

**Supplementary Table SV** SNPs associated with traits in the GWAS Catalog with *cis*-eQTLs in endometrium.

PUBMEDID	DISEASE.TRAIT	CHR_ID	CHR_POS	SNPS	P.VALUE
21 801 394	Drug-induced Stevens-Johnson syndrome or toxic epidermal necrolysis (SJS/TEN)	6	31 440 051	rs9469003	2.00E-09
21 804 548	Asthma	6	32 390 736	rs3117098	5.00E-12
21 804 548	Asthma	12	55 970 537	rs2069408	1.00E-10
21 804 548	Asthma	12	56 018 703	rs1701704	2.00E-13
21 841 780	Graves' disease	6	32 696 074	rs6457617	7.00E-33
21 900 946	Graves' disease	6	29 967 473	rs3893464	2.00E-20
21 909 109	Metabolite levels	9	133 278 431	rs651007	6.00E-09
21 946 350	Pulmonary function	16	75 356 418	rs2865531	2.00E-11
22 001 757	Liver enzyme levels (alkaline phosphatase)	1	21 439 960	rs1976403	2.00E-50
22 001 757	Liver enzyme levels (alkaline phosphatase)	9	133 278 724	rs579459	3.00E-123
22 001 757	Liver enzyme levels (gamma-glutamyl transferase)	22	23 953 099	rs2739330	2.00E-09
22 075 330	IgE levels	6	29 956 061	rs2571391	1.00E-15
20 686 565	LDL cholesterol	9	133 279 427	rs635634	8.00E-22
20 686 565	Triglycerides	6	31 297 713	rs2247056	2.00E-15
20 686 565	Cholesterol, total	9	133 279 427	rs635634	9.00E-21
20 686 565	Cholesterol, total	20	35 564 866	rs2277862	4.00E-10
22 190 364	Multiple sclerosis	6	32 445 768	rs3129889	1.00E-206
20 596 022	Alopecia areata	12	56 018 703	rs1701704	3.00E-08
20 596 022	Alopecia areata	6	32 711 222	rs9275572	1.00E-35
20 558 539	Phosphorus levels	1	21 496 799	rs1697421	1.00E-27
20 694 011	Immunoglobulin A	6	32 619 077	rs9271366	3.00E-33
20 045 101	CD4:CD8 lymphocyte ratio	6	31 284 619	rs2524054	2.00E-28
20 045 101	CD4:CD8 lymphocyte ratio	6	31 284 619	rs2524054	6.00E-21
20 694 011	Immunoglobulin A	6	32 638 107	rs2187668	2.00E-33
21 037 568	Hodgkin's lymphoma	6	32 460 508	rs6903608	3.00E-50
21 060 863	Retinal vascular caliber	19	48 725 015	rs2287921	2.00E-25
21 044 948	Parkinson's disease	17	46 003 698	rs8070723	7.00E-12
21 051 598	HIV-1 control	6	31 306 603	rs9264942	3.00E-35
21 051 598	HIV-1 control	6	31 359 287	rs2523590	2.00E-13
19 744 961	Folate pathway vitamin levels	1	21 459 575	rs4654748	4.00E-11
20 953 190	Psoriasis	6	111 352 511	rs240993	5.00E-20
21 298 027	Crohn's disease and celiac disease	2	60 990 407	rs10188217	1.00E-11
21 292 315	Parkinson's disease	17	45 637 484	rs2942168	1.00E-28
18 385 676	Lung cancer	15	78 513 681	rs8034191	3.00E-18
18 385 738	Lung cancer	15	78 513 681	rs8034191	5.00E-20
18 385 739	Nicotine dependence	15	78 601 997	rs1051730	6.00E-20
18 198 356	Type 1 diabetes	12	56 018 703	rs1701704	9.00E-10
17 804 836	Rheumatoid arthritis	9	120 927 961	rs3761847	4.00E-14
17 554 300	Type 1 diabetes	12	56 076 841	rs11171739	1.00E-11
17 554 260	Type 1 diabetes	12	56 088 396	rs2292239	2.00E-20

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**Supplementary Table SV Continued.**

<b>PUBMEDID</b>	<b>DISEASE.TRAIT</b>	<b>CHR_ID</b>	<b>CHR_POS</b>	<b>SNPS</b>	<b>P.VALUE</b>
18668548	Rheumatoid arthritis	6	32696074	rs6457617	1.00E-09
17554300	Rheumatoid arthritis	6	32696074	rs6457617	5.00E-75
18204098	Systemic lupus erythematosus	6	32638107	rs2187668	3.00E-21
18780872	Lung cancer	15	78513681	rs8034191	1.00E-08
18794853	Rheumatoid arthritis	6	32696222	rs6457620	4.00E-186
18836448	Ulcerative colitis	6	32463370	rs9268877	6.00E-18
18940312	Liver enzyme levels	1	21495264	rs1780324	7.00E-15
18978792	Type I diabetes	6	32636595	rs9272346	6.00E-129
18978792	Type I diabetes	12	56088396	rs2292239	3.00E-16
18978790	Lung cancer	15	78601997	rs1051730	1.00E-15
22197929	IgA nephropathy	6	29974166	rs2523946	2.00E-11
21886157	Metabolic traits	1	21494497	rs10799701	3.00E-20
21931564	Metabolite levels	10	98397096	rs7072216	8.00E-15
22286212	Hodgkin's lymphoma	6	32465390	rs2395185	4.00E-31
22367966	Vitamin B12 levels	13	99866380	rs41281112	9.00E-10
22396660	Nephrolithiasis	5	177371305	rs11746443	9.00E-12
22451204	Parkinson's disease	17	46779275	rs199515	3.00E-17
22504418	Intracranial volume	17	46109891	rs9303525	8.00E-15
17554300	Type I diabetes	6	32636595	rs9272346	5.00E-134
17558408	Celiac disease	6	32638107	rs2187668	1.00E-19
17632545	Type I diabetes	6	32700133	rs2647044	1.00E-16
17660530	Multiple sclerosis	6	32445274	rs3135388	9.00E-81
18758464	Inflammatory bowel disease	6	32601914	rs477515	1.00E-08
22561518	Vitiligo	12	56023144	rs2456973	3.00E-14
23420232	Chronic hepatitis C infection	6	32710820	rs4273729	5.00E-17
23511034	Ulcerative colitis	6	32619077	rs9271366	1.00E-18
23544013	Ovarian cancer in BRCA1 mutation carriers	17	45439036	rs17631303	1.00E-08
23544013	Ovarian cancer in BRCA1 mutation carriers	17	46710944	rs183211	3.00E-08
23544013	Ovarian cancer in BRCA1 mutation carriers	17	45439036	rs17631303	1.00E-08
23544013	Ovarian cancer in BRCA1 mutation carriers	17	46710944	rs183211	3.00E-08
21738480	White blood cell count	6	31274397	rs2524079	1.00E-11
23817571	Allergic sensitization	6	32658534	rs6906021	2.00E-12
23817571	Allergic sensitization	6	31386405	rs6932730	4.00E-08
23817569	Self-reported allergy	6	32658534	rs6906021	7.00E-15
23824729	Homocysteine levels	1	45513003	rs4660306	2.00E-09
25343990	Blood and toenail selenium levels	5	79129365	rs558133	6.00E-11
25352340	Iron status biomarkers (ferritin levels)	9	133278431	rs651007	1.00E-08
25101718	Pulmonary artery enlargement and chronic obstructive pulmonary disease	15	78575140	rs17486278	7.00E-10
21323541	Idiopathic membranous nephropathy	6	32638107	rs2187668	8.00E-93
21323541	Idiopathic membranous nephropathy	6	31133897	rs3130564	1.00E-42
19122664	Ulcerative colitis	6	32465390	rs2395185	1.00E-16
19198609	Myocardial infarction (early onset)	1	222650187	rs17465637	1.00E-09
19300482	Chronic obstructive pulmonary disease	15	78513681	rs8034191	1.00E-10
19303062	Folate pathway vitamin levels	1	21459575	rs4654748	8.00E-18

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**Supplementary Table SV Continued.**

<b>PUBMEDID</b>	<b>DISEASE.TRAIT</b>	<b>CHR_ID</b>	<b>CHR_POS</b>	<b>SNPS</b>	<b>P.VALUE</b>
19 430 480	Type I diabetes	12	56 088 396	rs2292239	2.00E-25
19 430 480	Type I diabetes	17	40 614 034	rs7221109	1.00E-09
19 430 482	Renal function and chronic kidney disease	15	45 406 595	rs2467853	6.00E-14
19 503 088	Rheumatoid arthritis	9	120 890 620	rs881375	4.00E-08
19 525 955	Multiple sclerosis	6	32 619 077	rs9271366	7.00E-184
19 525 953	Multiple sclerosis	6	32 445 274	rs3135388	4.00E-225
19 525 953	Multiple sclerosis	6	29 737 882	rs2523393	1.00E-17
19 664 746	Nasopharyngeal carcinoma	6	29 950 322	rs2517713	4.00E-20
19 654 303	Lung cancer	15	78 513 681	rs8034191	3.00E-26
19 729 612	Soluble E-selectin levels	9	133 278 724	rs579459	1.00E-29
19 801 982	Bone mineral density (spine)	17	45 727 828	rs9303521	1.00E-08
21 383 967	Celiac disease or Rheumatoid arthritis	9	120 878 222	rs1953126	4.00E-11
21 378 990	Coronary heart disease	9	133 278 724	rs579459	4.00E-14
21 297 633	Ulcerative colitis	2	60 977 721	rs7608910	2.00E-14
21 297 633	Ulcerative colitis	6	32 461 866	rs9268853	1.00E-55
21 297 633	Ulcerative colitis	2	218 145 423	rs11676348	1.00E-10
21 408 207	Systemic lupus erythematosus	6	32 638 107	rs2187668	6.00E-28
21 378 990	Coronary heart disease	1	222 650 187	rs17465637	1.00E-08
21 399 633	Nephropathy	6	32 713 854	rs9275596	2.00E-26
21 499 248	Hepatocellular carcinoma	6	32 711 222	rs9275572	6.00E-09
21 499 248	Hepatocellular carcinoma	6	31 398 818	rs2596542	4.00E-13
21 533 074	Follicular lymphoma	6	32 696 681	rs2647012	2.00E-21
21 570 397	Drug-induced liver injury (amoxicillin-clavulanate)	6	29 860 883	rs2523822	2.00E-10
21 623 375	Paget's disease	7	135 608 380	rs4294134	8.00E-10
21 685 912	Progressive supranuclear palsy	17	46 003 698	rs8070723	2.00E-118
21 699 788	Ulcerative colitis or Crohn's disease	6	32 619 077	rs9271366	2.00E-70
21 738 487	Parkinson's disease	17	45 846 317	rs12185268	3.00E-14
21 750 679	Systemic sclerosis	6	32 696 074	rs6457617	2.00E-37
24 651 765	Plasma homocysteine levels (post-methionine load test)	6	42 958 065	rs9296404	2.00E-63
24 768 677	Autoimmune hepatitis type- I	6	32 638 107	rs2187668	2.00E-78
24 390 342	Rheumatoid arthritis	12	56 001 170	rs773125	1.00E-10
24 390 342	Rheumatoid arthritis	12	56 001 170	rs773125	2.00E-08
24 390 342	Rheumatoid arthritis	6	32 460 995	rs9268839	1.00E-250
24 390 342	Rheumatoid arthritis	6	32 460 995	rs9268839	2.00E-145
24 390 342	Rheumatoid arthritis	9	120 873 843	rs10985070	5.00E-11
24 390 342	Rheumatoid arthritis	9	120 873 843	rs10985070	4.00E-09
24 390 342	Rheumatoid arthritis	6	32 460 995	rs9268839	1.00E-250
24 782 177	Rheumatoid arthritis	9	120 889 023	rs2072438	3.00E-09
23 720 494	Blood trace element (Se levels)	5	79 118 514	rs506500	8.00E-12
21 156 761	Rheumatoid arthritis	6	32 476 421	rs12194148	5.00E-58
23 770 605	Chronic lymphocytic leukemia	6	32 658 495	rs9273363	2.00E-10
24 064 335	Fat body mass	1	150 755 063	rs2230061	4.00E-08
24 094 242	Serum alkaline phosphatase levels	9	133 278 431	rs651007	1.00E-56
24 097 066	Sjögren's syndrome	6	32 623 176	rs9271588	9.00E-37
23 850 713	Crohn's disease	6	32 619 077	rs9271366	5.00E-12
24 429 156	Idiopathic pulmonary fibrosis	17	45 847 931	rs17690703	6.00E-09

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**Supplementary Table SV Continued.**

<b>PUBMEDID</b>	<b>DISEASE.TRAIT</b>	<b>CHR_ID</b>	<b>CHR_POS</b>	<b>SNPS</b>	<b>P.VALUE</b>
24 162 737	Alzheimer's disease (late onset)	6	32 610 753	rs9271192	3.00E-12
24 162 738	Hepatitis B	6	31 264 334	rs3130542	9.00E-14
24 047 826	Homoarginine levels	15	45 360 505	rs1153858	1.00E-45
22 751 097	Coronary heart disease	6	32 373 576	rs9268402	3.00E-15
22 693 459	Male-pattern baldness	17	45 846 853	rs12373124	5.00E-10
22 832 964	Smoking behavior	15	78 559 273	rs2036527	2.00E-08
22 672 568	Venous thromboembolism	9	133 279 294	rs495828	3.00E-16
22 797 724	Lung adenocarcinoma	6	32 400 310	rs3817963	3.00E-10
22 797 727	Renal function-related traits (BUN)	2	113 221 363	rs11123170	3.00E-10
22 885 925	Polycystic ovary syndrome	12	55 996 852	rs705702	9.00E-26
22 837 378	Airflow obstruction	15	78 523 715	rs8031948	3.00E-09
22 951 725	Vitiligo	12	56 007 301	rs10876864	8.00E-12
22 960 999	Esophageal cancer (squamous cell)	17	2 268 343	rs17761864	2.00E-11
23 666 240	Testicular germ cell tumor	21	46 270 154	rs2839186	1.00E-09
23 472 185	Multiple sclerosis (OCB status)	6	32 624 423	rs9271640	2.00E-20
23 472 185	Multiple sclerosis (OCB status)	6	32 695 854	rs3129720	5.00E-15
23 472 185	Multiple sclerosis (OCB status)	6	32 710 135	rs9275563	6.00E-11
23 563 607	Height	6	31 297 713	rs2247056	4.00E-12
19 836 008	Lung adenocarcinoma	15	78 601 997	rs1051730	2.00E-51
19 915 575	Parkinson's disease	17	45 641 777	rs393152	2.00E-16
19 915 575	Parkinson's disease	17	46 751 565	rs199533	1.00E-14
19 915 572	Ulcerative colitis	6	32 463 370	rs9268877	4.00E-23
19 915 573	Ulcerative colitis	6	32 465 390	rs2395185	5.00E-22
20 041 166	HIV-1 control	6	31 306 603	rs9264942	6.00E-32
20 041 166	HIV-1 control	6	31 306 603	rs9264942	6.00E-12
20 062 062	Ankylosing spondylitis	5	96 793 809	rs27434	5.00E-12
20 062 062	Ankylosing spondylitis	6	31 368 323	rs7743761	5.00E-304
20 066 004	Angiotensin-converting enzyme activity	9	133 279 294	rs495828	3.00E-08
20 147 318	E-selectin levels	9	133 278 431	rs651007	2.00E-82
20 167 578	Soluble levels of adhesion molecules	9	133 278 724	rs579459	2.00E-41
20 167 578	Soluble levels of adhesion molecules	9	133 278 860	rs649129	1.00E-15
20 190 752	Celiac disease	2	60 959 694	rs13003464	4.00E-13
20 190 752	Celiac disease	6	32 638 107	rs2187668	1.00E-50
20 228 798	Ulcerative colitis	6	32 465 058	rs9268923	4.00E-15
20 410 501	Vitiligo	6	29 974 306	rs3823355	9.00E-23
20 418 889	Smoking behavior	15	78 601 997	rs1051730	2.00E-66
20 418 888	Smoking behavior	15	78 601 997	rs1051730	2.00E-69
20 418 890	Smoking behavior	15	78 601 997	rs1051730	3.00E-73
20 383 147	Systemic sclerosis	6	32 696 074	rs6457617	4.00E-17
20 463 881	Eye color traits	17	81 629 785	rs9894429	9.00E-14
20 463 881	Eye color traits	21	37 118 795	rs1003719	2.00E-10
20 453 840	Multiple sclerosis	6	32 635 230	rs2040406	1.00E-20
20 598 377	Multiple sclerosis	6	32 619 077	rs9271366	4.00E-17
24 782 177	Rheumatoid arthritis	6	32 480 822	rs7748270	4.00E-13
24 782 177	Rheumatoid arthritis	6	32 480 822	rs7748270	1.00E-16

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**Supplementary Table SV Continued.**

<b>PUBMEDID</b>	<b>DISEASE.TRAIT</b>	<b>CHR_ID</b>	<b>CHR_POS</b>	<b>SNPS</b>	<b>P.VALUE</b>
24 586 186	Urinary metabolites (H-NMR features)	9	133 278 724	rs579459	1.00E-28
24 586 186	Urinary metabolites (H-NMR features)	9	133 278 724	rs579459	2.00E-32
24 586 186	Urinary metabolites (H-NMR features)	10	98 388 419	rs2147896	3.00E-164
24 586 186	Urinary metabolites (H-NMR features)	10	98 388 419	rs2147896	8.00E-30
24 586 186	Urinary metabolites (H-NMR features)	10	98 388 419	rs2147896	2.00E-55
24 586 186	Urinary metabolites (H-NMR features)	10	98 388 419	rs2147896	6.00E-19
24 586 186	Urinary metabolites (H-NMR features)	10	98 387 303	rs4345897	2.00E-19
24 586 186	Urinary metabolites (H-NMR features)	10	98 387 303	rs4345897	4.00E-12
24 586 186	Urinary metabolites (H-NMR features)	10	98 388 301	rs4539242	2.00E-20
24 586 186	Urinary metabolites (H-NMR features)	10	98 388 419	rs2147896	4.00E-34
24 586 186	Urinary metabolites (H-NMR features)	19	48 730 149	rs281408	4.00E-32
24 586 186	Urinary metabolites (H-NMR features)	19	48 725 015	rs2287921	3.00E-36
24 586 186	Urinary metabolites (H-NMR features)	19	48 725 015	rs2287921	1.00E-12
24 586 186	Urinary metabolites (H-NMR features)	19	48 725 015	rs2287921	7.00E-19
24 625 756	Serum metabolite levels	1	151 910 380	rs10788817	3.00E-13
24 816 252	Blood metabolite levels	1	45 618 711	rs1053941	5.00E-11
24 816 252	Blood metabolite levels	1	151 867 362	rs12566232	6.00E-19
24 816 252	Blood metabolite levels	9	133 278 431	rs651007	6.00E-20
24 816 252	Blood metabolite levels	10	98 399 379	rs4488133	0
24 816 252	Blood metabolite levels	10	98 399 379	rs4488133	1.00E-48
24 842 889	Parkinson's disease	17	46 110 126	rs17577094	8.00E-09
24 929 828	Lung function (forced vital capacity)	11	43 626 818	rs4237643	4.00E-08
24 871 463	Systemic lupus erythematosus	6	32 711 222	rs9275572	5.00E-16
24 816 252	Blood metabolite levels	1	151 886 412	rs6685187	3.00E-26
24 816 252	Blood metabolite ratios	1	21 496 799	rs1697421	2.00E-20
24 816 252	Blood metabolite ratios	1	21 496 799	rs1697421	3.00E-14
24 816 252	Blood metabolite ratios	1	151 958 169	rs6693388	4.00E-38
24 816 252	Blood metabolite ratios	9	133 278 860	rs649129	9.00E-37
24 816 252	Blood metabolite ratios	9	133 279 294	rs495828	6.00E-34
24 816 252	Blood metabolite ratios	9	133 278 724	rs579459	1.00E-28
21 833 088	Multiple sclerosis	22	21 776 836	rs2283792	5.00E-09
21 102 463	Crohn's disease	5	96 908 845	rs2549794	1.00E-10
21 102 463	Crohn's disease	2	60 997 124	rs10181042	7.00E-09
20 881 960	Height	6	32 696 222	rs6457620	2.00E-16
20 881 960	Height	6	31 412 752	rs2256183	8.00E-29
22 504 420	Bone mineral density	17	45 900 461	rs1864325	5.00E-11
20 139 978	Hematological and biochemical traits	9	133 279 294	rs495828	4.00E-59
20 139 978	Hematological and biochemical traits	9	133 279 294	rs495828	1.00E-11
20 139 978	Hematological and biochemical traits	9	133 279 294	rs495828	6.00E-10
20 139 978	Red blood cell count	9	133 279 294	rs495828	3.00E-12
23 028 483	Asthma	6	32 411 712	rs9268516	1.00E-08
27 225 129	Educational attainment (college completion)	12	56 023 144	rs2456973	2.00E-09
27 669 027	Emphysema distribution in smoking	15	78 510 527	rs9788721	5.00E-10
27 669 027	Emphysema distribution in smoking	15	78 510 527	rs9788721	7.00E-12
27 927 781	Serum parathyroid hormone levels	5	177 370 342	rs4074995	3.00E-23

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**Supplementary Table SV Continued.**

PUBMEDID	DISEASE.TRAIT	CHR_ID	CHR_POS	SNPS	P.VALUE
27611488	Adult asthma	6	31120368	rs3095318	2.00E-11
24262325	Coronary artery disease or ischemic stroke	9	133278724	rs579459	2.00E-09
24262325	Coronary artery disease or large artery stroke	9	133278724	rs579459	3.00E-08
24282030	Hepatitis B vaccine response	6	32601914	rs477515	3.00E-19
24376798	Chronic hepatitis C infection	6	32711222	rs9275572	4.00E-16
24149102	Hodgkin's lymphoma	6	32460508	rs6903608	5.00E-27
24097068	Cholesterol, total	20	35564866	rs2277862	5.00E-11
23128233	Crohn's disease	6	31306603	rs9264942	5.00E-28
23143601	Lung cancer	6	32465390	rs2395185	1.00E-08
23047291	Response to temozolomide	10	129627758	rs477692	1.00E-08
23144326	Chronic obstructive pulmonary disease-related biomarkers	10	80028348	rs12220777	7.00E-11
23144326	Chronic obstructive pulmonary disease-related biomarkers	6	31272654	rs2074488	2.00E-10
23273568	Systemic lupus erythematosus	6	32606214	rs9270984	5.00E-24
23222517	Red blood cell traits	9	133278724	rs579459	9.00E-18
23284291	Pulmonary function (smoking interaction)	16	75356418	rs2865531	2.00E-08
23300138	Tumor biomarkers	15	43544280	rs2251844	1.00E-14
23281178	Metabolite levels	10	98387303	rs4345897	2.00E-91
23181788	Asthma	6	32636595	rs9272346	2.00E-08
23321320	Hepatitis C induced liver cirrhosis	6	32400310	rs3817963	1.00E-08
23321320	Hepatitis C induced liver cirrhosis	6	32433302	rs3129860	1.00E-09
23349640	Lymphoma	6	32614112	rs4530903	2.00E-08
23381943	End-stage coagulation	9	133278431	rs651007	2.00E-25
27005778	Metabolite levels (small molecules and protein measures)	15	45354085	rs61524473	1.00E-15
20383146	Chronic kidney disease	15	45349027	rs2453533	5.00E-22
27669027	Emphysema distribution in smoking	15	78608359	rs138544659	1.00E-14
27588450	Glomerular filtration rate	15	45420141	rs2486288	2.00E-08
27588450	Glomerular filtration rate	5	177379635	rs35716097	2.00E-17
27588450	Glomerular filtration rate	15	45420141	rs2486288	5.00E-12
27588450	Glomerular filtration rate	5	177379635	rs35716097	4.00E-09
27286809	C-reactive protein levels or total cholesterol levels (pleiotropy)	6	32700546	rs2858310	4.00E-12
27286809	C-reactive protein levels or LDL-cholesterol levels (pleiotropy)	6	32695512	rs9275292	3.00E-08
27286809	C-reactive protein levels or LDL-cholesterol levels (pleiotropy)	19	48725015	rs2287921	3.00E-08
27286809	C-reactive protein levels or HDL-cholesterol levels (pleiotropy)	6	32477914	rs9378212	7.00E-10
27225129	Educational attainment (years of education)	7	72782785	rs11976020	4.00E-08
27225129	Educational attainment (years of education)	12	56023144	rs2456973	6.00E-16
26785701	Waist-to-hip ratio adjusted for body mass index	6	32482312	rs5020946	1.00E-09
26785701	Waist-to-hip ratio adjusted for body mass index	6	32482312	rs5020946	4.00E-08
26819262	Epstein Barr virus nuclear antigen I IgG levels	6	32465058	rs9268923	1.00E-11
26819262	Epstein Barr virus nuclear antigen I IgG levels	6	32465058	rs9268923	1.00E-11
26819262	Epstein Barr virus nuclear antigen I IgG levels	6	32465058	rs9268923	1.00E-13

(Continued)

**Supplementary Table SV Continued.**

<b>PUBMEDID</b>	<b>DISEASE.TRAIT</b>	<b>CHR_ID</b>	<b>CHR_POS</b>	<b>SNPS</b>	<b>P.VALUE</b>
26 831 199	Glomerular filtration rate in non diabetics (creatinine)	15	45 349 027	rs2453533	5.00E-41
28 282 560	Carotid plaque burden	10	102 727 625	rs2902548	2.00E-08
28 232 668	Nonsyndromic cleft lip with cleft palate	12	56 041 628	rs705704	1.00E-09
28 166 213	Lung function (FEV1/FVC)	16	75 433 123	rs3743609	4.00E-10
28 598 434	Renal cell carcinoma	3	40 491 752	rs67311347	3.00E-08
28 067 908	Ulcerative colitis	5	177 361 569	rs4976646	4.00E-08
28 067 908	Inflammatory bowel disease	2	60 977 721	rs7608910	3.00E-28
28 067 908	Inflammatory bowel disease	5	96 917 099	rs1363907	1.00E-10
28 067 908	Inflammatory bowel disease	5	177 361 569	rs4976646	4.00E-09
28 158 719	White blood cell count (lymphocyte)	6	31 272 944	rs2249742	4.00E-08
28 158 719	White blood cell count (lymphocyte)	6	31 274 397	rs2524079	2.00E-08
28 158 719	White blood cell count	6	31 274 397	rs2524079	2.00E-08
28 165 464	Chronic lymphocytic leukemia	6	32 610 350	rs9271176	3.00E-20
28 166 215	Chronic obstructive pulmonary disease	15	78 575 140	rs17486278	2.00E-28
27 494 321	Chronotype	2	54 127 790	rs1075265	4.00E-08
27 494 321	Morning vs. evening chronotype	2	54 127 790	rs1075265	4.00E-08
28 041 642	Giant cell arteritis	6	32 464 300	rs9268905	2.00E-54
27 659 466	QRS complex (12-leadsum)	17	45 949 373	rs242562	2.00E-14
27 182 965	Tonsillectomy	9	133 279 427	rs635634	9.00E-09
28 017 375	Hematocrit	9	133 279 294	rs495828	3.00E-09
28 017 375	Hematocrit	9	133 278 431	rs651007	7.00E-17
28 017 375	Hemoglobin levels	9	133 279 294	rs495828	2.00E-10
28 017 375	Hemoglobin levels	9	133 279 294	rs495828	1.00E-19
28 017 375	Red blood cell count	9	133 278 724	rs579459	4.00E-11
28 017 375	Red blood cell count	17	45 749 271	rs12150672	4.00E-09
28 017 375	Red blood cell count	9	133 279 294	rs495828	1.00E-08
27 182 965	Parkinson's disease	17	45 628 235	rs365825	4.00E-32
26 634 245	Post bronchodilator FEV1	15	78 606 661	rs56077333	5.00E-18
26 634 245	Post bronchodilator FEV1	15	78 594 605	rs4887067	5.00E-15
26 634 245	Post bronchodilator FEV1	15	78 574 103	rs140330585	1.00E-15
26 634 245	Post bronchodilator FEV1	15	78 586 199	rs951266	1.00E-15
26 634 245	Post bronchodilator FEV1	15	78 570 111	rs7172118	2.00E-15
26 634 245	Post bronchodilator FEV1	15	78 585 039	rs56390833	2.00E-15
26 634 245	Post bronchodilator FEV1	15	78 593 856	rs8192482	6.00E-15
26 634 245	Post bronchodilator FEV1	15	78 590 583	rs16969968	6.00E-15
26 634 245	Post bronchodilator FEV1	15	78 576 294	rs72740964	8.00E-15
26 634 245	Post bronchodilator FEV1	15	78 601 997	rs1051730	2.00E-15
26 634 245	Post bronchodilator FEV1	15	78 569 722	rs11633958	3.00E-14
26 634 245	Post bronchodilator FEV1	15	78 523 715	rs8031948	3.00E-15
26 634 245	Post bronchodilator FEV1	15	78 557 437	rs72740955	1.00E-14
26 634 245	Post bronchodilator FEV1	15	78 535 744	rs72738786	8.00E-14
26 634 245	Post bronchodilator FEV1	15	78 559 273	rs2036527	9.00E-15
26 634 245	Post bronchodilator FEV1	15	78 619 330	rs4243084	8.00E-14
25 305 756	IgA nephropathy	6	32 692 101	rs9275224	6.00E-30
25 305 756	IgA nephropathy	6	32 692 101	rs9275224	6.00E-18

(Continued)

**Supplementary Table SV Continued.**

<b>PUBMEDID</b>	<b>DISEASE.TRAIT</b>	<b>CHR_ID</b>	<b>CHR_POS</b>	<b>SNPS</b>	<b>P.VALUE</b>
25 305 756	IgA nephropathy	6	32 692 101	rs9275224	8.00E-14
25 305 756	IgA nephropathy	6	32 702 531	rs2856717	1.00E-15
25 305 756	IgA nephropathy	6	32 702 531	rs2856717	5.00E-10
25 305 756	IgA nephropathy	6	32 713 854	rs9275596	3.00E-31
25 305 756	IgA nephropathy	6	32 713 854	rs9275596	2.00E-15
25 305 756	IgA nephropathy	6	32 713 854	rs9275596	1.00E-19
25 710 614	Peanut allergy	6	32 713 854	rs9275596	6.00E-11
25 607 358	Subcortical brain region volumes	17	45 816 350	rs8072451	1.00E-08
25 903 422	Psoriasis	6	111 352 511	rs240993	1.00E-08
26 028 593	IgA nephropathy	11	44 066 439	rs2074038	4.00E-09
26 028 593	IgA nephropathy	6	29 974 166	rs2523946	5.00E-11
26 077 951	Corticobasal degeneration	17	45 641 777	rs393152	1.00E-12
25 574 825	Psoriasis	6	111 352 511	rs240993	1.00E-14
25 574 825	Inflammatory skin disease	1	152 189 630	rs12130219	1.00E-23
25 574 825	Inflammatory skin disease	19	48 737 757	rs380743	4.00E-22
20 228 799	Ulcerative colitis	2	60 959 694	rs13003464	7.00E-09
20 228 799	Ulcerative colitis	6	32 465 390	rs2395185	9.00E-23
26 030 696	Emphysema imaging phenotypes	15	78 606 590	rs55676755	2.00E-09
26 831 199	Chronic kidney disease	15	45 406 595	rs2467853	2.00E-11
26 068 415	Acylcarnitine levels	1	151 934 697	rs10494270	5.00E-13
26 831 199	Glomerular filtration rate (creatinine)	15	45 406 595	rs2467853	1.00E-42
26 959 369	S-phenylmercapturic acid levels in smokers	22	23 921 902	rs6003958	2.00E-46
25 961 943	Cholesterol, total	20	35 537 447	rs6579245	1.00E-08
26 077 951	Corticobasal degeneration	17	45 846 317	rs12185268	1.00E-09
26 582 766	LDL cholesterol	9	133 278 724	rs579459	6.00E-13
26 582 766	Cholesterol, total	9	133 278 724	rs579459	3.00E-10
27 285 765	Cervical cancer	6	32 616 804	rs73730372	3.00E-19
26 525 574	Collagenous colitis	6	32 638 107	rs2187668	2.00E-11
26 343 387	Myocardial infarction	1	222 638 065	rs35700460	2.00E-11
27 501 781	EGFR mutation-positive lung adenocarcinoma	6	32 400 310	rs3817963	1.00E-16
26 198 764	Schizophrenia	6	32 668 221	rs9274623	6.00E-19
26 192 919	Ulcerative colitis	6	32 611 258	rs9271209	2.00E-85
26 192 919	Ulcerative colitis	2	60 977 721	rs7608910	1.00E-23
26 192 919	Ulcerative colitis	5	177 361 569	rs4976646	3.00E-09
26 192 919	Ulcerative colitis	2	218 286 495	rs2382817	2.00E-08
26 192 919	Crohn's disease	6	31 306 603	rs9264942	5.00E-25
26 192 919	Crohn's disease	2	60 977 721	rs7608910	3.00E-23
26 192 919	Crohn's disease	5	96 917 099	rs1363907	4.00E-16
26 192 919	Crohn's disease	2	218 286 495	rs2382817	4.00E-09
26 192 919	Crohn's disease	5	177 361 569	rs4976646	3.00E-08
26 192 919	Inflammatory bowel disease	2	60 977 721	rs7608910	3.00E-36
26 192 919	Inflammatory bowel disease	5	150 943 866	rs17800987	2.00E-31
26 192 919	Inflammatory bowel disease	2	218 256 940	rs11677953	3.00E-15
26 192 919	Inflammatory bowel disease	5	96 917 099	rs1363907	5.00E-15
26 192 919	Inflammatory bowel disease	5	177 361 569	rs4976646	3.00E-12

(Continued)



**Supplementary Table SV Continued.**

<b>PUBMEDID</b>	<b>DISEASE.TRAIT</b>	<b>CHR_ID</b>	<b>CHR_POS</b>	<b>SNPS</b>	<b>P.VALUE</b>
26 272 126	Kidney stones	5	177 367 190	rs12654812	6.00E-11
26 343 387	Coronary artery disease	1	222 650 401	rs67180937	1.00E-12
26 316 170	Systemic lupus erythematosus	6	32 638 107	rs2187668	1.00E-09
26 316 170	Systemic lupus erythematosus	6	32 689 659	rs3129716	4.00E-09
26 198 764	Schizophrenia	6	28 338 894	rs13217619	2.00E-29
26 634 245	Pre bronchodilator FEV1	15	78 559 273	rs2036527	2.00E-09
26 634 245	Pre bronchodilator FEV1	15	78 601 997	rs1051730	2.00E-09
26 634 245	Pre bronchodilator FEV1	15	78 590 583	rs16969968	2.00E-09
26 634 245	Pre bronchodilator FEV1	15	78 586 199	rs951266	2.00E-09
26 634 245	Pre bronchodilator FEV1	15	78 513 681	rs8034191	3.00E-09
26 634 245	Pre bronchodilator FEV1	15	78 533 838	rs931794	4.00E-09
26 634 245	Pre bronchodilator FEV1 /FVC ratio	15	78 601 997	rs1051730	9.00E-11
26 634 245	Pre bronchodilator FEV1 /FVC ratio	15	78 590 583	rs16969968	2.00E-10
26 634 245	Pre bronchodilator FEV1 /FVC ratio	15	78 513 681	rs8034191	2.00E-10
26 634 245	Pre bronchodilator FEV1 /FVC ratio	15	78 586 199	rs951266	2.00E-10
26 634 245	Pre bronchodilator FEV1 /FVC ratio	15	78 533 838	rs931794	8.00E-10
26 634 245	Pre bronchodilator FEV1 /FVC ratio	15	78 559 273	rs2036527	4.00E-10
26 634 245	Post bronchodilator FEV1 /FVC ratio	15	78 606 661	rs56077333	1.00E-19
26 634 245	Post bronchodilator FEV1 /FVC ratio	15	78 574 103	rs140330585	5.00E-17
26 634 245	Post bronchodilator FEV1 /FVC ratio	15	78 570 111	rs7172118	6.00E-17
26 634 245	Post bronchodilator FEV1 /FVC ratio	15	78 590 583	rs16969968	1.00E-15
26 634 245	Post bronchodilator FEV1 /FVC ratio	15	78 594 605	rs4887067	3.00E-15
26 634 245	Post bronchodilator FEV1 /FVC ratio	15	78 593 856	rs8192482	3.00E-15
26 634 245	Post bronchodilator FEV1 /FVC ratio	15	78 601 997	rs1051730	1.00E-16
26 634 245	Post bronchodilator FEV1 /FVC ratio	15	78 586 199	rs951266	2.00E-16
26 634 245	Post bronchodilator FEV1 /FVC ratio	15	78 576 294	rs72740964	7.00E-16
26 634 245	Post bronchodilator FEV1 /FVC ratio	15	78 585 039	rs56390833	7.00E-16
26 634 245	Post bronchodilator FEV1 /FVC ratio	15	78 557 437	rs72740955	7.00E-16
26 634 245	Post bronchodilator FEV1 /FVC ratio	15	78 569 722	rs11633958	1.00E-14
26 634 245	Post bronchodilator FEV1 /FVC ratio	15	78 559 273	rs2036527	7.00E-16
26 634 245	Post bronchodilator FEV1 /FVC ratio	15	78 523 715	rs8031948	3.00E-15
26 634 245	Post bronchodilator FEV1 /FVC ratio	15	78 535 744	rs72738786	4.00E-14
26 634 245	Post bronchodilator FEV1 /FVC ratio	15	78 619 330	rs4243084	2.00E-14
26 634 245	Post bronchodilator FEV1 /FVC ratio	15	78 533 838	rs931794	4.00E-11
26 634 245	Post bronchodilator FEV1	15	78 533 838	rs931794	2.00E-11
26 634 245	Post bronchodilator FEV1	15	78 521 704	rs10519203	6.00E-12
26 634 245	Post bronchodilator FEV1	15	78 510 527	rs9788721	2.00E-14
26 634 245	Post bronchodilator FEV1	15	78 603 787	rs1317286	3.00E-14
26 634 245	Post bronchodilator FEV1	15	78 513 681	rs8034191	1.00E-13
26 634 245	Post bronchodilator FEV1	15	78 565 644	rs55781567	7.00E-15
26 634 245	Post bronchodilator FEV1	15	78 556 692	rs58365910	7.00E-15
26 634 245	Post bronchodilator FEV1	15	78 509 052	rs11852372	3.00E-13
26 634 245	Post bronchodilator FEV1	15	78 525 587	rs8042849	4.00E-15
26 634 245	Post bronchodilator FEV1	15	78 565 597	rs55853698	7.00E-14
26 634 245	Post bronchodilator FEV1	15	78 572 855	rs17486195	2.00E-15

(Continued)

**Supplementary Table SV Continued.**

PUBMEDID	DISEASE.TRAIT	CHR_ID	CHR_POS	SNPS	P.VALUE
26 634 245	Post bronchodilator FEV1	15	78 581 651	rs7180002	1.00E-15
25 673 412	Waist-to-hip ratio adjusted for body mass index	6	32 413 959	rs7759742	4.00E-11
25 673 412	Waist-to-hip ratio adjusted for body mass index	6	32 413 959	rs7759742	2.00E-11
23 128 233	Inflammatory bowel disease	5	96 917 099	rs1363907	6.00E-13
23 128 233	Inflammatory bowel disease	2	60 977 721	rs7608910	9.00E-32
23 128 233	Inflammatory bowel disease	2	218 286 495	rs2382817	4.00E-12
23 128 233	Inflammatory bowel disease	5	177 367 190	rs12654812	2.00E-08
26 301 688	Pediatric autoimmune diseases	12	56 002 984	rs1689510	4.00E-09
28 448 500	Waist-to-hip ratio adjusted for body mass index	6	32 480 621	rs9378213	4.00E-08
27 863 252	Eosinophil percentage of white cells	6	29 832 434	rs12662618	5.00E-16
27 863 252	Eosinophil percentage of white cells	6	30 102 205	rs1111180	4.00E-37
27 863 252	Eosinophil percentage of white cells	6	31 415 134	rs1882	5.00E-19
27 863 252	Eosinophil percentage of white cells	6	32 619 436	rs28383314	7.00E-27
27 863 252	Eosinophil percentage of white cells	12	56 007 301	rs10876864	4.00E-14
27 863 252	Eosinophil counts	12	56 055 651	rs7302200	3.00E-13
27 863 252	Eosinophil counts	6	32 619 436	rs28383314	1.00E-60
27 863 252	Eosinophil counts	6	29 967 473	rs3893464	8.00E-55
25 006 744	Local histogram emphysema pattern	15	78 575 140	rs17486278	8.00E-13
25 006 744	Local histogram emphysema pattern	15	78 510 527	rs9788721	2.00E-13
25 006 744	Local histogram emphysema pattern	15	78 509 052	rs11852372	2.00E-10
25 064 009	Parkinson's disease	17	45 917 282	rs17649553	2.00E-48
24 920 014	Hodgkin's lymphoma	6	32 460 508	rs6903608	7.00E-31
25 186 300	Antinuclear antibody levels	6	32 465 390	rs2395185	1.00E-11
25 147 783	Vitamin B levels in ischemic stroke	1	21 496 799	rs1697421	7.00E-10
25 102 180	Type 2 diabetes	6	31 379 674	rs2244020	7.00E-09
25 006 744	Local histogram emphysema pattern	15	78 575 140	rs17486278	5.00E-10
25 006 744	Local histogram emphysema pattern	15	78 510 527	rs9788721	1.00E-12
25 231 870	Menarche (age at onset)	6	29 954 963	rs16896742	3.00E-10
27 997 041	Ischemic stroke	9	133 279 427	rs635634	5.00E-09
28 076 899	Sjögren's syndrome	6	32 622 724	rs9271573	3.00E-42
28 076 899	Sjögren's syndrome	7	128 939 612	rs3823536	3.00E-14
28 076 899	Sjögren's syndrome	6	32 622 724	rs9271573	3.00E-34
28 076 899	Sjögren's syndrome	7	128 939 612	rs3823536	7.00E-11
25 673 412	Hip circumference adjusted for BMI	6	31 384 854	rs7741091	2.00E-08
25 673 412	Hip circumference adjusted for BMI	9	120 731 784	rs7044106	6.00E-09
28 067 908	Crohn's disease	5	96 917 099	rs1363907	1.00E-14
28 067 908	Crohn's disease	2	60 977 721	rs7608910	6.00E-14
28 067 908	Ulcerative colitis	2	60 977 721	rs7608910	4.00E-23
23 326 239	Epstein-Barr virus immune response (EBNA-1)	6	32 601 914	rs477515	3.00E-13
23 349 640	Lymphoma	6	32 614 112	rs4530903	3.00E-12
23 349 640	Lymphoma	6	32 461 866	rs9268853	2.00E-10
23 349 640	Lymphoma	6	32 700 323	rs2647045	4.00E-10
23 472 185	Multiple sclerosis (OCB status)	6	32 400 310	rs3817963	6.00E-10
23 535 967	Glomerular filtration rate	15	45 426 989	rs17536527	8.00E-10

(Continued)

**Supplementary Table SV Continued.**

PUBMEDID	DISEASE.TRAIT	CHR_ID	CHR_POS	SNPS	P.VALUE
23 535 730	Ovarian cancer	8	81 741 409	rs11782652	6.00E-09
23 535 730	Ovarian cancer	8	81 741 409	rs11782652	7.00E-10
23 482 656	Cervical cancer	6	31 422 633	rs2516448	4.00E-18
23 417 110	Beta-2 microglubulin plasma levels	6	31 270 541	rs9264638	2.00E-23
23 583 980	Interstitial lung disease	17	45 979 401	rs1981997	9.00E-14
23 636 237	Dietary macronutrient intake	19	48 745 473	rs838145	4.00E-10
25 282 103	Height	6	31 304 484	rs6457374	8.00E-35
25 282 103	Height	20	35 844 748	rs2425163	3.00E-52
25 607 358	Subcortical brain region volumes	17	45 829 462	rs17689882	8.00E-09
25 616 667	Immunoglobulin G index levels in multiple sclerosis	6	32 696 074	rs6457617	7.00E-17
25 616 667	Oligoclonal band status in multiple sclerosis	6	32 624 423	rs9271640	5.00E-12
28 642 124	Huntington's disease progression	5	80 619 201	rs1232027	1.00E-10
27 863 252	Sum eosinophil basophil counts	12	55 991 020	rs705699	5.00E-12
27 863 252	Sum eosinophil basophil counts	6	32 619 436	rs28383314	9.00E-64
27 863 252	Sum eosinophil basophil counts	6	29 967 473	rs3893464	7.00E-54
27 863 252	Sum neutrophil eosinophil counts	6	32 623 176	rs9271588	4.00E-66
27 863 252	Sum neutrophil eosinophil counts	6	31 274 397	rs2524079	6.00E-68
27 863 252	Sum neutrophil eosinophil counts	9	133 279 427	rs635634	1.00E-19
27 863 252	Sum basophil neutrophil counts	6	32 623 176	rs9271588	2.00E-58
27 863 252	Sum basophil neutrophil counts	6	31 274 397	rs2524079	2.00E-68
27 863 252	Sum basophil neutrophil counts	9	133 279 427	rs635634	4.00E-19
27 863 252	Eosinophil percentage of granulocytes	6	29 832 434	rs12662618	1.00E-17
27 863 252	Eosinophil percentage of granulocytes	6	30 102 205	rs1111180	2.00E-35
27 863 252	Eosinophil percentage of granulocytes	12	56 007 301	rs10876864	1.00E-11
28 443 625	Waist-to-hip ratio adjusted for BMI (adjusted for smoking behaviour)	6	32 413 959	rs7759742	1.00E-09
28 443 625	Waist-to-hip ratio adjusted for BMI (adjusted for smoking behaviour)	6	31 268 790	rs1049281	1.00E-18
28 443 625	Waist-to-hip ratio adjusted for BMI in non-smokers	6	31 268 790	rs1049281	2.00E-08
27 863 252	Granulocyte count	6	31 274 397	rs2524079	9.00E-69
27 863 252	Granulocyte count	6	32 623 176	rs9271588	2.00E-66
27 863 252	Granulocyte count	9	133 279 427	rs635634	5.00E-20
27 863 252	Granulocyte percentage of myeloid white cells	1	150 602 219	rs11204677	1.00E-39
27 863 252	Granulocyte percentage of myeloid white cells	6	31 266 717	rs9264533	4.00E-33
27 863 252	Hematocrit	6	29 949 108	rs9260313	1.00E-15
27 863 252	Hematocrit	17	45 733 706	rs17563683	2.00E-28
27 863 252	Hemoglobin concentration	1	45 607 817	rs2230657	3.00E-13
25 574 825	Inflammatory skin disease	6	111 261 682	rs9487605	1.00E-16
25 574 825	Inflammatory skin disease	6	111 352 511	rs240993	6.00E-18
25 574 825	Inflammatory skin disease	12	56 042 145	rs1131017	4.00E-08
25 581 431	Epithelial ovarian cancer	8	81 741 409	rs11782652	3.00E-10
25 581 431	Epithelial ovarian cancer	17	46 710 944	rs183211	2.00E-13
25 827 949	Cutaneous lupus erythematosus	6	32 638 107	rs2187668	4.00E-10
25 827 949	Cutaneous lupus erythematosus	6	31 133 897	rs3130564	4.00E-10
22 412 388	Crohn's disease	2	60 959 694	rs13003464	5.00E-09

(Continued)

**Supplementary Table SV Continued.**

<b>PUBMEDID</b>	<b>DISEASE.TRAIT</b>	<b>CHR_ID</b>	<b>CHR_POS</b>	<b>SNPS</b>	<b>P.VALUE</b>
25 673 413	Body mass index	11	43 842 728	rs2176598	3.00E-08
25 673 413	Body mass index	11	43 842 728	rs2176598	3.00E-08
24 076 602	Multiple sclerosis	22	21 776 836	rs2283792	6.00E-16
28 892 062	Body mass index	17	36 558 947	rs12150665	5.00E-11
25 751 625	Breast cancer	5	82 242 227	rs7707921	5.00E-11
28 928 442	Chickenpox	6	30 072 514	rs10947050	1.00E-10
28 928 442	Chickenpox	6	31 475 135	rs79501286	2.00E-09
28 928 442	Chickenpox	6	31 352 732	rs9266089	1.00E-10
28 928 442	Childhood ear infection	6	32 436 600	rs3129868	6.00E-10
29 093 273	GIP levels in response to oral glucose tolerance test (120 minutes)	9	133 279 427	rs635634	7.00E-14
29 196 614	Nodular sclerosis Hodgkin lymphoma	6	32 473 323	rs9269081	2.00E-39
27 618 452	Systolic blood pressure	9	120 824 459	rs10760117	6.00E-10
27 618 452	Diastolic blood pressure	6	32 638 107	rs2187668	4.00E-11
29 212 778	Coronary artery disease	5	9 552 226	rs17263917	2.00E-12
29 212 778	Coronary artery disease	16	75 428 157	rs12930452	1.00E-15
29 212 778	Coronary artery disease	9	133 279 294	rs495828	9.00E-12
29 212 778	Coronary artery disease	1	222 664 597	rs17465982	9.00E-28
29 212 778	Coronary artery disease	1	222 650 187	rs17465637	8.00E-31
29 212 778	Coronary artery disease	5	9 556 582	rs1508798	5.00E-13
29 212 778	Coronary artery disease	5	56 903 375	rs832540	2.00E-08
29 212 778	Coronary artery disease	16	75 298 143	rs4888378	6.00E-15
29 212 778	Coronary artery disease	11	43 675 367	rs7116641	1.00E-08
29 212 778	Coronary artery disease	5	9 545 986	rs112941079	4.00E-13
29 255 261	Neuroticism	17	45 733 530	rs77804065	8.00E-26
29 255 261	Neuroticism	17	46 021 601	rs17652520	1.00E-25
29 255 261	Neuroticism	17	45 876 353	rs2214258	2.00E-25
29 255 261	Neuroticism	17	45 610 951	rs28768976	1.00E-25
29 255 261	Neuroticism	17	45 496 053	rs62065453	2.00E-24
29 255 261	Neuroticism	17	46 274 021	rs2732708	2.00E-23
29 255 261	Neuroticism	17	46 696 417	rs199441	3.00E-20
29 255 261	Neuroticism	17	46 797 087	rs1563304	3.00E-10
26 651 848	Sarcoidosis (non-Lofgren's syndrome)	6	32 481 634	rs1964995	3.00E-32
26 414 677	Menopause (age at onset)	17	43 093 449	rs1799949	8.00E-11
26 414 677	Menopause (age at onset)	19	22 324 903	rs7259376	4.00E-08
28 892 059	Parkinson's disease	17	45 917 282	rs17649553	1.00E-68
28 869 591	Heel bone mineral density	6	29 951 332	rs9260426	3.00E-11
28 869 591	Heel bone mineral density	10	121 947 868	rs10749436	3.00E-10
28 869 591	Heel bone mineral density	6	29 951 332	rs9260426	2.00E-08
23 749 187	Ankylosing spondylitis	6	29 975 879	rs2394250	8.00E-51
24 076 602	Multiple sclerosis	5	177 361 569	rs4976646	4.00E-18
24 076 602	Multiple sclerosis	3	121 824 730	rs1920296	7.00E-22
27 863 252	Mean platelet volume	1	112 567 997	rs1001494	2.00E-13
27 863 252	Mean platelet volume	1	171 675 446	rs236907	1.00E-13
27 863 252	Mean platelet volume	2	218 229 211	rs17572109	4.00E-15
27 863 252	Mean platelet volume	9	239 313	rs471756	4.00E-09

(Continued)

**Supplementary Table SV Continued.**

<b>PUBMEDID</b>	<b>DISEASE.TRAIT</b>	<b>CHR_ID</b>	<b>CHR_POS</b>	<b>SNPS</b>	<b>P.VALUE</b>
27 863 252	Mean platelet volume	11	838 722	rs6762	8.00E-09
27 863 252	Mean platelet volume	19	48 728 969	rs2287922	1.00E-11
27 863 252	Reticulocyte count	2	218 274 217	rs4791	2.00E-16
27 863 252	Reticulocyte count	6	29 854 655	rs58005484	2.00E-20
27 863 252	Reticulocyte count	17	46 115 252	rs4606752	1.00E-17
27 863 252	Neutrophil count	6	31 274 397	rs2524079	1.00E-67
27 863 252	Neutrophil count	6	32 623 176	rs9271588	1.00E-58
27 863 252	Neutrophil count	9	133 279 427	rs635634	8.00E-19
27 863 252	Neutrophil percentage of granulocytes	6	29 832 434	rs12662618	5.00E-15
27 863 252	Neutrophil percentage of granulocytes	12	56 007 301	rs10876864	7.00E-11
27 863 252	Plateletcrit	17	2 254 480	rs12943566	5.00E-33
27 863 252	Platelet count	1	25 409 878	rs111941366	6.00E-32
27 863 252	Platelet count	1	112 659 795	rs2932536	2.00E-21
27 863 252	Platelet count	2	218 229 211	rs17572109	7.00E-19
27 863 252	Platelet distribution width	1	25 409 878	rs111941366	4.00E-13
27 863 252	Platelet distribution width	1	112 611 778	rs7546094	9.00E-31
27 863 252	Platelet distribution width	1	171 766 897	rs6689125	6.00E-23
27 863 252	Platelet distribution width	2	218 229 211	rs17572109	6.00E-26
27 863 252	Platelet distribution width	6	31 415 134	rs1882	1.00E-19
27 863 252	Red cell distribution width	2	218 276 735	rs4674280	2.00E-13
27 863 252	White blood cell count	6	31 274 397	rs2524079	2.00E-126
27 863 252	White blood cell count	6	32 482 312	rs5020946	1.00E-94
27 863 252	White blood cell count	9	133 279 427	rs635634	2.00E-20
27 863 252	High light scatter reticulocyte count	2	218 274 217	rs4791	9.00E-16
27 863 252	High light scatter reticulocyte count	17	46 115 252	rs4606752	2.00E-16
29 326 435	Intelligence (MTAG)	6	79 113 207	rs9443645	6.00E-10
29 326 435	Intelligence (MTAG)	12	56 007 301	rs10876864	2.00E-12
29 326 435	Intelligence (MTAG)	17	45 753 572	rs17426174	6.00E-11
29 326 435	Intelligence (MTAG)	17	46 722 680	rs7224296	5.00E-09
29 326 435	Intelligence (MTAG)	17	46 785 767	rs916888	2.00E-08
29 397 368	Headache	17	45 733 530	rs77804065	6.00E-15
29 397 368	Headache	16	75 292 035	rs1011121	1.00E-08
28 928 442	Tuberculosis	6	32 710 069	rs4947344	1.00E-24
28 928 442	Shingles	6	29 197 260	rs114224598	6.00E-09
28 928 442	Shingles	6	29 094 774	rs115166140	1.00E-09
28 928 442	Shingles	6	31 477 787	rs17206973	2.00E-22
28 928 442	Shingles	6	29 872 466	rs2523815	2.00E-22
28 928 442	Shingles	6	30 118 645	rs9261431	2.00E-19
28 928 442	Shingles	6	31 200 620	rs9263868	4.00E-21
28 928 442	Shingles	6	29 973 654	rs9295825	3.00E-18
28 928 442	Shingles	6	28 928 998	rs9468445	4.00E-09
28 928 442	Tonsillectomy	6	32 482 803	rs35957722	4.00E-10
28 928 442	Tonsillectomy	9	133 279 427	rs635634	8.00E-09
26 634 245	Post bronchodilator FEV1/FVC ratio	15	78 521 704	rs10519203	2.00E-12
26 634 245	Post bronchodilator FEV1/FVC ratio	15	78 510 527	rs9788721	2.00E-14
26 634 245	Post bronchodilator FEV1/FVC ratio	15	78 603 787	rs1317286	3.00E-14

(Continued)

**Supplementary Table SV Continued.**

<b>PUBMEDID</b>	<b>DISEASE.TRAIT</b>	<b>CHR_ID</b>	<b>CHR_POS</b>	<b>SNPS</b>	<b>P.VALUE</b>
26 634 245	Post bronchodilator FEV1 /FVC ratio	15	78 513 681	rs8034191	6.00E-14
26 634 245	Post bronchodilator FEV1 /FVC ratio	15	78 556 692	rs58365910	1.00E-15
26 634 245	Post bronchodilator FEV1 /FVC ratio	15	78 525 587	rs8042849	3.00E-15
26 634 245	Post bronchodilator FEV1 /FVC ratio	15	78 565 644	rs55781567	6.00E-15
26 634 245	Post bronchodilator FEV1 /FVC ratio	15	78 509 052	rs11852372	1.00E-13
26 634 245	Post bronchodilator FEV1 /FVC ratio	15	78 581 651	rs7180002	1.00E-16
26 634 245	Post bronchodilator FEV1 /FVC ratio	15	78 572 855	rs17486195	1.00E-16
26 634 245	Post bronchodilator FEV1 /FVC ratio	15	78 565 597	rs55853698	1.00E-14
26 634 245	Post bronchodilator FEV1 /FVC ratio	15	78 575 140	rs17486278	4.00E-20
26 634 245	Post bronchodilator FEV1 /FVC ratio	15	78 606 590	rs55676755	2.00E-19
26 634 245	Post bronchodilator FEV1 /FVC ratio	15	78 613 835	rs146009840	2.00E-16
26 634 245	Post bronchodilator FEV1 /FVC ratio	15	78 608 359	rs138544659	8.00E-17
23 143 594	Psoriasis	5	96 916 885	rs2910686	2.00E-08
23 143 594	Psoriasis	6	31 387 342	rs13437088	3.00E-40
28 886 342	Dupuytren's disease	16	75 472 695	rs977987	5.00E-10
24 097 067	Sjögren's syndrome	6	32 440 720	rs3135394	5.00E-113
22 961 000	Primary biliary cirrhosis	7	128 939 148	rs3807307	4.00E-09
22 961 000	Primary biliary cirrhosis	17	45 929 235	rs17564829	2.00E-09
28 960 316	Colorectal cancer	2	218 290 058	rs992157	2.00E-09
23 143 596	Rheumatoid arthritis	7	128 940 626	rs3807306	7.00E-10
23 143 596	Rheumatoid arthritis (ACPA-positive)	7	128 940 626	rs3807306	5.00E-10
23 143 596	Rheumatoid arthritis (ACPA-positive)	9	120 921 291	rs2269060	2.00E-08
23 603 761	Juvenile idiopathic arthritis (oligoarticular or rheumatoid factor-negative polyarticular)	5	97 021 474	rs27293	7.00E-09
28 898 252	Glycated hemoglobin levels	9	133 278 724	rs579459	9.00E-09
27 863 252	Reticulocyte fraction of red cells	2	218 274 217	rs4791	3.00E-18
28 394 258	Aortic root size	16	75 359 454	rs17696696	3.00E-10
27 723 757	Vitiligo	4	101 302 229	rs1031034	3.00E-08
26 974 007	Chronic inflammatory diseases (ankylosing spondylitis, Crohn's disease, psoriasis, primary sclerosing cholangitis, ulcerative colitis) (pleiotropy)	2	60 977 721	rs7608910	2.00E-32
26 974 007	Chronic inflammatory diseases (ankylosing spondylitis, Crohn's disease, psoriasis, primary sclerosing cholangitis, ulcerative colitis) (pleiotropy)	2	218 145 423	rs11676348	2.00E-11
26 974 007	Chronic inflammatory diseases (ankylosing spondylitis, Crohn's disease, psoriasis, primary sclerosing cholangitis, ulcerative colitis) (pleiotropy)	5	96 916 885	rs2910686	2.00E-21
25 608 926	Alopecia areata	6	32 707 332	rs9275524	2.00E-60
25 608 926	Alopecia areata	12	56 088 396	rs2292239	4.00E-09
22 057 235	Celiac disease	2	60 959 694	rs13003464	4.00E-16
28 199 695	Perceived unattractiveness to mosquitoes	6	32 701 241	rs1612904	1.00E-08
28 199 695	Itch intensity from mosquito bite	6	32 632 226	rs3104376	2.00E-28
28 199 695	Mosquito bite size	6	32 465 192	rs9268925	1.00E-23
28 199 695	Mosquito bite size	6	32 704 312	rs3134995	4.00E-26
28 199 695	Itch intensity from mosquito bite adjusted by bite size	6	31 411 527	rs2853977	1.00E-10
28 199 695	Itch intensity from mosquito bite adjusted by bite size	6	32 701 241	rs1612904	1.00E-13

(Continued)

**Supplementary Table SV Continued.**

<b>PUBMEDID</b>	<b>DISEASE.TRAIT</b>	<b>CHR_ID</b>	<b>CHR_POS</b>	<b>SNPS</b>	<b>P.VALUE</b>
19 838 195	Systemic lupus erythematosus	6	34 856 859	rs11755393	2.00E-08
19 838 195	Systemic lupus erythematosus	6	32 440 720	rs3135394	2.00E-60
28 240 269	Blood protein levels	9	133 278 431	rs651007	4.00E-44
28 240 269	Blood protein levels	2	272 203	rs11553746	1.00E-257
28 240 269	Blood protein levels	20	35 762 744	rs2425143	4.00E-73
28 240 269	Blood protein levels	5	96 802 179	rs26496	6.00E-123
28 240 269	Blood protein levels	6	31 422 007	rs2844511	4.00E-119
28 240 269	Blood protein levels	3	46 575 847	rs3806701	4.00E-145
28 240 269	Blood protein levels	9	133 278 431	rs651007	1.00E-96
28 240 269	Blood protein levels	9	133 278 431	rs651007	3.00E-19
28 240 269	Blood protein levels	9	133 278 431	rs651007	8.00E-11
28 240 269	Blood protein levels	9	133 278 431	rs651007	7.00E-13
28 240 269	Blood protein levels	9	133 278 431	rs651007	1.00E-31
28 240 269	Blood protein levels	9	133 278 431	rs651007	5.00E-12
28 240 269	Blood protein levels	9	133 278 431	rs651007	7.00E-13
28 240 269	Blood protein levels	9	133 278 431	rs651007	8.00E-09
28 240 269	Blood protein levels	2	254 215	rs17713879	2.00E-215
28 240 269	Blood protein levels			rs3869132	1.00E-91
28 240 269	Blood protein levels	1	150 706 557	rs1336900	1.00E-19
28 240 269	Blood protein levels	6	32 698 749	rs1794282	3.00E-19
28 604 730	Lung adenocarcinoma	15	78 565 644	rs55781567	3.00E-48
28 566 273	Type 2 diabetes	9	133 279 427	rs635634	2.00E-08
28 566 273	Type 2 diabetes	11	43 856 384	rs1061810	4.00E-10
28 714 975	Coronary artery disease (myocardial infarction, percutaneous transluminal coronary angioplasty, coronary artery bypass grafting, angina or chronic ischemic heart disease)	1	222 650 401	rs67180937	9.00E-14
27 989 323	Stem cell growth factor beta levels	5	177 404 118	rs17876031	2.00E-09
21 829 393	Type 1 diabetes	12	56 088 396	rs2292239	3.00E-27
21 829 393	Type 1 diabetes	12	56 018 703	rs1701704	5.00E-18
25 521 368	Circulating chemerin levels	7	150 316 304	rs7806429	8.00E-14
25 521 368	Circulating chemerin levels	7	150 353 338	rs10259796	2.00E-10
28 520 984	Smoking status (heavy vs light)	15	78 601 997	rs1051730	2.00E-08
27 863 252	Neutrophil percentage of white cells	1	150 678 699	rs11800059	9.00E-19
27 863 252	Basophil percentage of white cells	6	31 412 752	rs2256183	1.00E-09
28 604 731	Chronotype	2	54 127 790	rs1075265	1.00E-08
28 240 269	Blood protein levels	6	31 289 734	rs2853928	3.00E-12
28 240 269	Blood protein levels	6	28 301 047	rs33932084	4.00E-16
28 240 269	Blood protein levels	9	133 278 431	rs651007	6.00E-26
28 240 269	Blood protein levels	9	133 278 431	rs651007	7.00E-15
28 240 269	Blood protein levels	9	133 278 431	rs651007	1.00E-29
28 240 269	Blood protein levels	9	133 278 431	rs651007	5.00E-11
28 240 269	Blood protein levels	9	133 278 431	rs651007	3.00E-12
28 240 269	Blood protein levels	9	133 278 431	rs651007	3.00E-13
28 240 269	Blood protein levels	1	45 681 140	rs6662572	6.00E-11

(Continued)

**Supplementary Table SV Continued.**

<b>PUBMEDID</b>	<b>DISEASE.TRAIT</b>	<b>CHR_ID</b>	<b>CHR_POS</b>	<b>SNPS</b>	<b>P.VALUE</b>
28334899	LDL cholesterol levels	9	133278724	rs579459	7.00E-13
28334899	LDL cholesterol levels	9	133278724	rs579459	2.00E-51
28334899	LDL cholesterol levels	9	133278724	rs579459	2.00E-09
28334899	Total cholesterol levels	9	133278724	rs579459	7.00E-13
28334899	Total cholesterol levels	9	133278724	rs579459	4.00E-49
28334899	Total cholesterol levels	20	35566823	rs7264396	4.00E-12
28334899	Total cholesterol levels	9	133278724	rs579459	5.00E-10
28292921	Urinary 1,3-butadiene metabolite levels in smokers	22	23897951	rs5760092	3.00E-09
28452372	Glomerular filtration rate (creatinine)	15	45349027	rs2453533	3.00E-43
28135244	Pulse pressure	2	20682080	rs2289081	6.00E-12
27020472	Spherical equivalent (joint analysis main effects and education interaction)	2	286756	rs60843830	4.00E-08
27020472	Spherical equivalent (joint analysis main effects and education interaction)	2	286756	rs60843830	1.00E-09
27393504	Lung cancer	15	78565644	rs55781567	1.00E-09
27863252	Hemoglobin concentration	6	29949108	rs9260313	1.00E-15
27863252	Hemoglobin concentration	6	31274306	rs2524081	5.00E-11
27863252	Hemoglobin concentration	17	45733706	rs17563683	3.00E-26
27863252	Lymphocyte counts	2	113216055	rs2019137	4.00E-11
27863252	Lymphocyte counts	9	120922814	rs1014530	9.00E-11
27863252	Lymphocyte percentage of white cells	17	46112492	rs76640332	5.00E-13
27863252	Myeloid white cell count	6	31272944	rs2249742	5.00E-71
27863252	Myeloid white cell count	6	31306521	rs9264941	6.00E-44
27863252	Myeloid white cell count	6	32623176	rs9271588	9.00E-68
27863252	Myeloid white cell count	9	133279427	rs635634	8.00E-23
27863252	Monocyte percentage of white cells	1	150602219	rs11204677	3.00E-41
28443625	Waist-to-hip ratio adjusted for BMI (joint analysis main effects and smoking interaction)	6	31268790	rs1049281	2.00E-10
28443625	Waist-to-hip ratio adjusted for BMI (joint analysis main effects and smoking interaction)	6	32413959	rs7759742	1.00E-08
27989323	Macrophage Migration Inhibitory Factor levels	22	23908608	rs2330634	5.00E-10
29059683	Breast cancer	17	46788237	rs199498	2.00E-08
29059683	Breast cancer	6	28106103	rs34662244	3.00E-09
29059683	Breast cancer	6	27873148	rs45509595	5.00E-09
29059683	Breast cancer	17	45394123	rs4763	2.00E-08
29059683	Breast cancer	17	45941122	rs62061734	8.00E-12
29058716	Breast cancer	8	220692	rs66823261	3.00E-08
29058716	Breast cancer (estrogen-receptor negative)	8	220692	rs66823261	6.00E-09
29146897	Male-pattern baldness	17	45988374	rs919462	1.00E-26
29186694	Cognitive ability	17	46085231	rs8080583	1.00E-08
29186694	Cognitive ability (MTAG)	12	56023144	rs2456973	1.00E-08
29186694	Cognitive ability (MTAG)	17	45913906	rs17563986	5.00E-12
28135244	Systolic blood pressure	1	88894475	rs10922502	2.00E-15
28031287	Cerebrospinal fluid biomarker levels	3	46559030	rs6783573	1.00E-15
28031287	Cerebrospinal fluid biomarker levels	6	31386783	rs13437082	1.00E-10
28031287	Cerebrospinal fluid biomarker levels	2	285471	rs17714252	5.00E-09

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**Supplementary Table SV Continued.**

PUBMEDID	DISEASE.TRAIT	CHR_ID	CHR_POS	SNPS	P.VALUE
29 617 998	Intraocular pressure	1	88 878 573	rs10127863	9.00E-10
29 617 998	Intraocular pressure	1	88 805 891	rs786906	5.00E-09
26 426 971	Waist-to-hip ratio adjusted for BMI x sex x age interaction (4df test)	6	32 413 959	rs7759742	2.00E-12
26 426 971	Body mass index	17	36 558 947	rs12150665	3.00E-13
26 426 971	Body mass index	11	43 620 580	rs4755726	7.00E-09
26 426 971	Body mass index	11	43 842 728	rs2176598	1.00E-08
29 662 059	Depression (broad)	6	27 878 966	rs483143	8.00E-12
29 662 059	Depression (broad)	6	28 092 461	rs13197574	1.00E-11
29 083 406	Allergic disease (asthma, hay fever or eczema)	5	177 355 217	rs13153019	1.00E-08
29 083 406	Allergic disease (asthma, hay fever or eczema)	6	31 355 235	rs2854001	1.00E-19
29 083 406	Allergic disease (asthma, hay fever or eczema)	9	120 888 256	rs10760123	5.00E-09
29 083 406	Allergic disease (asthma, hay fever or eczema)	12	56 007 301	rs10876864	1.00E-19
23 749 187	Ankylosing spondylitis	5	96 916 885	rs2910686	5.00E-17
29 030 599	Parental lifespan	6	32 622 991	rs34831921	4.00E-08
29 030 599	Parental lifespan	15	78 525 587	rs8042849	4.00E-14
29 059 683	Breast cancer	5	82 242 227	rs7707921	2.00E-12
29 059 683	Breast cancer	5	81 972 251	rs111549985	6.00E-12
28 604 728	Testicular germ cell tumor	21	46 270 154	rs2839186	7.00E-12
27 863 252	Monocyte count	2	218 323 178	rs1870125	1.00E-16
27 863 252	Monocyte count	18	79 712 436	rs12458462	8.00E-09
28 604 730	Lung cancer	6	27 901 014	rs13199649	2.00E-10
28 604 730	Lung cancer	6	28 314 117	rs34661125	2.00E-12
28 604 730	Lung cancer	15	78 565 644	rs55781567	3.00E-103
28 604 730	Squamous cell lung carcinoma	6	27 916 234	rs13218875	2.00E-10
28 604 730	Squamous cell lung carcinoma	6	28 282 402	rs34878803	4.00E-11
28 604 730	Small cell lung carcinoma	15	78 565 597	rs55853698	5.00E-21
28 604 730	Lung cancer in ever smokers	6	27 916 234	rs13218875	1.00E-08
28 604 730	Lung cancer in ever smokers	6	28 106 103	rs34662244	2.00E-09
28 604 730	Lung cancer in ever smokers	6	28 336 607	rs67340775	7.00E-10
28 604 730	Lung cancer in ever smokers	15	78 565 644	rs55781567	2.00E-78
29 212 778	Coronary artery disease	16	75 408 245	rs8046696	2.00E-16
29 212 778	Coronary artery disease	1	222 656 208	rs35158675	6.00E-28
29 273 806	Asthma	6	32 636 595	rs9272346	6.00E-24
29 273 806	Asthma	6	32 636 595	rs9272346	2.00E-28
27 618 448	Diastolic blood pressure	6	78 945 760	rs10943605	3.00E-09
29 521 573	Neutralising antibody response to interferon beta therapy in multiple sclerosis (presence of antibodies)	6	32 614 145	rs522308	2.00E-15
29 534 301	Response to hepatitis B vaccine	6	32 696 555	rs7745040	2.00E-10
29 691 431	Hand grip strength	6	34 825 347	rs9469899	3.00E-15
29 691 431	Hand grip strength	6	29 938 536	rs453325	2.00E-08
29 691 431	Hand grip strength	17	45 849 924	rs17769552	2.00E-08
29 545 352	Urinary metabolite concentrations in chronic kidney disease	1	151 982 754	rs6587640	9.00E-09
29 545 352	Urinary metabolite ratios in chronic kidney disease	1	151 967 388	rs6657658	1.00E-12
29 545 352	Serum metabolite concentrations in chronic kidney disease	1	151 907 285	rs28415528	4.00E-09

(Continued)

**Supplementary Table SV Continued.**

<b>PUBMEDID</b>	<b>DISEASE.TRAIT</b>	<b>CHR_ID</b>	<b>CHR_POS</b>	<b>SNPS</b>	<b>P.VALUE</b>
26651848	Sarcoidosis (non-Lofgren's syndrome without extrapulmonary manifestations)	6	32481634	rs1964995	4.00E-15
28921602	Hepatocellular carcinoma in hepatitis C infection	6	32699985	rs2856723	3.00E-43
26651848	Sarcoidosis (Lofgren's syndrome vs non-Lofgren's syndrome)	6	28092461	rs13197574	3.00E-17
26651848	Sarcoidosis (Lofgren's syndrome vs non-Lofgren's syndrome)	6	32440720	rs3135394	3.00E-33
26651848	Sarcoidosis (Lofgren's syndrome vs non-Lofgren's syndrome)	6	32638107	rs2187668	5.00E-36
29404672	Random C-peptide levels in type I diabetes	6	32700662	rs3135002	3.00E-08
29617998	Intraocular pressure	11	791462	rs4963153	2.00E-24
29617998	Intraocular pressure	11	780827	rs4963156	4.00E-23
24532676	Rheumatoid arthritis (ACPA-positive)	9	120900340	rs10760126	4.00E-12
29808027	Myopia (age of diagnosis)	12	9282648	rs1549426	2.00E-08
29455858	Systolic blood pressure x smoking status (current vs non-current) interaction (2df test)	16	75409285	rs4888411	2.00E-18
29455858	Systolic blood pressure x smoking status (current vs non-current) interaction (2df test)	16	75409285	rs4888411	2.00E-12
29455858	Systolic blood pressure x smoking status (ever vs never) interaction (2df test)	16	75409285	rs4888411	1.00E-18
29455858	Systolic blood pressure x smoking status (ever vs never) interaction (2df test)	16	75409285	rs4888411	1.00E-12
30012571	Childhood steroid-sensitive nephrotic syndrome	6	32689766	rs4642516	7.00E-13
29844566	Reaction time	17	45949373	rs242562	2.00E-09
29844566	Reaction time	17	45985237	rs6503453	3.00E-09
29844566	Reaction time	17	45998697	rs2471738	6.00E-15
30054594	Intraocular pressure	17	46759851	rs199529	4.00E-08
30061737	Atrial fibrillation	2	61242991	rs11125871	6.00E-09
30061737	Atrial fibrillation	17	46797087	rs1563304	3.00E-12
29844566	General cognitive ability	6	28121953	rs66886492	2.00E-15
29844566	General cognitive ability	17	45948522	rs242559	1.00E-13
29844566	General cognitive ability	12	56034024	rs1702877	6.00E-12
29844566	General cognitive ability	17	45987897	rs713522	1.00E-11
29844566	General cognitive ability	17	45704381	rs1724425	7.00E-11
29844566	General cognitive ability	17	45900480	rs28646281	1.00E-10
29844566	General cognitive ability	17	45705974	rs1526123	2.00E-10
29844566	General cognitive ability	17	46788073	rs2074404	2.00E-10
29844566	General cognitive ability	6	26796028	rs2451729	4.00E-10
29844566	General cognitive ability	20	35839270	rs2425161	1.00E-09
29844566	General cognitive ability	17	45998697	rs2471738	2.00E-09
29844566	General cognitive ability	6	29964515	rs2523933	2.00E-09
29844566	General cognitive ability	15	82552642	rs3850610	3.00E-09
29844566	General cognitive ability	17	45777136	rs12938031	6.00E-09
29844566	General cognitive ability	17	45779092	rs35076622	6.00E-09
29844566	General cognitive ability	17	45383525	rs61572747	1.00E-08
29844566	General cognitive ability	6	29967628	rs3893463	2.00E-08
29844566	General cognitive ability	17	45977330	rs754593	2.00E-08

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**Supplementary Table SV Continued.**

<b>PUBMEDID</b>	<b>DISEASE.TRAIT</b>	<b>CHR_ID</b>	<b>CHR_POS</b>	<b>SNPS</b>	<b>P.VALUE</b>
29 844 566	General cognitive ability	6	30 092 264	rs3132681	2.00E-08
29 844 566	General cognitive ability	6	29 966 245	rs6914699	3.00E-08
29 844 566	General cognitive ability	17	46 006 582	rs8067056	3.00E-08
29 403 010	Serum alkaline phosphatase levels	1	21 468 895	rs1827293	2.00E-106
29 403 010	Gamma glutamyl transferase levels	22	23 914 707	rs5996631	8.00E-42
29 403 010	Prothrombin time	1	94 785 004	rs7521392	1.00E-10
29 767 774	Current cigarettes per day in chronic obstructive pulmonary disease	15	78 593 856	rs8192482	2.00E-15
29 531 354	Ischemic stroke	9	133 279 427	rs635634	9.00E-09
29 777 097	Alzheimer's disease or family history of Alzheimer's disease	6	32 610 753	rs9271192	7.00E-10
29 892 016	Prostate cancer	6	34 825 347	rs9469899	5.00E-09
25 817 017	Giant cell arteritis	6	32 601 914	rs477515	4.00E-40
29 899 525	Accelerometer-based physical activity measurement (average acceleration)	17	45 767 194	rs55657917	5.00E-12
27 386 562	Multiple sclerosis	6	32 632 598	rs3104373	1.00E-234
29 892 016	Prostate cancer	2	20 678 393	rs9306895	3.00E-21
29 892 016	Prostate cancer	6	30 105 999	rs7767188	2.00E-08
26 362 759	Idiopathic inflammatory myopathy	6	32 427 949	rs3129843	9.00E-133
26 362 759	Dermatomyositis or juvenile dermatomyositis	6	32 427 949	rs3129843	2.00E-48
29 942 086	Intelligence	20	35 632 068	rs78084033	2.00E-08
29 942 086	Intelligence	15	82 144 163	rs4778665	4.00E-09
29 942 086	Intelligence	15	82 734 974	rs8028130	3.00E-09
23 093 944	Serum metabolite levels	9	133 278 431	rs651007	1.00E-15
23 093 944	Serum metabolite levels	10	98 399 379	rs4488133	2.00E-281
23 093 944	Serum metabolite levels	10	98 399 379	rs4488133	1.00E-27
29 769 526	Neuromyelitis optica	6	32 615 876	rs28383224	8.00E-11
29 769 526	Neuromyelitis optica	6	32 615 876	rs28383224	6.00E-12
29 773 799	Menarche (age at onset)	17	43 093 449	rs1799949	3.00E-08
29 875 488	Blood protein levels	12	29 367 773	rs10128781	9.00E-25
29 403 010	Mean corpuscular volume	10	102 727 625	rs2902548	6.00E-10
29 403 010	Creatinine levels	2	113 209 498	rs11123169	5.00E-14
29 403 010	Glomerular filtration rate	2	113 209 498	rs11123169	2.00E-15
29 403 010	Glomerular filtration rate	5	177 380 196	rs12659266	3.00E-16
29 403 010	Phosphorus levels	5	177 379 635	rs35716097	2.00E-23
29 403 010	Phosphorus levels	1	21 490 592	rs1106357	7.00E-18
29 875 488	Blood protein levels	15	69 267 001	rs11854180	8.00E-245
29 875 488	Blood protein levels	1	88 946 689	rs12144640	3.00E-12
29 875 488	Blood protein levels	19	35 739 273	rs12459634	6.00E-100
29 875 488	Blood protein levels	20	35 630 751	rs12481228	2.00E-146
29 875 488	Blood protein levels	12	6 463 025	rs12964	0
29 875 488	Blood protein levels	6	31 296 356	rs2524139	2.00E-52
29 875 488	Blood protein levels	6	31 295 745	rs2524142	3.00E-22
29 875 488	Blood protein levels	6	31 295 733	rs2524143	2.00E-52
29 875 488	Blood protein levels	12	6 455 044	rs2532497	0
29 875 488	Blood protein levels	4	17 518 443	rs28719835	1.00E-94

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**Supplementary Table SV Continued.**

<b>PUBMEDID</b>	<b>DISEASE.TRAIT</b>	<b>CHR_ID</b>	<b>CHR_POS</b>	<b>SNPS</b>	<b>P.VALUE</b>
29 875 488	Blood protein levels	5	96 916 728	rs2927608	0
29 875 488	Blood protein levels	5	96 794 311	rs469735	6.00E-308
29 875 488	Blood protein levels	9	133 279 427	rs635634	1.00E-11
29 875 488	Blood protein levels	9	133 279 427	rs635634	3.00E-33
29 875 488	Blood protein levels	9	133 279 427	rs635634	1.00E-13
29 875 488	Blood protein levels	9	133 279 427	rs635634	4.00E-80
29 875 488	Blood protein levels	9	133 279 427	rs635634	5.00E-13
29 875 488	Blood protein levels	9	133 279 427	rs635634	6.00E-21
29 875 488	Blood protein levels	9	133 279 427	rs635634	2.00E-19
29 875 488	Blood protein levels	9	133 279 427	rs635634	3.00E-19
29 875 488	Blood protein levels	9	133 279 427	rs635634	7.00E-18
29 875 488	Blood protein levels	9	133 279 427	rs635634	3.00E-40
29 875 488	Blood protein levels	6	31 304 484	rs6457374	2.00E-34
29 875 488	Blood protein levels	3	46 576 229	rs6769392	0
29 875 488	Blood protein levels	2	277 003	rs79716074	0
29 875 488	Blood protein levels	6	31 303 299	rs9264845	3.00E-16
29 875 488	Blood protein levels	1	52 607 725	rs946155	2.00E-61
29 875 488	Blood protein levels	1	88 916 981	rs9787133	3.00E-12
29 875 488	Blood protein levels	17	50 547 162	rs9890200	9.00E-24
30 019 117	Adolescent idiopathic scoliosis	4	119 337 052	rs1814813	2.00E-09
30 019 117	Adolescent idiopathic scoliosis	4	170 258 789	rs17629735	2.00E-08
30 019 117	Adolescent idiopathic scoliosis	7	76 587 304	rs11505688	4.00E-08
30 019 117	Adolescent idiopathic scoliosis	22	25 479 606	rs5996945	1.00E-08
29 785 010	Intraocular pressure	6	32 619 436	rs28383314	3.00E-09
29 785 010	Intraocular pressure	17	46 758 936	rs9912530	2.00E-10
30 108 127	Body mass index	11	43 620 580	rs4755726	1.00E-10
30 108 127	Body mass index	11	43 842 728	rs2176598	1.00E-09
30 104 567	Lung cancer	15	78 601 997	rs1051730	3.00E-49
30 104 567	Lung cancer in ever smokers	15	78 601 997	rs1051730	3.00E-52
27 029 810	Mortality	15	78 521 704	rs10519203	2.00E-17
30 220 432	Urinary albumin excretion (no hypertensive medication)	15	45 428 399	rs16943246	1.00E-08
30 048 462	Heel bone mineral density	1	88 715 162	rs167365	2.00E-16
30 048 462	Heel bone mineral density	2	159 250 108	rs113193373	2.00E-15
30 048 462	Heel bone mineral density	2	218 291 184	rs2382818	6.00E-09
30 048 462	Heel bone mineral density	6	26 093 798	rs2858996	7.00E-10
30 048 462	Heel bone mineral density	9	133 279 427	rs635634	8.00E-34
30 048 462	Heel bone mineral density	10	129 481 527	rs12254582	3.00E-20
30 048 462	Heel bone mineral density	12	29 355 709	rs10843391	1.00E-12
30 048 462	Heel bone mineral density	17	45 873 610	rs10491140	3.00E-26
30 048 462	Heel bone mineral density	17	50 556 996	rs6504675	1.00E-09
30 048 462	Heel bone mineral density	6	29 951 332	rs9260426	6.00E-27
30 048 462	Heel bone mineral density	10	121 947 868	rs10749436	6.00E-18
30 150 663	Cannabis use	17	2 203 796	rs17761723	3.00E-08