85	NA
C-C motif chemokine 19				9.58	9.42	NA
C-C motif chemokine 20				6.64	6.05	NA
C-C motif chemokine 23				9.47	9.31	NA
C-C motif chemokine 25				6.34	6.07	NA
C-C motif chemokine 28				1.31	1.27	NA
C-C motif chemokine 3				2.08	2.2	NA
C-C motif chemokine 4				6.59	6.47	NA
Natural killer cell receptor 2B4				6.41	6.33	NA
CD40L receptor				9.17	9.17	NA
T-cell surface glycoprotein CD5				3.99	4	NA
T cell surface glycoprotein CD6 isoform				3.71	3.64	NA
CUB domain-containing protein 1				2.43	2.43	NA
Macrophage colony-stimulating factor 1				7.92	7.86	NA
Cystatin D				6.89	6.77	NA
Fractalkine				6.65	6.52	NA
C-X-C motif chemokine 1				8.57	8.9	NA
C-X-C motif chemokine 10				9.63	9.6	NA
C-X-C motif chemokine 11				7.33	7.3	NA
C-X-C motif chemokine 5				12.57	12.58	NA
C-X-C motif chemokine 6				8.98	9.16	NA
C-X-C motif chemokine 9				7.38	7.21	NA
Delta and Notch-like epidermal growth factor-related receptor				7.23	7.29	NA
Eukaryotic translation initiation factor 4E-binding protein 1				5.53	5.68	NA
Protein S100-A12				5.42	5.1	NA
Fibroblast growth factor 19				8.3	8.01	NA
Fibroblast growth factor 21				3.45	3.14	NA
Fibroblast growth factor 23				2.7	2.72	NA
Fibroblast growth factor 5				1.58	1.49	NA
Fms-related tyrosine kinase 3 ligand				8.99	8.81	NA
Glial cell line-derived neurotrophic factor				2.49	2.21	NA
Hepatocyte growth factor				8.18	7.93	NA
Interferon gamma				1.01	1.02	NA
Interleukin-10				4.29	4.08	NA
Interleukin-10 receptor subunit alpha				1.22	1.39	NA
Interleukin-10 receptor subunit beta				7.4	7.44	NA
Interleukin-12 subunit beta				4.54	4.84	NA
Interleukin-13				1.65	1.63	NA
Interleukin-15 receptor subunit alpha				1.22	1.24	NA
Interleukin-17A				0.72	0.84	NA
Interleukin-17C				1.89	1.65	NA
Interleukin-18				7.27	6.96	NA
Interleukin-18 receptor 1				7.48	7.46	NA
Interleukin-1 alpha				2.02	1.84	NA
Interleukin-2	****	****	****	1.22	1.23	NA
Interleukin-20	*			0.8	0.87	NA
Interleukin-20 receptor subunit alpha				1.04	0.99	NA
Interleukin-22 receptor subunit alpha-1	****	****	****	2.26	2.26	NA
Interleukin-24	****	****	****	1.34	1.41	NA
Interleukin-2 receptor subunit beta	****	****	****	0.85	0.9	NA
Interleukin-33	****	****	****	1.43	1.5	NA
Interleukin-4	*			1.01	1.19	NA
Interleukin-5				3.9	2.15	NA
Interleukin-6				3.03	2.88	NA
Interleukin-7				5.08	5.22	NA
Interleukin-8				7.41	7.52	NA
Leukemia inhibitory factor				0.91	0.92	NA
Leukemia inhibitory factor receptor				3.4	3.46	NA
Monocyte chemotactic protein 1				10.17	9.81	NA
Monocyte chemotactic protein 2				10.45	10.06	NA
Monocyte chemotactic protein 3				2.26	2.33	NA
Monocyte chemotactic protein 4				3.54	3.55	NA
Matrix metalloproteinase-1				7.29	6.96	NA
Matrix metalloproteinase-10				8.77	8.96	NA
Neurturin				2.06	1.24	NA
Neurotrophin-3				2.05	2.1	NA
Osteoprotegerin				9.73	9.69	NA
Oncostatin-M				5.2	4.76	NA
Programmed cell death 1 ligand 1				5	4.85	NA
Stem cell factor				9.22	9.26	NA
SIR2-like protein 2				2.92	2.93	NA
Signaling lymphocytic activation molecule				3.28	3.1	NA
Sulfotransferase 1A1				2.06	2.07	NA
STAM-binding protein				2.61	2.63	NA
Transforming growth factor alpha				4.45	3.87	NA
Latency-associated peptide transforming growth factor beta-1				8.21	8.01	NA
Tumor necrosis factor				0.85	0.89	NA
TNF-beta				3.81	4	NA
Tumor necrosis factor receptor superfamily member 9				6.68	6.69	NA
Tumor necrosis factor ligand superfamily member 14				5	4.69	NA
TNF-related apoptosis-inducing ligand				8.4	8.24	NA
TNF-related activation-induced cytokine				5.76	5.65	NA
Thymic stromal lymphopoietin	****	****	****	1.08	1.1	NA
Tumor necrosis factor				8.86	8.96	NA
Urokinase-type plasminogen activator				9.93	9.96	NA
Vascular endothelial growth factor A				10.34	10.14	NA

Table 35: Women table for biomarkers significance, medicine Symbicort

Protein	No correction	Benjamini	Bonferroni	Avg Medicated	Avg Healthy	Image
Adenosine Deaminase				4.82	4.74	NA
Artemin				0.05	0.08	NA
Axin-1				1.18	1.12	NA
Brain-derived neurotrophic factor				6.27	4.11	NA
Beta-nerve growth factor				1.92	1.89	NA
Caspase-8				1.42	1.4	NA
Eotaxin				7.75	7.85	NA
C-C motif chemokine 19				10.37	9.42	NA
C-C motif chemokine 20				6	6.05	NA
C-C motif chemokine 23				9.39	9.31	NA
C-C motif chemokine 25				6.22	6.07	NA
C-C motif chemokine 28				1.34	1.27	NA
C-C motif chemokine 3				2.41	2.2	NA
C-C motif chemokine 4	*			6.75	6.47	NA
Natural killer cell receptor 2B4				6.59	6.33	NA
CD40L receptor				9.27	9.17	NA
T-cell surface glycoprotein CD5				4.23	4	NA
T cell surface glycoprotein CD6 isoform				4.1	3.64	NA
CUB domain-containing protein 1				2.57	2.43	NA
Macrophage colony-stimulating factor 1				7.86	7.86	NA
Cystatin D				6.94	6.77	NA
Fractalkine				6.62	6.52	NA
C-X-C motif chemokine 1				8.73	8.9	NA
C-X-C motif chemokine 10				9.31	9.6	NA
C-X-C motif chemokine 11				7.13	7.3	NA
C-X-C motif chemokine 5				12.54	12.58	NA
C-X-C motif chemokine 6				8.96	9.16	NA
C-X-C motif chemokine 9				7.18	7.21	NA
Delta and Notch-like epidermal growth factor-related receptor	*			7.49	7.29	NA
Eukaryotic translation initiation factor 4E-binding protein 1				5.51	5.68	NA
Protein S100-A12				5.76	5.1	NA
Fibroblast growth factor 19				8.21	8.01	NA
Fibroblast growth factor 21				2.75	3.14	NA
Fibroblast growth factor 23				2.77	2.72	NA
Fibroblast growth factor 5				1.5	1.49	NA
Fms-related tyrosine kinase 3 ligand				9.16	8.81	NA
Glial cell line-derived neurotrophic factor				2.23	2.21	NA
Hepatocyte growth factor				8.01	7.93	NA
Interferon gamma	****	****	****	0.99	1.02	NA
Interleukin-10				4.02	4.08	NA
Interleukin-10 receptor subunit alpha				1.9	1.39	NA
Interleukin-10 receptor subunit beta				7.63	7.44	NA
Interleukin-12 subunit beta	**	*		5.35	4.84	NA
Interleukin-13	****	****	****	1.54	1.63	NA
Interleukin-15 receptor subunit alpha				1.25	1.24	NA
Interleukin-17A				0.66	0.84	NA
Interleukin-17C				1.54	1.65	NA
Interleukin-18				7.06	6.96	NA
Interleukin-18 receptor 1				7.39	7.46	NA
Interleukin-1 alpha	****	****	****	1.8	1.84	NA
Interleukin-2	****	****	****	1.22	1.23	NA
Interleukin-20	****	****	****	0.81	0.87	NA
Interleukin-20 receptor subunit alpha				1.52	0.99	NA
Interleukin-22 receptor subunit alpha-1	****	****	****	2.26	2.26	NA
Interleukin-24	****	****	****	1.34	1.41	NA
Interleukin-2 receptor subunit beta				0.97	0.9	NA
Interleukin-33	****	****	****	1.43	1.5	NA
Interleukin-4				1.39	1.19	NA
Interleukin-5				2.59	2.15	NA
Interleukin-6				2.77	2.88	NA
Interleukin-7				5.26	5.22	NA
Interleukin-8				7.64	7.52	NA
Leukemia inhibitory factor	****	****	****	0.8	0.92	NA
Leukemia inhibitory factor receptor				3.5	3.46	NA
Monocyte chemotactic protein 1				9.84	9.81	NA
Monocyte chemotactic protein 2				10.24	10.06	NA
Monocyte chemotactic protein 3				2.14	2.33	NA
Monocyte chemotactic protein 4				3.47	3.55	NA
Matrix metalloproteinase-1				7.14	6.96	NA
Matrix metalloproteinase-10				8.99	8.96	NA
Neurturin				1.41	1.24	NA
Neurotrophin-3				2.07	2.1	NA
Osteoprotegerin				9.87	9.69	NA
Oncostatin-M				4.85	4.76	NA
Programmed cell death 1 ligand 1				4.98	4.85	NA
Stem cell factor				9.35	9.26	NA
SIR2-like protein 2				2.87	2.93	NA
Signaling lymphocytic activation molecule				3.12	3.1	NA
Sulfotransferase 1A1				1.94	2.07	NA
STAM-binding protein				2.63	2.63	NA
Transforming growth factor alpha				4.16	3.87	NA
Latency-associated peptide transforming growth factor beta-1	****	***	**	8.15	8.01	NA
Tumor necrosis factor	*			0.84	0.89	NA
TNF-beta				4.18	4	NA
Tumor necrosis factor receptor superfamily member 9				6.67	6.69	NA
Tumor necrosis factor ligand superfamily member 14				4.86	4.69	NA
TNF-related apoptosis-inducing ligand				8.27	8.24	NA
TNF-related activation-induced cytokine				5.43	5.65	NA
Thymic stromal lymphopoietin	****	****	****	1.08	1.1	NA
Tumor necrosis factor				9	8.96	NA
Urokinase-type plasminogen activator				10.06	9.96	NA
Vascular endothelial growth factor A				10.12	10.14	NA

Table 36: Women table for biomarkers significance, medicine Livostin

Protein	No correction	Benjamini	Bonferroni	Avg Medicated	Avg Healthy	Image
Adenosine Deaminase				5	4.74	NA
Artemin	****	****	****	0.03	0.08	NA
Axin-1				0.98	1.12	NA
Brain-derived neurotrophic factor				2.7	4.11	NA
Beta-nerve growth factor				2	1.89	NA
Caspase-8				1.21	1.4	NA
Eotaxin				7.68	7.85	NA
C-C motif chemokine 19				9.3	9.42	NA
C-C motif chemokine 20				6.66	6.05	NA
C-C motif chemokine 23				9.46	9.31	NA
C-C motif chemokine 25				6.41	6.07	NA
C-C motif chemokine 28				1.38	1.27	NA
C-C motif chemokine 3				2.3	2.2	NA
C-C motif chemokine 4				6.7	6.47	NA
Natural killer cell receptor 2B4	*			6.12	6.33	NA
CD40L receptor				9.19	9.17	NA
T-cell surface glycoprotein CD5				3.91	4	NA
T cell surface glycoprotein CD6 isoform				3.88	3.64	NA
CUB domain-containing protein 1				2.23	2.43	NA
Macrophage colony-stimulating factor 1				8.01	7.86	NA
Cystatin D				6.56	6.77	NA
Fractalkine				6.46	6.52	NA
C-X-C motif chemokine 1				8.92	8.9	NA
C-X-C motif chemokine 10				9.82	9.6	NA
C-X-C motif chemokine 11				7.55	7.3	NA
C-X-C motif chemokine 5				12.55	12.58	NA
C-X-C motif chemokine 6				9.22	9.16	NA
C-X-C motif chemokine 9				7.73	7.21	NA
Delta and Notch-like epidermal growth factor-related receptor				7.29	7.29	NA
Eukaryotic translation initiation factor 4E-binding protein 1				4.83	5.68	NA
Protein S100-A12				4.89	5.1	NA
Fibroblast growth factor 19				8.67	8.01	NA
Fibroblast growth factor 21				3.29	3.14	NA
Fibroblast growth factor 23				2.72	2.72	NA
Fibroblast growth factor 5	*			1.36	1.49	NA
Fms-related tyrosine kinase 3 ligand				8.8	8.81	NA
Glial cell line-derived neurotrophic factor				1.98	2.21	NA
Hepatocyte growth factor				8.09	7.93	NA
Interferon gamma	****	****	****	0.99	1.02	NA
Interleukin-10				4.25	4.08	NA
Interleukin-10 receptor subunit alpha				2.16	1.39	NA
Interleukin-10 receptor subunit beta				7.33	7.44	NA
Interleukin-12 subunit beta				5.12	4.84	NA
Interleukin-13	*			1.55	1.63	NA
Interleukin-15 receptor subunit alpha				1.15	1.24	NA
Interleukin-17A				0.72	0.84	NA
Interleukin-17C				1.8	1.65	NA
Interleukin-18				7.41	6.96	NA
Interleukin-18 receptor 1	*			7.68	7.46	NA
Interleukin-1 alpha				3.71	1.84	NA
Interleukin-2	****	****	****	1.22	1.23	NA
Interleukin-20	*			0.79	0.87	NA
Interleukin-20 receptor subunit alpha	*			0.91	0.99	NA
Interleukin-22 receptor subunit alpha-1	****	****	****	2.26	2.26	NA
Interleukin-24	****	****	****	1.34	1.41	NA
Interleukin-2 receptor subunit beta	****	****	****	0.85	0.9	NA
Interleukin-33	****	****	****	1.43	1.5	NA
Interleukin-4				1.55	1.19	NA
Interleukin-5	**	*		1.76	2.15	NA
Interleukin-6				2.93	2.88	NA
Interleukin-7				5.58	5.22	NA
Interleukin-8				7.8	7.52	NA
Leukemia inhibitory factor	**			0.8	0.92	NA
Leukemia inhibitory factor receptor				3.18	3.46	NA
Monocyte chemotactic protein 1				10.01	9.81	NA
Monocyte chemotactic protein 2				10.24	10.06	NA
Monocyte chemotactic protein 3				2.18	2.33	NA
Monocyte chemotactic protein 4				3.36	3.55	NA
Matrix metalloproteinase-1				7.13	6.96	NA
Matrix metalloproteinase-10				9.24	8.96	NA
Neurturin	****	****	****	1.12	1.24	NA
Neurotrophin-3				1.88	2.1	NA
Osteoprotegerin				9.97	9.69	NA
Oncostatin-M				5	4.76	NA
Programmed cell death 1 ligand 1				4.92	4.85	NA
Stem cell factor				8.92	9.26	NA
SIR2-like protein 2				2.56	2.93	NA
Signaling lymphocytic activation molecule	*			3.32	3.1	NA
Sulfotransferase 1A1				1.49	2.07	NA
STAM-binding protein				2.26	2.63	NA
Transforming growth factor alpha				3.75	3.87	NA
Latency-associated peptide transforming growth factor beta-1				8.11	8.01	NA
Tumor necrosis factor	**	*		0.84	0.89	NA
TNF-beta				3.85	4	NA
Tumor necrosis factor receptor superfamily member 9				6.65	6.69	NA
Tumor necrosis factor ligand superfamily member 14				4.72	4.69	NA
TNF-related apoptosis-inducing ligand				8.15	8.24	NA
TNF-related activation-induced cytokine				4.99	5.65	NA
Thymic stromal lymphopoietin	****	****	****	1.08	1.1	NA
Tumor necrosis factor				8.7	8.96	NA
Urokinase-type plasminogen activator				9.61	9.96	NA
Vascular endothelial growth factor A				10.36	10.14	NA

Table 37: Women table for biomarkers significance, medicine Ibux 600 mg

Protein	No correction	Benjamini	Bonferroni	Avg Medicated	Avg Healthy	Image
Adenosine Deaminase				4.56	4.74	NA
Artemin				0.05	0.08	NA
Axin-1				1.59	1.12	NA
Brain-derived neurotrophic factor				2.36	4.11	NA
Beta-nerve growth factor	*			1.66	1.89	NA
Caspase-8				1.32	1.4	NA
Eotaxin				7.74	7.85	NA
C-C motif chemokine 19				9.25	9.42	NA
C-C motif chemokine 20				6.1	6.05	NA
C-C motif chemokine 23				9.58	9.31	NA
C-C motif chemokine 25				5.71	6.07	NA
C-C motif chemokine 28				1.04	1.27	NA
C-C motif chemokine 3	*			2	2.2	NA
C-C motif chemokine 4				6.32	6.47	NA
Natural killer cell receptor 2B4				6.22	6.33	NA
CD40L receptor				9.28	9.17	NA
T-cell surface glycoprotein CD5				4.02	4	NA
T cell surface glycoprotein CD6 isoform				3.59	3.64	NA
CUB domain-containing protein 1				2.32	2.43	NA
Macrophage colony-stimulating factor 1				7.75	7.86	NA
Cystatin D				6.53	6.77	NA
Fractalkine				6.66	6.52	NA
C-X-C motif chemokine 1				8.87	8.9	NA
C-X-C motif chemokine 10				9.46	9.6	NA
C-X-C motif chemokine 11				7.14	7.3	NA
C-X-C motif chemokine 5				12.21	12.58	NA
C-X-C motif chemokine 6				8.9	9.16	NA
C-X-C motif chemokine 9				7.58	7.21	NA
Delta and Notch-like epidermal growth factor-related receptor	*			6.99	7.29	NA
Eukaryotic translation initiation factor 4E-binding protein 1				5.85	5.68	NA
Protein S100-A12				5.39	5.1	NA
Fibroblast growth factor 19				8.18	8.01	NA
Fibroblast growth factor 21				2.57	3.14	NA
Fibroblast growth factor 23				2.57	2.72	NA
Fibroblast growth factor 5				1.52	1.49	NA
Fms-related tyrosine kinase 3 ligand				8.79	8.81	NA
Glial cell line-derived neurotrophic factor				1.91	2.21	NA
Hepatocyte growth factor				7.93	7.93	NA
Interferon gamma	****	****	****	0.99	1.02	NA
Interleukin-10				3.88	4.08	NA
Interleukin-10 receptor subunit alpha				0.98	1.39	NA
Interleukin-10 receptor subunit beta				7.35	7.44	NA
Interleukin-12 subunit beta	**			5.35	4.84	NA
Interleukin-13	****	****	****	1.54	1.63	NA
Interleukin-15 receptor subunit alpha				1.16	1.24	NA
Interleukin-17A				1.02	0.84	NA
Interleukin-17C				1.51	1.65	NA
Interleukin-18				6.9	6.96	NA
Interleukin-18 receptor 1				7.55	7.46	NA
Interleukin-1 alpha				1.6	1.84	NA
Interleukin-2	****	****	****	1.22	1.23	NA
Interleukin-20	*			0.79	0.87	NA
Interleukin-20 receptor subunit alpha	***	**	*	0.88	0.99	NA
Interleukin-22 receptor subunit alpha-1	****	****	****	2.26	2.26	NA
Interleukin-24	****	****	****	1.34	1.41	NA
Interleukin-2 receptor subunit beta	**	*		0.85	0.9	NA
Interleukin-33	****	****	****	1.43	1.5	NA
Interleukin-4				1.85	1.19	NA
Interleukin-5				2.12	2.15	NA
Interleukin-6				2.68	2.88	NA
Interleukin-7	*			4.85	5.22	NA
Interleukin-8				7.31	7.52	NA
Leukemia inhibitory factor	*			0.81	0.92	NA
Leukemia inhibitory factor receptor				3.28	3.46	NA
Monocyte chemotactic protein 1				9.69	9.81	NA
Monocyte chemotactic protein 2				9.9	10.06	NA
Monocyte chemotactic protein 3				2.15	2.33	NA
Monocyte chemotactic protein 4				3.35	3.55	NA
Matrix metalloproteinase-1				7	6.96	NA
Matrix metalloproteinase-10				9.37	8.96	NA
Neurturin				1.24	1.24	NA
Neurotrophin-3	**	*		1.7	2.1	NA
Osteoprotegerin				9.52	9.69	NA
Oncostatin-M				5.03	4.76	NA
Programmed cell death 1 ligand 1				4.73	4.85	NA
Stem cell factor				9.26	9.26	NA
SIR2-like protein 2				3.37	2.93	NA
Signaling lymphocytic activation molecule				3.03	3.1	NA
Sulfotransferase 1A1				2.71	2.07	NA
STAM-binding protein				2.72	2.63	NA
Transforming growth factor alpha				4	3.87	NA
Latency-associated peptide transforming growth factor beta-1				7.97	8.01	NA
Tumor necrosis factor	**	*		0.84	0.89	NA
TNF-beta				4.3	4	NA
Tumor necrosis factor receptor superfamily member 9				6.77	6.69	NA
Tumor necrosis factor ligand superfamily member 14				5.08	4.69	NA
TNF-related apoptosis-inducing ligand				8.06	8.24	NA
TNF-related activation-induced cytokine				5.21	5.65	NA
Thymic stromal lymphopoietin	****	****	****	1.08	1.1	NA
Tumor necrosis factor				8.93	8.96	NA
Urokinase-type plasminogen activator	*			9.68	9.96	NA
Vascular endothelial growth factor A				10.23	10.14	NA

Table 38: Women table for biomarkers significance, medicine Depo-provera

Protein	No correction	Benjamini	Bonferroni	Avg Medicated	Avg Healthy	Image
Adenosine Deaminase				4.86	4.74	NA
Artemin	****	****	****	0.03	0.08	NA
Axin-1				1.04	1.12	NA
Brain-derived neurotrophic factor				3.4	4.11	NA
Beta-nerve growth factor				2.04	1.89	NA
Caspase-8	*			1.77	1.4	NA
Eotaxin				7.74	7.85	NA
C-C motif chemokine 19	*			9.09	9.42	NA
C-C motif chemokine 20				6.03	6.05	NA
C-C motif chemokine 23				9.39	9.31	NA
C-C motif chemokine 25				6.19	6.07	NA
C-C motif chemokine 28				1.46	1.27	NA
C-C motif chemokine 3				2.11	2.2	NA
C-C motif chemokine 4				6.5	6.47	NA
Natural killer cell receptor 2B4				6.39	6.33	NA
CD40L receptor				9.28	9.17	NA
T-cell surface glycoprotein CD5				3.9	4	NA
T cell surface glycoprotein CD6 isoform				3.58	3.64	NA
CUB domain-containing protein 1	*			2.22	2.43	NA
Macrophage colony-stimulating factor 1				7.92	7.86	NA
Cystatin D				6.7	6.77	NA
Fractalkine				6.49	6.52	NA
C-X-C motif chemokine 1				8.7	8.9	NA
C-X-C motif chemokine 10	*			9.01	9.6	NA
C-X-C motif chemokine 11				6.9	7.3	NA
C-X-C motif chemokine 5				12.55	12.58	NA
C-X-C motif chemokine 6				8.81	9.16	NA
C-X-C motif chemokine 9				7.07	7.21	NA
Delta and Notch-like epidermal growth factor-related receptor				7.21	7.29	NA
Eukaryotic translation initiation factor 4E-binding protein 1				5.78	5.68	NA
Protein S100-A12				5.22	5.1	NA
Fibroblast growth factor 19				8.76	8.01	NA
Fibroblast growth factor 21				2.64	3.14	NA
Fibroblast growth factor 23				2.65	2.72	NA
Fibroblast growth factor 5				1.29	1.49	NA
Fms-related tyrosine kinase 3 ligand				8.91	8.81	NA
Glial cell line-derived neurotrophic factor				2.3	2.21	NA
Hepatocyte growth factor				7.95	7.93	NA
Interferon gamma	****	****	****	0.99	1.02	NA
Interleukin-10				4.05	4.08	NA
Interleukin-10 receptor subunit alpha				1.15	1.39	NA
Interleukin-10 receptor subunit beta				7.55	7.44	NA
Interleukin-12 subunit beta				4.77	4.84	NA
Interleukin-13	****	****	****	1.54	1.63	NA
Interleukin-15 receptor subunit alpha				1.08	1.24	NA
Interleukin-17A				0.79	0.84	NA
Interleukin-17C				1.8	1.65	NA
Interleukin-18				7.02	6.96	NA
Interleukin-18 receptor 1				7.4	7.46	NA
Interleukin-1 alpha				1.88	1.84	NA
Interleukin-2	****	****	****	1.22	1.23	NA
Interleukin-20	*			0.77	0.87	NA
Interleukin-20 receptor subunit alpha				0.93	0.99	NA
Interleukin-22 receptor subunit alpha-1	****	****	****	2.26	2.26	NA
Interleukin-24	****	****	****	1.34	1.41	NA
Interleukin-2 receptor subunit beta	****	****	****	0.85	0.9	NA
Interleukin-33	****	****	****	1.43	1.5	NA
Interleukin-4				1.08	1.19	NA
Interleukin-5				3.62	2.15	NA
Interleukin-6				2.57	2.88	NA
Interleukin-7				5.02	5.22	NA
Interleukin-8				7.47	7.52	NA
Leukemia inhibitory factor	****	****	****	0.8	0.92	NA
Leukemia inhibitory factor receptor				3.27	3.46	NA
Monocyte chemotactic protein 1				9.98	9.81	NA
Monocyte chemotactic protein 2				9.69	10.06	NA
Monocyte chemotactic protein 3	**	*		1.98	2.33	NA
Monocyte chemotactic protein 4				3.28	3.55	NA
Matrix metalloproteinase-1				6.89	6.96	NA
Matrix metalloproteinase-10				8.92	8.96	NA
Neurturin				2.29	1.24	NA
Neurotrophin-3				1.96	2.1	NA
Osteoprotegerin				9.64	9.69	NA
Oncostatin-M				4.72	4.76	NA
Programmed cell death 1 ligand 1				4.74	4.85	NA
Stem cell factor				9.23	9.26	NA
SIR2-like protein 2				2.83	2.93	NA
Signaling lymphocytic activation molecule	***	**	*	2.88	3.1	NA
Sulfotransferase 1A1				2.66	2.07	NA
STAM-binding protein				2.59	2.63	NA
Transforming growth factor alpha				4.12	3.87	NA
Latency-associated peptide transforming growth factor beta-1				8.17	8.01	NA
Tumor necrosis factor	**	*		0.83	0.89	NA
TNF-beta				3.53	4	NA
Tumor necrosis factor receptor superfamily member 9				6.71	6.69	NA
Tumor necrosis factor ligand superfamily member 14				4.71	4.69	NA
TNF-related apoptosis-inducing ligand				8.07	8.24	NA
TNF-related activation-induced cytokine				5.7	5.65	NA
Thymic stromal lymphopoietin	****	****	****	1.08	1.1	NA
Tumor necrosis factor				8.9	8.96	NA
Urokinase-type plasminogen activator				9.84	9.96	NA
Vascular endothelial growth factor A				10.43	10.14	NA

Table 39: Women table for biomarkers significance, medicine Bricanyl

2 Images

3 Change History

This section helps keeping track of all the changes done in the document.

0.1

Nothing yet.