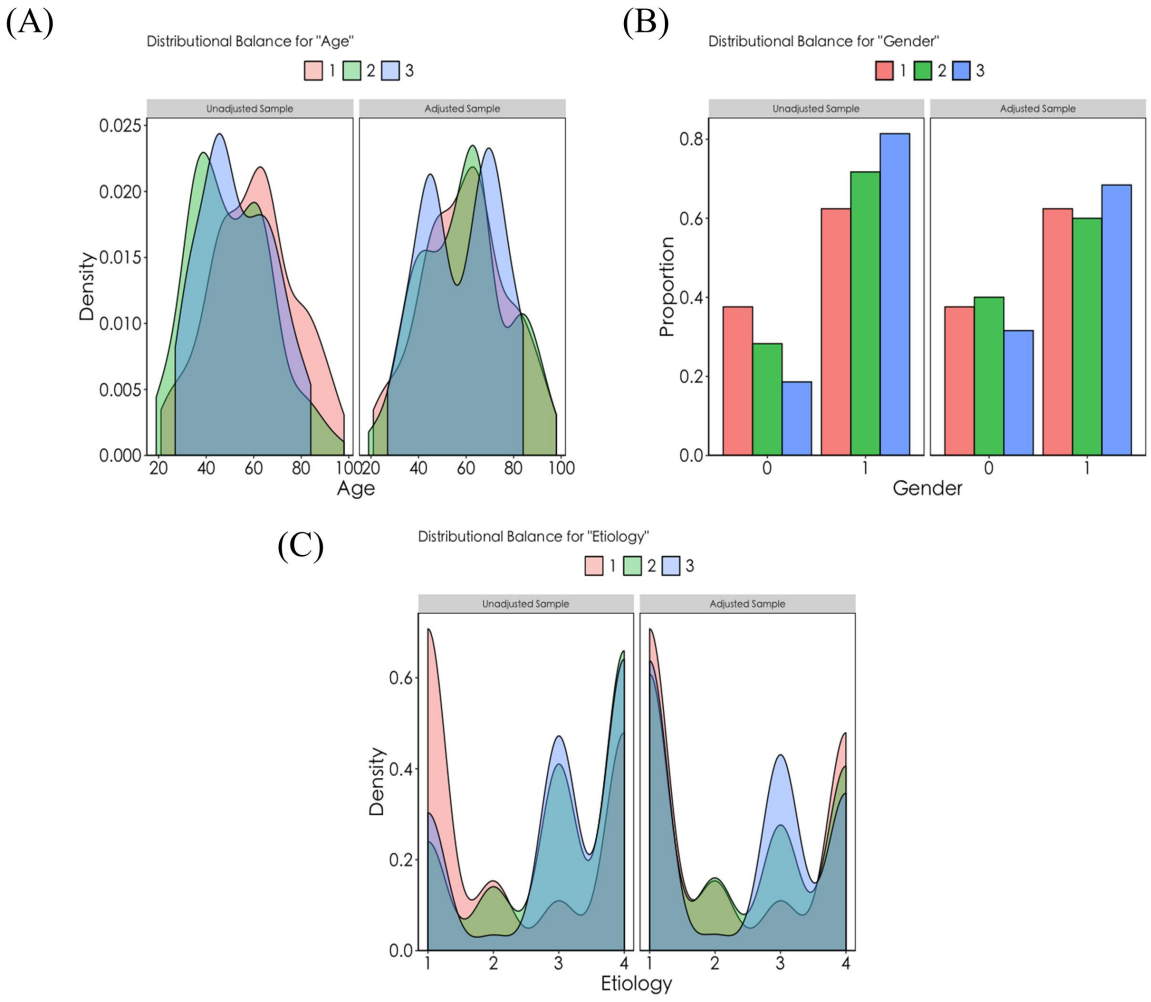
Comparison and visualization of the balance of covariates among the three groups weighted by the generalized propensity score

In **Supplementary Figure S1**： "1" stands for "CON group"; "2" stands for "QYKL group"; "3" stands for "Q&D group";

(1) Age (**Supplementary Figure S1A**);

(2) Gender(**Supplementary Figure S1B**);

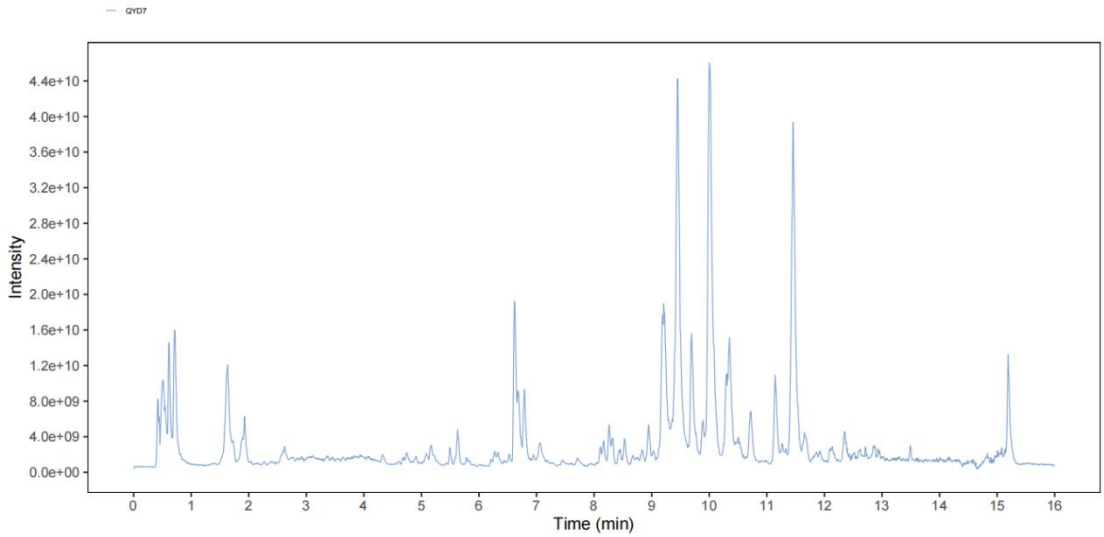
(3) Etiology (**Supplementary Figure S1C**);



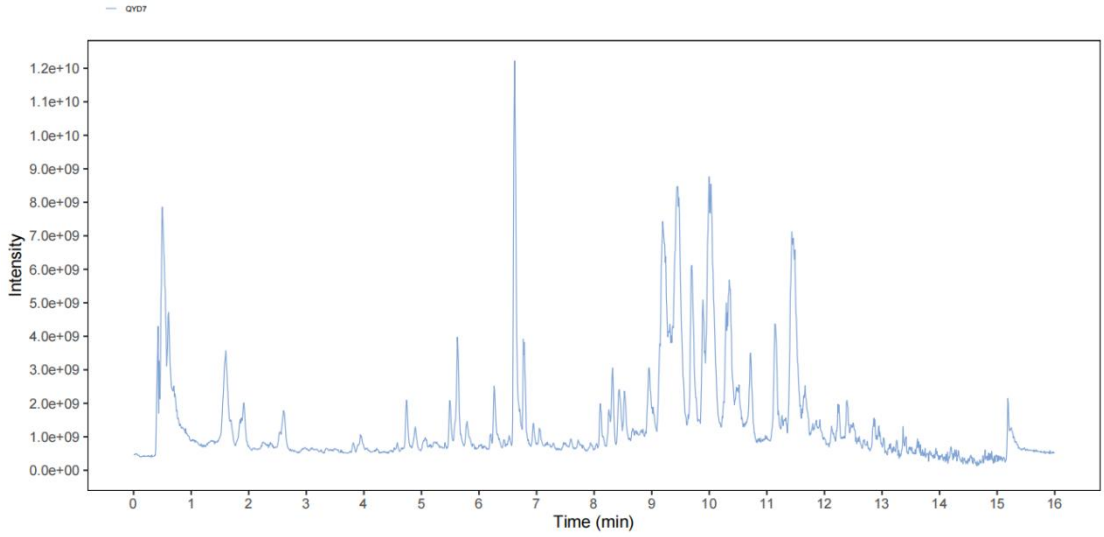
Supplementary Figure S1. Comparison of the distribution of the age (A), gender (B), and etiologies (C) of the three groups before and after GPSW.

Supplementary Figue 2**.** The total ion chromatogram.

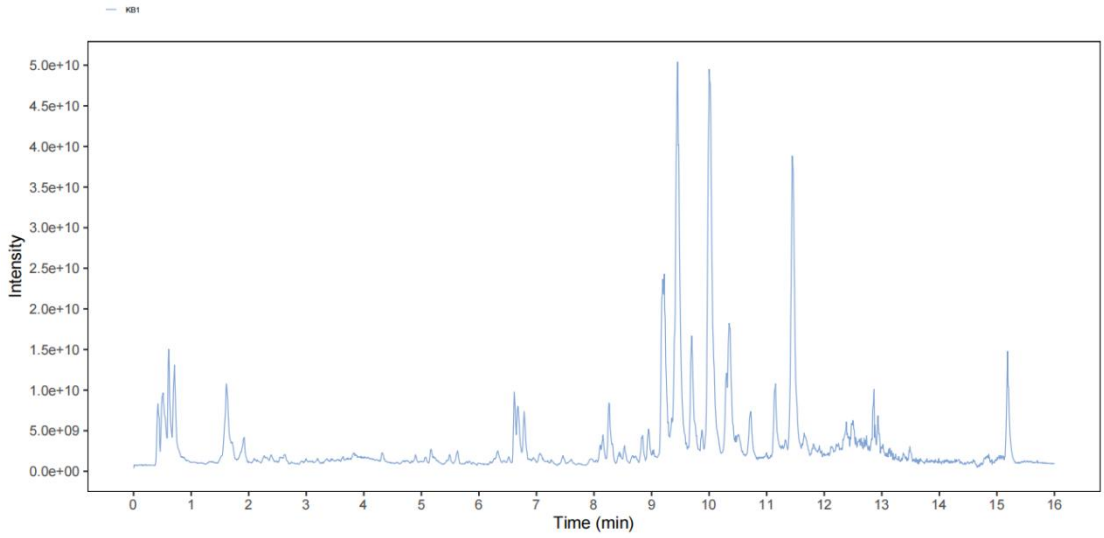
QYKL-POS



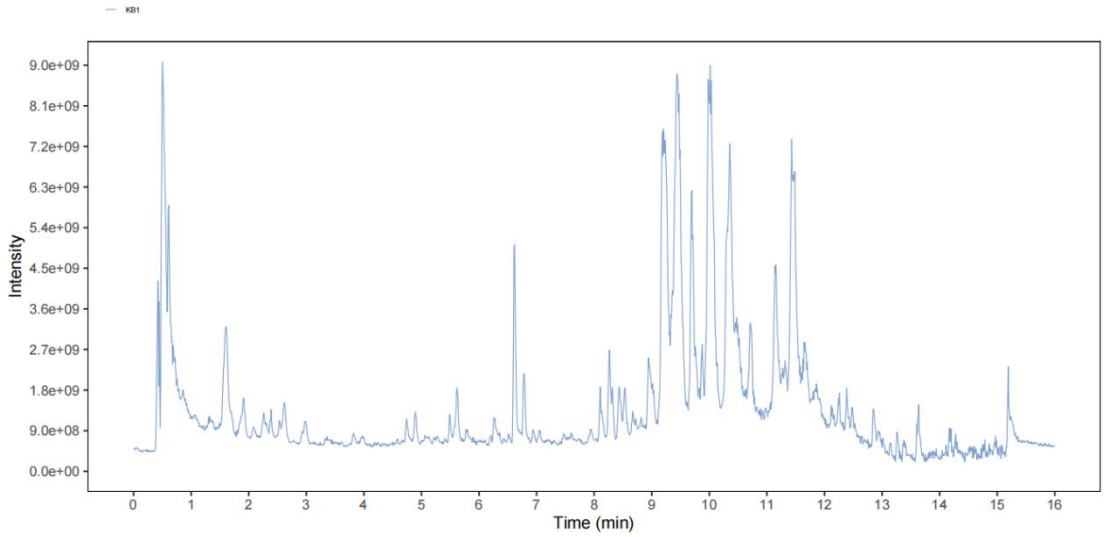
QYKL-NET



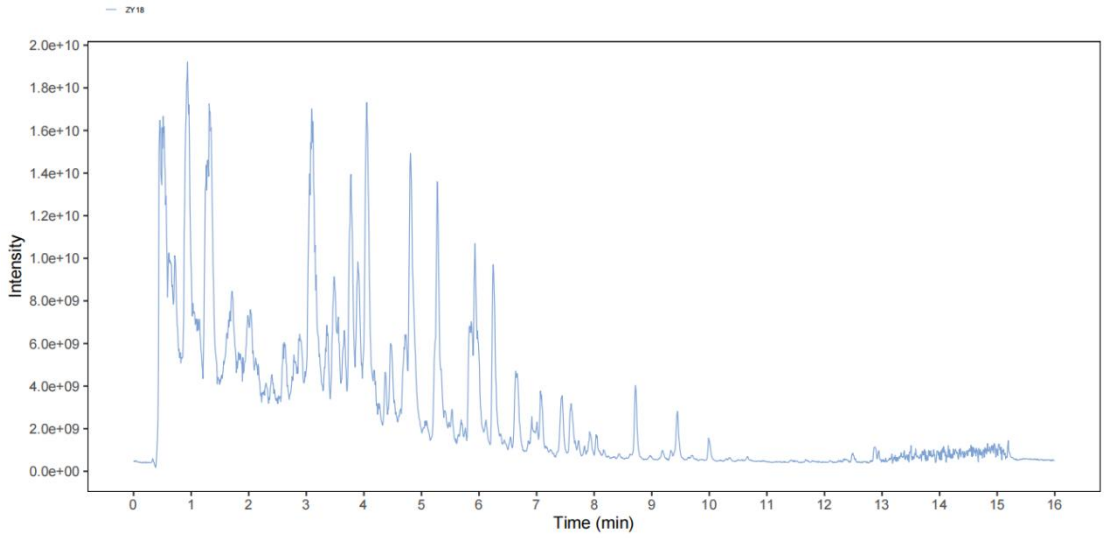
Blank serum-POS



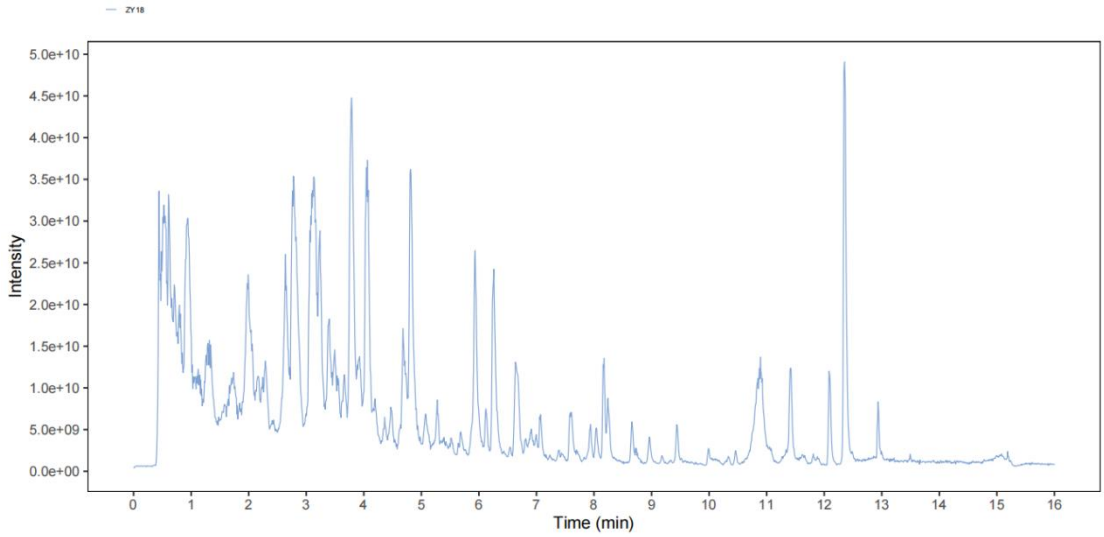
Blank serum-NET



QYKL serum-POS



QYKL serum-NET



Supplementary method S1

Retrospective Study

1. Diagnostic criteria

The diagnosis was confirmed by meeting two of the following criteria (refer to the 2012 Atlanta diagnostic criteria (Banks et al., 2013)):

1. Abdominal pain consistent with AP (acute, sudden, continuous, severe upper abdominal pain, which can radiate to the back);

2. Serum amylase (Amy) and lipase (Lps) are more than three times higher than the upper limit of normal;

3. Imaging examinations (enhanced CT/MRI or abdominal ultrasound) show AP characteristic changes (pancreatic edema or peripancreatic osmosis effusion).

2. Inclusion criteria

1. AP patients who meet the above diagnostic criteria;

2. Moderate severe acute pancreatitis (MSAP) is characterized by organ failure/local complication that last less than 48 hours—severe acute pancreatitis (SAP) is characterized by persistent organ dysfunction lasting more than 48 hours. The diagnostic criteria for organ dysfunction are based on the modified Marshall score system, with any organ score ≥2 being defined as having organ dysfunction;

3. Age > 18 years.

3. Exclusion criteria

1. Patients with severe heart, liver, and kidney diseases;

2. Patients with shock and cachexia;

3. Patients with recurrent AP;

4. Patients with a previous hematopoietic system primary disease;

5. Patients with earlier complications of rheumatic immune disorders or mental illness;

6. Pregnant and puerperal patients;

7. Patients with incomplete medical records.

4. Dropout or termination criteria

1. Those patients who failed to meet the diagnostic criteria after being included;

2. Those who were found to have other treatment options after being formed;

3. Those who had insufficient clinical data, which affected the judgment of the

curative effect;

4. Those who had been contained but did not adhere to the study's intervention methods;

5. Patients with serious adverse events caused by the study drug;

6. Patients who failed to follow the treatment plan and had poor compliance.

5 Grouping methods

5.1 CON group

The treatment of this group mainly refers to the *American College of Gastroenterology Guideline: Management of Acute Pancreatitis* published by the American College of Gastroenterology (ACG) in 2013 (Tenner et al., 2013), *The IAP/APA evidence-based guidelines for the management of acute pancreatitis*, issued by the International Association of Pancreatology (IAP) and the American Pancreatic Association (APA) (Working Group IAP/APA Acute Pancreatitis Guidelines 2013). Patients followed routine treatment plans, including general treatment, early fasting of water, continuous gastrointestinal decompression, acid suppression, enteral nutrition, maintenance of water, electrolyte and acid-base balance, preventive application of antibiotics and symptomatic treatment (analgesia and sedation, blood sugar control, anticoagulation, etc.).

5.2 QYKL group-"routine treatment plans + Qingyi granules"

The Qingyi granules used were prepared and developed by the Abdominal Emergency Surgery Department of the First Affiliated Hospital of Dalian Medical University. The ingredients include rhubarb, mirabilite, Gardenia, Scutellaria, Bupleurum, Putchunk, Corydalis, and Radix Paeoniae Alba. After admission, the AP patients were treated by a doctor of traditional Chinese medicine in the department after syndrome differentiation and treatment, including symptomatic treatment such as "removing stasis by purgation, soothing liver to regulate qi". The doctors also performed symptomatic therapy with Chinese medicine as early as possible for the patients in the hospital. The route of administration was oral administration, gastric tube injection, enema, or self-dispense with treatment. The dosage was 10 g, with two

daily doses. The dosing course varied from 2 to 10 days until the patient's AP symptoms were relieved.

5.3 Q&D group-"routine treatment plans + Qingyi granules + DEX"

The routine treatment and Qingyi Granules dosing regimen are the same as above. The DEX preparation was the DEX sodium phosphate injection produced by Sinopharm Rongsheng Pharmaceutical Co. Ltd, with the standard Sinopharm H41020036. The administration time was during the symptomatic treatment when the patient developed SIRS. The administration route was via intravenous injection. The administration dose was 5 mg/piece and was according to the different heights, weights of the patients and the clinician's judgment of the patient's condition. Then, the corresponding dose was given. The treatment course varied from 2 to 10 days, and treatment was given until the patient's AP symptoms were relieved.

6 Observation indicators

6.1 Baseline data

The baseline data included age, sex, nation, respiratory rate, body temperature, pulse, surgical history, etiology, severity classification, and symptoms at admission (such as nausea and vomiting).

6.2 Main efficacy indicators

The main efficacy indicators included (1) incidence of ALI/ARDS, (2) incidence of pleural effusion, and (3) mortality.

6.3 Secondary efficacy indicators

(1) Symptom improvement: duration of abdominal pain and bloating after admission; (2) Changes in physical signs: whether there were abnormal bowel sounds during hospitalization; (3) Laboratory indicators (difference between discharge and admission), including serum Amy and Lps, white blood cell count (WBC#), and neutrophil count (Neut#). Since Amy and Lps did not correlate with the severity of AP, it was only used as a secondary observation in this study. (4) Whether to admit the patient to the ICU; (5) Whether the patient should be treated with a ventilator.

The normal reference range of laboratory indicators in the First Affiliated Hospital of Dalian Medical University is as follows: serum Amy (30-110 U/L), serum Lps

(23-300 U/L), WBC# (3. 5-9. 5 $\times 10^9$/L), and Neut# (1. 8-6. 3 $\times 10^9$/L).

6.4 Economic indicators

The economic indicators included (1) length of hospital stay, (2) ICU stay and (3) treatment expense.

7. Statistical analysis

Statistical software R (Version 4. 1. 1; R Core Team, 2021) was used for statistical description and inference. The quantitative data was expressed as the mean and standard deviation, and the qualitative data was expressed as the frequency and percentage. The characteristics of the CON group, QYKL group, and Q&D group of patients were compared by one-factor analysis of variance, rank sum test, and test. A general linear model based on generalized propensity score weighting (GPSW) (Feng et al., 2012) and a binary logistic regression model was used to estimate the aforementioned curative effect, prognosis, and safety indicators between the various treatment groups in order to reduce the influence of confounding factors caused by the differences in baseline characteristics on prognosis and the differences in the safety indices between the groups. The inspection level is $\alpha = 0.05$. When $P < 0.05$, the difference was considered statistically significant.

Based on the calculated propensity scores, GPSW uses the principle of the standardization method to assign a corresponding weight to each study subject by the propensity score value for weighting so that the propensity score distribution is consistent in each group, thus achieving the purpose of eliminating the influence of confounding factors

References

Banks, P.A., Bollen, T.L., Dervenis, C., Gooszen, H.G., Johnson, C.D., Sarr, M.G., et al., 2013. Classification of acute pancreatitis--2012: revision of the Atlanta classification and definitions by international consensus. Gut 62, 102-111.

Working Group IAP/APA Acute Pancreatitis Guidelines, 2013. IAP/APA evidence-based guidelines for the management of acute pancreatitis. Pancreatology 13, e1-15.

Feng, P., Zhou, X.H., Zou, Q.M., Fan, M.Y., Li, X.S., 2012. Generalized propensity score for estimating the average treatment effect of multiple treatments. Stat Med 31, 681-697.

Tenner, S., Baillie, J., DeWitt, J., Vege, S.S., American College of Gastroenterology, 2013. American College of Gastroenterology guideline: management of acute pancreatitis. Am. J. Gastroenterol. 108, 1400-1415; 1416.

Supplementary method S2

2.2 Studies on the ingredients absorbed into the serum of QYKL

1. Materials, instruments, and reagents

HPLC-grade methanol and acetonitrile were purchased from CNW Technologies. HPLC-grade formic acid was purchased from SIGMA. QYKL was obtained as hospital preparations. Ultra-high-performance liquid chromatography (1290 UHPLC) was purchased from Agilent. High-resolution mass spectrometry (Q Exactive Focus) was purchased from Thermo Fisher Scientific, and column (ACQUITY UPLC BEH C18 1.7 μm 2.1*100 mm) was from Waters.

2. Analysis methods and data processing

Six QYKL samples, each weighing 100 mg, were collected, and 500 μL of the extract was added, followed by a vortex, homogenization, and an ultrasonic immersion in cold water. The samples were left at -40 °C for 1 h before being centrifuged at 4 °C and 12,000 rpm for 15 min. The supernatant was filtered through a 0.22 μm microporous membrane filter and stored at -80 ℃. 400 μL of serum was thawed at ambient temperature, and 40 μL of hydrochloric acid was added. The mixture was vortexed at 4 °C for 15 min. After repeating the preceding steps four times: 1) Add 1.6 mL acetonitrile vortex; 2) Centrifuge at 12000 rpm for 5 min; 3) Take 1.8 mL of supernatant blow-drying by using nitrogen. Then 150 μL 80 % methanol was added for resolution. The resolution was vortexed and centrifuged at 12000 rpm for 5 min. The sample vial contained 120 μL of supernatant for detection.

At 55 °C, 5 μL of samples were separated using a UPLC BEH C18 column (1.7 μm 2.1*100 mm) with an optimal flow rate of 500 μL/min. For primary and secondary mass spectrum data acquisition, the Q Exactive Focus mass spectrometer was controlled by control software (Xcalibur, Thermo Fisher Scientific) based on the FullScan-ddMS2 function. XCMS software was used to import the original mass spectrum. Retention time correction, peak recognition, peak extraction, peak integration, and peak alignment were carried out. The self-built secondary mass spectrum database and

corresponding cracking law matching method were utilized to identify the constituents of MSMS data-containing peaks. The collected raw mass spectrum data was processed to determine the chemical composition of QYKL. We converted the mass spectrum serum data to CSV format and uploaded it to the Metaboanalyst (https://www.metaboanalyst.ca/). Separately, we conducted principal component analysis and partial least square discriminant analysis, and VIP and P values were calculated between the components of the two groups. Compounds with a VIP value greater than 1 and a P value less than 0.05 were considered prototype constituents of QYKL absorbed into the serum.

Supplementary Table S1

AP_ARDS_SNPs											
SNP	effect_allele.exposure	other_allele.exposure	effect_allele.outcome	other_allele.outcome	beta.exposure	beta.outcome	pval.outcome	se.outcome	pval.exposure	se.exposure	F
rs113606801	T	C	T	C	-0.339477	-0.173578	0.492811	0.253086	1.73E-07	0.0649534	27.31598922
rs115343810	G	A	G	A	0.308734	-0.2913	0.317236	0.291255	4.21E-07	0.0610242	25.59556555
rs116743228	C	T	C	T	0.331817	0.045834	0.820272	0.201741	3.69E-15	0.0421888	61.85900351
rs147839099	G	A	G	A	0.235219	-0.091679	0.625117	0.187633	5.88E-09	0.0404137	33.87564492
rs150176211	A	G	A	G	-0.480993	-0.225066	0.383757	0.258401	2.59E-12	0.0687322	48.97303527
rs150450809	T	C	T	C	0.256891	0.0632874	0.787465	0.234741	4.29E-07	0.0508128	25.5594512
rs17864109	A	G	A	G	0.305162	-0.103651	0.73256	0.303319	2.78E-06	0.0651204	21.95971938
rs191041365	T	C	T	C	0.427578	-0.225048	0.401248	0.268108	3.22E-15	0.0542459	62.12935787
rs2395184	A	G	A	G	0.112527	0.0181226	0.858648	0.101758	1.17E-06	0.0231544	23.61817945
rs3098843	G	A	G	A	-0.088568	-0.067977	0.385223	0.078 3101	1.05E-06	0.0181991	23.8386422
rs4888	C	T	C	T	0.18837	0.0559	0.6580	0.126	8.65E-1	0.0307	37.607

362					6	296	02	345	0	178	19351
rs4987704	A	G	A	G	0.204151	-0.00739205	0.954323	0.129055	5.81E-13	0.0283357	51.90809986
rs62063640	A	G	A	G	-0.18272	-0.0601634	0.699533	0.155883	1.48E-06	0.0379523	23.17906816
rs73767325	A	G	A	G	0.0845882	-0.0490129	0.532444	0.078511	3.11E-06	0.0181378	21.74955369
rs7624577	A	G	A	G	0.0887149	0.00997981	0.901117	0.080 3203	1.56E-06	0.0184702	23.07012451
rs77028101	T	G	T	G	0.676875	0.838037	0.28827	0.789169	4.88E-06	0.14811	20.88565905
rs79359283	T	C	T	C	-0.675281	0.990984	0.020283	0.426954	6.06E-08	0.124656	29.34557927
rs949425	A	G	A	G	-0.236542	-0.0777914	0.636856	0.164778	7.51E-09	0.0409301	33.39880419
rs9636516	A	G	A	G	-0.091094	-0.0504334	0.524603	0.079 2647	7.83E-07	0.0184421	24.39825691

AP_Pleural effusion											
SNP	effect_allele.exposure	other_allele.exposure	effect_allele.outcome	other_allele.outcome	beta.exposure	beta.outcome	pval.outcome	se.outcome	pval.exposure	se.exposure	F
rs113606801	T	C	T	C	-0.339477	-0.0328385	0.641657	0.0705624	1.73E-07	0.0649534	27.31598922
rs115343810	G	A	G	A	0.308734	0.0114577	0.88652	0.0802871	4.21E-07	0.0610242	25.59556555

rs116743228	C	T	C	T	0.331817	-0.0220977	0.687933	0.0550157	3.69E-15	0.0421888	61.85900351
rs147839099	G	A	G	A	0.235219	-0.0470504	0.358756	0.0512677	5.88E-09	0.0404137	33.87564492
rs150176211	A	G	A	G	-0.480993	-0.0075 3508	0.918225	0.0733909	2.59E-12	0.0687322	48.97303527
rs150450809	T	C	T	C	0.256891	0.0864201	0.181966	0.0647475	4.29E-07	0.0508128	25.5594512
rs17864109	A	G	A	G	0.305162	-0.133126	0.106101	0.0823814	2.78E-06	0.0651204	21.95971938
rs191041365	T	C	T	C	0.427578	-0.0367825	0.622997	0.0748209	3.22E-15	0.0542459	62.12935787
rs3098843	G	A	G	A	-0.0888568	-0.048286	0.0236908	0.0213456	1.05E-06	0.0181991	23.8386422
rs4888362	C	T	C	T	0.188376	0.038774 8	0.256079	0.0341415	8.65E-10	0.0307178	37.60719351
rs4987704	A	G	A	G	0.204151	0.037403 8	0.287992	0.0352024	5.81E-13	0.0283357	51.90809986
rs62063640	A	G	A	G	-0.18272	0.044334 6	0.297501	0.0425554	1.48E-06	0.0379523	23.17906816
rs73767325	A	G	A	G	0.084582	-0.0054 7883	0.797931	0.0213996	3.11E-06	0.0181378	21.74955369
rs7624577	A	G	A	G	0.088714 9	0.004583 9	0.833942	0.021867	1.56E-06	0.0184702	23.07012451
rs77028101	T	G	T	G	0.676875	0.081132 4	0.707881	0.216524	4.88E-06	0.14811	20.88565905

rs79359283	T	C	T	C	-0.675281	0.187349	0.111409	0.117689	6.06E-08	0.124656	29.34557927
rs949425	A	G	A	G	-0.236542	-0.059462	0.186255	0.044988	7.51E-09	0.040930	33.39880419
rs9636516	A	G	A	G	-0.091094	-0.048955	0.023729	0.021647	7.83E-07	0.018421	24.39825691

AP_Pulmonary edema											
SNP	effect_allele.exposure	other_allele.exposure	effect_allele.outcome	other_allele.outcome	beta.exposure	beta.outcome	pval.outcome	se.outcome	pval.exposure	se.exposure	F
rs113606801	T	C	T	C	-0.339477	0.043703	0.834522	0.2092	0.000000173	0.0649534	27.31598922
rs115343810	G	A	G	A	0.308734	0.199182	0.408373	0.240919	0.000000421	0.0610242	25.59556555
rs116743228	C	T	C	T	0.331817	0.068508	0.682078	0.167245	3.69E-15	0.0421888	61.85900351
rs147839099	G	A	G	A	0.235219	-0.247903	0.107791	0.154149	5.88E-09	0.0404137	33.87564492
rs150176211	A	G	A	G	-0.480993	-0.018385	0.931498	0.2145	2.59E-12	0.0687322	48.97303527
rs150450809	T	C	T	C	0.256891	0.149704	0.439552	0.193678	0.000000429	0.0508128	25.5594512
rs178644109	A	G	A	G	0.305162	-0.492421	0.051318	0.252678	0.00000278	0.0651204	21.95971938
rs1910	T	C	T	C	0.42757	0.07570	0.73612	0.2246	3.22E-1	0.0542	62.129

41365					8	5	7	53	5	459	35787
rs2395184	A	G	A	G	0.112527	-0.0459919	0.586358	0.0845252	0.00000117	0.0231544	23.61817945
rs3098843	G	A	G	A	-0.0888568	-0.0525773	0.417614	0.0648648	0.00000105	0.0181991	23.8386422
rs4888362	C	T	C	T	0.188376	0.0180407	0.863817	0.105183	8.65E-10	0.0307178	37.60719351
rs4987704	A	G	A	G	0.204151	-0.00347237	0.974126	0.10706	5.81E-13	0.0283357	51.90809986
rs62063640	A	G	A	G	-0.18272	0.121211	0.349064	0.129443	0.00000148	0.0379523	23.17906816
rs73767325	A	G	A	G	0.0845882	0.118126	0.0704206	0.0652918	0.00000311	0.0181378	21.74955369
rs7624577	A	G	A	G	0.0887149	0.0176294	0.791371	0.0666442	0.00000156	0.0184702	23.07012451
rs77028101	T	G	T	G	0.676875	0.805755	0.233522	0.676345	0.00000488	0.14811	20.88565905
rs79359283	T	C	T	C	-0.675281	-0.33006	0.35506	0.356892	6.06E-08	0.124656	29.34557927
rs949425	A	G	A	G	-0.236542	-0.0438711	0.74904	0.137137	7.51E-09	0.0409301	33.39880419
rs9636516	A	G	A	G	-0.091094	0.20497	0.00128301	0.0636604	0.000000783	0.0184421	24.39825691

AAP_ARDS

SNP	effect_allele.exposure	other_allele.exposure	effect_allele.outcome	other_allele.outcome	beta.exposure	beta.outcome	pval.outcome	se.outcome	pval.exposure	se.exposure	F
rs10035432	A	G	A	G	0.192168	0.0239923	0.835354	0.115436	3.22E-08	0.0347572	30.56839064
rs10755490	G	A	G	A	0.113112	0.0497239	0.525462	0.0783116	4.63E-06	0.0246928	20.98343 99
rs10847506	T	C	T	C	0.142569	-0.0058 0512	0.952097	0.0966339	4.95E-06	0.0312186	20.85563226
rs114434804	G	T	G	T	0.320147	0.0650589	0.791702	0.246342	4.10E-06	0.0695015	21.21829668
rs115343810	G	A	G	A	0.508651	-0.2913	0.317236	0.291255	5.02E-11	0.0774163	43.16929769
rs115428418	T	C	T	C	-0.34084	-0.225618	0.231784	0.188679	1.99E-07	0.0655378	27.0468938
rs116180834	A	G	A	G	0.429795	0.099854	0.738003	0.298518	1.07E-07	0.0808774	28.24023816
rs116276626	T	C	T	C	0.431727	0.0658619	0.841821	0.330027	3.48E-06	0.0930409	21.53131797
rs116743228	C	T	C	T	0.472026	0.0458345	0.820272	0.201741	5.52E-18	0.0546195	74.6855187
rs12532408	A	G	A	G	0.245277	0.139609	0.407773	0.168647	6.01E-07	0.049144	24.90993801
rs147839099	G	A	G	A	0.326531	-0.0916796	0.625117	0.187633	8.54E-10	0.0532278	37.6332568
rs180841391	T	G	T	G	0.363085	0.00375726	0.988636	0.263793	1.64E-06	0.0757563	22.97095782

rs19104 1365	T	C	T	C	0.650801	-0.225048	0.401248	0.268108	1.04E-21	0.0679856	91.63524677
rs2099700	A	G	A	G	0.179618	0.0685167	0.596978	0.129582	3.96E-06	0.0389342	21.28321 35
rs4726575	G	T	G	T	0.166796	-0.0519109	0.520517	0.0807891	8.35E-11	0.025684	42.17411135
rs5312712 10	A	G	A	G	-0.486814	-0.533054	0.046983	0.268351	6.04E-07	0.0975601	24.89898509
rs6453912	T	C	T	C	0.123037	0.0206674	0.795143	0.0796008	8.78E-07	0.0250222	24.17800619
rs6501457	T	C	T	C	-0.126149	-0.0467768	0.594121	0.0877822	3.25E-06	0.0271022	21.66499198
rs6576081	C	T	C	T	0.129649	-0.0056 8063	0.945133	0.0825441	4.64E-07	0.0257204	25.40872693
rs72815830	A	G	A	G	0.293493	0.0749721	0.722307	0.210965	1.22E-06	0.0604892	23.541808
rs9271367	A	G	A	G	0.125912	0.12979 7	0.102351	0.0794562	5.53E-07	0.0251478	25.06884062
rs9635812	A	G	A	G	-0.133175	-0.100959	0.246125	0.0870475	1.86E-06	0.0279319	22.73235627
rs9842794	T	G	T	G	0.115586	0.114742	0.143581	0.0784517	2.80E-06	0.0246728	21.94692061

AAP_Pleural effusion											
SNP	effect_allele.	other_allele.	effect_allele.	other_allele.	beta.exp	beta.out	pval.out	se.out	pval.exp	se.exp	F

	exposure	exposure	outcome	outcome	osure	come	come	come	osure	osure	
rs10035432	A	G	A	G	0.192168	-0.0198518	0.528521	0.0314975	3.22E-08	0.0347572	30.56839064
rs10755490	G	A	G	A	0.113112	-0.0165487	0.438844	0.0213767	4.63E-06	0.0246928	20.9834399
rs10847506	T	C	T	C	0.142569	0.0338927	0.197792	0.0263169	4.95E-06	0.0312186	20.85563226
rs11443804	G	T	G	T	0.320147	-0.0265014	0.693274	0.0671916	4.10E-06	0.0695015	21.21829668
rs11543810	G	A	G	A	0.508651	0.0114577	0.88652	0.0802871	5.02E-11	0.0774163	43.16929769
rs11528418	T	C	T	C	-0.34084	-0.0715699	0.157671	0.050653	1.99E-07	0.0655378	27.0468938
rs11680834	A	G	A	G	0.429795	0.0335202	0.686453	0.0830383	1.07E-07	0.0808774	28.24023816
rs11676626	T	C	T	C	0.431727	0.127378	0.165335	0.091814	3.48E-06	0.0930409	21.53131797
rs11643228	C	T	C	T	0.472026	-0.0220977	0.687933	0.0550157	5.52E-18	0.0546195	74.6855187
rs12532408	A	G	A	G	0.245277	0.088404	0.0541228	0.0459039	6.01E-07	0.049144	24.90993801
rs14783099	G	A	G	A	0.326531	-0.0470504	0.358756	0.0512677	8.54E-10	0.0532278	37.6332568
rs18041391	T	G	T	G	0.363085	0.0472962	0.523285	0.0740983	1.64E-06	0.0757563	22.97095782
rs1910	T	C	T	C	0.65080	-0.0367	0.62299	0.0748	1.04E-2	0.0679	91.635

41365					1	825	7	209	1	856	24677
rs2099700	A	G	A	G	0.179618	0.036768	0.299928	0.0354709	3.96E-06	0.0389342	21.2832135
rs4726575	G	T	G	T	0.166796	0.016013	0.467437	0.0220367	8.35E-11	0.025684	42.17411135
rs531271210	A	G	A	G	-0.486814	0.054284	0.47814	0.0765333	6.04E-07	0.0975601	24.89898509
rs6453912	T	C	T	C	0.123037	-0.03192	0.141179	0.0216965	8.78E-07	0.0250222	24.17800619
rs6501457	T	C	T	C	-0.126149	-0.01426	0.551797	0.0239797	3.25E-06	0.0271022	21.66499198
rs6576081	C	T	C	T	0.129649	0.011267	0.617789	0.0225798	4.64E-07	0.0257204	25.40872693
rs72815830	A	G	A	G	0.293493	-0.05222	0.365706	0.0577394	1.22E-06	0.0604892	23.541808
rs9635812	A	G	A	G	-0.133175	-0.01455	0.539169	0.0236945	1.86E-06	0.0279319	22.73235627
rs9842794	T	G	T	G	0.115586	-0.02060	0.337048	0.0214675	2.80E-06	0.0246728	21.94692061

AAP_Pulmonary edema											
SNP	effect_allele.exposure	other_allele.exposure	effect_allele.outcome	other_allele.outcome	beta.exposure	beta.outcome	pval.outcome	se.outcome	pval.exposure	se.exposure	F
rs10035432	A	G	A	G	0.192168	0.069583	0.467207	0.0957087	3.22E-08	0.0347572	30.56839064

rs10755490	G	A	G	A	0.113112	-0.0535866	0.410796	0.0651514	4.63E-06	0.0246928	20.9834399
rs10847506	T	C	T	C	0.142569	0.0331909	0.678869	0.08017	4.95E-06	0.0312186	20.8563226
rs114434804	G	T	G	T	0.320147	-0.0561972	0.782705	0.203764	4.10E-06	0.0695015	21.2182968
rs115343810	G	A	G	A	0.508651	0.199182	0.408373	0.240919	5.02E-11	0.0774163	43.1692976
rs115428418	T	C	T	C	-0.34084	-0.0355068	0.818602	0.154819	1.99E-07	0.0655378	27.0468938
rs116180834	A	G	A	G	0.429795	0.226089	0.367659	0.250969	1.07E-07	0.0808774	28.2402381
rs116276626	T	C	T	C	0.431727	-0.227791	0.411496	0.277366	3.48E-06	0.0930409	21.5313179
rs116743228	C	T	C	T	0.472026	0.0685082	0.682078	0.167245	5.52E-18	0.0546195	74.6855187
rs12532408	A	G	A	G	0.245277	0.0395143	0.776991	0.139507	6.01E-07	0.049144	24.9093801
rs147839099	G	A	G	A	0.326531	-0.247903	0.107791	0.154149	8.54E-10	0.0532278	37.6332568
rs180841391	T	G	T	G	0.363085	0.0398651	0.854769	0.217798	1.64E-06	0.0757563	22.9709582
rs191041365	T	C	T	C	0.650801	0.075705	0.736127	0.224653	1.04E-21	0.0679856	91.6352467
rs2099700	A	G	A	G	0.179618	-0.0213895	0.842239	0.107468	3.96E-06	0.0389342	21.2832135

rs4726575	G	T	G	T	0.166796	-0.0707113	0.292239	0.067138	8.35E-11	0.025684	42.17411135
rs531271210	A	G	A	G	-0.486814	-0.0084 0224	0.969604	0.220501	6.04E-07	0.0975601	24.89898509
rs6453912	T	C	T	C	0.123037	0.0219821	0.739243	0.0660409	8.78E-07	0.0250222	24.17800619
rs6501457	T	C	T	C	-0.126149	0.0610241	0.40361	0.0730661	3.25E-06	0.0271022	21.66499198
rs6576081	C	T	C	T	0.129649	0.136775	0.0466241	0.0687419	4.64E-07	0.0257204	25.40872693
rs72815830	A	G	A	G	0.293493	0.0593706	0.733995	0.174713	1.22E-06	0.0604892	23.541808
rs9271367	A	G	A	G	0.125912	-0.0812964	0.218417	0.0660544	5.53E-07	0.0251478	25.06884062
rs9635812	A	G	A	G	-0.133175	0.0340567	0.638403	0.0724716	1.86E-06	0.0279319	22.73235627
rs9842794	T	G	T	G	0.115586	0.03468	0.595362	0.0653006	2.80E-06	0.0246728	21.94692061

AP_Cytokine												
SNP	effect_allele.exposure	other_allele.exposure	effect_allele.outcome	other_allele.outcome	beta.exposure	beta.outcome	se.outcome	outcome.deprecated	pval.outcome	pval.exposure	se.exposure	F
rs11360680	T	C	T	C	-0.339477	-0.0118	0.0826	CTACK levels	0.8771	1.73E-07	0.0649534	27.3159892

1 rs11534381 0	G	A	G	A	0.308734	0.0878	0.1142	CTACK levels	0.4453	4.21E-07	0.0610242	2 25.5955655 5
rs11674322 8	C	T	C	T	0.331817	0.1189	0.0631	CTACK levels	0.0586503	3.69E-15	0.0421888	61.8590035 1
rs14783909 9	G	A	G	A	0.235219	-0.0662	0.0619	CTACK levels	0.2862	5.88E-09	0.0404137	33.8756449 2
rs15045080 9	T	C	T	C	0.256891	-0.0512	0.0726	CTACK levels	0.5187	4.29E-07	0.0508128	25.5594512
rs17864109	A	G	A	G	0.305162	0.0412	0.0909	CTACK levels	0.616	2.78E-06	0.0651204	21.9597193 8
rs2395184	A	G	A	G	0.112527	-0.029	0.0309	CTACK levels	0.3447	1.17E-06	0.0231544	23.6181794 5
rs3098843	G	A	G	A	-0.0888568	-0.0154	0.0247	CTACK levels	0.5322	1.05E-06	0.0181991	23.8386422
rs4888362	C	T	C	T	0.188376	-0.0254	0.0375	CTACK levels	0.4992	8.65E-10	0.0307178	37.6071935 1
rs4987704	A	G	A	G	0.204151	-0.0449	0.0392	CTACK levels	0.2537	5.81E-13	0.0283357	51.9080998

												6
rs62063640	A	G	A	G	-0.18272	0.0787	0.0481	CTACK levels	0.0931108	1.48E-06	0.0379523	23.1790681 6
rs73767325	A	G	A	G	0.0845882	-0.0051	0.0236	CTACK levels	0.828	3.11E-06	0.0181378	21.7495536 9
rs7624577	A	G	A	G	0.0887149	-0.0171	0.0264	CTACK levels	0.5452	1.56E-06	0.0184702	23.0701245 1
rs79359283	T	C	T	C	-0.675281	0.1639	0.1394	CTACK levels	0.2315	6.06E-08	0.124656	29.3455792 7
rs949425	A	G	A	G	-0.236542	0.1123	0.0502	CTACK levels	0.0247902	7.51E-09	0.0409301	33.3988041 9
rs9636516	A	G	A	G	-0.091094	-0.0024	0.0242	CTACK levels	0.9573	7.83E-07	0.0184421	24.3982569 1
rs11360680 1	T	C	T	C	-0.339477	-0.1296	0.083	beta-nerve growth factor levels	0.1304	1.73E-07	0.0649534	27.3159892 2
rs11534381 0	G	A	G	A	0.308734	0.059	0.1164	beta-nerve growth factor levels	0.604301	4.21E-07	0.0610242	25.5955655 5
rs116	C	T	C	T	0.3318	0.083	0.063	beta-nerve growth	0.1868	3.69E-	0.042	61.85

743228					17	3	8	factor levels		15	1888	900351
rs14783909	G	A	G	A	0.235219	0.0131	0.0633	beta-nerve growth factor levels	0.8345	5.88E-09	0.0404137	33.8756449
rs15045080	T	C	T	C	0.256891	0.0216	0.0726	beta-nerve growth factor levels	0.773599	4.29E-07	0.0508128	25.5594512
rs17864109	A	G	A	G	0.305162	0.1487	0.0917	beta-nerve growth factor levels	0.0888301	2.78E-06	0.0651204	21.9597193
rs2395184	A	G	A	G	0.112527	0.0047	0.0314	beta-nerve growth factor levels	0.8786	1.17E-06	0.0231544	23.6181794
rs3098843	G	A	G	A	-0.088 8568	-0.0231	0.0249	beta-nerve growth factor levels	0.3502	1.05E-06	0.0181991	23.8386422
rs4888362	C	T	C	T	0.188376	-0.0056	0.0382	beta-nerve growth factor levels	0.8811	8.65E-10	0.0307178	37.6071935
rs4987704	A	G	A	G	0.204151	-0.036	0.0399	beta-nerve growth factor levels	0.3711	5.81E-13	0.0283357	51.9080998
rs62063640	A	G	A	G	-0.182 72	0.0128	0.0484	beta-nerve growth factor levels	0.7886	1.48E-06	0.0379523	23.1790681
rs737	A	G	A	G	0.0845	-0.001	0.023	beta-nerve growth	0.9354	3.11E-	0.018	21.74

67325					882	9	9	factor levels		06	1378	955369
rs7624577	A	G	A	G	0.088714	0.0139	0.0267	beta-nerve growth factor levels	0.598199	1.56E-06	0.0184702	23.0701245 1
rs79359283	T	C	T	C	-0.675281	0.0769	0.1436	beta-nerve growth factor levels	0.687999	6.06E-08	0.124656	29.3455792 7
rs9636516	A	G	A	G	-0.091094	-0.0226	0.0245	beta-nerve growth factor levels	0.3495	7.83E-07	0.0184421	24.3982569 1
rs11360680 1	T	C	T	C	-0.339477	-0.0304	0.0579	Vascular endothelial growth factor levels	0.6012	1.73E-07	0.0649534	27.3159892 2
rs11534381 0	G	A	G	A	0.308734	0.0941	0.0804	Vascular endothelial growth factor levels	0.243	4.21E-07	0.0610242	25.5955655 5
rs11674322 8	C	T	C	T	0.331817	-0.0061	0.0469	Vascular endothelial growth factor levels	0.931	3.69E-15	0.0421888	61.8590035 1
rs14783909 9	G	A	G	A	0.235219	0.1042	0.0444	Vascular endothelial growth factor levels	0.0199099	5.88E-09	0.0404137	33.8756449 2
rs15045080 9	T	C	T	C	0.256891	-0.0382	0.0521	Vascular endothelial growth factor levels	0.4513	4.29E-07	0.0508128	25.5594512

rs17864109	A	G	A	G	0.305162	0.1056	0.0701	Vascular endothelial growth factor levels	0.172	2.78E-06	0.0651204	21.9597193
rs2395184	A	G	A	G	0.112527	-0.0468	0.022	Vascular endothelial growth factor levels	0.0334303	1.17E-06	0.0231544	23.6181794
rs3098843	G	A	G	A	-0.0888568	-0.0086	0.0177	Vascular endothelial growth factor levels	0.6205	1.05E-06	0.0181991	23.8386422
rs4888362	C	T	C	T	0.188376	0.03	0.0275	Vascular endothelial growth factor levels	0.2916	8.65E-10	0.0307178	37.6071935
rs4987704	A	G	A	G	0.204151	0.0261	0.0279	Vascular endothelial growth factor levels	0.359	5.81E-13	0.0283357	51.9080998
rs62063640	A	G	A	G	-0.18272	0.0161	0.0349	Vascular endothelial growth factor levels	0.6343	1.48E-06	0.0379523	23.1790681
rs73767325	A	G	A	G	0.0845882	-0.0208	0.0169	Vascular endothelial growth factor levels	0.2191	3.11E-06	0.0181378	21.7495536
rs7624577	A	G	A	G	0.0887149	-0.0094	0.0185	Vascular endothelial growth factor levels	0.5921	1.56E-06	0.0184702	23.0701245
rs79359283	T	C	T	C	-0.675281	0.0902	0.0993	Vascular endothelial growth	0.3837	6.06E-08	0.124656	29.3455792

								factor levels				7
rs949425	A	G	A	G	-0.236542	-0.0305	0.0367	Vascular endothelial growth factor levels	0.3974	7.51E-09	0.0409301	33.3988041 9
rs9636516	A	G	A	G	-0.091094	-0.0061	0.017	Vascular endothelial growth factor levels	0.690799	7.83E-07	0.0184421	24.3982569 1
rs11360680 1	T	C	T	C	-0.339477	-0.1312	0.0826	Macrophage Migration Inhibitory Factor levels	0.1127	1.73E-07	0.0649534	27.3159892 2
rs11534381 0	G	A	G	A	0.308734	-0.0833	0.1124	Macrophage Migration Inhibitory Factor levels	0.4963	4.21E-07	0.0610242	25.5955655 5
rs11674322 8	C	T	C	T	0.331817	-0.0227	0.0645	Macrophage Migration Inhibitory Factor levels	0.7027	3.69E-15	0.0421888	61.8590035 1
rs14783909 9	G	A	G	A	0.235219	-0.0497	0.0625	Macrophage Migration Inhibitory Factor levels	0.4284	5.88E-09	0.0404137	33.8756449 2
rs15045080 9	T	C	T	C	0.256891	-0.048	0.0734	Macrophage Migration Inhibitory Factor	0.533499	4.29E-07	0.0508128	25.5594512

								levels				
rs17864109	A	G	A	G	0.305162	0.0797	0.0922	Macrophage Migration Inhibitory Factor levels	0.3991	2.78E-06	0.0651204	21.9597193
rs2395184	A	G	A	G	0.112527	0.0366	0.0315	Macrophage Migration Inhibitory Factor levels	0.2449	1.17E-06	0.0231544	23.6181794
rs3098843	G	A	G	A	-0.0888568	8.00E-04	0.025	Macrophage Migration Inhibitory Factor levels	0.9789	1.05E-06	0.0181991	23.8386422
rs4888362	C	T	C	T	0.188376	-0.0209	0.0383	Macrophage Migration Inhibitory Factor levels	0.585901	8.65E-10	0.0307178	37.6071935
rs4987704	A	G	A	G	0.204151	0.0539	0.0402	Macrophage Migration Inhibitory Factor levels	0.1792	5.81E-13	0.0283357	51.9080998
rs62063640	A	G	A	G	-0.18272	-0.0844	0.0486	Macrophage Migration Inhibitory Factor levels	0.0840195	1.48E-06	0.0379523	23.1790681
rs737	A	G	A	G	0.0845	0.007	0.024	Macrophage	0.7627	3.11E-	0.018	21.74

67325					882	2		Migration Inhibitory Factor levels		06	1378	955369
rs7624577	A	G	A	G	0.0887149	0.0077	0.0271	Macrophage Migration Inhibitory Factor levels	0.7685	1.56E-06	0.0184702	23.0701245 1
rs79359283	T	C	T	C	-0.675281	-0.0269	0.1383	Macrophage Migration Inhibitory Factor levels	0.786799	6.06E-08	0.124656	29.3455792 7
rs949425	A	G	A	G	-0.236542	0.0306	0.0512	Macrophage Migration Inhibitory Factor levels	0.5562	7.51E-09	0.0409301	33.3988041 9
rs9636516	A	G	A	G	-0.091094	-0.0046	0.0246	Macrophage Migration Inhibitory Factor levels	0.8402	7.83E-07	0.0184421	24.3982569 1
rs11360680 1	T	C	T	C	-0.339477	-0.0029	0.0566	TRAIL levels	0.9714	1.73E-07	0.0649534	27.3159892 2
rs11534381 0	G	A	G	A	0.308734	0.0819	0.0772	TRAIL levels	0.2882	4.21E-07	0.0610242	25.5955655 5
rs116	C	T	C	T	0.3318	0.043	0.043	TRAIL levels	0.3262	3.69E-	0.042	61.85

743228					17	4	5			15	1888	900351
rs14783909	G	A	G	A	0.235219	-0.057	0.0412	TRAIL levels	0.1647	5.88E-09	0.0404137	33.8756449
rs15045080	T	C	T	C	0.256891	-0.0196	0.0492	TRAIL levels	0.7209	4.29E-07	0.0508128	25.5594512
rs17864109	A	G	A	G	0.305162	-0.0877	0.0643	TRAIL levels	0.1901	2.78E-06	0.0651204	21.9597193
rs19104136	T	C	T	C	0.427578	0.1385	0.082	TRAIL levels	0.0917804	3.22E-15	0.0542459	62.1293578
rs2395184	A	G	A	G	0.112527	0.0034	0.0206	TRAIL levels	0.8683	1.17E-06	0.0231544	23.6181794
rs3098843	G	A	G	A	-0.0888568	-0.0262	0.0165	TRAIL levels	0.1107	1.05E-06	0.0181991	23.8386422
rs4888362	C	T	C	T	0.188376	-0.0548	0.0255	TRAIL levels	0.0305302	8.65E-10	0.0307178	37.6071935
rs4987704	A	G	A	G	0.204151	-0.0055	0.026	TRAIL levels	0.8291	5.81E-13	0.0283357	51.9080998
rs620	A	G	A	G	-0.182	-0.004	0.032	TRAIL levels	0.8987	1.48E-	0.037	23.17

63640					72	1	1			06	9523	906816
rs73767325	A	G	A	G	0.0845882	0.005	0.0157	TRAIL levels	0.7471	3.11E-06	0.0181378	21.7495536 9
rs7624577	A	G	A	G	0.0887149	-0.001	0.0172	TRAIL levels	0.9619	1.56E-06	0.0184702	23.0701245 1
rs79359283	T	C	T	C	-0.675281	0.1559	0.0922	TRAIL levels	0.1123	6.06E-08	0.124656	29.3455792 7
rs949425	A	G	A	G	-0.236542	-0.0116	0.0341	TRAIL levels	0.717999	7.51E-09	0.0409301	33.3988041 9
rs9636516	A	G	A	G	-0.091094	-0.0127	0.0158	TRAIL levels	0.4117	7.83E-07	0.0184421	24.3982569 1
rs14783909 9	G	A	G	A	0.235219	0.032	0.0961	Tumor necrosis factor beta levels	0.727699	5.88E-09	0.0404137	33.8756449 2
rs2395184	A	G	A	G	0.112527	-0.045	0.0467	Tumor necrosis factor beta levels	0.3397	1.17E-06	0.0231544	23.6181794 5
rs3098843	G	A	G	A	-0.0888568	0.0358	0.0368	Tumor necrosis factor beta levels	0.3328	1.05E-06	0.0181991	23.8386422
rs488	C	T	C	T	0.1883	0.047	0.056	Tumor necrosis	0.3923	8.65E-	0.030	37.60

8362					76	1	4	factor beta levels		10	7178	719351
rs4987704	A	G	A	G	0.204151	-0.115	0.0602	Tumor necrosis factor beta levels	0.0543701	5.81E-13	0.0283357	51.9080998 6
rs62063640	A	G	A	G	-0.18272	0.0342	0.0744	Tumor necrosis factor beta levels	0.641599	1.48E-06	0.0379523	23.1790681 6
rs73767325	A	G	A	G	0.0845882	0.0098	0.0358	Tumor necrosis factor beta levels	0.7733	3.11E-06	0.0181378	21.7495536 9
rs7624577	A	G	A	G	0.0887149	-0.0055	0.0396	Tumor necrosis factor beta levels	0.8696	1.56E-06	0.0184702	23.0701245 1
rs9636516	A	G	A	G	-0.091094	0.0502	0.0374	Tumor necrosis factor beta levels	0.1806	7.83E-07	0.0184421	24.3982569 1
rs11360680 1	T	C	T	C	-0.339477	-0.1107	0.086	Tumor necrosis factor alpha levels	0.2043	1.73E-07	0.0649534	27.3159892 2
rs11534381 0	G	A	G	A	0.308734	0.0346	0.1147	Tumor necrosis factor alpha levels	0.7926	4.21E-07	0.0610242	25.5955655 5
rs11674322 8	C	T	C	T	0.331817	-0.0037	0.0648	Tumor necrosis factor alpha levels	0.9472	3.69E-15	0.0421888	61.8590035 1

rs14783909 9	G	A	G	A	0.235219	0.1061	0.0635	Tumor necrosis factor alpha levels	0.0939896	5.88E-09	0.0404137	33.8756449 2
rs15045080 9	T	C	T	C	0.256891	0.073	0.0743	Tumor necrosis factor alpha levels	0.3597	4.29E-07	0.0508128	25.5594512
rs17864109	A	G	A	G	0.305162	0.1941	0.0933	Tumor necrosis factor alpha levels	0.0417398	2.78E-06	0.0651204	21.9597193 8
rs2395184	A	G	A	G	0.112527	-0.0298	0.0316	Tumor necrosis factor alpha levels	0.3503	1.17E-06	0.0231544	23.6181794 5
rs3098843	G	A	G	A	-0.0888568	-0.0319	0.0253	Tumor necrosis factor alpha levels	0.2083	1.05E-06	0.0181991	23.8386422
rs4888362	C	T	C	T	0.188376	0.0912	0.0384	Tumor necrosis factor alpha levels	0.01738	8.65E-10	0.0307178	37.6071935 1
rs4987704	A	G	A	G	0.204151	-0.0158	0.0403	Tumor necrosis factor alpha levels	0.6937	5.81E-13	0.0283357	51.9080998 6
rs62063640	A	G	A	G	-0.18272	1.00E-04	0.0493	Tumor necrosis factor alpha levels	0.9956	1.48E-06	0.0379523	23.1790681 6
rs73767325	A	G	A	G	0.0845882	-0.0155	0.0242	Tumor necrosis factor alpha levels	0.5213	3.11E-06	0.0181378	21.7495536 9

rs7624577	A	G	A	G	0.0887149	-0.0228	0.027	Tumor necrosis factor alpha levels	0.4107	1.56E-06	0.0184702	23.0701245 1
rs79359283	T	C	T	C	-0.675281	0.2807	0.148	Tumor necrosis factor alpha levels	0.0640295	6.06E-08	0.124656	29.3455792 7
rs9636516	A	G	A	G	-0.091094	-0.0077	0.0248	Tumor necrosis factor alpha levels	0.743901	7.83E-07	0.0184421	24.3982569 1
rs11360680 1	T	C	T	C	-0.339477	0.0714	0.0572	Stromal-cell-derived factor 1 alpha levels	0.0512495	1.73E-07	0.0649534	27.3159892 2
rs11534381 0	G	A	G	A	0.308734	-0.0028	0.0893	Stromal-cell-derived factor 1 alpha levels	0.5636	4.21E-07	0.0610242	25.5955655 5
rs11674322 8	C	T	C	T	0.331817	0.0032	0.0446	Stromal-cell-derived factor 1 alpha levels	0.528799	3.69E-15	0.0421888	61.8590035 1
rs14783909 9	G	A	G	A	0.235219	0.011	0.043	Stromal-cell-derived factor 1 alpha levels	0.2952	5.88E-09	0.0404137	33.8756449 2
rs15045080 9	T	C	T	C	0.256891	-0.0343	0.0505	Stromal-cell-derived factor 1 alpha levels	0.781601	4.29E-07	0.0508128	25.5594512
rs17864109	A	G	A	G	0.305162	-0.0045	0.0675	Stromal-cell-derived factor 1 alpha	0.5259	2.78E-06	0.0651204	21.9597193

								levels				8
rs19104136 5	T	C	T	C	0.427578	-0.0495	0.0846	Stromal-cell-derived factor 1 alpha levels	0.8832	3.22E-15	0.0542459	62.1293578 7
rs2395184	A	G	A	G	0.112527	0.0191	0.021	Stromal-cell-derived factor 1 alpha levels	0.1286	1.17E-06	0.0231544	23.6181794 5
rs3098843	G	A	G	A	-0.0888568	-0.0186	0.0169	Stromal-cell-derived factor 1 alpha levels	0.4029	1.05E-06	0.0181991	23.8386422
rs4888362	C	T	C	T	0.188376	0.0178	0.0263	Stromal-cell-derived factor 1 alpha levels	0.813	8.65E-10	0.0307178	37.6071935 1
rs4987704	A	G	A	G	0.204151	0.0111	0.0268	Stromal-cell-derived factor 1 alpha levels	0.2779	5.81E-13	0.0283357	51.9080998 6
rs62063640	A	G	A	G	-0.18272	-0.0147	0.0332	Stromal-cell-derived factor 1 alpha levels	0.8104	1.48E-06	0.0379523	23.1790681 6
rs73767325	A	G	A	G	0.0845882	0.0119	0.0161	Stromal-cell-derived factor 1 alpha levels	0.2757	3.11E-06	0.0181378	21.7495536 9
rs7624577	A	G	A	G	0.0887149	0.0227	0.0176	Stromal-cell-derived factor 1 alpha levels	0.225	1.56E-06	0.0184702	23.0701245 1
rs793	T	C	T	C	-0.675	0.138	0.095	Stromal-cell-deriv	0.4051	6.06E-	0.124	29.34

59283					281	3		ed factor 1 alpha levels		08	656	557927
rs949425	A	G	A	G	-0.236542	0.0186	0.0351	Stromal-cell-derived factor 1 alpha levels	0.5185	7.51E-09	0.0409301	33.3988041 9
rs9636516	A	G	A	G	-0.091094	-0.0134	0.0163	Stromal-cell-derived factor 1 alpha levels	0.653	7.83E-07	0.0184421	24.3982569 1
rs11360680 1	T	C	T	C	-0.339477	0.1398	0.0819	Stem cell growth factor beta levels	0.0880704	1.73E-07	0.0649534	27.3159892 2
rs11534381 0	G	A	G	A	0.308734	-0.1399	0.1114	Stem cell growth factor beta levels	0.2038	4.21E-07	0.0610242	25.5955655 5
rs11674322 8	C	T	C	T	0.331817	0.0167	0.0626	Stem cell growth factor beta levels	0.7619	3.69E-15	0.0421888	61.8590035 1
rs14783909 9	G	A	G	A	0.235219	0.0085	0.0612	Stem cell growth factor beta levels	0.8936	5.88E-09	0.0404137	33.8756449 2
rs15045080 9	T	C	T	C	0.256891	0.0454	0.0718	Stem cell growth factor beta levels	0.5283	4.29E-07	0.0508128	25.5594512
rs17864109	A	G	A	G	0.305162	0.0062	0.0906	Stem cell growth factor beta levels	0.9518	2.78E-06	0.0651204	21.9597193 8

rs2395184	A	G	A	G	0.112527	-0.0653	0.0306	Stem cell growth factor beta levels	0.0324601	1.17E-06	0.0231544	23.6181794
rs3098843	G	A	G	A	-0.088 8568	-0.0581	0.0244	Stem cell growth factor beta levels	0.0179201	1.05E-06	0.0181991	23.8386422
rs4888362	C	T	C	T	0.188376	0.0325	0.0372	Stem cell growth factor beta levels	0.3829	8.65E-10	0.0307178	37.6071935 1
rs4987704	A	G	A	G	0.204151	0.0279	0.0389	Stem cell growth factor beta levels	0.473301	5.81E-13	0.0283357	51.9080998 6
rs62063640	A	G	A	G	-0.18272	-0.0388	0.0477	Stem cell growth factor beta levels	0.4155	1.48E-06	0.0379523	23.1790681 6
rs73767325	A	G	A	G	0.0845882	0.0175	0.0233	Stem cell growth factor beta levels	0.452	3.11E-06	0.0181378	21.7495536 9
rs7624577	A	G	A	G	0.0887149	0.0109	0.026	Stem cell growth factor beta levels	0.6521	1.56E-06	0.0184702	23.0701245 1
rs79359283	T	C	T	C	-0.675281	-0.0602	0.1383	Stem cell growth factor beta levels	0.587	6.06E-08	0.124656	29.3455792 7
rs9636516	A	G	A	G	-0.091094	-0.0022	0.024	Stem cell growth factor beta levels	0.945	7.83E-07	0.0184421	24.3982569 1

rs11360680 1	T	C	T	C	-0.339477	0.0329	0.0555	Stem cell factor levels	0.5425	1.73E-07	0.0649534	27.3159892
rs11534381 0	G	A	G	A	0.308734	0.0726	0.0758	Stem cell factor levels	0.337	4.21E-07	0.0610242	25.5955655 5
rs11674322 8	C	T	C	T	0.331817	0.0342	0.0433	Stem cell factor levels	0.4414	3.69E-15	0.0421888	61.8590035 1
rs14783909 9	G	A	G	A	0.235219	0.0585	0.0411	Stem cell factor levels	0.1479	5.88E-09	0.0404137	33.8756449 2
rs15045080 9	T	C	T	C	0.256891	-0.0383	0.0488	Stem cell factor levels	0.4503	4.29E-07	0.0508128	25.5594512
rs17864109	A	G	A	G	0.305162	-0.0355	0.0641	Stem cell factor levels	0.7428	2.78E-06	0.0651204	21.9597193 8
rs19104136 5	T	C	T	C	0.427578	-0.04	0.0824	Stem cell factor levels	0.6296	3.22E-15	0.0542459	62.1293578 7
rs2395184	A	G	A	G	0.112527	0.0183	0.0204	Stem cell factor levels	0.3698	1.17E-06	0.0231544	23.6181794 5
rs3098843	G	A	G	A	-0.0888568	0.0159	0.0163	Stem cell factor levels	0.3277	1.05E-06	0.0181991	23.8386422

rs4888362	C	T	C	T	0.188376	-0.0521	0.0254	Stem cell factor levels	0.0441205	8.65E-10	0.0307178	37.6071935 1
rs4987704	A	G	A	G	0.204151	0.037	0.0259	Stem cell factor levels	0.1536	5.81E-13	0.0283357	51.9080998 6
rs62063640	A	G	A	G	-0.18272	0.0061	0.0322	Stem cell factor levels	0.837	1.48E-06	0.0379523	23.1790681 6
rs73767325	A	G	A	G	0.0845882	9.00E-04	0.0156	Stem cell factor levels	0.9551	3.11E-06	0.0181378	21.7495536 9
rs7624577	A	G	A	G	0.0887149	-0.0365	0.017	Stem cell factor levels	0.0338298	1.56E-06	0.0184702	23.0701245 1
rs79359283	T	C	T	C	-0.675281	-0.0785	0.0914	Stem cell factor levels	0.4361	6.06E-08	0.124656	29.3455792 7
rs9636516	A	G	A	G	-0.091094	0.0102	0.0157	Stem cell factor levels	0.5044	7.83E-07	0.0184421	24.3982569 1
rs11360680 1	T	C	T	C	-0.339477	-0.0089	0.0845	Interleukin-16 levels	0.9306	1.73E-07	0.0649534	27.3159892 2
rs11534381	G	A	G	A	0.308734	0.082	0.1167	Interleukin-16 levels	0.4804	4.21E-07	0.0610242	25.5955655

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rs11674322 8	C	T	C	T	0.331817	-0.0845	0.0652	Interleukin-16 levels	0.2145	3.69E-15	0.0421888	61.8590035 1
rs14783909 9	G	A	G	A	0.235219	-0.0275	0.0633	Interleukin-16 levels	0.672	5.88E-09	0.0404137	33.8756449 2
rs15045080 9	T	C	T	C	0.256891	-0.089	0.0729	Interleukin-16 levels	0.2342	4.29E-07	0.0508128	25.5594512
rs17864109	A	G	A	G	0.305162	0.145	0.0959	Interleukin-16 levels	0.1306	2.78E-06	0.0651204	21.9597193 8
rs2395184	A	G	A	G	0.112527	0.0105	0.0317	Interleukin-16 levels	0.7373	1.17E-06	0.0231544	23.6181794 5
rs3098843	G	A	G	A	-0.0888568	9.00E-04	0.025	Interleukin-16 levels	0.9784	1.05E-06	0.0181991	23.8386422
rs4888362	C	T	C	T	0.188376	0.027	0.0379	Interleukin-16 levels	0.4758	8.65E-10	0.0307178	37.6071935 1
rs4987704	A	G	A	G	0.204151	0.023	0.0401	Interleukin-16 levels	0.5675	5.81E-13	0.0283357	51.9080998 6
rs62063640	A	G	A	G	-0.18272	-0.0417	0.0496	Interleukin-16 levels	0.4039	1.48E-06	0.0379523	23.1790681

												6
rs73767325	A	G	A	G	0.0845882	6.00E-04	0.024	Interleukin-16 levels	0.983	3.11E-06	0.0181378	21.7495536 9
rs7624577	A	G	A	G	0.0887149	0.0048	0.0267	Interleukin-16 levels	0.846	1.56E-06	0.0184702	23.0701245 1
rs79359283	T	C	T	C	-0.675281	0.0841	0.1426	Interleukin-16 levels	0.5944	6.06E-08	0.124656	29.3455792 7
rs949425	A	G	A	G	-0.236542	-0.0682	0.0508	Interleukin-16 levels	0.1744	7.51E-09	0.0409301	33.3988041 9
rs9636516	A	G	A	G	-0.091094	0.0031	0.0247	Interleukin-16 levels	0.9218	7.83E-07	0.0184421	24.3982569 1
rs11360680 1	T	C	T	C	-0.339477	-0.1254	0.084	RANTES levels	0.1357	1.73E-07	0.0649534	27.3159892 2
rs11534381 0	G	A	G	A	0.308734	-0.1844	0.1138	RANTES levels	0.1099	4.21E-07	0.0610242	25.5955655 5
rs11674322 8	C	T	C	T	0.331817	0.0344	0.064	RANTES levels	0.5452	3.69E-15	0.0421888	61.8590035 1
rs147	G	A	G	A	0.2352	0.023	0.062	RANTES levels	0.7007	5.88E-	0.040	33.87

839099					19	2	2			09	4137	564492
rs15045080 9	T	C	T	C	0.256891	0.1493	0.0744	RANTES levels	0.0497496	4.29E-07	0.0508128	25.5594512
rs17864109	A	G	A	G	0.305162	0.1006	0.0948	RANTES levels	0.3032	2.78E-06	0.0651204	21.9597193 8
rs2395184	A	G	A	G	0.112527	-3.00E-04	0.0318	RANTES levels	0.9983	1.17E-06	0.0231544	23.6181794 5
rs3098843	G	A	G	A	-0.0888568	0.0087	0.0254	RANTES levels	0.723	1.05E-06	0.0181991	23.8386422
rs4888362	C	T	C	T	0.188376	0.0224	0.0388	RANTES levels	0.5636	8.65E-10	0.0307178	37.6071935 1
rs4987704	A	G	A	G	0.204151	-0.0324	0.0405	RANTES levels	0.4204	5.81E-13	0.0283357	51.9080998 6
rs62063640	A	G	A	G	-0.18272	0.0871	0.049	RANTES levels	0.0773695	1.48E-06	0.0379523	23.1790681 6
rs73767325	A	G	A	G	0.0845882	0.0121	0.0242	RANTES levels	0.616799	3.11E-06	0.0181378	21.7495536 9
rs762	A	G	A	G	0.0887	-0.021	0.027	RANTES levels	0.4399	1.56E-	0.018	23.07

4577					149	2	2			06	4702	012451
rs79359283	T	C	T	C	-0.675281	-0.0741	0.1461	RANTES levels	0.600101	6.06E-08	0.124656	29.3455792 7
rs9636516	A	G	A	G	-0.091094	-0.0425	0.0249	RANTES levels	0.0887606	7.83E-07	0.0184421	24.3982569 1
rs11360680 1	T	C	T	C	-0.339477	-0.0925	0.0557	Platelet-derived growth factor BB levels	0.1042	1.73E-07	0.0649534	27.3159892 2
rs11534381 0	G	A	G	A	0.308734	0.0067	0.0766	Platelet-derived growth factor BB levels	0.9214	4.21E-07	0.0610242	25.5955655 5
rs11674322 8	C	T	C	T	0.331817	0.0291	0.0436	Platelet-derived growth factor BB levels	0.537499	3.69E-15	0.0421888	61.8590035 1
rs14783909 9	G	A	G	A	0.235219	0.054	0.0415	Platelet-derived growth factor BB levels	0.2074	5.88E-09	0.0404137	33.8756449 2
rs15045080 9	T	C	T	C	0.256891	-0.0343	0.0489	Platelet-derived growth factor BB levels	0.4684	4.29E-07	0.0508128	25.5594512
rs17864109	A	G	A	G	0.305162	0.0771	0.064	Platelet-derived growth factor BB levels	0.267	2.78E-06	0.0651204	21.9597193 8

rs19104136 5	T	C	T	C	0.427578	0.0528	0.0844	Platelet-derived growth factor BB levels	0.5428	3.22E-15	0.0542459	62.1293578 7
rs2395184	A	G	A	G	0.112527	0.0146	0.0204	Platelet-derived growth factor BB levels	0.4785	1.17E-06	0.0231544	23.6181794 5
rs3098843	G	A	G	A	-0.0888568	-0.0227	0.0164	Platelet-derived growth factor BB levels	0.1669	1.05E-06	0.0181991	23.8386422
rs4888362	C	T	C	T	0.188376	0.0024	0.0254	Platelet-derived growth factor BB levels	0.9437	8.65E-10	0.0307178	37.6071935 1
rs4987704	A	G	A	G	0.204151	0.0521	0.026	Platelet-derived growth factor BB levels	0.0452397	5.81E-13	0.0283357	51.9080998 6
rs62063640	A	G	A	G	-0.18272	0.0134	0.0322	Platelet-derived growth factor BB levels	0.6643	1.48E-06	0.0379523	23.1790681 6
rs73767325	A	G	A	G	0.0845882	0.0104	0.0157	Platelet-derived growth factor BB levels	0.5076	3.11E-06	0.0181378	21.7495536 9
rs7624577	A	G	A	G	0.0887149	0.0156	0.0171	Platelet-derived growth factor BB levels	0.3905	1.56E-06	0.0184702	23.0701245 1
rs79359283	T	C	T	C	-0.675281	0.0638	0.0905	Platelet-derived growth factor BB	0.4673	6.06E-08	0.124656	29.3455792

								levels				7
rs949425	A	G	A	G	-0.236542	-0.0183	0.0338	Platelet-derived growth factor BB levels	0.5541	7.51E-09	0.0409301	33.3988041 9
rs9636516	A	G	A	G	-0.091094	0.0234	0.0158	Platelet-derived growth factor BB levels	0.1371	7.83E-07	0.0184421	24.3982569 1
rs11360680 1	T	C	T	C	-0.339477	-0.0216	0.0567	Macrophage inflammatory protein 1b levels	0.703701	1.73E-07	0.0649534	27.3159892 2
rs11534381 0	G	A	G	A	0.308734	0.0208	0.0759	Macrophage inflammatory protein 1b levels	0.776599	4.21E-07	0.0610242	25.5955655 5
rs11674322 8	C	T	C	T	0.331817	0.0402	0.0434	Macrophage inflammatory protein 1b levels	0.3234	3.69E-15	0.0421888	61.8590035 1
rs14783909 9	G	A	G	A	0.235219	0.0578	0.0411	Macrophage inflammatory protein 1b levels	0.1625	5.88E-09	0.0404137	33.8756449 2
rs15045080 9	T	C	T	C	0.256891	-0.0228	0.0491	Macrophage inflammatory protein 1b levels	0.611899	4.29E-07	0.0508128	25.5594512
rs17864109	A	G	A	G	0.305162	0.0416	0.065	Macrophage inflammatory protein 1b levels	0.5882	2.78E-06	0.0651204	21.9597193 8
rs191	T	C	T	C	0.4275	0.09	0.082	Macrophage	0.2756	3.22E-	0.054	62.12

041365					78		8	inflammatory protein 1b levels		15	2459	935787
rs2395184	A	G	A	G	0.112527	-0.0032	0.0204	Macrophage inflammatory protein 1b levels	0.8673	1.17E-06	0.0231544	23.6181794 5
rs3098843	G	A	G	A	-0.0888568	-0.0208	0.0164	Macrophage inflammatory protein 1b levels	0.2043	1.05E-06	0.0181991	23.8386422
rs4888362	C	T	C	T	0.188376	0.0061	0.0255	Macrophage inflammatory protein 1b levels	0.8025	8.65E-10	0.0307178	37.6071935 1
rs4987704	A	G	A	G	0.204151	0.0525	0.026	Macrophage inflammatory protein 1b levels	0.0435101	5.81E-13	0.0283357	51.9080998 6
rs62063640	A	G	A	G	-0.18272	0.0106	0.0322	Macrophage inflammatory protein 1b levels	0.757399	1.48E-06	0.0379523	23.1790681 6
rs73767325	A	G	A	G	0.0845882	-0.0228	0.0157	Macrophage inflammatory protein 1b levels	0.1451	3.11E-06	0.0181378	21.7495536 9
rs7624577	A	G	A	G	0.0887149	0.0218	0.0171	Macrophage inflammatory protein 1b levels	0.2056	1.56E-06	0.0184702	23.0701245 1
rs79359283	T	C	T	C	-0.675281	0.1633	0.0909	Macrophage inflammatory protein 1b levels	0.0694992	6.06E-08	0.124656	29.3455792 7

rs949425	A	G	A	G	-0.236542	-0.0049	0.0339	Macrophage inflammatory protein 1b levels	0.8849	7.51E-09	0.0409301	33.3988041 9
rs9636516	A	G	A	G	-0.091094	-0.0092	0.0158	Macrophage inflammatory protein 1b levels	0.5606	7.83E-07	0.0184421	24.3982569 1
rs11360680 1	T	C	T	C	-0.339477	-0.1032	0.0831	Macrophage inflammatory protein 1a levels	0.214	1.73E-07	0.0649534	27.3159892 2
rs11534381 0	G	A	G	A	0.308734	0.0709	0.113	Macrophage inflammatory protein 1a levels	0.5247	4.21E-07	0.0610242	25.5955655 5
rs11674322 8	C	T	C	T	0.331817	0.0071	0.0633	Macrophage inflammatory protein 1a levels	0.9294	3.69E-15	0.0421888	61.8590035 1
rs14783909 9	G	A	G	A	0.235219	0.088	0.0614	Macrophage inflammatory protein 1a levels	0.1529	5.88E-09	0.0404137	33.8756449 2
rs15045080 9	T	C	T	C	0.256891	-0.0176	0.0733	Macrophage inflammatory protein 1a levels	0.742099	4.29E-07	0.0508128	25.5594512
rs17864109	A	G	A	G	0.305162	0.0177	0.0924	Macrophage inflammatory protein 1a levels	0.8605	2.78E-06	0.0651204	21.9597193 8
rs2395184	A	G	A	G	0.112527	-0.0288	0.0313	Macrophage inflammatory	0.362	1.17E-06	0.0231544	23.6181794

								protein 1a levels				5
rs3098843	G	A	G	A	-0.0888568	-0.0459	0.025	Macrophage inflammatory protein 1a levels	0.0655194	1.05E-06	0.0181991	23.8386422
rs4888362	C	T	C	T	0.188376	0.0685	0.038	Macrophage inflammatory protein 1a levels	0.0713001	8.65E-10	0.0307178	37.6071935 1
rs4987704	A	G	A	G	0.204151	0.0229	0.0401	Macrophage inflammatory protein 1a levels	0.568499	5.81E-13	0.0283357	51.9080998 6
rs62063640	A	G	A	G	-0.18272	0.0389	0.0491	Macrophage inflammatory protein 1a levels	0.4438	1.48E-06	0.0379523	23.1790681 6
rs73767325	A	G	A	G	0.0845882	-0.0213	0.024	Macrophage inflammatory protein 1a levels	0.3732	3.11E-06	0.0181378	21.7495536 9
rs7624577	A	G	A	G	0.0887149	0.0332	0.0267	Macrophage inflammatory protein 1a levels	0.2195	1.56E-06	0.0184702	23.0701245 1
rs79359283	T	C	T	C	-0.675281	0.2388	0.1441	Macrophage inflammatory protein 1a levels	0.1079	6.06E-08	0.124656	29.3455792 7
rs9636516	A	G	A	G	-0.091094	-0.0336	0.0246	Macrophage inflammatory protein 1a levels	0.1659	7.83E-07	0.0184421	24.3982569 1
rs113	T	C	T	C	-0.339	0.029	0.083	Monokine induced	0.721	1.73E-	0.064	27.31

606801					477	6	7	by gamma interferon levels		07	9534	598922
rs11534381 0	G	A	G	A	0.308734	0.3244	0.1126	Monokine induced by gamma interferon levels	0.0039 4203	4.21E-07	0.061 0242	25.59 55655 5
rs11674322 8	C	T	C	T	0.331817	0.0136	0.063	Monokine induced by gamma interferon levels	0.8487	3.69E-15	0.042 1888	61.85 90035 1
rs14783909 9	G	A	G	A	0.235219	0.0041	0.0615	Monokine induced by gamma interferon levels	0.9517	5.88E-09	0.040 4137	33.87 56449 2
rs15045080 9	T	C	T	C	0.256891	-0.0034	0.0716	Monokine induced by gamma interferon levels	0.9433	4.29E-07	0.050 8128	25.55 94512
rs17864109	A	G	A	G	0.305162	-0.02	0.0912	Monokine induced by gamma interferon levels	0.8399	2.78E-06	0.065 1204	21.95 97193 8
rs2395184	A	G	A	G	0.112527	-0.0044	0.0306	Monokine induced by gamma interferon levels	0.8883	1.17E-06	0.023 1544	23.61 81794 5
rs3098843	G	A	G	A	-0.0888568	0.0094	0.0245	Monokine induced by gamma interferon levels	0.7013	1.05E-06	0.018 1991	23.83 86422
rs4888362	C	T	C	T	0.188376	-0.0415	0.0371	Monokine induced by gamma interferon levels	0.264	8.65E-10	0.030 7178	37.60 71935 1

rs4987704	A	G	A	G	0.204151	0.037	0.038	Monokine induced by gamma interferon levels	0.3289	5.81E-13	0.0283357	51.9080998 6
rs62063640	A	G	A	G	-0.18272	0.013 9	0.047 7	Monokine induced by gamma interferon levels	0.765301	1.48E-06	0.0379523	23.1790681 6
rs73767325	A	G	A	G	0.0845882	-0.008 9	0.023 3	Monokine induced by gamma interferon levels	0.6984	3.11E-06	0.0181378	21.7495536 9
rs7624577	A	G	A	G	0.0887149	0.012 3	0.026 1	Monokine induced by gamma interferon levels	0.6045	1.56E-06	0.0184702	23.0701245 1
rs79359283	T	C	T	C	-0.675281	-0.008 1	0.139 9	Monokine induced by gamma interferon levels	0.9675	6.06E-08	0.124656	29.3455792 7
rs949425	A	G	A	G	-0.236542	0.073 7	0.049 9	Monokine induced by gamma interferon levels	0.1439	7.51E-09	0.0409301	33.3988041 9
rs9636516	A	G	A	G	-0.091094	-0.017	0.024	Monokine induced by gamma interferon levels	0.4872	7.83E-07	0.0184421	24.3982569 1
rs11360680 1	T	C	T	C	-0.339477	-0.013 6	0.098 2	Macrophage colony stimulating factor levels	0.9379	1.73E-07	0.0649534	27.3159892 2
rs11534381	G	A	G	A	0.308734	0.156 9	0.132 9	Macrophage colony stimulating	0.2364	4.21E-07	0.0610242	25.5955655

0								factor levels				5
rs11674322 8	C	T	C	T	0.331817	0.0745	0.0768	Macrophage colony stimulating factor levels	0.3399	3.69E-15	0.0421888	61.8590035 1
rs14783909 9	G	A	G	A	0.235219	0.0596	0.0744	Macrophage colony stimulating factor levels	0.4216	5.88E-09	0.0404137	33.8756449 2
rs15045080 9	T	C	T	C	0.256891	-0.1231	0.0897	Macrophage colony stimulating factor levels	0.1686	4.29E-07	0.0508128	25.5594512
rs17864109	A	G	A	G	0.305162	0.0633	0.1146	Macrophage colony stimulating factor levels	0.5779	2.78E-06	0.0651204	21.9597193 8
rs2395184	A	G	A	G	0.112527	0.0188	0.0374	Macrophage colony stimulating factor levels	0.615601	1.17E-06	0.0231544	23.6181794 5
rs3098843	G	A	G	A	-0.0888568	-0.0214	0.0295	Macrophage colony stimulating factor levels	0.4683	1.05E-06	0.0181991	23.8386422
rs4888362	C	T	C	T	0.188376	-0.0013	0.0455	Macrophage colony stimulating factor levels	0.9589	8.65E-10	0.0307178	37.6071935 1
rs4987704	A	G	A	G	0.204151	-0.0514	0.0473	Macrophage colony stimulating factor levels	0.2769	5.81E-13	0.0283357	51.9080998 6
rs620	A	G	A	G	-0.182	-0.042	0.059	Macrophage	0.4727	1.48E-	0.037	23.17

63640					72	8	6	colony stimulating factor levels		06	9523	906816
rs73767325	A	G	A	G	0.0845882	-0.0507	0.0283	Macrophage colony stimulating factor levels	0.0738499	3.11E-06	0.0181378	21.7495536 9
rs7624577	A	G	A	G	0.0887149	-0.0238	0.0318	Macrophage colony stimulating factor levels	0.4497	1.56E-06	0.0184702	23.0701245 1
rs949425	A	G	A	G	-0.236542	0.0454	0.0605	Macrophage colony stimulating factor levels	0.4506	7.51E-09	0.0409301	33.3988041 9
rs9636516	A	G	A	G	-0.091094	-0.0364	0.0296	Macrophage colony stimulating factor levels	0.2242	7.83E-07	0.0184421	24.3982569 1
rs11674322 8	C	T	C	T	0.331817	0.0215	0.1187	Monocyte chemoattractant protein-3 levels	0.8689	3.69E-15	0.0421888	61.8590035 1
rs14783909 9	G	A	G	A	0.235219	0.131	0.1126	Monocyte chemoattractant protein-3 levels	0.2353	5.88E-09	0.0404137	33.8756449 2
rs15045080 9	T	C	T	C	0.256891	-0.1496	0.1341	Monocyte chemoattractant protein-3 levels	0.266	4.29E-07	0.0508128	25.5594512
rs2395184	A	G	A	G	0.112527	0.0128	0.0564	Monocyte chemoattractant protein-3 levels	0.8174	1.17E-06	0.0231544	23.6181794 5

rs3098843	G	A	G	A	-0.0888568	-0.0139	0.0454	Monocyte chemoattractant protein-3 levels	0.7615	1.05E-06	0.0181991	23.8386422
rs4888362	C	T	C	T	0.188376	0.0833	0.0709	Monocyte chemoattractant protein-3 levels	0.2389	8.65E-10	0.0307178	37.6071935 1
rs4987704	A	G	A	G	0.204151	0.0046	0.0713	Monocyte chemoattractant protein-3 levels	0.9444	5.81E-13	0.0283357	51.9080998 6
rs62063640	A	G	A	G	-0.18272	0.0631	0.0913	Monocyte chemoattractant protein-3 levels	0.4823	1.48E-06	0.0379523	23.1790681 6
rs73767325	A	G	A	G	0.0845882	0.054	0.0436	Monocyte chemoattractant protein-3 levels	0.2093	3.11E-06	0.0181378	21.7495536 9
rs7624577	A	G	A	G	0.0887149	-0.0698	0.0477	Monocyte chemoattractant protein-3 levels	0.1439	1.56E-06	0.0184702	23.0701245 1
rs949425	A	G	A	G	-0.236542	0.0767	0.0892	Monocyte chemoattractant protein-3 levels	0.3981	7.51E-09	0.0409301	33.3988041 9
rs9636516	A	G	A	G	-0.091094	-0.0332	0.0448	Monocyte chemoattractant protein-3 levels	0.4556	7.83E-07	0.0184421	24.3982569 1
rs11360680	T	C	T	C	-0.339477	0.0203	0.0558	Monocyte chemoattractant	0.730801	1.73E-07	0.0649534	27.3159892

1								protein-1 levels				2
rs11534381 0	G	A	G	A	0.308734	0.1097	0.076	Monocyte chemoattractant protein-1 levels	0.1564	4.21E-07	0.0610242	25.5955655 5
rs11674322 8	C	T	C	T	0.331817	0.0109	0.0435	Monocyte chemoattractant protein-1 levels	0.7835	3.69E-15	0.0421888	61.8590035 1
rs14783909 9	G	A	G	A	0.235219	0.0222	0.041	Monocyte chemoattractant protein-1 levels	0.588499	5.88E-09	0.0404137	33.8756449 2
rs15045080 9	T	C	T	C	0.256891	-0.0187	0.0491	Monocyte chemoattractant protein-1 levels	0.688101	4.29E-07	0.0508128	25.5594512
rs17864109	A	G	A	G	0.305162	0.076	0.0648	Monocyte chemoattractant protein-1 levels	0.267	2.78E-06	0.0651204	21.9597193 8
rs19104136 5	T	C	T	C	0.427578	0.0376	0.082	Monocyte chemoattractant protein-1 levels	0.647301	3.22E-15	0.0542459	62.1293578 7
rs2395184	A	G	A	G	0.112527	0.0473	0.0205	Monocyte chemoattractant protein-1 levels	0.0198701	1.17E-06	0.0231544	23.6181794 5
rs3098843	G	A	G	A	-0.0888568	-0.0106	0.0164	Monocyte chemoattractant protein-1 levels	0.5214	1.05E-06	0.0181991	23.8386422
rs488	C	T	C	T	0.1883	-0.019	0.025	Monocyte	0.4571	8.65E-	0.030	37.60

8362					76	2	5	chemoattractant protein-1 levels		10	7178	719351
rs4987704	A	G	A	G	0.204151	0.0111	0.026	Monocyte chemoattractant protein-1 levels	0.674099	5.81E-13	0.0283357	51.9080998 6
rs62063640	A	G	A	G	-0.18272	0.018	0.0324	Monocyte chemoattractant protein-1 levels	0.5724	1.48E-06	0.0379523	23.1790681 6
rs73767325	A	G	A	G	0.0845882	-0.002	0.0157	Monocyte chemoattractant protein-1 levels	0.8934	3.11E-06	0.0181378	21.7495536 9
rs7624577	A	G	A	G	0.0887149	0.024	0.0171	Monocyte chemoattractant protein-1 levels	0.1645	1.56E-06	0.0184702	23.0701245 1
rs79359283	T	C	T	C	-0.675281	0.0359	0.091	Monocyte chemoattractant protein-1 levels	0.6984	6.06E-08	0.124656	29.3455792 7
rs949425	A	G	A	G	-0.236542	0.0043	0.034	Monocyte chemoattractant protein-1 levels	0.9152	7.51E-09	0.0409301	33.3988041 9
rs9636516	A	G	A	G	-0.091094	-0.0252	0.0158	Monocyte chemoattractant protein-1 levels	0.1032	7.83E-07	0.0184421	24.3982569 1
rs11360680 1	T	C	T	C	-0.339477	0.0169	0.0554	Interleukin-12p70 levels	0.7535	1.73E-07	0.0649534	27.3159892 2

rs11534381 0	G	A	G	A	0.308734	0.111	0.0756	Interleukin-12p70 levels	0.1406	4.21E-07	0.0610242	25.5955655 5
rs11674322 8	C	T	C	T	0.331817	5.00E-04	0.0435	Interleukin-12p70 levels	0.9779	3.69E-15	0.0421888	61.8590035 1
rs14783909 9	G	A	G	A	0.235219	0.0652	0.041	Interleukin-12p70 levels	0.1146	5.88E-09	0.0404137	33.8756449 2
rs15045080 9	T	C	T	C	0.256891	0.0298	0.049	Interleukin-12p70 levels	0.5549	4.29E-07	0.0508128	25.5594512
rs17864109	A	G	A	G	0.305162	0.0551	0.0639	Interleukin-12p70 levels	0.4599	2.78E-06	0.0651204	21.9597193 8
rs19104136 5	T	C	T	C	0.427578	0.1285	0.0832	Interleukin-12p70 levels	0.1222	3.22E-15	0.0542459	62.1293578 7
rs2395184	A	G	A	G	0.112527	0.0233	0.0204	Interleukin-12p70 levels	0.2541	1.17E-06	0.0231544	23.6181794 5
rs3098843	G	A	G	A	-0.0888568	-0.0191	0.0164	Interleukin-12p70 levels	0.2429	1.05E-06	0.0181991	23.8386422
rs4888362	C	T	C	T	0.188376	-0.005	0.0255	Interleukin-12p70 levels	0.8129	8.65E-10	0.0307178	37.6071935 1

rs4987704	A	G	A	G	0.204151	0.0335	0.026	Interleukin-12p70 levels	0.2012	5.81E-13	0.0283357	51.9080998
rs62063640	A	G	A	G	-0.18272	-0.0072	0.0322	Interleukin-12p70 levels	0.8323	1.48E-06	0.0379523	23.1790681
rs73767325	A	G	A	G	0.0845882	-0.0109	0.0157	Interleukin-12p70 levels	0.4877	3.11E-06	0.0181378	21.7495536
rs7624577	A	G	A	G	0.0887149	0.0106	0.0172	Interleukin-12p70 levels	0.5642	1.56E-06	0.0184702	23.0701245
rs79359283	T	C	T	C	-0.675281	0.0908	0.0919	Interleukin-12p70 levels	0.3254	6.06E-08	0.124656	29.3455792
rs949425	A	G	A	G	-0.236542	-0.0283	0.0339	Interleukin-12p70 levels	0.3974	7.51E-09	0.0409301	33.3988041
rs9636516	A	G	A	G	-0.091094	-0.0061	0.0158	Interleukin-12p70 levels	0.686501	7.83E-07	0.0184421	24.3982569
rs11360680	T	C	T	C	-0.339477	0.1401	0.0819	Interferon gamma-induced protein 10 levels	0.0867301	1.73E-07	0.0649534	27.3159892
rs11534381	G	A	G	A	0.308734	0.2663	0.1125	Interferon gamma-induced	0.0168601	4.21E-07	0.0610242	25.5955655

								protein 10 levels				5
rs11674322 8	C	T	C	T	0.331817	-0.043	0.0631	Interferon gamma-induced protein 10 levels	0.5139	3.69E-15	0.0421888	61.8590035 1
rs14783909 9	G	A	G	A	0.235219	0.0049	0.0611	Interferon gamma-induced protein 10 levels	0.9444	5.88E-09	0.0404137	33.8756449 2
rs15045080 9	T	C	T	C	0.256891	-0.0265	0.0715	Interferon gamma-induced protein 10 levels	0.717399	4.29E-07	0.0508128	25.5594512
rs17864109	A	G	A	G	0.305162	0.0093	0.0912	Interferon gamma-induced protein 10 levels	0.8677	2.78E-06	0.0651204	21.9597193 8
rs2395184	A	G	A	G	0.112527	0.0109	0.0307	Interferon gamma-induced protein 10 levels	0.7151	1.17E-06	0.0231544	23.6181794 5
rs3098843	G	A	G	A	-0.0888568	-0.0441	0.0245	Interferon gamma-induced protein 10 levels	0.0723702	1.05E-06	0.0181991	23.8386422
rs4888362	C	T	C	T	0.188376	0.0261	0.0371	Interferon gamma-induced protein 10 levels	0.4822	8.65E-10	0.0307178	37.6071935 1
rs4987704	A	G	A	G	0.204151	0.0558	0.039	Interferon gamma-induced protein 10 levels	0.1523	5.81E-13	0.0283357	51.9080998 6
rs620	A	G	A	G	-0.182	-0.059	0.047	Interferon	0.2167	1.48E-	0.037	23.17

63640					72		8	gamma-induced protein 10 levels		06	9523	906816
rs73767325	A	G	A	G	0.0845882	-0.0011	0.0233	Interferon gamma-induced protein 10 levels	0.9609	3.11E-06	0.0181378	21.7495536 9
rs7624577	A	G	A	G	0.0887149	0.0096	0.0261	Interferon gamma-induced protein 10 levels	0.715201	1.56E-06	0.0184702	23.0701245 1
rs79359283	T	C	T	C	-0.675281	-0.051	0.1406	Interferon gamma-induced protein 10 levels	0.8007	6.06E-08	0.124656	29.3455792 7
rs949425	A	G	A	G	-0.236542	0.0978	0.0502	Interferon gamma-induced protein 10 levels	0.0522902	7.51E-09	0.0409301	33.3988041 9
rs9636516	A	G	A	G	-0.091094	-0.0097	0.024	Interferon gamma-induced protein 10 levels	0.672901	7.83E-07	0.0184421	24.3982569 1
rs11360680 1	T	C	T	C	-0.339477	0.1449	0.0829	Interleukin-18 levels	0.0788297	1.73E-07	0.0649534	27.3159892 2
rs11534381 0	G	A	G	A	0.308734	0.0881	0.1116	Interleukin-18 levels	0.4176	4.21E-07	0.0610242	25.5955655 5
rs11674322 8	C	T	C	T	0.331817	0.0773	0.0633	Interleukin-18 levels	0.2288	3.69E-15	0.0421888	61.8590035 1

rs14783909	G	A	G	A	0.235219	0.0257	0.0623	Interleukin-18 levels	0.6849	5.88E-09	0.0404137	33.8756449
rs15045080	T	C	T	C	0.256891	0.0361	0.0719	Interleukin-18 levels	0.622401	4.29E-07	0.0508128	25.5594512
rs17864109	A	G	A	G	0.305162	0.0745	0.0912	Interleukin-18 levels	0.3896	2.78E-06	0.0651204	21.9597193
rs2395184	A	G	A	G	0.112527	0.0141	0.0308	Interleukin-18 levels	0.6517	1.17E-06	0.0231544	23.6181794
rs3098843	G	A	G	A	-0.0888568	0.0142	0.0245	Interleukin-18 levels	0.5608	1.05E-06	0.0181991	23.8386422
rs4888362	C	T	C	T	0.188376	-0.028	0.0374	Interleukin-18 levels	0.4524	8.65E-10	0.0307178	37.6071935
rs4987704	A	G	A	G	0.204151	0.055	0.0393	Interleukin-18 levels	0.1618	5.81E-13	0.0283357	51.9080998
rs62063640	A	G	A	G	-0.18272	-0.0256	0.0482	Interleukin-18 levels	0.6153	1.48E-06	0.0379523	23.1790681
rs73767325	A	G	A	G	0.0845882	0.0195	0.0235	Interleukin-18 levels	0.4099	3.11E-06	0.0181378	21.7495536

rs7624577	A	G	A	G	0.0887149	-0.0315	0.0263	Interleukin-18 levels	0.2234	1.56E-06	0.0184702	23.0701245 1
rs79359283	T	C	T	C	-0.675281	0.1516	0.1422	Interleukin-18 levels	0.2777	6.06E-08	0.124656	29.3455792 7
rs949425	A	G	A	G	-0.236542	-0.0642	0.0502	Interleukin-18 levels	0.209	7.51E-09	0.0409301	33.3988041 9
rs9636516	A	G	A	G	-0.091094	0.0198	0.0242	Interleukin-18 levels	0.41	7.83E-07	0.0184421	24.3982569 1
rs11360680 1	T	C	T	C	-0.339477	-0.0621	0.0569	Interleukin-17 levels	0.28	1.73E-07	0.0649534	27.3159892 2
rs11534381 0	G	A	G	A	0.308734	0.118	0.0788	Interleukin-17 levels	0.1291	4.21E-07	0.0610242	25.5955655 5
rs11674322 8	C	T	C	T	0.331817	-0.0013	0.0446	Interleukin-17 levels	0.9784	3.69E-15	0.0421888	61.8590035 1
rs14783909 9	G	A	G	A	0.235219	0.0414	0.0424	Interleukin-17 levels	0.3442	5.88E-09	0.0404137	33.8756449 2
rs15045080	T	C	T	C	0.256891	-0.0183	0.0502	Interleukin-17 levels	0.677599	4.29E-07	0.0508128	25.5594512

9												
rs17864109	A	G	A	G	0.305162	0.0242	0.0668	Interleukin-17 levels	0.7991	2.78E-06	0.0651204	21.9597193 8
rs19104136 5	T	C	T	C	0.427578	0.017	0.0845	Interleukin-17 levels	0.8398	3.22E-15	0.0542459	62.1293578 7
rs2395184	A	G	A	G	0.112527	0.0173	0.021	Interleukin-17 levels	0.4057	1.17E-06	0.0231544	23.6181794 5
rs3098843	G	A	G	A	-0.0888568	-0.022	0.0169	Interleukin-17 levels	0.1954	1.05E-06	0.0181991	23.8386422
rs4888362	C	T	C	T	0.188376	-4.00E-04	0.0262	Interleukin-17 levels	0.9746	8.65E-10	0.0307178	37.6071935 1
rs4987704	A	G	A	G	0.204151	0.0162	0.0266	Interleukin-17 levels	0.5494	5.81E-13	0.0283357	51.9080998 6
rs62063640	A	G	A	G	-0.18272	0.0381	0.0331	Interleukin-17 levels	0.2563	1.48E-06	0.0379523	23.1790681 6
rs73767325	A	G	A	G	0.0845882	-0.0036	0.0162	Interleukin-17 levels	0.8241	3.11E-06	0.0181378	21.7495536 9
rs7624577	A	G	A	G	0.0887149	0.0461	0.0177	Interleukin-17 levels	0.0095 7701	1.56E-06	0.0184702	23.0701245

rs79359283	T	C	T	C	-0.675281	0.0717	0.0949	Interleukin-17 levels	0.441199	6.06E-08	0.124656	129.3455792
rs9636516	A	G	A	G	-0.091094	-0.0028	0.0163	Interleukin-17 levels	0.8369	7.83E-07	0.0184421	24.3982569
rs11360680 1	T	C	T	C	-0.339477	-0.059	0.0819	Interleukin-13 levels	0.475	1.73E-07	0.0649534	27.3159892
rs11534381 0	G	A	G	A	0.308734	0.092	0.1118	Interleukin-13 levels	0.4034	4.21E-07	0.0610242	25.5955655 5
rs11674322 8	C	T	C	T	0.331817	-0.0257	0.0638	Interleukin-13 levels	0.6862	3.69E-15	0.0421888	61.8590035 1
rs14783909 9	G	A	G	A	0.235219	0.1249	0.0621	Interleukin-13 levels	0.0439997	5.88E-09	0.0404137	33.8756449 2
rs15045080 9	T	C	T	C	0.256891	-0.0083	0.073	Interleukin-13 levels	0.8782	4.29E-07	0.0508128	25.5594512
rs17864109	A	G	A	G	0.305162	0.1568	0.0933	Interleukin-13 levels	0.101	2.78E-06	0.0651204	21.9597193 8
rs239	A	G	A	G	0.1125	-0.017	0.031	Interleukin-13	0.5961	1.17E-	0.023	23.61

5184					27	1	2	levels		06	1544	817945
rs3098843	G	A	G	A	-0.0888568	-0.0286	0.0249	Interleukin-13 levels	0.2503	1.05E-06	0.0181991	23.8386422
rs4888362	C	T	C	T	0.188376	0.0618	0.0378	Interleukin-13 levels	0.102	8.65E-10	0.0307178	37.6071935 1
rs4987704	A	G	A	G	0.204151	0.0394	0.0397	Interleukin-13 levels	0.3204	5.81E-13	0.0283357	51.9080998 6
rs62063640	A	G	A	G	-0.18272	-0.0256	0.0486	Interleukin-13 levels	0.6017	1.48E-06	0.0379523	23.1790681 6
rs73767325	A	G	A	G	0.0845882	-0.025	0.0238	Interleukin-13 levels	0.2946	3.11E-06	0.0181378	21.7495536 9
rs7624577	A	G	A	G	0.0887149	-0.0011	0.0266	Interleukin-13 levels	0.9665	1.56E-06	0.0184702	23.0701245 1
rs79359283	T	C	T	C	-0.675281	0.1063	0.1403	Interleukin-13 levels	0.4686	6.06E-08	0.124656	29.3455792 7
rs9636516	A	G	A	G	-0.091094	-0.0052	0.0245	Interleukin-13 levels	0.8227	7.83E-07	0.0184421	24.3982569 1
rs113	T	C	T	C	-0.339	-0.029	0.056	Interleukin-10	0.6086	1.73E-	0.064	27.31

606801					477	8	4	levels		07	9534	598922
rs11534381 0	G	A	G	A	0.308734	0.1579	0.0767	Interleukin-10 levels	0.0389197	4.21E-07	0.0610242	25.5955655 5
rs11674322 8	C	T	C	T	0.331817	0.0206	0.0449	Interleukin-10 levels	0.6541	3.69E-15	0.0421888	61.8590035 1
rs14783909 9	G	A	G	A	0.235219	0.0352	0.0423	Interleukin-10 levels	0.4067	5.88E-09	0.0404137	33.8756449 2
rs15045080 9	T	C	T	C	0.256891	0.028	0.0503	Interleukin-10 levels	0.5858	4.29E-07	0.0508128	25.5594512
rs17864109	A	G	A	G	0.305162	0.0242	0.067	Interleukin-10 levels	0.8268	2.78E-06	0.0651204	21.9597193 8
rs19104136 5	T	C	T	C	0.427578	0.0721	0.0864	Interleukin-10 levels	0.401	3.22E-15	0.0542459	62.1293578 7
rs2395184	A	G	A	G	0.112527	0.0122	0.0212	Interleukin-10 levels	0.562	1.17E-06	0.0231544	23.6181794 5
rs3098843	G	A	G	A	-0.0888568	-0.0189	0.017	Interleukin-10 levels	0.2643	1.05E-06	0.0181991	23.8386422
rs488	C	T	C	T	0.1883	0.014	0.026	Interleukin-10	0.5972	8.65E-	0.030	37.60

8362					76	4	3	levels		10	7178	719351
rs4987704	A	G	A	G	0.204151	0.0272	0.0268	Interleukin-10 levels	0.3206	5.81E-13	0.0283357	51.9080998 6
rs62063640	A	G	A	G	-0.18272	-0.0143	0.0333	Interleukin-10 levels	0.6771	1.48E-06	0.0379523	23.1790681 6
rs73767325	A	G	A	G	0.0845882	-0.0154	0.0162	Interleukin-10 levels	0.3439	3.11E-06	0.0181378	21.7495536 9
rs7624577	A	G	A	G	0.0887149	0.0135	0.0177	Interleukin-10 levels	0.447	1.56E-06	0.0184702	23.0701245 1
rs79359283	T	C	T	C	-0.675281	-7.00E-04	0.094	Interleukin-10 levels	0.988	6.06E-08	0.124656	29.3455792 7
rs949425	A	G	A	G	-0.236542	-0.0246	0.0353	Interleukin-10 levels	0.4648	7.51E-09	0.0409301	33.3988041 9
rs9636516	A	G	A	G	-0.091094	-0.0155	0.0163	Interleukin-10 levels	0.3394	7.83E-07	0.0184421	24.3982569 1
rs11360680 1	T	C	T	C	-0.339477	-0.123	0.0832	Interleukin-8 levels	0.1395	1.73E-07	0.0649534	27.3159892 2

rs11534381 0	G	A	G	A	0.308734	0.1832	0.1148	Interleukin-8 levels	0.1107	4.21E-07	0.0610242	25.5955655 5
rs11674322 8	C	T	C	T	0.331817	0.0619	0.0635	Interleukin-8 levels	0.3382	3.69E-15	0.0421888	61.8590035 1
rs14783909 9	G	A	G	A	0.235219	0.1979	0.0626	Interleukin-8 levels	0.0016 3599	5.88E-09	0.0404137	33.8756449 2
rs15045080 9	T	C	T	C	0.256891	0.0016	0.073	Interleukin-8 levels	0.9857	4.29E-07	0.0508128	25.5594512
rs17864109	A	G	A	G	0.305162	0.0742	0.0927	Interleukin-8 levels	0.4588	2.78E-06	0.0651204	21.9597193 8
rs2395184	A	G	A	G	0.112527	-0.0196	0.0312	Interleukin-8 levels	0.537	1.17E-06	0.0231544	23.6181794 5
rs3098843	G	A	G	A	-0.0888568	-0.0014	0.0249	Interleukin-8 levels	0.9563	1.05E-06	0.0181991	23.8386422
rs4888362	C	T	C	T	0.188376	0.0287	0.0379	Interleukin-8 levels	0.4496	8.65E-10	0.0307178	37.6071935 1
rs4987704	A	G	A	G	0.204151	-0.0429	0.0399	Interleukin-8 levels	0.2822	5.81E-13	0.0283357	51.9080998 6

rs62063640	A	G	A	G	-0.18272	0.0087	0.0487	Interleukin-8 levels	0.8654	1.48E-06	0.0379523	23.1790681 6
rs73767325	A	G	A	G	0.0845882	-0.0063	0.0239	Interleukin-8 levels	0.7901	3.11E-06	0.0181378	21.7495536 9
rs7624577	A	G	A	G	0.0887149	0.0229	0.0266	Interleukin-8 levels	0.377	1.56E-06	0.0184702	23.0701245 1
rs79359283	T	C	T	C	-0.675281	0.2873	0.1479	Interleukin-8 levels	0.0568801	6.06E-08	0.124656	29.3455792 7
rs9636516	A	G	A	G	-0.091094	-0.014	0.0245	Interleukin-8 levels	0.5695	7.83E-07	0.0184421	24.3982569 1
rs11360680 1	T	C	T	C	-0.339477	-0.0351	0.0558	Interleukin-6 levels	0.5353	1.73E-07	0.0649534	27.3159892 2
rs11534381 0	G	A	G	A	0.308734	0.1337	0.0762	Interleukin-6 levels	0.0786702	4.21E-07	0.0610242	25.5955655 5
rs11674322 8	C	T	C	T	0.331817	0.0094	0.0437	Interleukin-6 levels	0.8083	3.69E-15	0.0421888	61.8590035 1
rs14783909	G	A	G	A	0.235219	0.0215	0.0417	Interleukin-6 levels	0.6304	5.88E-09	0.0404137	33.8756449

9												2
rs15045080 9	T	C	T	C	0.256891	0.0795	0.0492	Interleukin-6 levels	0.1131	4.29E-07	0.0508128	25.5594512
rs17864109	A	G	A	G	0.305162	0.0885	0.065	Interleukin-6 levels	0.2361	2.78E-06	0.0651204	21.9597193 8
rs2395184	A	G	A	G	0.112527	0.0238	0.0206	Interleukin-6 levels	0.2422	1.17E-06	0.0231544	23.6181794 5
rs3098843	G	A	G	A	-0.0888568	0.0062	0.0165	Interleukin-6 levels	0.7047	1.05E-06	0.0181991	23.8386422
rs4888362	C	T	C	T	0.188376	0.001	0.0256	Interleukin-6 levels	0.9996	8.65E-10	0.0307178	37.6071935 1
rs4987704	A	G	A	G	0.204151	0.0361	0.0261	Interleukin-6 levels	0.1659	5.81E-13	0.0283357	51.9080998 6
rs62063640	A	G	A	G	-0.18272	0.017	0.0324	Interleukin-6 levels	0.593	1.48E-06	0.0379523	23.1790681 6
rs73767325	A	G	A	G	0.0845882	-0.0055	0.0158	Interleukin-6 levels	0.7275	3.11E-06	0.0181378	21.7495536 9
rs7624577	A	G	A	G	0.0887149	0.0378	0.0172	Interleukin-6 levels	0.0291998	1.56E-06	0.0184702	23.0701245

rs79359283	T	C	T	C	-0.675281	0.054	0.0926	Interleukin-6 levels	0.5489	6.06E-08	0.124656	129.3455792 7
rs9636516	A	G	A	G	-0.091094	-0.0335	0.0159	Interleukin-6 levels	0.0338501	7.83E-07	0.0184421	24.3982569 1
rs11360680 1	T	C	T	C	-0.339477	-0.1514	0.0829	Interleukin-1-receptor antagonist levels	0.0693506	1.73E-07	0.0649534	27.3159892 2
rs11534381 0	G	A	G	A	0.308734	0.1361	0.1118	Interleukin-1-receptor antagonist levels	0.2232	4.21E-07	0.0610242	25.5955655 5
rs11674322 8	C	T	C	T	0.331817	-0.0316	0.0631	Interleukin-1-receptor antagonist levels	0.595701	3.69E-15	0.0421888	61.8590035 1
rs14783909 9	G	A	G	A	0.235219	0.0861	0.0617	Interleukin-1-receptor antagonist levels	0.1654	5.88E-09	0.0404137	33.8756449 2
rs15045080 9	T	C	T	C	0.256891	-0.0423	0.0724	Interleukin-1-receptor antagonist levels	0.522701	4.29E-07	0.0508128	25.5594512
rs17864109	A	G	A	G	0.305162	0.2403	0.0917	Interleukin-1-receptor antagonist levels	0.01193	2.78E-06	0.0651204	21.9597193 8
rs239	A	G	A	G	0.1125	-4.00E	0.030	Interleukin-1-rece	0.9851	1.17E-	0.023	23.61

5184					27	-04	9	ptor antagonist levels		06	1544	817945
rs3098843	G	A	G	A	-0.0888568	0.0109	0.0246	Interleukin-1-receptor antagonist levels	0.6642	1.05E-06	0.0181991	23.8386422
rs4888362	C	T	C	T	0.188376	0.0546	0.0373	Interleukin-1-receptor antagonist levels	0.1432	8.65E-10	0.0307178	37.6071935 1
rs4987704	A	G	A	G	0.204151	0.0134	0.039	Interleukin-1-receptor antagonist levels	0.7317	5.81E-13	0.0283357	51.9080998 6
rs62063640	A	G	A	G	-0.18272	0.0419	0.0482	Interleukin-1-receptor antagonist levels	0.3798	1.48E-06	0.0379523	23.1790681 6
rs73767325	A	G	A	G	0.0845882	-0.024	0.0235	Interleukin-1-receptor antagonist levels	0.3071	3.11E-06	0.0181378	21.7495536 9
rs7624577	A	G	A	G	0.0887149	0.0232	0.0264	Interleukin-1-receptor antagonist levels	0.3853	1.56E-06	0.0184702	23.0701245 1
rs79359283	T	C	T	C	-0.675281	0.1063	0.1385	Interleukin-1-receptor antagonist levels	0.4011	6.06E-08	0.124656	29.3455792 7
rs9636516	A	G	A	G	-0.091094	-0.0217	0.0242	Interleukin-1-receptor antagonist levels	0.366	7.83E-07	0.0184421	24.3982569 1

rs11360681	T	C	T	C	-0.339477	-0.1163	0.0653	Interleukin-1-beta levels	0.0237898	1.73E-07	0.0649534	27.3159892
rs11534381	G	A	G	A	0.308734	0.0734	0.0886	Interleukin-1-beta levels	0.9604	4.21E-07	0.0610242	25.5955655
rs11674322	C	T	C	T	0.331817	0.0476	0.0503	Interleukin-1-beta levels	0.7114	3.69E-15	0.0421888	61.8590035
rs14783909	G	A	G	A	0.235219	0.092	0.0491	Interleukin-1-beta levels	0.0782492	5.88E-09	0.0404137	33.8756449
rs15045080	T	C	T	C	0.256891	-0.0129	0.0578	Interleukin-1-beta levels	0.4129	4.29E-07	0.0508128	25.5594512
rs17864109	A	G	A	G	0.305162	0.1968	0.0736	Interleukin-1-beta levels	0.0026 6698	2.78E-06	0.0651204	21.9597193
rs19104136	T	C	T	C	0.427578	0.2079	0.1255	Interleukin-1-beta levels	0.1079	3.22E-15	0.0542459	62.1293578
rs2395184	A	G	A	G	0.112527	0.0103	0.0244	Interleukin-1-beta levels	0.894	1.17E-06	0.0231544	23.6181794
rs3098843	G	A	G	A	-0.0888568	-0.0051	0.0195	Interleukin-1-beta levels	0.7769	1.05E-06	0.0181991	23.8386422

rs4888362	C	T	C	T	0.188376	0.0274	0.0298	Interleukin-1-beta levels	0.215	8.65E-10	0.0307178	37.6071935 1
rs4987704	A	G	A	G	0.204151	-0.048	0.0312	Interleukin-1-beta levels	0.2809	5.81E-13	0.0283357	51.9080998 6
rs62063640	A	G	A	G	-0.18272	-0.0146	0.0384	Interleukin-1-beta levels	0.9153	1.48E-06	0.0379523	23.1790681 6
rs73767325	A	G	A	G	0.0845882	-0.0142	0.0186	Interleukin-1-beta levels	0.580801	3.11E-06	0.0181378	21.7495536 9
rs7624577	A	G	A	G	0.0887149	0.0158	0.0208	Interleukin-1-beta levels	0.0960793	1.56E-06	0.0184702	23.0701245 1
rs79359283	T	C	T	C	-0.675281	0.0751	0.1192	Interleukin-1-beta levels	0.4448	6.06E-08	0.124656	29.3455792 7
rs9636516	A	G	A	G	-0.091094	-0.0307	0.0193	Interleukin-1-beta levels	0.2988	7.83E-07	0.0184421	24.3982569 1
rs11360680 1	T	C	T	C	-0.339477	0.0383	0.056	Hepatocyte growth factor levels	0.4938	1.73E-07	0.0649534	27.3159892 2
rs11534381	G	A	G	A	0.308734	0.0088	0.0762	Hepatocyte growth factor	0.9082	4.21E-07	0.0610242	25.5955655

0								levels				5
rs11674322 8	C	T	C	T	0.331817	-0.0138	0.0435	Hepatocyte growth factor levels	0.7473	3.69E-15	0.0421888	61.8590035 1
rs14783909 9	G	A	G	A	0.235219	0.0038	0.0415	Hepatocyte growth factor levels	0.9316	5.88E-09	0.0404137	33.8756449 2
rs15045080 9	T	C	T	C	0.256891	-0.0187	0.0488	Hepatocyte growth factor levels	0.706801	4.29E-07	0.0508128	25.5594512
rs17864109	A	G	A	G	0.305162	0.1014	0.0646	Hepatocyte growth factor levels	0.1185	2.78E-06	0.0651204	21.9597193 8
rs19104136 5	T	C	T	C	0.427578	-0.05	0.0844	Hepatocyte growth factor levels	0.5465	3.22E-15	0.0542459	62.1293578 7
rs2395184	A	G	A	G	0.112527	0.0107	0.0204	Hepatocyte growth factor levels	0.5977	1.17E-06	0.0231544	23.6181794 5
rs3098843	G	A	G	A	-0.0888568	-0.0065	0.0163	Hepatocyte growth factor levels	0.689	1.05E-06	0.0181991	23.8386422
rs4888362	C	T	C	T	0.188376	0.0555	0.0254	Hepatocyte growth factor levels	0.0320398	8.65E-10	0.0307178	37.6071935 1
rs498	A	G	A	G	0.2041	0.034	0.026	Hepatocyte	0.1811	5.81E-	0.028	51.90

7704					51	8		growth factor levels		13	3357	809986
rs62063640	A	G	A	G	-0.18272	0.024	0.0322	Hepatocyte growth factor levels	0.4464	1.48E-06	0.0379523	23.1790681 6
rs73767325	A	G	A	G	0.0845882	0.0104	0.0156	Hepatocyte growth factor levels	0.510301	3.11E-06	0.0181378	21.7495536 9
rs7624577	A	G	A	G	0.0887149	0.0079	0.0171	Hepatocyte growth factor levels	0.6349	1.56E-06	0.0184702	23.0701245 1
rs79359283	T	C	T	C	-0.675281	-0.1536	0.0915	Hepatocyte growth factor levels	0.0931108	6.06E-08	0.124656	29.3455792 7
rs949425	A	G	A	G	-0.236542	-0.025	0.0341	Hepatocyte growth factor levels	0.4511	7.51E-09	0.0409301	33.3988041 9
rs9636516	A	G	A	G	-0.091094	0.0059	0.0157	Hepatocyte growth factor levels	0.6947	7.83E-07	0.0184421	24.3982569 1
rs11360680 1	T	C	T	C	-0.339477	-0.1023	0.0821	Interleukin-9 levels	0.2123	1.73E-07	0.0649534	27.3159892 2
rs11534381 0	G	A	G	A	0.308734	0.1065	0.1122	Interleukin-9 levels	0.3435	4.21E-07	0.0610242	25.5955655 5

rs11674322 8	C	T	C	T	0.331817	-0.0097	0.063	Interleukin-9 levels	0.8704	3.69E-15	0.0421888	61.8590035 1
rs14783909 9	G	A	G	A	0.235219	0.0654	0.0595	Interleukin-9 levels	0.2722	5.88E-09	0.0404137	33.8756449 2
rs15045080 9	T	C	T	C	0.256891	0.0535	0.0724	Interleukin-9 levels	0.4844	4.29E-07	0.0508128	25.5594512
rs17864109	A	G	A	G	0.305162	0.0554	0.0914	Interleukin-9 levels	0.5838	2.78E-06	0.0651204	21.9597193 8
rs2395184	A	G	A	G	0.112527	0.0213	0.0309	Interleukin-9 levels	0.4802	1.17E-06	0.0231544	23.6181794 5
rs3098843	G	A	G	A	-0.0888568	-0.0498	0.0246	Interleukin-9 levels	0.0423097	1.05E-06	0.0181991	23.8386422
rs4888362	C	T	C	T	0.188376	0.0596	0.0373	Interleukin-9 levels	0.1113	8.65E-10	0.0307178	37.6071935 1
rs4987704	A	G	A	G	0.204151	-0.0537	0.0393	Interleukin-9 levels	0.1723	5.81E-13	0.0283357	51.9080998 6
rs62063640	A	G	A	G	-0.18272	0.0503	0.0482	Interleukin-9 levels	0.2958	1.48E-06	0.0379523	23.1790681 6

rs73767325	A	G	A	G	0.0845882	-0.0101	0.0236	Interleukin-9 levels	0.666699	3.11E-06	0.0181378	21.7495536 9
rs7624577	A	G	A	G	0.0887149	0.0012	0.0263	Interleukin-9 levels	0.9699	1.56E-06	0.0184702	23.0701245 1
rs79359283	T	C	T	C	-0.675281	0.1853	0.1407	Interleukin-9 levels	0.1977	6.06E-08	0.124656	29.3455792 7
rs9636516	A	G	A	G	-0.091094	-0.0067	0.0243	Interleukin-9 levels	0.782699	7.83E-07	0.0184421	24.3982569 1
rs11360680 1	T	C	T	C	-0.339477	0.0046	0.084	Interleukin-7 levels	0.9355	1.73E-07	0.0649534	27.3159892 2
rs11534381 0	G	A	G	A	0.308734	0.0469	0.1128	Interleukin-7 levels	0.677901	4.21E-07	0.0610242	25.5955655 5
rs11674322 8	C	T	C	T	0.331817	-0.029	0.0654	Interleukin-7 levels	0.639699	3.69E-15	0.0421888	61.8590035 1
rs14783909 9	G	A	G	A	0.235219	0.0818	0.0636	Interleukin-7 levels	0.2044	5.88E-09	0.0404137	33.8756449 2
rs15045080	T	C	T	C	0.256891	0.0633	0.074	Interleukin-7 levels	0.4069	4.29E-07	0.0508128	25.5594512

9												
rs17864109	A	G	A	G	0.305162	0.077	0.0946	Interleukin-7 levels	0.4823	2.78E-06	0.0651204	21.9597193
rs2395184	A	G	A	G	0.112527	-0.0162	0.0318	Interleukin-7 levels	0.6229	1.17E-06	0.0231544	23.6181794
rs3098843	G	A	G	A	-0.088 8568	-0.0101	0.0253	Interleukin-7 levels	0.677901	1.05E-06	0.0181991	23.8386422
rs4888362	C	T	C	T	0.188376	0.0489	0.0384	Interleukin-7 levels	0.1998	8.65E-10	0.0307178	37.6071935
rs4987704	A	G	A	G	0.204151	-0.0197	0.0404	Interleukin-7 levels	0.6239	5.81E-13	0.0283357	51.9080998
rs62063640	A	G	A	G	-0.18272	0.0033	0.0498	Interleukin-7 levels	0.9503	1.48E-06	0.0379523	23.1790681
rs73767325	A	G	A	G	0.0845882	-0.0429	0.0243	Interleukin-7 levels	0.0776408	3.11E-06	0.0181378	21.7495536
rs7624577	A	G	A	G	0.0887149	0.0379	0.0272	Interleukin-7 levels	0.1712	1.56E-06	0.0184702	23.0701245
rs79359283	T	C	T	C	-0.675281	0.0818	0.1454	Interleukin-7 levels	0.5748	6.06E-08	0.124656	29.3455792

												7
rs9636516	A	G	A	G	-0.091094	0.0151	0.025	Interleukin-7 levels	0.542099	7.83E-07	0.0184421	24.3982569 1
rs11360680 1	T	C	T	C	-0.339477	-0.127	0.0853	Interleukin-5 levels	0.1363	1.73E-07	0.0649534	27.3159892 2
rs11534381 0	G	A	G	A	0.308734	0.1388	0.1197	Interleukin-5 levels	0.2459	4.21E-07	0.0610242	25.5955655 5
rs11674322 8	C	T	C	T	0.331817	0.0585	0.0663	Interleukin-5 levels	0.369	3.69E-15	0.0421888	61.8590035 1
rs14783909 9	G	A	G	A	0.235219	0.0698	0.0646	Interleukin-5 levels	0.303	5.88E-09	0.0404137	33.8756449 2
rs15045080 9	T	C	T	C	0.256891	0.0214	0.0749	Interleukin-5 levels	0.8001	4.29E-07	0.0508128	25.5594512
rs17864109	A	G	A	G	0.305162	0.0294	0.0949	Interleukin-5 levels	0.8106	2.78E-06	0.0651204	21.9597193 8
rs19104136 5	T	C	T	C	0.427578	0.1115	0.115	Interleukin-5 levels	0.3398	3.22E-15	0.0542459	62.1293578 7
rs239	A	G	A	G	0.1125	-0.014	0.031	Interleukin-5	0.6418	1.17E-	0.023	23.61

5184					27	6	8	levels	99	06	1544	817945
rs3098843	G	A	G	A	-0.0888568	-0.0362	0.0256	Interleukin-5 levels	0.1566	1.05E-06	0.0181991	23.8386422
rs4888362	C	T	C	T	0.188376	0.0868	0.0391	Interleukin-5 levels	0.0262198	8.65E-10	0.0307178	37.6071935 1
rs4987704	A	G	A	G	0.204151	-0.0172	0.0406	Interleukin-5 levels	0.672201	5.81E-13	0.0283357	51.9080998 6
rs62063640	A	G	A	G	-0.18272	-0.0038	0.0494	Interleukin-5 levels	0.9391	1.48E-06	0.0379523	23.1790681 6
rs73767325	A	G	A	G	0.0845882	-0.0204	0.0245	Interleukin-5 levels	0.4049	3.11E-06	0.0181378	21.7495536 9
rs7624577	A	G	A	G	0.0887149	0.05	0.0274	Interleukin-5 levels	0.0641106	1.56E-06	0.0184702	23.0701245 1
rs79359283	T	C	T	C	-0.675281	0.0641	0.1524	Interleukin-5 levels	0.680299	6.06E-08	0.124656	29.3455792 7
rs9636516	A	G	A	G	-0.091094	-0.0257	0.0251	Interleukin-5 levels	0.3019	7.83E-07	0.0184421	24.3982569 1
rs113	T	C	T	C	-0.339	-0.089	0.056	Interleukin-4	0.1227	1.73E-	0.064	27.31

606801					477	7	7	levels		07	9534	598922
rs11534381 0	G	A	G	A	0.308734	0.0965	0.0759	Interleukin-4 levels	0.2037	4.21E-07	0.0610242	25.5955655 5
rs11674322 8	C	T	C	T	0.331817	0.0516	0.0439	Interleukin-4 levels	0.2528	3.69E-15	0.0421888	61.8590035 1
rs14783909 9	G	A	G	A	0.235219	0.021	0.0423	Interleukin-4 levels	0.6544	5.88E-09	0.0404137	33.8756449 2
rs15045080 9	T	C	T	C	0.256891	0.0025	0.0495	Interleukin-4 levels	0.9848	4.29E-07	0.0508128	25.5594512
rs17864109	A	G	A	G	0.305162	0.1148	0.065	Interleukin-4 levels	0.102	2.78E-06	0.0651204	21.9597193 8
rs19104136 5	T	C	T	C	0.427578	0.1087	0.0843	Interleukin-4 levels	0.1976	3.22E-15	0.0542459	62.1293578 7
rs2395184	A	G	A	G	0.112527	0.0609	0.0206	Interleukin-4 levels	0.0030 7603	1.17E-06	0.0231544	23.6181794 5
rs3098843	G	A	G	A	-0.0888568	-0.0023	0.0166	Interleukin-4 levels	0.889	1.05E-06	0.0181991	23.8386422
rs488	C	T	C	T	0.1883	0.012	0.025	Interleukin-4	0.6525	8.65E-	0.030	37.60

8362					76	9	7	levels	01	10	7178	719351
rs4987704	A	G	A	G	0.204151	0.0241	0.0262	Interleukin-4 levels	0.3584	5.81E-13	0.0283357	51.9080998 6
rs62063640	A	G	A	G	-0.18272	0.0075	0.0326	Interleukin-4 levels	0.8081	1.48E-06	0.0379523	23.1790681 6
rs73767325	A	G	A	G	0.0845882	0.0069	0.0158	Interleukin-4 levels	0.6627	3.11E-06	0.0181378	21.7495536 9
rs7624577	A	G	A	G	0.0887149	0.035	0.0173	Interleukin-4 levels	0.0444498	1.56E-06	0.0184702	23.0701245 1
rs79359283	T	C	T	C	-0.675281	0.0511	0.0932	Interleukin-4 levels	0.5858	6.06E-08	0.124656	29.3455792 7
rs9636516	A	G	A	G	-0.091094	-0.0095	0.0159	Interleukin-4 levels	0.5533	7.83E-07	0.0184421	24.3982569 1
rs11360680 1	T	C	T	C	-0.339477	0.0631	0.0809	Interleukin-2 receptor antagonist levels	0.4315	1.73E-07	0.0649534	27.3159892 2
rs11534381 0	G	A	G	A	0.308734	0.1547	0.1101	Interleukin-2 receptor antagonist levels	0.1604	4.21E-07	0.0610242	25.5955655 5

rs11674322 8	C	T	C	T	0.331817	0.0225	0.0623	Interleukin-2 receptor antagonist levels	0.714301	3.69E-15	0.041888	61.8590035 1
rs14783909 9	G	A	G	A	0.235219	-0.0651	0.0601	Interleukin-2 receptor antagonist levels	0.2794	5.88E-09	0.040 4137	33.8756449 2
rs15045080 9	T	C	T	C	0.256891	0.0189	0.0717	Interleukin-2 receptor antagonist levels	0.7782	4.29E-07	0.050 8128	25.5594512
rs17864109	A	G	A	G	0.305162	0.0901	0.0907	Interleukin-2 receptor antagonist levels	0.26	2.78E-06	0.065 1204	21.9597193 8
rs2395184	A	G	A	G	0.112527	-0.0371	0.0307	Interleukin-2 receptor antagonist levels	0.2274	1.17E-06	0.023 1544	23.6181794 5
rs3098843	G	A	G	A	-0.0888568	-0.0262	0.0245	Interleukin-2 receptor antagonist levels	0.2868	1.05E-06	0.018 1991	23.8386422
rs4888362	C	T	C	T	0.188376	-0.0443	0.0373	Interleukin-2 receptor antagonist levels	0.2344	8.65E-10	0.030 7178	37.6071935 1
rs4987704	A	G	A	G	0.204151	-0.0216	0.0389	Interleukin-2 receptor antagonist levels	0.5754	5.81E-13	0.028 3357	51.9080998 6
rs62063640	A	G	A	G	-0.18272	0.0303	0.0477	Interleukin-2 receptor	0.5317	1.48E-06	0.037 9523	23.1790681

								antagonist levels				6
rs73767325	A	G	A	G	0.0845882	0.0054	0.0234	Interleukin-2 receptor antagonist levels	0.8194	3.11E-06	0.0181378	21.7495536 9
rs7624577	A	G	A	G	0.0887149	-5.00E-04	0.0261	Interleukin-2 receptor antagonist levels	0.9996	1.56E-06	0.0184702	23.0701245 1
rs79359283	T	C	T	C	-0.675281	0.0679	0.1397	Interleukin-2 receptor antagonist levels	0.6398	6.06E-08	0.124656	29.3455792 7
rs949425	A	G	A	G	-0.236542	0.0033	0.0501	Interleukin-2 receptor antagonist levels	0.9619	7.51E-09	0.0409301	33.3988041 9
rs9636516	A	G	A	G	-0.091094	-0.0091	0.024	Interleukin-2 receptor antagonist levels	0.7146	7.83E-07	0.0184421	24.3982569 1
rs11360680 1	T	C	T	C	-0.339477	-0.0964	0.0843	Interleukin-2 levels	0.2674	1.73E-07	0.0649534	27.3159892 2
rs11534381 0	G	A	G	A	0.308734	0.072	0.1149	Interleukin-2 levels	0.5372	4.21E-07	0.0610242	25.5955655 5
rs11674322 8	C	T	C	T	0.331817	0.0532	0.0639	Interleukin-2 levels	0.4175	3.69E-15	0.0421888	61.8590035 1
rs147	G	A	G	A	0.2352	0.128	0.062	Interleukin-2	0.0414	5.88E-	0.040	33.87

839099					19	1		levels	105	09	4137	564492
rs15045080 9	T	C	T	C	0.256891	-0.0823	0.0741	Interleukin-2 levels	0.2268	4.29E-07	0.0508128	25.5594512
rs17864109	A	G	A	G	0.305162	0.1778	0.0931	Interleukin-2 levels	0.0614894	2.78E-06	0.0651204	21.9597193 8
rs2395184	A	G	A	G	0.112527	-0.0373	0.0315	Interleukin-2 levels	0.24	1.17E-06	0.0231544	23.6181794 5
rs3098843	G	A	G	A	-0.0888568	-0.0035	0.0251	Interleukin-2 levels	0.8832	1.05E-06	0.0181991	23.8386422
rs4888362	C	T	C	T	0.188376	0.0289	0.0383	Interleukin-2 levels	0.4525	8.65E-10	0.0307178	37.6071935 1
rs4987704	A	G	A	G	0.204151	-0.0269	0.04	Interleukin-2 levels	0.5021	5.81E-13	0.0283357	51.9080998 6
rs62063640	A	G	A	G	-0.18272	0.0027	0.0488	Interleukin-2 levels	0.9655	1.48E-06	0.0379523	23.1790681 6
rs73767325	A	G	A	G	0.0845882	0.002	0.0241	Interleukin-2 levels	0.9355	3.11E-06	0.0181378	21.7495536 9
rs762	A	G	A	G	0.0887	0.022	0.026	Interleukin-2	0.4042	1.56E-	0.018	23.07

4577					149	5	9	levels		06	4702	012451
rs79359283	T	C	T	C	-0.675281	0.1344	0.1427	Interleukin-2 levels	0.3808	6.06E-08	0.124656	29.3455792 7
rs9636516	A	G	A	G	-0.091094	-0.0372	0.0247	Interleukin-2 levels	0.1291	7.83E-07	0.0184421	24.3982569 1
rs11360680 1	T	C	T	C	-0.339477	-0.0207	0.0578	Interferon gamma levels	0.7166	1.73E-07	0.0649534	27.3159892 2
rs11534381 0	G	A	G	A	0.308734	0.0963	0.0781	Interferon gamma levels	0.2125	4.21E-07	0.0610242	25.5955655 5
rs11674322 8	C	T	C	T	0.331817	0.014	0.045	Interferon gamma levels	0.7491	3.69E-15	0.0421888	61.8590035 1
rs14783909 9	G	A	G	A	0.235219	0.0809	0.0433	Interferon gamma levels	0.0655104	5.88E-09	0.0404137	33.8756449 2
rs15045080 9	T	C	T	C	0.256891	-0.0317	0.0508	Interferon gamma levels	0.5291	4.29E-07	0.0508128	25.5594512
rs17864109	A	G	A	G	0.305162	0.0441	0.0669	Interferon gamma levels	0.5921	2.78E-06	0.0651204	21.9597193 8

rs19104136 5	T	C	T	C	0.427578	0.0555	0.0856	Interferon gamma levels	0.5166	3.22E-15	0.0542459	62.1293578 7
rs2395184	A	G	A	G	0.112527	0.019	0.0211	Interferon gamma levels	0.3605	1.17E-06	0.0231544	23.6181794 5
rs3098843	G	A	G	A	-0.0888568	-0.0189	0.017	Interferon gamma levels	0.267	1.05E-06	0.0181991	23.8386422
rs4888362	C	T	C	T	0.188376	0.0127	0.0264	Interferon gamma levels	0.663599	8.65E-10	0.0307178	37.6071935 1
rs4987704	A	G	A	G	0.204151	-0.0057	0.0267	Interferon gamma levels	0.8179	5.81E-13	0.0283357	51.9080998 6
rs62063640	A	G	A	G	-0.18272	0.0189	0.0333	Interferon gamma levels	0.5736	1.48E-06	0.0379523	23.1790681 6
rs73767325	A	G	A	G	0.0845882	-0.0088	0.0162	Interferon gamma levels	0.5916	3.11E-06	0.0181378	21.7495536 9
rs7624577	A	G	A	G	0.0887149	0.0146	0.0178	Interferon gamma levels	0.4353	1.56E-06	0.0184702	23.0701245 1
rs79359283	T	C	T	C	-0.675281	-0.0419	0.0953	Interferon gamma levels	0.676401	6.06E-08	0.124656	29.3455792 7

rs9636516	A	G	A	G	-0.091094	-0.0142	0.0164	Interferon gamma levels	0.3814	7.83E-07	0.0184421	24.3982569 1
rs11360680 1	T	C	T	C	-0.339477	-0.0746	0.083	Growth-regulated protein alpha levels	0.3553	1.73E-07	0.0649534	27.3159892 2
rs11534381 0	G	A	G	A	0.308734	0.0876	0.1172	Growth-regulated protein alpha levels	0.4553	4.21E-07	0.0610242	25.5955655 5
rs11674322 8	C	T	C	T	0.331817	0.0736	0.0632	Growth-regulated protein alpha levels	0.2356	3.69E-15	0.0421888	61.8590035 1
rs14783909 9	G	A	G	A	0.235219	0.0085	0.0629	Growth-regulated protein alpha levels	0.8863	5.88E-09	0.0404137	33.8756449 2
rs15045080 9	T	C	T	C	0.256891	-0.112	0.0731	Growth-regulated protein alpha levels	0.1208	4.29E-07	0.0508128	25.5594512
rs17864109	A	G	A	G	0.305162	0.1492	0.0918	Growth-regulated protein alpha levels	0.0893902	2.78E-06	0.0651204	21.9597193 8
rs2395184	A	G	A	G	0.112527	-0.0571	0.0312	Growth-regulated protein alpha levels	0.0672404	1.17E-06	0.0231544	23.6181794 5
rs3098843	G	A	G	A	-0.0888568	-0.0139	0.025	Growth-regulated protein alpha	0.5775	1.05E-06	0.0181991	23.8386422

								levels				
rs4888362	C	T	C	T	0.188376	0.0226	0.0381	Growth-regulated protein alpha levels	0.5517	8.65E-10	0.0307178	37.6071935 1
rs4987704	A	G	A	G	0.204151	-0.0333	0.0399	Growth-regulated protein alpha levels	0.4067	5.81E-13	0.0283357	51.9080998 6
rs62063640	A	G	A	G	-0.18272	-0.034	0.0489	Growth-regulated protein alpha levels	0.494	1.48E-06	0.0379523	23.1790681 6
rs73767325	A	G	A	G	0.0845882	0.0116	0.0239	Growth-regulated protein alpha levels	0.632501	3.11E-06	0.0181378	21.7495536 9
rs7624577	A	G	A	G	0.0887149	-0.0156	0.0268	Growth-regulated protein alpha levels	0.5605	1.56E-06	0.0184702	23.0701245 1
rs79359283	T	C	T	C	-0.675281	-0.0819	0.1429	Growth-regulated protein alpha levels	0.5723	6.06E-08	0.124656	29.3455792 7
rs949425	A	G	A	G	-0.236542	0.0304	0.0508	Growth-regulated protein alpha levels	0.5465	7.51E-09	0.0409301	33.3988041 9
rs9636516	A	G	A	G	-0.091094	-0.0254	0.0247	Growth-regulated protein alpha levels	0.3039	7.83E-07	0.0184421	24.3982569 1
rs113	T	C	T	C	-0.339	-0.008	0.057	Granulocyte-colon	0.8799	1.73E-	0.064	27.31

606801					477	6	2	y stimulating factor levels		07	9534	598922
rs11534381 0	G	A	G	A	0.308734	0.1443	0.0764	Granulocyte-colony stimulating factor levels	0.0566996	4.21E-07	0.0610242	25.5955655 5
rs11674322 8	C	T	C	T	0.331817	0.0394	0.0447	Granulocyte-colony stimulating factor levels	0.3734	3.69E-15	0.0421888	61.8590035 1
rs14783909 9	G	A	G	A	0.235219	0.0819	0.0421	Granulocyte-colony stimulating factor levels	0.0546903	5.88E-09	0.0404137	33.8756449 2
rs15045080 9	T	C	T	C	0.256891	0.0355	0.0499	Granulocyte-colony stimulating factor levels	0.4876	4.29E-07	0.0508128	25.5594512
rs17864109	A	G	A	G	0.305162	0.085	0.0658	Granulocyte-colony stimulating factor levels	0.2195	2.78E-06	0.0651204	21.9597193 8
rs2395184	A	G	A	G	0.112527	0.031	0.0209	Granulocyte-colony stimulating factor levels	0.1346	1.17E-06	0.0231544	23.6181794 5
rs3098843	G	A	G	A	-0.0888568	-0.0195	0.0167	Granulocyte-colony stimulating factor levels	0.2463	1.05E-06	0.0181991	23.8386422
rs4888362	C	T	C	T	0.188376	0.0065	0.0259	Granulocyte-colony stimulating factor levels	0.8017	8.65E-10	0.0307178	37.6071935 1

rs4987704	A	G	A	G	0.204151	-0.0104	0.0264	Granulocyte-colony stimulating factor levels	0.6903	5.81E-13	0.0283357	51.9080998 6
rs62063640	A	G	A	G	-0.18272	0.05	0.0327	Granulocyte-colony stimulating factor levels	0.125	1.48E-06	0.0379523	23.1790681 6
rs73767325	A	G	A	G	0.0845882	1.00E-04	0.016	Granulocyte-colony stimulating factor levels	0.9993	3.11E-06	0.0181378	21.7495536 9
rs7624577	A	G	A	G	0.0887149	0.0481	0.0175	Granulocyte-colony stimulating factor levels	0.0065 2905	1.56E-06	0.0184702	23.0701245 1
rs79359283	T	C	T	C	-0.675281	0.2208	0.0929	Granulocyte-colony stimulating factor levels	0.0192 101	6.06E-08	0.124656	29.3455792 7
rs9636516	A	G	A	G	-0.091094	0.0073	0.0161	Granulocyte-colony stimulating factor levels	0.6473 01	7.83E-07	0.0184421	24.3982569 1
rs11360680 1	T	C	T	C	-0.339477	-0.104	0.0568	Fibroblast growth factor basic levels	0.0677 704	1.73E-07	0.0649534	27.3159892 2
rs11534381 0	G	A	G	A	0.308734	-0.0052	0.0771	Fibroblast growth factor basic levels	0.92	4.21E-07	0.0610242	25.5955655 5
rs11674322	C	T	C	T	0.331817	-0.0313	0.0452	Fibroblast growth factor basic levels	0.5023	3.69E-15	0.0421888	61.8590035

8												1
rs14783909 9	G	A	G	A	0.235219	0.053	0.0428	Fibroblast growth factor basic levels	0.2277	5.88E-09	0.0404137	33.8756449 2
rs15045080 9	T	C	T	C	0.256891	-0.0441	0.0505	Fibroblast growth factor basic levels	0.3597	4.29E-07	0.0508128	25.5594512
rs17864109	A	G	A	G	0.305162	0.1083	0.0682	Fibroblast growth factor basic levels	0.1357	2.78E-06	0.0651204	21.9597193 8
rs2395184	A	G	A	G	0.112527	0.0122	0.0213	Fibroblast growth factor basic levels	0.564	1.17E-06	0.0231544	23.6181794 5
rs3098843	G	A	G	A	-0.0888568	-0.0139	0.0171	Fibroblast growth factor basic levels	0.4182	1.05E-06	0.0181991	23.8386422
rs4888362	C	T	C	T	0.188376	0.017	0.0265	Fibroblast growth factor basic levels	0.5445	8.65E-10	0.0307178	37.6071935 1
rs4987704	A	G	A	G	0.204151	0.0384	0.0268	Fibroblast growth factor basic levels	0.1542	5.81E-13	0.0283357	51.9080998 6
rs62063640	A	G	A	G	-0.18272	0.0326	0.0335	Fibroblast growth factor basic levels	0.3328	1.48E-06	0.0379523	23.1790681 6
rs73767325	A	G	A	G	0.0845882	-0.0031	0.0163	Fibroblast growth factor basic levels	0.8451	3.11E-06	0.0181378	21.7495536

												9
rs7624577	A	G	A	G	0.0887149	0.0304	0.0178	Fibroblast growth factor basic levels	0.0903109	1.56E-06	0.0184702	23.0701245 1
rs79359283	T	C	T	C	-0.675281	0.0232	0.094	Fibroblast growth factor basic levels	0.7968	6.06E-08	0.124656	29.3455792 7
rs949425	A	G	A	G	-0.236542	-0.0224	0.0354	Fibroblast growth factor basic levels	0.4957	7.51E-09	0.0409301	33.3988041 9
rs9636516	A	G	A	G	-0.091094	-0.0127	0.0165	Fibroblast growth factor basic levels	0.4289	7.83E-07	0.0184421	24.3982569 1
rs11360680 1	T	C	T	C	-0.339477	-0.0459	0.0561	Eotaxin levels	0.4182	1.73E-07	0.0649534	27.3159892 2
rs11534381 0	G	A	G	A	0.308734	-0.0382	0.0774	Eotaxin levels	0.6181	4.21E-07	0.0610242	25.5955655 5
rs11674322 8	C	T	C	T	0.331817	-0.0336	0.0442	Eotaxin levels	0.4451	3.69E-15	0.0421888	61.8590035 1
rs14783909 9	G	A	G	A	0.235219	0.0296	0.0418	Eotaxin levels	0.4913	5.88E-09	0.0404137	33.8756449 2
rs150	T	C	T	C	0.2568	-0.014	0.049	Eotaxin levels	0.7105	4.29E-	0.050	25.55

450809					91	8	4			07	8128	94512
rs17864109	A	G	A	G	0.305162	0.0123	0.0647	Eotaxin levels	0.8872	2.78E-06	0.0651204	21.9597193 8
rs19104136 5	T	C	T	C	0.427578	-0.0377	0.0843	Eotaxin levels	0.658901	3.22E-15	0.0542459	62.1293578 7
rs2395184	A	G	A	G	0.112527	0.0144	0.0205	Eotaxin levels	0.4783	1.17E-06	0.0231544	23.6181794 5
rs3098843	G	A	G	A	-0.0888568	0.0106	0.0165	Eotaxin levels	0.513499	1.05E-06	0.0181991	23.8386422
rs4888362	C	T	C	T	0.188376	0.016	0.0256	Eotaxin levels	0.5608	8.65E-10	0.0307178	37.6071935 1
rs4987704	A	G	A	G	0.204151	0.0024	0.0262	Eotaxin levels	0.9267	5.81E-13	0.0283357	51.9080998 6
rs62063640	A	G	A	G	-0.18272	-0.0343	0.0323	Eotaxin levels	0.282	1.48E-06	0.0379523	23.1790681 6
rs73767325	A	G	A	G	0.0845882	0.0117	0.0158	Eotaxin levels	0.4612	3.11E-06	0.0181378	21.7495536 9
rs762	A	G	A	G	0.0887	-0.002	0.017	Eotaxin levels	0.8693	1.56E-	0.018	23.07

4577					149	6	3			06	4702	012451
rs79359283	T	C	T	C	-0.675281	0.1363	0.0918	Eotaxin levels	0.1394	6.06E-08	0.124656	29.3455792 7
rs949425	A	G	A	G	-0.236542	0.0552	0.0343	Eotaxin levels	0.1156	7.51E-09	0.0409301	33.3988041 9
rs9636516	A	G	A	G	-0.091094	-0.004	0.0159	Eotaxin levels	0.7887	7.83E-07	0.0184421	24.3982569 1

AAP_Cytokine												
SNP	effect_allele.exposure	other_allele.exposure	effect_allele.outcome	other_allele.outcome	beta.exposure	beta.outcome	se.outcome	pval.outcome	outcome.deprecated	pval.exposure	se.exposure	F
rs1003543 2	A	G	A	G	0.192	0.046	0.035	0.187	CTACK levels	0.000	0.035	30.568
rs1075549 0	G	A	G	A	0.113	0.028	0.024	0.246	CTACK levels	0.000	0.025	20.983
rs1084750 6	T	C	T	C	0.143	-0.001	0.030	0.980	CTACK levels	0.000	0.031	20.856

rs11443480404	G	T	G	T	0.320	0.016	0.070	0.800	CTACK levels	0.000	0.070	21.218
rs11534381010	G	A	G	A	0.509	0.088	0.114	0.445	CTACK levels	0.000	0.077	43.169
rs11542841818	T	C	T	C	-0.341	-0.003	0.069	0.972	CTACK levels	0.000	0.066	27.047
rs11618083434	A	G	A	G	0.430	0.005	0.101	0.957	CTACK levels	0.000	0.081	28.240
rs11674322828	C	T	C	T	0.472	0.119	0.063	0.059	CTACK levels	0.000	0.055	74.686
rs12532408	A	G	A	G	0.245	-0.013	0.052	0.818	CTACK levels	0.000	0.049	24.910
rs147839099	G	A	G	A	0.327	-0.066	0.062	0.286	CTACK levels	0.000	0.053	37.633
rs18084139191	T	G	T	G	0.363	0.006	0.076	0.895	CTACK levels	0.000	0.076	22.971
rs2099700	A	G	A	G	0.180	0.045	0.041	0.273	CTACK levels	0.000	0.039	21.283

rs4726575	G	T	G	T	0.167	0.039	0.025	0.109	CTACK levels	0.000	0.026	42.174
rs6453912	T	C	T	C	0.123	-0.052	0.026	0.046	CTACK levels	0.000	0.025	24.178
rs6501457	T	C	T	C	-0.126	0.002	0.027	0.936	CTACK levels	0.000	0.027	21.665
rs6576081	C	T	C	T	0.130	-0.043	0.026	0.097	CTACK levels	0.000	0.026	25.409
rs7281583 0	A	G	A	G	0.293	0.171	0.077	0.029	CTACK levels	0.000	0.060	23.542
rs9271367	A	G	A	G	0.126	0.027	0.024	0.258	CTACK levels	0.000	0.025	25.069
rs9635812	A	G	A	G	-0.133	0.027	0.026	0.297	CTACK levels	0.000	0.028	22.732
rs9842794	T	G	T	G	0.116	0.014	0.024	0.549	CTACK levels	0.000	0.025	21.947
rs1003543 2	A	G	A	G	0.192	0.018	0.035	0.611	beta-nerve growth factor levels	0.000	0.035	30.568
rs1075549 0	G	A	G	A	0.113	0.021	0.025	0.410	beta-nerve growth factor levels	0.000	0.025	20.983
rs1084750 6	T	C	T	C	0.143	-0.010	0.030	0.745	beta-nerve growth factor levels	0.000	0.031	20.856

rs11443480404	G	T	G	T	0.320	-0.015	0.070	0.824	beta-nerve growth factor levels	0.000	0.070	21.218
rs11534381010	G	A	G	A	0.509	0.059	0.116	0.604	beta-nerve growth factor levels	0.000	0.077	43.169
rs11542841818	T	C	T	C	-0.341	0.049	0.070	0.449	beta-nerve growth factor levels	0.000	0.066	27.047
rs11618083434	A	G	A	G	0.430	0.022	0.099	0.828	beta-nerve growth factor levels	0.000	0.081	28.240
rs11674322828	C	T	C	T	0.472	0.083	0.064	0.187	beta-nerve growth factor levels	0.000	0.055	74.686
rs12532408	A	G	A	G	0.245	-0.048	0.053	0.381	beta-nerve growth factor levels	0.000	0.049	24.910
rs147839099	G	A	G	A	0.327	0.013	0.063	0.835	beta-nerve growth factor levels	0.000	0.053	37.633
rs180841391	T	G	T	G	0.363	0.064	0.076	0.415	beta-nerve growth factor levels	0.000	0.076	22.971
rs2099700	A	G	A	G	0.180	-0.026	0.041	0.516	beta-nerve growth factor levels	0.000	0.039	21.283

rs4726575	G	T	G	T	0.167	0.038	0.025	0.123	beta-nerve growth factor levels	0.000	0.026	42.174
rs6453912	T	C	T	C	0.123	0.000	0.026	0.993	beta-nerve growth factor levels	0.000	0.025	24.178
rs6501457	T	C	T	C	-0.126	-0.019	0.028	0.486	beta-nerve growth factor levels	0.000	0.027	21.665
rs6576081	C	T	C	T	0.130	0.011	0.026	0.676	beta-nerve growth factor levels	0.000	0.026	25.409
rs7281583 0	A	G	A	G	0.293	0.063	0.078	0.395	beta-nerve growth factor levels	0.000	0.060	23.542
rs9271367	A	G	A	G	0.126	-0.006	0.024	0.798	beta-nerve growth factor levels	0.000	0.025	25.069
rs9635812	A	G	A	G	-0.133	-0.012	0.027	0.651	beta-nerve growth factor levels	0.000	0.028	22.732
rs9842794	T	G	T	G	0.116	0.015	0.024	0.516	beta-nerve growth factor levels	0.000	0.025	21.947
rs1003543 2	A	G	A	G	0.192	0.028	0.026	0.308	Vascular endothelial growth factor levels	0.000	0.035	30.568
rs1075549 0	G	A	G	A	0.113	0.018	0.017	0.299	Vascular endothelial growth factor levels	0.000	0.025	20.983
rs1084750 6	T	C	T	C	0.143	-0.019	0.021	0.374	Vascular endothelial growth factor levels	0.000	0.031	20.856

rs11443480404	G	T	G	T	0.320	0.042	0.049	0.386	Vascular endothelial growth factor levels	0.000	0.070	21.218
rs11534381010	G	A	G	A	0.509	0.094	0.080	0.243	Vascular endothelial growth factor levels	0.000	0.077	43.169
rs11542841818	T	C	T	C	-0.341	0.028	0.049	0.598	Vascular endothelial growth factor levels	0.000	0.066	27.047
rs11618083434	A	G	A	G	0.430	-0.019	0.070	0.783	Vascular endothelial growth factor levels	0.000	0.081	28.240
rs11674322828	C	T	C	T	0.472	-0.006	0.047	0.931	Vascular endothelial growth factor levels	0.000	0.055	74.686
rs12532408	A	G	A	G	0.245	0.070	0.037	0.058	Vascular endothelial growth factor levels	0.000	0.049	24.910
rs147839099	G	A	G	A	0.327	0.104	0.044	0.020	Vascular endothelial growth factor levels	0.000	0.053	37.633
rs180841391	T	G	T	G	0.363	-0.036	0.054	0.502	Vascular endothelial growth factor levels	0.000	0.076	22.971
rs2099700	A	G	A	G	0.180	0.025	0.029	0.398	Vascular endothelial growth	0.000	0.039	21.283

									factor levels			
rs4726575	G	T	G	T	0.167	-0.002	0.017	0.937	Vascular endothelial growth factor levels	0.000	0.026	42.174
rs6453912	T	C	T	C	0.123	-0.040	0.018	0.029	Vascular endothelial growth factor levels	0.000	0.025	24.178
rs6501457	T	C	T	C	-0.126	0.013	0.020	0.508	Vascular endothelial growth factor levels	0.000	0.027	21.665
rs6576081	C	T	C	T	0.130	0.034	0.019	0.063	Vascular endothelial growth factor levels	0.000	0.026	25.409
rs7281583 0	A	G	A	G	0.293	0.048	0.053	0.297	Vascular endothelial growth factor levels	0.000	0.060	23.542
rs9271367	A	G	A	G	0.126	-0.001	0.017	0.968	Vascular endothelial growth factor levels	0.000	0.025	25.069
rs9635812	A	G	A	G	-0.133	0.003	0.019	0.860	Vascular endothelial growth factor levels	0.000	0.028	22.732
rs9842794	T	G	T	G	0.116	0.017	0.017	0.308	Vascular endothelial growth factor levels	0.000	0.025	21.947
rs100	A	G	A	G	0.192	0.017	0.036	0.638	Macrophage	0.000	0.035	30.568

35432									Migration Inhibitory Factor levels			
rs1075549 0	G	A	G	A	0.113	0.006	0.025	0.822	Macrophage Migration Inhibitory Factor levels	0.000	0.025	20.983
rs1084750 6	T	C	T	C	0.143	-0.017	0.030	0.570	Macrophage Migration Inhibitory Factor levels	0.000	0.031	20.856
rs1144348 04	G	T	G	T	0.320	0.026	0.070	0.706	Macrophage Migration Inhibitory Factor levels	0.000	0.070	21.218
rs1153438 10	G	A	G	A	0.509	-0.083	0.112	0.496	Macrophage Migration Inhibitory Factor levels	0.000	0.077	43.169
rs1154284 18	T	C	T	C	-0.341	0.070	0.071	0.325	Macrophage Migration Inhibitory Factor levels	0.000	0.066	27.047
rs1161808 34	A	G	A	G	0.430	-0.056	0.103	0.583	Macrophage Migration Inhibitory Factor	0.000	0.081	28.240

									levels			
rs1167432 28	C	T	C	T	0.472	-0.023	0.065	0.703	Macrophage Migration Inhibitory Factor levels	0.000	0.055	74.686
rs1253240 8	A	G	A	G	0.245	0.012	0.053	0.818	Macrophage Migration Inhibitory Factor levels	0.000	0.049	24.910
rs1478390 99	G	A	G	A	0.327	-0.050	0.063	0.428	Macrophage Migration Inhibitory Factor levels	0.000	0.053	37.633
rs1808413 91	T	G	T	G	0.363	-0.012	0.077	0.893	Macrophage Migration Inhibitory Factor levels	0.000	0.076	22.971
rs2099700	A	G	A	G	0.180	-0.067	0.042	0.110	Macrophage Migration Inhibitory Factor levels	0.000	0.039	21.283
rs4726575	G	T	G	T	0.167	0.022	0.025	0.393	Macrophage Migration Inhibitory Factor levels	0.000	0.026	42.174
rs645	T	C	T	C	0.123	0.006	0.026	0.798	Macrophage	0.000	0.025	24.178

3912								Migration Inhibitory Factor levels				
rs6501457	T	C	T	C	-0.126	-0.010	0.028	0.725	Macrophage Migration Inhibitory Factor levels	0.000	0.027	21.665
rs6576081	C	T	C	T	0.130	0.006	0.026	0.826	Macrophage Migration Inhibitory Factor levels	0.000	0.026	25.409
rs7281583 0	A	G	A	G	0.293	0.015	0.079	0.869	Macrophage Migration Inhibitory Factor levels	0.000	0.060	23.542
rs9271367	A	G	A	G	0.126	0.004	0.024	0.878	Macrophage Migration Inhibitory Factor levels	0.000	0.025	25.069
rs9635812	A	G	A	G	-0.133	-0.006	0.027	0.835	Macrophage Migration Inhibitory Factor levels	0.000	0.028	22.732
rs9842794	T	G	T	G	0.116	0.021	0.024	0.378	Macrophage Migration Inhibitory Factor	0.000	0.025	21.947

									levels			
rs100 3543 2	A	G	A	G	0.192	0.014	0.024	0.571	TRAIL levels	0.000	0.035	30.568
rs107 5549 0	G	A	G	A	0.113	-0.003	0.016	0.868	TRAIL levels	0.000	0.025	20.983
rs108 4750 6	T	C	T	C	0.143	0.010	0.020	0.613	TRAIL levels	0.000	0.031	20.856
rs114 4348 04	G	T	G	T	0.320	0.078	0.046	0.092	TRAIL levels	0.000	0.070	21.218
rs115 3438 10	G	A	G	A	0.509	0.082	0.077	0.288	TRAIL levels	0.000	0.077	43.169
rs115 4284 18	T	C	T	C	-0.341	-0.029	0.045	0.503	TRAIL levels	0.000	0.066	27.047
rs116 1808 34	A	G	A	G	0.430	0.084	0.066	0.198	TRAIL levels	0.000	0.081	28.240
rs116 7432 28	C	T	C	T	0.472	0.043	0.044	0.326	TRAIL levels	0.000	0.055	74.686
rs125	A	G	A	G	0.245	-0.014	0.035	0.714	TRAIL levels	0.000	0.049	24.910

32408												
rs14783909	G	A	G	A	0.327	-0.057	0.041	0.165	TRAIL levels	0.000	0.053	37.633
rs18084131	T	G	T	G	0.363	-0.037	0.051	0.486	TRAIL levels	0.000	0.076	22.971
rs19104136 5	T	C	T	C	0.651	0.139	0.082	0.092	TRAIL levels	0.000	0.068	91.635
rs2099700	A	G	A	G	0.180	0.026	0.027	0.346	TRAIL levels	0.000	0.039	21.283
rs4726575	G	T	G	T	0.167	0.007	0.016	0.655	TRAIL levels	0.000	0.026	42.174
rs6453912	T	C	T	C	0.123	0.005	0.017	0.744	TRAIL levels	0.000	0.025	24.178
rs6501457	T	C	T	C	-0.126	0.011	0.019	0.541	TRAIL levels	0.000	0.027	21.665
rs6576081	C	T	C	T	0.130	-0.022	0.017	0.219	TRAIL levels	0.000	0.026	25.409
rs72815830	A	G	A	G	0.293	0.046	0.049	0.339	TRAIL levels	0.000	0.060	23.542
rs9271367	A	G	A	G	0.126	-0.030	0.016	0.058	TRAIL levels	0.000	0.025	25.069

rs9635812	A	G	A	G	-0.133	0.013	0.017	0.465	TRAIL levels	0.000	0.028	22.732
rs9842794	T	G	T	G	0.116	0.003	0.016	0.864	TRAIL levels	0.000	0.025	21.947
rs1003543 2	A	G	A	G	0.192	-0.089	0.052	0.084	Tumor necrosis factor beta levels	0.000	0.035	30.568
rs1075549 0	G	A	G	A	0.113	0.027	0.037	0.470	Tumor necrosis factor beta levels	0.000	0.025	20.983
rs1084750 6	T	C	T	C	0.143	0.047	0.046	0.323	Tumor necrosis factor beta levels	0.000	0.031	20.856
rs1144348 04	G	T	G	T	0.320	0.141	0.103	0.171	Tumor necrosis factor beta levels	0.000	0.070	21.218
rs1253240 8	A	G	A	G	0.245	-0.102	0.083	0.241	Tumor necrosis factor beta levels	0.000	0.049	24.910
rs1478390 99	G	A	G	A	0.327	0.032	0.096	0.728	Tumor necrosis factor beta levels	0.000	0.053	37.633
rs2099700	A	G	A	G	0.180	-0.038	0.064	0.553	Tumor necrosis factor beta levels	0.000	0.039	21.283
rs4726575	G	T	G	T	0.167	0.051	0.037	0.151	Tumor necrosis factor beta levels	0.000	0.026	42.174

rs6453912	T	C	T	C	0.123	-0.027	0.039	0.479	Tumor necrosis factor beta levels	0.000	0.025	24.178
rs6501457	T	C	T	C	-0.126	0.054	0.042	0.177	Tumor necrosis factor beta levels	0.000	0.027	21.665
rs6576081	C	T	C	T	0.130	0.064	0.038	0.092	Tumor necrosis factor beta levels	0.000	0.026	25.409
rs9271367	A	G	A	G	0.126	-0.059	0.036	0.099	Tumor necrosis factor beta levels	0.000	0.025	25.069
rs9635812	A	G	A	G	-0.133	0.056	0.040	0.169	Tumor necrosis factor beta levels	0.000	0.028	22.732
rs9842794	T	G	T	G	0.116	-0.063	0.036	0.079	Tumor necrosis factor beta levels	0.000	0.025	21.947
rs1003543 2	A	G	A	G	0.192	-0.025	0.036	0.479	Tumor necrosis factor alpha levels	0.000	0.035	30.568
rs1075549 0	G	A	G	A	0.113	0.001	0.025	0.972	Tumor necrosis factor alpha levels	0.000	0.025	20.983
rs1084750 6	T	C	T	C	0.143	-0.047	0.030	0.121	Tumor necrosis factor alpha levels	0.000	0.031	20.856
rs1144348 04	G	T	G	T	0.320	0.079	0.072	0.273	Tumor necrosis factor alpha levels	0.000	0.070	21.218
rs1153438	G	A	G	A	0.509	0.035	0.115	0.793	Tumor necrosis factor alpha levels	0.000	0.077	43.169

10 rs1154284 18	T	C	T	C	-0.341	0.037	0.071	0.584	Tumor necrosis factor alpha levels	0.000	0.066	27.047
rs1161808 34	A	G	A	G	0.430	0.103	0.101	0.301	Tumor necrosis factor alpha levels	0.000	0.081	28.240
rs1167432 28	C	T	C	T	0.472	-0.004	0.065	0.947	Tumor necrosis factor alpha levels	0.000	0.055	74.686
rs1253240 8	A	G	A	G	0.245	-0.044	0.054	0.430	Tumor necrosis factor alpha levels	0.000	0.049	24.910
rs1478390 99	G	A	G	A	0.327	0.106	0.064	0.094	Tumor necrosis factor alpha levels	0.000	0.053	37.633
rs1808413 91	T	G	T	G	0.363	0.071	0.077	0.383	Tumor necrosis factor alpha levels	0.000	0.076	22.971
rs2099700	A	G	A	G	0.180	0.026	0.042	0.523	Tumor necrosis factor alpha levels	0.000	0.039	21.283
rs4726575	G	T	G	T	0.167	0.004	0.025	0.882	Tumor necrosis factor alpha levels	0.000	0.026	42.174
rs6453912	T	C	T	C	0.123	-0.002	0.026	0.962	Tumor necrosis factor alpha levels	0.000	0.025	24.178
rs650	T	C	T	C	-0.126	-0.022	0.028	0.440	Tumor necrosis	0.000	0.027	21.665

1457									factor alpha levels			
rs6576081	C	T	C	T	0.130	-0.004	0.026	0.873	Tumor necrosis factor alpha levels	0.000	0.026	25.409
rs7281583 0	A	G	A	G	0.293	0.056	0.082	0.485	Tumor necrosis factor alpha levels	0.000	0.060	23.542
rs9271367	A	G	A	G	0.126	-0.015	0.024	0.526	Tumor necrosis factor alpha levels	0.000	0.025	25.069
rs9635812	A	G	A	G	-0.133	-0.010	0.027	0.712	Tumor necrosis factor alpha levels	0.000	0.028	22.732
rs9842794	T	G	T	G	0.116	-0.008	0.024	0.738	Tumor necrosis factor alpha levels	0.000	0.025	21.947
rs1003543 2	A	G	A	G	0.192	0.005	0.025	0.862	Stromal-cell-derived factor 1 alpha levels	0.000	0.035	30.568
rs1075549 0	G	A	G	A	0.113	0.001	0.017	0.970	Stromal-cell-derived factor 1 alpha levels	0.000	0.025	20.983
rs1084750 6	T	C	T	C	0.143	0.032	0.020	0.023	Stromal-cell-derived factor 1 alpha levels	0.000	0.031	20.856
rs1144348 04	G	T	G	T	0.320	-0.015	0.047	0.968	Stromal-cell-derived factor 1 alpha levels	0.000	0.070	21.218
rs1153438	G	A	G	A	0.509	-0.003	0.089	0.564	Stromal-cell-derived factor 1 alpha	0.000	0.077	43.169

10									levels			
rs115									Stromal-cell-deriv			
4284	T	C	T	C	-0.341	0.101	0.047	0.042	ed factor 1 alpha	0.000	0.066	27.047
18									levels			
rs116									Stromal-cell-deriv			
1808	A	G	A	G	0.430	0.111	0.068	0.597	ed factor 1 alpha	0.000	0.081	28.240
34									levels			
rs116									Stromal-cell-deriv			
7432	C	T	C	T	0.472	0.003	0.045	0.529	ed factor 1 alpha	0.000	0.055	74.686
28									levels			
rs125									Stromal-cell-deriv			
3240	A	G	A	G	0.245	-0.031	0.036	0.820	ed factor 1 alpha	0.000	0.049	24.910
8									levels			
rs147									Stromal-cell-deriv			
8390	G	A	G	A	0.327	0.011	0.043	0.295	ed factor 1 alpha	0.000	0.053	37.633
99									levels			
rs180									Stromal-cell-deriv			
8413	T	G	T	G	0.363	-0.014	0.052	0.688	ed factor 1 alpha	0.000	0.076	22.971
91									levels			
rs191									Stromal-cell-deriv			
0413	T	C	T	C	0.651	-0.050	0.085	0.883	ed factor 1 alpha	0.000	0.068	91.635
65									levels			
rs209									Stromal-cell-deriv			
9700	A	G	A	G	0.180	0.007	0.028	0.432	ed factor 1 alpha	0.000	0.039	21.283
									levels			
rs472	G	T	G	T	0.167	0.009	0.017	0.847	Stromal-cell-deriv	0.000	0.026	42.174

6575									ed factor 1 alpha levels			
rs6453912	T	C	T	C	0.123	0.015	0.017	0.609	Stromal-cell-derived factor 1 alpha levels	0.000	0.025	24.178
rs6501457	T	C	T	C	-0.126	0.045	0.019	0.065	Stromal-cell-derived factor 1 alpha levels	0.000	0.027	21.665
rs6576081	C	T	C	T	0.130	0.034	0.018	0.019	Stromal-cell-derived factor 1 alpha levels	0.000	0.026	25.409
rs7281583 0	A	G	A	G	0.293	0.140	0.051	0.036	Stromal-cell-derived factor 1 alpha levels	0.000	0.060	23.542
rs9271367	A	G	A	G	0.126	-0.010	0.016	0.594	Stromal-cell-derived factor 1 alpha levels	0.000	0.025	25.069
rs9635812	A	G	A	G	-0.133	-0.004	0.018	0.616	Stromal-cell-derived factor 1 alpha levels	0.000	0.028	22.732
rs9842794	T	G	T	G	0.116	0.004	0.016	0.974	Stromal-cell-derived factor 1 alpha levels	0.000	0.025	21.947
rs1003543 2	A	G	A	G	0.192	0.043	0.035	0.208	Stem cell growth factor beta levels	0.000	0.035	30.568

rs1075549 0	G	A	G	A	0.113	0.031	0.024	0.197	Stem cell growth factor beta levels	0.000	0.025	20.983
rs1084750 6	T	C	T	C	0.143	-0.027	0.030	0.375	Stem cell growth factor beta levels	0.000	0.031	20.856
rs1144348 04	G	T	G	T	0.320	0.115	0.069	0.091	Stem cell growth factor beta levels	0.000	0.070	21.218
rs1153438 10	G	A	G	A	0.509	-0.140	0.111	0.204	Stem cell growth factor beta levels	0.000	0.077	43.169
rs1154284 18	T	C	T	C	-0.341	-0.055	0.069	0.468	Stem cell growth factor beta levels	0.000	0.066	27.047
rs1161808 34	A	G	A	G	0.430	0.006	0.098	0.932	Stem cell growth factor beta levels	0.000	0.081	28.240
rs1167432 28	C	T	C	T	0.472	0.017	0.063	0.762	Stem cell growth factor beta levels	0.000	0.055	74.686
rs1253240 8	A	G	A	G	0.245	0.063	0.052	0.221	Stem cell growth factor beta levels	0.000	0.049	24.910
rs1478390	G	A	G	A	0.327	0.009	0.061	0.894	Stem cell growth factor beta levels	0.000	0.053	37.633

99 rs1808413 91	T	G	T	G	0.363	0.073	0.075	0.332	Stem cell growth factor beta levels	0.000	0.076	22.971
rs2099700	A	G	A	G	0.180	0.041	0.041	0.317	Stem cell growth factor beta levels	0.000	0.039	21.283
rs4726575	G	T	G	T	0.167	0.034	0.024	0.158	Stem cell growth factor beta levels	0.000	0.026	42.174
rs6453912	T	C	T	C	0.123	0.026	0.025	0.304	Stem cell growth factor beta levels	0.000	0.025	24.178
rs6501457	T	C	T	C	-0.126	-0.038	0.027	0.159	Stem cell growth factor beta levels	0.000	0.027	21.665
rs6576081	C	T	C	T	0.130	0.023	0.025	0.355	Stem cell growth factor beta levels	0.000	0.026	25.409
rs7281583 0	A	G	A	G	0.293	-0.033	0.078	0.694	Stem cell growth factor beta levels	0.000	0.060	23.542
rs9271367	A	G	A	G	0.126	-0.027	0.024	0.253	Stem cell growth factor beta levels	0.000	0.025	25.069
rs9635812	A	G	A	G	-0.133	0.034	0.026	0.182	Stem cell growth factor beta levels	0.000	0.028	22.732
rs9842794	T	G	T	G	0.116	0.015	0.023	0.540	Stem cell growth factor beta levels	0.000	0.025	21.947
rs1003543 2	A	G	A	G	0.192	-0.006	0.024	0.777	Stem cell factor levels	0.000	0.035	30.568

rs1075549 0	G	A	G	A	0.113	0.015	0.016	0.366	Stem cell factor levels	0.000	0.025	20.983
rs1084750 6	T	C	T	C	0.143	0.017	0.020	0.394	Stem cell factor levels	0.000	0.031	20.856
rs1144348 04	G	T	G	T	0.320	0.002	0.046	0.960	Stem cell factor levels	0.000	0.070	21.218
rs1153438 10	G	A	G	A	0.509	0.073	0.076	0.337	Stem cell factor levels	0.000	0.077	43.169
rs1154284 18	T	C	T	C	-0.341	0.009	0.045	0.826	Stem cell factor levels	0.000	0.066	27.047
rs1161808 34	A	G	A	G	0.430	0.002	0.065	0.973	Stem cell factor levels	0.000	0.081	28.240
rs1167432 28	C	T	C	T	0.472	0.034	0.043	0.441	Stem cell factor levels	0.000	0.055	74.686
rs1253240 8	A	G	A	G	0.245	-0.004	0.035	0.905	Stem cell factor levels	0.000	0.049	24.910
rs1478390	G	A	G	A	0.327	0.059	0.041	0.148	Stem cell factor levels	0.000	0.053	37.633

99												
rs1808413991	T	G	T	G	0.363	-0.051	0.050	0.316	Stem cell factor levels	0.000	0.076	22.971
rs19104136565	T	C	T	C	0.651	-0.040	0.082	0.630	Stem cell factor levels	0.000	0.068	91.635
rs2099700	A	G	A	G	0.180	0.051	0.027	0.059	Stem cell factor levels	0.000	0.039	21.283
rs4726575	G	T	G	T	0.167	0.006	0.016	0.706	Stem cell factor levels	0.000	0.026	42.174
rs6453912	T	C	T	C	0.123	-0.026	0.017	0.129	Stem cell factor levels	0.000	0.025	24.178
rs6501457	T	C	T	C	-0.126	0.029	0.018	0.116	Stem cell factor levels	0.000	0.027	21.665
rs6576081	C	T	C	T	0.130	-0.033	0.017	0.054	Stem cell factor levels	0.000	0.026	25.409
rs72815830	A	G	A	G	0.293	0.125	0.049	0.011	Stem cell factor levels	0.000	0.060	23.542
rs9271367	A	G	A	G	0.126	0.035	0.016	0.026	Stem cell factor levels	0.000	0.025	25.069
rs9635812	A	G	A	G	-0.133	0.023	0.017	0.175	Stem cell factor levels	0.000	0.028	22.732
rs9842794	T	G	T	G	0.116	0.005	0.016	0.730	Stem cell factor levels	0.000	0.025	21.947

rs1003543 2	A	G	A	G	0.192	0.123	0.036	0.001	Interleukin-16 levels	0.000	0.035	30.568
rs1075549 0	G	A	G	A	0.113	-0.018	0.025	0.447	Interleukin-16 levels	0.000	0.025	20.983
rs1084750 6	T	C	T	C	0.143	-0.012	0.030	0.702	Interleukin-16 levels	0.000	0.031	20.856
rs1144348 04	G	T	G	T	0.320	-0.032	0.071	0.654	Interleukin-16 levels	0.000	0.070	21.218
rs1153438 10	G	A	G	A	0.509	0.082	0.117	0.480	Interleukin-16 levels	0.000	0.077	43.169
rs1154284 18	T	C	T	C	-0.341	-0.003	0.070	0.954	Interleukin-16 levels	0.000	0.066	27.047
rs1161808 34	A	G	A	G	0.430	0.012	0.098	0.902	Interleukin-16 levels	0.000	0.081	28.240
rs1167432 28	C	T	C	T	0.472	-0.085	0.065	0.215	Interleukin-16 levels	0.000	0.055	74.686
rs1253240	A	G	A	G	0.245	-0.051	0.054	0.338	Interleukin-16 levels	0.000	0.049	24.910

8 rs1478390 99	G	A	G	A	0.327	-0.028	0.063	0.672	Interleukin-16 levels	0.000	0.053	37.633
rs1808413 91	T	G	T	G	0.363	-0.031	0.076	0.684	Interleukin-16 levels	0.000	0.076	22.971
rs2099700	A	G	A	G	0.180	-0.045	0.042	0.278	Interleukin-16 levels	0.000	0.039	21.283
rs4726575	G	T	G	T	0.167	-0.002	0.025	0.952	Interleukin-16 levels	0.000	0.026	42.174
rs6453912	T	C	T	C	0.123	0.017	0.026	0.518	Interleukin-16 levels	0.000	0.025	24.178
rs6501457	T	C	T	C	-0.126	0.022	0.028	0.435	Interleukin-16 levels	0.000	0.027	21.665
rs6576081	C	T	C	T	0.130	0.012	0.026	0.663	Interleukin-16 levels	0.000	0.026	25.409
rs7281583 0	A	G	A	G	0.293	0.139	0.078	0.075	Interleukin-16 levels	0.000	0.060	23.542
rs9271367	A	G	A	G	0.126	0.004	0.024	0.861	Interleukin-16 levels	0.000	0.025	25.069
rs9635812	A	G	A	G	-0.133	-0.038	0.026	0.147	Interleukin-16 levels	0.000	0.028	22.732
rs9842794	T	G	T	G	0.116	0.011	0.024	0.643	Interleukin-16 levels	0.000	0.025	21.947

rs1003543 2	A	G	A	G	0.192	0.001	0.036	0.986	RANTES levels	0.000	0.035	30.568
rs1075549 0	G	A	G	A	0.113	-0.003	0.025	0.916	RANTES levels	0.000	0.025	20.983
rs1084750 6	T	C	T	C	0.143	-0.037	0.031	0.227	RANTES levels	0.000	0.031	20.856
rs1144348 04	G	T	G	T	0.320	0.083	0.071	0.245	RANTES levels	0.000	0.070	21.218
rs1153438 10	G	A	G	A	0.509	-0.184	0.114	0.110	RANTES levels	0.000	0.077	43.169
rs1154284 18	T	C	T	C	-0.341	0.015	0.072	0.848	RANTES levels	0.000	0.066	27.047
rs1161808 34	A	G	A	G	0.430	0.087	0.099	0.381	RANTES levels	0.000	0.081	28.240
rs1167432 28	C	T	C	T	0.472	0.034	0.064	0.545	RANTES levels	0.000	0.055	74.686
rs1253240	A	G	A	G	0.245	-0.038	0.054	0.462	RANTES levels	0.000	0.049	24.910

8 rs1478390 99	G	A	G	A	0.327	0.023	0.062	0.701	RANTES levels	0.000	0.053	37.633
rs1808413 91	T	G	T	G	0.363	0.120	0.079	0.140	RANTES levels	0.000	0.076	22.971
rs2099700	A	G	A	G	0.180	0.024	0.043	0.574	RANTES levels	0.000	0.039	21.283
rs4726575	G	T	G	T	0.167	0.019	0.025	0.446	RANTES levels	0.000	0.026	42.174
rs6453912	T	C	T	C	0.123	-0.051	0.026	0.051	RANTES levels	0.000	0.025	24.178
rs6501457	T	C	T	C	-0.126	-0.032	0.028	0.262	RANTES levels	0.000	0.027	21.665
rs6576081	C	T	C	T	0.130	0.016	0.026	0.573	RANTES levels	0.000	0.026	25.409
rs7281583 0	A	G	A	G	0.293	0.069	0.081	0.397	RANTES levels	0.000	0.060	23.542
rs9271367	A	G	A	G	0.126	-0.021	0.025	0.382	RANTES levels	0.000	0.025	25.069
rs9635812	A	G	A	G	-0.133	0.037	0.027	0.174	RANTES levels	0.000	0.028	22.732
rs9842794	T	G	T	G	0.116	-0.022	0.024	0.378	RANTES levels	0.000	0.025	21.947

rs1003543 2	A	G	A	G	0.192	0.031	0.024	0.217	Platelet-derived growth factor BB levels	0.000	0.035	30.568
rs1075549 0	G	A	G	A	0.113	0.017	0.016	0.305	Platelet-derived growth factor BB levels	0.000	0.025	20.983
rs1084750 6	T	C	T	C	0.143	-0.003	0.020	0.882	Platelet-derived growth factor BB levels	0.000	0.031	20.856
rs1144348 04	G	T	G	T	0.320	0.110	0.046	0.016	Platelet-derived growth factor BB levels	0.000	0.070	21.218
rs1153438 10	G	A	G	A	0.509	0.007	0.077	0.921	Platelet-derived growth factor BB levels	0.000	0.077	43.169
rs1154284 18	T	C	T	C	-0.341	0.170	0.046	0.000	Platelet-derived growth factor BB levels	0.000	0.066	27.047
rs1161808 34	A	G	A	G	0.430	-0.066	0.065	0.314	Platelet-derived growth factor BB levels	0.000	0.081	28.240
rs1167432 28	C	T	C	T	0.472	0.029	0.044	0.537	Platelet-derived growth factor BB levels	0.000	0.055	74.686
rs1253240	A	G	A	G	0.245	0.056	0.035	0.105	Platelet-derived growth factor BB	0.000	0.049	24.910

8									levels			
rs147									Platelet-derived			
8390	G	A	G	A	0.327	0.054	0.042	0.207	growth factor BB	0.000	0.053	37.633
99									levels			
rs180									Platelet-derived			
8413	T	G	T	G	0.363	-0.023	0.050	0.617	growth factor BB	0.000	0.076	22.971
91									levels			
rs191									Platelet-derived			
0413	T	C	T	C	0.651	0.053	0.084	0.543	growth factor BB	0.000	0.068	91.635
65									levels			
rs209									Platelet-derived			
9700	A	G	A	G	0.180	0.013	0.027	0.638	growth factor BB	0.000	0.039	21.283
									levels			
rs472									Platelet-derived			
6575	G	T	G	T	0.167	-0.001	0.016	0.972	growth factor BB	0.000	0.026	42.174
									levels			
rs645									Platelet-derived			
3912	T	C	T	C	0.123	0.006	0.017	0.705	growth factor BB	0.000	0.025	24.178
									levels			
rs650									Platelet-derived			
1457	T	C	T	C	-0.126	0.012	0.018	0.525	growth factor BB	0.000	0.027	21.665
									levels			
rs657									Platelet-derived			
6081	C	T	C	T	0.130	0.053	0.017	0.002	growth factor BB	0.000	0.026	25.409
									levels			
rs728	A	G	A	G	0.293	0.002	0.049	0.947	Platelet-derived	0.000	0.060	23.542

15830									growth factor BB levels			
rs9271367	A	G	A	G	0.126	-0.017	0.016	0.281	Platelet-derived growth factor BB levels	0.000	0.025	25.069
rs9635812	A	G	A	G	-0.133	-0.014	0.017	0.425	Platelet-derived growth factor BB levels	0.000	0.028	22.732
rs9842794	T	G	T	G	0.116	0.003	0.016	0.844	Platelet-derived growth factor BB levels	0.000	0.025	21.947
rs1003543 2	A	G	A	G	0.192	0.014	0.024	0.595	Macrophage inflammatory protein 1b levels	0.000	0.035	30.568
rs1075549 0	G	A	G	A	0.113	0.026	0.016	0.107	Macrophage inflammatory protein 1b levels	0.000	0.025	20.983
rs1084750 6	T	C	T	C	0.143	-0.002	0.020	0.907	Macrophage inflammatory protein 1b levels	0.000	0.031	20.856
rs1144348 04	G	T	G	T	0.320	0.024	0.046	0.586	Macrophage inflammatory protein 1b levels	0.000	0.070	21.218
rs1153438 10	G	A	G	A	0.509	0.021	0.076	0.777	Macrophage inflammatory protein 1b levels	0.000	0.077	43.169

rs1154284 18	T	C	T	C	-0.341	0.063	0.046	0.185	Macrophage inflammatory protein 1b levels	0.000	0.066	27.047
rs1161808 34	A	G	A	G	0.430	0.008	0.066	0.877	Macrophage inflammatory protein 1b levels	0.000	0.081	28.240
rs1167432 28	C	T	C	T	0.472	0.040	0.043	0.323	Macrophage inflammatory protein 1b levels	0.000	0.055	74.686
rs1253240 8	A	G	A	G	0.245	0.072	0.035	0.038	Macrophage inflammatory protein 1b levels	0.000	0.049	24.910
rs1478390 99	G	A	G	A	0.327	0.058	0.041	0.163	Macrophage inflammatory protein 1b levels	0.000	0.053	37.633
rs1910413 65	T	C	T	C	0.651	0.090	0.083	0.276	Macrophage inflammatory protein 1b levels	0.000	0.068	91.635
rs2099700	A	G	A	G	0.180	-0.004	0.027	0.888	Macrophage inflammatory protein 1b levels	0.000	0.039	21.283
rs4726575	G	T	G	T	0.167	0.004	0.016	0.796	Macrophage inflammatory protein 1b levels	0.000	0.026	42.174
rs6453912	T	C	T	C	0.123	-0.001	0.017	0.926	Macrophage inflammatory	0.000	0.025	24.178

									protein 1b levels			
rs6501457	T	C	T	C	-0.126	-0.007	0.018	0.716	Macrophage inflammatory protein 1b levels	0.000	0.027	21.665
rs6576081	C	T	C	T	0.130	0.012	0.017	0.463	Macrophage inflammatory protein 1b levels	0.000	0.026	25.409
rs7281583 0	A	G	A	G	0.293	0.089	0.049	0.061	Macrophage inflammatory protein 1b levels	0.000	0.060	23.542
rs9271367	A	G	A	G	0.126	-0.008	0.016	0.597	Macrophage inflammatory protein 1b levels	0.000	0.025	25.069
rs9635812	A	G	A	G	-0.133	0.011	0.017	0.536	Macrophage inflammatory protein 1b levels	0.000	0.028	22.732
rs9842794	T	G	T	G	0.116	0.000	0.016	0.977	Macrophage inflammatory protein 1b levels	0.000	0.025	21.947
rs1003543 2	A	G	A	G	0.192	0.065	0.036	0.068	Macrophage inflammatory protein 1a levels	0.000	0.035	30.568
rs1075549 0	G	A	G	A	0.113	0.056	0.025	0.022	Macrophage inflammatory protein 1a levels	0.000	0.025	20.983
rs108	T	C	T	C	0.143	-0.047	0.030	0.115	Macrophage	0.000	0.031	20.856

47506									inflammatory protein 1a levels			
rs11443480404	G	T	G	T	0.320	0.003	0.071	0.969	Macrophage inflammatory protein 1a levels	0.000	0.070	21.218
rs11534381010	G	A	G	A	0.509	0.071	0.113	0.525	Macrophage inflammatory protein 1a levels	0.000	0.077	43.169
rs11542841818	T	C	T	C	-0.341	-0.133	0.070	0.055	Macrophage inflammatory protein 1a levels	0.000	0.066	27.047
rs11618083434	A	G	A	G	0.430	-0.003	0.098	0.994	Macrophage inflammatory protein 1a levels	0.000	0.081	28.240
rs11674322828	C	T	C	T	0.472	0.007	0.063	0.929	Macrophage inflammatory protein 1a levels	0.000	0.055	74.686
rs12532408	A	G	A	G	0.245	0.000	0.054	0.990	Macrophage inflammatory protein 1a levels	0.000	0.049	24.910
rs14783909999	G	A	G	A	0.327	0.088	0.061	0.153	Macrophage inflammatory protein 1a levels	0.000	0.053	37.633
rs18084139191	T	G	T	G	0.363	-0.023	0.077	0.693	Macrophage inflammatory protein 1a levels	0.000	0.076	22.971

rs2099700	A	G	A	G	0.180	0.014	0.041	0.728	Macrophage inflammatory protein 1a levels	0.000	0.039	21.283
rs4726575	G	T	G	T	0.167	0.015	0.025	0.544	Macrophage inflammatory protein 1a levels	0.000	0.026	42.174
rs6453912	T	C	T	C	0.123	-0.020	0.026	0.448	Macrophage inflammatory protein 1a levels	0.000	0.025	24.178
rs6501457	T	C	T	C	-0.126	-0.003	0.028	0.919	Macrophage inflammatory protein 1a levels	0.000	0.027	21.665
rs6576081	C	T	C	T	0.130	0.000	0.026	0.999	Macrophage inflammatory protein 1a levels	0.000	0.026	25.409
rs7281583 0	A	G	A	G	0.293	0.101	0.080	0.208	Macrophage inflammatory protein 1a levels	0.000	0.060	23.542
rs9271367	A	G	A	G	0.126	-0.026	0.024	0.285	Macrophage inflammatory protein 1a levels	0.000	0.025	25.069
rs9635812	A	G	A	G	-0.133	-0.019	0.026	0.470	Macrophage inflammatory protein 1a levels	0.000	0.028	22.732
rs9842794	T	G	T	G	0.116	0.009	0.024	0.713	Macrophage inflammatory	0.000	0.025	21.947

									protein 1a levels			
rs1003543 2	A	G	A	G	0.192	0.021	0.035	0.548	Monokine induced by gamma interferon levels	0.000	0.035	30.568
rs1075549 0	G	A	G	A	0.113	0.020	0.024	0.396	Monokine induced by gamma interferon levels	0.000	0.025	20.983
rs1084750 6	T	C	T	C	0.143	-0.022	0.029	0.451	Monokine induced by gamma interferon levels	0.000	0.031	20.856
rs1144348 04	G	T	G	T	0.320	0.086	0.069	0.213	Monokine induced by gamma interferon levels	0.000	0.070	21.218
rs1153438 10	G	A	G	A	0.509	0.324	0.113	0.004	Monokine induced by gamma interferon levels	0.000	0.077	43.169
rs1154284 18	T	C	T	C	-0.341	-0.060	0.069	0.399	Monokine induced by gamma interferon levels	0.000	0.066	27.047
rs1161808 34	A	G	A	G	0.430	-0.004	0.098	0.985	Monokine induced by gamma interferon levels	0.000	0.081	28.240
rs1167432 28	C	T	C	T	0.472	0.014	0.063	0.849	Monokine induced by gamma interferon levels	0.000	0.055	74.686
rs125	A	G	A	G	0.245	0.002	0.051	0.955	Monokine induced	0.000	0.049	24.910

32408									by gamma interferon levels			
rs14783909	G	A	G	A	0.327	0.004	0.062	0.952	Monokine induced by gamma interferon levels	0.000	0.053	37.633
rs18084131	T	G	T	G	0.363	0.008	0.075	0.939	Monokine induced by gamma interferon levels	0.000	0.076	22.971
rs2099700	A	G	A	G	0.180	0.070	0.040	0.083	Monokine induced by gamma interferon levels	0.000	0.039	21.283
rs4726575	G	T	G	T	0.167	0.020	0.024	0.400	Monokine induced by gamma interferon levels	0.000	0.026	42.174
rs6453912	T	C	T	C	0.123	-0.012	0.026	0.637	Monokine induced by gamma interferon levels	0.000	0.025	24.178
rs6501457	T	C	T	C	-0.126	-0.008	0.027	0.763	Monokine induced by gamma interferon levels	0.000	0.027	21.665
rs6576081	C	T	C	T	0.130	-0.036	0.025	0.153	Monokine induced by gamma interferon levels	0.000	0.026	25.409
rs72815830	A	G	A	G	0.293	0.113	0.078	0.147	Monokine induced by gamma interferon levels	0.000	0.060	23.542

rs9271367	A	G	A	G	0.126	0.019	0.024	0.425	Monokine induced by gamma interferon levels	0.000	0.025	25.069
rs9635812	A	G	A	G	-0.133	-0.013	0.026	0.619	Monokine induced by gamma interferon levels	0.000	0.028	22.732
rs9842794	T	G	T	G	0.116	0.030	0.023	0.196	Monokine induced by gamma interferon levels	0.000	0.025	21.947
rs1003543 2	A	G	A	G	0.192	0.038	0.042	0.367	Macrophage colony stimulating factor levels	0.000	0.035	30.568
rs1075549 0	G	A	G	A	0.113	0.018	0.029	0.529	Macrophage colony stimulating factor levels	0.000	0.025	20.983
rs1084750 6	T	C	T	C	0.143	0.070	0.036	0.054	Macrophage colony stimulating factor levels	0.000	0.031	20.856
rs1144348 04	G	T	G	T	0.320	0.102	0.084	0.229	Macrophage colony stimulating factor levels	0.000	0.070	21.218
rs1153438 10	G	A	G	A	0.509	0.157	0.133	0.236	Macrophage colony stimulating factor levels	0.000	0.077	43.169
rs1154284	T	C	T	C	-0.341	-0.067	0.088	0.448	Macrophage colony stimulating	0.000	0.066	27.047

18									factor levels			
rs116									Macrophage			
1808	A	G	A	G	0.430	0.060	0.112	0.577	colony stimulating	0.000	0.081	28.240
34									factor levels			
rs116									Macrophage			
7432	C	T	C	T	0.472	0.075	0.077	0.340	colony stimulating	0.000	0.055	74.686
28									factor levels			
rs125									Macrophage			
3240	A	G	A	G	0.245	-0.003	0.064	0.963	colony stimulating	0.000	0.049	24.910
8									factor levels			
rs147									Macrophage			
8390	G	A	G	A	0.327	0.060	0.074	0.422	colony stimulating	0.000	0.053	37.633
99									factor levels			
rs180									Macrophage			
8413	T	G	T	G	0.363	-0.128	0.093	0.166	colony stimulating	0.000	0.076	22.971
91									factor levels			
rs209									Macrophage			
9700	A	G	A	G	0.180	-0.033	0.049	0.494	colony stimulating	0.000	0.039	21.283
									factor levels			
rs472									Macrophage			
6575	G	T	G	T	0.167	0.020	0.030	0.501	colony stimulating	0.000	0.026	42.174
									factor levels			
rs645									Macrophage			
3912	T	C	T	C	0.123	-0.031	0.031	0.331	colony stimulating	0.000	0.025	24.178
									factor levels			
rs650	T	C	T	C	-0.126	0.043	0.033	0.196	Macrophage	0.000	0.027	21.665

1457									colony stimulating factor levels			
rs6576081	C	T	C	T	0.130	0.036	0.031	0.240	Macrophage colony stimulating factor levels	0.000	0.026	25.409
rs7281583 0	A	G	A	G	0.293	-0.028	0.093	0.753	Macrophage colony stimulating factor levels	0.000	0.060	23.542
rs9271367	A	G	A	G	0.126	0.009	0.029	0.748	Macrophage colony stimulating factor levels	0.000	0.025	25.069
rs9635812	A	G	A	G	-0.133	0.016	0.032	0.610	Macrophage colony stimulating factor levels	0.000	0.028	22.732
rs9842794	T	G	T	G	0.116	-0.006	0.029	0.849	Macrophage colony stimulating factor levels	0.000	0.025	21.947
rs1003543 2	A	G	A	G	0.192	0.023	0.064	0.727	Monocyte chemoattractant protein-3 levels	0.000	0.035	30.568
rs1075549 0	G	A	G	A	0.113	-0.016	0.044	0.719	Monocyte chemoattractant protein-3 levels	0.000	0.025	20.983
rs1084750 6	T	C	T	C	0.143	-0.048	0.054	0.414	Monocyte chemoattractant protein-3 levels	0.000	0.031	20.856

rs11443480404	G	T	G	T	0.320	0.061	0.126	0.619	Monocyte chemoattractant protein-3 levels	0.000	0.070	21.218
rs11542841818	T	C	T	C	-0.341	0.256	0.128	0.048	Monocyte chemoattractant protein-3 levels	0.000	0.066	27.047
rs11674322828	C	T	C	T	0.472	0.022	0.119	0.869	Monocyte chemoattractant protein-3 levels	0.000	0.055	74.686
rs12532408	A	G	A	G	0.245	-0.056	0.095	0.553	Monocyte chemoattractant protein-3 levels	0.000	0.049	24.910
rs147839099	G	A	G	A	0.327	0.131	0.113	0.235	Monocyte chemoattractant protein-3 levels	0.000	0.053	37.633
rs18084131 91	T	G	T	G	0.363	-0.147	0.136	0.288	Monocyte chemoattractant protein-3 levels	0.000	0.076	22.971
rs2099700	A	G	A	G	0.180	0.041	0.076	0.594	Monocyte chemoattractant protein-3 levels	0.000	0.039	21.283
rs4726575	G	T	G	T	0.167	-0.060	0.045	0.183	Monocyte chemoattractant protein-3 levels	0.000	0.026	42.174
rs6453912	T	C	T	C	0.123	-0.054	0.048	0.252	Monocyte chemoattractant	0.000	0.025	24.178

									protein-3 levels			
rs6501457	T	C	T	C	-0.126	-0.018	0.049	0.726	Monocyte chemoattractant protein-3 levels	0.000	0.027	21.665
rs6576081	C	T	C	T	0.130	0.013	0.047	0.780	Monocyte chemoattractant protein-3 levels	0.000	0.026	25.409
rs7281583 0	A	G	A	G	0.293	0.173	0.133	0.199	Monocyte chemoattractant protein-3 levels	0.000	0.060	23.542
rs9271367	A	G	A	G	0.126	0.039	0.043	0.376	Monocyte chemoattractant protein-3 levels	0.000	0.025	25.069
rs9635812	A	G	A	G	-0.133	0.044	0.048	0.372	Monocyte chemoattractant protein-3 levels	0.000	0.028	22.732
rs9842794	T	G	T	G	0.116	0.011	0.044	0.811	Monocyte chemoattractant protein-3 levels	0.000	0.025	21.947
rs1003543 2	A	G	A	G	0.192	-0.037	0.024	0.114	Monocyte chemoattractant protein-1 levels	0.000	0.035	30.568
rs1075549 0	G	A	G	A	0.113	-0.003	0.016	0.828	Monocyte chemoattractant protein-1 levels	0.000	0.025	20.983
rs108	T	C	T	C	0.143	0.037	0.020	0.060	Monocyte	0.000	0.031	20.856

47506									chemoattractant protein-1 levels			
rs11443480404	G	T	G	T	0.320	-0.029	0.046	0.533	Monocyte chemoattractant protein-1 levels	0.000	0.070	21.218
rs11534381010	G	A	G	A	0.509	0.110	0.076	0.156	Monocyte chemoattractant protein-1 levels	0.000	0.077	43.169
rs11542841818	T	C	T	C	-0.341	0.053	0.046	0.215	Monocyte chemoattractant protein-1 levels	0.000	0.066	27.047
rs11618083434	A	G	A	G	0.430	0.105	0.065	0.107	Monocyte chemoattractant protein-1 levels	0.000	0.081	28.240
rs11674322828	C	T	C	T	0.472	0.011	0.044	0.784	Monocyte chemoattractant protein-1 levels	0.000	0.055	74.686
rs12532408	A	G	A	G	0.245	-0.039	0.035	0.257	Monocyte chemoattractant protein-1 levels	0.000	0.049	24.910
rs14783909999	G	A	G	A	0.327	0.022	0.041	0.588	Monocyte chemoattractant protein-1 levels	0.000	0.053	37.633
rs18084139191	T	G	T	G	0.363	-0.026	0.051	0.603	Monocyte chemoattractant protein-1 levels	0.000	0.076	22.971

rs1910413 65	T	C	T	C	0.651	0.038	0.082	0.647	Monocyte chemoattractant protein-1 levels	0.000	0.068	91.635
rs2099700	A	G	A	G	0.180	0.027	0.027	0.327	Monocyte chemoattractant protein-1 levels	0.000	0.039	21.283
rs4726575	G	T	G	T	0.167	0.010	0.016	0.552	Monocyte chemoattractant protein-1 levels	0.000	0.026	42.174
rs6453912	T	C	T	C	0.123	-0.020	0.017	0.233	Monocyte chemoattractant protein-1 levels	0.000	0.025	24.178
rs6501457	T	C	T	C	-0.126	0.004	0.019	0.831	Monocyte chemoattractant protein-1 levels	0.000	0.027	21.665
rs6576081	C	T	C	T	0.130	0.026	0.017	0.118	Monocyte chemoattractant protein-1 levels	0.000	0.026	25.409
rs7281583 0	A	G	A	G	0.293	0.105	0.050	0.032	Monocyte chemoattractant protein-1 levels	0.000	0.060	23.542
rs9271367	A	G	A	G	0.126	0.020	0.016	0.195	Monocyte chemoattractant protein-1 levels	0.000	0.025	25.069
rs9635812	A	G	A	G	-0.133	0.023	0.017	0.187	Monocyte chemoattractant	0.000	0.028	22.732

rs9842794	T	G	T	G	0.116	-0.014	0.016	0.387	protein-1 levels Monocyte chemoattractant protein-1 levels	0.000	0.025	21.947
rs1003543 2	A	G	A	G	0.192	0.032	0.024	0.186	Interleukin-12p70 levels	0.000	0.035	30.568
rs1075549 0	G	A	G	A	0.113	0.011	0.016	0.487	Interleukin-12p70 levels	0.000	0.025	20.983
rs1144348 04	G	T	G	T	0.320	0.071	0.046	0.118	Interleukin-12p70 levels	0.000	0.070	21.218
rs1153438 10	G	A	G	A	0.509	0.111	0.076	0.141	Interleukin-12p70 levels	0.000	0.077	43.169
rs1154284 18	T	C	T	C	-0.341	0.025	0.046	0.604	Interleukin-12p70 levels	0.000	0.066	27.047
rs1161808 34	A	G	A	G	0.430	-0.058	0.065	0.368	Interleukin-12p70 levels	0.000	0.081	28.240
rs1167432 28	C	T	C	T	0.472	0.001	0.044	0.978	Interleukin-12p70 levels	0.000	0.055	74.686
rs125	A	G	A	G	0.245	0.065	0.035	0.059	Interleukin-12p70	0.000	0.049	24.910

32408									levels			
rs14783909	G	A	G	A	0.327	0.065	0.041	0.115	Interleukin-12p70 levels	0.000	0.053	37.633
rs18084131	T	G	T	G	0.363	0.018	0.051	0.732	Interleukin-12p70 levels	0.000	0.076	22.971
rs19104136 5	T	C	T	C	0.651	0.129	0.083	0.122	Interleukin-12p70 levels	0.000	0.068	91.635
rs2099700	A	G	A	G	0.180	0.031	0.027	0.252	Interleukin-12p70 levels	0.000	0.039	21.283
rs4726575	G	T	G	T	0.167	0.001	0.016	0.959	Interleukin-12p70 levels	0.000	0.026	42.174
rs6453912	T	C	T	C	0.123	-0.016	0.017	0.352	Interleukin-12p70 levels	0.000	0.025	24.178
rs6501457	T	C	T	C	-0.126	0.015	0.019	0.412	Interleukin-12p70 levels	0.000	0.027	21.665
rs6576081	C	T	C	T	0.130	0.042	0.017	0.015	Interleukin-12p70 levels	0.000	0.026	25.409
rs72815830	A	G	A	G	0.293	0.053	0.049	0.251	Interleukin-12p70 levels	0.000	0.060	23.542
rs9271367	A	G	A	G	0.126	0.004	0.016	0.804	Interleukin-12p70 levels	0.000	0.025	25.069

rs9635812	A	G	A	G	-0.133	0.009	0.017	0.596	Interleukin-12p70 levels	0.000	0.028	22.732
rs9842794	T	G	T	G	0.116	0.012	0.016	0.450	Interleukin-12p70 levels	0.000	0.025	21.947
rs1003543 2	A	G	A	G	0.192	0.030	0.035	0.384	Interferon gamma-induced protein 10 levels	0.000	0.035	30.568
rs1075549 0	G	A	G	A	0.113	0.039	0.024	0.105	Interferon gamma-induced protein 10 levels	0.000	0.025	20.983
rs1084750 6	T	C	T	C	0.143	-0.036	0.029	0.221	Interferon gamma-induced protein 10 levels	0.000	0.031	20.856
rs1144348 04	G	T	G	T	0.320	0.024	0.069	0.725	Interferon gamma-induced protein 10 levels	0.000	0.070	21.218
rs1153438 10	G	A	G	A	0.509	0.266	0.113	0.017	Interferon gamma-induced protein 10 levels	0.000	0.077	43.169
rs1154284 18	T	C	T	C	-0.341	0.004	0.069	0.900	Interferon gamma-induced protein 10 levels	0.000	0.066	27.047
rs1161808 34	A	G	A	G	0.430	-0.062	0.101	0.540	Interferon gamma-induced protein 10 levels	0.000	0.081	28.240
rs116	C	T	C	T	0.472	-0.043	0.063	0.514	Interferon	0.000	0.055	74.686

743228									gamma-induced protein 10 levels			
rs1253240 8	A	G	A	G	0.245	0.075	0.052	0.146	Interferon gamma-induced protein 10 levels	0.000	0.049	24.910
rs1478390 99	G	A	G	A	0.327	0.005	0.061	0.944	Interferon gamma-induced protein 10 levels	0.000	0.053	37.633
rs1808413 91	T	G	T	G	0.363	0.012	0.074	0.867	Interferon gamma-induced protein 10 levels	0.000	0.076	22.971
rs2099700	A	G	A	G	0.180	0.105	0.041	0.010	Interferon gamma-induced protein 10 levels	0.000	0.039	21.283
rs4726575	G	T	G	T	0.167	-0.004	0.024	0.880	Interferon gamma-induced protein 10 levels	0.000	0.026	42.174
rs6453912	T	C	T	C	0.123	0.020	0.025	0.429	Interferon gamma-induced protein 10 levels	0.000	0.025	24.178
rs6501457	T	C	T	C	-0.126	-0.032	0.027	0.249	Interferon gamma-induced protein 10 levels	0.000	0.027	21.665
rs6576081	C	T	C	T	0.130	-0.073	0.025	0.004	Interferon gamma-induced protein 10 levels	0.000	0.026	25.409

rs7281583 0	A	G	A	G	0.293	0.051	0.078	0.513	Interferon gamma-induced protein 10 levels	0.000	0.060	23.542
rs9271367	A	G	A	G	0.126	-0.034	0.024	0.150	Interferon gamma-induced protein 10 levels	0.000	0.025	25.069
rs9635812	A	G	A	G	-0.133	-0.015	0.026	0.578	Interferon gamma-induced protein 10 levels	0.000	0.028	22.732
rs9842794	T	G	T	G	0.116	0.028	0.023	0.241	Interferon gamma-induced protein 10 levels	0.000	0.025	21.947
rs1003543 2	A	G	A	G	0.192	0.026	0.035	0.452	Interleukin-18 levels	0.000	0.035	30.568
rs1075549 0	G	A	G	A	0.113	0.065	0.024	0.007	Interleukin-18 levels	0.000	0.025	20.983
rs1084750 6	T	C	T	C	0.143	-0.017	0.030	0.555	Interleukin-18 levels	0.000	0.031	20.856
rs1144348 04	G	T	G	T	0.320	-0.023	0.069	0.740	Interleukin-18 levels	0.000	0.070	21.218
rs1153438	G	A	G	A	0.509	0.088	0.112	0.418	Interleukin-18 levels	0.000	0.077	43.169

10 rs1154284 18	T	C	T	C	-0.341	0.048	0.069	0.491	Interleukin-18 levels	0.000	0.066	27.047
rs1161808 34	A	G	A	G	0.430	0.008	0.098	0.938	Interleukin-18 levels	0.000	0.081	28.240
rs1167432 28	C	T	C	T	0.472	0.077	0.063	0.229	Interleukin-18 levels	0.000	0.055	74.686
rs1253240 8	A	G	A	G	0.245	0.019	0.052	0.707	Interleukin-18 levels	0.000	0.049	24.910
rs1478390 99	G	A	G	A	0.327	0.026	0.062	0.685	Interleukin-18 levels	0.000	0.053	37.633
rs1808413 91	T	G	T	G	0.363	0.054	0.075	0.481	Interleukin-18 levels	0.000	0.076	22.971
rs2099700	A	G	A	G	0.180	-0.046	0.041	0.257	Interleukin-18 levels	0.000	0.039	21.283
rs4726575	G	T	G	T	0.167	0.016	0.025	0.522	Interleukin-18 levels	0.000	0.026	42.174
rs6453912	T	C	T	C	0.123	-0.011	0.026	0.680	Interleukin-18 levels	0.000	0.025	24.178
rs650	T	C	T	C	-0.126	-0.016	0.027	0.568	Interleukin-18	0.000	0.027	21.665

1457									levels			
rs6576081	C	T	C	T	0.130	-0.011	0.025	0.642	Interleukin-18 levels	0.000	0.026	25.409
rs7281583 0	A	G	A	G	0.293	0.149	0.077	0.051	Interleukin-18 levels	0.000	0.060	23.542
rs9271367	A	G	A	G	0.126	0.016	0.024	0.509	Interleukin-18 levels	0.000	0.025	25.069
rs9635812	A	G	A	G	-0.133	0.020	0.026	0.431	Interleukin-18 levels	0.000	0.028	22.732
rs9842794	T	G	T	G	0.116	-0.021	0.024	0.377	Interleukin-18 levels	0.000	0.025	21.947
rs1003543 2	A	G	A	G	0.192	0.014	0.025	0.601	Interleukin-17 levels	0.000	0.035	30.568
rs1075549 0	G	A	G	A	0.113	0.020	0.017	0.236	Interleukin-17 levels	0.000	0.025	20.983
rs1084750 6	T	C	T	C	0.143	0.006	0.020	0.779	Interleukin-17 levels	0.000	0.031	20.856
rs1144348 04	G	T	G	T	0.320	0.001	0.047	0.969	Interleukin-17 levels	0.000	0.070	21.218
rs1153438	G	A	G	A	0.509	0.118	0.079	0.129	Interleukin-17 levels	0.000	0.077	43.169

10 rs1154284 18	T	C	T	C	-0.341	0.045	0.047	0.371	Interleukin-17 levels	0.000	0.066	27.047
rs1161808 34	A	G	A	G	0.430	0.048	0.067	0.471	Interleukin-17 levels	0.000	0.081	28.240
rs1167432 28	C	T	C	T	0.472	-0.001	0.045	0.978	Interleukin-17 levels	0.000	0.055	74.686
rs1253240 8	A	G	A	G	0.245	0.006	0.036	0.873	Interleukin-17 levels	0.000	0.049	24.910
rs1478390 99	G	A	G	A	0.327	0.041	0.042	0.344	Interleukin-17 levels	0.000	0.053	37.633
rs1808413 91	T	G	T	G	0.363	-0.022	0.052	0.633	Interleukin-17 levels	0.000	0.076	22.971
rs1910413 65	T	C	T	C	0.651	0.017	0.085	0.840	Interleukin-17 levels	0.000	0.068	91.635
rs2099700	A	G	A	G	0.180	-0.006	0.028	0.821	Interleukin-17 levels	0.000	0.039	21.283
rs4726575	G	T	G	T	0.167	0.001	0.017	0.948	Interleukin-17 levels	0.000	0.026	42.174

rs6453912	T	C	T	C	0.123	-0.024	0.017	0.169	Interleukin-17 levels	0.000	0.025	24.178
rs6501457	T	C	T	C	-0.126	0.005	0.019	0.803	Interleukin-17 levels	0.000	0.027	21.665
rs6576081	C	T	C	T	0.130	0.036	0.018	0.041	Interleukin-17 levels	0.000	0.026	25.409
rs7281583 0	A	G	A	G	0.293	0.061	0.051	0.238	Interleukin-17 levels	0.000	0.060	23.542
rs9271367	A	G	A	G	0.126	-0.005	0.016	0.764	Interleukin-17 levels	0.000	0.025	25.069
rs9635812	A	G	A	G	-0.133	-0.008	0.018	0.677	Interleukin-17 levels	0.000	0.028	22.732
rs9842794	T	G	T	G	0.116	0.009	0.016	0.576	Interleukin-17 levels	0.000	0.025	21.947
rs1003543 2	A	G	A	G	0.192	0.085	0.035	0.017	Interleukin-13 levels	0.000	0.035	30.568
rs1075549 0	G	A	G	A	0.113	0.045	0.024	0.065	Interleukin-13 levels	0.000	0.025	20.983
rs1084750 6	T	C	T	C	0.143	-0.045	0.030	0.139	Interleukin-13 levels	0.000	0.031	20.856
rs1144348	G	T	G	T	0.320	0.112	0.071	0.116	Interleukin-13 levels	0.000	0.070	21.218

04												
rs115 3438 10	G	A	G	A	0.509	0.092	0.112	0.403	Interleukin-13 levels	0.000	0.077	43.169
rs115 4284 18	T	C	T	C	-0.341	-0.062	0.070	0.382	Interleukin-13 levels	0.000	0.066	27.047
rs116 1808 34	A	G	A	G	0.430	0.036	0.097	0.696	Interleukin-13 levels	0.000	0.081	28.240
rs116 7432 28	C	T	C	T	0.472	-0.026	0.064	0.686	Interleukin-13 levels	0.000	0.055	74.686
rs125 3240 8	A	G	A	G	0.245	0.037	0.053	0.472	Interleukin-13 levels	0.000	0.049	24.910
rs147 8390 99	G	A	G	A	0.327	0.125	0.062	0.044	Interleukin-13 levels	0.000	0.053	37.633
rs180 8413 91	T	G	T	G	0.363	-0.016	0.076	0.800	Interleukin-13 levels	0.000	0.076	22.971
rs209 9700	A	G	A	G	0.180	0.015	0.041	0.710	Interleukin-13 levels	0.000	0.039	21.283
rs472 6575	G	T	G	T	0.167	-0.001	0.025	0.985	Interleukin-13 levels	0.000	0.026	42.174

rs6453912	T	C	T	C	0.123	-0.007	0.026	0.797	Interleukin-13 levels	0.000	0.025	24.178
rs6501457	T	C	T	C	-0.126	0.015	0.028	0.591	Interleukin-13 levels	0.000	0.027	21.665
rs6576081	C	T	C	T	0.130	0.028	0.026	0.274	Interleukin-13 levels	0.000	0.026	25.409
rs7281583 0	A	G	A	G	0.293	0.088	0.080	0.264	Interleukin-13 levels	0.000	0.060	23.542
rs9271367	A	G	A	G	0.126	-0.010	0.024	0.674	Interleukin-13 levels	0.000	0.025	25.069
rs9635812	A	G	A	G	-0.133	0.005	0.026	0.840	Interleukin-13 levels	0.000	0.028	22.732
rs9842794	T	G	T	G	0.116	0.014	0.024	0.556	Interleukin-13 levels	0.000	0.025	21.947
rs1003543 2	A	G	A	G	0.192	0.039	0.025	0.126	Interleukin-10 levels	0.000	0.035	30.568
rs1075549 0	G	A	G	A	0.113	0.006	0.017	0.736	Interleukin-10 levels	0.000	0.025	20.983
rs1084750 6	T	C	T	C	0.143	-0.004	0.020	0.842	Interleukin-10 levels	0.000	0.031	20.856
rs1144348	G	T	G	T	0.320	0.056	0.047	0.238	Interleukin-10 levels	0.000	0.070	21.218

04												
rs115												
3438	G	A	G	A	0.509	0.158	0.077	0.039	Interleukin-10	0.000	0.077	43.169
10									levels			
rs115												
4284	T	C	T	C	-0.341	0.036	0.047	0.460	Interleukin-10	0.000	0.066	27.047
18									levels			
rs116												
1808	A	G	A	G	0.430	-0.006	0.068	0.917	Interleukin-10	0.000	0.081	28.240
34									levels			
rs116												
7432	C	T	C	T	0.472	0.021	0.045	0.654	Interleukin-10	0.000	0.055	74.686
28									levels			
rs125												
3240	A	G	A	G	0.245	0.047	0.036	0.190	Interleukin-10	0.000	0.049	24.910
8									levels			
rs147												
8390	G	A	G	A	0.327	0.035	0.042	0.407	Interleukin-10	0.000	0.053	37.633
99									levels			
rs180												
8413	T	G	T	G	0.363	0.012	0.052	0.826	Interleukin-10	0.000	0.076	22.971
91									levels			
rs191												
0413	T	C	T	C	0.651	0.072	0.086	0.401	Interleukin-10	0.000	0.068	91.635
65									levels			
rs209	A	G	A	G	0.180	0.059	0.028	0.039	Interleukin-10	0.000	0.039	21.283

9700									levels			
rs4726575	G	T	G	T	0.167	-0.006	0.017	0.730	Interleukin-10 levels	0.000	0.026	42.174
rs6453912	T	C	T	C	0.123	0.005	0.018	0.767	Interleukin-10 levels	0.000	0.025	24.178
rs6501457	T	C	T	C	-0.126	0.007	0.019	0.704	Interleukin-10 levels	0.000	0.027	21.665
rs6576081	C	T	C	T	0.130	0.020	0.018	0.258	Interleukin-10 levels	0.000	0.026	25.409
rs7281583 0	A	G	A	G	0.293	0.026	0.051	0.540	Interleukin-10 levels	0.000	0.060	23.542
rs9271367	A	G	A	G	0.126	-0.015	0.016	0.356	Interleukin-10 levels	0.000	0.025	25.069
rs9635812	A	G	A	G	-0.133	-0.002	0.018	0.906	Interleukin-10 levels	0.000	0.028	22.732
rs9842794	T	G	T	G	0.116	0.014	0.016	0.370	Interleukin-10 levels	0.000	0.025	21.947
rs1003543 2	A	G	A	G	0.192	0.021	0.036	0.556	Interleukin-8 levels	0.000	0.035	30.568
rs1075549 0	G	A	G	A	0.113	0.020	0.024	0.403	Interleukin-8 levels	0.000	0.025	20.983
rs1084750	T	C	T	C	0.143	-0.031	0.030	0.297	Interleukin-8 levels	0.000	0.031	20.856

6												
rs1144348404	G	T	G	T	0.320	0.119	0.071	0.096	Interleukin-8 levels	0.000	0.070	21.218
rs1153438410	G	A	G	A	0.509	0.183	0.115	0.111	Interleukin-8 levels	0.000	0.077	43.169
rs1154284118	T	C	T	C	-0.341	0.031	0.069	0.659	Interleukin-8 levels	0.000	0.066	27.047
rs1161808034	A	G	A	G	0.430	0.013	0.098	0.886	Interleukin-8 levels	0.000	0.081	28.240
rs1167432028	C	T	C	T	0.472	0.062	0.064	0.338	Interleukin-8 levels	0.000	0.055	74.686
rs1253240 8	A	G	A	G	0.245	-0.028	0.053	0.609	Interleukin-8 levels	0.000	0.049	24.910
rs1478390 99	G	A	G	A	0.327	0.198	0.063	0.002	Interleukin-8 levels	0.000	0.053	37.633
rs1808413 91	T	G	T	G	0.363	-0.007	0.077	0.897	Interleukin-8 levels	0.000	0.076	22.971
rs209	A	G	A	G	0.180	0.037	0.042	0.375	Interleukin-8	0.000	0.039	21.283

9700									levels			
rs4726575	G	T	G	T	0.167	0.029	0.025	0.243	Interleukin-8 levels	0.000	0.026	42.174
rs6453912	T	C	T	C	0.123	-0.028	0.026	0.284	Interleukin-8 levels	0.000	0.025	24.178
rs6501457	T	C	T	C	-0.126	-0.049	0.028	0.082	Interleukin-8 levels	0.000	0.027	21.665
rs6576081	C	T	C	T	0.130	0.013	0.026	0.617	Interleukin-8 levels	0.000	0.026	25.409
rs72815830	A	G	A	G	0.293	0.113	0.080	0.164	Interleukin-8 levels	0.000	0.060	23.542
rs9271367	A	G	A	G	0.126	-0.021	0.024	0.381	Interleukin-8 levels	0.000	0.025	25.069
rs9635812	A	G	A	G	-0.133	-0.014	0.026	0.599	Interleukin-8 levels	0.000	0.028	22.732
rs9842794	T	G	T	G	0.116	-0.002	0.024	0.941	Interleukin-8 levels	0.000	0.025	21.947
rs1003543 2	A	G	A	G	0.192	-0.023	0.024	0.324	Interleukin-6 levels	0.000	0.035	30.568
rs1075549 0	G	A	G	A	0.113	0.008	0.016	0.644	Interleukin-6 levels	0.000	0.025	20.983
rs1084750	T	C	T	C	0.143	-0.020	0.020	0.336	Interleukin-6 levels	0.000	0.031	20.856

6												
rs1144348 04	G	T	G	T	0.320	0.070	0.046	0.129	Interleukin-6 levels	0.000	0.070	21.218
rs1153438 10	G	A	G	A	0.509	0.134	0.076	0.079	Interleukin-6 levels	0.000	0.077	43.169
rs1154284 18	T	C	T	C	-0.341	0.026	0.046	0.584	Interleukin-6 levels	0.000	0.066	27.047
rs1161808 34	A	G	A	G	0.430	0.022	0.065	0.721	Interleukin-6 levels	0.000	0.081	28.240
rs1167432 28	C	T	C	T	0.472	0.009	0.044	0.808	Interleukin-6 levels	0.000	0.055	74.686
rs1253240 8	A	G	A	G	0.245	0.040	0.035	0.249	Interleukin-6 levels	0.000	0.049	24.910
rs1478390 99	G	A	G	A	0.327	0.022	0.042	0.630	Interleukin-6 levels	0.000	0.053	37.633
rs1808413 91	T	G	T	G	0.363	0.052	0.051	0.320	Interleukin-6 levels	0.000	0.076	22.971
rs209	A	G	A	G	0.180	0.010	0.027	0.712	Interleukin-6	0.000	0.039	21.283

9700									levels			
rs4726575	G	T	G	T	0.167	0.001	0.016	0.933	Interleukin-6 levels	0.000	0.026	42.174
rs6453912	T	C	T	C	0.123	-0.019	0.017	0.266	Interleukin-6 levels	0.000	0.025	24.178
rs6501457	T	C	T	C	-0.126	0.005	0.019	0.770	Interleukin-6 levels	0.000	0.027	21.665
rs6576081	C	T	C	T	0.130	0.012	0.017	0.476	Interleukin-6 levels	0.000	0.026	25.409
rs7281583 0	A	G	A	G	0.293	0.094	0.050	0.052	Interleukin-6 levels	0.000	0.060	23.542
rs9271367	A	G	A	G	0.126	-0.001	0.016	0.927	Interleukin-6 levels	0.000	0.025	25.069
rs9635812	A	G	A	G	-0.133	-0.010	0.017	0.575	Interleukin-6 levels	0.000	0.028	22.732
rs9842794	T	G	T	G	0.116	0.006	0.016	0.683	Interleukin-6 levels	0.000	0.025	21.947
rs1003543 2	A	G	A	G	0.192	-0.003	0.035	0.940	Interleukin-1-receptor antagonist levels	0.000	0.035	30.568
rs1075549 0	G	A	G	A	0.113	-0.008	0.024	0.743	Interleukin-1-receptor antagonist levels	0.000	0.025	20.983
rs1084750	T	C	T	C	0.143	-0.064	0.030	0.031	Interleukin-1-receptor antagonist	0.000	0.031	20.856

6									levels			
rs114									Interleukin-1-rece			
4348	G	T	G	T	0.320	0.055	0.070	0.443	ptor antagonist	0.000	0.070	21.218
04									levels			
rs115									Interleukin-1-rece			
3438	G	A	G	A	0.509	0.136	0.112	0.223	ptor antagonist	0.000	0.077	43.169
10									levels			
rs115									Interleukin-1-rece			
4284	T	C	T	C	-0.341	0.008	0.070	0.916	ptor antagonist	0.000	0.066	27.047
18									levels			
rs116									Interleukin-1-rece			
1808	A	G	A	G	0.430	0.028	0.098	0.787	ptor antagonist	0.000	0.081	28.240
34									levels			
rs116									Interleukin-1-rece			
7432	C	T	C	T	0.472	-0.032	0.063	0.596	ptor antagonist	0.000	0.055	74.686
28									levels			
rs125									Interleukin-1-rece			
3240	A	G	A	G	0.245	-0.001	0.052	0.999	ptor antagonist	0.000	0.049	24.910
8									levels			
rs147									Interleukin-1-rece			
8390	G	A	G	A	0.327	0.086	0.062	0.165	ptor antagonist	0.000	0.053	37.633
99									levels			
rs180									Interleukin-1-rece			
8413	T	G	T	G	0.363	-0.037	0.075	0.588	ptor antagonist	0.000	0.076	22.971
91									levels			
rs209	A	G	A	G	0.180	0.010	0.041	0.803	Interleukin-1-rece	0.000	0.039	21.283

9700									ptor antagonist levels			
rs4726575	G	T	G	T	0.167	0.017	0.025	0.482	Interleukin-1-receptor antagonist levels	0.000	0.026	42.174
rs6453912	T	C	T	C	0.123	-0.016	0.026	0.536	Interleukin-1-receptor antagonist levels	0.000	0.025	24.178
rs6501457	T	C	T	C	-0.126	-0.038	0.027	0.170	Interleukin-1-receptor antagonist levels	0.000	0.027	21.665
rs6576081	C	T	C	T	0.130	0.002	0.025	0.942	Interleukin-1-receptor antagonist levels	0.000	0.026	25.409
rs7281583 0	A	G	A	G	0.293	0.061	0.078	0.405	Interleukin-1-receptor antagonist levels	0.000	0.060	23.542
rs9271367	A	G	A	G	0.126	-0.021	0.024	0.388	Interleukin-1-receptor antagonist levels	0.000	0.025	25.069
rs9635812	A	G	A	G	-0.133	0.017	0.026	0.500	Interleukin-1-receptor antagonist levels	0.000	0.028	22.732
rs9842794	T	G	T	G	0.116	-0.006	0.024	0.796	Interleukin-1-receptor antagonist levels	0.000	0.025	21.947

rs1003543 2	A	G	A	G	0.192	0.015	0.028	0.946	Interleukin-1-beta levels	0.000	0.035	30.568
rs1075549 0	G	A	G	A	0.113	0.021	0.019	0.373	Interleukin-1-beta levels	0.000	0.025	20.983
rs1084750 6	T	C	T	C	0.143	-0.005	0.023	0.047	Interleukin-1-beta levels	0.000	0.031	20.856
rs1144348 04	G	T	G	T	0.320	0.041	0.055	0.889	Interleukin-1-beta levels	0.000	0.070	21.218
rs1153438 10	G	A	G	A	0.509	0.073	0.089	0.960	Interleukin-1-beta levels	0.000	0.077	43.169
rs1154284 18	T	C	T	C	-0.341	-0.030	0.055	0.903	Interleukin-1-beta levels	0.000	0.066	27.047
rs1161808 34	A	G	A	G	0.430	0.043	0.075	0.707	Interleukin-1-beta levels	0.000	0.081	28.240
rs1167432 28	C	T	C	T	0.472	0.048	0.050	0.711	Interleukin-1-beta levels	0.000	0.055	74.686
rs1253240	A	G	A	G	0.245	-0.033	0.042	0.340	Interleukin-1-beta levels	0.000	0.049	24.910

8 rs1478390 99	G	A	G	A	0.327	0.092	0.049	0.078	Interleukin-1-beta levels	0.000	0.053	37.633
rs1808413 91	T	G	T	G	0.363	-0.026	0.060	0.581	Interleukin-1-beta levels	0.000	0.076	22.971
rs1910413 65	T	C	T	C	0.651	0.208	0.126	0.108	Interleukin-1-beta levels	0.000	0.068	91.635
rs2099700	A	G	A	G	0.180	-0.011	0.032	0.908	Interleukin-1-beta levels	0.000	0.039	21.283
rs4726575	G	T	G	T	0.167	0.019	0.019	0.461	Interleukin-1-beta levels	0.000	0.026	42.174
rs6453912	T	C	T	C	0.123	-0.027	0.020	0.384	Interleukin-1-beta levels	0.000	0.025	24.178
rs6501457	T	C	T	C	-0.126	0.002	0.022	0.336	Interleukin-1-beta levels	0.000	0.027	21.665
rs6576081	C	T	C	T	0.130	0.029	0.020	0.378	Interleukin-1-beta levels	0.000	0.026	25.409
rs7281583 0	A	G	A	G	0.293	0.051	0.062	0.161	Interleukin-1-beta levels	0.000	0.060	23.542
rs9271367	A	G	A	G	0.126	-0.005	0.019	0.528	Interleukin-1-beta levels	0.000	0.025	25.069
rs963	A	G	A	G	-0.133	0.002	0.021	0.746	Interleukin-1-beta	0.000	0.028	22.732

5812									levels			
rs9842794	T	G	T	G	0.116	0.015	0.019	0.219	Interleukin-1-beta levels	0.000	0.025	21.947
rs1003543 2	A	G	A	G	0.192	-0.001	0.024	0.915	Hepatocyte growth factor levels	0.000	0.035	30.568
rs1075549 0	G	A	G	A	0.113	-0.001	0.016	0.940	Hepatocyte growth factor levels	0.000	0.025	20.983
rs1084750 6	T	C	T	C	0.143	0.008	0.020	0.681	Hepatocyte growth factor levels	0.000	0.031	20.856
rs1144348 04	G	T	G	T	0.320	0.037	0.046	0.419	Hepatocyte growth factor levels	0.000	0.070	21.218
rs1153438 10	G	A	G	A	0.509	0.009	0.076	0.908	Hepatocyte growth factor levels	0.000	0.077	43.169
rs1161808 34	A	G	A	G	0.430	0.010	0.066	0.867	Hepatocyte growth factor levels	0.000	0.081	28.240
rs1167432 28	C	T	C	T	0.472	-0.014	0.044	0.747	Hepatocyte growth factor levels	0.000	0.055	74.686
rs1253240	A	G	A	G	0.245	0.016	0.035	0.667	Hepatocyte growth factor	0.000	0.049	24.910

8									levels			
rs147 8390 99	G	A	G	A	0.327	0.004	0.042	0.932	Hepatocyte growth factor levels	0.000	0.053	37.633
rs180 8413 91	T	G	T	G	0.363	-0.026	0.050	0.593	Hepatocyte growth factor levels	0.000	0.076	22.971
rs191 0413 65	T	C	T	C	0.651	-0.050	0.084	0.547	Hepatocyte growth factor levels	0.000	0.068	91.635
rs209 9700	A	G	A	G	0.180	0.042	0.027	0.116	Hepatocyte growth factor levels	0.000	0.039	21.283
rs472 6575	G	T	G	T	0.167	0.002	0.016	0.923	Hepatocyte growth factor levels	0.000	0.026	42.174
rs645 3912	T	C	T	C	0.123	0.000	0.017	0.988	Hepatocyte growth factor levels	0.000	0.025	24.178
rs650 1457	T	C	T	C	-0.126	0.018	0.019	0.332	Hepatocyte growth factor levels	0.000	0.027	21.665
rs657 6081	C	T	C	T	0.130	-0.017	0.017	0.330	Hepatocyte growth factor levels	0.000	0.026	25.409
rs728	A	G	A	G	0.293	0.088	0.050	0.075	Hepatocyte	0.000	0.060	23.542

15830									growth factor levels			
rs9271367	A	G	A	G	0.126	0.015	0.016	0.351	Hepatocyte growth factor levels	0.000	0.025	25.069
rs9635812	A	G	A	G	-0.133	0.007	0.017	0.681	Hepatocyte growth factor levels	0.000	0.028	22.732
rs9842794	T	G	T	G	0.116	-0.019	0.016	0.230	Hepatocyte growth factor levels	0.000	0.025	21.947
rs1003543 2	A	G	A	G	0.192	0.057	0.035	0.108	Interleukin-9 levels	0.000	0.035	30.568
rs1075549 0	G	A	G	A	0.113	0.031	0.024	0.203	Interleukin-9 levels	0.000	0.025	20.983
rs1084750 6	T	C	T	C	0.143	-0.069	0.030	0.020	Interleukin-9 levels	0.000	0.031	20.856
rs1144348 04	G	T	G	T	0.320	0.051	0.070	0.480	Interleukin-9 levels	0.000	0.070	21.218
rs1153438 10	G	A	G	A	0.509	0.107	0.112	0.344	Interleukin-9 levels	0.000	0.077	43.169

rs1154284 18	T	C	T	C	-0.341	-0.033	0.070	0.643	Interleukin-9 levels	0.000	0.066	27.047
rs1161808 34	A	G	A	G	0.430	-0.046	0.098	0.635	Interleukin-9 levels	0.000	0.081	28.240
rs1167432 28	C	T	C	T	0.472	-0.010	0.063	0.870	Interleukin-9 levels	0.000	0.055	74.686
rs1253240 8	A	G	A	G	0.245	-0.054	0.052	0.312	Interleukin-9 levels	0.000	0.049	24.910
rs1478390 99	G	A	G	A	0.327	0.065	0.060	0.272	Interleukin-9 levels	0.000	0.053	37.633
rs1808413 91	T	G	T	G	0.363	0.071	0.075	0.359	Interleukin-9 levels	0.000	0.076	22.971
rs2099700	A	G	A	G	0.180	0.045	0.041	0.265	Interleukin-9 levels	0.000	0.039	21.283
rs4726575	G	T	G	T	0.167	-0.019	0.025	0.443	Interleukin-9 levels	0.000	0.026	42.174
rs6453912	T	C	T	C	0.123	-0.039	0.026	0.129	Interleukin-9 levels	0.000	0.025	24.178
rs6501457	T	C	T	C	-0.126	-0.002	0.027	0.940	Interleukin-9 levels	0.000	0.027	21.665

rs6576081	C	T	C	T	0.130	0.026	0.025	0.294	Interleukin-9 levels	0.000	0.026	25.409
rs7281583 0	A	G	A	G	0.293	-0.033	0.078	0.708	Interleukin-9 levels	0.000	0.060	23.542
rs9271367	A	G	A	G	0.126	0.005	0.024	0.824	Interleukin-9 levels	0.000	0.025	25.069
rs9635812	A	G	A	G	-0.133	0.001	0.026	0.981	Interleukin-9 levels	0.000	0.028	22.732
rs9842794	T	G	T	G	0.116	0.022	0.024	0.354	Interleukin-9 levels	0.000	0.025	21.947
rs1003543 2	A	G	A	G	0.192	0.055	0.036	0.125	Interleukin-7 levels	0.000	0.035	30.568
rs1075549 0	G	A	G	A	0.113	0.036	0.025	0.147	Interleukin-7 levels	0.000	0.025	20.983
rs1084750 6	T	C	T	C	0.143	-0.014	0.030	0.658	Interleukin-7 levels	0.000	0.031	20.856
rs1144348 04	G	T	G	T	0.320	0.102	0.073	0.166	Interleukin-7 levels	0.000	0.070	21.218
rs1153438 10	G	A	G	A	0.509	0.047	0.113	0.678	Interleukin-7 levels	0.000	0.077	43.169

rs1154284 18	T	C	T	C	-0.341	-0.020	0.071	0.777	Interleukin-7 levels	0.000	0.066	27.047
rs1161808 34	A	G	A	G	0.430	0.073	0.098	0.452	Interleukin-7 levels	0.000	0.081	28.240
rs1167432 28	C	T	C	T	0.472	-0.029	0.065	0.640	Interleukin-7 levels	0.000	0.055	74.686
rs1253240 8	A	G	A	G	0.245	0.011	0.054	0.824	Interleukin-7 levels	0.000	0.049	24.910
rs1478390 99	G	A	G	A	0.327	0.082	0.064	0.204	Interleukin-7 levels	0.000	0.053	37.633
rs1808413 91	T	G	T	G	0.363	0.031	0.077	0.712	Interleukin-7 levels	0.000	0.076	22.971
rs2099700	A	G	A	G	0.180	0.013	0.042	0.746	Interleukin-7 levels	0.000	0.039	21.283
rs4726575	G	T	G	T	0.167	-0.026	0.025	0.318	Interleukin-7 levels	0.000	0.026	42.174
rs6453912	T	C	T	C	0.123	0.013	0.026	0.607	Interleukin-7 levels	0.000	0.025	24.178
rs6501457	T	C	T	C	-0.126	-0.018	0.028	0.530	Interleukin-7 levels	0.000	0.027	21.665

rs6576081	C	T	C	T	0.130	0.022	0.026	0.403	Interleukin-7 levels	0.000	0.026	25.409
rs7281583 0	A	G	A	G	0.293	0.113	0.081	0.163	Interleukin-7 levels	0.000	0.060	23.542
rs9271367	A	G	A	G	0.126	-0.008	0.024	0.741	Interleukin-7 levels	0.000	0.025	25.069
rs9635812	A	G	A	G	-0.133	0.010	0.027	0.701	Interleukin-7 levels	0.000	0.028	22.732
rs9842794	T	G	T	G	0.116	0.028	0.024	0.250	Interleukin-7 levels	0.000	0.025	21.947
rs1003543 2	A	G	A	G	0.192	-0.030	0.036	0.407	Interleukin-5 levels	0.000	0.035	30.568
rs1075549 0	G	A	G	A	0.113	0.046	0.025	0.067	Interleukin-5 levels	0.000	0.025	20.983
rs1084750 6	T	C	T	C	0.143	-0.022	0.031	0.482	Interleukin-5 levels	0.000	0.031	20.856
rs1144348 04	G	T	G	T	0.320	-0.021	0.073	0.752	Interleukin-5 levels	0.000	0.070	21.218
rs1153438 10	G	A	G	A	0.509	0.139	0.120	0.246	Interleukin-5 levels	0.000	0.077	43.169

rs1154284 18	T	C	T	C	-0.341	-0.004	0.071	0.977	Interleukin-5 levels	0.000	0.066	27.047
rs1161808 34	A	G	A	G	0.430	0.023	0.099	0.807	Interleukin-5 levels	0.000	0.081	28.240
rs1167432 28	C	T	C	T	0.472	0.059	0.066	0.369	Interleukin-5 levels	0.000	0.055	74.686
rs1253240 8	A	G	A	G	0.245	-0.008	0.054	0.898	Interleukin-5 levels	0.000	0.049	24.910
rs1478390 99	G	A	G	A	0.327	0.070	0.065	0.303	Interleukin-5 levels	0.000	0.053	37.633
rs1808413 91	T	G	T	G	0.363	0.041	0.078	0.627	Interleukin-5 levels	0.000	0.076	22.971
rs1910413 65	T	C	T	C	0.651	0.112	0.115	0.340	Interleukin-5 levels	0.000	0.068	91.635
rs2099700	A	G	A	G	0.180	0.008	0.042	0.849	Interleukin-5 levels	0.000	0.039	21.283
rs4726575	G	T	G	T	0.167	-0.015	0.025	0.559	Interleukin-5 levels	0.000	0.026	42.174
rs645	T	C	T	C	0.123	0.019	0.027	0.479	Interleukin-5	0.000	0.025	24.178

3912									levels			
rs650 1457	T	C	T	C	-0.126	-0.001	0.029	0.968	Interleukin-5 levels	0.000	0.027	21.665
rs657 6081	C	T	C	T	0.130	0.035	0.027	0.192	Interleukin-5 levels	0.000	0.026	25.409
rs728 1583 0	A	G	A	G	0.293	0.082	0.083	0.318	Interleukin-5 levels	0.000	0.060	23.542
rs927 1367	A	G	A	G	0.126	0.015	0.025	0.535	Interleukin-5 levels	0.000	0.025	25.069
rs963 5812	A	G	A	G	-0.133	0.016	0.027	0.556	Interleukin-5 levels	0.000	0.028	22.732
rs984 2794	T	G	T	G	0.116	-0.002	0.024	0.938	Interleukin-5 levels	0.000	0.025	21.947
rs100 3543 2	A	G	A	G	0.192	-0.001	0.024	0.941	Interleukin-4 levels	0.000	0.035	30.568
rs107 5549 0	G	A	G	A	0.113	0.018	0.016	0.278	Interleukin-4 levels	0.000	0.025	20.983
rs108 4750 6	T	C	T	C	0.143	0.010	0.020	0.603	Interleukin-4 levels	0.000	0.031	20.856
rs114 4348 04	G	T	G	T	0.320	0.076	0.046	0.099	Interleukin-4 levels	0.000	0.070	21.218

rs1153438 10	G	A	G	A	0.509	0.097	0.076	0.204	Interleukin-4 levels	0.000	0.077	43.169
rs1154284 18	T	C	T	C	-0.341	0.081	0.046	0.081	Interleukin-4 levels	0.000	0.066	27.047
rs1161808 34	A	G	A	G	0.430	-0.051	0.065	0.442	Interleukin-4 levels	0.000	0.081	28.240
rs1167432 28	C	T	C	T	0.472	0.052	0.044	0.253	Interleukin-4 levels	0.000	0.055	74.686
rs1253240 8	A	G	A	G	0.245	0.025	0.035	0.465	Interleukin-4 levels	0.000	0.049	24.910
rs1478390 99	G	A	G	A	0.327	0.021	0.042	0.654	Interleukin-4 levels	0.000	0.053	37.633
rs1808413 91	T	G	T	G	0.363	0.009	0.051	0.901	Interleukin-4 levels	0.000	0.076	22.971
rs1910413 65	T	C	T	C	0.651	0.109	0.084	0.198	Interleukin-4 levels	0.000	0.068	91.635
rs2099700	A	G	A	G	0.180	-0.004	0.027	0.891	Interleukin-4 levels	0.000	0.039	21.283

rs4726575	G	T	G	T	0.167	-0.002	0.016	0.925	Interleukin-4 levels	0.000	0.026	42.174
rs6453912	T	C	T	C	0.123	0.003	0.017	0.850	Interleukin-4 levels	0.000	0.025	24.178
rs6501457	T	C	T	C	-0.126	0.006	0.019	0.740	Interleukin-4 levels	0.000	0.027	21.665
rs6576081	C	T	C	T	0.130	0.045	0.017	0.011	Interleukin-4 levels	0.000	0.026	25.409
rs7281583 0	A	G	A	G	0.293	0.060	0.050	0.222	Interleukin-4 levels	0.000	0.060	23.542
rs9271367	A	G	A	G	0.126	-0.011	0.016	0.486	Interleukin-4 levels	0.000	0.025	25.069
rs9635812	A	G	A	G	-0.133	-0.002	0.018	0.926	Interleukin-4 levels	0.000	0.028	22.732
rs9842794	T	G	T	G	0.116	-0.008	0.016	0.633	Interleukin-4 levels	0.000	0.025	21.947
rs1003543 2	A	G	A	G	0.192	0.039	0.035	0.260	Interleukin-2 receptor antagonist levels	0.000	0.035	30.568
rs1075549 0	G	A	G	A	0.113	-0.007	0.024	0.786	Interleukin-2 receptor antagonist levels	0.000	0.025	20.983
rs1084750 6	T	C	T	C	0.143	0.013	0.030	0.645	Interleukin-2 receptor antagonist levels	0.000	0.031	20.856

rs11443480404	G	T	G	T	0.320	0.067	0.069	0.326	Interleukin-2 receptor antagonist levels	0.000	0.070	21.218
rs11534381010	G	A	G	A	0.509	0.155	0.110	0.160	Interleukin-2 receptor antagonist levels	0.000	0.077	43.169
rs11542841818	T	C	T	C	-0.341	-0.036	0.070	0.609	Interleukin-2 receptor antagonist levels	0.000	0.066	27.047
rs11618083434	A	G	A	G	0.430	0.124	0.097	0.202	Interleukin-2 receptor antagonist levels	0.000	0.081	28.240
rs11674322828	C	T	C	T	0.472	0.023	0.062	0.714	Interleukin-2 receptor antagonist levels	0.000	0.055	74.686
rs12532408	A	G	A	G	0.245	-0.013	0.052	0.798	Interleukin-2 receptor antagonist levels	0.000	0.049	24.910
rs14783909999	G	A	G	A	0.327	-0.065	0.060	0.279	Interleukin-2 receptor antagonist levels	0.000	0.053	37.633
rs18084139191	T	G	T	G	0.363	0.050	0.075	0.503	Interleukin-2 receptor antagonist levels	0.000	0.076	22.971
rs2099700	A	G	A	G	0.180	0.007	0.041	0.874	Interleukin-2 receptor	0.000	0.039	21.283

									antagonist levels			
rs4726575	G	T	G	T	0.167	-0.005	0.024	0.836	Interleukin-2 receptor antagonist levels	0.000	0.026	42.174
rs6453912	T	C	T	C	0.123	-0.005	0.025	0.854	Interleukin-2 receptor antagonist levels	0.000	0.025	24.178
rs6501457	T	C	T	C	-0.126	0.060	0.027	0.027	Interleukin-2 receptor antagonist levels	0.000	0.027	21.665
rs6576081	C	T	C	T	0.130	-0.015	0.025	0.542	Interleukin-2 receptor antagonist levels	0.000	0.026	25.409
rs7281583 0	A	G	A	G	0.293	0.120	0.078	0.115	Interleukin-2 receptor antagonist levels	0.000	0.060	23.542
rs9271367	A	G	A	G	0.126	-0.006	0.024	0.808	Interleukin-2 receptor antagonist levels	0.000	0.025	25.069
rs9635812	A	G	A	G	-0.133	-0.004	0.026	0.894	Interleukin-2 receptor antagonist levels	0.000	0.028	22.732
rs9842794	T	G	T	G	0.116	-0.012	0.023	0.601	Interleukin-2 receptor antagonist levels	0.000	0.025	21.947
rs100	A	G	A	G	0.192	-0.003	0.036	0.935	Interleukin-2	0.000	0.035	30.568

35432									levels			
rs10755490	G	A	G	A	0.113	-0.003	0.025	0.912	Interleukin-2 levels	0.000	0.025	20.983
rs10847506	T	C	T	C	0.143	-0.059	0.030	0.052	Interleukin-2 levels	0.000	0.031	20.856
rs11443480 4	G	T	G	T	0.320	0.164	0.072	0.024	Interleukin-2 levels	0.000	0.070	21.218
rs11534381 0	G	A	G	A	0.509	0.072	0.115	0.537	Interleukin-2 levels	0.000	0.077	43.169
rs11542841 8	T	C	T	C	-0.341	0.064	0.070	0.365	Interleukin-2 levels	0.000	0.066	27.047
rs11618083 4	A	G	A	G	0.430	0.053	0.098	0.579	Interleukin-2 levels	0.000	0.081	28.240
rs11674322 8	C	T	C	T	0.472	0.053	0.064	0.418	Interleukin-2 levels	0.000	0.055	74.686
rs12532408	A	G	A	G	0.245	-0.052	0.053	0.332	Interleukin-2 levels	0.000	0.049	24.910

rs1478390 99	G	A	G	A	0.327	0.128	0.062	0.041	Interleukin-2 levels	0.000	0.053	37.633
rs1808413 91	T	G	T	G	0.363	-0.061	0.077	0.380	Interleukin-2 levels	0.000	0.076	22.971
rs2099700	A	G	A	G	0.180	0.059	0.042	0.156	Interleukin-2 levels	0.000	0.039	21.283
rs4726575	G	T	G	T	0.167	0.006	0.025	0.810	Interleukin-2 levels	0.000	0.026	42.174
rs6453912	T	C	T	C	0.123	0.015	0.026	0.553	Interleukin-2 levels	0.000	0.025	24.178
rs6501457	T	C	T	C	-0.126	-0.060	0.028	0.031	Interleukin-2 levels	0.000	0.027	21.665
rs6576081	C	T	C	T	0.130	0.003	0.026	0.907	Interleukin-2 levels	0.000	0.026	25.409
rs7281583 0	A	G	A	G	0.293	0.054	0.081	0.484	Interleukin-2 levels	0.000	0.060	23.542
rs9271367	A	G	A	G	0.126	-0.024	0.024	0.327	Interleukin-2 levels	0.000	0.025	25.069
rs9635812	A	G	A	G	-0.133	0.056	0.027	0.035	Interleukin-2 levels	0.000	0.028	22.732
rs9842794	T	G	T	G	0.116	0.000	0.024	1.000	Interleukin-2 levels	0.000	0.025	21.947
rs100	A	G	A	G	0.192	0.002	0.025	0.970	Interferon gamma	0.000	0.035	30.568

35432									levels			
rs1075549 0	G	A	G	A	0.113	0.005	0.017	0.791	Interferon gamma levels	0.000	0.025	20.983
rs1084750 6	T	C	T	C	0.143	0.002	0.021	0.907	Interferon gamma levels	0.000	0.031	20.856
rs1144348 04	G	T	G	T	0.320	-0.008	0.047	0.850	Interferon gamma levels	0.000	0.070	21.218
rs1153438 10	G	A	G	A	0.509	0.096	0.078	0.213	Interferon gamma levels	0.000	0.077	43.169
rs1154284 18	T	C	T	C	-0.341	0.059	0.047	0.210	Interferon gamma levels	0.000	0.066	27.047
rs1161808 34	A	G	A	G	0.430	-0.030	0.068	0.675	Interferon gamma levels	0.000	0.081	28.240
rs1167432 28	C	T	C	T	0.472	0.014	0.045	0.749	Interferon gamma levels	0.000	0.055	74.686
rs1253240 8	A	G	A	G	0.245	-0.010	0.036	0.767	Interferon gamma levels	0.000	0.049	24.910

rs1478390 99	G	A	G	A	0.327	0.081	0.043	0.066	Interferon gamma levels	0.000	0.053	37.633
rs1808413 91	T	G	T	G	0.363	-0.054	0.052	0.291	Interferon gamma levels	0.000	0.076	22.971
rs1910413 65	T	C	T	C	0.651	0.056	0.086	0.517	Interferon gamma levels	0.000	0.068	91.635
rs2099700	A	G	A	G	0.180	0.011	0.028	0.682	Interferon gamma levels	0.000	0.039	21.283
rs4726575	G	T	G	T	0.167	-0.017	0.017	0.306	Interferon gamma levels	0.000	0.026	42.174
rs6453912	T	C	T	C	0.123	0.026	0.018	0.129	Interferon gamma levels	0.000	0.025	24.178
rs6501457	T	C	T	C	-0.126	-0.013	0.019	0.513	Interferon gamma levels	0.000	0.027	21.665
rs6576081	C	T	C	T	0.130	0.013	0.018	0.472	Interferon gamma levels	0.000	0.026	25.409
rs7281583 0	A	G	A	G	0.293	0.129	0.052	0.012	Interferon gamma levels	0.000	0.060	23.542
rs9271367	A	G	A	G	0.126	-0.019	0.016	0.254	Interferon gamma levels	0.000	0.025	25.069
rs9635812	A	G	A	G	-0.133	0.005	0.018	0.775	Interferon gamma levels	0.000	0.028	22.732

rs9842794	T	G	T	G	0.116	0.022	0.016	0.163	Interferon gamma levels	0.000	0.025	21.947
rs1003543 2	A	G	A	G	0.192	0.017	0.036	0.637	Growth-regulated protein alpha levels	0.000	0.035	30.568
rs1075549 0	G	A	G	A	0.113	0.029	0.025	0.235	Growth-regulated protein alpha levels	0.000	0.025	20.983
rs1084750 6	T	C	T	C	0.143	0.014	0.030	0.643	Growth-regulated protein alpha levels	0.000	0.031	20.856
rs1144348 04	G	T	G	T	0.320	0.147	0.071	0.038	Growth-regulated protein alpha levels	0.000	0.070	21.218
rs1153438 10	G	A	G	A	0.509	0.088	0.117	0.455	Growth-regulated protein alpha levels	0.000	0.077	43.169
rs1154284 18	T	C	T	C	-0.341	-0.060	0.071	0.424	Growth-regulated protein alpha levels	0.000	0.066	27.047
rs1161808 34	A	G	A	G	0.430	0.059	0.098	0.546	Growth-regulated protein alpha levels	0.000	0.081	28.240
rs1167432 28	C	T	C	T	0.472	0.074	0.063	0.236	Growth-regulated protein alpha levels	0.000	0.055	74.686

rs1253240 8	A	G	A	G	0.245	-0.015	0.053	0.793	Growth-regulated protein alpha levels	0.000	0.049	24.910
rs14783909 9	G	A	G	A	0.327	0.009	0.063	0.886	Growth-regulated protein alpha levels	0.000	0.053	37.633
rs18084139 1	T	G	T	G	0.363	-0.060	0.076	0.408	Growth-regulated protein alpha levels	0.000	0.076	22.971
rs2099700	A	G	A	G	0.180	-0.074	0.042	0.076	Growth-regulated protein alpha levels	0.000	0.039	21.283
rs4726575	G	T	G	T	0.167	0.014	0.025	0.585	Growth-regulated protein alpha levels	0.000	0.026	42.174
rs6453912	T	C	T	C	0.123	-0.015	0.026	0.571	Growth-regulated protein alpha levels	0.000	0.025	24.178
rs6501457	T	C	T	C	-0.126	0.007	0.028	0.803	Growth-regulated protein alpha levels	0.000	0.027	21.665
rs6576081	C	T	C	T	0.130	0.022	0.026	0.393	Growth-regulated protein alpha levels	0.000	0.026	25.409
rs7281583	A	G	A	G	0.293	0.065	0.080	0.407	Growth-regulated protein alpha	0.000	0.060	23.542

0									levels			
rs9271367	A	G	A	G	0.126	-0.051	0.024	0.033	Growth-regulated protein alpha levels	0.000	0.025	25.069
rs9635812	A	G	A	G	-0.133	0.002	0.026	0.933	Growth-regulated protein alpha levels	0.000	0.028	22.732
rs9842794	T	G	T	G	0.116	0.000	0.024	0.993	Growth-regulated protein alpha levels	0.000	0.025	21.947
rs1003543 2	A	G	A	G	0.192	0.021	0.024	0.408	Granulocyte-colony stimulating factor levels	0.000	0.035	30.568
rs1075549 0	G	A	G	A	0.113	0.021	0.016	0.215	Granulocyte-colony stimulating factor levels	0.000	0.025	20.983
rs1084750 6	T	C	T	C	0.143	-0.020	0.020	0.317	Granulocyte-colony stimulating factor levels	0.000	0.031	20.856
rs1144348 04	G	T	G	T	0.320	0.029	0.047	0.519	Granulocyte-colony stimulating factor levels	0.000	0.070	21.218
rs1153438 10	G	A	G	A	0.509	0.144	0.076	0.057	Granulocyte-colony stimulating factor levels	0.000	0.077	43.169
rs115	T	C	T	C	-0.341	0.039	0.047	0.400	Granulocyte-colon	0.000	0.066	27.047

428418									y stimulating factor levels			
rs11618083434	A	G	A	G	0.430	0.031	0.067	0.644	Granulocyte-colony stimulating factor levels	0.000	0.081	28.240
rs11674322828	C	T	C	T	0.472	0.039	0.045	0.373	Granulocyte-colony stimulating factor levels	0.000	0.055	74.686
rs12532408	A	G	A	G	0.245	-0.002	0.035	0.960	Granulocyte-colony stimulating factor levels	0.000	0.049	24.910
rs147839099	G	A	G	A	0.327	0.082	0.042	0.055	Granulocyte-colony stimulating factor levels	0.000	0.053	37.633
rs180841391	T	G	T	G	0.363	0.016	0.051	0.764	Granulocyte-colony stimulating factor levels	0.000	0.076	22.971
rs2099700	A	G	A	G	0.180	-0.026	0.028	0.357	Granulocyte-colony stimulating factor levels	0.000	0.039	21.283
rs4726575	G	T	G	T	0.167	-0.018	0.016	0.275	Granulocyte-colony stimulating factor levels	0.000	0.026	42.174
rs6453912	T	C	T	C	0.123	-0.019	0.017	0.264	Granulocyte-colony stimulating factor levels	0.000	0.025	24.178

rs6501457	T	C	T	C	-0.126	0.025	0.019	0.189	Granulocyte-colony stimulating factor levels	0.000	0.027	21.665
rs6576081	C	T	C	T	0.130	0.045	0.018	0.010	Granulocyte-colony stimulating factor levels	0.000	0.026	25.409
rs7281583 0	A	G	A	G	0.293	0.116	0.050	0.018	Granulocyte-colony stimulating factor levels	0.000	0.060	23.542
rs9271367	A	G	A	G	0.126	0.006	0.016	0.704	Granulocyte-colony stimulating factor levels	0.000	0.025	25.069
rs9635812	A	G	A	G	-0.133	-0.005	0.018	0.790	Granulocyte-colony stimulating factor levels	0.000	0.028	22.732
rs9842794	T	G	T	G	0.116	-0.014	0.016	0.377	Granulocyte-colony stimulating factor levels	0.000	0.025	21.947
rs1003543 2	A	G	A	G	0.192	0.021	0.025	0.424	Fibroblast growth factor basic levels	0.000	0.035	30.568
rs1075549 0	G	A	G	A	0.113	0.033	0.017	0.049	Fibroblast growth factor basic levels	0.000	0.025	20.983
rs1084750	T	C	T	C	0.143	0.006	0.021	0.752	Fibroblast growth factor basic levels	0.000	0.031	20.856

6												
rs114 4348 04	G	T	G	T	0.320	-0.002	0.047	0.969	Fibroblast growth factor basic levels	0.000	0.070	21.218
rs115 3438 10	G	A	G	A	0.509	-0.005	0.077	0.920	Fibroblast growth factor basic levels	0.000	0.077	43.169
rs115 4284 18	T	C	T	C	-0.341	0.023	0.047	0.600	Fibroblast growth factor basic levels	0.000	0.066	27.047
rs116 1808 34	A	G	A	G	0.430	-0.020	0.068	0.777	Fibroblast growth factor basic levels	0.000	0.081	28.240
rs116 7432 28	C	T	C	T	0.472	-0.031	0.045	0.502	Fibroblast growth factor basic levels	0.000	0.055	74.686
rs125 3240 8	A	G	A	G	0.245	0.003	0.036	0.934	Fibroblast growth factor basic levels	0.000	0.049	24.910
rs147 8390 99	G	A	G	A	0.327	0.053	0.043	0.228	Fibroblast growth factor basic levels	0.000	0.053	37.633
rs180 8413 91	T	G	T	G	0.363	-0.048	0.052	0.340	Fibroblast growth factor basic levels	0.000	0.076	22.971
rs209	A	G	A	G	0.180	-0.005	0.028	0.860	Fibroblast growth	0.000	0.039	21.283

9700									factor basic levels			
rs4726575	G	T	G	T	0.167	0.012	0.017	0.487	Fibroblast growth factor basic levels	0.000	0.026	42.174
rs6453912	T	C	T	C	0.123	-0.015	0.018	0.396	Fibroblast growth factor basic levels	0.000	0.025	24.178
rs6501457	T	C	T	C	-0.126	-0.006	0.019	0.766	Fibroblast growth factor basic levels	0.000	0.027	21.665
rs6576081	C	T	C	T	0.130	0.046	0.018	0.011	Fibroblast growth factor basic levels	0.000	0.026	25.409
rs7281583 0	A	G	A	G	0.293	0.077	0.051	0.110	Fibroblast growth factor basic levels	0.000	0.060	23.542
rs9271367	A	G	A	G	0.126	-0.008	0.016	0.621	Fibroblast growth factor basic levels	0.000	0.025	25.069
rs9635812	A	G	A	G	-0.133	0.002	0.018	0.910	Fibroblast growth factor basic levels	0.000	0.028	22.732
rs9842794	T	G	T	G	0.116	0.018	0.016	0.267	Fibroblast growth factor basic levels	0.000	0.025	21.947
rs1003543 2	A	G	A	G	0.192	-0.004	0.024	0.878	Eotaxin levels	0.000	0.035	30.568
rs1075549 0	G	A	G	A	0.113	-0.009	0.016	0.595	Eotaxin levels	0.000	0.025	20.983
rs1084750	T	C	T	C	0.143	0.011	0.020	0.563	Eotaxin levels	0.000	0.031	20.856

6												
rs114												
4348	G	T	G	T	0.320	0.009	0.046	0.849	Eotaxin levels	0.000	0.070	21.218
04												
rs115												
3438	G	A	G	A	0.509	-0.038	0.077	0.618	Eotaxin levels	0.000	0.077	43.169
10												
rs115												
4284	T	C	T	C	-0.341	-0.023	0.046	0.624	Eotaxin levels	0.000	0.066	27.047
18												
rs116												
1808	A	G	A	G	0.430	0.034	0.066	0.627	Eotaxin levels	0.000	0.081	28.240
34												
rs116												
7432	C	T	C	T	0.472	-0.034	0.044	0.445	Eotaxin levels	0.000	0.055	74.686
28												
rs125												
3240	A	G	A	G	0.245	-0.038	0.035	0.292	Eotaxin levels	0.000	0.049	24.910
8												
rs147												
8390	G	A	G	A	0.327	0.030	0.042	0.491	Eotaxin levels	0.000	0.053	37.633
99												
rs180												
8413	T	G	T	G	0.363	-0.011	0.051	0.786	Eotaxin levels	0.000	0.076	22.971
91												
rs191	T	C	T	C	0.651	-0.038	0.084	0.659	Eotaxin levels	0.000	0.068	91.635

041365												
rs2099700	A	G	A	G	0.180	0.009	0.027	0.736	Eotaxin levels	0.000	0.039	21.283
rs4726575	G	T	G	T	0.167	-0.004	0.016	0.817	Eotaxin levels	0.000	0.026	42.174
rs6453912	T	C	T	C	0.123	-0.026	0.017	0.129	Eotaxin levels	0.000	0.025	24.178
rs6501457	T	C	T	C	-0.126	-0.004	0.019	0.841	Eotaxin levels	0.000	0.027	21.665
rs6576081	C	T	C	T	0.130	0.008	0.017	0.616	Eotaxin levels	0.000	0.026	25.409
rs7281583 0	A	G	A	G	0.293	0.011	0.050	0.806	Eotaxin levels	0.000	0.060	23.542
rs9271367	A	G	A	G	0.126	-0.001	0.016	0.953	Eotaxin levels	0.000	0.025	25.069
rs9635812	A	G	A	G	-0.133	0.029	0.017	0.097	Eotaxin levels	0.000	0.028	22.732
rs9842794	T	G	T	G	0.116	-0.028	0.016	0.079	Eotaxin levels	0.000	0.025	21.947

Supplementary Table S2. Sensitivity analysis of Mendelian randomization of AP and ARDS.

Exposure	Outcome	Cochran's Q test		Horizontal pleiotropy		MR-PRESSO	
		I^2	P-value	Egger intercept	P-value	P-value	Outlier
AAP	ARDS	0	0.918	0.061	0.232	0.948	0
	Pleural effusion	0	0.583	-0.001	0.922	0.604	0
	Pulmonary edema	0	0.875	-0.022	0.610	9.941	0
AP	ARDS	0	0.842	0.048	0.392	0.893	0
	Pleural effusion	27.01%	0.140	0.037	0.035	0.257	0
	Pulmonary edema	30.61%	0.101	-0.035	0.538	0.200	0

Note: In the Egger intercept test for AP and Pleural effusion causal analysis, the P-value is less than 0.05, suggesting that the above single analysis is not credible. Given that the analysis was negative, we highlighted this in the supplement without describing the result in the main text.

Supplementary Table S3. Sensitivity analysis of Mendelian randomization of AP and cytokine.

Exposure	Outcome	Cochran's Q test		Horizontal pleiotropy		MR-PRESSO	
		I^2	P-value	Egger intercept	P-value	P-value	Outlier
AP							
	Platelet-derived growth factor BB levels	0	0.615	0.001	0.963	0.72	0
	Interleukin-12p70 levels	0	0.802	0.004	0.775	0502	0
	Interleukin-10 levels	0	0.983	-0.001	0.935	0.747	0
	Interleukin-1-beta levels	25.69%	0.165	-0.008	0.683	0.626	0
	Interleukin-5 levels	0	0.638	0.005	0.809	0.252	0
	Interleukin-4 levels	0	0.529	0.009	0.484	0.138	0
	Fibroblast growth factor basic levels	0	0.593	0.010	0.442	0.523	0
AAP	Stem cell growth factor beta levels	0	0.533	0.005	0.806	0.656	0
	Monokine induced by gamma interferon levels	0	0.538	-0.016	0.383	0.529	0
	Interleukin-12p70 levels	6.42%	0.376	-0.009	0.467	0.502	0
	Interleukin-10 levels	0	0.782	-0.011	0.383	0.762	0
	Interleukin-8 levels	15.27%	0.264	-0.028	0.170	0.267	0
	Interleukin-1-beta levels	0	0.862	-0.016	0.269	0.894	0

After excluding 10 patients, this study included 321 eligible subjects aged 19-98 years old, with an average age of 54. 44 ± 17. 51 years old, 222 were male (69. 16%), and 99 were women (30. 84%). Among them, 133 patients were in the CON group (41. 43%), 145 patients were in the QYKL group (45. 17%), and 43 patients were in the Q&D group (13. 40%). The other general demographic characteristics of the patients are described in **Supplementary Tables S4**. Among them, idiopathic etiology refers to the fact that many patients with AP cannot be diagnosed with a cause after clinical, imaging, and biochemical examinations. Therefore, it is called "idiopathic AP." With in-depth research, the popularization of endoscopic ultrasonography, and other technologies, the idiopathic cause can be identified as nothing more than micro calculi, pancreatic division, and Oddi sphincter disorder. This etiology still occupies a large proportion of the population.

Supplementary Tables S4. Description of general demographic characteristics.

Variation	N (%) $/\overline{x} \pm s$
Age	54. 44 ± 17. 51
Gender	
Male	222 (69. 16%)
Female	99 (30. 84%)
Nationality	
Han Nationality	303 (94. 4%)
Manchu	12 (3. 7%)
Mongolian	3 (0. 9%)
Korean	2 (0. 6%)
Ewenki	1 (0. 3%)
Respiratory Rate-Admission	17. 99 ± 2. 53
Temperature-Admission	36. 44 ± 0. 67
Pulse-Admission	83. 33 ± 15. 71
Surgery History	27 (8. 4 %)
Etiology	
Biliary	98 (30. 5%)
Alcoholic	29 (9. 0%)
Hyperlipidemia	65 (20. 2%)
Idiopathic	129 (40. 2%)
Severity Classification	
Severe AP	15 (4. 7%)

The average age of the three groups was 59. 68 ± 17. 82 years old, 50. 07 ± 16. 65 years old, and 52. 98 ± 15. 22 years old, respectively, P < 0. 05. Male patients accounted for 62. 4%, 71. 7%, and 81. 4%, respectively, P = 0. 043. The etiology classification is relatively scattered. In the CON group, 65 patients (48. 9%) had a cholestatic origin, 14 patients (10. 5%) had alcoholic liver disease, and 10 patients (7. 5%) had hyperlipidemia. In the QYKL group, there were 24 patients (16. 6%) with a cholestatic origin, 14 patients (9. 7%) with alcohol-induced liver disease, and 41 patients (28. 3%) with hyperlipidemia. In the Q&D group, 9 patients (20. 9%) had cholestatic origin , 1patient (2. 3 %) had alcohol-induced liver disease, and 14 patients (32. 6%)had hyperlip idemia, P < 0. 001. The ethnic distribution was associated with aP > 0. 05, o r no difference. There were 6 (4. 5%), 7 (4. 8%), and 2 (4. 7%) patients of se vere AP in each of the threegroups in terms of severity classification, P > 0. 05. The normal patients'respiratory rates ranged from 12~20 beats/min. Considering these two valuesdid not cause significant bias in the outcome, on ly age, sex, and etiology wereincluded in the GPSW; see **Supplementary Ta bles S5**.

Supplementary Tables S5. Comparison of the general demographic characteristics of the three groups of patients.

Variation	CON group (*N* = 133)	QYKL group (*N* = 145)	Q&D group (*N* = 43)	F/x^2	*P* Value
Age	59. 68 ± 17. 82	50. 07 ± 16. 65	52. 98 ± 15. 22	11. 3036	<0. 001
Gender	83 (62. 4 %)	104 (71. 7 %)	35 (81. 4 %)	6. 3094	0. 043
Nationality				-	0. 582
Han Nationality	125 (94. 0 %)	139 (95. 9 %)	39 (90. 7 %)		
Manchu	6 (4. 5 %)	3 (2. 1 %)	3 (7. 0 %)		
Mongolian	1 (0. 8 %)	1 (0. 7 %)	1 (2. 3 %)		

Korean	1 (0. 8 %)	1 (0. 7 %)	0 (0. 0 %)		
Ewenki	0 (0. 0 %)	1 (0. 7 %)	0 (0. 0 %)		
Respiratory Rate-Admission	18. 72 ± 3. 13	17. 45 ± 1. 88	17. 52 ± 1. 66	10. 0453	0. 001
Temperature-Admission	36. 53 ± 0. 74	36. 35± 0. 56	36. 49 ± 0. 75	2. 637	0. 73
Pulse-Admission	84. 77 ± 17. 41	81. 61 ± 14. 02	84. 63 ± 15. 16	1. 55938	0. 212
Surgery History	16 (12. 4 %)	7 (4. 8 %)	4 (9. 3 %)	5. 0673	0. 079
Etiology				49. 108	<0. 001
Biliary	65 (48. 9 %)	24 (16. 6 %)	9 (20. 9 %)		
Alcoholic	14 (10. 5 %)	14 (9. 7 %)	1 (2. 3 %)		
Hyperlipidemia	10 (7. 5 %)	41 (28. 3 %)	14 (32. 6 %)		
Idiopathic	44 (33. 1 %)	66 (45. 5 %)	19 (44. 2 %)		
Severity Classification Severe AP	6 (4. 5 %)	7 (4. 8 %)	2 (4. 7 %)	0. 01563	0. 99

In the comparison of the symptoms on admission, the number of patients who had nausea and vomiting was 97 patients (72. 9%) in the CON group, 100 patients (69. 0%) in the QYKL group, and 29 patients (67. 4%) in the Q&D group, P > 0. 05; see **Supplementary Tables S6** below.

Supplementary Tables S6. Comparison of the physical signs of the three groups of patients on admission.

Variation	CON group (*N* = 133)	QYKL group (*N* = 145)	Q&D group (*N* = 43)	x^2	*P* Value
Nausea and vomiting on admission	97 (72. 9)	100 (69. 0)	29 (67. 4)	0. 73311	0. 693

Since this study is a retrospective study and no uniform baseline information was obtained in the statistical data, after combining the comparison of the above three groups of baseline characteristics and related clinical background, the variables that had differences in the baselines between groups or that had an impact on patient prognosis based on clinical considerations were included in the generalized propensity score weighted model. Individuals with poorly balanced covariate distribution between the groups are given relatively less weight. Individuals with a higher covariate balance between the groups are given a relatively larger weight. This way, a pseudo population with a better balance of covariates between the groups is constructed based on the original population, and the influence of the uneven distribution of internal confounding factors between the groups on the effect value is eliminated. Therefore, the differences in related efficacy and safety indicators between the groups based on the pseudo population are further estimated. Before and after the generalized propensity score is weighted, the maximum standardized mean difference between the groups is less than 0. 1, reaching a balanced state. See **Supplementary Tables S7**.

Supplementary Tables S7. The largest standardized mean difference between the weighted pre- and postgroups of the generalized propensity score.

Variables	Type	Max Difference Unadjusted	Max Difference Adjusted	Balanced	Threshold
Age	continuous	0.539	0.047	Yes	<0.1
Gender	Binary	0.190	0.135	Note	>0.1
Etiology 1	Binary	0.323	0.042	Yes	<0.1
Etiology 2	Binary	0.082	0.011	Yes	<0.1
Etiology 3	Binary	0.250	0.029	Yes	<0.1
Etiology 4	Binary	0.124	0.009	Yes	<0.1

Note: Max Difference Unadjusted: max standardized mean difference (SMD) before weighting; Max Difference Adjusted: max SMD after weighting; SMD between pre-defined covariates and treatments were calculated before and after the generalized propensity

score weighting (GPSW). An average SMD less than 0.1 indicated balanced covariates (Austin, 2019). The adjusted max SMD for gender is 0.135; although this value is above 0.1, the average max SMD of all the covariates is still less than 0.1.

Supplementary Table S8. Comparison of main efficacy indicators.

Pre-calibration		After calibration				
Group	**case (%)**	**Estimate**	**Error**	***Z* value**	***P* value**	**OR**
Occurrence of ALI/ARDS						
CON group	10 (7. 5%)	**reference**				
QYKL group	3 (2. 1%)	-1. 403	0. 709	-1. 979	0. 048	0. 25
Q&D group	1 (2. 3%)	-1. 659	0. 813	-2. 040	0. 041	0. 19
Occurrence of pleural effusion						
CON group	55 (41.4%)	**reference**				
QYKL group	24 (16.6%)	-0. 564	0. 261	-2. 162	0. 031	0. 57
Q&D group	7 (16.3%)	-0. 851	0. 279	-3. 054	0. 002	0. 43

Supplementary Table S9. Comparison of the values of change in the duration of abdominal pain and bloating after admission in three groups of patients.

Pre-calibration		After calibration			
Group	**Average length of time ($\bar{x} \pm s$) d**	**Beta**	**Error**	***T* value**	***P* value**
Duration of abdominal pain					
CON group	8. 25±6. 42	**reference**			
QYKL group	5. 94±3. 62	-2. 421	0. 683	-3. 545	<0. 001
Q&D group	6. 69±5. 08	-1. 849	0. 707	-2. 616	0. 009
Duration of abdominal distension					
CON group	4. 64±6. 15	**reference**			
QYKL group	1. 93±3. 21	-2. 808	0. 576	-4. 875	<0. 001
Q&D group	1. 62±2. 87	-3. 461	0. 587	-5. 891	<0. 001

Supplementary Table S10. Comparison of the occurrence of abnormal bowel sounds in the three groups of patients.

Pre-calibration		After calibration				
Group	**case (%)**	**Estimate**	**Error**	***Z* value**	***P* value**	**OR**
CON 组	40 (30. 1%)			**reference**		
QYKL 组	5 (3. 4%)	-2. 709	0. 562	-4. 821	<0. 001	0. 067
Q&D 组	1 (2. 3%)	-2. 257	0. 487	-4. 635	<0. 001	0. 105

Supplementary Table S11. Differences in the laboratory indexes of the three groups of patients.

Pre-calibration		After calibration			
Group	**Reduced value ($\bar{x} \pm s$)**	**Beta**	**Error**	***Z* value**	***P* value**
Amy reduced value					
CON group	396. 28±637. 79 U/L	**reference**			
QYKL group	234. 71±575. 77 U/L	87. 80	103. 84	0. 846	0. 399
Q&D group	328. 82±650. 33 U/L	-76. 89	102. 32	-0. 751	0. 453
Lps reduced value					
CON group	1, 121. 32±2, 174. 47 U/L	**reference**			
QYKL group	788. 02±1, 903. 02 U/L	162. 7	303. 9	0. 535	0. 593
Q&D group	939. 39±1, 601. 26 U/L	-136. 7	291. 7	-0. 469	0. 640
Neut# reduced value					
CON group	(3. 55±4. 54) ×10^9/L	**reference**			
QYKL group	(3. 43±3. 35) ×10^9/L	0. 3574	0. 5933	0. 602	0. 5475
Q&D group	(4. 67±4. 53) ×10^9/L	-0. 9970	0. 5763	-1. 730	0. 0848
WBC# reduced value					
CON group	(3. 28±4. 58) ×10^9/L	**reference**			
QYKL group	(3. 19±3. 47) ×10^9/L	0. 3409	0. 5973	0. 571	0. 569
Q&D group	(4. 15±4. 52) ×10^9/L	-0. 7297	0. 5803	-1. 258	0. 210

Supplementary Table S12. Comparison of the three groups of patients admitted to the ICU and the use of mechanical ventilation.

Pre-calibration		After calibration				
Group	**case (%)**	**Estimate**	**Error**	***Z* value**	***P* value**	**OR**
ICU occupancy rate						
CON group	25 (18. 8%)	**reference**				
QYKL group	5 (3. 4%)	-1. 773	0. 507	-3. 495	<0. 001	0. 170
Q&D group	2 (4. 7%)	-2. 002	0. 576	-3. 477	<0. 001	0. 135
Ventilator utilization rate						
CON group	11 (8. 3%)	**reference**				
QYKL group	2 (1. 4%)	-2. 069	0. 883	-2. 343	0. 019	0. 126
Q&D group	1 (2. 3%)	-1. 762	0. 808	-2. 182	0. 029	0. 172

Supplementary Table S13. Comparison of economic indicators among the three groups of patients.

Pre-calibration		After calibration			
Group	$\overline{x} \pm s$	**Beta**	**Error**	***Z* value**	***P* value**
Length of hospitalization					
CON group	13. 23±7. 53 d	**reference**			
QYKL group	9. 28±4. 29 d	-3. 7867	0. 8305	-4. 560	<0. 001
Q&D group	10. 77±6. 69 d	-2. 4058	0. 8495	-2. 832	0. 005
ICU admission time					
CON group	1. 48±4. 58 d	**reference**			
QYKL group	0. 21±1. 21 d	-1. 2809	0. 3821	-3. 352	<0. 001
Q&D group	0. 30±1. 39 d	-1. 2787	0. 3909	-3. 272	0. 001

Supplementary Table S14. 126 chemical constituents of QYKL extract.

NameEN	HerbSet	Class	CompositeScore	Formula	mzmed	rtmed	ppm	ms2Adduct	MS2
Emodin	⑤	Quinones	1	C15H10O5	269.0460831	440.101	0.308828052925866	[M-H]	269.044;270.047;241.05;197.06;169.065
Genistein	②	Flavonoids	1	C15H10O5	269.0458396	289.218	0.596354321044295	[M-H]-	269.044;270.047;241.051;223.039;197.06
Chrysin	①②⑤	Flavonoids	1	C15H10O4	253.0509071	359.371	0.366968670569439	[M-H]	253.05;254.053;63.024;209.062;65.003
Hederagenin	②⑥	Terpenoids	1	C30H48O4	471.3481934	552.726	1.71118966874442	[M-H]-	471.351;472.352;92.692;160.843;52.374
Linoelaidic acid	①②③④⑦⑥	Fatty Acyls	1	C18H32O2	279.2329319	749.7245	0.243930479711214	[M-H]-	279.235;280.238;92.928;70.782;74.294
Costunolide	⑦	Sesquiterpenoids	1	C15H20O2	231.1389574	507.768	0.184348317906747	[M-H]-	231.141;232.144;213.128;50.39;95.435
Methyl hexadecanoate	①②⑥	Fatty Acyls	1	C17H34O2	315.2545485	506.222	1.73978948952968	[M+HCOO]	315.252;316.258;297.245;313.24;56.078
Apigenin	①	Flavonoids	1	C15H10O5	269.0455754	186.676	1.5780341241408	[M-H]	269.044;270.047;241.05;251.035;169.065
Baicalein	①⑥	Flavonoids	0.999999538	C15H10O5	269.0460603	268.094	0.224258976125105	[M-H]-	269.044;197.06;270.047;225.055;171.044
Baicalin	①	Flavonoids	0.999998538	C21H18O11	445.0775415	354.5725	3.27704034274214	[M-H]	269.044;113.025;445.283;162.838;59.014
Wogonin	①④	Flavonoids	0.999870077	C16H12O5	285.0756393	399.2095	1.26543615920436	[M+H]+	285.076;270.053;269.046;55.171;267.209
Fumaric acid	③⑤	Organic acids and derivatives	0.999812308	C4H4O4	115.00378	55.0071	1.91255463876598	[M-H]	71.014;114.935;116.05;59.014;51.858
Acacetin	①	Flavonoids	0.999804846	C16H12O5	283.0616056	226.502	1.39318114546415	[M-H]-	268.038;283.062;284.031;269.04;239.035
Glycitein	⑦	Flavonoids	0.999734231	C16H12O5	283.0616392	157.929	1.27472648737502	[M-H]-	268.038;283.062;284.031;110.001;165.991
Laxapur	⑤	Quinones	0.999724077	C14H8O4	239.0352764	350.2295	1.15651043696881	[M-H]-	183.046;239.036;257.044;211.04;229.052
Choline	②	Organonitrogen compounds	0.999580923	C5H14NO	104.1068044	87.0121	1.87902189638406	[M]+	104.106;60.081;105.069;79.054;58.065
Kaempferol	②④⑥	Flavonoids	0.998835769	C15H10O6	285.041064	167.92	0.224508420268003	[M-H]-	285.041;241.05;117.035;286.044;240.044
Maleic acid	③⑤	Organic acids and	0.997159769	C4H4O4	115.0037621	31.1671	2.06864441356267	[M-H]-	71.014;115.003;72.017;116.072;59.014

		derivatives							
Saikosaponin BK1	④	Terpenoids	0.994008615	C48H78O17	925.5162989	327.376	0.757491276895966	[M-H]-	925.512;925.485;71.014;89.024;101.025
(+)-Costunolide	⑦	Sesquiterpenoids	0.991842154	C15H20O2	233.1536307	324.0795	2.70526624006001	[M+H]+	187.147;233.154;81.069;215.141;145.101
Pinocembrin	④	Flavonoids	0.990391462	C15H12O4	255.0667621	368.77	0.932884191158441	[M-H]-	255.066;151.004;213.057;256.07;83.014
trans-4-Coumaric acid	①	Phenylpropanoids	0.989558923	C9H8O3	163.0401547	82.30185	0.948859195427202	[M-H]-	119.05;163.04;120.054;93.034;164.043
Gallic acid	⑤⑥	Phenols	0.989457692	C7H6O5	169.0143746	36.11095	2.2160963763764	[M-H]-	125.025;169.015;69.035;97.03;126.027
Isoalantolactone	⑦	Terpenoids	0.988944538	C15H20O2	233.1536015	455.283	2.57993798542526	[M+H]	233.154;187.147;215.142;81.069;95.085
Saikosaponin A	④	Terpenoids	0.988435308	C42H68O13	779.4569282	417.942	2.65805266981214	[M-H]-	779.457;59.014;71.014;617.409;89.025
Hydroprotopine	③	Alkaloids	0.988317923	C20H20NO5+	354.1333947	138.1735	1.70933649622544	[M+]	354.134;189.078;188.071;149.06;275.071
Magnolol	⑤	Lignans	0.988189846	C18H18O2	265.1233298	512.942	2.5277338114985	[M-H]-	265.124;247.113;96.96;266.126;245.096
Pyrogallol	⑥⑤	Phenols	0.988152077	C6H6O3	125.0245502	54.4652	3.59808629152895	[M-H]	125.025;69.035;97.03;95.034;81.036
Malic acid	⑤	Hydroxy acids and derivatives	0.985465	C4H6O5	133.0143447	101.4855	2.59117897285675	[M-H]-	71.014;115.003;133.014;72.993;89.024
Isoliquiritigenin	④	Flavonoids	0.985249154	C15H12O4	255.066078	116.239	3.61487931035843	[M-H]-	255.066;213.057;167.108;256.07;211.077
Isorhamnetin	④	Flavonoids	0.983723462	C16H12O7	315.0517766	165.4715	0.709013671968228	[M-H]	315.051;300.029;151.004;148.017;241.05
Rutin	④	Flavonoids	0.983321692	C27H30O16	609.1460276	80.3798	3.23789903497675	[M-H]-	300.029;609.143;301.037;271.027;255.032
Palmatine	①③	Alkaloids	0.982981154	C21H22NO4	352.1539537	204.648	0.131499207953043	[M]+	352.152;336.123;337.131;308.13;322.106
Dehydrocostus lactone	③⑦	Terpenoids	0.982516077	C15H18O2	231.137788	218.48	0.917054172792167	[M+H]	231.138;185.133;143.085;213.126;145.101
Paeoniflorin	⑥	Terpenoids	0.977329385	C23H28O11	498.1959797	82.1582	4.05531363252217	[M+NH4]	179.069;151.074;133.064;161.059;85.029
Quercetin	④	Flavonoids	0.976100154	C15H10O7	303.0496177	136.773	1.26166469372531	[M+H]	303.049;257.043;153.019;229.048;285.04
Tetrahydrocoptisine	③	Alkaloids	0.973892923	C19H17NO4	324.1230354	161.2965	0.109314683439627	[M+H]	324.122;176.069;149.06;119.049;91.055
Luteolin	①	Flavonoids	0.972734308	C15H10O6	285.0410232	252.625	0.0812690493426552	[M-H]	285.041;151.004;125.025;133.03;83.014

Chrysoeriol	①	Flavonoids	0.969534231	C16H12O6	299.056693	256.844	1.02647144234446	[M-H]-	284.031;299.056;136.988;285.036;65.003
Adonitol	④	Organic oxygen compounds	0.969115077	C5H12O5	151.0610882	33.1823	0.583580437977266	[M-H]-	71.014;89.025;59.014;101.025;83.014
Benzoic acid + 2O, O-Hex	⑤	Miscellaneous	0.968295385	C13H16O9	315.0730021	36.7768	0.00671510417482915	[M-H]-	315.072;153.02;152.012;108.022;109.029
Crocetin	②	Miscellaneous	0.966831385	C20H24O4	329.1749615	539.6425	0.116963549895731	[M+H]	329.173;92.67;293.155;311.164;197.097
alpha-Cyperone	⑦	Terpenoids	0.960875385	C15H22O	219.1741198	398.4185	0.546524348395279	[M+H]+	219.175;201.163;161.132;145.101;159.117
Shanzhiside	②	Iridoids	0.960291077	C16H24O11	391.1244913	36.7889	1.30050667558877	[M-H]	391.124;59.014;89.025;71.014;96.96
Geniposide	②	Iridoids	0.959023154	C17H24O10	389.1440846	59.6455	0.217482573521042	[M+H]+	149.06;209.08;121.064;177.055;93.069
Germacrone	②	Sesquiterpenoids	0.958608231	C15H22O	219.1744601	420.919	2.09913556462673	[M+H]	219.174;201.163;145.101;93.069;119.085
Phenylacetaldehyde	①④	Phenols	0.957775462	C8H8O	121.0647255	650.932	2.26753992055816	[M+H]+	121.064;93.069;95.049;53.039;91.055
6,7-Dihydroxycoumarin	④	Phenylpropanoids	0.957015769	C9H6O4	177.0194889	73.7864	2.88700452176873	[M-H]-	177.02;149.025;133.03;78.959;121.029
p-Coumaric acid	①	Phenylpropanoids	0.9555	C9H8O3	165.0545376	157.809	2.80136131171557	[M+H]	147.043;119.049;91.054;165.055;123.044
Oroxylin A	①	Flavonoids	0.954564846	C16H12O5	283.0616367	269.4215	1.2833384847647	[M-H]	268.038;283.062;163.003;269.04;239.034
Apigenin 7-O-glucuronide	①	Flavonoids	0.954527923	C21H18O11	445.0774251	514.8865	3.53851708539347	[M-H]	269.044;113.025;85.03;175.024;92.687
Chlorogenic acid	①②⑦	Phenylpropanoids	0.951515923	C16H18O9	355.1024824	47.4013	1.45765214741951	[M+H]+	163.038;355.197;235.06;70.065;205.051
Scutellarin	①	Flavonoids	0.951125231	C21H18O12	461.0723468	91.2641	3.58561029215659	[M-H]	285.041;113.025;59.014;89.025;71.014
Chrysophanol 8-O-beta-D-glucoside	⑤	Flavonoids	0.947126231	C21H20O9	415.1034336	246.29	1.36455120617734	[M-H]	253.05;277.048;92.688;239.071;249.055
Coumaric acid	①	Phenylpropanoids	0.946985385	C9H8O3	147.0440795	261.2385	0.540905204927948	[M+H-H2O]+	119.049;147.044;91.054;65.038;105.069
Apigenin-7-O-glucoside	①	Flavonoids	0.944903462	C21H20O10	431.0983926	165.341	1.40898612343717	[M-H]-	431.097;269.044;240.045;432.098;270.051
Paracetamol	①	Phenol ethers	0.936826923	C8H9NO2	152.0707237	104.207	1.8167368065099	[M+H]+	152.07;134.06;106.065;79.054;96.044
Luteolin-4'-O-glucoside	①	Flavonoids	0.931069231	C21H20O11	447.0940381	59.82405	0.0853134166992399	[M-H]-	285.041;447.097;105.019;59.014;89.024
Saikosaponin D	④	Terpenoids	0.926704077	C42H68O13	803.4538668	398.909	2.65499563086132	[M+Na]	803.46;803.503;331.101;89.272;92.668

Caffeic acid	②	Phenylpropanoids	0.925192846	C9H8O4	179.0351026	53.1675	0.573027258387574	[M-H]-	135.046;59.014;179.036;71.014;89.024
Benzoic acid	⑥	Phenols	0.924726	C7H6O2	123.0440939	96.6419	0.762960675651365	[M+H]	123.044;67.054;79.054;81.069;95.086
Sucrose	⑥	Organooxygen compounds	0.923942846	C12H22O11	341.1088162	73.9608	0.53883781722736	[M-H]	89.025;59.014;71.014;341.106;119.035
Flavone base + 3O, O-HexA	①④⑥	Flavonoids	0.922872308	C21H18O11	447.0922283	210.1625	0.510606775441837	[M+H]+	271.061;447.091;285.077;92.668;270.053
Crocin I	②	Diterpenoids	0.915937462	C44H64O24	975.3695034	293.355	4.6101434885367	[M-H]-	651.273;327.162;283.17;239.179;89.024
Thymol	④	Phenols	0.914757	C10H14O	151.1117243	406.8805	1.8247824869746	[M+H]+	81.069;151.112;123.116;105.07;95.085
Jatrorrhizine hydrochloride	③	Alkaloids	0.914114077	C20H20NO4+.Cl-	337.1290812	199.763	2.72531784164748	[M-H]	337.13;336.123;308.125;322.106;53.157
Wogonoside	①④	Flavonoids	0.910963	C22H20O11	461.1070598	227.447	2.03901277375839	[M+H]	285.076;270.052;461.105;92.672;68.89
Quercetin-3-O-galactoside	②③④	Flavonoids	0.902667385	C21H20O12	463.0883664	47.2167	3.52766853922936	[M-H]-	463.096;300.998;299.989;96.96;195.03
6,7,8-trimethoxychromen-2-one	④	Phenylpropanoids	0.898316385	C12H12O5	237.0754791	210.773	2.19739531084057	[M+H]+	237.076;222.053;176.047;207.028;191.034
Octyl gallate	⑥	Aliphatics	0.897150462	C15H22O5	281.1395474	128.149	1.60997558763484	[M-H]	281.139;219.139;237.15;151.076;282.143
Saikosaponin b2	④	Terpenoids	0.890840385	C42H68O13	825.4653865	456.08	0.743253307895115	[M+FA-H]-	779.459;779.5;59.014;617.41;92.688
5-OXO-D-PROLINE	⑤	Amino acid derivatives	0.882669385	C5H7NO3	128.0354182	34.7661	3.26652316832878	[M-H]-	128.036;85.029;129.039;82.03;75.009
Mifepristone	①	Terpenoids	0.882517615	C29H35NO2	430.2642295	375.741	15.7356031393908	[M+H]+	430.268;70.065;92.67;158.117;68.806
Linoleic acid	①②③④⑦⑥	Fatty Acyls	0.876766231	C18H32O2	281.2471803	523.3	2.91456138024922	[M+H]+	57.07;83.085;71.086;81.069;69.069
Albiflorin	⑥	Terpenoids	0.871868538	C23H28O11	519.1269904	70.5572	0.018455135559556	[M+K]+	519.131;57.68;92.67;70.066;72.103
Camphor	①④	Terpenoids	0.871797846	C10H16O	153.127379	685.986	2.47538514894765	[M+H]	153.128;97.065;69.069;107.086;57.034
(-)-Epicatechin gallate	⑤	Flavonoids	0.867091923	C22H18O10	443.097836	96.6102	0.370205757572125	[M+H]	123.044;139.038;153.019;70.066;151.04
Salicylic acid	⑥	Phenols	0.861693846	C7H6O3	137.0244864	948.557	3.74796541379447	[M-H]-	92.92;137.024;94.029;124.892;108.9
Syringaresinol	①②	Phenylpropanoids	0.854999308	C22H26O8	417.1554669	148.978	1.27802761881465	[M-H]-	417.109;297.069;181.052;166.027;269.073

Isophorone	②	Organooxygen compounds	0.853709769	C9H14O	139.1173866	106.677	38.719898182516	[M+H]+	139.111;93.069;121.101;95.085;111.044
Oleamide	⑥	Lipids	0.850066692	C18H35NO	282.2787225	525.384	0.983205721569698	[M+H]+	282.279;57.07;69.069;83.086;92.67
Baicalin methyl ester	①	Flavonoids	0.833012692	C22H20O11	461.1070704	210.269	0.152740798167267	[M+H]	271.061;461.11;285.077;92.672;85.027
Diethyl-phthalate	④	Benzoic acids and derivatives	0.830078385	C12H14O4	221.0818784	198.714	0.550223681428255	[M-H]-	59.014;221.083;149.061;161.062;177.092
Daidzein-8-C-glucoside	④	Flavonoids	0.827015231	C21H20O9	415.1043659	145.268	0.881455874904935	[M-H]-	295.06;415.105;267.067;296.067;416.11
Gardenin B	②	Flavonoids	0.819920077	C19H18O7	359.1122275	302.688	0.633434852895579	[M+H]	359.11;329.065;344.088;92.67;58.803
Rhein	⑤	Quinones	0.819040462	C15H8O6	283.0249361	350.2295	0.22594044848151	[M-H]	257.044;239.036;283.026;183.046;268.038
Ligustilide	④	Dihydrofurans	0.814579846	C12H14O2	191.1064478	458.479	2.88974642928563	[M+H]	191.106;173.096;145.101;91.054;117.07
Ursolic acid	②⑥	Terpenoids	0.812291923	C30H48O3	439.3575588	710.568	1.00417102914801	[M+H-H2O]-	203.181;439.358;191.178;189.164;119.085
Cinnamaldehyde	⑦	Phenylpropanoids	0.812286385	C9H8O	133.064848	411.73	1.14226853505306	[M+H]	105.07;133.065;91.055;79.054;103.055
Flavonol base + 3O, O-Hex	⑥	Flavonoids	0.811826308	C21H20O11	447.0947323	297.549	2.83536421113543	[M-H]-	285.041;447.096;241.05;240.041;284.031
Cinnamic acid	⑤	Phenylpropanoids	0.805996769	C9H8O2	149.0597689	59.6624	1.55060934792742	[M+H]	121.064;91.055;93.069;149.06;81.069
Vicenin 2	④	Flavonoids	0.803093385	C27H30O15	595.1643373	116.639	4.47389374190923	[M+H]+	287.054;271.061;85.028;71.049;70.065
Crocin II	②	Diterpenoids	0.802479154	C38H54O19	813.3204059	340.447	1.96004694526145	[M-H]	89.025;92.686;59.014;71.014;101.025
Acetophenone	①④	Phenols	0.790254615	C8H8O	121.0647825	269.861	1.7964498881404	[M+H]	121.064;91.055;93.069;95.049;53.039
Quercetin-3-O-beta-glucopyranoside	②③④	Flavonoids	0.779157923	C21H20O12	465.1031587	86.9273	1.80889525961696	[M+H]+	303.049;85.028;289.072;169.012;97.028
4-Phenyl-3-buten-2-one	⑤	Benzene and substituted derivatives	0.765770769	C10H10O	147.0804647	491.187	3.15950689248914	[M+H]+	147.081;119.085;105.07;91.054;117.07
Oxypaeoniflorin	⑥	Terpenoids	0.764679231	C23H28O12	495.1508212	41.5155	2.38059107327979	[M-H]	137.025;121.029;93.034;495.144;89.025
Kaempferol-3-O-glucoside	⑥	Flavonoids	0.758566923	C21H20O11	447.0940649	138.312	0.145112264068918	[M-H]-	284.031;447.097;255.031;285.037;240.045

Agarotetrol	⑦	Phenols	0.758400769	C17H18O6	317.1033868	247.459	1.21987874014049	[M-H]	317.102;125.025;169.015;96.96;124.017
Carveol	④	Prenol lipids	0.756679077	C10H16O	135.116689	358.83	2.30177645946651	[M+H-H2O]-	93.069;79.054;135.116;107.086;67.055
Shanzhiside methyl ester	②	Terpenoids	0.750240615	C17H26O11	405.1401146	38.4706	2.18550115429578	[M-H]-	61.988;225.077;149.061;71.014;405.101
Epiberberine	①	Alkaloids	0.745879	C20H18NO4+	336.1227359	162.2225	3.76097238647605	[M+]	336.123;320.092;292.097;321.1;308.125
Skullcapflavone II	①	Flavonoids	0.734323615	C19H18O8	375.1070103	253.052	0.0275197201630398	[M+H]+	375.109;345.059;360.086;327.049;197.007
Sorbitol	②	Organic oxygen compounds	0.716964923	C6H14O6	181.0720111	906.786	0.0610575755368815	[M-H]-	112.986;59.014;101.023;71.013;89.023
Dibutylphthalate	①④⑥	Organic acids and derivatives	0.710760769	C16H22O4	279.1587977	604.4385	0.724592445738971	[M+H]+	149.023;57.07;81.069;51.049;54.514
Afzelin	①	Flavonoids	0.710584077	C21H20O10	431.0984233	205.5685	1.33769401319269	[M-H]-	311.058;269.044;431.096;267.068;239.071
Corydaline	③	Alkaloids	0.702200538	C22H27NO4	370.2014083	194.9745	1.10284079923063	[M+H]	370.203;192.102;165.091;150.067;179.106
Lysionotin	②	Flavonoids	0.694353538	C18H16O7	345.0962391	365.829	2.20485148420229	[M+H]	345.095;315.047;312.061;330.075;159.118
Progesterone	⑤	Terpenoids	0.693585	C21H30O2	315.2317886	737.609	0.670762187461146	[M+H]+	71.085;315.233;55.018;245.153;175.074
Phenylacetic acid	④	Aromaticity	0.680484385	C8H8O2	135.0452602	89.3459	1.92645385496143	[M-H]-	135.046;75.009;93.033;108.021;72.993
Daidzin	①	Flavonoids	0.679841615	C21H20O9	417.1185742	224.979	1.37647224934729	[M+H]+	255.066;85.028;417.164;167.07;191.07
Methyl gallate	⑥	Phenols	0.670348538	C8H8O5	183.0299744	51.0732	0.139778864495029	[M-H]	168.007;124.017;183.029;139.041;155.072
Demethyleneberberine	③	Alkaloids	0.670251308	C19H18NO4+	324.1230228	120.751	0.07036374901387	[M+]	324.122;309.097;294.076;70.064;115.039
Norglaucine	③	Alkaloids	0.669897615	C20H23NO4	342.1695862	163.192	1.20947197467706	[M+H]+	294.124;325.142;310.119;342.171;279.1
Epicatechin	①⑤	Flavonoids	0.666067769	C15H14O6	291.0866994	47.9385	2.40276323999479	[M+H]	139.039;123.044;147.045;165.054;291.176
Rhaponticin	⑤	Phenols	0.665524	C21H24O9	421.1491907	131.0025	1.92175651756043	[M+H]	105.069;91.055;325.104;301.107;151.038
Genipin 1-O-beta-D-gentiobioside	②	Iridoid glucoside	0.663358462	C23H34O15	549.1834946	52.5372	0.920274420082507	[M-H]	101.025;123.045;225.077;68.998;207.067
Pyroglutamic acid	⑤	Amino acid	0.659669231	C5H7NO3	130.0499874	38.9508	0.0966768722680678	[M+H]+	70.066;84.081;71.049;60.056;130.086

		derivatives							
Glaucine	③	Alkaloids	0.650949538	C21H25NO4	356.1854417	218.009	1.56737447858658	[M+H]+	294.124;325.143;356.184;310.12;279.1
beta-penta-O-galloyl-glucose	⑥	Phenols	0.647886385	C41H32O26	939.1103969	177.4195	3.83669330339616	[M-H]-	169.013;939.119;92.692;769.099;125.025
Hesperidin	⑤	Flavonoids	0.635708154	C28H34O15	609.1821086	152.384	1.46321858668474	[M-H]-	301.072;609.186;164.011;286.048;137.024
Benzoylpaeoniflorin	⑥	Terpenoids	0.621015538	C30H32O12	602.2222436	263.309	7.89805254019096	[M+NH4]	105.033;179.07;267.085;249.076;151.075
5-Hydroxymethylfurfural	④	Organooxygen compounds	0.620116615	C6H6O3	127.0389331	4.17116	0.526482215762994	[M+H]	127.039;109.029;81.033;53.039;55.018
Dehydrocorydaline	③	Alkaloids	0.618868538	C22H24NO4+	366.1695723	228.4665	1.16800338787648	[M+]	366.17;350.136;351.145;322.144;336.123
Sennoside B	⑤	Anthraquinones	0.610872154	C42H38O20	861.1875001	194.85	1.74168253471177	[M-H]	269.044;445.077;415.105;295.06;113.025
Oxoglaucine	③	Alkaloids	0.608245692	C20H17NO5	352.1178853	381.222	0.32580059058852	[M+H]	352.12;337.096;322.073;92.67;308.089

Note: ①: Scutellaria baicalensis. ②: Fructus Gardeniae. ③: Rhizoma corydalis. ④: Radix bupleuri. ⑤: Rheum officinale. ⑥: Radix paeoniae alba. ⑦: Costustoot.

Supplementary Table S15. Ligand-receptor pair binding energies.

Compound / Target	corydaline	rhein	tetrahydrocoptisine	pulmatin	trans-4-coumaricacid	chrysoeriol	isoliquiritigenin	kaempferol-3-O-glucoside	laxapur	wogonoside
ESR1	-8.71	-5.14	-6.13	-5.39	-7.93	-7	-3.65	-6.87	-8.61	-8.57
MMP9	-7.35	-7.01	-8.35	-7.83	-8.08	-8.68	-7.73	-8.85	-7.89	-7.64
KDR	-9.06	-8.7	-7.54	-7.01	-6.5	-7.09	-6.51	-6.64	-5.69	-5.72
XDH	-5	-11.36	-10.98	-7.75	-6.73	-9.55	-7.61	-9.22	-10.2	-6.49
SLC29A1	-7.11	-5.78	-6.62	-9.96	-8.81	-5.27	-8.9	-9.75	-6.67	-5.01
PIM1	-9.03	-7.74	-7.75	-8.35	-8.84	-4.35	-7.34	-7.17	-7.1	-6.73
PTPN1	-6.85	-7.69	-7.92	-8.32	-7.05	-8.27	-10.67	-8.4	-5.88	-9.79
MAOB	-6.43	-6.08	-10.12	-7.76	-6.38	-9.4	-5.21	-7.66	-8.17	-8.62
NQO2	-6.7	-6.29	-8.46	-5.82	-7.85	-6.71	-7.4	-7.54	-7.04	-9.71
DPP4	-8.17	-6.67	-6.96	-6.39	-6.19	-7.89	-4.03	-8.64	-7.21	-8.45

Unit: kcal/mol.