

Legend**Model1** - without covariate correction**Model2** - corrected for sex, age and tobacco smoking status**Model3** - corrected for sex, age, tobacco smoking status, diabetes mellitus and hypertension**Supplementary Table 1**

Protein	Uniprot ID	model1_coefficien	model1_pvalue	model2_coefficien	model2_pvalue
IL-2RB	P14784	-0.2074015	0.00536044	-0.2044712	0.00717794
IL-22RA1	Q8N6P7	0.30131742	0.0040253	0.28357	0.00797375
TWEAK	O43508	-0.1697901	0.00573001	-0.1532155	0.01346396
CX3CL1	P78423	-0.12401	0.05174692	-0.165444	0.00882109
CD6	Q8WWJ7	-0.1866935	0.02500671	-0.1967279	0.02097468
CD5	P06127	-0.1123583	0.06072401	-0.1360542	0.02515249
LAP TGF-beta1	P01137	-0.1322654	0.06567925	-0.1360412	0.06290613
LIF-R	P42702	-0.050018	0.24666346	-0.0759543	0.07715522
TRAIL	P50591	-0.0832005	0.18955286	-0.1370691	0.02659984
NT-3	P20783	-0.1193888	0.04156997	-0.128493	0.03015393
CCL23	P55773	-0.1301902	0.12349114	-0.1698479	0.04399408
IL4	P05112	-0.1641334	0.16076705	-0.2098463	0.07738771
IL-17A	Q16552	-0.0415327	0.47834373	-0.0983832	0.07862681
TRANCE	O14788	-0.3003205	0.0330619	-0.2367457	0.08417863
IL33	O95760	-0.0777619	0.17534225	-0.1007575	0.08236795
uPA	P00749	-0.05885	0.31162137	-0.1070467	0.0600881
CCL20	P78556	0.41824912	0.01436991	0.37012466	0.03157188
MCP-2	P80075	-0.1835417	0.18980269	-0.2767245	0.04387402
NRTN	Q99748	-0.1572787	0.14731811	-0.1901157	0.08555266
DNER	Q8NFT8	-0.0799597	0.08731467	-0.091749	0.04689522
ST1A1	P50225	0.26704772	0.13543312	0.26509349	0.14810449
IL10	P22301	0.11853018	0.09267052	0.12258564	0.08708871
IL-18R1	Q13478	-0.0797171	0.48866028	-0.1697372	0.12874149
CD244	Q9BZW8	-0.0846813	0.18550557	-0.0808871	0.21590627
Beta-NGF	P01138	-0.0358424	0.12956878	-0.0299913	0.21023312
IL-20RA	Q9UHF4	-0.1322006	0.12189741	-0.1227227	0.15720609
ARTN	Q5T4W7	0.15795373	0.087777711	0.14315445	0.12945322
IL-17C	Q9P0M4	0.26942268	0.03570392	0.22173571	0.08638134
CCL3	P10147	0.00852367	0.94137951	-0.0966121	0.37690015
MMP-1	P03956	-0.1913937	0.21977743	-0.2402111	0.12477147
PD-L1	Q9NZQ7	-0.0649949	0.41286721	-0.1026403	0.19731434
CSF-1	P09603	-0.010027	0.80318722	-0.0399923	0.3062501
TNFRSF9	Q07011	-0.0266567	0.73656732	-0.0958159	0.2092457
IL-10RB	Q08334	-0.2352816	0.14472695	-0.222477	0.1779449
CD8A	P01732	-0.1594398	0.21273795	-0.1199065	0.35192837
CD40	P25942	0.0118765	0.85000051	-0.0535645	0.35508117
CCL4	P13236	-0.0589695	0.62597762	-0.10887	0.36524568
OPG	O00300	0.03422632	0.64105883	-0.0554249	0.38672198
FGF-5	Q8NF90	0.0076765	0.87044405	-0.0443772	0.29537612
IL-15RA	Q13261	-0.1638164	0.35132631	-0.1988758	0.26466119
IFN-gamma	P01579	0.20313037	0.24569596	0.18086491	0.30785798
SCF	P21583	-0.1005694	0.16793232	-0.0868413	0.23189293

FGF-19	O95750	0.16192027	0.33602024	0.12357727	0.47027889
IL7	P13232	-0.0895784	0.31495369	-0.0695814	0.44254304
CCL11	P51671	0.15971804	0.06724234	0.0649087	0.41822906
TNFB	P01374	-0.111168	0.198556	-0.0664967	0.44088405
LIF	P15018	-0.1159187	0.31335626	-0.107271	0.36086199
CXCL1	P09341	-0.0572663	0.56615265	-0.051889	0.60683478
IL-20	Q9NYY1	-0.0684359	0.38427165	-0.0677037	0.39914617
CXCL11	O14625	-0.0300244	0.8405368	-0.0966836	0.50192505
BP1	Q13541	0.22819475	0.10778153	0.13527379	0.33445306
MMP-10	P09238	0.12228295	0.36053465	0.08903553	0.50692092
MCP-1	P13500	0.16168832	0.06127696	0.06958551	0.38326977
SLAMF1	Q13291	0.03331311	0.6333081	-0.0295637	0.65972153
IL-24	Q13007	-0.0478064	0.70130624	-0.0852391	0.50320961
IL-1alpha	P01583	-0.012936	0.83194995	-0.0279048	0.63932071
CCL25	O15444	0.18560416	0.10527908	0.084365	0.44617397
CASP-8	Q14790	0.11248604	0.12184057	0.05234022	0.45838046
CST5	P28325	-0.0157032	0.86260227	-0.0763642	0.38137082
IL2	P60568	-0.0285158	0.48443327	-0.027159	0.51551102
IL5	P05113	-0.1567404	0.5049552	-0.1333394	0.57502894
CCL19	Q99731	0.24989678	0.12920182	0.13374614	0.40861021
IL-12B	P29460	0.04111084	0.44471494	-0.0134899	0.78996279
ADA	P00813	-0.0131303	0.84461173	-0.0450364	0.48961685
MCP-3	P80098	0.17855966	0.10439754	0.0919798	0.38240323
AXIN1	O15169	0.07218153	0.49826972	0.04937444	0.64878274
EN-RAGE	P80511	0.07360255	0.57775543	0.05506205	0.68332313
TGF-alpha	P01135	0.10542255	0.36129472	0.08145027	0.47572144
IL-10RA	Q13651	0.12363276	0.22435879	0.05584024	0.57929166
HGF	P14210	0.08986265	0.28773464	0.01566694	0.8471686
CXCL6	P80162	0.11207892	0.33766582	0.09936388	0.40603139
FGF-23	Q9GZV9	0.07602944	0.47856395	0.08058223	0.45110927
CXCL9	Q07325	0.22599566	0.10068326	0.07950118	0.4922435
TSLP	Q969D9	0.0729457	0.5782665	0.06259325	0.64031871
CCL28	Q9NRJ3	0.01956031	0.84304541	-0.0469494	0.61357387
IL13	P35225	0.07155375	0.31601389	0.02949624	0.6743319
TNFSF14	O43557	0.02212468	0.83869868	-0.0137515	0.89944531
CXCL5	P42830	0.04626124	0.73798625	-0.0057355	0.96513419
CXCL10	P02778	0.20325902	0.21802549	0.09469502	0.54824889
VEGFA	P15692	0.09819457	0.40187515	0.02092183	0.85540089
GNDF	P39905	0.04425858	0.50754986	-0.0064587	0.91938467
STAMBP	O95630	0.01825271	0.82531191	-0.0157914	0.85016405
IL6	P05231	0.25915809	0.10185155	0.1396906	0.36503896
MCP-4	Q99616	0.10794487	0.35085413	0.01392669	0.89926813
Flt3L	P49771	0.12098141	0.17451173	0.00464077	0.95149954
CDCP1	Q9H5V8	0.22156994	0.08985479	0.01810433	0.85798771
IL18	Q14116	0.06741038	0.31256023	0.00505677	0.93648237
SIRT2	Q8IXJ6	0.02965235	0.74230792	0.00024051	0.99790163
FGF-21	Q9NSA1	0.3308069	0.1946128	0.15181543	0.54765653
IL8	P10145	0.15815851	0.13440359	0.04508464	0.64692938

OSM	P13725	0.07740849	0.57713629	0.0412807	0.76613101
TNF	P01375	0.08812872	0.25043181	0.0246531	0.73583234

model3_coeficien	model3_pvalue
-0.2153216	0.00524843
0.2941946	0.00669126
-0.145877	0.02012613
-0.1447727	0.02109213
-0.1936454	0.02522431
-0.1371594	0.02553859
-0.1625931	0.0264601
-0.0907537	0.03498715
-0.1283632	0.04024214
-0.1207385	0.04421601
-0.1684766	0.04823507
-0.2285804	0.05749903
-0.1055388	0.06285669
-0.2560033	0.06557591
-0.1072853	0.06835797
-0.1041709	0.0710786
0.30259458	0.07769049
-0.238146	0.08263083
-0.1877704	0.09336217
-0.0760494	0.09960215
0.3037625	0.1012921
0.11662814	0.10841558
-0.1772253	0.11829062
-0.1020314	0.12044347
-0.0360312	0.13588436
-0.1288301	0.14348728
0.13881062	0.14753659
0.18778246	0.14860571
-0.1519922	0.15859515
-0.2228824	0.15890984
-0.1109807	0.1694885
-0.0511777	0.19162311
-0.1000604	0.19529027
-0.2082107	0.21403611
-0.1520264	0.24226898
-0.0669041	0.25298312
-0.132534	0.27610718
-0.0697729	0.27792894
-0.0461944	0.28343287
-0.1875507	0.30010092
0.17718063	0.32532336
-0.0693492	0.33941322

0.16384507	0.34319849
-0.085026	0.35400834
0.07262254	0.37079046
-0.0771898	0.37728934
-0.103987	0.38314605
-0.0828352	0.41395943
-0.0662164	0.41672501
-0.1154328	0.42641117
0.10935335	0.43930888
0.10506672	0.43999988
0.06064996	0.45305786
-0.0480807	0.47743307
-0.0881311	0.4930232
-0.0411487	0.49412385
0.07347854	0.51085327
0.04689678	0.51119726
-0.054272	0.53718411
-0.0257651	0.54354678
-0.1437898	0.55157481
0.09289325	0.56736444
-0.0283159	0.57789994
-0.0332497	0.61411125
0.05263152	0.61659522
0.0549202	0.61741149
0.06803165	0.61930732
0.05711103	0.6206245
0.04801955	0.63753385
-0.0357374	0.65101012
0.0510857	0.66657352
0.04522648	0.6733366
0.04361948	0.70593706
0.05062	0.7080565
-0.0340821	0.71745516
0.02523917	0.7232241
-0.0360539	0.74323399
-0.0408178	0.75762975
0.04395688	0.78137859
-0.0291498	0.79833623
-0.0156528	0.80777304
-0.0176555	0.83524498
0.02604151	0.8595156
0.01139951	0.9187221
0.0062272	0.93595274
-0.0080861	0.93672851
-0.0042019	0.9478916
0.00507986	0.95630797
-0.0064156	0.9791413
-0.0021374	0.98228015

-0.0020229	0.98842958
0.00080454	0.99123797