Title: White blood cells and severe COVID-19: a Mendelian randomization study

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Table S2. 401 SNPs significantly associated with white blood cell count used IVs in forward MR analyses derived from Vuckovic D et al. Chr: Chromosome; EA:

Effect allele; NEA: Non-effect allele; EAF: Effect allele frequency.

		-				- allele		
SNP	Chr	Pos	EΑ	NEA	EAF	Beta	SE	P-value
rs4908508	1	8800780	С	T	0.206	0.028	0.003	5.3e-27
rs111877086	1	9702591	С	Т	0.192	-0.019	0.003	2.5e-12
rs284317	1	10731625	G	Α	0.495	0.019	0.002	2e-18
rs10917107	1	22329414	Α	G	0.690	-0.015	0.002	1.7e-10
rs60918921	1	23850590	Α	С	0.618	-0.020	0.002	5.6e-20
rs71638504	1	27327822	Α	G	0.056	-0.030	0.005	3.4e-10
rs3762297	1	31231680	Т	С	0.183	0.026	0.003	6e-22
rs3917932	1	36943916	Ġ	C	0.577	-0.044	0.002	1.6e-95
rs11800162	1	36970512	Ť	Č	0.020	0.053	0.008	4.6e-12
rs3754224	1	43423622	Ċ	Ť	0.269	-0.016	0.002	4.2e-11
rs9429088	1	46497500	Ä	Ť	0.435	-0.022	0.002	3.4e-25
rs12121236	1	56617911	A	Ċ	0.352	0.015	0.002	7.6e-12
rs11208712	1	66148652	C	Ť	0.356	-0.044	0.002	4.6e-89
rs61780038	1	67487376	A	Ċ	0.559	-0.018	0.002	1.2e-14
rs41313381	1	79411968	A	C	0.031	0.050	0.002	6.8e-17
rs150649461	1	92925654	Ĉ	G	0.015	0.065	0.009	4.9e-13
rs56674564	1	101097718	C	T	0.354	-0.016	0.003	1.8e-12
rs6696259	1	101037710	C	Ġ	0.334	0.020	0.002	7.7e-21
rs9429767	1	110496087	A	G	0.410	0.020	0.002	6.5e-11
rs2476601	1	114377568	Ğ	A	0.198	0.018	0.003	8.1e-50
rs4970996	1	150506589	C	G	0.751	0.032	0.004	2.7e-09
		156110167	T	C	0.751			
rs568035 rs34599082	1		T T	C	0.004	-0.032	0.004	1.8e-13
	1	159175494				-0.165	0.009	2.6e-73
rs11587213	1	161184875	G	A	0.183	-0.019	0.003	1.5e-12
rs192123799	1	161608301	C	T	0.125	-0.034	0.003	1.4e-24
rs4657690	1	167601061	A	G	0.576	0.013	0.002	5e-10
rs3795503	1	180905694	T	С	0.315	-0.016	0.002	2.1e-12
rs1779807	1	182164250	T	C	0.333	0.014	0.002	1.9e-10
rs41272536	1	183440531	G	A	0.046	-0.033	0.005	1.2e-10
rs10494783	1	198663661	Α	G	0.051	-0.047	0.005	3.6e-22
rs1060286	1	207250300	A	G	0.611	0.013	0.002	6.9e-10
rs4844390	1	207934849	G	A	0.222	-0.025	0.003	1.2e-23
rs10916617	1	224637070	Ţ	С	0.212	0.026	0.003	3.5e-23
rs2615061	1	225895806	Α	G	0.116	-0.029	0.003	5.8e-18
rs7552783	1	227174145	С	T	0.512	-0.017	0.002	9.2e-14
rs533483	1	234765256	Α	G	0.246	-0.017	0.002	3.3e-11
rs9970896	1	236104981	T	Α	0.888	-0.060	0.003	8.2e-71
rs34298354	1	247588053	Т	С	0.122	-0.025	0.003	6.8e-15
rs56188865	1	247606276	С	Т	0.372	-0.026	0.002	1.1e-32
rs1469217	2	12950124	С	Т	0.493	0.019	0.002	3.1e-19
rs4632345	2	16702654	Α	G	0.678	-0.015	0.002	1.7e-10
rs377110161	2	23963462	G	Α	0.128	0.036	0.003	2.9e-29
rs1260326	2	27730940	С	Т	0.606	-0.033	0.002	3.1e-53
rs1509396	2	28612213	С	G	0.507	0.013	0.002	7.8e-10
rs935655	2	46067445	G	Т	0.762	0.016	0.002	1.7e-10
rs75475627	2	54787592	G	С	0.076	0.035	0.004	6.5e-18
rs2421200	2	61711815	Τ	G	0.487	-0.022	0.002	3e-26
rs7569257	2	65656976	Α	G	0.409	0.026	0.002	3e-33
rs4599108	2	85543222	Τ	С	0.486	-0.018	0.002	1.3e-16
rs7575217	2	101776932	G	Α	0.673	0.023	0.002	9.2e-24
rs7370196	2	102297387	С	Т	0.685	0.016	0.002	4.9e-12
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rs13011687	2	102535941	С	Α	0.257	0.014	0.002	2.3e-09
rs35898589	2	112915809	G	Α	0.048	0.031	0.005	4.1e-10
rs55709272	2	113867288	С	Т	0.437	0.035	0.002	6.7e-61
rs77524493	2	128618594	Τ	Α	0.029	0.041	0.007	1.7e-10
rs79716587	2	143886819	Α	G	0.126	-0.036	0.003	1.7e-29
rs3856364	2	145477217	G	C	0.681	0.015	0.002	1.3e-10
rs62173240	2	160352482	Ā	Ğ	0.023	-0.054	0.007	7.4e-14
rs2729707	2	160687231	G	Ä	0.832	-0.032	0.003	1.5e-29
rs2068330	2	163237390	Ğ	C	0.358	0.019	0.002	3.3e-17
rs2632372	2	169717541	Č	T	0.504	-0.021	0.002	8e-24
rs17270868	2	182214669	Č	Ť	0.241	0.033	0.002	1.7e-40
rs7573465	2	182315885	T	Ġ	0.557	0.036	0.002	2.4e-62
rs12987470	2	188323311	T	A	0.295	-0.017	0.002	1.5e-13
rs13392977	2	192514856	A	Ĝ	0.253	0.033	0.002	1.3e-13
rs6760993	2	202110917	A	G	0.530	0.033	0.003	1.1e-14
rs1047891	2	211540507	A	C			0.002	
			T		0.316	-0.020		1.6e-18
rs114050631	2	219020958		С	0.011	-0.139	0.011	6.4e-38
rs72951772	2	219990997	Α	C	0.127	-0.020	0.003	7.4e-10
rs6755895	2	232579795	Ç	T	0.227	-0.024	0.003	3.9e-21
rs10164769	2	237779229	T	C	0.740	0.027	0.002	7.2e-28
rs1822534	3	12266804	G	A	0.392	-0.029	0.002	1.7e-39
rs479404	3	27363064	С	T	0.269	-0.015	0.002	5e-10
rs2371108	3	27757018	Ţ	G	0.387	0.021	0.002	3e-22
rs3732378	3	39307162	Α	G	0.173	0.023	0.003	7.3e-16
rs9872570	3	42896515	Α	Т	0.385	-0.026	0.002	1.6e-32
rs4682844	3	46982737	С	Τ	0.419	-0.027	0.002	4.1e-33
rs6779340	3	58033701	G	С	0.336	-0.020	0.002	7.6e-19
rs832187	3	63833050	Τ	С	0.634	-0.014	0.002	6.1e-11
rs6445424	3	64717575	Α	С	0.238	-0.016	0.002	2.5e-10
rs17737336	3	70764744	С	Т	0.237	-0.017	0.003	3.2e-11
rs7639292	3	107295665	Τ	С	0.170	-0.026	0.003	7.1e-20
rs34198449	3	128381270	Α	G	0.270	-0.029	0.002	2.9e-33
rs10935013	3	132227935	Α	G	0.113	0.022	0.003	6.5e-11
rs11712552	3	140957762	G	Α	0.127	0.030	0.003	1.3e-20
rs9819371	3	141206800	Τ	С	0.065	-0.048	0.004	6.4e-29
rs6440050	3	141622749	С	G	0.501	-0.013	0.002	2.4e-10
rs6440732	3	150990510	Α	С	0.825	0.023	0.003	1.8e-16
rs55730982	3	156797208	G	Т	0.401	0.014	0.002	7.6e-11
rs12494724	3	169320998	Т	С	0.634	-0.014	0.002	5.2e-11
rs4074672	3	183730295	Т	Č	0.369	0.019	0.002	1.6e-18
rs9867398	3	185912816	Ť	Č	0.094	0.022	0.004	2.3e-09
rs4490348	3	186204424	À	Ğ	0.410	0.013	0.002	1.9e-09
rs2089979	3	196501413	G	Ä	0.416	-0.035	0.002	2.5e-59
rs56011263	4	702972	Č	T	0.388	0.022	0.002	3.1e-24
rs73191188	4	3105200	Ä	Ġ	0.353	-0.016	0.002	1e-12
rs6831368	4	6969919	G	A	0.362	-0.020	0.002	4.1e-20
rs28530750	4	36312542	A	Ĝ	0.043	0.058	0.002	6.8e-28
rs987121	4	38329783	Ť	A	0.603	0.036	0.003	1.4e-11
rs13132853	4	38680015	Ġ	A	0.361	0.013	0.002	3.5e-27
rs218264	4		T	A				
		55408875			0.249	0.029	0.002	8.8e-32
rs723585	4	55503194	G	A	0.486	-0.019	0.002	8.5e-20
rs2412771	4	57761417	С	T	0.417	-0.020	0.002	9.2e-20
rs11723621	4	72615362	G	A	0.292	-0.031	0.002	3.8e-39
rs16850073	4	74703999	T	C	0.375	0.043	0.002	2.6e-83
rs11725704	4	74959996	G	A	0.376	0.065	0.002	7.5e-194
rs116746683	4	83471084	Т	С	0.062	-0.032	0.004	4.1e-13

rs28378092	4	90228807	Т	С	0.458	0.013	0.002	3.4e-09
rs113473633	4	103449131	Ġ	Ä	0.026	-0.050	0.007	1e-12
rs144317085	4	105806108	Ť	Α	0.034	0.049	0.006	2.6e-16
rs74693727	4	120330155	Ť	C	0.328	-0.017	0.002	1.5e-14
rs11735662	4	145026126	Ť	Č	0.034	0.053	0.006	5.7e-20
rs2290846	4	151199080	À	Ğ	0.287	0.018	0.002	7.6e-14
rs6817881	4	152223904	T	Č	0.500	0.014	0.002	1.3e-10
rs4535497	5	1107428	À	Č	0.570	-0.013	0.002	4.3e-10
rs7705526	5	1285974	A	Č	0.326	0.030	0.002	1.2e-38
rs464609	5	34654477	A	Ğ	0.544	0.014	0.002	1.7e-10
rs3822733	5	35875134	C	T	0.259	0.022	0.002	3e-20
rs13155659	5	54987585	Č	Ť	0.699	-0.014	0.002	7.8e-10
rs11744663	5	57315635	Ă	Ġ	0.192	-0.020	0.003	8.2e-14
rs2964199	5	57532775	C	T	0.682	-0.016	0.002	7.8e-13
rs11741775	5	68590395	Ť	Ċ	0.443	-0.022	0.002	1.8e-24
rs4703890	5	71748624	À	Ğ	0.882	-0.039	0.003	7.2e-32
rs6876611	5	96243598	Τ	Ä	0.486	-0.013	0.002	2.8e-09
rs141543178	5	108133865	Ť	A	0.026	0.044	0.007	6.7e-11
rs257063	5	114806819	Ť	C	0.743	-0.015	0.002	7e-10
rs79272926	5	118726637	À	Č	0.220	-0.025	0.003	4.4e-22
rs4836224	5	122092875	C	Ä	0.426	0.014	0.002	1.9e-11
rs2631367	5	131705458	Ğ	C	0.522	0.034	0.002	3.4e-58
rs79237520	5	134712566	Ť	Č	0.023	0.043	0.007	1.5e-09
rs6580229	5	141510754	Ġ	Ä	0.617	0.025	0.002	8.6e-31
rs2082382	5	148200553	A	G	0.548	-0.021	0.002	1.9e-22
rs4704826	5	156392082	Α	Č	0.635	-0.016	0.002	4e-13
rs10053217	5	173102585	G	Ā	0.355	0.014	0.002	8.1e-10
rs2594836	5	173205318	Α	G	0.722	-0.036	0.002	1.4e-50
rs13180726	5	179126457	Α	G	0.827	-0.022	0.003	1.5e-14
rs12203592	6	396321	Τ	С	0.220	0.024	0.003	4.2e-20
rs1761678	6	7090640	Τ	G	0.873	-0.021	0.003	9.3e-11
rs1285886	6	7140831	Α	G	0.197	0.029	0.003	1.2e-27
rs1334576	6	7211818	Α	G	0.425	-0.013	0.002	1.3e-09
rs1087924	6	10523826	С	G	0.529	-0.013	0.002	4.3e-10
rs1144700	6	16744687	Τ	С	0.178	-0.031	0.003	3.3e-29
rs9350354	6	21393645	G	Α	0.362	0.016	0.002	1.5e-13
rs62392759	6	25804685	Α	С	0.125	0.021	0.003	4.9e-11
rs73740434	6	27144980	Α	С	0.082	-0.066	0.005	2.8e-37
rs6902400	6	30425276	Τ	С	0.179	0.034	0.003	4.5e-34
rs2905757	6	31022828	Τ	С	0.324	0.069	0.002	1e-200
rs9265546	6	31298202	Α	G	0.223	-0.067	0.003	2.3e-112
rs200801362	6	31555480	С	Т	0.161	-0.090	0.004	1e-116
rs74973088	6	32457874	С	Т	0.465	0.077	0.002	1e-200
rs9274305	6	32632000	Т	С	0.205	-0.052	0.003	2.7e-75
rs149066177	6	34219560	Α	Т	0.112	-0.021	0.003	3.4e-10
rs6902672	6	41165840	С	Т	0.207	-0.019	0.003	4.4e-13
rs11965885	6	43693094	Ţ	G	0.582	-0.016	0.002	5.5e-14
rs6937438	6	43815364	Α	G	0.707	0.016	0.002	7.8e-12
rs900403	6	44591850	A	G	0.425	-0.013	0.002	3.6e-10
rs2012011	6	46893355	A	G	0.135	-0.027	0.003	2.5e-18
rs71548708	6	87837599	T	C	0.497	-0.018	0.002	3.7e-17
rs4707609	6	90946479	C	T	0.362	-0.022	0.002	4.1e-24
rs364663	6	105443189	A	T	0.557	-0.014	0.002	1.3e-10
rs6927569	6	109621494	С	T	0.523	0.023	0.002	2.3e-28
rs1741820	6	122721510	G	Α	0.545	0.021	0.002	4.6e-22
rs35786788	6	135419042	Α	G	0.253	-0.050	0.002	2.4e-90

rs9402702	6	135634006	С	T	0.492	0.020	0.002	4.9e-21
rs6924387	6	137082948	G	Α	0.410	0.017	0.002	1.2e-14
rs72978754	6	138053203	С	Т	0.066	-0.029	0.004	1.2e-11
rs9390461	6	147701217	G	Α	0.540	0.016	0.002	8.5e-14
rs1738074	6	159465977	С	Т	0.565	-0.020	0.002	3.7e-21
rs71536939	6	170486950	G	Α	0.785	0.017	0.003	1.2e-09
rs798540	7	2764130	Α	G	0.297	0.019	0.002	8.3e-16
rs2462661	7	6702311	G	Т	0.576	0.017	0.002	1.1e-15
rs56195338	7	8107922	Α	G	0.058	-0.032	0.005	1.1e-12
rs7776857	7	22754768	Τ	G	0.655	-0.019	0.002	1.4e-17
rs2158799	7	28277107	G	С	0.610	0.043	0.002	5e-88
rs56388170	7	28724374	Τ	G	0.292	0.060	0.002	7.6e-144
rs2710804	7	36084529	С	Т	0.377	0.023	0.002	7.1e-26
rs3735485	7	45009341	G	Α	0.845	0.040	0.003	1.2e-42
rs865031	7	47448640	С	Α	0.431	-0.013	0.002	3.9e-10
rs6583435	7	50293405	Α	С	0.676	0.019	0.002	1.5e-16
rs4689	7	56067016	Т	Ğ	0.760	-0.018	0.002	1.5e-12
rs4276561	7	66120952	Ċ	Ť	0.046	-0.037	0.005	2e-13
rs33951980	7	73029437	Ť	Ċ	0.130	-0.025	0.003	7.2e-16
rs79864016	7	75655838	Ġ	Ä	0.166	-0.018	0.003	7.6e-10
rs8179	7	92236164	Č	T	0.791	-0.038	0.003	4.4e-48
rs445	7	92408370	T	Ċ	0.096	-0.100	0.004	8.6e-169
rs2107717	7	98005398	Ċ	T	0.679	-0.014	0.002	1.3e-09
rs342293	7	106372219	Ğ	Ċ	0.459	-0.017	0.002	2.4e-16
rs11768743	7	129632081	T	A	0.433	0.016	0.002	3.9e-09
rs9656395	7	130575884	Ġ	A	0.095	-0.030	0.003	1.5e-16
rs7803075	7	130742066	G	Ā	0.739	-0.036	0.004	5e-27
rs13231262	7	148886058	T	Ĉ	0.759	-0.020	0.002	5.9e-13
rs7464263	8	11434176	T T	A	0.529	0.025	0.002	9.5e-31
rs12550612	8	22966769	A		0.329	-0.034	0.002	9.3e-31 9.2e-34
rs2322586	8	27323182	Ğ	G C	0.857		0.003	9.2e-34 3.2e-10
	8		A			-0.019		
rs2979489		30280833		G	0.742	0.018	0.002	2.5e-14
rs28571765	8	55449281	C	T	0.209	-0.022	0.003	3.9e-17
rs12676105	8	56795439	T	C	0.505	-0.017	0.002	1.9e-16
rs7822169	8	61417284	G	Α	0.371	0.021	0.002	5.4e-22
rs7846314	8	61650831	T	Α	0.187	0.049	0.003	4.4e-71
rs4623401	8	68797804	G	Α	0.467	-0.019	0.002	1.8e-19
rs1947897	8	78946874	С	G	0.332	-0.016	0.002	3.4e-13
rs62510269	8	79012343	G	Α	0.147	-0.037	0.003	1.4e-34
rs10808538	8	87169063	A	G	0.297	0.014	0.002	9.1e-10
rs10104995	8	103901234	T	C	0.231	-0.022	0.003	2e-18
rs2957421	8	106275376	Α	G	0.243	0.016	0.002	1.8e-10
rs4734879	8	106583124	G	Α	0.275	-0.022	0.002	5.3e-20
rs71510325	8	126298640	Т	С	0.598	0.014	0.002	7.1e-11
rs4733823	8	129014697	Т	С	0.456	0.021	0.002	4.9e-23
rs59697075	8	130618150	Т	С	0.588	-0.038	0.002	3.2e-69
rs145209947	8	130694185	Α	С	0.015	-0.075	0.010	1.4e-14
rs7005996	8	142241681	Т	С	0.906	0.026	0.004	5.1e-13
rs34634548	8	142329460	Α	С	0.358	-0.028	0.002	3.9e-37
rs2992836	9	276053	Τ	G	0.188	0.024	0.003	1e-18
rs2219143	9	2622278	Α	G	0.393	0.020	0.002	4.8e-19
rs385893	9	4763176	С	Τ	0.524	0.020	0.002	7.1e-22
rs10758669	9	4981602	Α	С	0.659	-0.014	0.002	2.8e-10
rs7036656	9	21990457	Т	С	0.722	0.029	0.002	4.2e-35
rs10757287	9	22143570	Т	Α	0.162	-0.035	0.003	1.1e-33
rs3793537	9	35687556	С	G	0.293	0.021	0.002	1.2e-18

rs12343705	9	38197187	Т	Α	0.490	-0.014	0.002	2e-10
rs611461	9	79325615	Ġ	Α	0.759	-0.018	0.002	1.5e-13
rs696825	9	86583076	Ť	C	0.252	-0.025	0.002	4.1e-25
rs1288649	9	91426717	Ġ	Ť	0.613	-0.021	0.002	3.7e-21
rs10992433	9	95483503	Ğ	A	0.231	0.017	0.003	4.6e-11
rs1930249	9	112735377	Ğ	Α	0.172	0.022	0.003	3e-15
rs1411424	9	113892963	Ä	G	0.523	-0.028	0.002	1.7e-38
rs7851073	9	114654460	T	Č	0.309	0.017	0.002	4.1e-13
rs113702392	9	116039908	Ť	Č	0.226	-0.017	0.003	7.5e-11
rs10760127	9	123692940	Ċ	Ğ	0.569	0.014	0.002	1.2e-10
rs10986338	9	127191232	Ä	Ğ	0.651	-0.018	0.002	2.7e-16
rs2519093	9	136141870	T	Č	0.184	-0.044	0.003	6.7e-57
rs2905064	9	136949558	Ť	Ä	0.484	0.015	0.002	1.2e-12
rs12555241	9	139387676	À	Ğ	0.278	0.032	0.002	1.8e-41
rs9329341	10	13532447	A	Ğ	0.580	0.017	0.002	1.3e-15
rs10828725	10	25218243	T	Ğ	0.369	-0.050	0.002	1.8e-113
rs61838426	10	26735804	Ť	Ğ	0.323	-0.016	0.002	5.2e-13
rs2807742	10	28781367	À	Ğ	0.770	0.034	0.002	1.2e-41
rs2091084	10	30492267	C	T	0.653	0.017	0.002	1.3e-13
rs72790861	10	44880207	Ğ	Ċ	0.308	-0.026	0.002	1.1e-28
rs61850684	10	50252936	A	Ğ	0.235	-0.024	0.003	2.3e-21
rs4746522	10	64437684	A	G	0.277	0.015	0.002	1.2e-10
rs7082470	10	65277026	A	G	0.471	-0.029	0.002	3.4e-41
rs10997821	10	69570691	Ğ	A	0.104	-0.023	0.002	2.3e-11
rs3747869	10	73520632	C	A	0.901	0.023	0.004	2e-27
rs7098414	10	82214586	C	A	0.732	0.035	0.002	5.8e-10
rs1412445	10	91002804	T	Ĉ	0.732	0.013	0.002	9.1e-17
rs11187838	10	96038686	A	Ğ	0.434	-0.019	0.002	9.8e-20
rs61863767	10	99084426	Ť	C	0.597	0.046	0.002	4e-100
rs11593526	10	104228017	A	Č	0.539	0.046	0.002	2.3e-14
rs2803606	10	113902827	T	Č	0.246	-0.015	0.002	5e-10
rs180943	10	115719472	Ġ	Č	0.587	-0.019	0.002	4.3e-18
rs12784071	10	115854445	T	Č	0.230	0.017	0.003	4.6e-12
rs3781454	10	126348565	À	Ğ	0.681	0.025	0.002	2.3e-28
rs14408	11	308314	C	T	0.368	0.044	0.002	9.7e-89
rs1468102	11	3004526	Ğ	Ċ	0.306	0.017	0.002	1.2e-13
rs7949917	11	10475370	A	Ğ	0.596	0.014	0.002	1.6e-10
rs11022177	11	12133478	G	C	0.310	-0.017	0.002	1.5e-13
rs2049045	11	27694241	C	Ğ	0.186	0.017	0.002	5.9e-10
rs1227996	11	47965189	Ğ	C	0.661	0.027	0.002	1.9e-32
rs174549	11	61571382	A	Ğ	0.309	-0.027	0.002	1.7e-31
rs10896064	11	65641033	C	Ğ	0.532	0.019	0.002	2.3e-18
rs4980661	11	69306579	A	Ğ	0.527	0.017	0.002	3.5e-15
rs12363256	11	100520680	Α	T	0.327	0.018	0.002	5.6e-15
rs228606	11	108087847	T	Ġ	0.411	0.018	0.002	2.3e-16
rs238914	11	113984109	À	C	0.396	0.029	0.002	5.3e-41
rs148713124	11	118225200	T	Ğ	0.009	0.107	0.011	9.9e-21
rs71468750	11	120205560	À	Ğ	0.413	0.014	0.002	2e-10
rs8705	11	128328913	Α	Ğ	0.318	-0.028	0.002	7.3e-35
rs632887	12	3392351	G	A	0.410	0.020	0.002	3.9e-11
rs7955734	12	4333159	G	C	0.210	-0.028	0.003	2.1e-27
rs2286599	12	6499533	A	Ğ	0.210	0.020	0.003	3e-33
rs2024385	12	12888438	A	T	0.428	0.017	0.002	1.1e-14
rs7134738	12	26358170	C	Ť	0.351	-0.014	0.002	1e-10
rs739842	12	48202046	Č	Ť	0.635	-0.016	0.002	3.3e-12
rs7978263	12	49118291	T	Ċ	0.314	-0.016	0.002	9.3e-12
131010200	14	10 1 10201	•		0.017	0.010	0.002	J.UU-12

rs11169302 12 50578705 G T 0.394 0.021 0.002 1.2e-22									
Institution	rs11169302	12	50578705	G	Т	0.394	0.021	0.002	1.2e-22
FS1245035									
F8971546			52294257	С		0.775	0.022	0.003	4.3e-18
F84761234			64976049			0.629	0.015		3.4e-12
Instrict Instrict	rs971546	12	68591919	G	Τ	0.704	0.016	0.002	2e-11
Instraction	rs4761234	12	69732105	С	Τ	0.485	0.015	0.002	8.8e-13
International Color International Color	rs12424773	12	80033612	Т	С	0.691	-0.015	0.002	1.1e-10
International Color International Color	rs7487314	12	88836215	Т	G	0.701	-0.025	0.002	1.1e-27
Instrict Instrict	rs17041439	12	101873240	С	Α	0.056	0.041	0.005	1.2e-18
International Color International Color									
F875468472									
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TS34944476									
TS9863									
International Process of State									
Fig.									
rs9508005 13 28789794 G T 0.095 -0.023 0.004 1.6e-09 rs7326825 13 50113450 A G 0.707 0.022 0.002 8.7e-21 rs706606 13 50833707 C T 0.531 0.017 0.002 4.2e-15 rs3812849 13 74701736 C A 0.264 0.021 0.003 7.5e-11 rs17785077 13 99635611 A G 0.103 0.023 0.003 7.5e-11 rs2260302 13 114920867 A G 0.258 0.023 0.002 2.8e-15 rs2260302 13 114920867 A G 0.294 0.016 0.002 8.1e-12 rs7159281 14 2356604 G A 0.669 -0.014 0.002 5.7e-10 rs17386684 14 35687193 T C 0.363 0.017 0.002 4.8e-14 rs1									
International Process 13									
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International Processes International Pr									
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RS2260302									
RS9590390									
FS7159281									
rs2038700 14 25461989 C T 0.394 0.035 0.002 1.7e-56 rs17386684 14 35602087 G T 0.178 0.024 0.003 2.4e-17 rs696 14 35871093 T C 0.363 0.017 0.002 4.8e-14 rs175714 14 75981856 C T 0.577 0.013 0.002 1.1e-09 rs2205190 14 77886723 G T 0.577 0.013 0.002 2.6e-11 rs9806027 14 81668707 C G 0.554 -0.018 0.002 2.6e-11 rs17068593 14 93118229 T C 0.189 -0.029 0.003 1.6e-26 rs36084521 14 93516398 G T 0.111 0.023 0.003 9.2e-12 rs10146962 14 101170540 C T 0.335 -0.016 0.002 1.3e-12 rs25									
rs17386684									
rs696 14 35871093 T C 0.363 0.017 0.002 4.8e-14 rs10138752 14 69179971 T C 0.078 -0.040 0.004 2.8e-24 rs175714 14 75981856 C T 0.577 0.013 0.002 1.1e-09 rs2205190 14 77886723 G T 0.521 -0.014 0.002 2.6e-11 rs9806027 14 81668707 C G 0.554 -0.018 0.002 6e-17 rs117068593 14 93118229 T C 0.189 -0.029 0.003 1.6e-26 rs36084521 14 93516398 G T 0.111 0.023 0.003 9.2e-12 rs10146962 14 101170540 C T 0.335 -0.016 0.002 1.1e-12 rs56227024 14 103861706 G A 0.283 -0.019 0.002 2.3e-16									
rs10138752 14 69179971 T C 0.078 -0.040 0.004 2.8e-24 rs175714 14 75981856 C T 0.577 0.013 0.002 1.1e-09 rs2205190 14 77886723 G T 0.521 -0.014 0.002 2.6e-11 rs9806027 14 81668707 C G 0.554 -0.018 0.002 6e-17 rs117068593 14 93118229 T C 0.189 -0.029 0.003 1.6e-26 rs36084521 14 93516398 G T 0.111 0.023 0.003 9.2e-12 rs10146962 14 101170540 C T 0.335 -0.016 0.002 1.1e-12 rs56227024 14 103861706 G A 0.283 -0.019 0.002 2.3e-16 rs4924450 15 40597229 A G 0.704 0.016 0.002 1.5e-11									
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rs2205190 14 77886723 G T 0.521 -0.014 0.002 2.6e-11 rs9806027 14 81668707 C G 0.554 -0.018 0.002 6e-17 rs117068593 14 93118229 T C 0.189 -0.029 0.003 1.6e-26 rs36084521 14 93516398 G T 0.111 0.023 0.003 9.2e-12 rs10146962 14 101170540 C T 0.335 -0.016 0.002 1.1e-12 rs56227024 14 103861706 G A 0.283 -0.019 0.002 2.3e-16 rs4924450 15 40597229 A G 0.704 0.016 0.002 1.5e-11 rs72726027 15 42248826 C T 0.111 -0.045 0.003 4e-41 rs60695341 15 51010271 T C 0.197 -0.030 0.003 5.6e-29									
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rs36084521 14 93516398 G T 0.111 0.023 0.003 9.2e-12 rs10146962 14 101170540 C T 0.335 -0.016 0.002 1.1e-12 rs56227024 14 103861706 G A 0.283 -0.019 0.002 2.3e-16 rs4924450 15 40597229 A G 0.704 0.016 0.002 1.5e-11 rs72726027 15 42248826 C T 0.111 -0.045 0.003 4e-41 rs60695341 15 51010271 T C 0.197 -0.030 0.003 5.6e-29 rs398474 15 62799035 A G 0.273 0.016 0.002 1.9e-11 rs7180079 15 64629873 G A 0.879 0.036 0.003 9.2e-28 rs743580 15 74328116 G A 0.490 0.014 0.002 1.3e-10	rs9806027	14	81668707			0.554	-0.018	0.002	6e-17
rs10146962 14 101170540 C T 0.335 -0.016 0.002 1.1e-12 rs56227024 14 103861706 G A 0.283 -0.019 0.002 2.3e-16 rs4924450 15 40597229 A G 0.704 0.016 0.002 1.5e-11 rs72726027 15 42248826 C T 0.111 -0.045 0.003 4e-41 rs60695341 15 51010271 T C 0.197 -0.030 0.003 5.6e-29 rs398474 15 62799035 A G 0.273 0.016 0.002 1.9e-11 rs7180079 15 64629873 G A 0.879 0.036 0.003 9.2e-28 rs743580 15 74328116 G A 0.490 0.014 0.002 1.3e-10 rs8024737 15 77249703 C T 0.161 -0.020 0.003 1.2e-11	rs117068593	14	93118229	Т	С	0.189	-0.029	0.003	1.6e-26
rs56227024 14 103861706 G A 0.283 -0.019 0.002 2.3e-16 rs4924450 15 40597229 A G 0.704 0.016 0.002 1.5e-11 rs72726027 15 42248826 C T 0.111 -0.045 0.003 4e-41 rs60695341 15 51010271 T C 0.197 -0.030 0.003 5.6e-29 rs398474 15 62799035 A G 0.273 0.016 0.002 1.9e-11 rs7180079 15 64629873 G A 0.879 0.036 0.003 9.2e-28 rs743580 15 74328116 G A 0.490 0.014 0.002 1.3e-10 rs67538199 15 75361650 C T 0.161 -0.020 0.003 1.2e-11 rs8024737 15 77249703 C T 0.542 0.013 0.002 3.9e-09 rs	rs36084521	14	93516398	G	Τ	0.111	0.023	0.003	9.2e-12
rs4924450 15 40597229 A G 0.704 0.016 0.002 1.5e-11 rs72726027 15 42248826 C T 0.111 -0.045 0.003 4e-41 rs60695341 15 51010271 T C 0.197 -0.030 0.003 5.6e-29 rs398474 15 62799035 A G 0.273 0.016 0.002 1.9e-11 rs7180079 15 64629873 G A 0.879 0.036 0.003 9.2e-28 rs743580 15 74328116 G A 0.490 0.014 0.002 1.3e-10 rs67538199 15 75361650 C T 0.161 -0.020 0.003 1.2e-11 rs8024737 15 77249703 C T 0.542 0.013 0.002 3.9e-09 rs2562751 15 80251294 A G 0.760 0.015 0.003 1.8e-09 rs717	rs10146962	14	101170540	С	Τ	0.335	-0.016	0.002	1.1e-12
rs72726027 15 42248826 C T 0.111 -0.045 0.003 4e-41 rs60695341 15 51010271 T C 0.197 -0.030 0.003 5.6e-29 rs398474 15 62799035 A G 0.273 0.016 0.002 1.9e-11 rs7180079 15 64629873 G A 0.879 0.036 0.003 9.2e-28 rs743580 15 74328116 G A 0.490 0.014 0.002 1.3e-10 rs67538199 15 75361650 C T 0.161 -0.020 0.003 1.2e-11 rs8024737 15 77249703 C T 0.542 0.013 0.002 3.9e-09 rs2562751 15 80251294 A G 0.760 0.015 0.003 1.8e-09 rs7177338 15 91428636 A G 0.525 -0.017 0.002 4.2e-15 rs28	rs56227024	14	103861706	G	Α	0.283	-0.019	0.002	2.3e-16
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rs60695341 15 51010271 T C 0.197 -0.030 0.003 5.6e-29 rs398474 15 62799035 A G 0.273 0.016 0.002 1.9e-11 rs7180079 15 64629873 G A 0.879 0.036 0.003 9.2e-28 rs743580 15 74328116 G A 0.490 0.014 0.002 1.3e-10 rs67538199 15 75361650 C T 0.161 -0.020 0.003 1.2e-11 rs8024737 15 77249703 C T 0.542 0.013 0.002 3.9e-09 rs2562751 15 80251294 A G 0.760 0.015 0.003 1.8e-09 rs7177338 15 91428636 A G 0.525 -0.017 0.002 4.2e-15 rs28576226 15 101713668 A G 0.124 0.034 0.003 2.8e-26 rs									
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rs743580 15 74328116 G A 0.490 0.014 0.002 1.3e-10 rs67538199 15 75361650 C T 0.161 -0.020 0.003 1.2e-11 rs8024737 15 77249703 C T 0.542 0.013 0.002 3.9e-09 rs2562751 15 80251294 A G 0.760 0.015 0.003 1.8e-09 rs7177338 15 91428636 A G 0.525 -0.017 0.002 4.2e-15 rs28576226 15 101713668 A G 0.124 0.034 0.003 2.8e-26 rs75893715 16 1360091 T C 0.271 0.018 0.002 1.2e-13 rs35929659 16 2165630 C T 0.180 -0.016 0.003 3.7e-09 rs6500550 16 3746241 T C 0.302 -0.022 0.002 4.1e-22 rs17199009 16 3867081 G A 0.070 0.027 0.004 9.4e-11 rs61739285 16 27480797 T C 0.034 -0.035 0.006 1.3e-09 rs11574938 16 30485393 C G 0.517 0.040 0.002 7.6e-16									
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rs35929659 16 2165630 C T 0.180 -0.016 0.003 3.7e-09 rs6500550 16 3746241 T C 0.302 -0.022 0.002 4.1e-22 rs17199009 16 3867081 G A 0.070 0.027 0.004 9.4e-11 rs61739285 16 27480797 T C 0.034 -0.035 0.006 1.3e-09 rs11574938 16 30485393 C G 0.517 0.040 0.002 1.5e-79 rs28853644 16 30801027 T C 0.270 -0.019 0.002 7.6e-16									
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rs11574938 16 30485393 C G 0.517 0.040 0.002 1.5e-79 rs28853644 16 30801027 T C 0.270 -0.019 0.002 7.6e-16									
rs28853644 16 30801027 T C 0.270 -0.019 0.002 7.6e-16									
rs2080506 16 50164672 T C 0.156 -0.018 0.003 5.9e-10									
	rs2080506	16	50164672	T	С	0.156	-0.018	0.003	5.9e-10

rs11644125	16	57058974	Т	С	0.600	-0.018	0.002	8.4e-17
rs12918121	16	67187795	Ť	Č	0.018	-0.051	0.008	3.2e-10
rs117784871	16	68138091	Ť	Ğ	0.057	0.029	0.005	1.7e-09
rs11642655	16	81610480	À	Ğ	0.565	0.015	0.002	8.2e-13
rs247826	16	84582965	T	C	0.222	0.035	0.003	2.9e-41
rs9939427	16	86016091	À	Ğ	0.222	0.022	0.003	7.7e-18
rs59404182	16	88852866	Ğ	A	0.199	-0.020	0.003	8.7e-14
rs2229075	17	1359363	G	T	0.722	0.016	0.002	2e-11
rs7225843	17	2001825	C	Ť	0.203	-0.033	0.002	7.1e-37
rs62089694	17	2723868	Ğ	Ċ	0.263	0.021	0.003	5.2e-13
rs8071086	17	4612866	G	A	0.101	0.021	0.003	5.2e-13 5.9e-11
rs9896414	17	5015895	T	Ĉ	0.509	-0.018	0.002	7.1e-17
rs1029809	17	16156235	Ġ	A	0.309	-0.016	0.002	1.6e-33
rs55767800	17	17674967	C	Ť	0.475	-0.020	0.002	2.2e-19
rs8070966	17	27196748	C	Ť	0.844	-0.020	0.002	2.2e-19 2.3e-13
rs2259855	17	28097860	C	Ť	0.526	-0.021	0.003	1.4e-33
rs79730542	17	37298789	C	Ť	0.320	-0.020	0.002	4.4e-09
rs11651596	17	38056116	C	†	0.031	-0.037	0.000	4.4e-09 1e-200
rs576566496	17	38140269	A	G	0.466	0.085	0.002	1.1e-34
rs74725931			C	T				
	17 17	38196327 38470429	G	T	0.038	0.058	0.006 0.003	3.6e-24
rs563136944		40589978			0.356	-0.023		1e-19
rs4796657 rs138284624	17		A	С	0.573	-0.014	0.002	4.3e-11
	17	56385573	T	С	0.013	0.110	0.009	3.4e-31
rs8081395	17	57801761	A	G	0.545	0.038	0.002	3e-70
rs2084312	17	72695211	T	C T	0.800	0.029	0.003	6.8e-27
rs12939873	17	74460148	С		0.657	-0.013	0.002	3.9e-09
rs8079218	17	76247744	G	Α	0.498	-0.015	0.002	2.3e-12
rs9747839	17	81084522	G	С	0.478	0.020	0.002	2.8e-17
rs4468717	18	3457606	T	С	0.077	-0.024	0.004	1.7e-09
rs303753	18	21074922	A	G	0.346	-0.021	0.002	4.7e-20
rs16978075	18	42113151	С	T	0.110	0.027	0.003	4.4e-15
rs55874505	18	43816804	G	T	0.584	-0.019	0.002	3.4e-18
rs9947760	18	48148741	Ç	T	0.372	0.021	0.002	1.6e-21
rs527544	18	51762866	T	G	0.424	0.016	0.002	4.4e-13
rs72933640	18	60054077	Ç	G	0.107	-0.021	0.003	1.8e-09
rs17758695	18	60920854	T	C	0.029	-0.062	0.006	6.6e-23
rs763361	18	67531642	Ç	T	0.527	-0.013	0.002	3.2e-10
rs72973711	18	74072245	T	Α	0.067	-0.033	0.004	1.7e-14
rs4807440	19	1026477	T	G	0.638	0.026	0.002	3.4e-30
rs873289	19	1175396	G	A	0.474	-0.013	0.002	2.7e-10
rs2358581	19	10391611	G	T	0.734	-0.029	0.002	1.2e-33
rs895819	19	13947292	С	T	0.337	0.020	0.002	6.7e-18
rs59326120	19	16504352	С	T	0.156	0.054	0.003	1.5e-75
rs57070010	19	17650608	С	G	0.112	0.022	0.003	3.2e-11
rs4805881	19	33896432	C	Α	0.665	-0.016	0.002	4.3e-13
rs2194067	19	35464727	T	C	0.417	0.014	0.002	9.8e-11
rs4760	19	44153100	G	Α	0.156	-0.070	0.003	5.8e-127
rs11673093	19	45742094	A	G	0.260	-0.054	0.002	1.4e-108
rs177918	19	47634313	G	T	0.894	-0.032	0.003	2e-20
rs35112940	19	51738917	Α	G	0.218	-0.024	0.003	1.8e-20
rs6045615	20	1931582	C	Α	0.328	-0.018	0.002	3.4e-15
rs2294256	20	8174058	T	Α	0.482	-0.015	0.002	4.3e-13
rs6086540	20	8603950	C	G	0.507	-0.023	0.002	1e-27
rs34952318	20	11177055	Α	G	0.049	-0.034	0.005	5e-12
rs2185558	20	36905894	С	T	0.140	0.019	0.003	1.5e-09
rs6029234	20	39259278	С	G	0.626	0.025	0.002	2.5e-29

rs1800961	20	43042364	Т	С	0.031	-0.042	0.006	5.1e-12
rs143003731	20	47936696	Τ	С	0.008	-0.074	0.013	4e-09
rs1060402	20	49205095	Α	G	0.518	-0.017	0.002	5.1e-16
rs1997577	21	16371102	Τ	Α	0.155	-0.019	0.003	2.5e-10
rs9977672	21	40463283	Α	G	0.258	-0.021	0.002	2.5e-18
rs73377344	21	47804358	С	Τ	0.554	-0.017	0.002	1.8e-14
rs740422	22	17619292	Τ	С	0.218	0.016	0.003	1.3e-09
rs5746451	22	18126020	С	Τ	0.504	0.020	0.002	7.3e-22
rs2240717	22	19969106	G	Α	0.350	0.022	0.002	3.6e-22
rs13055027	22	24641953	Τ	G	0.276	-0.019	0.002	3.1e-15
rs62227042	22	29632882	Τ	Α	0.416	-0.019	0.002	1.1e-17
rs9680589	22	31853484	Α	G	0.051	-0.029	0.005	2.2e-09
rs139402	22	39546145	С	Τ	0.438	-0.022	0.002	1.3e-24
rs47340	22	43562829	Т	G	0.396	0.015	0.002	1.5e-12
			C T	-				

Table S3. 367 SNPs significantly associated with eosinophil count used IVs in forward MR analyses derived from Vuckovic D et al. Chr: Chromosome; EA: Effect

allele: NEA:	Non-effect allele	: EAF: Effect	allele frequency.

SNP	Chr	Pos	EA.	NEA	EAF	Beta	SE	P-value
rs12097268	1	2477358	Α	Т	0.482	-0.013	0.002	3.2e-10
rs301802	1	8497307	Α	Ť	0.584	0.019	0.002	2.5e-18
rs1294028	1	9364634	G	A	0.610	0.015	0.002	8.2e-12
rs9430574	1	9709072	Ä	G	0.325	-0.021	0.002	4.1e-20
rs35249183	1	12099345	G	Ā	0.100	0.040	0.004	5.1e-29
rs2502994	1	24199363	Č	T	0.569	0.021	0.002	1.9e-22
rs10794666	1	25250830	Ť	C	0.573	0.017	0.002	3e-16
rs6699190	1	26531789	Ť	Ğ	0.663	-0.014	0.002	3.1e-10
rs79516637	1	28608721	A	Ğ	0.067	-0.032	0.004	4.1e-14
rs1004870	1	42370787	T	Č	0.589	0.026	0.002	4e-34
rs567910619	1	65210790	Ť	Č	0.011	-0.088	0.011	4.9e-16
rs12408934	1	65423447	À	Ğ	0.103	-0.042	0.003	4.8e-33
rs41313381	1	79411968	A	Č	0.031	0.049	0.006	3e-16
rs6672038	1	87751670	T	Č	0.119	0.037	0.003	3.2e-29
rs1088318	1	93733057	Ť	Č	0.379	-0.023	0.002	7e-26
rs74431709	1	101653125	Ġ	Ť	0.111	-0.042	0.003	7.4e-35
rs1494316	1	111319655	Č	Ġ	0.235	-0.016	0.002	1.1e-10
rs2793925	1	120652158	Ä	Ť	0.684	0.017	0.002	3.7e-13
rs11204682	1	150595537	T	Ġ	0.223	-0.042	0.003	6.4e-60
rs111548294	1	150911337	Ť	Č	0.013	0.088	0.010	2e-20
rs34448954	1	161168189	Ť	C	0.106	-0.028	0.003	6.5e-16
rs6672031	1	172796505	Ġ	Č	0.487	0.019	0.002	4.3e-19
rs12137747	1	173213790	Ä	Č	0.469	0.018	0.002	8.3e-17
rs6658698	1	181060791	A	Ğ	0.618	-0.015	0.002	1.6e-11
rs17849502	1	183532580	T	G	0.052	-0.029	0.005	1e-09
rs2296618	1	198666232	Ġ	A	0.136	-0.039	0.003	9.3e-37
rs1036332	1	199012478	Č	A	0.738	-0.032	0.002	8e-41
rs10793767	1	204549564	Č	A	0.675	0.014	0.002	6.6e-10
rs41298997	1	206655331	T	Ċ	0.235	0.016	0.002	4.8e-11
rs59150958	1	221106304	Ť	Č	0.153	-0.027	0.003	1.2e-19
rs12142635	1	226976332	À	Č	0.057	-0.030	0.005	2e-10
rs11810108	1	229668671	C	T	0.229	-0.017	0.003	1.8e-11
rs72755295	1	242034263	Ğ	À	0.033	-0.037	0.006	3.2e-10
rs10165200	2	8439629	Ä	G	0.371	-0.025	0.002	5.2e-30
rs62105489	2	8757326	T	Č	0.053	-0.032	0.005	1.3e-11
rs11127154	2	28685967	Ť	Ä	0.492	-0.024	0.002	9.8e-28
rs11890306	2	28691488	Ť	C	0.423	0.013	0.002	2.3e-09
rs17682575	2	43152304	Ť	Č	0.202	-0.019	0.003	2.2e-12
rs113542380	2	43464818	À	Ğ	0.075	-0.028	0.004	6.2e-12
rs778756	2	61781994	Ġ	A	0.580	-0.016	0.002	8.4e-14
rs7569084	2	65656969	T	C	0.585	0.019	0.002	1.7e-18
rs12622600	2	71279940	T	C	0.270	-0.016	0.002	4.6e-11
rs11126424	2	74262353	Ċ	T	0.270	-0.015	0.002	3.4e-11
rs2366640	2	85810734	Č	Å	0.319	-0.016	0.002	1.6e-12
rs2579505	2	97167962	C	Ť	0.519	0.044	0.002	1.5e-12
rs13418548	2	102917239	T	Ċ	0.038	-0.093	0.002	1.5e-90 1e-200
rs1465641	2	102917239	T T	C		0.015	0.003	1.3e-11
rs72836346	2	111876613	C	G	0.385		0.002	
				C	0.078	0.071		1.2e-68
rs4848139	2	112418002	T		0.525	0.018	0.002	3.5e-18
rs11678022	2	136809033	T	A	0.731	-0.019	0.002	1.4e-14
rs79716587	2	143886819	Α	G	0.126	-0.025	0.003	5.5e-15

rs1427499	2	145400317	G	Α	0.710	0.019	0.002	1.1e-15
rs10195713	2	158520905	T	Ĉ	0.710	0.019	0.002	1.1e-13 1.5e-18
rs10930337	2	169695031	Ť	Č	0.285	0.020	0.002	4e-09
rs6731125	2	182308836	Ċ	T	0.565	0.014	0.002	1.9e-16
rs10174238	2	191973034	A	Ġ	0.766	0.015	0.002	3.5e-10
rs1519602	2	197027792	Ğ	T	0.760	0.015	0.003	5.8e-11
rs13021247	2	207926818	A	G	0.049	-0.013	0.002	1.4e-09
rs715	2	211543055	C	T	0.313	0.014	0.002	4.3e-15
rs12619285	2	213824045	G	A	0.311	-0.064	0.002	4.3e-15 1.2e-156
rs35409523	2	213908457	A	G	0.203	0.052	0.002	7.4e-38
rs7423615	2	231116874	T	C	0.076			
	2		T			0.023	0.003	5.5e-18
rs1057258	2	234115629		С	0.178			5.4e-31
rs34290285	2	242698640	A	G	0.256	-0.046	0.002	8.8e-80
rs76474320		242806022	C	T	0.078	0.031	0.004	3.5e-15
rs1695315	3	3153339	A	G	0.605	-0.036	0.002	9.3e-60
rs4684037	3	10228040	G	C	0.143	-0.020	0.003	6.3e-11
rs310747	3	12259545	G	T	0.625	-0.030	0.002	9.9e-42
rs76643909	3	12441367	G	T	0.150	0.027	0.003	5.4e-20
rs13073683	3	25393837	С	T	0.399	0.016	0.002	3.6e-13
rs1353286	3	27772014	G	T	0.453	0.020	0.002	2.1e-21
rs7646283	3	33046480	T	C	0.367	0.026	0.002	8.2e-32
rs2228467	3	42906116	С	T	0.061	0.062	0.004	1.7e-45
rs4072859	3	49032205	C	G	0.659	0.027	0.002	9.3e-30
rs4677079	3	72125863	T	G	0.498	0.014	0.002	1.7e-11
rs7649812	3	98449191	G	С	0.242	0.017	0.002	3.1e-12
rs4618204	3	101281534	С	T	0.444	0.018	0.002	4.3e-17
rs528288236	3	111807413	Α	G	0.019	-0.047	0.008	2.3e-09
rs9868582	3	112052927	Т	G	0.452	-0.024	0.002	2e-29
rs2399441	3	112587012	С	Т	0.350	-0.019	0.002	2.8e-18
rs6806253	3	128282697	G	Α	0.164	-0.088	0.003	1e-200
rs142062847	3	128395208	С	Т	0.437	0.018	0.002	6.3e-14
rs2712399	3	128432953	G	С	0.409	-0.025	0.002	6e-30
rs73238201	3	142204728	Τ	С	0.179	-0.017	0.003	3.9e-10
rs1516527	3	148609704	С	Т	0.951	-0.033	0.005	2.6e-11
rs4680250	3	150941492	G	C	0.694	-0.016	0.002	1.9e-11
rs76830965	3	159637678	Α	С	0.118	-0.023	0.003	7.3e-12
rs191674933	3	169488691	Т	Α	0.240	0.025	0.002	1.3e-23
rs4464488	3	171498211	Т	С	0.414	-0.014	0.002	8.9e-11
rs4074672	3	183730295	Т	С	0.369	0.015	0.002	2.8e-12
rs9815874	3	188441161	Т	С	0.299	0.029	0.002	3.7e-35
rs9818987	3	194402430	Τ	С	0.306	0.014	0.002	2.9e-09
rs12152276	3	196368501	G	Α	0.081	-0.035	0.004	4.8e-20
rs4916555	3	196538648	Τ	С	0.475	0.018	0.002	9.3e-18
rs1828803	4	2689449	Α	С	0.393	0.013	0.002	1.2e-09
rs6448432	4	26098810	Α	G	0.306	0.014	0.002	1.8e-09
rs73232881	4	38664131	С	Т	0.214	0.069	0.003	1.3e-156
rs6855379	4	39037026	G	С	0.584	-0.016	0.002	6e-13
rs2412771	4	57761417	С	Т	0.417	-0.013	0.002	1.3e-09
rs17005891	4	83547862	Α	G	0.184	-0.055	0.003	2.9e-90
rs13105682	4	102702364	G	Т	0.059	-0.029	0.005	3.4e-10
rs113473633	4	103449131	G	Α	0.026	-0.063	0.007	1.5e-19
rs62324212	4	123560939	Α	С	0.437	0.021	0.002	5.4e-22
rs6836610	4	123601697	Α	G	0.303	0.019	0.002	6.3e-17
rs13120371	4	139092719	G	Α	0.327	0.016	0.002	3.4e-13
rs11931711	4	153291513	Т	С	0.282	0.021	0.002	1.6e-18
rs10062687	5	10624866	G	Т	0.233	0.025	0.003	2e-22

rs16903574	5	14610309	G	С	0.076	0.030	0.004	1.7e-13
rs4594881	5	35846815	T	G	0.341	-0.036	0.004	8.1e-58
rs4703589	5	72097351	Ċ	T	0.531	0.013	0.002	2.1e-10
rs4703730	5	76549688	T	Ċ	0.517	-0.017	0.002	4.6e-16
rs34495	5	98265807	Ť	G	0.317	-0.017	0.002	6e-17
rs10455025	5	110404999	Ċ	A	0.355	0.041	0.002	8.6e-75
rs35936927	5	110768362	G	A	0.522	-0.018	0.002	2.4e-14
rs17516457	5	131590387	C	T	0.417	-0.065	0.002	1e-200
rs375509059	5	131960939	T	C	0.046	0.045	0.005	2.2e-18
rs256869	5	132135372	С	Ţ	0.085	0.023	0.004	1.8e-09
rs17653687	5	133468000	G	Α	0.179	-0.019	0.003	1.3e-11
rs10062349	5	141509597	Α	G	0.617	0.040	0.002	1.9e-76
rs55977204	5	142501095	С	T	0.113	0.021	0.003	3.5e-10
rs56330463	5	148200011	С	Т	0.552	0.041	0.002	3.3e-81
rs6869605	5	150452866	С	Α	0.123	-0.024	0.003	3.6e-14
rs2431097	5	159890885	Τ	С	0.485	0.014	0.002	5.9e-11
rs62385501	5	171950231	Α	Т	0.308	-0.015	0.002	1.5e-10
rs6556313	5	176792491	G	Α	0.332	0.020	0.002	3.8e-18
rs2666969	6	336410	G	Α	0.254	-0.042	0.003	2.5e-38
rs9504361	6	577820	G	Α	0.446	-0.032	0.002	9.4e-49
rs186984319	6	16702251	С	Т	0.317	-0.014	0.002	4.2e-09
rs3132682	6	30044388	С	G	0.588	-0.055	0.002	5.1e-144
rs9266321	6	31330360	С	G	0.184	0.048	0.003	9.6e-69
rs111936749	6	31523012	Τ	С	0.252	0.041	0.003	1.7e-34
rs62395789	6	31572801	Α	G	0.044	0.042	0.005	8.2e-16
rs529454848	6	32525948	Α	Т	0.146	-0.036	0.004	4.7e-22
rs28383314	6	32587213	С	Т	0.625	0.063	0.002	5e-184
rs9462094	6	35513603	Т	С	0.431	-0.023	0.002	3.4e-20
rs11751949	6	42219296	À	Ğ	0.071	-0.031	0.004	1e-13
rs76236447	6	42225993	С	Ğ	0.072	0.039	0.004	5.1e-21
rs9395112	6	45682806	Ğ	Ä	0.156	0.020	0.003	7.9e-12
rs1095671	6	88016300	Ä	G	0.571	-0.015	0.002	6.1e-13
rs62408224	6	90955995	G	Ä	0.351	-0.041	0.002	1.3e-77
rs62420764	6	106799970	Č	T	0.140	0.019	0.003	8.2e-10
rs12208103	6	107442431	T	Ċ	0.376	-0.031	0.002	1.8e-44
rs1915834	6	109597624	À	Č	0.480	0.014	0.002	3.6e-11
rs9389268	6	135419631	G	Ä	0.260	-0.047	0.002	1.1e-82
rs6924387	6	137082948	G	A	0.410	0.017	0.002	1.8e-15
rs113496608	6	138161666	A	G	0.030	-0.043	0.002	6.7e-12
rs13207791	6	143249749	G	A	0.089	0.024	0.004	2.6e-10
rs149110519	6	144385777	T	Ĉ	0.036	0.024	0.004	4.7e-13
rs577734383	7	2881732	Ä	Ğ	0.036	0.042	0.003	4.7e-13 4.3e-10
rs6971710	7	3140173	A	G	0.201	0.030	0.003	3.1e-29
rs13245462	7	8074608	Ť	C	0.201	-0.021	0.003	3.16-29 3e-09
rs10950642	7	17016646	A	G	0.102	-0.021	0.004	3.5e-18
	7			T				2.6e-125
rs57834782		20502828	A		0.245	-0.059	0.002	
rs12537614	7	22789551	С	G	0.592	-0.028	0.002	1.4e-37
rs60600003	7	37382465	G	T	0.101	0.041	0.004	1.3e-31
rs150640087	7	50444152	T	G	0.016	0.099	0.009	5e-31
rs17450294	7	50763459	C	T	0.086	-0.031	0.004	5e-16
rs13226583	7	75454152	T	Α	0.116	-0.062	0.003	5.8e-78
rs55879743	7	75470364	T	C	0.066	0.074	0.004	3.6e-65
rs62473720	7	77254547	G	Α	0.318	0.014	0.002	6.3e-10
rs4272	7	92236829	G	Α	0.211	0.028	0.003	8.7e-28
rs445	7	92408370	Ţ	C	0.096	-0.053	0.004	7.5e-49
rs56072276	7	98778222	Α	G	0.688	-0.016	0.002	5.6e-12

rs12538988	7	101810359	Α	С	0.291	0.018	0.002	4.2e-14
rs12705849	7	112782556	A	G	0.407	-0.021	0.002	4.2e-14 4.7e-23
rs3807307	7	128579202	C	T	0.467	-0.021	0.002	4.76-23 1e-14
	7							
rs56179563		129685597	A	G	0.389	0.018	0.002	6.7e-16
rs3110791	7	135367828	С	T	0.624	0.015	0.002	7.6e-12
rs12530946	7	148887942	G	Α	0.614	0.043	0.002	6.1e-85
rs4871849	8	22964719	Α	G	0.708	-0.033	0.002	1.7e-45
rs17377462	8	27281912	Α	G	0.248	-0.017	0.002	1.5e-11
rs2133480	8	47923945	Α	С	0.094	0.029	0.004	3.8e-15
rs45577137	8	48651633	G	Α	0.045	-0.061	0.005	5.2e-29
rs7846314	8	61650831	Т	Α	0.187	-0.033	0.003	1.4e-34
rs6989099	8	66898262	С	Τ	0.317	-0.018	0.002	5.6e-15
rs4739140	8	79753010	Т	С	0.610	-0.016	0.002	2.6e-13
rs10957978	8	81285139	Т	G	0.647	-0.016	0.002	1e-12
rs2011566	8	95971921	Α	G	0.512	0.013	0.002	1.1e-09
rs12681644	8	119972974	Τ	С	0.211	-0.021	0.003	3.3e-15
rs4870977	8	127526842	С	G	0.871	-0.019	0.003	8.9e-10
rs11786536	8	129000416	Α	G	0.164	-0.028	0.003	1.9e-22
rs7840212	8	130599247	Τ	С	0.336	-0.040	0.002	1.8e-70
rs4236746	8	130699861	G	Α	0.975	0.056	0.007	2.3e-16
rs117961539	8	144989466	Α	G	0.039	-0.033	0.006	3.9e-09
rs34173062	8	145158607	Α	G	0.072	0.054	0.004	5.8e-35
rs460631	9	4851440	G	Α	0.885	0.027	0.003	6.6e-16
rs62541534	9	5028921	G	С	0.259	0.032	0.002	1.5e-40
rs4142528	9	6172296	Α	Т	0.672	-0.076	0.002	1e-200
rs1547258	9	6523056	С	Т	0.708	-0.020	0.002	1.3e-17
rs10962679	9	16905441	Č	Ť	0.755	-0.015	0.002	4.1e-10
rs7036656	9	21990457	Ť	Ċ	0.722	0.018	0.002	9.3e-15
rs9410887	9	86465395	Ċ	Ť	0.253	0.022	0.002	3e-19
rs1331691	9	94129137	Č	Ť	0.184	-0.030	0.003	2.7e-27
rs496475	9	113638236	Ğ	Ť	0.387	0.035	0.002	1.5e-58
rs7040707	9	117680732	Ğ	À	0.048	-0.034	0.005	5.6e-10
rs911603	9	117697584	Ä	C	0.403	-0.025	0.002	2.9e-29
rs2773818	9	135859519	Α	Č	0.447	0.014	0.002	5.2e-11
rs74612091	9	135877278	Α	T	0.063	0.060	0.004	4.9e-43
rs115478735	9	136149711	T	À	0.184	-0.028	0.003	1.5e-24
rs72766638	9	136931778	À	Ĉ	0.164	-0.025	0.003	2.8e-18
rs72775768	9	139324574	Ť	Č	0.104	0.023	0.003	2.5e-10 2.5e-20
rs11253517	10	970524	A	G	0.238	0.022	0.002	1.2e-51
rs1323650	10	6033049	Ť	G	0.230	-0.014	0.002	1.2e-31 1.8e-09
rs10905281						0.021	0.002	2.9e-14
	10	8109583	A	С	0.176			
rs2646438	10	8565675	A	G	0.566	-0.021	0.002	3.6e-22
rs1444782	10	9058671	Α	G	0.423	-0.040	0.002	2.1e-79
rs2992335	10	26727934	G	С	0.598	-0.035	0.002	1.1e-57
rs2807742	10	28781367	Α	G	0.770	0.038	0.003	8.7e-51
rs17482472	10	44859618	Α	G	0.099	-0.034	0.004	3.5e-21
rs16917546	10	64397538	С	Ţ	0.369	-0.045	0.002	5.5e-93
rs72834751	10	64559465	T	С	0.013	-0.069	0.010	6.2e-12
rs10998535	10	70805373	T	С	0.215	0.016	0.003	1.2e-09
rs564443	10	89807917	Α	G	0.163	0.024	0.003	1.2e-16
rs7897422	10	90849704	С	Т	0.191	0.021	0.003	7.1e-15
rs7918084	10	94429467	Т	С	0.550	0.030	0.002	4.7e-45
rs11591571	10	104342804	Α	G	0.339	0.016	0.002	4.1e-13
rs17126931	10	111754633	С	Τ	0.129	-0.022	0.003	1e-11
rs7080536	10	115348046	Α	G	0.043	-0.046	0.005	4.4e-18
rs1059091	11	309127	G	Α	0.321	0.034	0.002	9.8e-51

rs9666598	11	325386	G	С	0.843	-0.021	0.003	4.2e-13
rs58833930	11	2325997	T	C	0.043	-0.021	0.003	4.2e-13 2.5e-12
rs34439695	11	33901483	Τ̈́	C	0.113	-0.024	0.003	3.4e-12
rs3824867								
	11	47468569	G	A	0.712	0.018	0.002	1.2e-14
rs3016175	11	60830367	G	Α	0.881	0.021	0.003	4.7e-10
rs174548	11	61571348	G	C	0.314	-0.023	0.002	9e-24
rs689274	11	65665988	G	Α	0.543	0.033	0.002	4e-54
rs7936323	11	76293758	Α	G	0.478	0.041	0.002	3.2e-83
rs11236813	11	76343427	С	G	0.101	-0.031	0.004	5.6e-18
rs4409785	11	95311422	С	Т	0.172	0.018	0.003	6.2e-11
rs637064	11	108140909	Т	С	0.555	0.025	0.002	4.4e-32
rs964184	11	116648917	С	G	0.867	0.028	0.003	7.5e-20
rs7123726	11	118694547	С	Т	0.210	0.019	0.003	2.2e-13
rs10893844	11	128185850	С	G	0.502	0.024	0.002	4.5e-30
rs605093	11	128604232	Τ	G	0.473	-0.017	0.002	5.9e-16
rs12820863	12	4318723	Τ	С	0.351	0.022	0.002	1.2e-22
rs1800692	12	6442346	G	Α	0.587	-0.019	0.002	8e-19
rs3759332	12	6491078	С	Т	0.391	-0.013	0.002	3.8e-09
rs7302975	12	32138924	С	Τ	0.779	-0.023	0.003	7.3e-19
rs12581511	12	46573788	G	С	0.172	-0.018	0.003	1.6e-10
rs10876550	12	54712308	Α	G	0.559	0.014	0.002	1.4e-11
rs1689510	12	56396768	С	G	0.338	0.027	0.002	6.7e-34
rs3024971	12	57493727	G	Т	0.107	-0.039	0.003	6.7e-30
rs10859277	12	92521198	Τ	С	0.536	-0.024	0.002	1.4e-28
rs12313790	12	94632933	Α	С	0.085	-0.025	0.004	1.1e-10
rs1530161	12	96804649	G	Α	0.433	0.013	0.002	1.1e-09
rs73191842	12	110986507	G	Т	0.022	0.057	0.007	2.3e-15
rs1265564	12	111708458	С	Α	0.441	0.082	0.002	1e-200
rs182686482	12	112350744	С	Т	0.015	0.104	0.011	1.9e-21
rs373582220	12	112847812	Α	G	0.372	-0.041	0.003	7e-51
rs1557865	12	113342598	G	Т	0.817	-0.017	0.003	1.8e-09
rs1169286	12	121419056	С	Т	0.426	-0.013	0.002	7.2e-10
rs28866344	12	123885484	G	Α	0.907	-0.028	0.004	1.2e-14
rs12861824	13	31079184	Č	Т	0.273	-0.020	0.003	3.2e-15
rs7986796	13	40351064	Ť	Ġ	0.627	0.025	0.002	5e-30
rs34373380	13	41244217	À	Ť	0.305	0.037	0.002	1.3e-58
rs9533117	13	43046812	T	À	0.239	-0.019	0.002	1.8e-14
rs201798	13	50954721	À	Ğ	0.615	0.021	0.002	6.6e-22
rs7327960	13	74682892	C	Ť	0.826	0.017	0.003	6.7e-10
rs9557201	13	99989538	Ğ	À	0.272	0.019	0.002	2.6e-15
rs912131	13	100032346	G	A	0.702	0.027	0.002	4.3e-32
rs9590475	13	114961483	A	Ğ	0.413	-0.016	0.002	1.4e-13
rs10137343	14	23382640	T	A	0.604	0.013	0.002	3.4e-09
rs2239633	14	23589057	À	Ĝ	0.484	0.035	0.002	7.9e-61
rs2004925	14	25445362	A	G	0.393	0.033	0.002	2.1e-13
rs8020739	14	35882492	Ť	G	0.643	0.016	0.002	2.1e-13 2.6e-28
rs12432697	14	38053334	Τ̈́	G	0.043	-0.016	0.002	1.3e-10
rs6573020	14	55871452	†	C	0.234	0.021	0.002	
			Ċ					1.3e-22
rs7152277	14	65535391		G	0.399	0.016	0.002	3.8e-13
rs1296535	14	69297986	Ţ	С	0.779	-0.018	0.003	1.7e-12
rs1861160	14	73365712	A	G	0.317	0.015	0.002	2e-11
rs175705	14	75975648	G	С	0.719	0.039	0.002	8.7e-61
rs67856193	14	93024616	G	С	0.308	0.024	0.002	9.7e-26
rs117068593	14	93118229	T	C	0.189	-0.025	0.003	3e-20
rs11555542	14	94417531	С	Ţ	0.063	0.066	0.004	4.5e-51
rs11628569	14	103190362	G	Α	0.290	-0.018	0.002	1.9e-14

rs4906317	14	103814500	Т	G	0.504	-0.014	0.002	6.4e-10
rs62006172	15	38904527	A	G	0.042	-0.014	0.002	3.9e-13
rs7173571	15	41712807	Ĉ	T	0.526	0.038	0.003	1.5e-10
			G					
rs34212866	15	43702964		A	0.221	0.022	0.003	1e-17
rs11638256	15	58772807	C	T	0.120	0.020	0.003	2.6e-09
rs11637887	15	60765216	T	С	0.193	-0.016	0.003	4.7e-09
rs16943117	15	61078836	T	С	0.192	-0.018	0.003	5.9e-11
rs3101486	15	67346220	T	G	0.765	0.018	0.003	2.8e-13
rs17293632	15	67442596	T	С	0.236	0.030	0.003	3e-33
rs7498094	15	68486097	T	С	0.519	-0.013	0.002	1.6e-09
rs6494871	15	70767978	Т	С	0.595	0.015	0.002	3.1e-12
rs2115535	15	80195199	Α	G	0.568	0.034	0.002	4.3e-56
rs1138358	15	80263345	С	Α	0.264	-0.030	0.002	1.7e-36
rs13511	15	86284817	С	Т	0.577	-0.017	0.002	1.7e-14
rs5011652	15	91166608	С	G	0.759	0.020	0.002	2.9e-15
rs4785903	16	2838274	С	Т	0.755	-0.034	0.002	7.1e-43
rs9934736	16	3519252	G	Α	0.047	0.031	0.005	6.8e-10
rs7186106	16	11210831	Α	G	0.354	-0.047	0.002	5.2e-97
rs2072130	16	27356398	Т	С	0.365	0.030	0.002	3.7e-41
rs7201518	16	30082508	Τ	G	0.480	-0.030	0.002	5.3e-45
rs17881535	16	31108709	G	С	0.240	-0.017	0.002	2.5e-12
rs9924483	16	48646258	Т	С	0.310	-0.023	0.002	7.3e-24
rs1684578	16	57069650	Т	G	0.416	0.017	0.002	1.5e-14
rs2161647	16	57503330	Α	С	0.037	-0.041	0.006	2.1e-13
rs12918121	16	67187795	Τ	С	0.018	-0.047	0.008	4.4e-09
rs570765844	16	67618243	С	Τ	0.080	0.026	0.004	8.4e-11
rs1170439	16	68608511	С	Т	0.779	0.025	0.003	4.4e-23
rs13339407	16	78156295	G	Α	0.306	-0.014	0.002	2.1e-09
rs301161	16	85810349	Α	G	0.850	0.027	0.003	7e-20
rs12932970	16	86004110	С	Т	0.352	0.016	0.002	2.6e-13
rs17175830	16	88558164	Α	G	0.237	0.033	0.003	2.8e-39
rs112036266	17	2834143	Т	С	0.176	0.017	0.003	4.4e-10
rs34210653	17	4535314	Α	G	0.021	-0.176	0.007	1.6e-124
rs74480102	17	7742601	Α	Ğ	0.043	-0.084	0.005	1.1e-57
rs12941068	17	17737857	Α	Ğ	0.285	-0.015	0.002	2e-10
rs58745116	17	33803592	A	Ğ	0.392	-0.015	0.002	2.1e-11
rs79989390	17	37962845	A	Ğ	0.034	-0.072	0.006	4.4e-35
rs72836561	17	41926126	T	Č	0.031	-0.054	0.006	4.2e-19
rs1971374	17	43659738	Ċ	Ť	0.213	-0.033	0.003	6.4e-38
rs12952581	17	47448346	Ä	Ġ	0.362	0.029	0.002	8.1e-39
rs4968392	17	57799204	G	A	0.841	0.020	0.003	9.4e-12
rs7215391	17	64232022	T	C	0.257	-0.014	0.002	4.9e-09
rs62086903	17	66016006	Ċ	T	0.231	0.030	0.003	1.7e-32
rs180506	17	68274205	A	Ġ	0.776	-0.023	0.003	4e-20
rs78057960	17	73779075	T	C	0.776	-0.023	0.003	8.7e-15
rs12946146	17	81079703	Τ̈́	Č	0.486	0.016	0.002	1.2e-12
rs2847266	18	12773338	† T	C	0.460	-0.015	0.002	5.9e-10
rs12968697	18	20625431	† T	C	0.717	0.013	0.002	2.4e-15
rs9955853	18	43829655	Τ̈́	C	0.559	-0.013	0.002	
								4.9e-09
rs57633475	18	46469650	G	Α	0.122	-0.026	0.003	1.1e-15
rs637716	18	48481308	A	G	0.589	-0.013	0.002	8.9e-10
rs73963711	18	60874413	T	C	0.210	0.023	0.003	9.4e-18
rs954954	18	60902328	C	A	0.105	-0.035	0.003	1.7e-23
rs17758695	18	60920854	T	Ç	0.029	-0.121	0.006	1.7e-82
rs1395269	18	61377644	G	T	0.301	-0.024	0.002	1.1e-25
rs3848640	19	1037986	G	Α	0.329	-0.016	0.002	1.3e-11

rs36084354	19	1079959	Α	G	0.092 -0.044 0.004 1.1e-33
rs3746165	19	1102211	G	Α	0.469 -0.014 0.002 5.4e-11
rs61731111	19	3179517	Т	С	0.011 -0.131 0.010 1.5e-37
rs34466956	19	3353622	Τ	С	0.568 -0.013 0.002 2.2e-09
rs410867	19	16427111	G	Α	0.216 -0.061 0.003 2.2e-12
rs3786586	19	16495287	G	Α	0.155 0.032 0.003 6.9e-27
rs8108623	19	18408519	Α	С	0.626 0.018 0.002 4.9e-14
rs2043293	19	19751456	Α	С	0.826 -0.017 0.003 2.3e-09
rs117710327	19	33726578	Α	С	0.067 -0.036 0.004 9.1e-17
rs412884	19	40219449	С	Т	0.672 0.057 0.002 1.1e-14
rs62117160	19	45232161	Α	G	0.045 -0.048 0.005 1.1e-20
rs73036520	19	45749484	С	G	0.254 -0.031 0.002 7.9e-36
rs113577760	19	46365177	С	Т	0.091 -0.040 0.004 3.3e-27
rs6077868	20	10649761	Τ	С	0.206 -0.016 0.003 5.9e-10
rs3790315	20	17630045	Τ	С	0.580 -0.018 0.002 9e-17
rs80054178	20	30294682	С	Т	0.023 -0.084 0.007 1e-31
rs6141755	20	31163565	Τ	G	0.236 -0.016 0.003 8e-11
rs6017247	20	42657841	С	Т	0.729 -0.025 0.002 1.5e-24
rs6013210	20	50165634	G	С	0.118 -0.023 0.003 1.9e-12
rs7264802	20	62692440	G	Α	0.748 -0.016 0.002 2.9e-10
rs2223043	21	16438793	G	Α	0.305 0.020 0.002 9.1e-17
rs11701443	21	16931215	С	Т	0.202 0.017 0.003 3.7e-10
rs1000005	21	34433051	С	G	0.591 -0.020 0.002 3.1e-20
rs34872427	21	36294044	С	Τ	0.415 -0.020 0.002 7.7e-21
rs2242886	21	36387806	Τ	С	0.071 -0.102 0.004 1.4e-13
rs9979383	21	36715761	Т	С	0.630 0.030 0.002 1.1e-42
rs150229150	21	45641853	Τ	С	0.125 -0.021 0.003 5.1e-11
rs11703539	22	17594755	Α	G	0.102 -0.022 0.003 4.3e-10
rs5747308	22	18133500	С	Α	0.505 0.015 0.002 1.2e-12
rs7288670	22	24621826	G	Α	0.306 -0.025 0.002 2.6e-28
rs140074	22	31725634	G	С	0.486 0.023 0.002 2.4e-26
rs41280005	22	37316133	Α	G	0.167 -0.029 0.003 1e-23
rs228951	22	37529798	G	Α	0.363 -0.022 0.002 3.7e-22
rs2413631	22	41359786	Α	G	0.250 0.015 0.002 1.6e-09
rs34780507	22	41405753	G	Α	0.066 -0.059 0.004 1.4e-43
rs78023664	22	46647844	Α	G	0.092 -0.027 0.004 5.3e-13

Table S4. 388 SNPs significantly associated with eosinophil count used IVs in forward MR analyses derived from Chen MH et al. Chr: Chromosome; EA: Effect allele; NEA: Non-effect allele; EAF: Effect allele frequency.

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SNP	Chr	Pos	EA	NEA	EAF	Beta	SE	P-value
rs2419313	10	111750851	Α	G	0.143	-0.021	0.003	5.21e-13
rs7080536	10	115348046	Α	G	0.043	-0.044	0.005	1.17e-18
rs2992333	10	26727454	Α	G	0.599	-0.034	0.002	1.35e-63
rs2807740	10	28784483	Т	С	0.770	0.035	0.002	1.05e-50
rs17482472	10	44859618	Α	G	0.099	-0.031	0.003	5.34e-21
rs1323650	10	6033049	Т	G	0.681	-0.014	0.002	2.53e-10
rs10995240	10	64388631	Ċ	Ğ	0.368	-0.044	0.002	1.55e-101
rs72834751	10	64559465	Ť	Č	0.013	-0.072	0.009	1.5e-14
rs3747869	10	73520632	Ċ	A	0.901	0.020	0.003	2.31e-09
rs4746153	10	75598282	Č	G	0.185	0.020	0.003	8.58e-10
rs11255507	10	8109615	G	T	0.103	0.010	0.003	1.05e-14
rs2646438	10	8565675	A	Ġ	0.566	-0.021	0.003	1.03e-14 1.2e-24
			T	C				
rs495149	10	89795523			0.164	0.024	0.003	1.15e-19
rs962993	10	9053132	T	C	0.422	-0.040	0.002	4.92e-90
rs7897422	10	90849704	C	T	0.192	0.021	0.003	1.85e-16
rs2497318	10	94432000	T	С	0.443	-0.030	0.002	1.96e-49
rs1539174	10	974870	G	С	0.237	0.038	0.002	1.12e-59
rs637064	11	108140909	Τ	С	0.556	0.024	0.002	5.43e-34
rs964184	11	116648917	С	G	0.867	0.029	0.003	4.39e-23
rs10893844	11	128185850	С	G	0.502	0.025	0.002	3.49e-35
rs668248	11	128586262	С	G	0.616	-0.017	0.002	5.49e-16
rs214080	11	17299762	G	Α	0.580	0.013	0.002	1.37e-10
rs58833930	11	2325997	Τ	С	0.113	-0.023	0.003	1.03e-13
rs1059091	11	309127	G	Α	0.321	0.034	0.002	3.08e-56
rs9666598	11	325386	G	С	0.843	-0.020	0.003	1.36e-12
rs34439695	11	33901483	Т	С	0.035	-0.038	0.005	3.67e-12
rs80116434	11	57110622	Α	G	0.142	-0.020	0.003	9.09e-12
rs174548	11	61571348	G	С	0.314	-0.023	0.002	4.08e-27
rs11231727	11	64011854	Ť	C	0.431	-0.012	0.002	1.34e-09
rs634534	11	65665256	Ġ	Ä	0.542	0.033	0.002	5.83e-61
rs7936434	11	76293805	Č	G	0.478	0.043	0.002	4.08e-104
rs11236814	11	76343428	T	A	0.102	-0.030	0.003	3.46e-20
rs4409785	11	95311422	Ċ	Ť	0.172	0.016	0.003	4.25e-10
rs11571404	12	1041450	T	Ċ	0.203	0.015	0.002	5.57e-10
rs73202462	12	110266430	Ä	G	0.203	0.013	0.002	2.14e-13
rs11065822	12		Ť		0.020			
		111600134		G		0.065	0.002	1e-200
rs115647629	12	111811903	A	G	0.026	-0.067	0.007	6.69e-25
rs6490291	12	112177775	Α	T	0.964	-0.066	0.006	1.11e-29
rs146730870	12	112332996	Α	G	0.010	-0.087	0.010	
rs148219449	12	113339873	Α	G	0.014	0.064	0.010	6.02e-11
rs28532037	12	123883406	Α	G	0.907	-0.030	0.003	4.19e-18
rs4931002	12	32143169	Α	С	0.779	-0.022	0.002	1.73e-19
rs12820863	12	4318723	Τ	С	0.352	0.022	0.002	1.07e-25
rs12581511	12	46573788	G	С	0.173	-0.018	0.003	2.07e-11
rs1689510	12	56396768	С	G	0.338	0.027	0.002	1.06e-36
rs3024971	12	57493727	G	Т	0.107	-0.040	0.003	5.04e-36
rs1800692	12	6442346	G	Α	0.588	-0.018	0.002	8.92e-19
rs10777378	12	92518680	Α	G	0.536	-0.022	0.002	1.28e-29
rs10745763	12	96811386	Т	G	0.423	0.013	0.002	2.41e-11
rs12100034	13	114956773	Α	G	0.359	-0.017	0.002	2.6e-16
rs12861824	13	31079184	C	T	0.275	-0.021	0.002	2.59e-18
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rs7986796	13	40351064	Т	G	0.628	0.024	0.002	4.91e-32
rs6563842	13	41244297	Ť	G	0.306	0.024	0.002	3.39e-61
rs71429414	13	42945821	Ä	G	0.196	-0.019	0.002	1.03e-13
rs201798	13	50954721	A	G	0.130	0.020	0.002	5.71e-23
rs7327960	13	74682892	Ĉ	T	0.827	0.020	0.002	1.91e-11
rs2182885	13	99855124		Ġ	0.605	0.018	0.003	2.05e-38
			A					
rs11628569	14	103190362	G	A	0.290	-0.017	0.002	4.7e-14
rs2239633	14	23589057	Α	G	0.484	0.035	0.002	1.5e-68
rs7141943	14	25438250	G	Α	0.395	0.016	0.002	7e-15
rs8020739	14	35882492	T	G	0.644	0.025	0.002	2.57e-32
rs8012643	14	37692864	T	С	0.286	0.015	0.002	1.91e-12
rs6573020	14	55871452	Ţ	C	0.433	0.021	0.002	2.31e-24
rs8011585	14	65522223	A	T	0.397	0.016	0.002	1.5e-14
rs1296535	14	69297986	T	С	0.777	-0.019	0.002	3.35e-15
rs12878610	14	73389048	С	Т	0.476	-0.013	0.002	3.95e-11
rs175705	14	75975648	G	С	0.719	0.038	0.002	8.8e-67
rs67856193	14	93024616	G	С	0.308	0.024	0.002	1.63e-27
rs117068593	14	93118229	Т	С	0.190	-0.026	0.003	1.17e-24
rs11555542	14	94417531	С	Т	0.063	0.064	0.004	2.12e-54
rs62006172	15	38904527	Α	G	0.042	-0.038	0.005	4.62e-14
rs34212866	15	43702964	G	Α	0.221	0.020	0.002	5.74e-17
rs11071559	15	61069988	Τ	С	0.131	-0.022	0.003	4.94e-14
rs62011287	15	63791228	G	Α	0.344	-0.013	0.002	1.32e-09
rs17293632	15	67442596	Τ	С	0.236	0.030	0.002	8.92e-37
rs7257	15	80191343	Α	G	0.567	0.034	0.002	3.6e-63
rs8026803	15	80260014	С	Τ	0.261	-0.031	0.002	1.67e-43
rs13511	15	86284817	С	Τ	0.577	-0.016	0.002	4.13e-16
rs725613	16	11169683	G	Т	0.356	-0.047	0.002	4.78e-116
rs121564	16	20717360	Т	G	0.270	-0.017	0.002	1.26e-13
rs3785356	16	27349168	Т	С	0.298	0.030	0.002	1.7e-43
rs4280242	16	2830482	Т	C	0.754	-0.033	0.002	1.03e-45
rs9939774	16	30068354	Т	С	0.405	-0.029	0.002	1.98e-47
rs1039341	16	48574869	T	Č	0.311	-0.024	0.002	8.79e-29
rs1684578	16	57069650	Ť	Ğ	0.416	0.016	0.002	5.15e-16
rs16956811	16	57444002	Ġ	Ť	0.081	-0.029	0.004	1.75e-15
rs8050508	16	67303358	Ť	Ċ	0.031	0.035	0.006	1.01e-09
rs1170439	16	68608511	Ċ	Ť	0.779	0.023	0.002	7.86e-21
rs8044920	16	69838676	T	Ċ	0.376	0.012	0.002	3.59e-09
rs3850107	16	78150341	Ġ	Č	0.294	-0.014	0.002	3.94e-10
rs17689159	16	79742390	C	T	0.315	-0.014	0.002	1.4e-11
rs301162	16	85810647	Ğ	À	0.853	0.026	0.002	1.16e-20
rs17175830	16	88558164	A	Ĝ	0.238	0.020	0.003	4.13e-42
rs61426394	16	9053519	Ĉ	G	0.250	-0.025	0.002	6.99e-10
rs12941068	17	17737857	A	G	0.286	-0.023	0.004	9.59e-10
rs112036266	17	2834143	T	C	0.286	0.014	0.002	1.48e-10
rs58745116	17	33803592	A	G	0.391	-0.015	0.002	8.21e-14
rs79989390	17	37962845	Α	G	0.035	-0.069	0.005	3.28e-37
rs145947882	17	41809207	C	A	0.026	-0.060	0.006	2.98e-21
rs34210653	17	4535314	A	G	0.021	-0.176	0.007	8.11e-140
rs9889262	17	47398070	A	T	0.364	0.028	0.002	4.18e-43
rs72831272	17	57448441	A	G	0.029	0.035	0.006	3.16e-09
rs11869228	17	57800358	T	C	0.841	0.021	0.003	3.45e-14
rs62086903	17	66016006	C	T	0.232	0.030	0.002	2.27e-37
rs180506	17	68274205	Α	G	0.776	-0.023	0.002	5.82e-22
rs55868524	17	7170665	Α	G	0.606	0.013	0.002	9.91e-11
rs8076052	17	73779198	С	Α	0.296	-0.018	0.002	4.33e-17

rs74480102	17	7742601	Α	G	0.043	-0.083	0.005	2.52e-63
rs9709216	17	81081455	Ğ	T	0.487	0.018	0.002	1.21e-16
rs397187	17	8784759	Č	Ť	0.430	-0.012	0.002	1.28e-09
rs2847266	18	12773338	Ť	Ċ	0.717	-0.014	0.002	1.22e-10
rs9675999	18	20627691	À	Ğ	0.627	0.016	0.002	1.59e-15
rs57633475	18	46469650	G	Ä	0.122	-0.025	0.003	6.36e-16
rs2850542	18	48403560	Ť	Ğ	0.556	-0.013	0.002	6.5e-11
rs73963711	18	60874413	Ť	Č	0.211	0.022	0.002	3.28e-19
rs954954	18	60902328	Ċ	Ä	0.105	-0.035	0.003	3.57e-27
rs17758695	18	60920854	Ť	C	0.030	-0.122	0.006	1.32e-93
rs7241187	18	61375974	Ċ	Ť	0.301	-0.024	0.002	9.38e-28
rs36084354	19	1079959	Ä	Ġ	0.092	-0.045	0.003	1.17e-39
rs4588110	19	1102139	G	Ä	0.469	-0.015	0.002	3.37e-13
rs410867	19	16427111	Ğ	Α	0.217	-0.059	0.002	4.12e-134
rs3786586	19	16495287	Ğ	Α	0.155	0.032	0.003	4.42e-31
rs8108623	19	18408519	Ä	C	0.625	0.018	0.002	1.91e-16
rs1529745	19	19517325	G	Č	0.175	0.016	0.003	2.9e-09
rs61731111	19	3179517	Ť	Č	0.011	-0.132	0.010	7.57e-43
rs34466956	19	3353622	Ť	Č	0.568	-0.014	0.002	2.6e-11
rs118013485	19	33726577	A	Ğ	0.067	-0.034	0.004	1.54e-16
rs412884	19	40219449	C	T	0.672	0.058	0.002	2.22e-164
rs62117160	19	45232161	Ä	Ġ	0.045	-0.048	0.005	2.15e-23
rs117955557	19	45755368	T	Ğ	0.256	-0.030	0.002	1.44e-40
rs76793172	19	46359794	Ť	Č	0.092	-0.042	0.003	8.07e-34
rs2967592	19	8598280	Ċ	Ť	0.122	-0.018	0.003	3.29e-09
rs111759324	1	101652522	Ť	Ċ	0.111	-0.043	0.003	3.56e-42
rs1160413	1	111315694	Ġ	Ä	0.240	-0.015	0.002	2.97e-10
rs35249183	1	12099345	Ğ	Α	0.100	0.040	0.003	1.46e-32
rs11204682	1	150595537	Ť	G	0.223	-0.041	0.002	4.89e-67
rs71628184	1	160596935	T	Č	0.094	0.021	0.003	8.32e-10
rs34448954	1	161168189	T	Č	0.106	-0.025	0.003	3.87e-15
rs6672031	1	172796505	G	С	0.486	0.020	0.002	1.9e-23
rs1099448	1	173231898	Т	С	0.466	0.018	0.002	8.32e-19
rs4652560	1	181057188	Т	Α	0.618	-0.015	0.002	5.23e-14
rs17849502	1	183532580	Т	G	0.052	-0.027	0.004	1.29e-09
rs17668272	1	198623842	Τ	G	0.118	-0.042	0.003	7.48e-42
rs1036332	1	199012478	С	Α	0.737	-0.033	0.002	1.61e-47
rs1414517	1	221092838	G	С	0.187	-0.025	0.003	1.36e-22
rs708776	1	226923505	Т	G	0.941	0.027	0.004	2.91e-10
rs4148757	1	229693846	С	Α	0.210	-0.017	0.002	2.24e-12
rs3218148	1	23851787	Α	G	0.540	-0.018	0.002	7.08e-19
rs2502995	1	24199290	С	Τ	0.570	0.022	0.002	1.06e-27
rs4149909	1	242023898	G	Α	0.033	-0.033	0.006	2.07e-09
rs12097268	1	2477358	Α	Τ	0.482	-0.013	0.002	3.23e-11
rs113105190	1	28614481	С	Τ	0.068	-0.033	0.004	5.19e-17
rs4310436	1	39489221	Α	G	0.120	0.019	0.003	9.15e-10
rs1004870	1	42370787	Т	С	0.589	0.026	0.002	1.27e-38
rs77625297	1	65362766	С	G	0.035	-0.046	0.006	2.79e-16
rs12408934	1	65423447	Α	G	0.103	-0.041	0.003	2.36e-36
rs41313381	1	79411968	Α	С	0.031	0.050	0.006	7.05e-19
rs159963	1	8504421	Α	С	0.582	0.019	0.002	9.88e-22
rs6684992	1	87752000	Τ	Α	0.119	0.038	0.003	6.06e-35
rs4908835	1	9357460	С	Т	0.161	0.019	0.003	1.8e-12
rs661126	1	93678968	G	Т	0.624	0.023	0.002	9.02e-29
rs4529711	1	9709735	С	Т	0.320	-0.020	0.002	3.7e-20
rs3790163	20	10647951	G	Α	0.792	-0.015	0.003	1.35e-09

rs6080761	20	17629162	Α	G	0.419	0.018	0.002	4.75e-20
rs80054178	20	30294682	С	Т	0.022	-0.082	0.007	8.57e-34
rs6141755	20	31163565	Τ	G	0.236	-0.017	0.002	8.3e-13
rs6103572	20	42657862	С	Τ	0.729	-0.024	0.002	5.96e-27
rs3746420	20	50140627	С	G	0.061	-0.032	0.004	2.26e-14
rs2223043	21	16438793	G	Α	0.307	0.019	0.002	3.23e-17
rs11701475	21	16931347	С	Т	0.223	0.015	0.002	1.06e-09
rs11088236	21	34416187	Т	С	0.453	0.018	0.002	5.17e-20
rs28421324	21	36286938	Т	Α	0.102	0.036	0.003	1.57e-27
rs56117721	21	36398586	À	Т	0.072	-0.104	0.004	6.64e-160
rs114152720	21	36434894	A	Ġ	0.030	-0.036	0.006	8.08e-10
rs9979383	21	36715761	T	Č	0.630	0.028	0.002	8e-43
rs2838317	21	44991791	Ċ	A	0.550	0.013	0.002	1.2e-10
rs7354779	21	45670770	C	Ť	0.330	0.013	0.002	2.71e-15
	22							
rs11703539		17594755	A	G	0.102	-0.022	0.003	2.82e-11
rs5747308	22	18133500	С	Α	0.505	0.016	0.002	4.82e-15
rs7288670	22	24621826	G	Α	0.306	-0.026	0.002	4.51e-34
rs739427	22	31659101	С	G	0.512	-0.022	0.002	1.06e-29
rs60175411	22	37311858	Α	G	0.167	-0.030	0.003	1.25e-28
rs743002	22	41404939	С	Т	0.066	-0.059	0.004	2.9e-48
rs73176685	22	41781094	G	С	0.243	0.024	0.002	1.07e-24
rs8142080	22	46647429	Τ	G	0.102	-0.024	0.003	5.72e-13
rs72998585	2	102858490	Τ	Α	0.134	-0.091	0.003	1e-200
rs6736701	2	106390440	Τ	G	0.409	0.013	0.002	1.98e-10
rs72836346	2	111876613	С	G	0.079	0.070	0.004	4.38e-76
rs4848139	2	112418002	Т	С	0.525	0.019	0.002	4.82e-21
rs925966	2	136806959	Ġ	Č	0.759	-0.018	0.002	1.32e-14
rs79716587	2	143886819	Ä	Ğ	0.127	-0.024	0.003	3.99e-16
rs1427499	2	145400317	G	Ä	0.710	0.019	0.002	1.3e-17
rs1406449	2	148495285	Č	T	0.462	-0.012	0.002	8.69e-10
rs10195713	2	158520905	T	Ċ	0.864	0.025	0.003	2.74e-17
rs10930337	2	169695031	Ť	Č	0.285	0.015	0.002	2.03e-11
rs6731125	2	182308836	Ċ	T	0.565	0.013	0.002	1.04e-17
rs1519602	2	197027792	G	Ť	0.648	0.017	0.002	7.43e-10
rs62183994	2	204614872	T	Ç	0.051	0.027	0.005	2.65e-09
rs715	2	211543055	С	T	0.311	0.018	0.002	3.1e-16
rs6750754	2	213830187	G	T	0.264	-0.064	0.002	8.35e-179
rs35409523	2	213908457	A	G	0.076	0.050	0.004	1.43e-40
rs2713548	2	227156662	T	С	0.633	0.013	0.002	1.02e-09
rs7423615	2	231116874	T	С	0.187	0.023	0.003	5.1e-20
rs1057258	2	234115629	Т	C	0.178	-0.032	0.003	2.52e-35
rs34290285	2	242698640	Α	G	0.257	-0.046	0.002	4.73e-91
rs76474320	2	242806022	С	Т	0.077	0.028	0.004	5.76e-14
rs80066203	2	26220710	Τ	С	0.068	-0.024	0.004	8.53e-10
rs11695281	2	28686568	Τ	С	0.514	-0.023	0.002	4.09e-31
rs6753015	2	28875673	Τ	Α	0.315	-0.013	0.002	2.42e-09
rs10165678	2	30446568	Α	G	0.758	-0.015	0.002	1.9e-10
rs17682575	2	43152304	Τ	С	0.201	-0.018	0.002	1.33e-12
rs149290349	2	43451957	Α	G	0.075	-0.027	0.004	1.18e-12
rs778756	2	61781994	G	Α	0.580	-0.016	0.002	1.57e-15
rs7569084	2	65656969	T	С	0.584	0.019	0.002	1.19e-20
rs346835	2	8438693	Ť	Č	0.328	-0.027	0.002	7.55e-37
rs62105489	2	8757326	Ė	Č	0.053	-0.027	0.002	1.13e-11
rs56268488	2	95902245	Ä	Ğ	0.035	-0.030	0.004	4.14e-09
rs2579505	2	97167962	C	T	0.638	0.042	0.004	5.79e-94
rs4618204	3	101281534	C	Ť	0.636	0.042	0.002	1.09e-19
1540 10204	3	101201334	U	1	0.444	0.010	0.002	1.096-19

rs4684037	3	10228040	G	С	0.144	-0.021	0.003	4.24e-13
rs111413886	3	111821047	Ä	Ğ	0.031	-0.040	0.006	3.16e-12
rs1131199	3	112059768	G	Č	0.530	-0.025	0.002	9.55e-36
rs2399441	3	112587012	Č	T	0.351	-0.019	0.002	8.08e-20
rs10222469	3	121977125	Č	À	0.819	0.017	0.003	4.95e-11
rs310747	3	12259545	Ğ	T	0.625	-0.029	0.002	1.65e-44
rs6802327	3	12410892	T	Ġ	0.020	0.027	0.003	2.43e-21
rs62270951	3	128225277	Ġ	A	0.037	-0.043	0.005	1.92e-16
rs73238201	3	142204728	T	Ĉ	0.179	-0.046	0.003	1.52e-10
rs1516527	3	148609704	Ċ	T	0.173	-0.032	0.005	2.25e-12
rs4680250	3	150941492	Ğ	Ċ	0.693	-0.032	0.003	4.85e-13
rs76830965	3	159637678	A	Č	0.033	-0.023	0.002	3.27e-14
rs4464488	3	171498211	Ť	C	0.116	-0.023	0.003	1.99e-12
rs4074672	3	183730295	Τ̈́	Č	0.369	0.015	0.002	1.48e-12
rs9815874	3	188441161	Τ̈́	C	0.309	0.013	0.002	1.40e-12 1.93e-39
rs9818987	3	194402430	, T	C	0.306	0.028	0.002	2.6e-10
rs7636495	3	196367936	A	G	0.300	-0.024	0.002	1.84e-20
rs2089979	3	196501413	G	A	0.161	-0.024	0.003	1.04e-20 1.25e-13
	3		C	T				
rs13073683	3	25393837		T	0.399 0.453	0.016	0.002	1.32e-14
rs1353286		27772014	G			0.020	0.002	3.09e-24
rs1695315	3	3153339	A	G	0.605	-0.034	0.002	1.56e-61
rs7646283	3	33046480	T	C	0.368	0.026	0.002	2.33e-36
rs2228467	3	42906116	С	T	0.062	0.062	0.004	8.83e-52
rs13316620	3	49045355	C	T	0.659	0.027	0.002	1.16e-33
rs12487980	3	71760041	A	С	0.634	0.013	0.002	1.5e-09
rs7646695	3	72172181	T	С	0.180	0.018	0.003	1.82e-11
rs7649812	3	98449191	G	C	0.243	0.016	0.002	3.74e-12
rs13105682	4	102702364	G	Ţ	0.060	-0.027	0.004	8.22e-10
rs113473633	4	103449131	G	A	0.026	-0.063	0.007	3.47e-22
rs6827756	4	123184411	С	T	0.638	-0.020	0.002	5.39e-23
rs2390353	4	123602097	С	Ţ	0.232	0.023	0.002	3.04e-22
rs13120371	4	139092719	G	Α	0.327	0.015	0.002	3e-13
rs11931711	4	153291513	T	C	0.282	0.019	0.002	3.48e-18
rs7441808	4	26090375	G	Α	0.301	0.014	0.002	1.22e-10
rs1828803	4	2689449	Α	С	0.392	0.013	0.002	1.28e-10
rs73232881	4	38664131	С	Ţ	0.213	0.067	0.002	8.22e-171
rs2566133	4	39022515	С	T	0.584	-0.014	0.002	1.06e-12
rs62308111	4	57738491	Т	G	0.221	0.015	0.002	1.5e-10
rs7687708	4	6906076	G	T	0.220	-0.015	0.002	1.56e-09
rs13138355	4	83545976	Т	С	0.186	-0.055	0.003	2.35e-102
rs10062687	5	10624866	G	T	0.233	0.024	0.002	9.47e-25
rs139640694	5	109938754	G	Α	0.093	0.025	0.003	3.54e-13
rs79881201	5	110427795	Т	С	0.360	0.040	0.002	4.72e-85
rs10059018	5	110501604	Т	G	0.201	-0.023	0.002	3.38e-21
rs17516457	5	131590387	С	Т	0.417	-0.064	0.002	1e-200
rs137906075	5	131972916	G	Α	0.046	0.043	0.005	1.39e-18
rs17653687	5	133468000	G	Α	0.179	-0.018	0.003	4.06e-12
rs7700687	5	141491985	Т	С	0.617	0.040	0.002	4.82e-86
rs55977204	5	142501095	С	Τ	0.113	0.020	0.003	3.6e-10
rs16903574	5	14610309	G	С	0.078	0.029	0.004	1.17e-13
rs56330463	5	148200011	С	Τ	0.553	0.039	0.002	5.38e-86
rs73272842	5	150453888	Α	G	0.123	-0.025	0.003	4.84e-17
rs2431097	5	159890885	Т	С	0.486	0.015	0.002	5.95e-14
rs62385501	5	171950231	Α	Т	0.308	-0.014	0.002	1.68e-11
rs6556313	5	176792491	G	Α	0.332	0.019	0.002	2.16e-20
rs1961220	5	35844125	Α	G	0.340	-0.035	0.002	2.64e-63

rs4703589	5	72097351	С	Т	0.533	0.014	0.002	3.26e-13
rs4703730	5	76549688	Ť	Ċ	0.517	-0.016	0.002	6.91e-16
rs34495	5	98265807	T	Ğ	0.304	-0.020	0.002	3.67e-20
rs62420764	6	106799970	Ċ	T	0.140	0.019	0.002	4.21e-11
rs12208103	6	107442431	T	Ċ	0.140	-0.031	0.003	6.83e-50
rs783646	6	117286220	Ċ	G	0.817	-0.031	0.002	2.41e-13
rs9389268	6	135419631	G	A	0.256	-0.045	0.002	3.69e-87
rs6924387	6	137082948	G	A	0.410	0.017	0.002	2.19e-16
rs113496608	6	138161666	Α	G	0.030	-0.045	0.006	1.13e-14
rs13207791	6	143249749	G	Α	0.089	0.026	0.004	4.3e-13
rs149110519	6	144385777	T	С	0.036	0.038	0.005	1.39e-12
rs3093023	6	167534290	Α	G	0.434	0.013	0.002	2.27e-10
rs41546314	6	29910378	T	C	0.290	0.060	0.002	1.29e-166
rs6929022	6	33562447	G	Α	0.282	-0.029	0.002	1.39e-40
rs10456428	6	35012302	Т	С	0.235	-0.023	0.002	1.17e-22
rs56987668	6	35319253	С	Т	0.037	-0.045	0.005	1.21e-17
rs3793084	6	42142244	С	Т	0.183	0.015	0.003	2.89e-09
rs9349322	6	45634092	С	Α	0.147	0.022	0.003	4.04e-15
rs9504361	6	577820	G	Α	0.447	-0.032	0.002	7.98e-56
rs138305038	6	88014416	G	С	0.474	-0.016	0.002	2.07e-15
rs62408224	6	90955995	G	Α	0.350	-0.042	0.002	5.69e-92
rs73187850	7	101867824	Τ	Α	0.278	0.018	0.002	8.69e-17
rs12705849	7	112782556	Α	G	0.407	-0.021	0.002	2.55e-24
rs7797428	7	124886883	Τ	С	0.469	0.012	0.002	5.85e-10
rs3823536	7	128579666	Α	G	0.467	-0.018	0.002	3.16e-19
rs56179563	7	129685597	Α	G	0.389	0.018	0.002	3.87e-18
rs3110791	7	135367828	С	Т	0.623	0.015	0.002	7.49e-14
rs12530946	7	148887942	G	Α	0.613	0.043	0.002	3.99e-97
rs12540285	7	150312474	G	Α	0.221	0.015	0.002	1.01e-09
rs6979947	7	157005863	Ğ	Α	0.266	0.013	0.002	3.75e-09
rs10950642	7	17016646	Ä	G	0.363	-0.019	0.002	4.15e-20
rs61210140	7	20503007	Α	Ğ	0.245	-0.058	0.002	7.12e-141
rs4722171	7	22785717	G	Ä	0.592	-0.027	0.002	1.83e-41
rs6971710	7	3140173	Ä	Ğ	0.201	0.028	0.002	2.75e-30
rs60600003	7	37382465	G	T	0.100	0.043	0.003	3.05e-38
rs1037674	7	50217850	Ť	Ġ	0.292	0.013	0.002	1.63e-09
rs13226583	7	75454152	Ť	Ä	0.116	-0.062	0.003	1.59e-88
rs55879743	7	75470364	Ť	Ċ	0.066	0.002	0.004	7.07e-82
rs62473720	7	77254547	Ġ	A	0.317	0.014	0.002	2.64e-11
rs56195338	7	8107922	A	Ğ	0.058	-0.030	0.004	1.88e-12
rs4272	7	92236829	Ğ	A	0.212	0.028	0.002	2.68e-30
rs445	7	92408370	T	Ĉ	0.212	-0.053	0.002	2.84e-56
rs12681644	8	119972974	T	Č	0.037	-0.033	0.003	1.23e-15
rs13251643	8	126240768	Τ̈́	A	0.212	0.030	0.002	3.54e-10
rs4870977	8	127526842	Ċ	Ğ	0.871	-0.019	0.003	2.4e-10
	8	129000416		G				
rs11786536			A		0.165	-0.027	0.003 0.002	5.11e-23
rs7840212	8	130599247	T	C	0.337	-0.040		7.11e-81
rs4236746	8	130699861	G	A	0.975	0.057	0.006	6.78e-19
rs117961539	8	144989466	A	G	0.040	-0.031	0.005	2.63e-09
rs34173062	8	145158607	A	G	0.073	0.055	0.004	1.55e-40
rs3208305	8	19823648	Ţ	Α	0.287	0.013	0.002	8.64e-10
rs4871849	8	22964719	A	G	0.707	-0.033	0.002	1.06e-51
rs10088702	8	27263107	T	C	0.264	-0.017	0.002	2.1e-13
rs45577137	8	48651633	G	A	0.045	-0.060	0.005	5.1e-31
rs62539154	8	48677930	A	G	0.097	0.027	0.003	7.2e-16
rs7846314	8	61650831	Т	Α	0.187	-0.033	0.003	3.92e-38

rs6989099	8	66898262	С	Т	0.317	-0.018	0.002	8.58e-17
rs2887502	8	79756591	T	Ċ	0.590	-0.014	0.002	1.74e-11
rs6986109	8	81286298	Ť	Ğ	0.704	-0.016	0.002	4.24e-14
rs4240624	8	9184231	À	Ğ	0.909	-0.020	0.003	3.62e-09
rs574183	8	95973816	Ğ	A	0.389	-0.020	0.003	1.2e-11
rs7026022	9	102562216	C	Ā	0.378	0.012	0.002	3.38e-09
rs496475	9	113638236	G	Ť	0.376	0.012	0.002	1.83e-66
rs911603	9	117697584	A	Ċ	0.387		0.002	1.42e-33
rs74612091	9	135877278		T		-0.025 0.061		1.42e-33 1.23e-49
			A		0.063		0.004	
rs460631	9	4851440	G	Α	0.885	0.026	0.003	1.88e-16
rs7868130	9	4998401	T	C	0.259	0.032	0.002	3.35e-46
rs4142528	9	6172296	Α	T	0.672	-0.075	0.002	1e-200
rs1547258	9	6523056	C	T	0.708	-0.019	0.002	1.49e-18
rs295273	9	86466968	Α	G	0.256	0.021	0.002	1.5e-19
rs6479336	9	94110288	Α	T	0.185	-0.029	0.003	3.44e-30
rs78691875	12	113070264	С	Α	0.979	0.051	0.007	1.69e-13
rs12928503	16	67377216	C	T	0.980	0.049	0.007	1.92e-11
rs151036504	6	31409578	С	Τ	0.985	-0.062	0.008	2.5e-14
rs150640087	7	50444152	G	Т	0.984	-0.100	0.008	1.8e-35
rs10892296	11	118718729	Т	С	0.195	0.018	0.003	2.63e-12
rs12577643	11	47467172	Τ	Α	0.326	0.017	0.002	4.31e-15
rs11559982	12	54711574	G	Α	0.556	0.014	0.002	1.92e-12
rs4906317	14	103814500	Τ	G	0.505	-0.015	0.002	9.44e-12
rs8010804	14	23396480	G	Т	0.614	0.013	0.002	6.51e-10
rs4924544	15	41693455	Т	G	0.525	0.015	0.002	4.26e-13
rs76758258	15	91190935	Α	Τ	0.240	-0.020	0.002	2.4e-16
rs7184899	16	4472087	Α	Τ	0.704	-0.014	0.002	1.16e-09
rs9906974	17	43822772	С	Τ	0.220	-0.034	0.002	8.37e-44
rs4789797	17	80527895	Α	G	0.587	0.012	0.002	2.67e-09
rs3848640	19	1037986	G	Α	0.329	-0.016	0.002	9.78e-13
rs2793925	1	120652158	Α	Τ	0.684	0.017	0.002	7.93e-14
rs111548294	1	150911337	Т	С	0.013	0.087	0.009	2.61e-21
rs12116645	1	204524474	Т	G	0.675	0.016	0.002	6.31e-13
rs192397873	1	28002091	С	Τ	0.053	0.030	0.005	1.56e-10
rs2422631	20	1556758	С	Т	0.739	-0.014	0.002	2.04e-09
rs7264802	20	62692440	G	Α	0.749	-0.015	0.002	1.07e-10
rs12622600	2	71279940	Т	С	0.270	-0.016	0.002	9.11e-12
rs11126424	2	74262353	С	Т	0.306	-0.016	0.002	1.84e-12
rs2366640	2	85810734	С	Α	0.319	-0.017	0.002	5.08e-14
rs112924476	3	128265131	Ā	G	0.119	-0.098	0.003	1e-200
rs6765218	3	128380332	G	Ä	0.254	0.045	0.002	2.65e-80
rs191674933	3	169488691	Ť	A	0.240	0.025	0.002	4.26e-25
rs186984319	6	16702251	Ċ	T	0.318	-0.013	0.002	4.37e-09
rs9270464	6	32558914	Ğ	À	0.345	-0.035	0.002	5.57e-52
rs9272400	6	32604898	Ä	Ğ	0.655	0.055	0.002	5.11e-130
rs2666969	6	336410	G	A	0.256	-0.040	0.003	7.32e-38
rs77396612	7	138737519	C	A	0.025	0.040	0.007	4.33e-09
rs572698961	7	50802158	Ā	Ĉ	0.025	-0.031	0.007	4.86e-17
rs56072276	7	98778222	A	Ğ	0.688	-0.016	0.002	6.88e-13
rs7040707	9	117680732	Ğ	A	0.048	-0.010	0.002	1.69e-09
rs115478735	9	136149711	T					1.09e-09 1.1e-25
rs146671954	9	136934203		A G	0.183 0.164	-0.028 -0.025	0.003	2.1e-25
rs68142670	9	139324573	A C	T	0.164	0.023	0.003	2.1e-20 3.07e-21
rs10962679	9		C	T				
		16905441			0.754	-0.014	0.002	1.26e-09
rs7874405	9	21980944	T	C	0.712	0.018	0.002	9.15e-16
rs12339911	9	34845984	Α	Т	0.613	-0.013	0.002	6.18e-10

rs193101979 5 129836370 I D 0.160 0.017 0.003 3e-09

Table S5. 146 SNPs significantly associated with basophil count used IVs in forward MR analyses derived from Vuckovic D et al. Chr: Chromosome; EA: Effect allele: NEA: Non-effect allele: FAE: Effect allele frequency

allele; NEA: N	allele; NEA: Non-effect allele; EAF: Effect allele frequency.										
SNP	Chr	Pos	EΑ	NEA	EAF	Beta	SE	P-value			
rs35076930	1	17677636	Τ	С	0.293	0.021	0.003	1.3e-13			
rs12097415	1	21506276	Α	Т	0.547	-0.021	0.002	9.3e-21			
rs3917932	1	36943916	G	С	0.577	-0.015	0.002	1.3e-11			
rs17613339	1	118139540	Т	С	0.128	-0.022	0.003	6.7e-11			
rs12143614	1	150932696	Α	Т	0.117	-0.023	0.003	5e-11			
rs12075	1	159175354	Α	G	0.579	0.031	0.002	2.5e-43			
rs2926468	1	161612578	С	Ť	0.468	-0.019	0.002	5e-17			
rs10798014	1	185394834	Ğ	A	0.321	-0.014	0.002	4.7e-09			
rs12123922	1	205140436	Ä	G	0.441	-0.031	0.002	1.5e-44			
rs1086893	1	212563114	C	Ť	0.344	0.032	0.002	3.2e-43			
rs10927074	1	236103965	Č	Ť	0.892	0.088	0.004	4.7e-135			
rs62105478	2	8735869	Ä	Ġ	0.052	-0.031	0.005	8.9e-10			
rs12470883	2	65651851	A	Ğ	0.409	0.022	0.002	8.1e-23			
rs4851592	2	103087641	T	Č	0.303	0.017	0.002	1.5e-12			
rs1427499	2	145400317	Ġ	Ä	0.710	0.017	0.002	6.3e-12			
rs78862952	2	146506667	Č	T	0.092	0.026	0.004	2.4e-11			
rs1424951	2	148533708	Č	Ť	0.334	0.015	0.002	2.4e-10			
rs4602187	2	181834018	T	Ċ	0.683	0.015	0.002	2.2e-10			
rs4667282	2	182312809	À	T	0.561	0.016	0.002	3e-13			
rs73987603	2	213844822	A	Ġ	0.166	0.024	0.003	1.2e-15			
rs10716631	2	219138170	Ğ	T	0.536	0.024	0.002	6e-14			
rs4324460	3	3120542	G	†	0.219	0.017	0.002	8.3e-11			
rs1669340	3	3198380	T	Ġ	0.839	-0.025	0.003	1.1e-16			
rs6766037	3	16908186	Ġ	A	0.039	-0.023	0.003	1.1e-10 1.1e-52			
rs12497690	3	27795397	C	A	0.210	0.016	0.003	6.7e-12			
rs3181077	3	46250652	T	Ĉ	0.718	-0.043	0.002	1.2e-69			
rs13063578	3	47087837	Ä	T	0.401	0.043	0.002	2.4e-13			
rs6782812	3	128317997	A	Ġ	0.893	0.069	0.002	9.2e-82			
rs9819371	3	141206800	Ť	C	0.065	-0.033	0.004	3.5e-13			
rs1973791	3	187416634	Ä	C	0.617	-0.033	0.004	7.4e-15			
rs13434265	3	196489422	Ť	C	0.415	-0.013	0.002	4.9e-09			
rs11930388	4	9985884	Τ̈́	C	0.413	-0.016	0.002	4.9e-09			
rs10023310	4	79629863	Ċ	T	0.601	0.017	0.003	3.3e-13			
rs906149	4	83537777	G	Ċ	0.221	-0.017	0.002	1.4e-10			
rs55913164	4	87898930	C	T	0.221	-0.017	0.003	8.9e-29			
rs374187209	4	103410817	A	† T	0.150	-0.031	0.003	1e-11			
rs10214237	5	35883734	Ĉ	† T	0.435	-0.010	0.002	4.1e-14			
rs34500	5	98294885	A	G	0.273	-0.019	0.002	1.7e-12			
rs2271352	5	126091428	Ĉ		0.004	0.046	0.004	2.8e-66			
rs6579875	5	150782574	T	G C	0.220	-0.046	0.003	4.8e-12			
rs2594836	5	173205318	A	G	0.369	-0.010	0.002	6.4e-12			
rs62393575	6		C								
rs1100575	6	7058516 22373710		G	0.053	-0.030 0.022	0.005 0.002	3.1e-09 9.3e-23			
rs2524079	6	31242174	A	G	0.545		0.002	9.3e-23 1.3e-44			
rs9267893	6	32202221	A T	G A	0.417	0.031 -0.026	0.002	3.9e-21			
rs141378803	6	32490016	A	G	0.210 0.233	0.027	0.003	6.4e-18			
	6		T	C			0.003				
rs915125 rs72895231	6	82463376	A		0.279	-0.034 -0.017		3.3e-43 9e-14			
		82679396 109621494	C	C	0.596		0.002				
rs6927569	6			T	0.523	0.019	0.002	1.3e-18			
rs9376098	6	135499460	A	T	0.349	0.026	0.002	2e-28			
rs73049252	7	8016602	Α	G	0.059	-0.044	0.005	1.2e-20			

rs2158799	7	28277107	G	С	0.610	0.016	0.002	2.2e-12
rs56388170	7	28724374	T	G	0.010	0.010	0.002	5.5e-44
rs149007767	7	50370254	Τ̈́	C	0.292	0.034	0.002	4.4e-24
rs1186222	7	75247329	Τ̈́	C	0.162	-0.027	0.003	1.9e-33
rs11974227	7	80222408	Τ̈́	C	0.462	0.027	0.002	5.4e-10
-								
rs8179	7	92236164	C	T	0.792	-0.034	0.003	3.5e-36
rs445	7	92408370	T	С	0.096	-0.087	0.004	2.5e-119
rs11772895	7	143081942	С	G	0.277	0.040	0.002	3.3e-58
rs9314614	8	6697731	G	С	0.533	0.033	0.002	7.1e-49
rs2738104	8	6792257	Α	G	0.673	0.021	0.002	1.2e-18
rs10086568	8	6900336	Α	G	0.321	-0.041	0.002	6.8e-67
rs877116	8	10712945	T	G	0.589	0.017	0.002	3.2e-14
rs9644063	8	22974450	С	T	0.823	-0.027	0.003	1.6e-20
rs45577137	8	48651633	G	Α	0.045	-0.052	0.006	1.3e-19
rs16923637	8	59567885	Т	G	0.286	0.014	0.002	3.9e-09
rs7818415	8	70727663	Α	Т	0.485	-0.014	0.002	1e-09
rs4541868	8	106590705	Α	С	0.275	-0.018	0.002	3.9e-13
rs10956401	8	129002419	Α	G	0.343	-0.017	0.002	2.7e-13
rs3731211	9	21986847	Α	Τ	0.722	0.017	0.002	4.2e-12
rs12376511	9	22142756	С	Τ	0.162	-0.019	0.003	1.2e-10
rs2150052	9	113945067	Т	Α	0.505	-0.014	0.002	5.7e-10
rs11253511	10	964832	Т	С	0.238	0.052	0.003	1.4e-87
rs11595895	10	26734518	Α	С	0.403	0.024	0.002	2.7e-26
rs2998286	10	28780373	С	Т	0.769	0.025	0.003	4.4e-21
rs1897191	10	77143467	G	Α	0.617	-0.019	0.002	2.3e-16
rs56014906	10	102103508	G	Α	0.368	-0.018	0.002	3.9e-15
rs11195959	10	114199287	Α	G	0.096	0.023	0.004	1.8e-09
rs3781452	10	126355129	Т	С	0.633	0.022	0.002	7.1e-21
rs1058900	11	308290	С	Т	0.568	0.018	0.002	8.2e-15
rs12278324	11	3862058	Ā	Ċ	0.619	0.016	0.002	2.3e-12
rs742631	11	32077472	T	Č	0.282	-0.016	0.002	6.6e-11
rs531612	11	65705432	Ť	Č	0.509	0.013	0.002	4.4e-09
rs74472890	11	72946279	Ċ	Ť	0.049	0.119	0.005	4.7e-120
rs4753251	11	89654536	Ä	Ť	0.730	-0.016	0.003	9.2e-11
rs2606724	11	113957880	A	Ġ	0.455	0.017	0.002	3.2e-13
rs10893845	11	128186882	Ğ	T	0.502	-0.014	0.002	8.5e-11
rs2286599	12	6499533	Ä	Ġ	0.142	0.020	0.003	3.4e-10
rs146970669	12	27103449	A	Ğ	0.093	0.026	0.004	9.9e-12
rs117053853	12	51720047	Α	Ğ	0.011	0.124	0.011	2.8e-31
rs2118140	12	66698461	G	A	0.528	0.015		2.6e-11
rs75084335	12	76981753	G	Ĉ	0.069	0.015	0.002	3e-15
rs3184504	12	111884608	C	T	0.519	-0.029	0.004	3.1e-39
rs11064881	12	120146925	A	Ġ	0.073	-0.023	0.002	5.5e-15
rs4475963	12	129302255	Ğ	T	0.370	-0.033	0.004	2.4e-13
rs76428106	13	28604007	C	Ť	0.013	0.082	0.002	8.8e-16
rs149391212		23544999	T	Ċ				
	14				0.016 0.558	0.069	0.009	1.8e-14
rs2239630	14	23589349	G	A		0.028	0.002	8e-37
rs114917114	14	35366971	G	A	0.353	0.014	0.002	2.7e-09
rs11158159	14	57857162	C	G	0.773	0.031	0.003	9.6e-30
rs72721631	14	75807762	Α	С	0.238	-0.021	0.003	4.3e-16
rs2289511	14	88454910	Α	G	0.582	-0.017	0.002	6.9e-15
rs79429038	15	42677739	Α	G	0.133	0.023	0.003	3.3e-12
rs2070596	15	50545159	Α	T	0.211	0.020	0.003	6.5e-13
rs3848148	15	64637536	С	T	0.943	0.035	0.005	4.1e-13
rs1847271	15	69632367	Α	G	0.624	0.016	0.002	1.2e-12
rs7166645	15	83740277	Α	G	0.387	0.015	0.002	1.1e-10

rs2074585 15 91009484 A G 0.514 -0.036 0.002 2.8e-60 rs8026614 15 100051136 T C 0.472 -0.014 0.002 9.5e-10 rs67175901 15 101748227 T C 0.108 0.029 0.004 1.4e-16 rs875740 16 16123048 A C 0.666 -0.019 0.002 6.7e-16 rs7196129 16 30471109 C T 0.528 0.019 0.002 1.2e-16 rs12927351 16 74596618 A C 0.198 0.017 0.003 8.8e-10 rs247830 16 84581925 C T 0.304 0.015 0.002 1.6e-10 rs4782302 16 88524389 C A 0.436 0.018 0.002 4.4e-16 rs7503461 17 2883320 T C 0.695 -0.019 0.002 1.4e-14 rs
rs67175901 15 101748227 T C 0.108 0.029 0.004 1.4e-16 rs875740 16 16123048 A C 0.666 -0.019 0.002 6.7e-16 rs7196129 16 30471109 C T 0.528 0.019 0.002 1.2e-16 rs12927351 16 74596618 A C 0.198 0.017 0.003 8.8e-10 rs247830 16 84581925 C T 0.304 0.015 0.002 1.6e-10 rs4782302 16 88524389 C A 0.436 0.018 0.002 4.4e-16 rs7503461 17 2883320 T C 0.695 -0.015 0.002 7.3e-10 rs12453682 17 37770005 T C 0.695 -0.019 0.002 1.4e-14 rs12941811 17 38159335 C T 0.578 -0.048 0.002 6.9e-102
rs875740 16 16123048 A C 0.666 -0.019 0.002 6.7e-16 rs7196129 16 30471109 C T 0.528 0.019 0.002 1.2e-16 rs12927351 16 74596618 A C 0.198 0.017 0.003 8.8e-10 rs247830 16 84581925 C T 0.304 0.015 0.002 1.6e-10 rs4782302 16 88524389 C A 0.436 0.018 0.002 4.4e-16 rs7503461 17 2883320 T C 0.319 -0.015 0.002 7.3e-10 rs12453682 17 37770005 T C 0.695 -0.019 0.002 1.4e-14 rs12941811 17 38159335 C T 0.578 -0.048 0.002 6.9e-102 rs8178414 17 56358429 T C 0.057 0.049 0.005 1.9e-23 rs
rs7196129 16 30471109 C T 0.528 0.019 0.002 1.2e-16 rs12927351 16 74596618 A C 0.198 0.017 0.003 8.8e-10 rs247830 16 84581925 C T 0.304 0.015 0.002 1.6e-10 rs4782302 16 88524389 C A 0.436 0.018 0.002 4.4e-16 rs7503461 17 2883320 T C 0.319 -0.015 0.002 7.3e-10 rs12453682 17 37770005 T C 0.695 -0.019 0.002 1.4e-14 rs12941811 17 38159335 C T 0.578 -0.048 0.002 6.9e-102 rs8178414 17 56345363 T C 0.013 0.088 0.010 3.9e-19 rs34097845 17 57929535 G A 0.447 -0.027 0.002 1.1e-33
rs12927351 16 74596618 A C 0.198 0.017 0.003 8.8e-10 rs247830 16 84581925 C T 0.304 0.015 0.002 1.6e-10 rs4782302 16 88524389 C A 0.436 0.018 0.002 4.4e-16 rs7503461 17 2883320 T C 0.319 -0.015 0.002 7.3e-10 rs12453682 17 37770005 T C 0.695 -0.019 0.002 1.4e-14 rs12941811 17 38159335 C T 0.578 -0.048 0.002 6.9e-102 rs8178414 17 56345363 T C 0.013 0.088 0.010 3.9e-19 rs34097845 17 56358429 T C 0.057 0.049 0.005 1.9e-23 rs1295927 17 57929535 G A 0.447 -0.027 0.002 1.1e-33
rs247830 16 84581925 C T 0.304 0.015 0.002 1.6e-10 rs4782302 16 88524389 C A 0.436 0.018 0.002 4.4e-16 rs7503461 17 2883320 T C 0.319 -0.015 0.002 7.3e-10 rs12453682 17 37770005 T C 0.695 -0.019 0.002 1.4e-14 rs12941811 17 38159335 C T 0.578 -0.048 0.002 6.9e-102 rs8178414 17 56345363 T C 0.013 0.088 0.010 3.9e-19 rs34097845 17 56358429 T C 0.057 0.049 0.005 1.9e-23 rs1295927 17 57929535 G A 0.447 -0.027 0.002 1.1e-33 rs2384952 17 72744512 C T 0.539 -0.017 0.002 1.1e-11
rs4782302 16 88524389 C A 0.436 0.018 0.002 4.4e-16 rs7503461 17 2883320 T C 0.319 -0.015 0.002 7.3e-10 rs12453682 17 37770005 T C 0.695 -0.019 0.002 1.4e-14 rs12941811 17 38159335 C T 0.578 -0.048 0.002 6.9e-102 rs8178414 17 56345363 T C 0.013 0.088 0.010 3.9e-19 rs34097845 17 56358429 T C 0.057 0.049 0.005 1.9e-23 rs1295927 17 57929535 G A 0.447 -0.027 0.002 1.1e-33 rs2384952 17 72744512 C T 0.539 -0.017 0.002 3.6e-13 rs479032 18 9850581 A G 0.656 -0.016 0.002 1.1e-11
rs7503461 17 2883320 T C 0.319 -0.015 0.002 7.3e-10 rs12453682 17 37770005 T C 0.695 -0.019 0.002 1.4e-14 rs12941811 17 38159335 C T 0.578 -0.048 0.002 6.9e-102 rs8178414 17 56345363 T C 0.013 0.088 0.010 3.9e-19 rs34097845 17 56358429 T C 0.057 0.049 0.005 1.9e-23 rs1295927 17 57929535 G A 0.447 -0.027 0.002 1.1e-33 rs2384952 17 72744512 C T 0.539 -0.017 0.002 3.6e-13 rs479032 18 9850581 A G 0.656 -0.016 0.002 1.1e-11 rs17758695 18 60920854 T C 0.029 -0.104 0.007 1.6e-57 <t< td=""></t<>
rs12453682 17 37770005 T C 0.695 -0.019 0.002 1.4e-14 rs12941811 17 38159335 C T 0.578 -0.048 0.002 6.9e-102 rs8178414 17 56345363 T C 0.013 0.088 0.010 3.9e-19 rs34097845 17 56358429 T C 0.057 0.049 0.005 1.9e-23 rs1295927 17 57929535 G A 0.447 -0.027 0.002 1.1e-33 rs2384952 17 72744512 C T 0.539 -0.017 0.002 3.6e-13 rs479032 18 9850581 A G 0.656 -0.016 0.002 1.1e-11 rs17758695 18 60920854 T C 0.029 -0.104 0.007 1.6e-57 rs62132278 19 836654 T C 0.256 -0.031 0.003 7.4e-10
rs12941811 17 38159335 C T 0.578 -0.048 0.002 6.9e-102 rs8178414 17 56345363 T C 0.013 0.088 0.010 3.9e-19 rs34097845 17 56358429 T C 0.057 0.049 0.005 1.9e-23 rs1295927 17 57929535 G A 0.447 -0.027 0.002 1.1e-33 rs2384952 17 72744512 C T 0.539 -0.017 0.002 3.6e-13 rs479032 18 9850581 A G 0.656 -0.016 0.002 1.1e-11 rs17758695 18 60920854 T C 0.029 -0.104 0.007 1.6e-57 rs62132278 19 836654 T C 0.256 -0.031 0.003 7.4e-10 rs2336068 19 5813519 C A 0.276 0.015 0.003 7.4e-10
rs8178414 17 56345363 T C 0.013 0.088 0.010 3.9e-19 rs34097845 17 56358429 T C 0.057 0.049 0.005 1.9e-23 rs1295927 17 57929535 G A 0.447 -0.027 0.002 1.1e-33 rs2384952 17 72744512 C T 0.539 -0.017 0.002 3.6e-13 rs479032 18 9850581 A G 0.656 -0.016 0.002 1.1e-11 rs17758695 18 60920854 T C 0.029 -0.104 0.007 1.6e-57 rs62132278 19 836654 T C 0.256 -0.031 0.003 1.2e-32 rs2336068 19 5813519 C A 0.276 0.015 0.003 7.4e-10
rs34097845 17 56358429 T C 0.057 0.049 0.005 1.9e-23 rs1295927 17 57929535 G A 0.447 -0.027 0.002 1.1e-33 rs2384952 17 72744512 C T 0.539 -0.017 0.002 3.6e-13 rs479032 18 9850581 A G 0.656 -0.016 0.002 1.1e-11 rs17758695 18 60920854 T C 0.029 -0.104 0.007 1.6e-57 rs62132278 19 836654 T C 0.256 -0.031 0.003 1.2e-32 rs2336068 19 5813519 C A 0.276 0.015 0.003 7.4e-10
rs1295927 17 57929535 G A 0.447 -0.027 0.002 1.1e-33 rs2384952 17 72744512 C T 0.539 -0.017 0.002 3.6e-13 rs479032 18 9850581 A G 0.656 -0.016 0.002 1.1e-11 rs17758695 18 60920854 T C 0.029 -0.104 0.007 1.6e-57 rs62132278 19 836654 T C 0.256 -0.031 0.003 1.2e-32 rs2336068 19 5813519 C A 0.276 0.015 0.003 7.4e-10
rs2384952 17 72744512 C T 0.539 -0.017 0.002 3.6e-13 rs479032 18 9850581 A G 0.656 -0.016 0.002 1.1e-11 rs17758695 18 60920854 T C 0.029 -0.104 0.007 1.6e-57 rs62132278 19 836654 T C 0.256 -0.031 0.003 1.2e-32 rs2336068 19 5813519 C A 0.276 0.015 0.003 7.4e-10
rs479032 18 9850581 A G 0.656 -0.016 0.002 1.1e-11 rs17758695 18 60920854 T C 0.029 -0.104 0.007 1.6e-57 rs62132278 19 836654 T C 0.256 -0.031 0.003 1.2e-32 rs2336068 19 5813519 C A 0.276 0.015 0.003 7.4e-10
rs17758695 18 60920854 T C 0.029 -0.104 0.007 1.6e-57 rs62132278 19 836654 T C 0.256 -0.031 0.003 1.2e-32 rs2336068 19 5813519 C A 0.276 0.015 0.003 7.4e-10
rs62132278
rs2336068 19 5813519 C A 0.276 0.015 0.003 7.4e-10
rs2967595 19 8566299 T C 0.168 -0.030 0.003 3.3e-23
rs873636 19 16514771 G A 0.308 0.024 0.002 2.6e-23
rs55990904 19 18302239 C T 0.274 -0.016 0.002 1.4e-10
rs8113682
rs78744187 19 33754548 T C 0.081 -0.088 0.004 8.3e-105
rs34158728 19 38903032 A G 0.029 0.105 0.007 1.8e-56
rs431329
rs12459419
rs7250849
rs6045612 20 1931001 T C 0.263 -0.016 0.003 1.1e-10
rs4911102 20 31179500 T C 0.234 -0.017 0.003 2.9e-10
rs6141333 20 31263324 A C 0.147 0.025 0.003 1.6e-15
rs4931 20 43530234 C A 0.271 -0.024 0.002 1.6e-21
rs6091176 20 49150510 T C 0.261 0.015 0.003 2.1e-09
rs310631 20 62196253 A C 0.411 0.014 0.002 1.1e-09
rs11702209 21 38808428 G C 0.118 -0.031 0.003 6.3e-20
rs2836154 21 39485842 T C 0.336 0.017 0.002 8.8e-14
rs5756822 22 38196474 T C 0.556 -0.014 0.002 4.6e-10
rs761702 22 41404970 A G 0.065 0.038 0.004 2.5e-17
rs5766582 22 45632528 T C 0.475 -0.018 0.002 1.4e-16

Table S6. 166 SNPs significantly associated with basophil count used IVs in forward MR analyses derived from Chen MH et al. Chr: Chromosome; EA: Effect allele; NEA: Non-effect allele; EAF: Effect allele frequency.

SNP Solution Sol	CND						Poto		Divolue
Instrict Instrict	SNP	Chr	Pos	EΑ	NEA	EAF	Beta	SE	P-value
Instrict Instrict									
FST1595895									
Insert									
International Color									
International Color International Color						0.770	0.021		1.31e-17
Inches I	rs7078507	10	77140864	G	Α	0.609	-0.016	0.002	2.54e-14
R595113	rs2606724	11	113957880	Α	G	0.453	0.016	0.002	1.33e-13
International Process	rs10893844	11	128185850	С	G	0.501	-0.015	0.002	4.22e-14
International Process	rs695113	11	128562098	Τ	С	0.696	0.017	0.002	3.93e-14
Instraction	rs734095								
International Process of State								0.002	
International Process Inte									
International Process Inte									
International Process of State									
Insert									
International Process									
FS11064881 12 120146925 A G 0.074 -0.032 0.004 2.05e-16 FS4475963 12 129302255 G T 0.370 -0.014 0.002 2.11e-10 FS146970669 12 27103449 A G 0.094 0.022 0.004 2.43e-10 FS17860282 12 51740350 T C 0.011 0.105 0.010 2.62e-26 FS286599 12 6499533 A G 0.142 0.023 0.003 1.15e-14 FS2118140 12 66698461 G A 0.528 0.018 0.002 4.03e-19 FS75084335 12 76981753 G C 0.069 0.028 0.004 3.75e-12 FS76084335 12 76981753 G C 0.069 0.028 0.004 3.75e-12 FS76084335 13 28604007 C T 0.013 0.082 0.009 2.78e-18 FS2701863 13 41170140 T C 0.306 0.052 0.007 1.74e-13 FS2239635 14 23588731 C G 0.704 0.034 0.002 1.89e-52 FS72721631 14 75807762 A C 0.237 -0.019 0.002 1.6e-15 FS289511 14 88454910 A G 0.582 -0.016 0.002 3.3e-15 FS7697295 14 93069980 C G 0.181 -0.018 0.003 8e-11 FS67175901 15 101748227 T C 0.108 0.026 0.003 8.24e-15 FS79429038 15 42677739 A G 0.132 0.021 0.003 1.33e-11 FS60201606 15 64548734 G T 0.051 -0.034 0.005 2e-13 FS7766129 16 30471109 C T 0.054 -0.034 0.002 2.71e-09 FS2074585 15 91009484 A G 0.515 -0.031 0.002 2.71e-09 FS2074585 16 57570561 T G 0.302 -0.015 0.002 2.01e-11 FS247833 16 84581684 A G 0.249 0.016 0.002 1.52e-16 FS7503461 T 2883320 T C 0.319 -0.013 0.002 2.01e-11 FS247833 16 84581684 A G 0.249 0.016 0.002 1.42e-11 FS12443181 T 38159335 C T 0.578 -0.046 0.002 7.71e-111 FS12443181 T 56345363 T C 0.013 0.074 0.009 4.48e-16 FS3995356 18 23590203 G A 0.448 -0.025 0.002 5.83e-34 FS2959356 18 23590203 G A 0.298 0.014 0.002 4.14e-10									
RS4475963 12 129302255 G T 0.370 -0.014 0.002 2.11e-10 RS17860282 12 51740350 T C 0.0011 0.105 0.010 2.62e-26 RS2286599 12 6499533 A G 0.142 0.023 0.003 1.15e-14 RS2118140 12 66698461 G A 0.528 0.018 0.002 4.03e-19 RS75084335 12 76981753 G C 0.069 0.028 0.004 3.75e-12 RS76428106 13 28604007 C T 0.013 0.082 0.009 2.78e-18 RS2701863 13 41170140 T C 0.306 0.052 0.007 1.74e-13 RS2239635 14 23588731 C G 0.770 0.028 0.003 4.59e-28 RS72721631 14 75807762 A C 0.237 -0.019 0.002 1.6e-15 RS2289511 14 88454910 A G 0.582 -0.016 0.002 3.3e-15 RS775901 15 101748227 T C 0.108 0.026 0.003 8.24e-15 RS249038 15 42677739 A G 0.132 0.021 0.003 8.24e-15 RS249662 15 65758874 G C 0.366 -0.013 0.002 2.71e-09 RS12443468 15 8188088 G A 0.226 0.015 0.002 3.04e-09 RS12443468 15 8188088 G A 0.226 0.015 0.002 0.042 0.0271e-51 RS2763461 17 2883320 T C 0.369 0.014 0.002 0.002 0.02e-10 RS1244311 17 38159335 C T 0.578 -0.046 0.002 0.002 0.06e-10 RS1245682 17 37770005 T C 0.695 -0.018 0.002 0.002 0.04e-10 RS1245682 17 37770005 T C 0.695 -0.018 0.002 0.002 0.04e-10 RS12453682 17 37770005 T C 0.695 -0.018 0.002 0.002 0.04e-10 RS1245682 17 37770005 T C 0.695 -0.018 0.002 0.002 0.06e-10 RS12453682 17 37770005 T C 0.695 -0.018 0.002 0.002 0.06e-10 RS12453682 17 37770005 T C 0.695 -0.018 0.002 0.002 0.06e-10 RS12959356 18 23590203 G A 0.298 0.014 0.002 4.48e-10 RS2595356 18 23590203 G A 0.298 0.014 0.002 4.48e-10 0.002 4.48e-10 0.002 4.48e-10 0.002 4.48e-10 0.002 0.004 0.002 0.004 0.005 0.004 0.005 0.004 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.0									
FS146970669 12 27103449 A G 0.094 0.022 0.004 2.43e-10 FS17860282 12 51740350 T C 0.011 0.105 0.010 2.62e-26 FS2286599 12 6499533 A G 0.142 0.023 0.003 1.15e-14 FS118140 12 66698461 G A 0.528 0.018 0.002 4.03e-19 FS75084335 12 76981753 G C 0.069 0.028 0.004 3.75e-12 FS76428106 13 28604007 C T 0.013 0.082 0.009 2.78e-18 FS2701863 13 41170140 T C 0.306 0.052 0.007 1.74e-13 FS2239635 14 23588731 C G 0.770 0.028 0.003 4.59e-28 FS72721631 14 75807762 A C 0.237 0.019 0.002 1.6e-15 FS2289511 14 88454910 A G 0.582 -0.016 0.002 3.3e-15 FS72697295 14 93069980 C G 0.181 -0.018 0.003 8.24e-15 FS74929038 15 42677739 A G 0.132 0.021 0.003 3.3e-19 FS62021606 15 64548734 G T 0.051 -0.034 0.002 2.71e-09 FS12443468 15 8188808 G A 0.226 0.015 0.002 0.04e-09 FS12443468 15 8188808 G A 0.226 0.015 0.002 0.04e-09 FS79928015 16 616123048 A C 0.665 -0.018 0.002 0.002 0.71e-16 FS9928015 16 57570561 T G 0.302 -0.015 0.002 0.027-1e-51 FS7503461 T 2883320 T C 0.349 0.002 0.002 0.002 0.002 0.003 0.002 0.003 0.002 0.003 0.002 0.003 0.002 0.004 0.004 0.005 0.004 0.005 0.004 0.005 0.004 0.005 0.004 0.005 0.005 0.004 0.005									
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rs76428106 13 28604007 C T 0.013 0.082 0.009 2.78e-18 rs2701863 13 41170140 T C 0.306 0.052 0.007 1.74e-13 rs2239635 14 23588731 C G 0.770 0.028 0.003 4.59e-52 rs11158159 14 57857162 C G 0.770 0.028 0.003 4.59e-28 rs72721631 14 75807762 A C 0.237 -0.019 0.002 1.6e-15 rs2289511 14 88454910 A G 0.582 -0.016 0.002 3.3e-15 rs7697295 14 93069980 C G 0.181 -0.018 0.003 8-211 rs67175901 15 101748227 T C 0.108 0.026 0.003 8.24e-15 rs79429038 15 42677739 A G 0.132 0.021 0.003 1.33e-11									
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rs72721631 14 75807762 A C 0.237 -0.019 0.002 1.6e-15 rs2289511 14 88454910 A G 0.582 -0.016 0.002 3.3e-15 rs72697295 14 93069980 C G 0.181 -0.018 0.003 8e-11 rs67175901 15 101748227 T C 0.108 0.026 0.003 8.24e-15 rs79429038 15 42677739 A G 0.132 0.021 0.003 1.33e-11 rs2070596 15 50545159 A T 0.211 0.023 0.003 3.3e-19 rs62021606 15 64548734 G T 0.051 -0.034 0.005 2e-13 rs7496362 15 65758874 G C 0.366 -0.013 0.002 2.71e-09 rs2074585 15 91009484 A G 0.515 -0.031 0.002 2.71e-51									
rs2289511 14 88454910 A G 0.582 -0.016 0.002 3.3e-15 rs72697295 14 93069980 C G 0.181 -0.018 0.003 8e-11 rs67175901 15 101748227 T C 0.108 0.026 0.003 8.24e-15 rs79429038 15 42677739 A G 0.132 0.021 0.003 1.33e-11 rs2070596 15 50545159 A T 0.211 0.023 0.003 3.3e-19 rs62021606 15 64548734 G T 0.051 -0.034 0.005 2e-13 rs7496362 15 65758874 G C 0.366 -0.013 0.002 2.71e-09 rs12443468 15 81888088 G A 0.226 0.015 0.002 3.04e-09 rs2074585 15 91009484 A G 0.515 -0.031 0.002 2.71e-51	rs11158159	14	57857162	С		0.770	0.028	0.003	4.59e-28
rs72697295 14 93069980 C G 0.181 -0.018 0.003 8e-11 rs67175901 15 101748227 T C 0.108 0.026 0.003 8.24e-15 rs79429038 15 42677739 A G 0.132 0.021 0.003 1.33e-11 rs2070596 15 50545159 A T 0.211 0.023 0.003 3.3e-19 rs62021606 15 64548734 G T 0.051 -0.034 0.005 2e-13 rs7496362 15 65758874 G C 0.366 -0.013 0.002 2.71e-09 rs12443468 15 81888088 G A 0.226 0.015 0.002 3.04e-09 rs2074585 15 91009484 A G 0.515 -0.031 0.002 2.71e-51 rs875740 16 16123048 A C 0.665 -0.018 0.002 7.19e-16	rs72721631	14	75807762	Α	С	0.237	-0.019	0.002	1.6e-15
rs67175901 15 101748227 T C 0.108 0.026 0.003 8.24e-15 rs79429038 15 42677739 A G 0.132 0.021 0.003 1.33e-11 rs2070596 15 50545159 A T 0.211 0.023 0.003 3.3e-19 rs62021606 15 64548734 G T 0.051 -0.034 0.005 2e-13 rs7496362 15 65758874 G C 0.366 -0.013 0.002 2.71e-09 rs12443468 15 81888088 G A 0.226 0.015 0.002 2.71e-09 rs2074585 15 91009484 A G 0.515 -0.031 0.002 2.71e-51 rs875740 16 16123048 A C 0.665 -0.018 0.002 7.19e-16 rs9928015 16 57570561 T G 0.302 -0.015 0.002 2.01e-11	rs2289511	14	88454910	Α	G	0.582	-0.016	0.002	3.3e-15
rs79429038 15 42677739 A G 0.132 0.021 0.003 1.33e-11 rs2070596 15 50545159 A T 0.211 0.023 0.003 3.3e-19 rs62021606 15 64548734 G T 0.051 -0.034 0.005 2e-13 rs7496362 15 65758874 G C 0.366 -0.013 0.002 2.71e-09 rs12443468 15 81888088 G A 0.226 0.015 0.002 3.04e-09 rs2074585 15 91009484 A G 0.515 -0.031 0.002 2.71e-51 rs875740 16 16123048 A C 0.665 -0.018 0.002 1.52e-16 rs7196129 16 30471109 C T 0.529 0.017 0.002 7.19e-16 rs9928015 16 57570561 T G 0.302 -0.015 0.002 2.01e-11 rs247833 16 84581684 A G 0.249 0.016 0.002 1.42e-11 rs12447180 16 88517722 C T 0.324 0.023 0.002 2.06e-26 rs7503461 17 2883320 T C 0.319 -0.013 0.002 9.6e-10 rs12453682 17 37770005 T C 0.695 -0.018 0.002 3.6e-16 rs12941811 17 38159335 C T 0.578 -0.046 0.002 7.71e-111 rs8178414 17 56345363 T C 0.013 0.074 0.009 4.48e-16 rs34097845 17 57929535 G A 0.448 -0.025 0.002 5.83e-34 rs2959356 18 23590203 G A 0.298 0.014 0.002 4.14e-10	rs72697295	14	93069980	С	G	0.181	-0.018	0.003	8e-11
rs79429038 15 42677739 A G 0.132 0.021 0.003 1.33e-11 rs2070596 15 50545159 A T 0.211 0.023 0.003 3.3e-19 rs62021606 15 64548734 G T 0.051 -0.034 0.005 2e-13 rs7496362 15 65758874 G C 0.366 -0.013 0.002 2.71e-09 rs12443468 15 81888088 G A 0.226 0.015 0.002 3.04e-09 rs2074585 15 91009484 A G 0.515 -0.031 0.002 2.71e-51 rs875740 16 16123048 A C 0.665 -0.018 0.002 1.52e-16 rs7196129 16 30471109 C T 0.529 0.017 0.002 7.19e-16 rs9928015 16 57570561 T G 0.302 -0.015 0.002 2.01e-11	rs67175901	15	101748227	Τ	С	0.108	0.026	0.003	8.24e-15
rs2070596 15 50545159 A T 0.211 0.023 0.003 3.3e-19 rs62021606 15 64548734 G T 0.051 -0.034 0.005 2e-13 rs7496362 15 65758874 G C 0.366 -0.013 0.002 2.71e-09 rs12443468 15 81888088 G A 0.226 0.015 0.002 3.04e-09 rs2074585 15 91009484 A G 0.515 -0.031 0.002 2.71e-51 rs875740 16 16123048 A C 0.665 -0.018 0.002 1.52e-16 rs7196129 16 30471109 C T 0.529 0.017 0.002 7.19e-16 rs9928015 16 57570561 T G 0.302 -0.015 0.002 2.01e-11 rs12447180 16 88517722 C T 0.324 0.023 0.002 2.06e-26	rs79429038		42677739	Α	G	0.132	0.021	0.003	1.33e-11
rs62021606 15 64548734 G T 0.051 -0.034 0.005 2e-13 rs7496362 15 65758874 G C 0.366 -0.013 0.002 2.71e-09 rs12443468 15 81888088 G A 0.226 0.015 0.002 3.04e-09 rs2074585 15 91009484 A G 0.515 -0.031 0.002 2.71e-51 rs875740 16 16123048 A C 0.665 -0.018 0.002 1.52e-16 rs7196129 16 30471109 C T 0.529 0.017 0.002 7.19e-16 rs9928015 16 57570561 T G 0.302 -0.015 0.002 2.01e-11 rs247833 16 84581684 A G 0.249 0.016 0.002 1.42e-11 rs12447180 16 88517722 C T 0.324 0.023 0.002 2.06e-26									
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rs7196129 16 30471109 C T 0.529 0.017 0.002 7.19e-16 rs9928015 16 57570561 T G 0.302 -0.015 0.002 2.01e-11 rs247833 16 84581684 A G 0.249 0.016 0.002 1.42e-11 rs12447180 16 88517722 C T 0.324 0.023 0.002 2.06e-26 rs7503461 17 2883320 T C 0.319 -0.013 0.002 9.6e-10 rs12453682 17 37770005 T C 0.695 -0.018 0.002 3.6e-16 rs12941811 17 38159335 C T 0.578 -0.046 0.002 7.71e-111 rs8178414 17 56345363 T C 0.013 0.074 0.009 4.48e-16 rs34097845 17 56358429 T C 0.057 0.043 0.005 4.58e-21 rs1295927 17 57929535 G A 0.448 -0.025 0.002 5.83e-34 rs2959356 18 23590203 G A 0.298 0.014 0.002 4.14e-10									
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rs17758695 18 60920854 T C 0.030 -0.125 0.006 1.47e-91						0.298		0.002	4.14e-10
	rs17758695	18	60920854	Т	C	0.030	-0.125	0.006	1.47e-91

rs561102	18	9851388	Т	С	0.655	-0.014	0.002	8.12e-11
rs2607278	19	16568197	T	Č	0.306	0.023	0.002	1.79e-24
rs8113682	19	19743730	Ġ	T	0.747	-0.022	0.002	6.41e-20
rs78744187	19	33754548	T	Ċ	0.082	-0.022	0.002	1e-200
rs34158728	19	38903032	Ä	G	0.002	0.095	0.004	3.24e-53
rs12459419	19	51728477	T	C	0.028	-0.017	0.000	2.44e-14
			T T					
rs7250849	19	52158316		G	0.107	0.022	0.003	1.01e-10
rs76427287	19	837190	C	T	0.254	-0.029	0.002	2.07e-31
rs12143614	1	150932696	A	T	0.117	-0.023	0.003	4.72e-13
rs12075	1	159175354	Α	G	0.580	0.028	0.002	6.02e-41
rs17625587	1	198990494	Α	G	0.264	0.015	0.002	1.25e-10
rs1086893	1	212563114	C	T	0.343	0.030	0.002	2.41e-43
rs4060971	1	21506930	T	C	0.551	-0.021	0.002	1.85e-23
rs10927074	1	236103965	С	Т	0.892	0.079	0.003	3e-127
rs56043070	1	247719769	Α	G	0.071	-0.026	0.004	6.04e-11
rs7515985	1	28997021	G	Α	0.416	0.014	0.002	6.05e-11
rs1537061	1	87739219	С	Т	0.099	-0.025	0.003	2.55e-13
rs6045612	20	1931001	Τ	С	0.264	-0.017	0.002	7.18e-13
rs4911102	20	31179500	Т	С	0.234	-0.022	0.002	6.46e-19
rs6141781	20	31263342	Τ	С	0.147	0.033	0.003	4.12e-29
rs6029234	20	39259278	С	G	0.626	0.013	0.002	3.46e-09
rs16989483	20	43537200	С	Τ	0.274	-0.021	0.002	3.15e-20
rs6091176	20	49150510	Τ	С	0.261	0.014	0.002	4.8e-09
rs310631	20	62196253	Α	С	0.412	0.012	0.002	4.42e-09
rs2834670	21	36280376	G	Α	0.172	0.028	0.003	1.69e-18
rs138595256	21	36789420	G	С	0.026	0.064	0.007	1.82e-20
rs7285377	22	19987202	Τ	G	0.284	0.014	0.002	1.86e-10
rs34288539	22	24642009	Т	С	0.274	-0.015	0.002	6.34e-11
rs5756822	22	38196474	Т	С	0.556	-0.012	0.002	3.79e-09
rs34780507	22	41405753	G	Α	0.066	0.035	0.004	2.96e-17
rs5766582	22	45632528	Ť	C	0.475	-0.017	0.002	1.77e-16
rs6543144	2	103092575	G	Α	0.313	0.014	0.002	7.43e-10
rs62160676	2	112167931	Č	Т	0.296	-0.017	0.002	3.57e-13
rs1427499	2	145400317	Ğ	À	0.710	0.021	0.002	1.57e-20
rs77785849	2	146580195	Ä	C	0.033	0.036	0.006	4.94e-10
rs1598207	2	148757870	Ğ	Ä	0.303	0.020	0.002	1.41e-19
rs4602187	2	181834018	Ť	C	0.683	0.014	0.002	2.53e-10
rs1449263	2	182319301	Ť	Č	0.556	0.016	0.002	5.15e-14
rs73987603	2	213844822	À	Ğ	0.166	0.024	0.002	2.64e-18
rs13419763	2	219134950	T	C	0.562	0.016	0.002	4.43e-15
rs79140637	2	65084123	Ä	Ğ	0.054	-0.027	0.002	2.09e-09
rs2028900	2	85767735	Ť	C	0.449	-0.027	0.003	1.25e-11
rs62105478	2	8735869	Ä	Ğ	0.052	-0.032	0.002	1.23e-11 1.09e-11
rs74535412	3	128297689	Ā	G	0.032	0.032	0.003	2.31e-11
rs2335235	3	128315725	Ĉ	G	0.033	-0.038	0.003	4.63e-157
rs9819371	3	141206800	T	C	0.108	-0.030	0.003	7.05e-137
rs7613595			Ċ		0.003			
	3	16908518		A G		-0.036	0.002	1.55e-48
rs6780544	3	187424334	A		0.623	-0.016	0.002	9.32e-15
rs2089979	3	196501413	G	A	0.416	-0.014	0.002	2.59e-11
rs12497690	3	27795397	С	A	0.371	0.015	0.002	6.48e-12
rs4324460	3	3120542	G	T	0.219	0.024	0.003	6.15e-22
rs1669340	3	3198380	T	G	0.839	-0.034	0.003	3.09e-34
rs3181077	3	46250652	T	С	0.718	-0.037	0.002	2.23e-59
rs11097787	4	103407342	T	С	0.403	-0.015	0.002	3.83e-12
rs906149	4	83537777	G	С	0.221	-0.019	0.002	5.16e-14
rs56406125	4	87940205	Т	G	0.190	-0.035	0.003	6.04e-41

Fa449454 5	rs2271352	5	126091428	С	G	0.226	0.042	0.002	1.44e-65
Re5294836 5									
First Firs									
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rs2308557 6 31239417 T C 0.351 0.031 0.002 1.34e-46 rs1883638 6 34830754 T C 0.162 -0.017 0.003 1.43e-09 rs26393575 6 7058516 C G 0.053 -0.031 0.005 1.33e-11 rs915125 6 82463376 T C 0.281 -0.029 0.002 2.18e-37 rs905670 6 90958502 A G 0.350 -0.014 0.002 2.49e-11 rs56179563 7 129685597 A G 0.389 0.015 0.002 6.1e-12 rs11772895 7 143081942 C G 0.278 0.034 0.002 9.23e-50 rs2158799 7 28724374 T G 0.293 0.031 0.002 9.23e-50 rs2158799 7 28724374 T G 0.293 0.031 0.002 3.34e-43 rs149007767 7 50370254 T C 0.162 0.027 0.003 3.48e-20 rs11768817 7 92236164 C T 0.791 -0.028 0.003 2.75e-29 rs445 7 92236164 C T 0.791 -0.026 0.003 2.75e-29 rs445 7 92236164 C T 0.791 -0.026 0.003 2.75e-29 rs445 8 10726842 G C 0.613 0.016 0.002 1.98e-14 rs4876400 8 119114110 G A 0.626 -0.017 0.002 6.1e-16 rs783964063 8 22974450 C T 0.822 -0.024 0.003 1.49e-18 rs463378 8 26516197 G A 0.342 -0.015 0.002 8.9e-13 rs9644063 8 22974450 C T 0.822 -0.024 0.003 1.49e-18 rs4563378 8 59567885 T G 0.286 0.014 0.002 4.79e-10 rs2738104 8 6696927 G A 0.506 0.014 0.002 4.79e-10 rs2738104 8 6792257 A G 0.724 0.017 0.002 8.76e-11 rs55690609 8 6902043 A G 0.323 -0.035 0.002 8.36e-11 rs74503179 9 21950879 A G 0.724 0.017 0.002 3.76e-13 rs74503179 9 21950879 A G 0.724 0.017 0.002 3.76e-13 rs2376511 9 22142756 C T 0.163 -0.021 0.003 2.37e-09 rs248992 5 13180868 A G 0.267 0.014 0.002 3.86e-31 rs33931987 16 87903382 G T 0.161 0.017 0.002 3.37e-09 rs248992 7 72744512 C T 0.539 0.015 0.002 2.54e-14 rs267602 19 8569064 C T 0.460 0.017 0.002 0.14e-14 rs269698									
F31883638 6 34830754									
F862393575 6 7058516 C G 0.053 -0.031 0.005 1.33e-11 F8915125 6 82463376 T C 0.281 -0.029 0.002 2.49e-11 F856179563 7 129685597 A G 0.350 -0.014 0.002 2.49e-11 F856179563 7 129685597 A G 0.389 0.015 0.002 6.1e-12 F811772895 7 28724374 T G 0.293 0.031 0.002 2.57e-11 F856388170 7 28724374 T G 0.293 0.031 0.002 3.34e-43 F8149007767 7 50370254 T C 0.162 0.027 0.003 3.46e-20 F811768817 7 80223839 G A 0.064 0.025 0.004 1.22e-09 F88179 7 92236164 C T 0.791 -0.028 0.003 2.75e-29 F8445 7 922408370 T C 0.097 -0.076 0.003 2.69e-105 F84541868 8 106590705 A C 0.276 -0.019 0.002 2.61e-16 F87832357 8 126516197 G A 0.626 -0.017 0.002 6.1e-16 F87832357 8 126616197 G A 0.342 -0.015 0.002 8.9e-13 F83623637 8 5967885 T G 0.286 0.014 0.002 4.79e-10 F82977799 8 6696927 G A 0.502 0.014 0.002 4.79e-10 F82560609 8 6902043 A G 0.286 0.014 0.002 4.79e-10 F82560609 8 6902043 A G 0.286 0.014 0.002 0.002 1.79e-10 F82560609 8 6902043 A G 0.286 0.014 0.002 0.002 1.79e-10 F82560609 8 6902043 A G 0.275 0.015 0.002 0.002 0.021 F8260609 F8260609 8 6902043 A G 0.286 0.014 0.002 0.002 0.024 0.003 0.002 0.00									
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International Process of the content of the conte				Τ		0.281			2.18e-37
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rs56388170 7 28724374 T G 0.293 0.031 0.002 3.34e-43 rs149007767 7 50370254 T C 0.162 0.027 0.003 3.48e-20 rs1768817 7 80223839 G A 0.064 0.025 0.004 1.22e-09 rs8179 7 92236164 C T 0.791 -0.028 0.003 2.75e-29 rs4541868 8 106590705 A C 0.076 0.003 2.69e-105 rs4876400 8 119114110 G A 0.626 -0.017 0.002 6e-16 rs7832357 8 126516197 G A 0.626 -0.017 0.002 6e-16 rs864577137 8 48651633 G A 0.045 -0.045 0.003 1.49e-18 rs45577137 8 48651633 G A 0.045 -0.045 0.002 2.08e-17 rs16923637	rs11772895		143081942	С		0.278	0.034	0.002	9.23e-50
First Firs	rs2158799		28277107	G	С	0.610	0.014	0.002	2.57e-11
rs11768817	rs56388170	7	28724374	Τ	G	0.293	0.031	0.002	3.34e-43
rs8179 7 92236164 C T 0.791 -0.028 0.003 2.75e-29 rs445 7 92408370 T C 0.097 -0.076 0.003 2.69e-105 rs4541868 8 106590705 A C 0.276 -0.019 0.002 2.61e-16 rs7819602 8 119114110 G A 0.626 -0.017 0.002 8.9e-13 rs86476400 8 119114110 G A 0.626 -0.017 0.002 8.9e-13 rs9644063 8 22974450 C T 0.822 -0.045 0.002 3.9e-13 rs45577137 8 48651633 G A 0.045 -0.045 0.002 4.79e-10 rs2977799 8 696927 G A 0.509 0.027 0.002 4.79e-10 rs2738104 8 6792257 A G 0.672 0.018 0.002 4.79e-10 rs55690	rs149007767	7	50370254	Т	С	0.162	0.027	0.003	3.48e-20
rs445 7 92408370 T C 0.097 -0.076 0.003 2.69e-105 rs4541868 8 106590705 A C 0.276 -0.019 0.002 2.61e-16 rs7819602 8 10726842 G C 0.613 0.016 0.002 1.98e-14 rs4876400 8 119114110 G A 0.626 -0.017 0.002 8.9e-13 rs9644063 8 22974450 C T 0.822 -0.024 0.003 1.49e-18 rs45577137 8 48651633 G A 0.045 -0.045 0.005 2.08e-17 rs16923637 8 59567885 T G 0.286 0.014 0.002 4.79e-10 rs2738104 8 6792257 A G 0.672 0.018 0.002 4.01e-17 rs55690609 8 6902043 A G 0.672 0.018 0.002 3.76e-11 rs1	rs11768817	7	80223839	G	Α	0.064	0.025	0.004	1.22e-09
rs445 7 92408370 T C 0.097 -0.076 0.003 2.69e-105 rs4541868 8 106590705 A C 0.276 -0.019 0.002 2.61e-16 rs7819602 8 10726842 G C 0.613 0.016 0.002 1.98e-14 rs4876400 8 119114110 G A 0.626 -0.017 0.002 8.9e-13 rs9644063 8 22974450 C T 0.822 -0.024 0.003 1.49e-18 rs45577137 8 48651633 G A 0.045 -0.045 0.005 2.08e-17 rs16923637 8 59567885 T G 0.286 0.014 0.002 4.79e-10 rs27378104 8 6696927 G A 0.509 0.027 0.002 4.79e-10 rs2738104 8 6792257 A G 0.672 0.018 0.002 8.93e-57 rs2	rs8179	7	92236164	С	Τ	0.791	-0.028	0.003	2.75e-29
Fig.		7	92408370	Т	С	0.097	-0.076	0.003	2.69e-105
International Color International Color	rs4541868	8		Α					2.61e-16
TS4876400 S									
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rs111536497 5 98187510 A G 0.091 -0.027 0.004 6.8e-13 rs9487032 6 109605323 T G 0.484 0.022 0.002 2.61e-26 rs111596698 6 32487123 G T 0.262 -0.025 0.003 2.35e-22	rs4481234	4	9956821	С	Τ	0.210	-0.017	0.003	1.56e-10
rs111536497 5 98187510 A G 0.091 -0.027 0.004 6.8e-13 rs9487032 6 109605323 T G 0.484 0.022 0.002 2.61e-26 rs111596698 6 32487123 G T 0.262 -0.025 0.003 2.35e-22	rs181548	5	150847783	Α	G				3.99e-11
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rs111596698 6 32487123 G T 0.262 -0.025 0.003 2.35e-22									
	rs72895231	6	82679396	Α	С	0.596	-0.016	0.002	2.99e-13

rs2705789	7	75270073	Α	Т	0.459	-0.024	0.002	2.9e-28
rs140289677	7	8013293	G	Α	0.058	-0.039	0.005	9.58e-18
rs74883958	10	1104030	- 1	D	0.644	0.014	0.002	5.1e-10

Table S7. 350 SNPs significantly associated with neutrophil count used IVs in forward MR analyses derived from Vuckovic D et al. Chr: Chromosome; EA: Effect allele; NEA: Non-effect allele; EAF: Effect allele frequency.

OND						Dete		Dl
SNP	Chr	Pos	EA	NEA	EAF	Beta	SE	P-value
rs301819	1	8501786	G	Α	0.588	-0.014	0.002	3.5e-10
rs6577536	1	8910110	G	Α	0.509	0.025	0.002	1e-30
rs284317	1	10731625	G	Α	0.495	0.014	0.002	6.6e-11
rs10917107	1	22329414	Α	G	0.690	-0.019	0.002	1.3e-16
rs60918921	1	23850590	Α	С	0.618	-0.017	0.002	1.1e-14
rs79567479	1	27011533	С	Т	0.080	-0.034	0.004	2.3e-18
rs3762297	1	31231680	Τ	С	0.183	0.026	0.003	4.8e-21
rs3917932	1	36943916	G	С	0.577	-0.051	0.002	7e-121
rs12139676	1	42201847	Ā	Ť	0.371	-0.016	0.002	6.7e-13
rs3754224	1	43423622	C	Ť	0.269	-0.017	0.002	2.7e-12
rs9429088	1	46497500	Ä	Ť	0.435	-0.022	0.002	9.1e-24
rs12121236	1	56617911	A	Ċ	0.352	0.016	0.002	1.7e-12
rs74076327	1	56979431	C	Ť	0.045	-0.036	0.005	3.1e-12
rs34293785	1	66137192	Č	T	0.364	-0.046	0.002	5.4e-93
rs41313381	1	79411968	A	Ċ	0.031	0.040	0.002	4.3e-24
rs115490375	1	93427987	Ğ	A	0.025	0.042	0.007	6.4e-10
rs694180	1	111726213	G	Ā		0.042	0.007	1.5e-15
	-	111720213			0.658			
rs6679677	1		A	C	0.101	-0.037	0.004	1.1e-25
rs140441527	1	150026632	G	A	0.093	-0.025	0.004	2.3e-11
rs501791	1	156089873	T	С	0.044	-0.037	0.005	3.2e-12
rs34599082	1	159175494	T	С	0.014	-0.181	0.009	2.3e-86
rs150041157	1	161566312	G	C	0.526	0.017	0.002	1.1e-13
rs55970405	1	161617820	C	G	0.268	-0.022	0.002	1.5e-18
rs10918721	1	167568952	G	T	0.510	0.013	0.002	6.6e-10
rs60124939	1	174075302	T	С	0.174	-0.018	0.003	1.1e-10
rs41272536	1	183440531	G	Α	0.046	-0.035	0.005	1.5e-11
rs16843346	1	198543027	Τ	С	0.029	-0.038	0.006	3.4e-09
rs200639793	1	200304877	Α	G	0.712	0.014	0.002	2.3e-09
rs896319	1	205205651	Τ	G	0.912	0.027	0.004	1.4e-12
rs12141901	1	208031234	Α	G	0.242	-0.023	0.002	1.5e-19
rs1855829	1	221018832	Τ	G	0.316	0.018	0.002	2.7e-14
rs10916617	1	224637070	Τ	С	0.212	0.026	0.003	2.4e-23
rs7552783	1	227174145	С	Т	0.512	-0.024	0.002	1.6e-25
rs486650	1	234819885	Τ	С	0.471	-0.013	0.002	3.3e-10
rs2065919	1	234928045	G	С	0.562	0.021	0.002	2.6e-20
rs9970896	1	236104981	Τ	Α	0.888	-0.058	0.003	1.6e-65
rs61838753	1	247569300	С	Α	0.672	-0.019	0.002	6.3e-17
rs56188865	1	247606276	С	Т	0.372	-0.027	0.002	3.7e-34
rs2113818	2	12890860	С	Т	0.499	0.013	0.002	1.6e-09
rs36101491	2	24387532	Ť	Ċ	0.297	0.022	0.002	2.1e-20
rs1866560	2	27328553	Ġ	T	0.556	-0.014	0.002	3.6e-10
rs1260326	2	27730940	C	T	0.606	-0.033	0.002	2.7e-52
rs116447416	2	37501547	Ğ	Å	0.035	-0.035	0.002	1.7e-09
rs17030394	2	43354280	G	Ā	0.035	-0.035	0.000	1.7e-03 1.6e-11
rs77552263	2	43786818	A	Ğ	0.363	0.013	0.002	5.6e-32
	2	54787592	G	C			0.004	
rs75475627					0.076	0.034		1.2e-16
rs2421200	2	61711815	T	G	0.487	-0.020	0.002	2.7e-20
rs2028150	2	65655012	G	С	0.409	0.026	0.002	7.9e-32
rs4599108	2	85543222	T	C	0.486	-0.020	0.002	1.2e-20
rs2309996	2	101735838	G	T	0.627	0.023	0.002	3.1e-26
rs35789178	2	102603925	G	Т	0.187	0.018	0.003	2.7e-11

rs10181102	2	111835489	С	Т	0.274	0.016	0.002	4.3e-11
rs35898589	2	112915809	G	A	0.274	0.016	0.002	4.3e-11 1.1e-09
rs55709272	2	113867288	С	T	0.046	0.031	0.003	2.5e-73
rs7604081	2	127866535	С	T	0.056	0.031	0.005	6e-11
rs354703	2	143883952	С	T	0.593	0.015	0.002	2.3e-11
rs3856364	2	145477217	G	С	0.681	0.016	0.002	2.6e-12
rs188653407	2	160671563	G	С	0.023	-0.056	0.007	4.5e-15
rs12692567	2	160678144	Α	G	0.833	-0.037	0.003	8.4e-39
rs2632372	2	169717541	С	T	0.504	-0.021	0.002	9.1e-23
rs7573465	2	182315885	Т	G	0.557	0.022	0.002	1.5e-24
rs13013264	2	192521279	Т	С	0.072	0.027	0.004	1.5e-10
rs79710932	2	218947121	Τ	G	0.077	-0.032	0.004	1e-15
rs114050631	2	219020958	Τ	С	0.011	-0.159	0.011	2.2e-48
rs1521134	2	219995186	Τ	G	0.643	0.013	0.002	3.4e-09
rs79047930	2	220165527	Τ	С	0.015	0.053	0.009	2.6e-09
rs6755895	2	232579795	С	Т	0.227	-0.018	0.003	8.7e-13
rs10164769	2	237779229	Τ	С	0.740	0.027	0.002	7.1e-29
rs56217149	3	12962914	Α	G	0.151	0.018	0.003	2e-09
rs4682867	3	42905465	Τ	С	0.383	-0.022	0.002	1.5e-23
rs11920354	3	47262246	Α	С	0.388	-0.016	0.002	4.5e-12
rs6779340	3	58033701	G	С	0.336	-0.017	0.002	3.5e-13
rs9842724	3	63804761	С	Т	0.803	-0.016	0.003	3.9e-09
rs12487658	3	71528943	Τ	С	0.802	0.019	0.003	1.2e-12
rs4504118	3	98422588	С	G	0.556	0.013	0.002	1.3e-09
rs191832862	3	107303068	G	Α	0.169	-0.025	0.003	1.1e-17
rs3732360	3	119536581	Т	С	0.747	0.017	0.002	4.1e-12
rs6782812	3	128317997	Α	G	0.893	-0.065	0.003	2.7e-77
rs6764912	3	128372487	Α	Ğ	0.067	-0.039	0.004	1.7e-18
rs113799399	3	140926791	Т	Č	0.126	0.034	0.003	8.1e-25
rs9819371	3	141206800	Т	Č	0.065	-0.046	0.004	1.8e-26
rs55730982	3	156797208	Ġ	Ť	0.401	0.014	0.002	1.2e-10
rs10936588	3	169319801	Ā	Ġ	0.634	-0.013	0.002	1.6e-09
rs4074672	3	183730295	Т	Č	0.369	0.018	0.002	7.5e-16
rs789858	3	194405966	Ť	Č	0.403	0.015	0.002	3.5e-11
rs7626444	3	196504902	Ċ	Ğ	0.423	-0.022	0.002	1.9e-23
rs35734242	4	706700	č	Ť	0.428	0.024	0.002	6.6e-29
rs73191188	4	3105200	Ä	Ġ	0.353	-0.016	0.002	1.5e-12
rs6831368	4	6969919	Ğ	Ä	0.362	-0.023	0.002	4.6e-24
rs28530750	4	36312542	Ä	Ğ	0.043	0.061	0.005	7.3e-30
rs218264	4	55408875	T	A	0.249	0.034	0.002	8.5e-43
rs723585	4	55503194	Ġ	A	0.486	-0.022	0.002	2e-25
rs2412771	4	57761417	C	Ť	0.417	-0.022	0.002	3.8e-12
rs2201124	4	72597009	T	Ċ	0.332	-0.022	0.002	1.4e-21
rs16850073	4	74703999	Ť	Č	0.375	0.053	0.002	8.9e-124
rs146149115	4	74768492	Ġ	A	0.010	-0.090	0.002	1.3e-15
rs16850408	4	74708492	A	Ĉ	0.369	0.069	0.011	1.3e-13 1e-200
			C	T				1.5e-11
rs17049930	4	105579471			0.028	0.044	0.007	
rs7679673	4	106061534	A	С	0.376	-0.025	0.002	1.3e-28
rs4145952	4	120155806	A	С	0.401	-0.014	0.002	1.2e-10
rs11735662	4	145026126	T	С	0.034	0.049	0.006	1.2e-16
rs2290846	4	151199080	A	G	0.287	0.018	0.002	8.2e-15
rs6817881	4	152223904	Ţ	С	0.500	0.013	0.002	1.5e-09
rs4535497	5	1107428	A	С	0.570	-0.015	0.002	4.7e-12
rs7705526	5	1285974	Α	С	0.326	0.035	0.002	2.4e-50
rs11744663	5	57315635	A	G	0.192	-0.017	0.003	3.7e-10
rs11741775	5	68590395	Т	С	0.443	-0.026	0.002	1.8e-33

rs71576926	5	68828803	Α	Т	0.784	0.016	0.003	3.3e-09
rs4703890	5	71748624	A	Ġ	0.882	-0.044	0.003	1.2e-40
rs716848	5	96265000	A	Č	0.436	0.014	0.002	2.2e-11
rs141543178	5	108133865	T	A	0.026	0.041	0.007	3.6e-09
rs257063	5	114806819	Ť	Ĉ	0.743	-0.015	0.002	2.5e-09
rs4836224	5	122092875	Ċ	A	0.743	0.013	0.002	2.3e-03 2.3e-10
rs2631367	5	131705458	G	Ĉ	0.522	0.014	0.002	4.7e-30
rs329117	5	133860101	С	T	0.582	0.024	0.002	8.9e-11
rs6580229	5	141510754	G	Ä	0.562	0.014	0.002	9.9e-32
rs2082382	5	148200553	A	Ğ	0.548	-0.031	0.002	1.4e-47
rs284440	5	156170215	G	T	0.837	-0.031	0.002	4.1e-13
rs2561758	5	173205282	G	A	0.637	-0.021	0.003	8.9e-43
rs13190036	5	176737720	G	A	0.723		0.002	0.9e-43 1.6e-10
rs1134924	5	179126090	T	Ĉ	0.506	-0.022 -0.017	0.003	4.3e-15
rs155784	5							
		179354966	G	A	0.353	0.014	0.002	2.8e-10
rs61025394	6	7085817	Α	G	0.211	-0.022	0.003	7.9e-17
rs144721194	6	7223858	G	T	0.023	-0.043	0.007	2.6e-09
rs3777755	6	12159699	Ţ	С	0.310	0.015	0.002	1.8e-10
rs1144700	6	16744687	T	C	0.179	-0.033	0.003	7.1e-32
rs4712614	6	21382765	G	T	0.622	-0.022	0.002	3.2e-23
rs141928748	6	28296315	G	С	0.045	-0.032	0.005	3.7e-10
rs9261145	6	29984865	T	С	0.098	0.028	0.004	3.8e-15
rs144626001	6	31374671	T	C	0.019	-0.049	0.008	7.6e-10
rs4713470	6	31472821	С	T	0.312	0.046	0.002	2e-83
rs200801362	6	31555480	С	Ţ	0.161	-0.060	0.004	6.3e-51
rs138408209	6	32537509	T	Α	0.090	-0.039	0.005	6.5e-16
rs9271578	6	32590635	T	Α	0.502	0.063	0.002	5.6e-190
rs9274305	6	32632000	T	С	0.205	-0.038	0.003	6.7e-40
rs16895923	6	42633368	G	Α	0.167	0.026	0.003	3.2e-19
rs729761	6	43804571	G	T	0.711	0.017	0.002	2.5e-12
rs915125	6	82463376	T	C	0.279	-0.017	0.002	6.3e-13
rs9362415	6	87968565	G	Α	0.490	-0.027	0.002	6.1e-36
rs207253	6	90808423	Α	G	0.408	-0.014	0.002	2.1e-09
rs364663	6	105443189	Α	Т	0.557	-0.013	0.002	3.3e-09
rs6927569	6	109621494	С	Ţ	0.523	0.027	0.002	2.7e-37
rs1490384	6	126851160	Т	С	0.500	-0.015	0.002	1.6e-12
rs35786788	6	135419042	Α	G	0.253	-0.036	0.003	6e-47
rs62431534	6	135832523	G	С	0.544	0.020	0.002	1.1e-19
rs6924387	6	137082948	G	Α	0.410	0.017	0.002	1.2e-14
rs72978754	6	138053203	С	Т	0.066	-0.027	0.004	6.2e-10
rs9390461	6	147701217	G	Α	0.540	0.017	0.002	5.1e-16
rs212409	6	159470058	Α	G	0.553	-0.022	0.002	1.6e-23
rs4724795	7	6377836	Α	G	0.291	-0.015	0.002	5.2e-10
rs6954012	7	6755724	С	Α	0.112	0.026	0.003	5.2e-14
rs56195338	7	8107922	Α	G	0.058	-0.039	0.005	3e-17
rs7776857	7	22754768	Τ	G	0.655	-0.015	0.002	1.4e-11
rs2158799	7	28277107	G	С	0.610	0.052	0.002	8.7e-125
rs56388170	7	28724374	Τ	G	0.292	0.071	0.002	5.3e-195
rs2710804	7	36084529	С	Τ	0.377	0.021	0.002	4.2e-22
rs1557934	7	45022257	С	Т	0.843	0.026	0.003	8.9e-19
rs10252457	7	47337530	G	Α	0.425	-0.013	0.002	3.9e-09
rs1456896	7	50304461	Т	С	0.667	0.024	0.002	2.1e-26
rs149007767	7	50370254	Τ	С	0.162	0.031	0.003	7.4e-25
rs1540652	7	65650277	С	Т	0.890	-0.027	0.004	3.6e-14
rs4718353	7	65941448	Α	G	0.045	-0.034	0.005	3e-11
rs62466318	7	73042085	Т	С	0.203	-0.024	0.003	5.3e-19

rs42033	7	92237533	Т	Α	0.208	0.041	0.003	1.3e-54
rs445	7	92408370	T T	C	0.206	-0.097	0.003	2e-156
rs6465668	7	97961469	Ċ	T	0.090	-0.097	0.004	1e-12
	7		C	Ť				
rs342242 rs11556924		106338989			0.454	-0.016	0.002	3.2e-14
	7	129663496	T	Ç	0.389	0.016	0.002	3e-13
rs2015210	7	130737982	G	T	0.751	-0.021	0.002	1.8e-17
rs13231262	7	148886058	T	С	0.656	-0.020	0.002	2.1e-19
rs2977806	8	6692968	T	С	0.531	0.013	0.002	5.1e-10
rs55690609	8	6902043	Α	G	0.322	-0.014	0.002	3.4e-10
rs2126260	8	9185081	С	Т	0.798	0.017	0.003	1.1e-10
rs11781592	8	10511121	Α	G	0.572	0.025	0.002	4.6e-30
rs12550612	8	22966769	Α	G	0.824	-0.032	0.003	1.3e-29
rs2979489	8	30280833	Α	G	0.742	0.021	0.002	9.1e-18
rs45577137	8	48651633	G	Α	0.045	0.037	0.006	1.3e-11
rs28571765	8	55449281	С	Τ	0.209	-0.022	0.003	1.4e-16
rs7816785	8	56797418	Т	С	0.606	-0.021	0.002	1.3e-20
rs609264	8	61548546	G	Τ	0.528	0.013	0.002	1.7e-09
rs7846314	8	61650831	Τ	Α	0.187	0.067	0.003	6.5e-130
rs34685450	8	61916962	Α	Т	0.253	-0.015	0.003	4.1e-09
rs57039640	8	68864171	Т	С	0.334	-0.019	0.002	2.8e-16
rs62510269	8	79012343	G	Α	0.147	-0.029	0.003	6.9e-21
rs10808538	8	87169063	Α	G	0.297	0.014	0.002	2.7e-09
rs2679741	8	103881011	G	С	0.366	-0.020	0.002	1.3e-19
rs4734879	8	106583124	G	Α	0.275	-0.021	0.002	7.2e-18
rs2980888	8	126507308	С	Т	0.699	0.023	0.002	1.7e-23
rs59697075	8	130618150	Τ	С	0.588	-0.038	0.002	1.6e-66
rs145209947	8	130694185	Α	С	0.015	-0.069	0.010	2e-12
rs7005996	8	142241681	Т	С	0.906	0.024	0.004	6.3e-11
rs34634548	8	142329460	Α	С	0.358	-0.028	0.002	1.1e-35
rs2992836	9	276053	Т	G	0.188	0.027	0.003	3.8e-22
rs2219143	9	2622278	Α	G	0.393	0.020	0.002	3.3e-19
rs385893	9	4763176	С	Т	0.524	0.027	0.002	5.3e-36
rs10758669	9	4981602	Α	С	0.659	-0.015	0.002	2.9e-11
rs680775	9	79322674	G	Ā	0.759	-0.020	0.003	1.7e-15
rs696825	9	86583076	T	C	0.253	-0.022	0.002	4.5e-19
rs116852611	9	112745176	Ť	Ä	0.135	0.020	0.003	2e-10
rs7866863	9	114657707	A	G	0.343	0.014	0.002	3e-10
rs78610102	9	116039668	T	Ğ	0.225	-0.020	0.003	3.6e-15
rs10986338	9	127191232	A	Ğ	0.651	-0.015	0.002	2.6e-11
rs2519093	9	136141870	T	Č	0.184	-0.041	0.003	1.4e-49
rs2810489	9	136922700	À	Ğ	0.258	0.021	0.002	8.7e-18
rs11145986	9	139319847	Ğ	A	0.290	0.033	0.002	1.8e-45
rs9329341	10	13532447	A	Ğ	0.580	0.019	0.002	7.9e-18
rs56278466	10	17875857	Ğ	T	0.662	-0.014	0.002	2e-09
rs692594	10	18265893	C	Ġ	0.491	0.015	0.002	8.1e-12
rs10828722	10	25199951	G	A	0.491	-0.040	0.002	4.3e-73
rs2807742	10	28781367	A	Ğ	0.370	0.034	0.002	4.3e-73 8e-41
rs72790861	10	44880207	G	C	0.770	-0.020	0.003	6.8e-18
rs2393969	10		С	A	0.308		0.002	1.1e-41
		65140440				-0.029		
rs10997821	10	69570691	G	Α	0.104	-0.024	0.004	4.4e-12
rs3747869	10	73520632	С	A	0.901	0.032	0.004	1.4e-19
rs2785072	10	89765388	T	A	0.168	-0.022	0.003	1.2e-12
rs1412445	10	91002804	T	С	0.338	0.021	0.002	1.1e-20
rs9633675	10	96210400	С	G	0.478	-0.019	0.002	3e-18
rs10882895	10	99075300	G	A	0.597	0.044	0.002	3.1e-90
rs4556473	10	104454700	С	Т	0.384	-0.014	0.002	9.2e-10

rs76863268	10	111995452	Α	Т	0.344	-0.016	0.002	3.9e-12
rs151595	10	115719765	C	Ť	0.628	-0.014	0.002	3.9e-10
rs3781454	10	126348565	Ä	Ġ	0.681	0.024	0.002	2.1e-25
rs14408	11	308314	C	T	0.368	0.050	0.002	1.9e-110
rs1468102	11	3004526	Ğ	Ċ	0.306	0.018	0.002	2.5e-14
rs899013	11	10476689	Ğ	Ä	0.596	0.013	0.002	4.2e-09
rs1159649	11	12135604	Ğ	C	0.316	-0.014	0.002	1.9e-09
rs10765999	11	12859917	T	Č	0.677	-0.014	0.002	3.6e-09
rs55876153	11	47416636	À	Ğ	0.323	0.020	0.002	2.2e-18
rs7396753	11	60021508	C	T	0.592	0.020	0.002	2.2e-10 2.2e-12
rs174544	11	61567753	A	Ċ	0.308	-0.026	0.002	9.3e-30
rs545500	11	65629934	Ĉ	Ğ	0.667	0.020	0.002	1.9e-13
rs55904328	11	76267477	A	G	0.314	-0.014	0.002	2.4e-09
rs7129527	11	108044995	Ĝ	A	0.411	0.017	0.002	4.1e-15
rs1791807	11	113954234	T	Ĉ	0.411	-0.018	0.002	3e-16
rs238914	11	113984109	A	C	0.413	0.029	0.002	3.9e-39
rs1715429	11	118083664	G	A	0.390	0.029	0.002	4.6e-18
rs1783921	11	128094803	C	T	0.755	0.022	0.002	4.0e-16 1.7e-11
	11	128328913						
rs8705			A	G	0.318	-0.020	0.002	7.9e-18
rs632887	12	3392351	G	A	0.409	0.016	0.002	1.4e-12
rs11611647	12	4333919	С	T	0.210	-0.024	0.003	8.7e-20
rs2280503	12	51138687	C	A	0.344	0.019	0.002	8e-18
rs1700159	12	52305786	Ţ	С	0.772	0.021	0.003	5.5e-16
rs1245035	12	64976049	A	C	0.629	0.017	0.002	6.7e-14
rs7968902	12	66363070	G	T	0.570	0.014	0.002	9e-10
rs4761234	12	69732105	C	T	0.485	0.023	0.002	6.4e-26
rs7487314	12	88836215	T	G	0.701	-0.025	0.002	6.3e-27
rs17041439	12	101873240	С	A	0.056	0.027	0.005	4.3e-09
rs3184504	12	111884608	С	T	0.519	-0.031	0.002	3.1e-47
rs11064881	12	120146925	Α	G	0.073	-0.035	0.004	8.3e-18
rs610578	12	121194565	G	A	0.662	-0.014	0.002	2.3e-09
rs61955089	12	123851372	С	T	0.026	0.045	0.007	1.2e-11
rs117808697	13	28513538	T	Α	0.073	0.034	0.005	1.2e-13
rs2504235	13	28612886	G	Α	0.638	0.026	0.002	1.6e-30
rs17521426	13	42868208	Α	С	0.238	0.022	0.003	3.5e-18
rs7326825	13	50113450	Α	G	0.707	0.021	0.002	2e-19
rs11841945	13	73630059	С	G	0.579	0.013	0.002	1.1e-09
rs150861794	13	109003805	Т	С	0.018	-0.053	0.009	7e-10
rs2260766	13	114186800	G	Α	0.281	0.024	0.002	3.1e-24
rs2038700	14	25461989	С	Τ	0.394	0.034	0.002	
rs72664840	14	35596323	Τ	С	0.178	0.024	0.003	2.2e-17
rs72731564	14	69280158	Т	С	0.186	0.020	0.003	1.4e-12
rs12884741	14	69870944	G	Α	0.065	0.044	0.004	9.6e-24
rs2205190	14	77886723	G	Τ	0.521	-0.016	0.002	5.4e-13
rs9806027	14	81668707	С	G	0.554	-0.018	0.002	4.3e-17
rs10498635	14	93103309	Τ	С	0.184	-0.029	0.003	1.9e-25
rs12588718	14	101149605	С	G	0.672	0.015	0.002	4e-11
rs2494748	14	105258892	Τ	С	0.616	0.013	0.002	1.8e-09
rs4983590	14	105646179	Α	G	0.609	-0.017	0.002	3.7e-14
rs4924450	15	40597229	Α	G	0.704	0.015	0.002	6.6e-10
rs7183879	15	42260456	G	Α	0.111	-0.045	0.003	8e-39
rs2663553	15	51207818	С	G	0.540	0.020	0.002	3.4e-21
rs7180079	15	64629873	G	Α	0.879	0.032	0.003	2e-22
rs7496362	15	65758874	G	С	0.366	0.017	0.002	1.7e-14
rs67538199	15	75361650	С	Т	0.161	-0.022	0.003	1.1e-13
rs8024737	15	77249703	С	Т	0.542	0.013	0.002	5e-10

F872756503 15 86062567 T C 0.147 0.018 0.003 3.7e-09									
International Color International Color	rs72756503	15	86062567	Т	С	0.147	-0.018	0.003	3.7e-09
Figure F	rs7183988	15	91428589	G	Τ	0.526	-0.017	0.002	9.2e-16
RS5929659	rs67175901	15	101748227	Τ	С	0.108	0.045	0.003	4.1e-39
RSE00550	rs11647740	16	1347862	С	Τ	0.593	-0.018	0.002	8.3e-16
RSE00550	rs35929659	16	2165630	С	Т	0.180	-0.019	0.003	2.3e-11
International Color									
Insert I									
Instraction Instruction									
FST362623									
FST4250734									
FST1648664									
F386026517									
TS8045100									
rs305082									
F872803323									
TS9905106									
FST225843									
FS3213878									
International Process 17									
Fig. 11653826	rs3213878	17	5039138			0.106	0.022	0.003	4e-10
RS2617884	rs12936529	17	16168784	Т	С	0.476	-0.037	0.002	4.3e-66
RS11651596	rs11653826	17	27653016	Τ	С	0.099	0.026	0.004	9e-13
rs576566496 17 38140269 A G 0.027 0.091 0.007 6.1e-39 rs74725931 17 38196327 C T 0.038 0.063 0.006 1e-27 rs563136944 17 38470429 G T 0.356 -0.028 0.003 6.6e-27 rs1848482331 17 40702760 T C 0.079 0.024 0.004 3.5e-09 rs11656151 17 44068492 G A 0.239 -0.016 0.003 1.4e-10 rs138284624 17 56385573 T C 0.013 0.130 0.010 4.7e-42 rs52980407 17 57252243 C A 0.043 0.045 0.007 1.8e-11 rs1650106 17 57850251 T C 0.545 0.031 0.002 4.7e-48 rs9916458 17 72744512 C T 0.471 -0.015 0.002 2.3e-12	rs2617884	17	28120430	С	G	0.497	-0.020	0.002	3.1e-20
rs576566496 17 38140269 A G 0.027 0.091 0.007 6.1e-39 rs74725931 17 38196327 C T 0.038 0.063 0.006 1e-27 rs563136944 17 38470429 G T 0.356 -0.028 0.003 6.6e-27 rs1848482331 17 40702760 T C 0.079 0.024 0.004 3.5e-09 rs11656151 17 44068492 G A 0.239 -0.016 0.003 1.4e-10 rs138284624 17 56385573 T C 0.013 0.130 0.010 4.7e-42 rs52980407 17 57252243 C A 0.043 0.045 0.007 1.8e-11 rs1650106 17 57850251 T C 0.545 0.031 0.002 4.7e-48 rs9916458 17 72744512 C T 0.471 -0.015 0.002 2.3e-12	rs11651596	17	38056116	С	Τ	0.468	-0.066	0.002	1e-200
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rs4805881 19 33896432 C A 0.665 -0.014 0.002 8.9e-10									
rs4760 19 44153100 G A 0.156 -0.075 0.003 3.2e-142							-0.014	0.002	
	rs4760	19	44153100	G	Α	0.156	-0.075	0.003	3.2e-142

rs11673093	19	45742094	Α	G	0.260	-0.047	0.002	7.3e-83
rs386243	19	49127490	Τ	С	0.240	-0.026	0.003	8.1e-26
rs2243602	20	1546742	Α	Τ	0.563	-0.014	0.002	7.3e-11
rs633284	20	2904143	Τ	Α	0.516	0.016	0.002	4.9e-13
rs579111	20	3763872	С	Τ	0.636	-0.013	0.002	4.2e-09
rs2294256	20	8174058	Τ	Α	0.482	-0.016	0.002	2.5e-13
rs6029234	20	39259278	С	G	0.626	0.017	0.002	1.3e-14
rs1800961	20	43042364	Τ	С	0.031	-0.056	0.006	2e-19
rs143003731	20	47936696	Τ	С	0.008	-0.086	0.013	9.3e-12
rs6011066	20	62364180	Α	G	0.674	0.015	0.002	1.5e-11
rs62239920	21	18944889	Α	G	0.203	-0.017	0.003	3.1e-10
rs9977672	21	40463283	Α	G	0.258	-0.024	0.002	4.2e-22
rs35990176	21	44472118	С	Α	0.449	0.013	0.002	3.9e-09
rs73377344	21	47804358	С	Т	0.554	-0.014	0.002	1.7e-10
rs5994158	22	17567898	G	Α	0.807	-0.017	0.003	8.6e-10
rs5746451	22	18126020	С	Т	0.504	0.022	0.002	2.2e-25
rs5746638	22	18907997	Τ	С	0.285	-0.014	0.002	2.9e-09
rs35955747	22	31813058	Τ	Α	0.539	0.019	0.002	8.7e-18
rs139402	22	39546145	С	Т	0.438	-0.014	0.002	3.3e-10

Table S8. 383 SNPs significantly associated with neutrophil count used IVs in forward MR analyses derived from Chen MH et al. Chr: Chromosome; EA: Effect allele; NEA: Non-effect allele; EAF: Effect allele frequency.

CND		•				Poto		Divolus
SNP	Chr	Pos	EΑ	NEA	EAF	Beta	SE	P-value
rs7917772	10	104487443	Α	G	0.631	0.016	0.002	5.41e-16
rs10509912	10	112029405	Α	T	0.135	-0.021	0.003	7.02e-14
rs72836628	10	113902454	Т	C	0.248	-0.015	0.002	4.07e-12
rs180941	10	115720674	Α	G	0.625	-0.013	0.002	8.33e-11
rs3781454	10	126348565	Α	G	0.678	0.024	0.002	6.26e-31
rs9419387	10	133758358	Α	G	0.405	-0.012	0.002	2.66e-10
rs10906393	10	13536512	Τ	Α	0.578	0.017	0.002	9.66e-19
rs56278466	10	17875857	G	Т	0.637	-0.014	0.002	1.53e-10
rs692594	10	18265893	С	G	0.490	0.012	0.002	8.23e-11
rs9804265	10	25214050	С	Α	0.367	-0.040	0.002	2.79e-89
rs2807742	10	28781367	Α	G	0.771	0.033	0.002	1.16e-45
rs1571956	10	30504708	Α	G	0.646	0.014	0.002	1.43e-11
rs72790862	10	44880260	С	Ť	0.307	-0.021	0.002	6.71e-24
rs10995477	10	65010672	Č	Ť	0.474	-0.030	0.002	2.86e-56
rs3747869	10	73520632	č	À	0.901	0.033	0.003	1.62e-22
rs2802372	10	81047575	Č	A	0.435	-0.014	0.002	7.44e-12
rs1412445	10	91002804	T	C	0.338	0.021	0.002	2.64e-25
rs1977289	10	96301907	Ċ	T	0.330	-0.018	0.002	2.04e-23 2.14e-21
rs10786325	10	99068738	G	Ċ	0.596	0.042	0.002	6.06e-104
rs4909932	11	10475967	G	A	0.598	0.042	0.002	8.36e-12
		10475967						
rs7934719	11		T	Ç	0.413	0.018	0.002	2.82e-20
rs61904448	11	113958121	C	T	0.284	-0.015	0.002	2.37e-11
rs73000965	11	113982321	Α	T	0.316	0.029	0.002	6.63e-45
rs8705	11	128328913	Α	G	0.317	-0.018	0.002	1.97e-18
rs4757955	11	12876492	A	С	0.680	-0.015	0.002	5.28e-13
rs1840595	11	18162482	T	С	0.230	0.015	0.002	1.29e-10
rs10833024	11	3010390	T	С	0.310	0.016	0.002	4.51e-15
rs7929589	11	59975078	Т	C	0.407	-0.015	0.002	1.79e-14
rs7947929	11	65625191	Α	G	0.666	0.016	0.002	1.38e-14
rs2282611	11	76154846	G	Т	0.320	-0.013	0.002	1.03e-09
rs7131178	11	93462607	Т	Α	0.812	0.014	0.002	4.79e-09
rs28588142	12	10097609	Τ	С	0.188	0.015	0.002	6.6e-10
rs3184504	12	111884608	С	Т	0.517	-0.029	0.002	1.9e-52
rs11064881	12	120146925	Α	G	0.073	-0.034	0.004	2.37e-20
rs610578	12	121194565	G	Α	0.663	-0.015	0.002	6.27e-13
rs1168669	12	122228694	С	Т	0.814	-0.015	0.002	3.87e-09
rs632887	12	3392351	G	Α	0.411	0.014	0.002	1.06e-12
rs10849020	12	4332009	G	С	0.210	-0.024	0.002	2.34e-24
rs12426444	12	50686512	Α	G	0.358	0.018	0.002	6.66e-19
rs1700159	12	52305786	Т	C	0.774	0.022	0.002	1.92e-20
rs1245035	12	64976049	A	C	0.628	0.016	0.002	3.39e-16
rs1042725	12	66358347	T	Č	0.494	0.013	0.002	3.33e-11
rs4761234	12	69732105	Ċ	T	0.484	0.022	0.002	4.25e-29
rs11104881	12	88843474	Č	T	0.702	-0.026	0.002	7.84e-35
rs2260766	13	114186800	Ğ	Å	0.702	0.023	0.002	5.22e-27
rs76603681	13	28496468	A	Ğ	0.232	0.023	0.002	2.65e-13
			C	T	0.032		0.000	6.25e-32
rs76428106	13	28604007				0.104		
rs78738581	13	42843630	A	G ^	0.232	0.021	0.002	1.13e-20
rs7325851	13	50113215	G	A	0.741	0.016	0.002	6.33e-13
rs2296028	13	52345637	C	G	0.175	-0.015	0.003	2.16e-09
rs9543219	13	73638478	Т	С	0.574	0.013	0.002	5.06e-11

R52494748	rs12588718	14	101149605	С	G	0.666	0.015	0.002	4.29e-12
Fight Figh									
Fac2083700									
Instrict Instrict									
FSZ2731564									
FS34765661									
International Property									
Institution									
rs67175901									
F34924450									
ISPATE I									
rs2663553									
rs780142			42248826					0.003	
Instract	rs2663553		51207818	С		0.541	0.021	0.002	4.92e-27
FST496362	rs780142	15	62797964	G	Т	0.274	0.013	0.002	3.84e-09
FST1072516	rs2062250	15	64672002	Α	G	0.939	0.047	0.004	9.62e-31
rs4886830 15 77094418 T A 0.490 0.012 0.002 1.61e-09 rs4843073 15 86124419 T C 0.645 0.014 0.002 1.01e-11 rs7183988 15 91428589 G T 0.527 -0.017 0.002 1.62e-18 rs16958642 16 11864032 A G 0.083 0.022 0.004 2.77e-10 rs4984803 16 1349929 A G 0.596 -0.018 0.002 1.34e-17 rs35929659 16 2165630 C T 0.180 -0.020 0.003 1.21e-13 rs61739285 16 27480797 T C 0.033 -0.040 0.005 1.57e-25 rs6500550 16 3746241 T C 0.208 0.018 0.002 1.57e-25 rs1362623 16 5985785 T C 0.208 0.018 0.002 5.3e-26	rs7496362	15	65758874	G	С	0.366	0.018	0.002	4.26e-18
rs4886830 15 77094418 T A 0.490 0.012 0.002 1.61e-09 rs4843073 15 86124419 T C 0.645 0.014 0.002 1.01e-11 rs7183988 15 91428589 G T 0.527 -0.017 0.002 1.62e-18 rs16958642 16 11864032 A G 0.083 0.022 0.004 2.77e-10 rs4984803 16 1349929 A G 0.596 -0.018 0.002 1.34e-17 rs35929659 16 2165630 C T 0.180 -0.020 0.003 1.21e-13 rs61739285 16 27480797 T C 0.033 -0.040 0.005 1.57e-25 rs6500550 16 3746241 T C 0.208 0.018 0.002 1.57e-25 rs1362623 16 5985785 T C 0.208 0.018 0.002 5.3e-26	rs11072516	15	75224810	Α	Т	0.448	0.015	0.002	6.36e-15
Table									
International Process of State									
International Process Figure 1									
Fix1984803									
RS35929659									
International Process 16									
rs11574938 16 30485393 C G 0.520 0.020 0.002 1.57e-25 rs6500550 16 3746241 T C 0.304 -0.022 0.002 5.53e-26 rs1362623 16 49885785 T C 0.208 0.018 0.002 1.49e-14 rs11648664 16 53122486 A G 0.402 -0.014 0.002 5.43e-13 rs75974417 16 57063494 T C 0.211 -0.017 0.002 2.32e-12 rs12930850 16 81602212 G A 0.537 0.019 0.002 1.29e-22 rs7283035082 16 81869387 A G 0.313 -0.012 0.002 3.04e-45 rs72803323 16 89373324 T C 0.040 0.034 0.005 3.56e-12 rs9905106 17 1373518 C T 0.734 0.023 0.002 1.62e-24									
FS6500550									
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rs11648664 16 53122486 A G 0.402 -0.014 0.002 5.43e-13 rs75974417 16 57063494 T C 0.211 -0.017 0.002 2.32e-12 rs12927351 16 74596618 A C 0.199 0.022 0.002 2.83e-19 rs12930850 16 81602212 G A 0.537 0.019 0.002 1.29e-22 rs7283055 16 81869387 A G 0.313 -0.012 0.002 3.09e-09 rs305082 16 85936978 C T 0.172 0.037 0.003 3.04e-45 rs72803323 16 89373324 T C 0.040 0.034 0.005 3.56e-12 rs9905106 17 1373518 C T 0.734 0.023 0.002 1.62e-24 rs7210990 17 16170764 A G 0.137 -0.017 0.003 1.11e-09									
rs75974417 16 57063494 T C 0.211 -0.017 0.002 2.32e-12 rs12927351 16 74596618 A C 0.199 0.022 0.002 2.83e-19 rs12930850 16 81602212 G A 0.537 0.019 0.002 1.29e-22 rs72832055 16 81869387 A G 0.313 -0.012 0.002 3.09e-09 rs305082 16 85936978 C T 0.172 0.037 0.003 3.04e-45 rs72803323 16 89373324 T C 0.040 0.034 0.005 3.56e-12 rs9905106 17 1373518 C T 0.734 0.023 0.002 1.62e-24 rs7210990 17 16170764 A G 0.137 -0.017 0.003 1.11e-09 rs7225843 17 2001825 C T 0.203 -0.022 0.002 2.1e-20									
rs12927351 16 74596618 A C 0.199 0.022 0.002 2.83e-19 rs12930850 16 81602212 G A 0.537 0.019 0.002 1.29e-22 rs72832055 16 81869387 A G 0.313 -0.012 0.002 3.09e-09 rs305082 16 85936978 C T 0.172 0.037 0.003 3.04e-45 rs72803323 16 89373324 T C 0.040 0.034 0.005 3.56e-12 rs905106 17 1373518 C T 0.734 0.023 0.002 1.62e-24 rs7210990 17 16170764 A C 0.478 -0.037 0.002 9.18e-83 rs16961474 17 17146619 A G 0.137 -0.017 0.003 1.11e-09 rs7225843 17 201825 C T 0.203 -0.022 0.002 2.11e-10									
rs12930850 16 81602212 G A 0.537 0.019 0.002 1.29e-22 rs72832055 16 81869387 A G 0.313 -0.012 0.002 3.09e-09 rs305082 16 85936978 C T 0.172 0.037 0.003 3.04e-45 rs72803323 16 89373324 T C 0.040 0.034 0.005 3.56e-12 rs9905106 17 1373518 C T 0.734 0.023 0.002 1.62e-24 rs7210990 17 16170764 A C 0.478 -0.037 0.002 9.18e-83 rs16961474 17 17146619 A G 0.137 -0.017 0.003 1.11e-09 rs7225843 17 2001825 C T 0.203 -0.022 0.002 2.69e-20 rs4795474 17 27228198 A G 0.211 0.015 0.002 2.11e-10				Т					
rs72832055 16 81869387 A G 0.313 -0.012 0.002 3.09e-09 rs305082 16 85936978 C T 0.172 0.037 0.003 3.04e-45 rs72803323 16 89373324 T C 0.040 0.034 0.005 3.56e-12 rs9905106 17 1373518 C T 0.734 0.023 0.002 1.62e-24 rs7210990 17 16170764 A C 0.478 -0.037 0.002 9.18e-83 rs16961474 17 17146619 A G 0.137 -0.017 0.003 1.11e-09 rs7225843 17 2001825 C T 0.203 -0.022 0.002 2.69e-20 rs4795474 17 27486673 A G 0.211 0.015 0.002 2.11e-10 rs3115086 17 28025949 T C 0.503 0.020 0.002 1.73e-24									
rs305082 16 85936978 C T 0.172 0.037 0.003 3.04e-45 rs72803323 16 89373324 T C 0.040 0.034 0.005 3.56e-12 rs9905106 17 1373518 C T 0.734 0.023 0.002 1.62e-24 rs7210990 17 16170764 A C 0.478 -0.037 0.002 9.18e-83 rs16961474 17 17146619 A G 0.137 -0.017 0.003 1.11e-09 rs7225843 17 2001825 C T 0.203 -0.022 0.002 2.69e-20 rs4795474 17 27288198 A G 0.211 0.015 0.002 2.11e-10 rs3115086 17 28025949 T C 0.503 0.020 0.002 1.73e-24 rs79730542 17 37912377 T C 0.473 -0.059 0.002 1.2e-20									
rs72803323 16 89373324 T C 0.040 0.034 0.005 3.56e-12 rs9905106 17 1373518 C T 0.734 0.023 0.002 1.62e-24 rs7210990 17 16170764 A C 0.478 -0.037 0.002 9.18e-83 rs16961474 17 17146619 A G 0.137 -0.017 0.003 1.11e-09 rs7225843 17 2001825 C T 0.203 -0.022 0.002 2.69e-20 rs4795474 17 27288198 A G 0.124 0.019 0.003 3.23e-11 rs7214252 17 27486673 A G 0.211 0.015 0.002 2.11e-10 rs3115086 17 28025949 T C 0.503 0.020 0.002 1.73e-24 rs79730542 17 37912377 T C 0.473 -0.059 0.002 1e-200	rs72832055	16	81869387		G	0.313	-0.012	0.002	3.09e-09
rs9905106 17 1373518 C T 0.734 0.023 0.002 1.62e-24 rs7210990 17 16170764 A C 0.478 -0.037 0.002 9.18e-83 rs16961474 17 17146619 A G 0.137 -0.017 0.003 1.11e-09 rs7225843 17 2001825 C T 0.203 -0.022 0.002 2.69e-20 rs4795474 17 27288198 A G 0.124 0.019 0.003 3.23e-11 rs7214252 17 27486673 A G 0.211 0.015 0.002 2.11e-10 rs3115086 17 28025949 T C 0.503 0.020 0.002 1.73e-24 rs79730542 17 37298789 C T 0.030 -0.043 0.006 3.32e-13 rs12946510 17 38196327 C T 0.037 0.067 0.005 9.03e-37	rs305082	16	85936978	С	Т	0.172	0.037	0.003	3.04e-45
rs7210990 17 16170764 A C 0.478 -0.037 0.002 9.18e-83 rs16961474 17 17146619 A G 0.137 -0.017 0.003 1.11e-09 rs7225843 17 2001825 C T 0.203 -0.022 0.002 2.69e-20 rs4795474 17 27228198 A G 0.124 0.019 0.003 3.23e-11 rs7214252 17 27486673 A G 0.211 0.015 0.002 2.11e-10 rs3115086 17 28025949 T C 0.503 0.020 0.002 1.73e-24 rs79730542 17 37298789 C T 0.030 -0.043 0.006 3.32e-13 rs12946510 17 37912377 T C 0.473 -0.059 0.002 1e-200 rs74725931 17 38196327 C T 0.037 0.067 0.005 9.03e-37 rs111975659 17 38570168 T C 0.027 -0.041 0.006 1.96e-11 rs78813154 17 5267002 T G 0.144 0.019 0.003 7.13e-12 rs56378716 17 56356502 G A 0.013 0.129 0.009 3.72e-50 rs2665405 17 57875292 A G 0.548 0.030 0.002 1.23e-11 rs72901753 17 76244283 C G 0.327 -0.015 0.002 1.23e-11 rs7235882 18 19684119 T C 0.093 0.023 0.003 2.4e-12 rs303753 18 21074922 A G 0.345 -0.023 0.002 9.57e-29 rs78285907 18 21622003 T A 0.089 0.022 0.003 3.11e-10	rs72803323	16	89373324	Т	С	0.040	0.034	0.005	3.56e-12
rs7210990 17 16170764 A C 0.478 -0.037 0.002 9.18e-83 rs16961474 17 17146619 A G 0.137 -0.017 0.003 1.11e-09 rs7225843 17 2001825 C T 0.203 -0.022 0.002 2.69e-20 rs4795474 17 27228198 A G 0.124 0.019 0.003 3.23e-11 rs7214252 17 27486673 A G 0.211 0.015 0.002 2.11e-10 rs3115086 17 28025949 T C 0.503 0.020 0.002 1.73e-24 rs79730542 17 37298789 C T 0.030 -0.043 0.006 3.32e-13 rs12946510 17 37912377 T C 0.473 -0.059 0.002 1e-200 rs74725931 17 38196327 C T 0.037 0.067 0.005 9.03e-37 rs111975659 17 38570168 T C 0.027 -0.041 0.006 1.96e-11 rs78813154 17 5267002 T G 0.144 0.019 0.003 7.13e-12 rs56378716 17 56356502 G A 0.013 0.129 0.009 3.72e-50 rs2665405 17 57875292 A G 0.548 0.030 0.002 1.23e-11 rs72901753 17 76244283 C G 0.327 -0.015 0.002 1.23e-11 rs7235882 18 19684119 T C 0.093 0.023 0.003 2.4e-12 rs303753 18 21074922 A G 0.345 -0.023 0.002 9.57e-29 rs78285907 18 21622003 T A 0.089 0.022 0.003 3.11e-10	rs9905106	17	1373518	С	Т	0.734	0.023	0.002	1.62e-24
rs16961474 17 17146619 A G 0.137 -0.017 0.003 1.11e-09 rs7225843 17 2001825 C T 0.203 -0.022 0.002 2.69e-20 rs4795474 17 2728198 A G 0.124 0.019 0.003 3.23e-11 rs7214252 17 27486673 A G 0.211 0.015 0.002 2.11e-10 rs3115086 17 28025949 T C 0.503 0.020 0.002 1.73e-24 rs79730542 17 37298789 C T 0.030 -0.043 0.006 3.32e-13 rs12946510 17 37912377 T C 0.473 -0.059 0.002 1e-200 rs74725931 17 38196327 C T 0.037 0.067 0.005 9.03e-37 rs111975659 17 38570168 T C 0.027 -0.041 0.006 1.96e-11						0.478	-0.037		9.18e-83
rs7225843 17 2001825 C T 0.203 -0.022 0.002 2.69e-20 rs4795474 17 27228198 A G 0.124 0.019 0.003 3.23e-11 rs7214252 17 27486673 A G 0.211 0.015 0.002 2.11e-10 rs3115086 17 28025949 T C 0.503 0.020 0.002 1.73e-24 rs79730542 17 37298789 C T 0.030 -0.043 0.006 3.32e-13 rs12946510 17 37912377 T C 0.473 -0.059 0.002 1e-200 rs74725931 17 38196327 C T 0.037 0.067 0.005 9.03e-37 rs111975659 17 38570168 T C 0.027 -0.041 0.006 1.96e-11 rs11656151 17 44068492 G A 0.238 -0.016 0.002 1.08e-11 rs78813154 17 5267002 T G 0.144 0.019 0.003 7.13e-12 rs56378716 17 56356502 G A 0.013 0.129 0.009 3.72e-50 rs2665405 17 57875292 A G 0.548 0.030 0.002 6.74e-53 rs749780 17 72699384 A C 0.732 0.019 0.002 4.94e-18 rs2001613 17 75383679 T C 0.472 0.012 0.002 2.12e-09 rs72901753 17 76244283 C G 0.327 -0.015 0.002 1.23e-11 rs7235882 18 19684119 T C 0.093 0.023 0.003 2.4e-12 rs303753 18 21074922 A G 0.345 -0.023 0.002 9.57e-29 rs78285907 18 21622003 T A 0.089 0.022 0.003 3.11e-10									
rs4795474 17 27228198 A G 0.124 0.019 0.003 3.23e-11 rs7214252 17 27486673 A G 0.211 0.015 0.002 2.11e-10 rs3115086 17 28025949 T C 0.503 0.020 0.002 1.73e-24 rs79730542 17 37298789 C T 0.030 -0.043 0.006 3.32e-13 rs12946510 17 37912377 T C 0.473 -0.059 0.002 1e-200 rs74725931 17 38196327 C T 0.037 0.067 0.005 9.03e-37 rs11975659 17 38570168 T C 0.027 -0.041 0.006 1.96e-11 rs11656151 17 44068492 G A 0.238 -0.016 0.002 1.08e-11 rs78813154 17 56356502 G A 0.013 0.129 0.009 3.72e-50									
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rs7235882 18 19684119 T C 0.093 0.023 0.003 2.4e-12 rs303753 18 21074922 A G 0.345 -0.023 0.002 9.57e-29 rs78285907 18 21622003 T A 0.089 0.022 0.003 3.11e-10	rs2001613	17	75383679	Т	С	0.472	0.012	0.002	2.12e-09
rs303753 18 21074922 A G 0.345 -0.023 0.002 9.57e-29 rs78285907 18 21622003 T A 0.089 0.022 0.003 3.11e-10	rs72901753		76244283			0.327			1.23e-11
rs303753 18 21074922 A G 0.345 -0.023 0.002 9.57e-29 rs78285907 18 21622003 T A 0.089 0.022 0.003 3.11e-10	rs7235882	18	19684119	Τ	С	0.093	0.023	0.003	2.4e-12
rs78285907 18 21622003 T A 0.089 0.022 0.003 3.11e-10	rs303753			Α	G				
15 1 155 1 1 10 0 10 10 0 1 0 0 0 10 0 0 10 0 0 10 T T 10 10 12	rs4468717	18	3457606	Ť	C	0.078	-0.025	0.004	4.59e-12

rs9965539	18	41973779	Α	G	0.134	0.031	0.003	1.35e-27
rs8093990	18	42122473	Ĉ	A	0.134	0.031	0.003	1.63e-27
rs17742008	18	48124763	A	C	0.430	-0.018	0.002	4.1e-14
rs656306	18	51705700	A	Č	0.359	0.015	0.002	8.72e-14
rs763362	18	67531797	Ğ	Ä	0.399	0.016	0.002	2.23e-15
rs72973711	18	74072245	T	Ā	0.067	-0.036	0.002	5.53e-13
rs10409243	19	10332988	Τ̈́	Ĉ	0.601	-0.030	0.004	5.55e-21 5.55e-26
rs930232	19	10332988		G	0.460	0.022	0.002	2.91e-25
rs4808683	19	17862925	A G	C	0.458	-0.012	0.002	3.67e-10
rs1985157	19	18513594	С	T	0.430	0.026	0.002	1.29e-38
	19		C	Ť	0.410	0.026	0.002	
rs56408111		19793545						1.11e-18
rs4805881	19	33896432	С	A	0.665	-0.014	0.002	3.05e-12 1.42e-171
rs4760	19	44153100	G	A	0.153	-0.075	0.003	
rs11673093	19	45742094	A	G	0.260	-0.049	0.002	1.45e-109
rs386243	19	49127490	T	Ç	0.250	-0.026	0.002	1.03e-30
rs28540102	19	4975763	C	T	0.659	0.017	0.002	8.51e-17
rs571497	19	7827830	A	G	0.155	-0.038	0.003	9.76e-45
rs284317	1	10731625	G	Α	0.496	0.014	0.002	1.6e-11
rs694180	1	111726213	G	Α	0.656	0.019	0.002	1.24e-20
rs2476601	1	114377568	G	Α	0.900	0.038	0.003	5.82e-33
rs7555995	1	150212707	G	С	0.285	-0.015	0.002	2.86e-12
rs114427170	1	159240076	Α	G	0.037	0.032	0.005	2.81e-09
rs2312675	1	166922533	C	T	0.212	-0.020	0.002	2.61e-17
rs60124939	1	174075302	T	C	0.176	-0.018	0.003	1.52e-12
rs41272536	1	183440531	G	Α	0.046	-0.036	0.005	2.33e-13
rs16843350	1	198543095	T	Α	0.030	-0.034	0.006	2.85e-09
rs2808519	1	200361914	Т	G	0.738	0.016	0.002	1.5e-13
rs4844622	1	208034329	Т	С	0.240	-0.023	0.002	1.44e-25
rs35915186	1	224654623	С	Т	0.215	0.024	0.002	3.67e-25
rs11580229	1	227210820	Α	G	0.462	-0.023	0.002	2.76e-30
rs533483	1	234765256	Α	G	0.244	-0.017	0.002	6.13e-14
rs4626924	1	234909298	Т	С	0.551	0.019	0.002	4.99e-23
rs1886654	1	236105910	С	Т	0.892	-0.058	0.003	3.08e-80
rs35020138	1	247570221	С	Т	0.675	-0.018	0.002	1.42e-17
rs56188865	1	247606276	С	T	0.374	-0.027	0.002	1.93e-43
rs3762297	1	31231680	T	С	0.183	0.024	0.003	2.83e-21
rs3917932	1	36943916	G	С	0.577	-0.052	0.002	3e-154
rs3754224	1	43423622	С	Τ	0.270	-0.017	0.002	2.7e-14
rs74076327	1	56979431	С	Т	0.045	-0.039	0.005	7.85e-17
rs6678033	1	66077624	Α	G	0.368	-0.043	0.002	1.46e-102
rs41313381	1	79411968	Α	С	0.031	0.059	0.005	1.16e-26
rs301819	1	8501786	G	Α	0.584	-0.014	0.002	6.96e-13
rs10864368	1	8918313	С	Τ	0.503	0.024	0.002	4.01e-35
rs150649461	1	92925654	С	G	0.015	0.053	0.008	1.9e-10
rs116631966	1	93229909	Α	G	0.025	0.040	0.006	1.02e-10
rs2254458	20	1551485	Τ	С	0.645	-0.013	0.002	1.76e-10
rs156338	20	1854678	Τ	С	0.436	-0.012	0.002	3.32e-09
rs633284	20	2904143	Τ	Α	0.516	0.015	0.002	1.74e-13
rs4812447	20	39272620	G	Α	0.440	0.017	0.002	1.49e-18
rs1800961	20	43042364	Τ	С	0.031	-0.052	0.006	8.99e-21
rs1555275	20	55969270	G	Α	0.650	-0.014	0.002	2.3e-11
rs2315008	20	62343956	G	Τ	0.667	0.016	0.002	1.64e-15
rs12481262	20	8126920	С	Т	0.460	-0.015	0.002	4.79e-13
rs9977672	21	40463283	Α	G	0.259	-0.022	0.002	7.34e-24
rs1788493	21	44469063	Т	С	0.500	0.013	0.002	1.88e-11
rs2839166	21	47656712	С	Т	0.398	-0.013	0.002	1.91e-11

rs41433144	22	17569993	Α	Т	0.043	-0.035	0.005	1.45e-12
rs5747308	22	18133500	Ĉ	Å	0.504	0.022	0.003	2.3e-30
rs5746638	22	18907997	T	C	0.286	-0.014	0.002	9.41e-10
rs47341	22	43560763	Ť	Č	0.396	0.013	0.002	2.26e-10
rs738408	22	44324730	Ť	Č	0.330	-0.016	0.002	7.74e-12
rs35789178	2	102603925	Ġ	T	0.217	0.018	0.002	3.41e-13
rs11691193	2	111854524	T	Ċ	0.100	0.015	0.002	2.52e-10
rs75726191	2	112914684	Τ̈́	C	0.216	0.013	0.002	
rs6734238	2	113841030	G	A	0.133	0.023	0.003	1.29e-15 1.58e-90
rs11683933	2	127886955	A	C		0.039	0.002	5.72e-13
rs6432335	2	12928971	G	T	0.055	0.031	0.004	
	2				0.452			2.42e-10
rs354703	2	143883952	С	T	0.593	0.015	0.002	4.08e-14
rs3856364		145477217	G	С	0.680	0.014	0.002	5.28e-12
rs188653407	2	160671563	G	C	0.023	-0.051	0.006	2.58e-15
rs2729707	2	160687231	G	Α	0.831	-0.036	0.003	2.68e-44
rs11689257	2	162958353	Α	G	0.070	-0.025	0.004	2.51e-10
rs4632345	2	16702654	Α	G	0.678	-0.012	0.002	3.24e-09
rs2632372	2	169717541	С	T	0.504	-0.021	0.002	6.68e-28
rs62189859	2	182254087	С	T	0.244	0.014	0.002	2.96e-10
rs6740847	2	182308352	G	Α	0.562	0.022	0.002	3.95e-29
rs13392977	2	192514856	Α	G	0.054	0.028	0.004	3.73e-11
rs1047891	2	211540507	Α	С	0.315	-0.019	0.002	8.79e-21
rs114050631	2	219020958	Т	С	0.011	-0.163	0.010	8.74e-59
rs11695689	2	220018091	С	Α	0.640	0.012	0.002	2.88e-09
rs79047930	2	220165527	Τ	С	0.015	0.053	0.008	1.64e-10
rs55729107	2	232582085	G	Α	0.226	-0.018	0.002	7.87e-14
rs1057258	2	234115629	Τ	С	0.178	0.017	0.003	2.83e-10
rs4074882	2	237780727	С	Τ	0.742	0.028	0.002	5.61e-37
rs36101491	2	24387532	Т	С	0.294	0.021	0.002	1.41e-23
rs1260326	2	27730940	С	Τ	0.602	-0.033	0.002	6.91e-62
rs116447416	2	37501547	G	Α	0.035	-0.037	0.005	1.47e-12
rs17030394	2	43354280	G	Α	0.386	-0.016	0.002	6.29e-16
rs77552263	2	43786818	Α	G	0.078	0.049	0.004	7.19e-42
rs75475627	2	54787592	G	С	0.077	0.033	0.004	3.76e-19
rs2421200	2	61711815	Τ	G	0.487	-0.021	0.002	1.03e-26
rs6731993	2	65642097	Τ	Α	0.408	0.023	0.002	2.45e-31
rs7639292	3	107295665	Τ	С	0.169	-0.022	0.003	4.83e-18
rs58605236	3	119697032	Α	Τ	0.373	-0.014	0.002	2.53e-12
rs2734031	3	128301390	С	Τ	0.908	-0.068	0.003	4.2e-91
rs6764912	3	128372487	Α	G	0.065	-0.037	0.004	3.14e-20
rs56217149	3	12962914	Α	G	0.151	0.017	0.003	4.45e-10
rs11712552	3	140957762	G	Α	0.126	0.030	0.003	6.45e-26
rs9819371	3	141206800	Т	С	0.065	-0.043	0.004	3.64e-28
rs2046934	3	151057642	Α	G	0.823	0.015	0.002	1.66e-09
rs56082403	3	156797225	С	Т	0.404	0.015	0.002	5.08e-15
rs11716015	3	169320058	Т	С	0.636	-0.013	0.002	1.16e-10
rs3749440	3	183702089	Ġ	Ā	0.372	0.017	0.002	2.2e-18
rs56174170	3	184091881	Č	T	0.139	0.017	0.003	2.04e-09
rs34834004	3	185991986	Ğ	Ť	0.506	-0.013	0.002	6.77e-11
rs789858	3	194405966	Ť	Ċ	0.404	0.014	0.002	1.07e-12
rs7626444	3	196504902	Ċ	Ğ	0.422	-0.021	0.002	1.27e-26
rs1366045	3	42909050	Č	T	0.422	-0.021	0.002	1.2re-20 1.2e-28
rs6442061	3	47203783	T	Ġ	0.596	0.022	0.002	3.68e-17
rs6779340	3	58033701	Ġ	C	0.337	-0.015	0.002	8.69e-14
rs12487658	3	71528943	T	C	0.802	0.013	0.002	2.06e-12
rs11721064	3		T T	G	0.602	0.017	0.002	3.22e-13
1511/21004	J	98408826	ı	G	0.009	0.014	0.002	J.ZZE-13

ISST-09673	rs17213043	4	105546979	G	С	0.028	0.046	0.006	1.97e-15
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FS11735662									
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rs2522051 5 131797578 C T 0.454 0.024 0.002 1.88e-35 rs6880961 5 133849687 C T 0.583 0.012 0.002 2.3e-10 rs6881942 5 141518653 T C 0.556 0.021 0.002 2.76e-28 rs114363252 5 142539162 A G 0.074 0.023 0.004 9.53e-10 rs2561758 5 173205282 G A 0.723 -0.034 0.002 3.49e-55 rs13190036 5 176737720 G A 0.891 -0.022 0.003 3.63e-12 rs10447304 5 179172098 A G 0.506 -0.017 0.002 5.58e-18 rs152232 5 179353282 C T 0.384 0.014 0.002 4.55e-18 rs152568947 5 57552464 G A 0.257 0.013 0.002 3.01e-09									
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	rs1089946	6	52310094	Α	Ť	0.614	0.013	0.002	8.29e-11

rs6936191	6	7201660	С	Т	0.608	0.018	0.002	9.87e-20
rs915125	6	82463376	T	Ċ	0.282	-0.018	0.002	1.92e-16
rs6454596	6	87980735	Ċ	Ğ	0.490	-0.025	0.002	1.38e-39
rs7753008	6	90809639	Č	Ť	0.387	-0.013	0.002	1.08e-10
rs342242	7	106338989	Č	Ť	0.453	-0.016	0.002	3.62e-16
rs35759345	7	116388021	T	Ċ	0.450	0.013	0.002	6.19e-11
rs9656395	7	130575884	Ġ	A	0.430	-0.023	0.002	4.08e-12
rs7803075	7	130742066	G	A	0.735	-0.023	0.003	2.19e-18
rs13231262	7	148886058	T	Ĉ	0.755	-0.019	0.002	1.34e-23
rs12530608	7	18023617	Ġ	A	0.030	-0.020	0.002	3.63e-09
rs7776857	7	22754768	T	Ğ	0.140	-0.015	0.003	3.16e-13
rs798547	7	2761177	Ċ	T	0.037	0.013	0.002	1.46e-10
rs2158799	7	28277107		Ċ	0.290	0.014	0.002	6.53e-152
	7		G T					
rs56388170	7	28724374		G T	0.294	0.070	0.002	1e-200
rs2710804		36084529	С		0.376	0.020	0.002	3.76e-23
rs3735485	7	45009341	G	Α	0.845	0.029	0.003	4.2e-28
rs10252457	7	47337530	G	Α	0.426	-0.014	0.002	1.82e-12
rs7341532	7	48135306	T	G	0.522	0.011	0.002	3.46e-09
rs876036	7	50307710	С	T	0.321	0.021	0.002	6.88e-25
rs778732	7	65822360	T	С	0.107	0.027	0.003	6.53e-18
rs62465399	7	65941570	T	C	0.045	-0.033	0.005	1.66e-12
rs1474419	7	6692605	С	T	0.579	0.018	0.002	2.55e-19
rs33951980	7	73029437	T	С	0.129	-0.028	0.003	6.63e-22
rs73049276	7	8022016	Α	G	0.059	-0.040	0.004	5.13e-22
rs42033	7	92237533	Т	Α	0.209	0.038	0.002	5.51e-59
rs445	7	92408370	Т	С	0.098	-0.091	0.003	1.36e-175
rs7790229	7	97919338	Α	G	0.493	-0.014	0.002	1.45e-12
rs4734879	8	106583124	G	Α	0.276	-0.021	0.002	2.63e-23
rs1991651	8	10706411	G	С	0.618	0.023	0.002	7.4e-31
rs2954038	8	126507389	Α	С	0.697	0.021	0.002	2.64e-23
rs145209947	8	130694185	Α	С	0.014	-0.069	0.009	1.96e-14
rs7005996	8	142241681	Τ	С	0.906	0.023	0.003	3.33e-11
rs6985508	8	142337734	Α	G	0.358	-0.027	0.002	3.36e-39
rs34215892	8	21767240	Α	G	0.028	0.038	0.006	2.3e-10
rs12550612	8	22966769	Α	G	0.822	-0.031	0.003	1.09e-33
rs6468341	8	30279355	С	Τ	0.743	0.019	0.002	7.1e-18
rs45577137	8	48651633	G	Α	0.045	0.036	0.005	2.63e-12
rs28571765	8	55449281	С	Τ	0.206	-0.022	0.002	3.8e-21
rs7816785	8	56797418	Τ	С	0.606	-0.021	0.002	4.31e-27
rs609264	8	61548546	G	Τ	0.528	0.013	0.002	7.93e-11
rs7846314	8	61650831	Т	Α	0.187	0.064	0.002	4.7e-149
rs4276676	8	68795618	С	Т	0.470	-0.018	0.002	1.16e-20
rs12716647	8	6901304	С	G	0.637	0.014	0.002	1.03e-12
rs16939607	8	79013333	Α	G	0.146	-0.028	0.003	1.99e-25
rs7815046	8	87054885	С	Ā	0.303	-0.013	0.002	4.65e-10
rs6998846	8	9193341	Ä	G	0.783	0.015	0.002	4.54e-11
rs117468663	9	112745175	T	Ä	0.134	0.019	0.003	8.74e-12
rs1411424	9	113892963	À	Ĝ	0.523	-0.011	0.002	2.51e-09
rs7866863	9	114657707	A	Ğ	0.341	0.013	0.002	1e-10
rs17831500	9	116047472	C	A	0.224	-0.020	0.002	5.64e-18
rs12378064	9	127191540	T	Ĉ	0.650	-0.020	0.002	1.99e-11
rs2519093	9	136141870	Τ̈́	C	0.030	-0.014	0.002	9.83e-59
rs2157770	9	136921464	Ġ	A	0.183	0.021	0.002	2.67e-21
rs4413892	9	139330158	A	Ğ	0.278	0.021	0.002	1.65e-51
rs9411293	9	139929015	G	C		-0.014		
					0.337		0.002	4.19e-11
rs2219143	9	2622278	Α	G	0.394	0.019	0.002	1.3e-20

rs2992836	9	276053	Т	G		0.028	0.002	6.65e-29
rs3739873	9	34978431	Α	G	0.220 -	0.014	0.002	3.45e-09
rs3793537	9	35687556	С	G	0.291	0.013	0.002	2.55e-09
rs385893	9	4763176	С	Т	0.521	0.023	0.002	7.7e-34
rs10758669	9	4981602	Α	С	0.658 -	0.014	0.002	1.85e-12
rs626416	9	79326680	С	G	0.762 -	0.020	0.002	5.77e-18
rs796007	9	86577541	Α	G		0.021	0.002	9.41e-21
rs10992394	9	95433830	Α	G	0.231	0.014	0.002	1.14e-09
rs150861794	13	109003805	С	Т		0.053	0.008	2.47e-12
rs34599082	1	159175494	С	Т		0.173	0.008	7.27e-94
rs138645114	10	69586392	Ğ	Ť		0.035	0.005	2.04e-14
rs74149356	10	93785201	Ť	À		0.016	0.003	2.06e-09
rs1715460	11	118122052	Ġ	C		0.021	0.002	4.32e-19
rs14408	11	308314	Č	Ť		0.049	0.002	1.21e-115
rs11823949	11	47723512	Ä	Ġ		0.019	0.002	1.56e-20
rs174557	11	61581368	Ğ	A		0.025	0.002	3.19e-31
rs35375443	11	9729432	T	A		0.025	0.002	9.14e-12
rs370591186	12	123885930	Τ̈́	Ĉ		0.013	0.002	1.89e-13
rs549435091	12	27393975	Ġ	T		0.048	0.004	6.2e-11
rs149859245	14	81710883	С	Ť		0.028	0.004	1.41e-14
rs576566496	17	38140269				0.019	0.002	9.87e-46
			A	G				
rs79135050	17	38215203	С	A		0.080	0.006	2.29e-37
rs113686433	17	56803943	G	A		0.022	0.003	8.3e-13
rs55874505	18	43816804	G	T		0.018	0.002	4.06e-19
rs12232734	18	74253960	A	T		0.016	0.003	9.43e-10
rs150665764	19	14499614	C	G		0.047	800.0	3.75e-09
rs61801809	1	161557512	T	C		0.013	0.002	1.79e-09
rs140884047	1	161610372	С	Α		0.027	0.003	1.28e-21
rs6593925	1	205100663	С	G		0.024	0.003	9.24e-13
rs12037562	1	248047350	C	T		0.013	0.002	2.56e-10
rs11800162	1	36970512	T	C		0.064	0.007	5.07e-19
rs140958972	1	46428213	G	Α		0.020	0.002	1.45e-23
rs12136896	1	56617956	Α	G		0.015	0.002	8.71e-14
rs62239920	21	18944889	Α	G		0.016	0.003	1.56e-10
rs143188161	22	24403541	Т	С		0.013	0.002	3.59e-10
rs35955747	22	31813058	T	Α		0.019	0.002	1.34e-21
rs2309996	2	101735838	G	Т		0.023	0.002	4.27e-30
rs4954387	2	136784344	G	Α		0.014	0.002	3.67e-09
rs2891550	2	27334624	Т	С		0.013	0.002	1.91e-10
rs4599108	2	85543222	Τ	С	0.488 -	0.019	0.002	6.58e-22
rs3733120	3	63850299	С	G	0.788 -	0.015	0.002	1.63e-09
rs547380175	4	26290470	Τ	Α	0.043 -	0.030	0.005	2.55e-09
rs10479004	5	131842977	Τ	G	0.512	0.014	0.002	7.07e-13
rs11960649	5	148203144	С	Α	0.553 -	0.031	0.002	1.96e-53
rs66514959	5	68611583	Α	G	0.444 -	0.026	0.002	2.48e-38
rs9260150	6	29911029	Τ	G	0.092	0.032	0.004	1.73e-19
rs9274305	6	32632000	Т	С		0.038	0.003	2.66e-43
rs62454712	7	6498057	Ċ	Ť		0.018	0.002	2.64e-14
rs10104995	8	103901234	Ť	C		0.023	0.002	3.36e-22
rs59697075	8	130618150	Ť	Č		0.038	0.002	6.4e-80
rs6502497	17	16102530	Ď	Ĭ		0.033	0.002	2.67e-54
rs534234053	6	32490048	Ğ	A		0.053	0.006	5.15e-21
		3= .000 .0		- •	J.J. 1		2.200	<u> </u>

Table S9. 421 SNPs significantly associated with monocyte count used IVs in forward MR analyses derived from Vuckovic D et al. Chr: Chromosome; EA: Effect allele: NFA: Non-effect allele: FAF: Effect allele frequency

SNP	allele; NEA: Non-effect allele; EAF: Effect allele frequency.									
1	SNP	Chr	Pos	EΑ	NEA	EAF	Beta	SE	P-value	
International Color International Color	rs4240895	1	9713386	T	С	0.388	-0.023	0.002	2.8e-27	
Institute	rs620405	1	10554794	С	Т	0.684	0.015	0.002	1.6e-11	
Institution	rs284324	1	10724236	Α	G	0.494	0.022	0.002	8e-25	
International Color	rs11247913	1	26648551	С	G	0.762	0.028	0.002	5.8e-31	
International Color International Color	rs141459612	1	28215835	Τ	Α	0.011	0.077	0.010	4.1e-14	
International Color	rs35351292	1	31208042	Τ	С	0.267	0.015	0.002	6.7e-11	
Image: Comparison of the com	rs77046911	1		Τ		0.112		0.003	1.5e-18	
International Color International Color										
International Color							-0.016	0.002		
International Color										
International Color			54892079							
International Color International Color										
F872683129										
FS12562761										
F841313381										
rs528433										
FS191524										
rs11466597										
rs564161800										
FS115340020										
FS12138486										
rs28549287 1 110230138 A G 0.774 -0.016 0.003 1.2e-09 rs333947 1 110470764 A G 0.150 0.037 0.003 1.8e-36 rs11102144 1 111195493 G A 0.169 -0.017 0.003 5.9e-10 rs67224956 1 118154575 C T 0.169 0.026 0.003 1.9e-21 rs11204682 1 150595537 T G 0.223 -0.075 0.003 4.4e-195 rs3806232 1 153364130 C T 0.118 0.029 0.003 8.3e-20 rs142676169 1 156243941 T C 0.020 -0.048 0.008 1.3e-09 rs3026940 1 159130696 T A 0.008 -0.099 0.013 4.2e-14 rs3027012 1 159174123 T C 0.182 0.028 0.003 1.5e-10										
rs333947 1 110470764 A G 0.150 0.037 0.003 1.8e-36 rs11102144 1 111195493 G A 0.169 -0.017 0.003 5.9e-10 rs67224956 1 118154575 C T 0.169 0.026 0.003 1.9e-21 rs142676169 1 150595537 T G 0.223 -0.075 0.003 4.4e-195 rs3806232 1 153364130 C T 0.118 0.029 0.003 8.3e-20 rs142676169 1 156243941 T C 0.020 -0.048 0.008 1.3e-09 rs3026940 1 159130696 T A 0.008 -0.099 0.013 4.2e-14 rs3027012 1 159174123 T C 0.182 0.028 0.003 1e-24 rs10908820 1 160999479 G A 0.796 0.017 0.003 1e-24										
rs11102144 1 111195493 G A 0.169 -0.017 0.003 5.9e-10 rs67224956 1 118154575 C T 0.169 0.026 0.003 1.9e-21 rs11204682 1 150595537 T G 0.223 -0.075 0.003 4.4e-195 rs3806232 1 153364130 C T 0.118 0.029 0.003 8.3e-20 rs142676169 1 156243941 T C 0.020 -0.048 0.008 1.3e-09 rs3026940 1 159130696 T A 0.008 -0.099 0.013 4.2e-14 rs3027012 1 159174123 T C 0.182 0.028 0.003 1e-24 rs10908820 1 16099479 G A 0.796 0.017 0.003 1.5e-10 rs35902866 1 169710669 G A 0.189 0.026 0.003 4-2e-18 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>										
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Image: Beautiful of the color	rs2059427	2	12893977	Т	С	0.372	0.021	0.002	6.4e-22
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rs6883116 5 179230321 C T 0.417 -0.017 0.002 1.3e-15 rs55693514 6 6708847 T A 0.703 0.015 0.002 7.2e-11 rs9505057 6 7171407 G T 0.203 0.030 0.003 4.6e-31 rs707794 6 10519890 A C 0.530 -0.031 0.002 5.4e-48 rs707846 6 16711874 G A 0.509 -0.017 0.002 1.4e-15 rs28505913 6 21826915 T C 0.141 0.019 0.003 5.6e-10 rs261945 6 30272417 G C 0.612 -0.027 0.002 3.2e-37 rs2523562 6 31330618 T C 0.248 -0.069 0.002 3e-176 rs28361033 6 31973863 T C 0.440 0.023 0.002 5.9e-26 rs41552812 <td></td> <td></td> <td>149501803</td> <td></td> <td>С</td> <td>0.323</td> <td>-0.056</td> <td>0.002</td> <td>3.8e-135</td>			149501803		С	0.323	-0.056	0.002	3.8e-135
rs55693514 6 6708847 T A 0.703 0.015 0.002 7.2e-11 rs9505057 6 7171407 G T 0.203 0.030 0.003 4.6e-31 rs707794 6 10519890 A C 0.530 -0.031 0.002 5.4e-48 rs707846 6 16711874 G A 0.509 -0.017 0.002 1.4e-15 rs28505913 6 21826915 T C 0.141 0.019 0.003 5.6e-10 rs261945 6 30272417 G C 0.612 -0.027 0.002 3.3e-37 rs2523562 6 31330618 T C 0.248 -0.069 0.002 3e-176 rs28361033 6 31973863 T C 0.440 0.023 0.002 5.9e-26 rs41552812 6 32632689 T C 0.070 -0.076 0.005 3.2e-46 rs79894332 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.003</td> <td></td>								0.003	
rs9505057 6 7171407 G T 0.203 0.030 0.003 4.6e-31 rs707794 6 10519890 A C 0.530 -0.031 0.002 5.4e-48 rs707846 6 16711874 G A 0.509 -0.017 0.002 1.4e-15 rs28505913 6 21826915 T C 0.141 0.019 0.003 5.6e-10 rs261945 6 30272417 G C 0.612 -0.027 0.002 3.3e-37 rs2523562 6 31330618 T C 0.248 -0.069 0.002 3e-176 rs200801362 6 31555480 C T 0.160 -0.074 0.004 1e-81 rs28361033 6 31973863 T C 0.440 0.023 0.002 5.9e-26 rs41552812 6 32632689 T C 0.070 -0.076 0.005 3.2e-46 rs56007794 </td <td>rs6883116</td> <td></td> <td>179230321</td> <td></td> <td>Т</td> <td></td> <td>-0.017</td> <td>0.002</td> <td>1.3e-15</td>	rs6883116		179230321		Т		-0.017	0.002	1.3e-15
rs707794 6 10519890 A C 0.530 -0.031 0.002 5.4e-48 rs707846 6 16711874 G A 0.509 -0.017 0.002 1.4e-15 rs28505913 6 21826915 T C 0.141 0.019 0.003 5.6e-10 rs261945 6 30272417 G C 0.612 -0.027 0.002 3.3e-37 rs2523562 6 31330618 T C 0.248 -0.069 0.002 3e-176 rs200801362 6 31555480 C T 0.160 -0.074 0.004 1e-81 rs28361033 6 31973863 T C 0.440 0.023 0.002 5.9e-26 rs41552812 6 32632689 T C 0.070 -0.076 0.005 3.2e-46 rs56007794 6 41990827 T A 0.243 0.042 0.002 4.8e-67 rs79894332	rs55693514	6	6708847	Т	Α	0.703	0.015	0.002	7.2e-11
rs707846 6 16711874 G A 0.509 -0.017 0.002 1.4e-15 rs28505913 6 21826915 T C 0.141 0.019 0.003 5.6e-10 rs261945 6 30272417 G C 0.612 -0.027 0.002 3.3e-37 rs2523562 6 31330618 T C 0.248 -0.069 0.002 3e-176 rs200801362 6 31555480 C T 0.160 -0.074 0.004 1e-81 rs28361033 6 31973863 T C 0.440 0.023 0.002 5.9e-26 rs41552812 6 32632689 T C 0.070 -0.076 0.005 3.2e-46 rs56007794 6 41990827 T A 0.243 0.042 0.002 4.8e-67 rs79894332 6 44591721 A G 0.101 -0.049 0.003 1.3e-44 rs115202835 6 45533239 A G 0.068 0.028 0.004 1e-11 rs17470494 6 46883834 G A 0.102 -0.033 0.003 7.9e-22 rs632497 6 53443926 G A 0.198 -0.020 0.003 1.7e-14 rs915125 6 82463376 T C 0.279 0.042 0.002 3.2e-74 rs9480737 6 107442277 G A 0.322 -0.022 0.002 1.2e-23 rs77791617 6 114083374 T C 0.060 0.040 0.004 9e-20 rs509596 6 122799541 A G 0.554 0.018 0.002 7.6e-18		6	7171407	G		0.203	0.030	0.003	4.6e-31
rs28505913 6 21826915 T C 0.141 0.019 0.003 5.6e-10 rs261945 6 30272417 G C 0.612 -0.027 0.002 3.3e-37 rs2523562 6 31330618 T C 0.248 -0.069 0.002 3e-176 rs200801362 6 31555480 C T 0.160 -0.074 0.004 1e-81 rs28361033 6 31973863 T C 0.440 0.023 0.002 5.9e-26 rs41552812 6 32632689 T C 0.070 -0.076 0.005 3.2e-46 rs56007794 6 41990827 T A 0.243 0.042 0.002 4.8e-67 rs79894332 6 44591721 A G 0.101 -0.049 0.003 1.3e-44 rs115202835 6 45533239 A G 0.068 0.028 0.004 1e-11 rs174704		6	10519890	Α	С	0.530	-0.031	0.002	
rs261945 6 30272417 G C 0.612 -0.027 0.002 3.3e-37 rs2523562 6 31330618 T C 0.248 -0.069 0.002 3e-176 rs200801362 6 31555480 C T 0.160 -0.074 0.004 1e-81 rs28361033 6 31973863 T C 0.440 0.023 0.002 5.9e-26 rs41552812 6 32632689 T C 0.040 0.023 0.002 5.9e-26 rs56007794 6 41990827 T A 0.243 0.042 0.002 4.8e-67 rs79894332 6 44591721 A G 0.101 -0.049 0.003 1.3e-44 rs115202835 6 45533239 A G 0.068 0.028 0.004 1e-11 rs17470494 6 46883834 G A 0.102 -0.033 0.003 7.9e-22 rs632497	rs707846	6	16711874	G	Α	0.509	-0.017	0.002	1.4e-15
rs2523562 6 31330618 T C 0.248 -0.069 0.002 3e-176 rs200801362 6 31555480 C T 0.160 -0.074 0.004 1e-81 rs28361033 6 31973863 T C 0.440 0.023 0.002 5.9e-26 rs41552812 6 32632689 T C 0.070 -0.076 0.005 3.2e-46 rs56007794 6 41990827 T A 0.243 0.042 0.002 4.8e-67 rs79894332 6 44591721 A G 0.101 -0.049 0.003 1.3e-44 rs115202835 6 45533239 A G 0.068 0.028 0.004 1e-11 rs17470494 6 46883834 G A 0.102 -0.033 0.003 7.9e-22 rs632497 6 53443926 G A 0.198 -0.020 0.003 1.7e-14 rs94807		6	21826915	Т	С	0.141	0.019	0.003	
rs200801362 6 31555480 C T 0.160 -0.074 0.004 1e-81 rs28361033 6 31973863 T C 0.440 0.023 0.002 5.9e-26 rs41552812 6 32632689 T C 0.070 -0.076 0.005 3.2e-46 rs56007794 6 41990827 T A 0.243 0.042 0.002 4.8e-67 rs79894332 6 44591721 A G 0.101 -0.049 0.003 1.3e-44 rs115202835 6 45533239 A G 0.068 0.028 0.004 1e-11 rs17470494 6 46883834 G A 0.102 -0.033 0.003 7.9e-22 rs632497 6 53443926 G A 0.198 -0.020 0.003 1.7e-14 rs915125 6 82463376 T C 0.279 0.042 0.002 3.2e-74 rs9480737 6 107442277 G A 0.322 -0.022 0.002 1.2e-23 rs77791617 6 114083374 T C 0.060 0.040 0.004 9e-20 rs509596 6 122799541 A G 0.554 0.018 0.002 7.6e-18	rs261945	6	30272417	G	С	0.612	-0.027	0.002	3.3e-37
rs28361033 6 31973863 T C 0.440 0.023 0.002 5.9e-26 rs41552812 6 32632689 T C 0.070 -0.076 0.005 3.2e-46 rs56007794 6 41990827 T A 0.243 0.042 0.002 4.8e-67 rs79894332 6 44591721 A G 0.101 -0.049 0.003 1.3e-44 rs115202835 6 45533239 A G 0.068 0.028 0.004 1e-11 rs17470494 6 46883834 G A 0.102 -0.033 0.003 7.9e-22 rs632497 6 53443926 G A 0.198 -0.020 0.003 1.7e-14 rs915125 6 82463376 T C 0.279 0.042 0.002 3.2e-74 rs9480737 6 107442277 G A 0.322 -0.022 0.002 1.2e-23 rs77791	rs2523562	6	31330618	Τ	С	0.248	-0.069	0.002	3e-176
rs41552812 6 32632689 T C 0.070 -0.076 0.005 3.2e-46 rs56007794 6 41990827 T A 0.243 0.042 0.002 4.8e-67 rs79894332 6 44591721 A G 0.101 -0.049 0.003 1.3e-44 rs115202835 6 45533239 A G 0.068 0.028 0.004 1e-11 rs17470494 6 46883834 G A 0.102 -0.033 0.003 7.9e-22 rs632497 6 53443926 G A 0.198 -0.020 0.003 1.7e-14 rs915125 6 82463376 T C 0.279 0.042 0.002 3.2e-74 rs9480737 6 107442277 G A 0.322 -0.022 0.002 1.2e-23 rs77791617 6 114083374 T C 0.060 0.040 0.004 9e-20 rs509596	rs200801362	6	31555480	С		0.160	-0.074	0.004	1e-81
rs56007794 6 41990827 T A 0.243 0.042 0.002 4.8e-67 rs79894332 6 44591721 A G 0.101 -0.049 0.003 1.3e-44 rs115202835 6 45533239 A G 0.068 0.028 0.004 1e-11 rs17470494 6 46883834 G A 0.102 -0.033 0.003 7.9e-22 rs632497 6 53443926 G A 0.198 -0.020 0.003 1.7e-14 rs915125 6 82463376 T C 0.279 0.042 0.002 3.2e-74 rs9480737 6 107442277 G A 0.322 -0.022 0.002 1.2e-23 rs77791617 6 114083374 T C 0.060 0.040 0.004 9e-20 rs509596 6 122799541 A G 0.554 0.018 0.002 7.6e-18	rs28361033	6	31973863		С	0.440	0.023	0.002	5.9e-26
rs79894332 6 44591721 A G 0.101 -0.049 0.003 1.3e-44 rs115202835 6 45533239 A G 0.068 0.028 0.004 1e-11 rs17470494 6 46883834 G A 0.102 -0.033 0.003 7.9e-22 rs632497 6 53443926 G A 0.198 -0.020 0.003 1.7e-14 rs915125 6 82463376 T C 0.279 0.042 0.002 3.2e-74 rs9480737 6 107442277 G A 0.322 -0.022 0.002 1.2e-23 rs77791617 6 114083374 T C 0.060 0.040 0.004 9e-20 rs509596 6 122799541 A G 0.554 0.018 0.002 7.6e-18	rs41552812	6	32632689	Т	С	0.070	-0.076	0.005	3.2e-46
rs115202835 6 45533239 A G 0.068 0.028 0.004 1e-11 rs17470494 6 46883834 G A 0.102 -0.033 0.003 7.9e-22 rs632497 6 53443926 G A 0.198 -0.020 0.003 1.7e-14 rs915125 6 82463376 T C 0.279 0.042 0.002 3.2e-74 rs9480737 6 107442277 G A 0.322 -0.022 0.002 1.2e-23 rs77791617 6 114083374 T C 0.060 0.040 0.004 9e-20 rs509596 6 122799541 A G 0.554 0.018 0.002 7.6e-18	rs56007794	6	41990827	Т	Α	0.243	0.042	0.002	4.8e-67
rs17470494 6 46883834 G A 0.102 -0.033 0.003 7.9e-22 rs632497 6 53443926 G A 0.198 -0.020 0.003 1.7e-14 rs915125 6 82463376 T C 0.279 0.042 0.002 3.2e-74 rs9480737 6 107442277 G A 0.322 -0.022 0.002 1.2e-23 rs77791617 6 114083374 T C 0.060 0.040 0.004 9e-20 rs509596 6 122799541 A G 0.554 0.018 0.002 7.6e-18	rs79894332	6	44591721	Α	G	0.101	-0.049	0.003	1.3e-44
rs632497 6 53443926 G A 0.198 -0.020 0.003 1.7e-14 rs915125 6 82463376 T C 0.279 0.042 0.002 3.2e-74 rs9480737 6 107442277 G A 0.322 -0.022 0.002 1.2e-23 rs77791617 6 114083374 T C 0.060 0.040 0.004 9e-20 rs509596 6 122799541 A G 0.554 0.018 0.002 7.6e-18	rs115202835	6	45533239	Α	G	0.068	0.028	0.004	1e-11
rs632497 6 53443926 G A 0.198 -0.020 0.003 1.7e-14 rs915125 6 82463376 T C 0.279 0.042 0.002 3.2e-74 rs9480737 6 107442277 G A 0.322 -0.022 0.002 1.2e-23 rs77791617 6 114083374 T C 0.060 0.040 0.004 9e-20 rs509596 6 122799541 A G 0.554 0.018 0.002 7.6e-18	rs17470494	6		G		0.102		0.003	7.9e-22
rs915125 6 82463376 T C 0.279 0.042 0.002 3.2e-74 rs9480737 6 107442277 G A 0.322 -0.022 0.002 1.2e-23 rs77791617 6 114083374 T C 0.060 0.040 0.004 9e-20 rs509596 6 122799541 A G 0.554 0.018 0.002 7.6e-18	rs632497	6		G					
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rs509596 6 122799541 A G 0.554 0.018 0.002 7.6e-18									
	rs34164109	6	135421176	T	Č	0.261	-0.038	0.002	4.6e-58

rs9389287	6	135684975	Т	С	0.278	0.017	0.002	8.2e-12
rs9494571	6	137111121	T	C	0.276	-0.017	0.002	2.3e-12
rs2797670	6	137571613	A		0.593	-0.018	0.002	4.2e-09
				G				
rs6920282	6	140013130	A	G	0.326	-0.014	0.002	1.1e-09
rs149110519	6	144385777	T	C	0.036	0.082	0.006	7.5e-48
rs9390460	6	147694334	Ç	T	0.540	0.013	0.002	1.6e-09
rs2817441	6	156938699	T	С	0.280	-0.021	0.002	6.7e-19
rs3012415	6	170489464	T	С	0.822	0.021	0.003	4e-15
rs2273215	6	170586082	Α	G	0.459	-0.018	0.002	2.4e-18
rs2895	7	2568770	С	T	0.099	0.023	0.004	1.2e-10
rs798531	7	2770067	С	G	0.428	0.016	0.002	1.1e-14
rs6796	7	6502367	С	Ţ	0.278	0.047	0.002	2.1e-90
rs75814517	7	17145526	Α	G	0.056	-0.033	0.005	8.4e-13
rs17437411	7	27198086	Т	С	0.069	-0.036	0.004	2.7e-18
rs17156536	7	28279488	Α	С	0.158	0.025	0.003	6.4e-18
rs10238435	7	28724491	Т	С	0.239	-0.024	0.003	8.8e-22
rs55959091	7	44771671	Α	G	0.131	0.022	0.003	1.9e-12
rs4385425	7	50307334	G	Α	0.323	-0.062	0.002	6.9e-168
rs149007767	7	50370254	Т	С	0.162	-0.075	0.003	4.1e-142
rs11766800	7	50435617	Τ	Α	0.322	0.020	0.002	1.1e-19
rs41430449	7	50798525	G	С	0.067	-0.032	0.004	3.4e-14
rs3981841	7	65184339	С	G	0.567	-0.014	0.002	1.9e-11
rs178405	7	73513045	Т	G	0.786	-0.016	0.003	2.8e-10
rs445	7	92408370	Т	С	0.096	-0.093	0.004	2.3e-152
rs6465668	7	97961469	С	Т	0.482	-0.017	0.002	1.4e-15
rs142473518	7	99894971	G	Α	0.190	0.018	0.003	6.4e-12
rs4727673	7	107021301	Α	С	0.526	0.014	0.002	2.2e-11
rs71243006	7	114633041	G	Т	0.104	-0.021	0.003	6.7e-10
rs1973325	7	137879428	G	Α	0.692	-0.028	0.002	1.3e-34
rs28744543	7	138705803	Α	G	0.509	-0.013	0.002	1.9e-09
rs71552657	7	143082534	Α	G	0.211	0.021	0.003	2.5e-16
rs4840638	8	6698248	G	Т	0.536	-0.024	0.002	9.6e-30
rs17078436	8	6827165	С	Т	0.016	0.076	0.008	2.5e-19
rs7826487	8	6880925	Ğ	À	0.116	-0.050	0.003	8.5e-52
rs6988319	8	6915673	Ğ	C	0.608	0.015	0.002	1e-11
rs7460395	8	11835375	Ä	Ğ	0.512	-0.016	0.002	1.1e-14
rs62501136	8	23089429	Α	Ğ	0.222	0.021	0.003	8e-17
rs3735759	8	27203039	Τ	Č	0.867	-0.019	0.003	5.5e-10
rs62505144	8	30355038	Ť	Ğ	0.230	-0.019	0.002	8.7e-15
rs4737009	8	41630405	À	Ğ	0.236	0.017		1.6e-11
rs45577137	8	48651633	G	A	0.045	-0.068	0.005	3e-36
rs333613	8	56785685	T	Ċ	0.611	-0.018	0.002	2e-17
rs7824937	8	61392724	Ġ	A	0.367	0.018	0.002	1.4e-16
rs144345073	8	68811043	A	T	0.399	-0.024	0.002	1.3e-28
rs62510269	8	79012343	Ğ	Ä	0.147	-0.025	0.002	2e-17
rs1863651	8	82066998	T	Ā	0.699	-0.023	0.003	1.1e-13
rs72673751	8	106578940	Ċ	Ť	0.190	-0.017	0.002	3.4e-10
rs1954735	8	108239325	C	Ť	0.169	0.022	0.003	1.2e-15
rs3808461	8	116597716	T	Ċ	0.169	-0.031	0.003	1.26-13 1e-47
rs12334935								
	8	126617990	A	G	0.472	-0.015	0.002	8.5e-13
rs7843207	8	130570063	A	С	0.506	-0.072	0.002	1e-200
rs10101101	8	130691767	A	G	0.139	-0.041	0.003	3.5e-40
rs4397371	8	130701417	T	С	0.733	-0.018	0.002	9e-14
rs837227	8	130964654	T	C	0.744	-0.017	0.002	4.2e-13
rs10099546	8	144638734	G	Α	0.142	-0.021	0.003	1.8e-12
rs34881325	9	2622134	Т	С	0.376	0.018	0.002	1.1e-16

Fish	7000050		04000457	_		0.700	0.000	0.000	40.05
Fa11557154 9 34107505 T C 0.127 0.033 0.003 2.1e-25	rs7036656	9	21990457	T	C	0.722	0.029	0.002	4.2e-35
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FS10758481 9						-			
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FS13296201 9	rs1008158						-0.071	0.002	1e-200
FS2181148	rs13296236	9	113877078			0.362	-0.071	0.002	1e-200
ISPZT59267 9 126971204 T C 0.157 0.024 0.003 5.1e-16 ISB324527 9 130702642 T C 0.099 0.025 0.003 7.6e-13 7.6e-13 7.7e-17 7.7		9	114341971	Τ	С	0.192	0.050	0.003	2.6e-78
rs3824527 9 130702642 T C 0.099 0.025 0.003 7.6e-13 rs687289 9 136137106 A G 0.318 -0.047 0.002 9e-97 rs71477838 10 3827920 T C 0.148 -0.020 0.002 1.3e-11 rs7918233 10 3919071 A G 0.489 0.013 0.002 1.4e-10 rs2646420 10 8467037 T C 0.304 0.020 0.002 6.9e-19 rs21955547 10 25217783 A G 0.369 -0.046 0.002 2.e-10 rs475616 10 30496905 G A 0.656 0.015 0.002 2.fe-10 rs61850681 10 50248924 A G 0.327 -0.021 0.002 2.6e-10 rs2393573 10 61657500 C G 0.327 0.016 0.002 2.6e-12 rs791953	rs2181148	9	114467450	С	Τ	0.652	0.027	0.002	6.5e-32
Facility Facility	rs72759267	9	126971204	Τ	С	0.157	0.024	0.003	5.1e-16
Institution	rs3824527	9	130702642	Т	С	0.099	0.025	0.003	7.6e-13
rs7918233	rs687289	9	136137106	Α	G	0.318	-0.047	0.002	9e-97
rs7919913 10 5926216 A G 0.346 0.020 0.002 6.9e-19 rs2646420 10 8467037 T C 0.380 -0.026 0.002 2.8e-33 rs112955547 10 25217783 A G 0.369 -0.046 0.002 4.2e-100 rs475616 10 30496905 G A 0.656 0.015 0.002 5.1e-12 rs2790861 10 44880207 G C 0.389 -0.021 0.002 1.1e-20 rs2190180 10 60036246 G T 0.112 -0.021 0.002 2.6e-10 rs2393573 10 61657500 C G 0.327 0.016 0.002 2.6e-12 rs224101 10 64543777 A T 0.605 0.022 0.002 1.4e-24 rs7919533 10 73525525 C T 0.486 0.020 0.002 2.8e-22 rs11	rs71477838	10	3827920	Т	С	0.148	-0.020	0.003	1.3e-11
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rs17756204 11 88083639 A G 0.093 -0.029 0.004 7.3e-16 rs61890767 11 100645477 C A 0.262 0.017 0.002 9e-13 rs17684670 11 101676821 A G 0.065 0.035 0.004 2.6e-16 rs227043 11 108231309 A C 0.553 0.017 0.002 4.4e-16 rs3782004 11 114070250 C T 0.188 -0.017 0.003 5.9e-10 rs7110984 11 118442234 A G 0.047 0.034 0.005 4.4e-12 rs3794073 11 119146129 C T 0.273 -0.018 0.002 1.3e-14 rs12577260 11 122506129 G C 0.124 0.065 0.003 1.1e-92 rs74400777 11 128634760 T C 0.156 -0.019 0.002 1.4e-20									
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rs2535393 12 711662 C T 0.600 -0.017 0.002 1.4e-15									
							-0.017		
rs7955734 12 4333159 G C 0.210 -0.024 0.003 6.7e-21	rs7955734	12	4333159	G	С	0.210	-0.024	0.003	6.7e-21

rs10849448	12	6493351	G	Α	0.753	-0.054	0.002	5.5e-106
rs78326895	12	10584254	Č	T	0.144	0.044	0.003	1.3e-46
rs4082413	12	30783184	Ğ	Ċ	0.511	0.017	0.002	2.1e-15
rs2651369	12	32552769	Ğ	Č	0.323	0.014	0.002	1.2e-09
rs1700159	12	52305786	T	Č	0.772	0.019	0.002	7.6e-15
rs11170652	12	54099076	Ä	Ğ	0.172	-0.019	0.002	2.3e-13
rs35979828	12	54685880	Ť	C	0.194	-0.019	0.003	4.3e-13
rs73120022	12	57613780	A	G	0.070			3.2e-09
	12		A	C		-0.014	0.002 0.004	
rs1800973 rs7487314		69744014	T		0.061	0.126		1.4e-182
	12	88836215		G	0.701	-0.015	0.002	5.8e-11
rs4254123	12	89908218	A	С	0.707	0.019	0.002	4.5e-16
rs147780246	12	101884399	T	G	0.019	0.045	0.008	4.5e-09
rs12372532	12	108726376	T	C	0.079	0.023	0.004	2.8e-09
rs7314538	12	110050110	G	A	0.441	0.017	0.002	3.9e-15
rs3184504	12	111884608	С	T	0.519	-0.047	0.002	3.4e-112
rs28432783	12	124857823	С	T	0.606	0.014	0.002	8.9e-11
rs10846740	12	125303282	C	Ţ	0.858	-0.023	0.003	4.6e-14
rs2504209	13	28546766	G	Α	0.811	0.019	0.003	6.6e-13
rs188175496	13	28595940	Т	С	0.024	-0.099	0.007	7.2e-41
rs76428106	13	28604007	С	Т	0.013	0.555	0.010	1e-200
rs17086242	13	28611221	С	Т	0.041	-0.070	0.005	2e-40
rs138028125	13	28712689	G	С	0.035	0.139	0.006	9.9e-122
rs1892548	13	41002641	С	Т	0.657	-0.064	0.002	3.1e-182
rs9532580	13	41244260	С	Т	0.264	-0.030	0.002	1.4e-37
rs9316470	13	50203763	Α	G	0.126	-0.020	0.003	6.1e-10
rs809845	13	50724055	Τ	С	0.443	0.017	0.002	1.6e-16
rs73217470	13	72513420	G	Α	0.047	0.064	0.005	5.1e-38
rs1146933	13	78404049	С	Τ	0.785	-0.015	0.003	1.4e-09
rs60699901	13	92009193	С	Τ	0.117	0.024	0.003	7.4e-13
rs374039502	13	108960385	Α	Τ	0.021	-0.113	0.008	3.5e-48
rs9514999	13	109827299	Τ	С	0.444	0.013	0.002	7.2e-10
rs9555596	13	110011839	С	Τ	0.385	0.023	0.002	1.2e-25
rs7983334	13	110303919	Α	G	0.872	-0.019	0.003	3.5e-09
rs58814158	13	110820255	G	Т	0.156	-0.024	0.003	1.4e-16
rs2239630	14	23589349	G	Α	0.558	0.046	0.002	1.4e-106
rs1052484	14	25281444	С	G	0.217	0.015	0.003	1.8e-09
rs2038700	14	25461989	С	Т	0.394	0.040	0.002	1.3e-77
rs1400745	14	35355300	G	Α	0.528	0.019	0.002	1.1e-18
rs113670117	14	36099366	Т	С	0.088	-0.024	0.004	1.2e-10
rs12147629	14	75307588	Ğ	A	0.311	0.019	0.002	2.6e-17
rs754388	14	93115410	Č	G	0.811	0.029	0.003	9.2e-27
rs4905043	14	93550009	Ă	Ğ	0.399	0.018	0.002	7.1e-17
rs62007660	14	103843344	A	Ğ	0.737	0.064	0.002	3.9e-159
rs11856829	15	39277781	T	Č	0.438	0.014	0.002	1.2e-10
rs72726037	15	42263979	À	Ğ	0.111	-0.056	0.003	5.4e-62
rs3101851	15	50846896	T	C	0.214	-0.017	0.003	1.8e-11
rs8034610	15	64628917	Ä	Ğ	0.879	0.061	0.003	2.6e-79
rs2572207	15	66070693	T	C	0.240	-0.025	0.003	4e-24
rs8037798	15	75240030	Ġ	T	0.231	0.023	0.002	1.8e-20
rs1077965	15	80065337	G	Å	0.425	0.023	0.003	1.3e-20
rs2562756			G					
rs8033923	15 15	80226326 80257747	G	A A	0.329 0.210	-0.026 -0.078	0.002 0.003	2.9e-32 1e-200
rs2061822	15	86122779	C	T	0.210	-0.076	0.003	3.8e-12
rs3803478				C				
	15 16	99090692	A		0.198	0.021	0.003	3.1e-15
rs1967309	16	4065583	G	A	0.605	-0.023	0.002	2.1e-27
rs8049116	16	4150530	Т	С	0.117	0.025	0.003	3.3e-14

rs11641185	16	10986596	Т	С	0.733	-0.016	0.002	4.3e-12
rs10871483	16	29592725	A	T	0.733	-0.016	0.002	4.3e-12 3.2e-11
rs7196129	16	30471109	Ĉ	Ť	0.517	0.013	0.002	2.2e-11
								5.3e-15
rs35675346	16	30936081	A	G	0.240	-0.019	0.002	
rs11644125	16	57058974	T	С	0.600	-0.020	0.002	8.7e-21
rs34746889	16	67221444	C	G	0.018	-0.055	0.008	6e-12
rs12924604	16	74601486	Α	G	0.198	-0.018	0.003	4.3e-12
rs11640701	16	84603083	Α	G	0.303	0.015	0.002	1.3e-10
rs428578	16	85917944	G	Α	0.348	-0.071	0.002	1e-200
rs305071	16	85949271	Α	G	0.120	-0.083	0.003	1.9e-141
rs2176777	16	86012521	С	G	0.813	0.056	0.003	8.1e-98
rs4843885	16	86033186	G	Т	0.183	-0.023	0.003	7.4e-17
rs16940328	16	86076108	Α	G	0.113	0.039	0.003	4e-31
rs58912472	17	1626018	G	Α	0.527	-0.012	0.002	3.1e-09
rs10459917	17	2009752	С	Α	0.203	-0.027	0.003	1.9e-24
rs9898876	17	7526962	Τ	G	0.199	0.019	0.003	2.4e-13
rs118083884	17	16522922	Α	G	0.016	-0.096	0.009	6.4e-26
rs4925114	17	17711270	G	Α	0.654	-0.019	0.002	1.9e-18
rs62057793	17	25856325	Α	G	0.111	-0.021	0.003	7.8e-10
rs880749	17	28059970	С	Τ	0.527	-0.034	0.002	8.4e-59
rs7223589	17	29728284	С	Τ	0.615	0.015	0.002	1.7e-11
rs138899494	17	32540836	Α	G	0.139	0.022	0.003	1.2e-12
rs1016680	17	35874385	С	Α	0.635	-0.027	0.002	2.8e-34
rs2302774	17	38183090	Τ	G	0.382	-0.020	0.002	2.5e-20
rs2074163	17	40270957	Α	G	0.176	0.019	0.003	9.9e-12
rs62054807	17	43915497	Т	С	0.293	0.022	0.002	6.1e-22
rs34097845	17	56358429	Т	С	0.057	-0.114	0.005	4.3e-133
rs7212018	17	56411460	À	Ğ	0.131	0.025	0.003	4e-16
rs2526359	17	57933508	G	Ā	0.436	-0.039	0.002	2.4e-75
rs236513	17	68169458	Č	Т	0.118	-0.021	0.003	1.1e-10
rs2084312	17	72695211	Ť	Ċ	0.800	0.036	0.003	4.2e-44
rs16978176	17	72761242	Ċ	Ť	0.469	-0.025	0.002	8.3e-34
rs745570	17	77781725	Ğ	À	0.514	0.015	0.002	1.7e-12
rs9330536	17	81083854	Č	T	0.487	0.064	0.002	1.9e-172
rs238135	18	3448979	Č	Ť	0.290	-0.015	0.002	1.5e-10
rs4006418	18	19710333	Ť	Ċ	0.084	0.027	0.004	7.4e-13
rs12327253	18	20719164	Ġ	Ä	0.288	0.020	0.002	4.4e-18
rs718515	18	43856297	A	Ğ	0.553	-0.022	0.002	2.2e-25
rs8084255	18	48144754	T	C	0.373	0.015	0.002	1.3e-11
rs954954	18	60902328	Ċ	Ä	0.105	-0.030	0.003	2.8e-18
rs17758695	18	60920854	T	C	0.029	-0.113	0.006	6e-74
rs10460159	18	60996360	Ċ	Ť	0.429	-0.016	0.002	8.1e-15
rs3177609	18	74071078	Č	Ť	0.423	0.031	0.002	1.2e-15
rs2007483	18	77476131	A	Ť	0.382	-0.025	0.004	4.4e-30
rs61242663	19	836059	Ť	Ċ	0.362	0.023	0.002	3.7e-28
rs113772652	19	1031550	Ť	C	0.256	0.027	0.002	2.2e-22
rs2873040		3172494	Ť	C	0.439		0.002	
	19	3410135		T		-0.050		5.4e-12
rs12980774	19		С		0.222	-0.017	0.003	4.9e-11
rs62107586	19	6468331	С	T	0.448	-0.014	0.002	6.3e-12
rs413141	19	6675989	G	Α	0.863	0.045	0.003	3.8e-48
rs4239552	19	7848679	T	C	0.219	-0.021	0.003	5.4e-17
rs35928002	19	18116144	G	A	0.306	-0.034	0.002	3.7e-49
rs10406080	19	18402142	G	С	0.616	0.029	0.002	7.9e-42
rs79802726	19	18654587	T	G	0.187	0.020	0.003	4.1e-13
rs7249692	19	19670688	C	T	0.671	-0.018	0.002	1.3e-15
rs62126615	19	33749710	Т	С	0.167	0.023	0.003	3.6e-16

rs12151289	19	33751852	С	G	0.030	-0.088	0.006	1.3e-45
rs8111664	19	44295092	Α	G	0.424	-0.041	0.002	2.9e-82
rs13344267	19	45137012	С	Α	0.200	0.016	0.003	1.8e-09
rs439401	19	45414451	С	Т	0.638	-0.016	0.002	1.9e-13
rs344812	19	45791838	С	Α	0.306	-0.051	0.002	9e-111
rs11669500	19	52144572	С	Т	0.383	-0.019	0.002	1.3e-16
rs62143206	19	54326212	Т	G	0.211	-0.073	0.003	2.1e-179
rs11666987	19	55698477	Т	G	0.161	0.018	0.003	8.2e-10
rs34600126	20	1597433	Τ	G	0.219	0.023	0.003	2.1e-19
rs4813619	20	2815715	Τ	G	0.511	0.017	0.002	1.5e-15
rs628977	20	3649721	С	Т	0.629	-0.014	0.002	4e-10
rs1883932	20	8609588	Τ	Α	0.508	-0.029	0.002	3.7e-44
rs192009275	20	30250942	Т	С	0.255	-0.021	0.002	1.9e-17
rs4911236	20	31082056	Α	G	0.308	-0.032	0.002	4.4e-42
rs61114499	20	31192357	Α	G	0.259	0.055	0.002	6.4e-115
rs4142441	20	42839620	G	Α	0.151	0.035	0.003	1.2e-31
rs6125961	20	48884124	Α	С	0.200	-0.072	0.003	2.6e-167
rs4350814	20	48969177	Α	G	0.176	-0.047	0.003	9e-65
rs6091164	20	49073733	Τ	G	0.063	-0.036	0.004	1.8e-16
rs3787513	20	61573736	Α	G	0.209	-0.017	0.003	5.2e-11
rs1997577	21	16371102	Τ	Α	0.155	-0.033	0.003	7.9e-30
rs11088296	21	36237546	Т	С	0.263	0.017	0.002	1.1e-12
rs10460712	21	36292228	С	Α	0.898	-0.024	0.003	5.3e-12
rs34825969	21	39846142	Α	G	0.135	-0.026	0.003	5.4e-17
rs41409548	22	17579495	Α	G	0.033	-0.103	0.006	3.1e-60
rs5748937	22	17675324	Τ	С	0.054	-0.069	0.005	2.1e-44
rs138632530	22	17676901	Τ	С	0.108	0.025	0.004	1.9e-12
rs2019180	22	17712142	Α	G	0.092	-0.035	0.004	2.7e-20
rs35720801	22	24639878	Α	G	0.275	-0.029	0.002	1e-33
rs9625746	22	29637658	С	G	0.416	-0.021	0.002	2.5e-23
rs3091374	22	39480245	Т	С	0.558	0.016	0.002	5.8e-15
rs5758364	22	41855912	С	Α	0.776	0.016	0.003	1.6e-09
rs138918	22	43559451	Α	G	0.392	0.031	0.002	5.8e-47
rs739239	22	50050468	Α	G	0.613	0.018	0.002	1.4e-17

Table S10. 469 SNPs significantly associated with monocyte count used IVs in forward MR analyses derived from Chen MH et al. Chr: Chromosome; EA: Effect allele; NEA: Non-effect allele; EAF: Effect allele frequency.

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SNP	Chr	Pos	EΑ	NEA	EAF	Beta	SE	P-value
rs11190141	10	101292390	Τ	С	0.372	-0.044	0.002	4.02e-113
rs11191514	10	104773364	Τ	С	0.080	-0.028	0.003	1.55e-15
rs7095778	10	111929369	G	Α	0.091	-0.020	0.003	3.56e-10
rs10885396	10	114711755	Τ	С	0.542	-0.014	0.002	2.71e-14
rs10828725	10	25218243	Τ	G	0.368	-0.047	0.002	3.56e-121
rs475616	10	30496905	G	Α	0.656	0.016	0.002	2.97e-15
rs1043009	10	3819714	Ť	C	0.377	-0.013	0.002	5.81e-12
rs7918233	10	3919071	À	Ğ	0.489	0.012	0.002	1.54e-10
rs72790862	10	44880260	C	Ť	0.307	-0.020	0.002	1.92e-23
rs17011726	10	50264204	Ğ	Ċ	0.233	-0.023	0.002	1.23e-24
rs10795595	10	5895923	T	A	0.425	0.020	0.002	3.17e-25
rs1180658	10	61645945	Å	Ĉ	0.634	-0.013	0.002	1.19e-10
rs224111	10	64552010	A	G	0.034	-0.013	0.002	1.19e-10 1.16e-27
			C	T				
rs7919533	10	73525525			0.488	0.020	0.002	1.55e-26
rs77637782	10	80924258	T	G	0.433	-0.012	0.002	7.39e-10
rs2646421	10	8467155	С	G	0.378	-0.026	0.002	3.28e-41
rs2184697	10	89851815	G	T	0.293	-0.015	0.002	1.23e-12
rs11189154	10	99108922	Α	G	0.256	0.051	0.002	1.25e-122
rs71482156	11	118734516	Т	Α	0.016	0.056	0.008	4.71e-12
rs10892342	11	119135814	С	Т	0.276	-0.018	0.002	7.02e-18
rs662333	11	121578945	Α	G	0.780	-0.014	0.002	1.05e-09
rs11602323	11	122519281	G	Τ	0.123	0.065	0.003	9.22e-115
rs695113	11	128562098	Τ	С	0.697	0.021	0.002	1.04e-24
rs907612	11	1874221	Τ	С	0.380	-0.033	0.002	5.19e-60
rs4980325	11	234451	Τ	G	0.541	0.014	0.002	5.73e-13
rs11246065	11	324170	G	Α	0.339	-0.022	0.002	1.6e-26
rs1885525	11	33904180	Α	G	0.506	0.013	0.002	7.62e-12
rs2957873	11	47249294	Α	G	0.809	-0.021	0.002	9.44e-19
rs573790	11	59855385	С	Т	0.614	-0.016	0.002	1.48e-16
rs6591578	11	60158649	A	G	0.634	0.022	0.002	2.03e-29
rs10796828	11	69490346	G	Ť	0.635	-0.018	0.002	3.26e-20
rs11235689	11	72949747	Ť	Ċ	0.414	-0.016	0.002	4.79e-16
rs72966841	11	88070110	Ť	Ä	0.094	-0.027	0.003	1.61e-16
rs7120300	11	8823493	Ť	C	0.735	-0.017	0.002	6.41e-16
rs7975680	12	101864287	Ċ	A	0.604	0.013	0.002	2.12e-10
rs2734442	12	10600368	A	Ğ	0.876	-0.042	0.002	3e-49
rs10744732	12	1078076	Ť	C	0.378	0.042	0.003	2.49e-09
	12			G				
rs4365101		108707583	A		0.068	-0.027	0.004	1.14e-12
rs9943753	12	109840940	G	A	0.628	0.014	0.002	4.79e-12
rs3184504	12	111884608	С	T	0.517	-0.047	0.002	1.58e-139
rs73201961	12	116830960	С	A	0.089	0.027	0.003	1.44e-16
rs7308348	12	122225420	C	T	0.182	0.015	0.002	4.78e-10
rs11057841	12	125316743	T	С	0.144	0.020	0.003	8.16e-14
rs4082413	12	30783184	G	C	0.512	0.015	0.002	2.06e-16
rs2651369	12	32552769	G	С	0.326	0.014	0.002	1.45e-12
rs10849020	12	4332009	G	С	0.210	-0.024	0.002	1.28e-25
rs1700159	12	52305786	Τ	С	0.774	0.020	0.002	1.83e-19
rs12309572	12	54074686	Τ	С	0.168	0.019	0.003	2.44e-14
rs35979828	12	54685880	Τ	С	0.071	-0.046	0.004	1.28e-35
rs7485577	12	57616061	Α	G	0.269	-0.015	0.002	9.09e-12
rs10849448	12	6493351	G	Ā	0.753	-0.050	0.002	2.77e-111

rs1800973	12	69744014	Α	С	0.062	0.113	0.004	1.64e-187
rs11104881	12	88843474	C	T	0.002	-0.016	0.004	3.35e-14
rs12306790	12	89864047	T	Ċ	0.702	0.019	0.002	2.22e-20
			Ċ	T				
rs9555596	13	110011839			0.383	0.023	0.002	1.55e-32
rs7983334	13	110303919	Α	G	0.872	-0.019	0.003	3.38e-11
rs58814158	13	110820255	G	T	0.157	-0.024	0.003	3.24e-19
rs9583493	13	111091632	A	С	0.427	0.011	0.002	3.12e-09
rs2183246	13	114901188	T	C	0.683	-0.014	0.002	1.94e-11
rs2504209	13	28546766	G	Α	0.811	0.018	0.002	3.58e-14
rs188175496	13	28595940	Т	С	0.024	-0.093	0.007	2.93e-43
rs76428106	13	28604007	С	Т	0.013	0.536	0.009	1e-200
rs17086242	13	28611221	С	Т	0.041	-0.069	0.005	1.71e-47
rs138028125	13	28712689	G	С	0.035	0.135	0.006	6.19e-131
rs1892548	13	41002641	С	Т	0.655	-0.063	0.002	1e-200
rs9532580	13	41244260	С	Τ	0.264	-0.028	0.002	9.72e-40
rs9316470	13	50203763	Α	G	0.127	-0.017	0.003	1.72e-09
rs809845	13	50724055	Τ	С	0.443	0.015	0.002	3.57e-16
rs73217470	13	72513420	G	Α	0.047	0.065	0.004	2.11e-47
rs1146933	13	78404049	С	T	0.786	-0.014	0.002	8.88e-10
rs60699901	13	92009193	С	Τ	0.118	0.022	0.003	2.02e-13
rs8016326	14	103846716	Α	G	0.734	0.061	0.002	3.81e-178
rs4983387	14	105268228	Α	G	0.899	0.019	0.003	2.2e-09
rs2239630	14	23589349	G	Α	0.556	0.049	0.002	4.68e-146
rs1052484	14	25281444	C	G	0.216	0.014	0.002	1.28e-09
rs2038700	14	25461989	С	Т	0.394	0.040	0.002	2.81e-96
rs754388	14	93115410	С	G	0.811	0.030	0.002	6.43e-36
rs4905043	14	93550009	Ā	Ğ	0.400	0.019	0.002	1.31e-20
rs62018159	15	40397421	Α	Ğ	0.209	0.015	0.002	1.42e-10
rs1002774	15	42261781	Α	Ğ	0.112	-0.054	0.003	4.48e-73
rs60695341	15	51010271	Т	Č	0.197	-0.018	0.002	1.14e-14
rs6493575	15	53013475	Ť	Č	0.396	-0.012	0.002	1.86e-10
rs62011334	15	63837491	Ġ	Ä	0.355	0.012	0.002	2.1e-09
rs7180079	15	64629873	Ğ	A	0.877	0.059	0.003	3.41e-95
rs11857609	15	66095270	Č	T	0.760	0.023	0.002	3.99e-26
rs1081230	15	80095646	Ğ	À	0.577	-0.020	0.002	8.43e-25
rs2061822	15	86122779	Č	T	0.674	-0.014	0.002	8.67e-12
rs73467599	15	99088453	Č	Ť	0.199	0.018	0.002	5.95e-15
rs11641185	16	10986596	T	Ċ	0.732	-0.015	0.002	5.06e-13
rs7196129	16	30471109	Ċ	T	0.530	0.025	0.002	2.45e-39
rs7185007	16	30927509	T	Ċ	0.240	-0.017		2.4e-14
rs1967309	16	4065583	Ġ	A	0.603	-0.022	0.002	1.43e-30
rs11508026	16	56999328	T	Ċ	0.431	-0.012	0.002	2.7e-10
rs11644125	16	57058974	Ť	Č	0.598	-0.019	0.002	4.73e-24
rs9937847	16	85917551	Ċ	T	0.071	-0.112	0.002	1e-200
rs366078	16	85964563	C	Ť	0.071	0.112	0.004	1e-200
rs76209847	16	85967249	T	Ċ	0.130	-0.075	0.005	7.35e-49
rs2885363	16	86009261	Ċ	Ğ	0.037	0.117	0.003	1e-200
rs140634734	16	86018831	T	C	0.079	0.117	0.004	4.27e-15
rs79252394			Τ̈́					
	16	86021968	Ċ	G T	0.030	-0.043	0.006	2.91e-14
rs12942576	17	1312461			0.683	0.012	0.002	2.19e-09
rs118083884	17 17	16522922	A	G	0.017	-0.097	0.009	1.01e-29
rs12941356	17 17	17716531	G	A	0.588	-0.017	0.002	2.45e-18
rs9915112	17 17	2007826	G	A	0.203	-0.027	0.002	4.21e-30
rs62057793	17	25856325	A	G	0.112	-0.019	0.003	8e-11
rs71368117	17	27329227	С	T	0.087	-0.024	0.003	1.58e-11
rs2729450	17	28088459	С	Т	0.524	-0.031	0.002	1.36e-59

rs17614093	17	32509256	G	С	0.430	-0.015	0.002	7.17e-15
rs1016680	17	35874385	C	A	0.430	-0.013	0.002	4.31e-39
rs2302774	17	38183090	T	Ĝ	0.383	-0.024	0.002	5.68e-36
rs2074163	17	40270957	A	G	0.303	0.019	0.002	4.21e-14
rs62054807	17	43915497	Ť	C	0.177	0.019	0.002	2.45e-22
rs34097845	17	56358429	Τ̈́	C	0.293	-0.101	0.002	2.43e-22 2.99e-124
rs11656162	17	56404625	C	G	0.034	0.035	0.005	7.65e-11
rs2665405	17	57875292	Α	G	0.548	0.038	0.002	5.37e-93
rs236513	17	68169458	С	T	0.118	-0.020	0.003	6.64e-12
rs2084312	17	72695211	T	C	0.800	0.038	0.002	8.97e-58
rs16978176	17	72761242	С	T	0.465	-0.025	0.002	2.89e-40
rs9898876	17	7526962	T	G	0.197	0.018	0.002	9.89e-14
rs745570	17	77781725	G	Α	0.514	0.014	0.002	5.38e-13
rs9674881	17	81078568	Т	С	0.486	0.063	0.002	2.16e-189
rs238136	18	3448755	G	Α	0.250	-0.015	0.002	1.68e-11
rs11082397	18	42094299	G	Т	0.129	0.019	0.003	1.36e-11
rs718515	18	43856297	Α	G	0.552	-0.020	0.002	5.66e-26
rs9963693	18	45599257	С	Т	0.261	0.013	0.002	5.39e-10
rs745822	18	48142822	G	Τ	0.376	0.016	0.002	3.16e-17
rs954954	18	60902328	С	Α	0.105	-0.029	0.003	4.2e-21
rs141390096	18	60911544	С	G	0.037	-0.033	0.005	4.2e-11
rs17758695	18	60920854	Т	С	0.029	-0.109	0.006	3.89e-80
rs10460159	18	60996360	С	Т	0.429	-0.016	0.002	9.88e-17
rs3177609	18	74071078	С	Т	0.078	0.031	0.004	8.26e-19
rs2007483	18	77476131	Α	Т	0.382	-0.024	0.002	1.63e-34
rs10403909	19	1008358	G	Α	0.724	0.019	0.002	1.95e-17
rs11086102	19	18398628	Č	G	0.633	0.031	0.002	2.26e-54
rs3859570	19	18510925	Č	Ť	0.425	-0.028	0.002	3.97e-44
rs7249692	19	19670688	Č	T	0.671	-0.017	0.002	8.83e-18
rs72987040	19	3251116	Ā	Ċ	0.124	-0.025	0.003	2.71e-18
rs62126615	19	33749710	T	Č	0.168	0.020	0.003	3.69e-16
rs74259566	19	42735177	Ġ	Č	0.101	0.029	0.003	7.51e-20
rs56344893	19	44282529	Ä	Č	0.373	-0.044	0.002	2.12e-114
rs10425556	19	45259871	T	Ğ	0.062	0.026	0.004	1.94e-10
rs11669910	19	45741333	Ť	Ä	0.258	-0.067	0.002	1e-200
rs33978622	19	51736383	Ċ	Ĝ	0.329	-0.018	0.002	7.51e-19
rs3803904	19	55699646	T	Č	0.134	0.017	0.003	1.96e-09
rs413141	19	6675989	Ġ	A	0.863	0.043	0.003	1.42e-54
rs571497	19	7827830	A	Ĝ	0.005	-0.028	0.003	8.94e-27
rs6687430	1	10633245	Ā	G	0.133	0.012	0.003	2.41e-10
rs284324	1	10033243	A	G	0.495	0.012	0.002	5.94e-27
rs333947	1	110470764		G	0.493	0.021	0.002	2.21e-44
rs11102144	1	111195493	A G	A	0.166	-0.016	0.003	1.43e-10
			C	T				
rs67224956 rs6665912	1	118154575 150544093	C	Ť	0.170	0.027	0.002	2.01e-27
	1				0.223	-0.072	0.002	1e-200
rs60752752	1	153339782	G	A	0.118	0.025	0.003	2.95e-17
rs3027012	1	159174123	Ţ	С	0.183	0.028	0.002	4.37e-31
rs4987353	1	169666987	A	G	0.310	-0.022	0.002	1.93e-27
rs3795503	1	180905694	T	C	0.315	-0.019	0.002	1.68e-20
rs11590380	1	185400939	C	T	0.679	0.025	0.002	1.69e-32
rs12747432	1	198566554	T	G	0.067	-0.024	0.004	1.31e-10
rs9787298	1	204276040	C	A	0.211	-0.016	0.002	2.66e-12
rs1772143	1	205799987	Α	T	0.413	0.020	0.002	8.11e-26
rs7522307	1	207998783	С	G	0.124	-0.023	0.003	4.36e-16
rs701905	1	212553111	С	G	0.352	0.022	0.002	1.63e-28
rs2784250	1	221060393	G	Т	0.140	-0.017	0.003	3.11e-10

rs1335929	1	221136787	С	Т	0.571	0.017	0.002	1.77e-18
rs113292043	1	223231657	T	Ċ	0.066	-0.025	0.002	5.45e-11
rs6696074	1	225962690	, T	Č	0.563	0.023	0.004	1.49e-21
rs4626924	1	234909298	, T	C	0.551	-0.018	0.002	8.2e-22
rs4269828	1	235257838	Ġ	A	0.560	0.012	0.002	1.89e-10
			_					
rs6429432	1	236107241	C	A	0.892	-0.080	0.003	6.29e-156
rs1212036	1	23690216	T	C	0.114	-0.018	0.003	1.72e-09
rs61165644	1	244487940	G	Α	0.141	-0.026	0.003	2.59e-22
rs4335411	1	249191706	Α	G	0.762	-0.017	0.002	5.51e-13
rs11247908	1	26638222	Α	G	0.173	-0.029	0.002	1.92e-32
rs188393352	1	28254136	G	С	0.010	0.087	0.010	2.36e-17
rs35351292	1	31208042	Т	С	0.265	0.014	0.002	6.97e-11
rs41268099	1	41328644	Α	G	0.111	0.029	0.003	2.47e-22
rs2786487	1	42368339	С	G	0.559	0.015	0.002	3.33e-15
rs17387886	1	43419705	С	G	0.174	-0.028	0.003	1.45e-28
rs55684236	1	44080009	Α	G	0.348	0.012	0.002	3.89e-09
rs2274664	1	54704629	Т	С	0.580	-0.015	0.002	2.75e-15
rs12738019	1	54876199	G	Α	0.556	-0.013	0.002	2.21e-12
rs72675573	1	56636881	Т	С	0.366	0.016	0.002	1.76e-16
rs1933295	1	62107021	G	Α	0.777	-0.024	0.002	1.74e-25
rs6664626	1	66128239	Т	G	0.143	0.019	0.003	4.38e-11
rs41313381	1	79411968	Α	С	0.030	0.043	0.005	8.85e-16
rs7532966	1	89955188	С	Τ	0.499	0.017	0.002	1.6e-19
rs12144117	1	9182141	Τ	С	0.215	-0.014	0.002	7.63e-10
rs114425738	1	92171673	С	G	0.013	0.268	0.008	1e-200
rs115340020	1	92766438	Α	G	0.027	-0.094	0.006	2.22e-59
rs7524046	1	9307033	Α	G	0.251	0.015	0.002	1.11e-11
rs2433279	1	93907909	G	Т	0.879	0.023	0.003	2.08e-15
rs80036648	1	93912771	G	Α	0.017	0.155	0.008	1.16e-92
rs7516138	1	9711642	Ğ	Α	0.391	-0.023	0.002	1.31e-31
rs34600126	20	1597433	Ť	G	0.218	0.022	0.002	6.03e-23
rs4813619	20	2815715	Ť	Ğ	0.511	0.017	0.002	4.24e-18
rs12480462	20	31065178	Ť	Č	0.316	-0.031	0.002	1.44e-52
rs12480732	20	31191015	Ť	Č	0.258	0.054	0.002	8.58e-136
rs628977	20	3649721	Ċ	Ť	0.631	-0.013	0.002	1.21e-10
rs4142441	20	42839620	Ğ	À	0.152	0.031	0.003	1.22e-31
rs34414028	20	47212868	Ť	A	0.209	0.014	0.002	2.47e-09
rs932905	20	48796131	À	Ğ	0.282	0.021	0.002	6.11e-24
rs17196752	20	48887268	T	C	0.190	-0.072	0.002	8.1e-199
rs6512627	20	48967591	À	Ğ	0.194	-0.047		1.83e-88
rs3787513	20	61573736	A	Ğ	0.104	-0.015	0.002	6.32e-11
rs4432538	20	8607393	A	Ğ	0.509	-0.013	0.002	4.75e-54
rs1997577	21	16371102	T	A	0.155	-0.023	0.002	5.8e-30
rs57221391	21	16583936	Ġ	Ť	0.133	-0.022	0.003	1.51e-09
rs35068491	21	36238307	C	Ť	0.209	0.015	0.004	5.68e-10
rs2834670	21	36280376	G	A	0.209	0.013	0.002	1.11e-19
	21							
rs73203055	22	36407530	G G	C	0.072	-0.026	0.004	1.27e-12
rs192498589		17516047		A	0.017	0.070	800.0	8.24e-18
rs41409548	22	17579495	A	G	0.034	-0.096	0.006	1.49e-64
rs9606614	22	17579956	T	С	0.033	0.034	0.005	1.19e-10
rs2159068	22	17653955	G	С	0.798	0.017	0.002	3.28e-13
rs2019180	22	17712142	Α	G	0.093	-0.037	0.003	2.57e-27
rs35477714	22	18202530	С	G	0.505	0.013	0.002	1.39e-11
rs34505104	22	24624609	G	Α	0.305	-0.033	0.002	6.38e-57
rs9625746	22	29637658	С	G	0.413	-0.021	0.002	7.42e-28
rs62236123	22	31474019	С	G	0.042	-0.028	0.005	4.75e-09

rs139271	22	39487595	С	Т	0.442	-0.015	0.002	1.11e-15
rs47341	22	43560763	Ť	Ċ	0.396	0.031	0.002	1.46e-54
rs739241	22	50052921	À	Ğ	0.607	0.018	0.002	1.72e-20
rs140763648	22	50767351	G	Ä	0.412	-0.012	0.002	4.34e-09
rs6745920	2	102145661	Č	T	0.619	0.012	0.002	2.02e-10
rs150449635	2	111752151	Č	Ť	0.022	0.140	0.007	4.24e-97
rs72836307	2	111776154	T	Ċ	0.156	-0.041	0.003	1.37e-56
rs3789062	2	111917317	Ť	Č	0.245	-0.020	0.002	3.22e-20
rs4669869	2	12898460	Ċ	T	0.445	0.020	0.002	3.76e-27
rs7574456	2	136890059	T	Ċ	0.740	-0.040	0.002	5.2e-80
rs7608128	2	137007943	Τ̈́	G	0.740	-0.040	0.002	1.39e-15
rs3856364	2	145477217	Ġ	C	0.680	0.013	0.002	3.45e-10
rs13032786	2	148803672	G	Č	0.300	0.013	0.002	2.49e-23
rs1863219	2	160418171	G	Č	0.512	0.020	0.002	5.95e-23
rs13032491	2	161080233	T	C	0.139	0.016	0.002	4.72e-09
rs6733162	2	162913498	Ċ	G	0.139	0.010	0.003	1.4e-09
	2	162913496	G					
rs3931	2		G	A	0.320	0.023	0.002	2.02e-30
rs8207 rs11680095	2	170493863	T	A	0.267	0.014	0.002	1.29e-10 1.35e-31
		181825956		С	0.592	0.022	0.002	
rs78655702	2	182303729	T	С	0.050	-0.059	0.004	3.58e-43
rs155127	2	182305701	С	G	0.348	0.060	0.002	1e-200
rs155109	2	182352679	G	Α	0.321	-0.021	0.002	7.19e-26
rs17860428	2	202151400	A	G	0.180	-0.016	0.002	1.39e-10
rs6736362	2	219115108	T	С	0.559	0.022	0.002	6.45e-32
rs6436124	2	220041433	A	C	0.608	0.015	0.002	8.1e-15
rs10197805	2	225750753	С	T	0.157	-0.042	0.003	4.7e-59
rs4470337	2	228293381	G	Α	0.596	-0.012	0.002	4.33e-10
rs13002735	2	232268884	С	Α	0.241	-0.014	0.002	3.3e-10
rs30102	2	237817538	С	G	0.317	-0.013	0.002	9.89e-11
rs34236350	2	241568326	Ţ	C	0.183	-0.032	0.003	8.44e-38
rs2950835	2	27750545	G	A	0.557	0.013	0.002	7.45e-12
rs649729	2	31464385	Α	T	0.698	0.021	0.002	5.04e-24
rs28498283	2	43360065	T	Α	0.258	0.021	0.002	2.41e-22
rs6706095	2	46075677	G	Т	0.760	0.019	0.002	9.2e-19
rs75475627	2	54787592	G	С	0.077	0.024	0.004	1.8e-11
rs1562309	2	61770126	Α	С	0.615	-0.015	0.002	1.04e-15
rs1968179	2	64929212	Τ	С	0.243	0.018	0.002	3.81e-17
rs13385171	2	65661843	С	Т	0.583	0.028	0.002	5.14e-49
rs3111414	2	8443859	G	С	0.794	0.017	0.002	5.62e-14
rs7572278	2	8563029	Α	Т	0.207	0.022	0.002	3.44e-20
rs4907230	2	96855241	Α	G	0.324	0.016	0.002	7.24e-15
rs62261974	3	107296969	G	Α	0.183	-0.017	0.002	7.01e-12
rs1822534	3	12266804	G	Α	0.394	-0.031	0.002	4.69e-59
rs62263808	3	123086587	Α	G	0.217	-0.022	0.002	2.37e-22
rs2291079	3	124483089	G	С	0.219	-0.015	0.002	1.97e-11
rs11713343	3	128185399	Α	G	0.197	-0.026	0.002	5.24e-28
rs2245626	3	128287687	G	Α	0.676	0.075	0.002	1e-200
rs2669833	3	129604169	Α	G	0.160	-0.019	0.003	2.54e-13
rs7434143	3	136600667	Τ	G	0.680	0.017	0.002	6.49e-17
rs6800122	3	141249398	Τ	С	0.400	-0.022	0.002	4.75e-30
rs10804681	3	141660675	Τ	Α	0.843	-0.018	0.003	9.56e-13
rs1472121	3	151036229	Τ	С	0.776	0.014	0.002	3.65e-10
rs16831132	3	159923303	Τ	С	0.397	-0.014	0.002	2.07e-12
rs7633965	3	168864643	С	Α	0.929	0.025	0.004	8.35e-12
rs231988	3	172276979	С	Т	0.868	0.026	0.003	4.8e-19
rs2018092	3	185903842	С	Т	0.615	-0.012	0.002	1.97e-09

rs56925909	3	187429202	G	С	0.219	0.014	0.002	1.33e-09
rs9815073	3	188115682	Α	С	0.346	-0.022	0.002	4.16e-26
rs7626444	3	196504902	С	G	0.421	-0.029	0.002	5.72e-52
rs869785	3	24347800	С	Т	0.670	-0.017	0.002	3.97e-18
rs3732378	3	39307162	Α	G	0.173	0.055	0.002	1.07e-108
rs4683345	3	42886642	Α	G	0.385	-0.058	0.002	1e-200
rs73083231	3	43172180	G	Α	0.045	0.029	0.005	1.04e-10
rs28677778	3	46322171	G	Α	0.067	-0.065	0.004	5.53e-68
rs112313229	3	46364860	Α	G	0.045	0.057	0.005	6.64e-36
rs7429588	3	46835250	С	Τ	0.293	0.015	0.002	7.84e-11
rs11130612	3	58029016	Т	С	0.334	-0.012	0.002	4.71e-10
rs13079034	3	71813219	Τ	С	0.113	-0.021	0.003	1.05e-12
rs9809116	3	72397279	G	Α	0.409	0.017	0.002	8.21e-20
rs10935473	3	98416900	Τ	G	0.442	0.025	0.002	2.3e-40
rs141936164	4	103401723	G	Α	0.351	-0.019	0.002	2.29e-21
rs144317085	4	105806108	Τ	Α	0.034	0.062	0.005	3.1e-32
rs6533483	4	110887989	Α	G	0.403	-0.018	0.002	8.82e-22
rs7692994	4	120427489	Α	С	0.330	-0.014	0.002	5.59e-12
rs4240356	4	145042250	G	С	0.550	-0.024	0.002	1.94e-35
rs7687559	4	154385925	С	G	0.398	0.014	0.002	1.58e-12
rs113862443	4	157725371	G	С	0.085	-0.025	0.003	7.94e-14
rs56058420	4	185237116	G	Α	0.356	0.012	0.002	2.96e-09
rs2269486	4	2267566	Т	Α	0.164	0.021	0.003	8.55e-16
rs73809166	4	36305937	С	Т	0.023	0.046	0.006	3.78e-13
rs2711981	4	39039258	Т	С	0.663	-0.022	0.002	1.59e-27
rs723585	4	55503194	G	A	0.483	-0.017	0.002	9.43e-19
rs9637714	4	57731446	С	Т	0.289	-0.016	0.002	5.42e-15
rs871134	4	7044380	Ť	Ċ	0.571	0.038	0.002	7.06e-89
rs11723621	4	72615362	Ġ	Ä	0.291	-0.013	0.002	1.48e-10
rs113172748	4	79639615	Ğ	A	0.671	0.016	0.002	4.59e-15
rs17005891	4	83547862	Ä	G	0.184	-0.051	0.002	1.15e-98
rs4566648	4	84159219	G	Ť	0.342	-0.025	0.002	8.14e-38
rs2548257	5	100162317	Ä	Ċ	0.653	0.013	0.002	5.35e-11
rs10478058	5	110962584	G	Ä	0.197	0.015	0.002	3.01e-10
rs6869021	5	111039017	Ť	C	0.313	-0.017	0.002	5.47e-17
rs11242109	5	131677047	Ť	Ğ	0.478	-0.022	0.002	4.75e-33
rs12332674	5	132322852	Ġ	T	0.152	-0.017	0.003	3.33e-10
rs329125	5	133871101	Ä	Ċ	0.207	-0.017	0.002	1.38e-12
rs6579771	5	149482262	T	Č	0.269	0.034	0.002	6.13e-57
rs17656204	5	149501803	Ť	Č	0.322	-0.054	0.002	6.78e-156
rs360017	5	173207353	Ġ	Ä	0.775	-0.024	0.002	1.62e-27
rs964752	5	17399899	Ğ	Ċ	0.540	-0.012	0.002	9.61e-11
rs6883116	5	179230321	Č	T	0.417	-0.018	0.002	8.21e-21
rs116619972	5	32214314	A	Ġ	0.026	-0.040	0.006	6.73e-12
rs445611	5	35396119	G	A	0.845	0.016	0.003	8.58e-10
rs4865956	5	54882505	A	T	0.696	-0.019	0.003	1.97e-20
rs28722705	5	55453942	Ť	Ä	0.030	0.034	0.002	1.376-20 1e-38
rs74735005	5	57202727	Ċ	Ť	0.149	-0.017	0.003	3.14e-13
rs2338021	5	71749094	C	Ť	0.880	-0.032	0.002	3.64e-28
rs31243	5	75594360	G	A	0.000	-0.032	0.003	
		88111209				-0.023		1.35e-12
rs244760	5		G ^	С	0.764		0.002	1.14e-10
rs707794	6	10519890	A	C	0.532	-0.030	0.002	7.79e-59
rs9480737	6	107442277	G	A	0.321	-0.022	0.002	2.74e-27
rs1970364	6	113969527	T	C	0.265	0.019	0.002	1.32e-19
rs9375150	6	122887555	G	T	0.447	-0.018	0.002	1.84e-22
rs761841	6	131114386	С	Т	0.577	0.012	0.002	1.31e-10

rs12055642	6	135079040	С	Т	0.199	0.018	0.002	1.04e-14
rs7776054	6	135418916	G	Ä	0.199	-0.038	0.002	6.09e-71
rs55666429	6	137113137	A	Ğ	0.588	-0.036	0.002	1.96e-16
rs2797681	6	137593036	Ĉ	G	0.256	-0.015	0.002	1.14e-10
rs149110519	6	144385777	T	C	0.236	0.075	0.002	1.51e-48
rs9390460	6		Ċ	T				3.01e-40
		147694334			0.538	0.012	0.002	
rs11155787	6	151686905	T	С	0.638	0.014	0.002	3.92e-12
rs2817441	6	156938699	T	C	0.279	-0.022	0.002	4.67e-25
rs73784287	6	160980401	G	Α	0.149	0.015	0.003	4.93e-09
rs707845	6	16711855	G	Α	0.511	-0.017	0.002	6.09e-19
rs3012415	6	170489464	T	С	0.823	0.020	0.003	1.37e-15
rs2273215	6	170586082	Α	G	0.458	-0.018	0.002	2.72e-20
rs6940465	6	21207748	Α	G	0.151	0.016	0.003	1.61e-09
rs78912080	6	25616453	G	Α	0.075	0.026	0.004	5.55e-13
rs12530071	6	2886067	С	Т	0.225	-0.015	0.002	5.78e-11
rs2853999	6	31326074	Т	Α	0.138	-0.076	0.003	2.93e-171
rs17207748	6	31863168	С	Τ	0.047	-0.035	0.004	2.3e-15
rs56007794	6	41990827	Т	Α	0.244	0.039	0.002	4.77e-72
rs11963621	6	44591006	С	Т	0.101	-0.048	0.003	6.15e-54
rs115202835	6	45533239	Α	G	0.068	0.027	0.004	4.52e-13
rs10948314	6	46911131	G	Α	0.103	-0.034	0.003	1.04e-27
rs644492	6	53444319	G	Α	0.196	-0.020	0.002	1.84e-17
rs3761986	6	6680510	С	Т	0.394	-0.012	0.002	4.88e-10
rs9379077	6	7167170	G	Α	0.201	0.029	0.002	1.46e-34
rs915125	6	82463376	Τ	С	0.282	0.034	0.002	4.34e-59
rs62470670	7	114651694	G	Α	0.092	-0.023	0.003	5.3e-13
rs7803075	7	130742066	G	Α	0.735	-0.014	0.002	2.28e-11
rs7785014	7	137881690	С	Т	0.671	-0.025	0.002	2.04e-36
rs7787179	7	143081833	G	Α	0.207	0.021	0.002	3.31e-19
rs62491927	7	149172894	Ā	С	0.257	-0.013	0.002	1.42e-09
rs17700436	7	17167825	Т	Č	0.057	-0.028	0.004	1.53e-12
rs34947605	7	2581594	À	Ğ	0.172	0.015	0.002	3.39e-09
rs62454420	7	27191804	G	Ä	0.070	-0.035	0.004	2.39e-21
rs798563	7	2757867	Č	A	0.297	0.018	0.002	3.23e-17
rs17156536	7	28279488	Ä	Ċ	0.159	0.025	0.003	8.66e-22
rs10238435	7	28724491	T	Č	0.240	-0.024	0.002	4.23e-25
rs112248289	7	44770213	Ċ	Ä	0.129	0.022	0.003	4.83e-15
rs2136769	7	47469152	C	A	0.449	0.011	0.002	2.34e-09
rs4385425	7	50307334	Ğ	A	0.324	-0.060	0.002	1.28e-198
rs149007767	7	50370254	T	C	0.162	-0.072	0.003	1.97e-163
rs11766800	7	50435617	Ť	A	0.322	0.012	0.003	2.26e-21
rs41430449	7	50798525	Ġ	Ĉ	0.066	-0.030	0.002	1.82e-15
rs6796	7	6502367	C	T	0.274	0.046	0.004	1.66e-102
rs7786376	7	73042614	G	Ä	0.274	0.040	0.002	4.73e-09
rs178405	7	73513045	T	Ğ	0.276	-0.012	0.002	1.6e-10
	7	92408370	† T	C	0.764			
rs445			T			-0.094	0.003	3.59e-196
rs6465661	7	97885213		C	0.492	-0.016	0.002	5.49e-18
rs7792525	7	99972122	G	A	0.186	0.019	0.002	4.21e-15
rs72673751	8	106578940	С	T	0.190	-0.017	0.002	4.35e-12
rs1954735	8	108239325	С	T	0.168	0.021	0.003	1.01e-16
rs13271228	8	116597409	G	T	0.567	-0.031	0.002	4.35e-59
rs12334935	8	126617990	Α	G	0.471	-0.015	0.002	2.75e-15
rs7843207	8	130570063	Α	С	0.506	-0.069	0.002	1e-200
rs10101101	8	130691767	A	G	0.139	-0.041	0.003	1.44e-50
rs4397371	8	130701417	T	C	0.734	-0.018	0.002	1.17e-17
rs837227	8	130964654	Т	С	0.745	-0.015	0.002	1.11e-11

rs10099546	8	144638734	G	Α	0.143	-0.020	0.003	4.33e-13
rs4871844	8	22879734	C	T	0.143	0.016	0.003	1.27e-14
rs62501136	8	23089429	A	Ġ	0.221	0.020	0.002	1.72e-19
rs62502392	8	27190945	A	Ğ	0.143	-0.018	0.003	2.08e-11
rs4737009	8	41630405	A	Ğ	0.143	0.015	0.003	3.44e-12
rs113155021	8	43719739	A	G	0.230	-0.048	0.002	2.21e-09
rs145718079	8	48641192	A	G	0.013	-0.048	0.008	4.68e-16
	8		G					
rs45577137		48651633		A	0.044	-0.065	0.005	9.05e-39
rs113015223	8	57037166	T	С	0.211	0.019	0.002	1.06e-15
rs3808609	8	59465377	С	G	0.318	0.017	0.002	3.86e-17
rs7824937	8	61392724	G	Α	0.369	0.018	0.002	1.03e-19
rs7826487	8	6880925	G	Α	0.116	-0.041	0.003	2.17e-43
rs12542907	8	68813188	G	С	0.399	-0.024	0.002	1.01e-36
rs13267464	8	6906925	T	С	0.399	-0.020	0.002	8.9e-27
rs16939607	8	79013333	Α	G	0.146	-0.025	0.003	2.43e-21
rs1863651	8	82066998	Т	Α	0.699	-0.017	0.002	4.32e-16
rs13292863	9	113316712	G	С	0.155	-0.016	0.003	5.77e-10
rs1008158	9	113828811	G	Α	0.343	-0.067	0.002	1e-200
rs10817147	9	113864075	Т	С	0.377	-0.059	0.002	1e-200
rs77155602	9	114153208	Т	С	0.180	0.029	0.002	3.25e-33
rs13293713	9	114353573	Α	G	0.081	0.052	0.004	1.83e-50
rs72759267	9	126971204	Т	С	0.159	0.021	0.003	5.36e-16
rs2491104	9	130313823	Α	Τ	0.242	-0.014	0.002	3.17e-10
rs79086185	9	130666538	С	Α	0.039	0.031	0.005	1.17e-09
rs11792030	9	130732588	Α	G	0.104	0.022	0.003	1e-12
rs676996	9	136146077	G	Т	0.320	-0.044	0.002	5.13e-106
rs3731211	9	21986847	A	Т	0.720	0.028	0.002	2.51e-42
rs12376511	9	22142756	С	Т	0.164	-0.049	0.003	3.44e-82
rs34881325	9	2622134	Ť	Ċ	0.379	0.010	0.002	8.15e-11
rs11557154	9	34107505	T	Č	0.128	0.032	0.003	2.64e-30
rs10814193	9	35018686	Ċ	Ă	0.716	0.015	0.002	1.07e-12
rs2236288	9	35749845	Č	G	0.229	0.013	0.002	1.78e-09
rs10758481	9	38195756	Č	Ť	0.502	-0.014	0.002	4.63e-14
rs10780209	9	91472127	Ä	Ġ	0.479	0.045	0.002	5.69e-131
rs9410425	9	91562311	A	Ğ	0.325	-0.030	0.002	3.23e-51
rs290243	9	93571337	A	Ğ	0.215	0.014	0.002	3e-10
rs34746889	16	67221444	G	C	0.983	0.058	0.007	2e-15
rs75726056	1	150859753	A	Ğ	0.988	-0.072	0.007	2.11e-17
rs115240699	6	33743079	A	G	0.993	-0.067	0.000	2.11e-17 2.97e-09
rs10909370	10	115847890	Ť	G	0.464	-0.007	0.011	
rs2343551	10	82267945	Ċ		0.795	0.021	0.002	1.29e-18
rs2651780	11	2345261		A G	0.793	0.021	0.002	5.51e-15
	11		A	C				
rs11227312		65586597	G		0.485	0.012	0.002	3.87e-10
rs113681054	12	21402979	С	T	0.161	-0.016	0.003	3.31e-10
rs2535403	12	718885	C	T	0.557	-0.016	0.002	7.7e-16
rs374039502	13	108960385	Α	T	0.022	-0.116	0.007	4.16e-61
rs113235072	14	35344040	С	G	0.071	0.036	0.004	2.06e-21
rs138841053	14	59985478	С	T	0.406	0.012	0.002	4.54e-10
rs2300598	14	75359229	С	T	0.313	0.017	0.002	1.29e-16
rs8037798	15	75240030	G	T	0.231	0.022	0.002	5.84e-22
rs2562750	15	80250606	Α	T	0.759	0.070	0.002	1e-200
rs10871483	16	29592725	Α	Ţ	0.521	-0.015	0.002	1.49e-11
rs8054439	16	4146007	C	G	0.117	0.024	0.003	1.78e-15
rs12924604	16	74601486	Α	G	0.198	-0.017	0.002	8.24e-13
rs181791	16	84558889	Т	С	0.164	0.026	0.003	2.94e-18
rs7223589	17	29728284	С	Т	0.616	0.014	0.002	1.93e-12

rs113232639	18	20715656	Α	G	0.489	-0.018	0.002	5.66e-19
rs12151289	19	33751852	С	G	0.031	-0.085	0.006	1.13e-46
rs62113155	19	36752859	Т	G	0.201	-0.019	0.002	1.33e-14
rs12972849	19	54338067	Α	G	0.652	0.051	0.002	7.41e-95
rs61242663	19	836059	Τ	С	0.260	0.026	0.002	5.69e-27
rs28549287	1	110230138	Α	G	0.761	-0.017	0.003	1.17e-11
rs7512283	1	161000113	G	Α	0.795	0.017	0.002	2.51e-12
rs61804163	1	161622861	С	Т	0.296	-0.020	0.002	3.69e-19
rs7542018	1	243972240	Α	G	0.887	0.022	0.003	1.48e-12
rs7529978	1	53204705	Α	G	0.470	-0.017	0.002	5.28e-19
rs2815358	1	67493778	С	Т	0.650	-0.018	0.002	9.15e-18
rs192009275	20	30250942	Т	С	0.257	-0.021	0.002	1.08e-20
rs6055629	20	8178309	Α	С	0.485	-0.012	0.002	7.12e-10
rs180765893	2	182372755	Α	Τ	0.017	0.048	0.008	1.48e-09
rs185880215	2	43549887	Τ	С	0.069	0.023	0.004	2.72e-09
rs4683611	3	141290903	С	Τ	0.203	-0.016	0.003	4.7e-09
rs549046531	4	145975794	Т	С	0.272	-0.019	0.002	4.49e-16
rs565245327	6	31614543	Τ	G	0.471	-0.045	0.003	8.78e-70
rs28474755	6	32623919	Τ	С	0.121	0.042	0.003	2.23e-45
rs6968441	7	107151877	С	G	0.467	0.012	0.002	2.8e-10
rs6950899	7	65286649	Α	G	0.370	0.015	0.002	3.74e-12
rs201446427	7	6851361	С	Α	0.197	0.019	0.003	1.86e-11
rs71518544	8	11782349	Τ	G	0.404	0.016	0.002	1.09e-14
rs2978891	8	6697258	Α	Τ	0.505	-0.020	0.002	1.51e-25
rs7020171	9	91776952	G	Τ	0.248	-0.014	0.002	9.16e-10
rs549758081	1	93691855	D	1	0.433	-0.016	0.002	2.22e-12

Table S11. 393 SNPs significantly associated with lymphocyte count used IVs in forward MR analyses derived from Vuckovic D et al. Chr: Chromosome; EA: Effect allele; NEA: Non-effect allele; EAF: Effect allele frequency.

alicic, NLA.						- ireque		
SNP	Chr	Pos	EΑ	NEA	EAF	Beta	SE	P-value
rs159963	1	8504421	Α	С	0.583	-0.019	0.002	3.8e-19
rs753612	1	19978895	G	Α	0.611	0.014	0.002	4.9e-11
rs7517330	1	23830340	Α	С	0.152	0.020	0.003	9.1e-11
rs12750971	1	24219590	Τ	С	0.758	-0.022	0.003	2.4e-16
rs9438860	1	25224957	С	G	0.410	-0.016	0.002	3.4e-14
rs11247712	1	28229681	Т	С	0.369	-0.020	0.002	8.8e-21
rs77425607	1	39544876	Α	G	0.333	-0.014	0.002	1.5e-09
rs4068540	1	40398941	G	Ā	0.267	0.017	0.002	1.8e-12
rs5011302	1	56907563	Č	T	0.544	-0.020	0.002	2.2e-21
rs3014983	1	65460691	Ť	Ċ	0.761	-0.019	0.003	6e-14
rs6700896	1	66089782	Ť	Č	0.378	-0.018	0.002	1e-16
rs2755253	1	67470843	Ť	Č	0.707	-0.032	0.002	6.5e-43
rs2635119	1	79352340	Ċ	T	0.688	0.002	0.002	6.5e-14
rs12741113	1	101147149	Č	T	0.447	-0.018	0.002	1e-16
rs6696259	1	1011221482	C	Ġ	0.447	0.035	0.002	3.5e-59
rs377345022	1	101653213	T	A	0.410	-0.019	0.002	1e-13
rs10875371	1	101053213	† T	C	0.203	-0.019	0.002	2.4e-24
rs2800883	1	112143035	С	T	0.378	-0.014	0.002	1.2e-10
rs2476601	1	114377568	G	A	0.899	0.058	0.003	4.4e-62
rs4970926	1	150673684	С	T	0.513	-0.027	0.002	3.1e-38
rs2157691	1	158582838	С	G	0.266	0.032	0.002	3.3e-42
rs12405457	1	160759052	G	A	0.215	0.026	0.003	7.1e-25
rs11746	1	161683136	Α	G	0.487	0.019	0.002	7.4e-20
rs10918048	1	164558512	T	Α	0.122	-0.020	0.003	7.9e-10
rs1689796	1	182151236	G	Т	0.334	0.018	0.002	2.5e-15
rs188626852	1	198498784	Α	С	0.013	0.074	0.010	7.4e-14
rs10494783	1	198663661	Α	G	0.051	-0.054	0.005	3.9e-29
rs17612648	1	198665917	G	С	0.015	0.061	0.009	5.1e-11
rs3861929	1	201025850	Τ	С	0.605	-0.016	0.002	3.7e-14
rs4531346	1	204269185	Α	G	0.268	-0.020	0.002	3.5e-16
rs7548606	1	212388607	G	Α	0.626	0.014	0.002	2.1e-10
rs12745411	1	214405704	Τ	G	0.599	0.018	0.002	3.2e-16
rs12021809	1	225941782	Α	G	0.109	-0.027	0.003	1.3e-15
rs4659611	1	236033115	Τ	Α	0.744	-0.018	0.002	3.5e-13
rs74227709	1	247722588	Α	G	0.072	-0.030	0.004	2.8e-13
rs6721663	2	7615061	Α	G	0.159	-0.026	0.003	1.2e-19
rs7572278	2	8563029	Α	Т	0.203	0.023	0.003	1.2e-18
rs56243142	2	11333606	С	Т	0.547	0.015	0.002	3.9e-13
rs730126	2	12891476	С	Α	0.414	0.015	0.002	1.2e-12
rs72781679	2	24237712	Ā	G	0.135	0.061	0.003	3.1e-87
rs4407213	2	25541636	С	Ğ	0.032	0.045	0.006	2.2e-13
rs1260326	2	27730940	Č	Ť	0.605	-0.024	0.002	5.8e-28
rs113542380	2	43464818	Ä	Ġ	0.075	-0.070	0.004	2.6e-66
rs805316	2	54133744	C	T	0.276	-0.015	0.002	1.4e-10
rs2920880	2	55297818	T	Ċ	0.594	0.016	0.002	3.5e-13
rs12991188	2	62554797	Ġ	A	0.599	0.014	0.002	2.3e-10
rs4852777	2	71534161	C	Ğ	0.595	0.014	0.002	1.4e-09
rs6755786	2	103048103	T	C	0.595	0.013	0.002	1.4e-09 1.1e-27
	2		C			0.026		
rs13019266		111604642		T	0.679		0.002	1e-41
rs1976055	2	111787853	A	C	0.157	-0.017	0.003	3.1e-09
rs199898421	2	112193161	G	Α	0.059	0.038	0.006	1.1e-09

rs55706446	2	112239082	T	С	0.075	-0.074	0.004	1.7e-66
rs2241978	2	113954006	G	Α	0.482	0.021	0.002	1.4e-23
rs11688303	2	128410244	Т	С	0.118	0.020	0.003	2e-09
rs71420836	2	129060871	Τ	С	0.096	0.033	0.004	2.8e-20
rs73961715	2	143803847	С	Т	0.129	-0.051	0.003	3.9e-59
rs34030812	2	144248905	С	Т	0.367	-0.019	0.002	3.2e-18
rs10173412	2	161330940	С	Т	0.201	-0.042	0.003	2.4e-56
rs2075302	2	163076146	С	Т	0.453	-0.015	0.002	2.1e-12
rs74401397	2	181944580	G	С	0.042	-0.038	0.005	3.9e-13
rs62180252	2	182175221	С	Т	0.250	0.052	0.002	6.6e-101
rs10179705	2	188315234	Α	G	0.292	-0.022	0.002	4.2e-21
rs3769818	2	202151163	G	Α	0.732	0.033	0.002	1.1e-43
rs11888947	2	204642460	Α	Т	0.730	-0.015	0.002	1.2e-10
rs715	2	211543055	С	Т	0.311	-0.015	0.002	3.3e-11
rs13018173	2	216248606	С	Т	0.232	-0.015	0.002	2.9e-09
rs78058190	2	219699999	Α	G	0.050	0.048	0.005	1e-18
rs978917	2	223974443	Α	Ğ	0.616	0.017	0.002	2.1e-15
rs11676298	2	227291731	Ğ	Č	0.192	0.026	0.003	6.5e-22
rs4973318	2	231222675	Č	Ť	0.106	0.022	0.003	9e-11
rs58106596	2	232579379	Ä	Ġ	0.222	-0.024	0.003	2e-21
rs13016839	2	234357513	Ğ	Ä	0.106	-0.026	0.003	6.8e-14
rs9826367	3	12294202	Ğ	A	0.449	-0.035	0.002	3.3e-61
rs4261897	3	18764304	Č	T	0.296	0.021	0.002	8.9e-19
rs13096529	3	24232035	T	Ċ	0.191	0.021	0.002	1.5e-13
rs2887944	3	27758275	Ť	Ğ	0.435	0.024	0.002	2e-28
rs75033378	3	28295653	Ť	C	0.433	0.024	0.002	4.2e-39
rs4676482	3	39237190	Τ̈́	A	0.173	0.037	0.003	3.8e-09
rs11706384	3	39296881	, T	Ğ	0.130	0.016	0.003	4.4e-25
rs13063578	3	47087837	A	T	0.401	0.020	0.002	4.4e-25 2.6e-125
rs7637449	3	56628031	A	G	0.401	0.034	0.002	3.4e-13
rs12485738	3	56865776	G		0.529	0.013	0.002	5.4e-15 5.5e-15
rs35592432	3		С	A				
		71355240		G	0.027	0.107	0.007	1.6e-55
rs6809697	3	71414864	A	G	0.135	-0.020	0.003	2.5e-10
rs6782672	3	108506049	G	A	0.659	0.016	0.002	8.4e-13
rs59107033	3	123105643	T	C	0.225	-0.025	0.003	8.6e-24
rs332507	3	124435110	С	T	0.220	-0.018	0.003	2e-12
rs11712335	3	128210550	С	T	0.270	0.016	0.002	2.3e-11
rs9834250	3	136561899	G	C	0.687	0.020	0.002	1.5e-18
rs7625643	3	141150026	G	Α	0.446	0.025	0.002	1.9e-31
rs9863821	3	151007175	T	C	0.775	0.026	0.003	9.7e-24
rs2647929	3	159693570	C	Ţ	0.567	0.015	0.002	1e-11
rs2291900	3	170825920	Α	G	0.293	0.017	0.002	1.3e-12
rs7627511	3	171178037	С	G	0.217	-0.018	0.003	2.1e-11
rs10937106	3	182738287	Α	G	0.713	-0.015	0.002	5.3e-10
rs77265382	3	185546150	Τ	С	0.045	-0.036	0.005	2.8e-12
rs2089979	3	196501413	G	Α	0.416	-0.036	0.002	3.2e-61
rs1344603	4	38109847	С	Τ	0.675	0.031	0.002	2.6e-42
rs1386623	4	38372043	Τ	G	0.681	0.068	0.002	8.5e-198
rs13105987	4	38602467	Α	G	0.277	0.050	0.002	3.6e-98
rs73142294	4	40301624	Τ	С	0.249	0.016	0.002	1.7e-10
rs7437961	4	55066758	С	Т	0.236	0.015	0.002	1.7e-09
rs7665147	4	57767327	Α	Т	0.186	-0.023	0.003	1.1e-17
rs2298850	4	72614267	С	G	0.279	-0.016	0.002	1.4e-11
rs7662083	4	80933308	Α	G	0.529	-0.031	0.002	1.2e-48
rs17005891	4	83547862	Α	G	0.184	-0.047	0.003	7.5e-66
rs17703261	4	88058337	Т	Α	0.187	0.020	0.003	2.4e-13

TSP09349	rs1431545	4	90220659	Т	С	0.654	0.021	0.002	1.6e-20
rs6233762 4 106143492 T C 0.309 -0.027 0.002 2.4e-35 rs7284793 4 123024769 A C 0.404 -0.019 0.002 1.7e-10 rs309375 4 123068156 A C 0.572 0.018 0.002 1.5e-16 rs419470 5 16625591 G A 0.716 0.014 0.002 1.8e-10 rs419470 5 16625591 G A 0.716 0.014 0.002 2.8e-11 rs845962 5 36859011 G C 0.260 0.056 0.002 2.8e-11 rs254899 5 52072544 G A 0.208 0.020 0.003 3.7e-14 rs151912 5 57607142 T A 0.596 -0.013 0.002 7.9e-12 rs15192 5 57607142 T A 0.569 -0.017 0.002 2.5e-16 rs244920		-							
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F8419470		-							
F86850882 5 34688797 G A 0.331 -0.014 0.002 2.1e-09 rs11567699 5 35859011 G C 0.260 0.056 0.002 2.8e-117 rs2548499 5 52072544 G A 0.208 0.020 0.003 3.7e-14 rs2408014 5 54864017 T A 0.681 -0.016 0.002 7.9e-12 rs151912 5 57607142 T A 0.596 -0.013 0.002 1.1e-09 rs251398 5 67509801 C T 0.451 -0.017 0.002 2.5e-16 rs678393 5 72418309 G T 0.261 -0.017 0.002 5.1e-12 rs25244920 5 100141374 T A 0.617 0.014 0.002 6.6e-11 rs78270096 5 110517419 A G 0.707 0.032 0.003 7.4e-34 rs251390 5 127538346 A G 0.202 -0.032 0.003 7.4e-34 rs251390 5 127538346 A G 0.749 0.021 0.002 4.7e-18 rs58835366 5 134722833 A C 0.023 0.087 0.007 1.5e-35 rs60580948 5 148340270 G A 0.567 -0.023 0.002 4.1e-26 rs75925066 5 157969475 C T 0.254 -0.032 0.002 5.4e-14 rs17055818 5 157969475 C T 0.254 -0.032 0.002 5.4e-14 rs17055818 5 157969475 C T 0.254 -0.032 0.002 5.5e-39 rs34066008 5 158360881 C A 0.509 -0.060 0.002 5.5e-39 rs82071 6 411064 G A 0.572 0.002 0.003 3.2e-19 rs872071 6 411064 G A 0.528 0.025 0.002 2.2e-32 rs9392840 6 6901582 T C 0.272 0.026 0.002 2.9e-26 rs16870458 6 10545728 A G 0.221 -0.016 0.003 4.1e-10 rs52484 6 23564366 G A 0.532 -0.014 0.002 5.3e-11 rs9242489 6 31022158 C G 0.331 0.071 0.002 2.2e-32 rs9392840 6 6901582 T C 0.272 0.026 0.002 2.9e-26 rs16870458 6 13654586 C T 0.242 -0.070 0.003 3.2e-19 rs224861 6 31655480 C T 0.242 -0.070 0.003 3.2e-19 rs9265552 6 31298296 G C 0.249 -0.070 0.003 3.2e-19 rs9265552 6 31654360 C T 0.242 -0.057 0.003 3.2e-19 rs9265552 6 31655480 C T 0.242 -0.075 0.002 7.4e-18 rs2298038 6 9097									
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International Color International Color									
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Fig.									
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TS60580948 5									
FS3815725 5									
rs17055818 5 157969475 C T 0.254 -0.032 0.002 5.5e-39 rs34066608 5 158360881 C A 0.098 -0.035 0.004 2e-22 rs6862776 5 172664163 A G 0.283 0.014 0.002 3.5e-09 rs300017 5 173207353 G A 0.775 -0.022 0.003 4.7e-18 rs10063803 5 176667327 A C 0.832 0.025 0.003 3.3e-19 rs872071 6 411064 G A 0.528 0.025 0.002 2.2e-32 rs9392840 6 6901582 T C 0.272 0.026 0.002 2.9e-26 rs16870458 6 10545728 A G 0.221 -0.016 0.003 3e-11 rs52484 6 23564366 G A 0.532 -0.014 0.002 5.3e-11 rs6927418 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
rs34066608 5 158360881 C A 0.098 -0.035 0.004 2e-22 rs6882776 5 172664163 A G 0.283 0.014 0.002 3.5e-09 rs360017 5 173207353 G A 0.775 -0.022 0.003 4.7e-18 rs10063803 5 176667327 A C 0.832 0.025 0.002 2.2e-32 rs872071 6 411064 G A 0.528 0.025 0.002 2.9e-26 rs16870458 6 6901582 T C 0.272 0.026 0.002 2.9e-26 rs16870458 6 10545728 A G 0.221 -0.016 0.003 3e-11 rs17119 6 14719496 A G 0.804 -0.018 0.003 3e-11 rs6927418 6 24827912 T C 0.556 -0.025 0.002 6.4e-32 rs9275552									
rs6882776 5 172664163 A G 0.283 0.014 0.002 3.5e-09 rs360017 5 173207353 G A 0.775 -0.022 0.003 4.7e-18 rs10063803 5 176667327 A C 0.832 0.025 0.003 3.3e-19 rs872071 6 411064 G A 0.528 0.025 0.002 2.2e-32 rs9392840 6 6901582 T C 0.272 0.026 0.002 2.9e-26 rs16870458 6 10545728 A G 0.804 -0.016 0.003 4.1e-10 rs17119 6 14719496 A G 0.804 -0.018 0.003 3e-11 rs52484 6 24827912 T C 0.556 -0.025 0.002 6.4e-32 rs2523855 6 31022158 C G 0.331 0.071 0.002 1e-200 rs9272557									
rs360017 5 173207353 G A 0.775 -0.022 0.003 4.7e-18 rs10063803 5 176667327 A C 0.832 0.025 0.003 3.3e-19 rs872071 6 411064 G A 0.528 0.025 0.002 2.2e-32 rs9392840 6 6901582 T C 0.272 0.026 0.002 2.9e-26 rs16870458 6 10545728 A G 0.221 -0.016 0.003 4.1e-10 rs17119 6 14719496 A G 0.804 -0.018 0.003 3e-11 rs52484 6 23564366 G A 0.532 -0.014 0.002 5.3e-11 rs6927418 6 24827912 T C 0.556 -0.025 0.002 6.4e-32 rs2523855 6 31022158 C G 0.331 0.071 0.002 1e-200 rs9765552									
rs10063803 5 176667327 A C 0.832 0.025 0.003 3.3e-19 rs872071 6 411064 G A 0.528 0.025 0.002 2.2e-32 rs9392840 6 6901582 T C 0.272 0.026 0.002 2.9e-26 rs16870458 6 10545728 A G 0.221 -0.016 0.003 4.1e-10 rs17119 6 14719496 A G 0.804 -0.018 0.003 3e-11 rs52484 6 23564366 G A 0.532 -0.014 0.002 5.3e-11 rs6927418 6 24827912 T C 0.556 -0.025 0.002 6.4e-32 rs2523855 6 31022158 C G 0.331 0.071 0.002 1e-200 rs9265552 6 31298296 G C 0.249 -0.070 0.003 6.3e-142 rs377181093					G		0.014		
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rs9392840 6 6901582 T C 0.272 0.026 0.002 2.9e-26 rs16870458 6 10545728 A G 0.221 -0.016 0.003 4.1e-10 rs17119 6 14719496 A G 0.804 -0.018 0.003 3e-11 rs52484 6 23564366 G A 0.532 -0.014 0.002 5.3e-11 rs6927418 6 24827912 T C 0.556 -0.025 0.002 6.4e-32 rs2523855 6 31022158 C G 0.331 0.071 0.002 1e-200 rs9265552 6 31298296 G C 0.249 -0.070 0.003 6.3e-142 rs377181093 6 31422893 G A 0.092 0.051 0.004 5.4e-39 rs20801362 6 31555480 C T 0.161 -0.081 0.004 2.5e-94 rs9272557 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
rs16870458 6 10545728 A G 0.221 -0.016 0.003 4.1e-10 rs17119 6 14719496 A G 0.804 -0.018 0.003 3e-11 rs52484 6 23564366 G A 0.532 -0.014 0.002 5.3e-11 rs6927418 6 24827912 T C 0.556 -0.025 0.002 6.4e-32 rs2523855 6 31022158 C G 0.331 0.071 0.002 1e-200 rs9265552 6 31298296 G C 0.249 -0.070 0.003 6.3e-142 rs377181093 6 31422893 G A 0.092 0.051 0.004 5.4e-39 rs200801362 6 32607048 C T 0.161 -0.081 0.004 2.5e-94 rs9272557 6 32607048 C T 0.242 -0.057 0.003 1.9e-111 rs9381130									
rs17119 6 14719496 A G 0.804 -0.018 0.003 3e-11 rs52484 6 23564366 G A 0.532 -0.014 0.002 5.3e-11 rs6927418 6 24827912 T C 0.556 -0.025 0.002 6.4e-32 rs2523855 6 31022158 C G 0.331 0.071 0.002 1e-200 rs9265552 6 31298296 G C 0.249 -0.070 0.003 6.3e-142 rs377181093 6 31422893 G A 0.092 0.051 0.004 5.4e-39 rs200801362 6 31555480 C T 0.161 -0.081 0.004 2.5e-94 rs9272557 6 32607048 C T 0.161 -0.081 0.004 2.5e-94 rs9381130 6 42040606 A G 0.107 0.027 0.003 1.1e-15 rs471790 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
rs52484 6 23564366 G A 0.532 -0.014 0.002 5.3e-11 rs6927418 6 24827912 T C 0.556 -0.025 0.002 6.4e-32 rs2523855 6 31022158 C G 0.331 0.071 0.002 1e-200 rs9265552 6 31298296 G C 0.249 -0.070 0.003 6.3e-142 rs377181093 6 31422893 G A 0.092 0.051 0.004 5.4e-39 rs200801362 6 31555480 C T 0.161 -0.081 0.004 2.5e-94 rs9272557 6 32607048 C T 0.242 -0.057 0.003 1.9e-111 rs9942489 6 35323709 A T 0.037 -0.076 0.006 5.2e-42 rs9381130 6 42040606 A G 0.107 0.027 0.003 6.1e-15 rs47117							-0.016		
rs6927418 6 24827912 T C 0.556 -0.025 0.002 6.4e-32 rs2523855 6 31022158 C G 0.331 0.071 0.002 1e-200 rs9265552 6 31298296 G C 0.249 -0.070 0.003 6.3e-142 rs377181093 6 31422893 G A 0.092 0.051 0.004 5.4e-39 rs200801362 6 31555480 C T 0.161 -0.081 0.004 2.5e-94 rs9272557 6 32607048 C T 0.242 -0.057 0.003 1.9e-111 rs9942489 6 35323709 A T 0.037 -0.076 0.006 5.2e-42 rs9381130 6 42040606 A G 0.107 0.027 0.003 6.1e-15 rs4711790 6 44573822 T C 0.294 0.018 0.002 1.7e-14 rs7292	rs17119	6	14719496	Α	G	0.804	-0.018	0.003	3e-11
rs2523855 6 31022158 C G 0.331 0.071 0.002 1e-200 rs9265552 6 31298296 G C 0.249 -0.070 0.003 6.3e-142 rs377181093 6 31422893 G A 0.092 0.051 0.004 5.4e-39 rs200801362 6 31555480 C T 0.161 -0.081 0.004 2.5e-94 rs9272557 6 32607048 C T 0.161 -0.081 0.004 2.5e-94 rs9272557 6 32607048 C T 0.242 -0.057 0.003 1.9e-111 rs9942489 6 35323709 A T 0.037 -0.076 0.006 5.2e-42 rs9381130 6 42040606 A G 0.107 0.027 0.003 6.1e-15 rs4711790 6 44573822 T C 0.341 -0.019 0.002 7.4e-18 rs229	rs52484	6	23564366		Α	0.532	-0.014	0.002	5.3e-11
rs9265552 6 31298296 G C 0.249 -0.070 0.003 6.3e-142 rs377181093 6 31422893 G A 0.092 0.051 0.004 5.4e-39 rs200801362 6 31555480 C T 0.161 -0.081 0.004 2.5e-94 rs9272557 6 32607048 C T 0.161 -0.081 0.004 2.5e-94 rs9272557 6 32607048 C T 0.242 -0.057 0.003 1.9e-111 rs9942489 6 35323709 A T 0.037 -0.076 0.006 5.2e-42 rs9381130 6 42040606 A G 0.107 0.027 0.003 6.1e-15 rs4711790 6 44573822 T C 0.341 -0.019 0.002 7.4e-18 rs2294861 6 53136516 T C 0.294 0.018 0.002 1.7e-14 rs72	rs6927418	6	24827912		С	0.556	-0.025	0.002	6.4e-32
rs377181093 6 31422893 G A 0.092 0.051 0.004 5.4e-39 rs200801362 6 31555480 C T 0.161 -0.081 0.004 2.5e-94 rs9272557 6 32607048 C T 0.242 -0.057 0.003 1.9e-111 rs9942489 6 35323709 A T 0.037 -0.076 0.006 5.2e-42 rs9381130 6 42040606 A G 0.107 0.027 0.003 6.1e-15 rs4711790 6 44573822 T C 0.341 -0.019 0.002 7.4e-18 rs2294861 6 53136516 T C 0.294 0.018 0.002 1.7e-14 rs72928038 6 90976768 A G 0.179 -0.036 0.003 4e-38 rs12526696 6 108053364 A G 0.161 0.039 0.003 1.4e-41 rs6929208 6 109720405 C G 0.298 -0.015 0.002 1.1e-10 rs6926219 6 122720806 A G 0.547 0.025 0.002 1.7e-32 rs9375486 6 127388186 T C 0.377 -0.013 0.002 1.6e-09 rs2327531 6 135048564 G A 0.208 0.017 0.003 2.7e-11 rs35786788 6 135419042 A G 0.253 -0.041 0.002 8.6e-62 rs7763994 6 151912354 T A 0.290 0.014 0.002 1.5e-09 rs17710008 6 153043035 A G 0.184 0.020 0.003 1.7e-13 rs41267765 6 159462424 T C 0.021 -0.048 0.007 3.3e-11 rs2273215 6 170586082 A G 0.459 -0.016 0.002 6e-14	rs2523855	6	31022158	С		0.331	0.071	0.002	1e-200
rs200801362 6 31555480 C T 0.161 -0.081 0.004 2.5e-94 rs9272557 6 32607048 C T 0.242 -0.057 0.003 1.9e-111 rs9942489 6 35323709 A T 0.037 -0.076 0.006 5.2e-42 rs9381130 6 42040606 A G 0.107 0.027 0.003 6.1e-15 rs4711790 6 44573822 T C 0.341 -0.019 0.002 7.4e-18 rs2294861 6 53136516 T C 0.294 0.018 0.002 1.7e-14 rs72928038 6 90976768 A G 0.179 -0.036 0.003 4e-38 rs12526696 6 108053364 A G 0.161 0.039 0.003 1.4e-41 rs6929208 6 109720405 C G 0.298 -0.015 0.002 1.7e-32 rs937	rs9265552	6		G	С	0.249	-0.070	0.003	6.3e-142
rs9272557 6 32607048 C T 0.242 -0.057 0.003 1.9e-111 rs9942489 6 35323709 A T 0.037 -0.076 0.006 5.2e-42 rs9381130 6 42040606 A G 0.107 0.027 0.003 6.1e-15 rs4711790 6 44573822 T C 0.341 -0.019 0.002 7.4e-18 rs2294861 6 53136516 T C 0.294 0.018 0.002 1.7e-14 rs72928038 6 90976768 A G 0.179 -0.036 0.003 4e-38 rs12526696 6 108053364 A G 0.161 0.039 0.003 1.4e-41 rs6929208 6 109720405 C G 0.298 -0.015 0.002 1.7e-32 rs9375486 6 127388186 T C 0.377 -0.013 0.002 1.6e-09 rs2327	rs377181093	6	31422893	G	Α	0.092	0.051	0.004	5.4e-39
rs9942489 6 35323709 A T 0.037 -0.076 0.006 5.2e-42 rs9381130 6 42040606 A G 0.107 0.027 0.003 6.1e-15 rs4711790 6 44573822 T C 0.341 -0.019 0.002 7.4e-18 rs2294861 6 53136516 T C 0.294 0.018 0.002 1.7e-14 rs72928038 6 90976768 A G 0.179 -0.036 0.003 4e-38 rs12526696 6 108053364 A G 0.161 0.039 0.003 1.4e-41 rs6929208 6 109720405 C G 0.298 -0.015 0.002 1.1e-10 rs6926219 6 122720806 A G 0.547 0.025 0.002 1.7e-32 rs9375486 6 127388186 T C 0.377 -0.013 0.002 1.6e-09 rs23776	rs200801362	6	31555480	С	Т	0.161	-0.081	0.004	2.5e-94
rs9381130 6 42040606 A G 0.107 0.027 0.003 6.1e-15 rs4711790 6 44573822 T C 0.341 -0.019 0.002 7.4e-18 rs2294861 6 53136516 T C 0.294 0.018 0.002 1.7e-14 rs72928038 6 90976768 A G 0.179 -0.036 0.003 4e-38 rs12526696 6 108053364 A G 0.161 0.039 0.003 1.4e-41 rs6929208 6 109720405 C G 0.298 -0.015 0.002 1.1e-10 rs6926219 6 122720806 A G 0.547 0.025 0.002 1.7e-32 rs9375486 6 127388186 T C 0.377 -0.013 0.002 1.6e-09 rs2327531 6 135048564 G A 0.208 0.017 0.003 2.7e-11 rs35786788 6 135419042 A G 0.253 -0.041 0.002 8.6e-62 rs7763994 6 151912354 T A 0.290 0.014 0.002 1.5e-09 rs17710008 6 153043035 A G 0.184 0.020 0.003 1.7e-13 rs41267765 6 159462424 T C 0.021 -0.048 0.007 3.3e-11 rs2273215 6 170586082 A G 0.459 -0.016 0.002 6e-14	rs9272557	6	32607048	С	Т	0.242	-0.057	0.003	1.9e-111
rs4711790 6 44573822 T C 0.341 -0.019 0.002 7.4e-18 rs2294861 6 53136516 T C 0.294 0.018 0.002 1.7e-14 rs72928038 6 90976768 A G 0.179 -0.036 0.003 4e-38 rs12526696 6 108053364 A G 0.161 0.039 0.003 1.4e-41 rs6929208 6 109720405 C G 0.298 -0.015 0.002 1.1e-10 rs6926219 6 122720806 A G 0.547 0.025 0.002 1.7e-32 rs9375486 6 127388186 T C 0.377 -0.013 0.002 1.6e-09 rs2327531 6 135048564 G A 0.208 0.017 0.003 2.7e-11 rs35786788 6 135419042 A G 0.253 -0.041 0.002 8.6e-62 rs7763994 6 151912354 T A 0.290 0.014 0.002 1.5e-09 rs17710008 6 153043035 A G 0.184 0.020 0.003 1.7e-13 rs41267765 6 159462424 T C 0.021 -0.048 0.007 3.3e-11 rs2273215 6 170586082 A G 0.459 -0.016 0.002 6e-14	rs9942489	6	35323709	Α	Т	0.037	-0.076	0.006	5.2e-42
rs2294861 6 53136516 T C 0.294 0.018 0.002 1.7e-14 rs72928038 6 90976768 A G 0.179 -0.036 0.003 4e-38 rs12526696 6 108053364 A G 0.161 0.039 0.003 1.4e-41 rs6929208 6 109720405 C G 0.298 -0.015 0.002 1.1e-10 rs6926219 6 122720806 A G 0.547 0.025 0.002 1.7e-32 rs9375486 6 127388186 T C 0.377 -0.013 0.002 1.6e-09 rs2327531 6 135048564 G A 0.208 0.017 0.003 2.7e-11 rs35786788 6 135419042 A G 0.253 -0.041 0.002 8.6e-62 rs7763994 6 151912354 T A 0.290 0.014 0.002 1.5e-09 rs41	rs9381130	6	42040606	Α	G	0.107	0.027	0.003	6.1e-15
rs72928038 6 90976768 A G 0.179 -0.036 0.003 4e-38 rs12526696 6 108053364 A G 0.161 0.039 0.003 1.4e-41 rs6929208 6 109720405 C G 0.298 -0.015 0.002 1.1e-10 rs6926219 6 122720806 A G 0.547 0.025 0.002 1.7e-32 rs9375486 6 127388186 T C 0.377 -0.013 0.002 1.6e-09 rs2327531 6 135048564 G A 0.208 0.017 0.003 2.7e-11 rs35786788 6 135419042 A G 0.253 -0.041 0.002 8.6e-62 rs7763994 6 151912354 T A 0.290 0.014 0.002 1.5e-09 rs17710008 6 153043035 A G 0.184 0.020 0.003 1.7e-13 rs41267765 6 159462424 T C 0.021 -0.048 0.007 3.3e-11 rs2273215 6 170586082 A G 0.459 -0.016 0.002 6e-14	rs4711790	6	44573822	Τ	С	0.341	-0.019	0.002	7.4e-18
rs12526696 6 108053364 A G 0.161 0.039 0.003 1.4e-41 rs6929208 6 109720405 C G 0.298 -0.015 0.002 1.1e-10 rs6926219 6 122720806 A G 0.547 0.025 0.002 1.7e-32 rs9375486 6 127388186 T C 0.377 -0.013 0.002 1.6e-09 rs2327531 6 135048564 G A 0.208 0.017 0.003 2.7e-11 rs35786788 6 135419042 A G 0.253 -0.041 0.002 8.6e-62 rs7763994 6 151912354 T A 0.290 0.014 0.002 1.5e-09 rs17710008 6 153043035 A G 0.184 0.020 0.003 1.7e-13 rs41267765 6 159462424 T C 0.021 -0.048 0.007 3.3e-11 rs2273215 6 170586082 A G 0.459 -0.016 0.002 6e-14	rs2294861	6	53136516	Τ	С	0.294	0.018	0.002	1.7e-14
rs12526696 6 108053364 A G 0.161 0.039 0.003 1.4e-41 rs6929208 6 109720405 C G 0.298 -0.015 0.002 1.1e-10 rs6926219 6 122720806 A G 0.547 0.025 0.002 1.7e-32 rs9375486 6 127388186 T C 0.377 -0.013 0.002 1.6e-09 rs2327531 6 135048564 G A 0.208 0.017 0.003 2.7e-11 rs35786788 6 135419042 A G 0.253 -0.041 0.002 8.6e-62 rs7763994 6 151912354 T A 0.290 0.014 0.002 1.5e-09 rs17710008 6 153043035 A G 0.184 0.020 0.003 1.7e-13 rs41267765 6 159462424 T C 0.021 -0.048 0.007 3.3e-11 rs2273215 6 170586082 A G 0.459 -0.016 0.002 6e-14	rs72928038	6	90976768	Α	G	0.179	-0.036	0.003	4e-38
rs6926219 6 122720806 A G 0.547 0.025 0.002 1.7e-32 rs9375486 6 127388186 T C 0.377 -0.013 0.002 1.6e-09 rs2327531 6 135048564 G A 0.208 0.017 0.003 2.7e-11 rs35786788 6 135419042 A G 0.253 -0.041 0.002 8.6e-62 rs7763994 6 151912354 T A 0.290 0.014 0.002 1.5e-09 rs17710008 6 153043035 A G 0.184 0.020 0.003 1.7e-13 rs41267765 6 159462424 T C 0.021 -0.048 0.007 3.3e-11 rs2273215 6 170586082 A G 0.459 -0.016 0.002 6e-14	rs12526696	6	108053364	Α	G	0.161	0.039	0.003	
rs6926219 6 122720806 A G 0.547 0.025 0.002 1.7e-32 rs9375486 6 127388186 T C 0.377 -0.013 0.002 1.6e-09 rs2327531 6 135048564 G A 0.208 0.017 0.003 2.7e-11 rs35786788 6 135419042 A G 0.253 -0.041 0.002 8.6e-62 rs7763994 6 151912354 T A 0.290 0.014 0.002 1.5e-09 rs17710008 6 153043035 A G 0.184 0.020 0.003 1.7e-13 rs41267765 6 159462424 T C 0.021 -0.048 0.007 3.3e-11 rs2273215 6 170586082 A G 0.459 -0.016 0.002 6e-14	rs6929208	6	109720405	С				0.002	1.1e-10
rs9375486 6 127388186 T C 0.377 -0.013 0.002 1.6e-09 rs2327531 6 135048564 G A 0.208 0.017 0.003 2.7e-11 rs35786788 6 135419042 A G 0.253 -0.041 0.002 8.6e-62 rs7763994 6 151912354 T A 0.290 0.014 0.002 1.5e-09 rs17710008 6 153043035 A G 0.184 0.020 0.003 1.7e-13 rs41267765 6 159462424 T C 0.021 -0.048 0.007 3.3e-11 rs2273215 6 170586082 A G 0.459 -0.016 0.002 6e-14	rs6926219		122720806	Α		0.547	0.025	0.002	1.7e-32
rs2327531 6 135048564 G A 0.208 0.017 0.003 2.7e-11 rs35786788 6 135419042 A G 0.253 -0.041 0.002 8.6e-62 rs7763994 6 151912354 T A 0.290 0.014 0.002 1.5e-09 rs17710008 6 153043035 A G 0.184 0.020 0.003 1.7e-13 rs41267765 6 159462424 T C 0.021 -0.048 0.007 3.3e-11 rs2273215 6 170586082 A G 0.459 -0.016 0.002 6e-14	rs9375486			Т		0.377	-0.013	0.002	
rs35786788 6 135419042 A G 0.253 -0.041 0.002 8.6e-62 rs7763994 6 151912354 T A 0.290 0.014 0.002 1.5e-09 rs17710008 6 153043035 A G 0.184 0.020 0.003 1.7e-13 rs41267765 6 159462424 T C 0.021 -0.048 0.007 3.3e-11 rs2273215 6 170586082 A G 0.459 -0.016 0.002 6e-14									
rs7763994 6 151912354 T A 0.290 0.014 0.002 1.5e-09 rs17710008 6 153043035 A G 0.184 0.020 0.003 1.7e-13 rs41267765 6 159462424 T C 0.021 -0.048 0.007 3.3e-11 rs2273215 6 170586082 A G 0.459 -0.016 0.002 6e-14									
rs17710008 6 153043035 A G 0.184 0.020 0.003 1.7e-13 rs41267765 6 159462424 T C 0.021 -0.048 0.007 3.3e-11 rs2273215 6 170586082 A G 0.459 -0.016 0.002 6e-14									
rs41267765 6 159462424 T C 0.021 -0.048 0.007 3.3e-11 rs2273215 6 170586082 A G 0.459 -0.016 0.002 6e-14									
rs2273215 6 170586082 A G 0.459 -0.016 0.002 6e-14									

rs4719654	7	2760008	С	G	0.442	-0.015	0.002	1e-11
rs852432	7	5562740	G	Α	0.367	0.014	0.002	3.4e-10
rs6796	7	6502367	С	Т	0.278	0.028	0.002	2.3e-33
rs35345753	7	22740513	G	С	0.209	-0.027	0.003	5e-25
rs4719922	7	28158058	Т	С	0.201	-0.025	0.003	8.4e-21
rs2710804	7	36084529	Ċ	Ť	0.377	0.015	0.002	1.4e-11
rs73112675	7	37379030	Ğ	À	0.180	0.019	0.003	5.9e-12
rs3735485	7	45009341	G	A	0.845	0.045	0.003	2.8e-54
rs150640087	7	50444152	T	Ğ	0.043	0.043	0.003	1.1e-12
	7							
rs10237524		56036024	Α	G	0.330	-0.019	0.002	6.4e-18
rs4718976	7	70113409	С	T	0.695	-0.016	0.002	5.2e-12
rs2530482	7	74300890	C	Α	0.285	0.016	0.002	1e-10
rs7780424	7	77211703	T	Α	0.609	-0.014	0.002	4.9e-10
rs10230506	7	92471518	Α	Т	0.160	0.019	0.003	3.1e-11
rs11551890	7	97845713	Α	G	0.489	0.013	0.002	7.8e-10
rs7780328	7	99256844	G	Α	0.067	0.040	0.004	1.2e-21
rs9920	7	116200092	С	Τ	0.105	0.033	0.003	9.5e-22
rs62621812	7	127015083	Α	G	0.020	0.058	0.008	5e-14
rs2727487	7	129513820	С	Α	0.629	-0.014	0.002	4.8e-10
rs7793008	7	130747306	G	Α	0.205	0.022	0.003	2.6e-17
rs62485905	7	138741586	Т	С	0.551	-0.018	0.002	2e-17
rs55700285	7	150209636	T	Ğ	0.231	0.025	0.003	8.1e-23
rs9886191	7	156656661	Ť	Č	0.431	-0.014	0.002	7.5e-11
rs28588745	8	10647044	Ť	Ä	0.206	0.024	0.003	3.4e-20
rs6586777	8	18702471	À	C	0.436	-0.013	0.002	6.8e-10
rs533703709	8	21736272	T	A	0.430	-0.043	0.005	4.8e-16
rs2313571	8	22789184	, T	Ĉ	0.348	0.043	0.003	4.0e-10 4.2e-17
	8		A	C				
rs1567124		25244326			0.310	0.015	0.002	5.5e-11
rs6474359	8	41549194	C	T	0.038	-0.048	0.006	3.9e-18
rs4737010	8	41630447	Α	G	0.229	0.028	0.003	2.2e-28
rs1976451	8	49456791	G	T	0.133	-0.019	0.003	3.5e-09
rs200523234	8	59501137	С	Α	0.296	0.014	0.002	1.6e-09
rs948421	8	61403965	С	Т	0.376	0.014	0.002	4.7e-11
rs6982175	8	61812553	С	Τ	0.879	-0.023	0.003	5.1e-12
rs894885	8	72908283	Т	G	0.238	-0.019	0.002	4.4e-14
rs75653581	8	78363128	Т	С	0.013	0.068	0.010	2.4e-12
rs117934175	8	79069520	Α	G	0.040	-0.043	0.005	3.1e-15
rs1441850	8	79657666	С	Τ	0.249	0.052	0.002	2.1e-99
rs17424046	8	101372316	Т	С	0.135	0.030	0.003	1.4e-21
rs543427	8	102468599	С	G	0.491	0.016	0.002	1.9e-14
rs6995717	8	106229410	С	Т	0.449	-0.013	0.002	4.8e-10
rs72680380	8	119932741	Ä	Ť	0.466	-0.013	0.002	3.2e-10
rs2954025	8	126484463	T	Ċ	0.649	-0.015	0.002	5.2e-12
rs10956401	8	129002419	À	Ğ	0.343	-0.025	0.002	9.3e-30
rs837223	8	130971463	T	C	0.343	-0.017	0.002	6.1e-14
rs7007986	8	142217115	À	Ğ	0.602	-0.022	0.002	1.1e-24
rs7033677	9	4049942	Ĝ	A	0.640	-0.022	0.002	1.16-24 1.5e-18
rs10815097	9	4858114	G	A	0.566	-0.020	0.002	4.8e-10
rs12336678	9	21785894	T	Ĉ	0.098	-0.013	0.002	1.1e-10
				T			0.004	
rs3731211	9	21986847	A		0.722	0.046		4.5e-86
rs2065500	9	22145694	G	Α	0.158	-0.051	0.003	1.4e-69
rs11541908	9	35705759	A	G	0.279	0.022	0.002	2.4e-21
rs12343705	9	38197187	Ţ	Α	0.490	-0.020	0.002	9.3e-22
rs2807303	9	82187095	A	G	0.346	0.022	0.002	1.2e-22
rs35010780	9	86499923	A	G	0.129	-0.022	0.003	7.7e-12
rs61750929	9	91495135	Т	С	0.056	-0.076	0.005	6e-60

1389765	rs6477734	9	112728014	С	Т	0.490	-0.015	0.002	1e-12
ISA761846 9									
Fa10856915 9									
F32791737 9									
F32427964 9									
Instrict Instrict									
rs61839660 10 6094897 T C 0.098 -0.046 0.004 8.5e-39 rs3824667 10 8100125 G A 0.827 0.0027 0.003 3.1e-21 rs11593057 10 14887979 T C 0.161 -0.018 0.003 1.7e-10 rs2992263 10 25218243 T G 0.369 -0.033 0.002 1.7e-50 rs299283 10 30492267 C 0.653 0.014 0.002 1.3e-09 rs2790861 10 44880207 G C 0.308 -0.018 0.002 7.2e-15 rs4948492 10 63719739 T C 0.660 -0.024 0.002 2.fe-26 rs24082 10 64566258 T C 0.377 -0.015 0.002 2.1e-16 rs10823631 10 72625741 G A 0.326 -0.019 0.002 2.1e-16 rs14878036									
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FS224082	rs61850684	10	50252936			0.235	-0.034	0.003	6.4e-42
International Color	rs4948492	10	63719739	Т	С	0.660	-0.024	0.002	5.7e-26
R510823631	rs224082	10	64566258	Т	С	0.377	-0.015	0.002	4.1e-12
rs748113 10 73508791 C T 0.436 -0.035 0.002 1.3e-61 rs1878036 10 82280137 G T 0.794 0.018 0.003 2.4e-11 rs1187162 10 94508636 A G 0.161 0.021 0.003 7.7e-13 rs58667319 10 96524395 T C 0.123 -0.024 0.003 1.8e-13 rs41317270 10 98369755 T C 0.177 -0.018 0.003 3.2e-11 rs11189058 10 99001258 A G 0.661 0.014 0.002 2.7e-10 rs603424 10 102075479 A G 0.171 0.021 0.003 4.1e-14 rs35896146 10 116024458 A G 0.159 0.024 0.003 4.1e-14 rs35896146 11 1213232 T G 0.415 -0.022 0.002 3.3e-24 <th< td=""><td>rs10762264</td><td>10</td><td>70976833</td><td>Α</td><td>G</td><td>0.685</td><td>-0.021</td><td>0.002</td><td>1.5e-20</td></th<>	rs10762264	10	70976833	Α	G	0.685	-0.021	0.002	1.5e-20
Ref.	rs10823631	10	72625741	G	Α	0.326	-0.019	0.002	2.1e-16
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rs73108566 12 49080698 A T 0.329 -0.019 0.002 1.4e-16 rs1131017 12 56435929 G C 0.572 0.014 0.002 3.6e-11 rs4913407 12 68560246 T G 0.705 0.016 0.002 5.2e-12 rs6538189 12 89885923 A C 0.239 0.016 0.002 7.5e-11 rs17041439 12 101873240 C A 0.056 0.043 0.005 2e-20	rs1900942	12	26831928	G		0.839	0.018	0.003	2e-10
rs1131017 12 56435929 G C 0.572 0.014 0.002 3.6e-11 rs4913407 12 68560246 T G 0.705 0.016 0.002 5.2e-12 rs6538189 12 89885923 A C 0.239 0.016 0.002 7.5e-11 rs17041439 12 101873240 C A 0.056 0.043 0.005 2e-20	rs11168249	12	48208368	С	Т	0.461	-0.018	0.002	8e-18
rs4913407 12 68560246 T G 0.705 0.016 0.002 5.2e-12 rs6538189 12 89885923 A C 0.239 0.016 0.002 7.5e-11 rs17041439 12 101873240 C A 0.056 0.043 0.005 2e-20	rs73108566	12	49080698	Α	Т	0.329	-0.019	0.002	1.4e-16
rs4913407 12 68560246 T G 0.705 0.016 0.002 5.2e-12 rs6538189 12 89885923 A C 0.239 0.016 0.002 7.5e-11 rs17041439 12 101873240 C A 0.056 0.043 0.005 2e-20	rs1131017						0.014		
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rs1265564	12	111708458	С	Α	0.441	0.073	0.002	1e-200
rs73207626	12	112686873	Ğ	Ā	0.043	-0.035	0.002	1.9e-11
rs373582220	12	112847812	A	Ĝ	0.372	-0.035	0.003	6e-38
rs1293782	12	113463594	A	C	0.643	-0.035	0.003	1.4e-11
rs6488868	12	123799974	Ĝ	A	0.738	-0.013	0.002	5.3e-29
rs67516712	12	124201524	A		0.736	0.027	0.002	4.1e-14
				G				
rs3768	12	124499839	T	C	0.194	-0.018	0.003	5.2e-11
rs76428106	13	28604007	С	T	0.013	0.063	0.010	7.7e-11
rs9532679	13	41522338	C	A	0.150	-0.032	0.003	1.7e-26
rs9533100	13	42996548	Ţ	G	0.536	-0.021	0.002	9.3e-23
rs2146880	13	46706598	Α	C	0.461	0.015	0.002	3.4e-13
rs9316484	13	50645164	C	T	0.220	-0.028	0.003	3.8e-27
rs67483792	13	72503638	T	C	0.043	-0.036	0.005	1.3e-11
rs9592965	13	74615925	С	Α	0.327	-0.015	0.002	1.3e-10
rs3812849	13	74701736	С	Α	0.264	0.045	0.002	2.7e-76
rs9513573	13	99815898	Α	G	0.279	-0.015	0.002	3.2e-10
rs1320472	13	114843162	С	Т	0.460	-0.014	0.002	4.2e-11
rs9590390	13	114920867	Α	G	0.294	0.030	0.002	1.4e-37
rs45528934	14	23793305	Т	С	0.162	-0.019	0.003	7.9e-11
rs2057340	14	35848774	G	Α	0.655	0.016	0.002	1.2e-12
rs696	14	35871093	Т	С	0.363	0.027	0.002	2.3e-34
rs11848179	14	64977053	G	Α	0.318	0.030	0.002	2.1e-38
rs10138752	14	69179971	Т	С	0.078	-0.029	0.004	3.2e-13
rs175714	14	75981856	С	Τ	0.577	0.027	0.002	5.1e-36
rs7157267	14	103350813	С	Τ	0.221	0.030	0.003	9.5e-33
rs12882130	14	103878774	G	С	0.384	0.017	0.002	5e-15
rs11855923	15	40892601	Α	G	0.392	-0.017	0.002	1.5e-15
rs139974673	15	44027885	С	Т	0.026	0.054	0.007	1.8e-15
rs12593807	15	48546727	С	Т	0.135	-0.022	0.003	6.8e-13
rs7161799	15	58770523	Т	С	0.075	0.038	0.004	1.3e-20
rs149453951	15	69583434	T	Č	0.024	0.048	0.007	3.6e-11
rs34025077	15	70033578	G	A	0.103	-0.033	0.003	2.1e-21
rs631864	15	70376441	Č	Т	0.472	0.014	0.002	5.9e-11
rs17507693	15	83793622	Ť	À	0.222	0.017	0.003	2.6e-11
rs17832339	15	90557494	Ť	G	0.039	0.050	0.005	1.4e-19
rs8030465	15	90656372	Ġ	Č	0.573	-0.013	0.002	2e-09
rs28539372	15	91021412	Ä	Ť	0.319	0.040	0.002	1.3e-69
rs447361	16	4148240	G	Ť	0.669	0.020	0.002	2.7e-18
rs1677490	16	9028541	C	Ġ	0.794	0.016	0.003	1.7e-09
rs17229044	16	11062936	T	C	0.208	-0.019	0.003	7.2e-13
rs11643225	16	24046655	Ť	Ğ	0.059	-0.013	0.005	2e-13
rs11574938	16	30485393	Ċ	Ğ	0.517	0.057	0.003	1.1e-155
rs28853644	16	30801027	T	C	0.270	-0.025	0.002	2.3e-26
rs9746394	16	31300769	Ċ	T	0.270	-0.023	0.002	2.9e-11
rs7192652	16	57075180	G	Ä	0.270	0.022	0.002	1.1e-25
rs80180406	16	67435558	A	Ğ	0.478	-0.047	0.002	3.6e-11
rs117556162	16					0.047		
		67680806	A	G	0.059		0.004	1.4e-22
rs8058619	16	75182354	С	G	0.308	-0.018	0.002	2.7e-14
rs11150084	16	78561820	G	С	0.669	0.015	0.002	1.9e-11
rs247826	16	84582965	T	С	0.222	0.037	0.003	7.9e-48
rs8060375	16	88507538	T	С	0.321	0.014	0.002	6.5e-10
rs8052370	16	88837298	Ţ	С	0.610	-0.023	0.002	3.9e-25
rs7214308	17	1965085	T	C	0.742	-0.015	0.002	3.6e-10
rs6502555	17	2729652	С	T	0.269	0.029	0.002	7.5e-34
rs62091998	17	2881625	G	Α	0.308	-0.025	0.002	5.1e-27
rs34230287	17	4613630	Т	С	0.239	0.031	0.002	2.5e-36

rs62073635 17 4770197 C T 0.346 -0.027	
rs77234976 17 7141140 G C 0.145 -0.024	0.002 4.3e-33 0.003 5.3e-15
rs11652760 17 16786819 G T 0.101 -0.025	0.003 0.00-10 0.004 2.1e-12
rs2297508 17 17715317 G C 0.649 -0.023	0.004 2.16-12 0.002 8.7e-26
rs2453582 17 19439066 T C 0.386 0.018	0.002 6.6e-17
rs3760456 17 27948844 T C 0.441 -0.016	0.002 0.0e-17 0.002 9.8e-14
rs2522972 17 35839021 T C 0.639 -0.022	0.002 9.6e-14 0.002 7.4e-23
rs4795397 17 38023745 G A 0.482 -0.031	0.002 7.4e-23 0.002 2.1e-48
rs3136685 17 38719799 T C 0.161 -0.021	0.002 2.1e-46 0.003 8.7e-13
rs72836561 17 41926126 T C 0.031 -0.037	0.003 6.7e-13 0.006 7.3e-10
	0.002 1.2e-25
	0.002 3.8e-09
	0.003 2.4e-21
rs34891561 17 73027851 T G 0.333 -0.015	0.002 4.4e-11
rs2665967 17 74016834 C T 0.732 0.015	0.002 1.2e-09
rs4789299 17 74452010 A G 0.203 0.030	0.003 2.6e-29
rs8096327 18 12887750 G A 0.391 -0.013	0.002 2.1e-09
rs3851820 18 20461322 T A 0.744 -0.016	0.002 1.2e-10
rs77551289 18 60788745 G A 0.098 -0.028	0.004 9.2e-15
rs4940572 18 60826343 A G 0.134 0.024	0.003 2.8e-14
rs111304587 18 77271669 G T 0.085 0.029	0.004 2.5e-14
rs77232119 19 300952 G T 0.273 0.015	0.002 1.9e-10
rs35140707 19 1078297 T C 0.100 -0.059	0.004 1.8e-63
rs28841391 19 1193965 G T 0.759 0.028	0.003 2.8e-27
rs35251378 19 10459969 A G 0.293 0.044	0.002 2.8e-78
rs56252104 19 13123188 T C 0.261 0.019	0.002 1.1e-15
rs62124251 19 13915213 T G 0.348 0.032	0.002 2.6e-47
rs35024802 19 16388636 T C 0.148 -0.023	0.003 1.9e-14
rs56133626 19 16441973 A G 0.328 -0.070	0.002 1e-200
rs183685887 19 16598721 C T 0.039 0.116	0.006 6.7e-97
rs4530278 19 33752994 T G 0.601 0.019	0.002 4.3e-18
rs4805881 19 33896432 C A 0.665 -0.015	0.002 3.3e-11
rs75018496 19 40785683 G C 0.077 0.024	0.004 1.6e-09
rs61387190 19 44260929 T C 0.157 0.030	0.003 1.1e-25
rs34159938 19 47690811 A G 0.259 0.031	0.002 4.3e-38
rs11084096 19 52128795 A G 0.296 -0.018	0.002 1.4e-14
rs2070745 19 52249947 G C 0.365 -0.017	0.002 6.3e-14
rs78487206 19 55347738 T G 0.165 -0.019	0.003 2.8e-10
rs4630833 20 1930798 C T 0.263 -0.045	0.002 5.1e-79
rs1883932 20 8609588 T A 0.508 -0.028	0.002 6.3e-40
rs34952318 20 11177055 A G 0.049 -0.037	0.005 1.3e-13
rs1997797 20 31387954 G C 0.447 0.018	0.002 7.6e-17
rs7273174 20 34350306 C T 0.110 -0.020	0.003 2.9e-09
rs6072080 20 39260927 T C 0.585 0.021	0.002 2e-21
rs4812803 20 42850827 T C 0.285 0.015	0.002 2.9e-10
rs13045492 20 49134535 T A 0.084 0.031	0.004 1.2e-15
rs34323943 20 52192637 C T 0.111 0.023	0.003 2e-11
rs343829 20 57553504 C G 0.929 -0.027	0.004 4.6e-11
rs259981 20 57748369 A T 0.359 -0.028	0.002 9.2e-36
rs6064762 20 57867578 C T 0.539 -0.013	0.002 2.9e-10
rs1997577 21 16371102 T A 0.155 -0.018	0.003 1.5e-09
rs150797 21 43465831 G C 0.454 -0.015	0.002 8.6e-12
rs1893592 21 43855067 C A 0.300 0.016	0.002 2.7e-12
rs721131 21 47957767 C T 0.320 -0.020	0.002 3.9e-19
rs1034564 22 19984013 T C 0.286 0.022	0.002 3.5e-21
rs4821124 22 21979289 C T 0.189 -0.043	0.003 6e-56

rs552292854	22	24654627	Т	С	0.254	-0.017	0.003	6.4e-11	
rs4583569	22	28933106	Τ	С	0.878	0.033	0.003	7.1e-24	
rs6006356	22	30503171	Α	G	0.446	0.035	0.002	1e-61	
rs139425	22	39559742	С	G	0.451	-0.027	0.002	6.2e-36	
rs202638	22	41855458	G	Α	0.795	-0.027	0.003	2.5e-24	
rs9607869	22	42418110	Α	Т	0.299	0.015	0.002	6.2e-11	

Table S12. 456 SNPs significantly associated with lymphocyte count used IVs in forward MR analyses derived from Chen MH et al. Chr: Chromosome; EA: Effect allele; NEA: Non-effect allele; EAF: Effect allele frequency.

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SNP	Chr	Pos	EΑ	NEA	EAF	Beta	SE	P-value
rs603424	10	102075479	Α	G	0.175	0.020	0.002	2.78e-16
rs35896146	10	116024458	Α	G	0.159	0.022	0.003	8.15e-17
rs7071131	10	121026712	G	Α	0.495	-0.016	0.002	3.85e-16
rs10794175	10	126358073	Τ	G	0.416	-0.021	0.002	2.5e-26
rs35001362	10	14958758	À	Ċ	0.236	-0.015	0.002	1.52e-11
rs10828725	10	25218243	T	Ğ	0.366	-0.032	0.002	1.29e-59
rs2992263	10	26741207	À	G	0.610	-0.020	0.002	1.58e-25
rs2462017	10	30486133	A	G	0.652	0.014	0.002	2.87e-12
rs7093481			G					6.84e-16
	10	44879711		A	0.307	-0.017	0.002	
rs61850684	10	50252936	A	G	0.234	-0.032	0.002	2.59e-47
rs3118469	10	6101129	T	A	0.300	0.029	0.002	1.5e-45
rs4948492	10	63719739	T	С	0.662	-0.022	0.002	5.69e-28
rs224082	10	64566258	Т	С	0.378	-0.016	0.002	1.79e-16
rs10762264	10	70976833	Α	G	0.681	-0.020	0.002	1.06e-23
rs10823631	10	72625741	G	Α	0.325	-0.017	0.002	3.11e-17
rs703257	10	73119135	Τ	С	0.888	-0.021	0.003	3.71e-12
rs748113	10	73508791	С	Т	0.436	-0.034	0.002	1.53e-65
rs10748526	10	82273079	С	T	0.794	0.015	0.002	7.88e-11
rs11187162	10	94508636	Α	G	0.162	0.020	0.003	2.61e-15
rs58667319	10	96524395	Τ	С	0.123	-0.023	0.003	9.91e-16
rs41317270	10	98369755	Т	С	0.177	-0.018	0.002	9.82e-14
rs11189058	10	99001258	À	Ğ	0.660	0.012	0.002	7.31e-10
rs11224302	11	100456604	T	Ċ	0.099	-0.038	0.003	1.73e-33
rs17116384	11	113981241	Ġ	Ä	0.317	0.013	0.002	4.5e-10
rs1893033	11	119089055	T	C	0.075	-0.028	0.004	5.7e-15
rs11218725	11	122509237	Ġ	A	0.377	0.023	0.002	1.03e-63
rs79805393	11	128412297	C	Ť	0.173	0.033	0.002	1.04e-11
rs7127911	11	128492549	T	Ġ	0.175	0.017	0.003	3.44e-29
rs2403246	11	18101078	Ġ	C	0.200	0.024	0.002	4.81e-10
rs61867141	11	1874892	A	G	0.195	-0.017	0.003	1.37e-11
rs11033388	11	36074218	T	A	0.419	0.020	0.002	2.07e-24
rs74045276	11	403484	С	G	0.565	0.013	0.002	2.85e-11
rs10838634	11	46929954	G	A	0.902	-0.026	0.003	3e-16
rs1017875	11	47999218	T	C	0.202	-0.036	0.002	5.01e-53
rs74679312	11	62194434	G	Α	0.057	0.031	0.004	2.28e-13
rs34662054	11	68908815	С	G	0.299	0.014	0.002	4.8e-12
rs949349	11	86297189	С	Т	0.271	0.014	0.002	3.26e-11
rs768908	12	10035304	Τ	С	0.125	-0.020	0.003	2.4e-12
rs17041439	12	101873240	С	Α	0.057	0.041	0.004	2.11e-23
rs4764803	12	101898230	G	С	0.617	0.014	0.002	4.87e-13
rs1265564	12	111708458	С	Α	0.443	0.072	0.002	1e-200
rs73207626	12	112686873	G	Α	0.042	-0.036	0.005	9.72e-14
rs1293782	12	113463594	Α	С	0.644	-0.015	0.002	3.74e-14
rs28533432	12	123873242	Т	C	0.700	-0.025	0.002	7.17e-33
rs67516712	12	124201524	À	Ğ	0.423	0.015	0.002	9.11e-15
rs10846577	12	124400261	C	Ť	0.442	-0.014	0.002	2.37e-13
rs34327	12	12873748	Č	T	0.523	-0.026	0.002	5.91e-42
rs6487543	12	26438189	A	Ġ	0.323	0.020	0.002	6.2e-18
rs11611710	12	4340527	Ĉ	A	0.771	-0.013	0.002	2.45e-09
			C	T				
rs11168249	12	48208368			0.461	-0.019	0.002	6.04e-24
rs73108566	12	49080698	Α	Т	0.332	-0.017	0.002	1.23e-16

rs4761790	12	51749966	Α	G	0.763	0.014	0.002	8.26e-10
rs706819	12	52315923	Ĉ	T	0.738	0.014	0.002	3.61e-10
rs1131017	12	56435929	Ğ	Ċ	0.573	0.014	0.002	9.76e-13
rs10466905	12	6502832	A	Ğ	0.190	0.062	0.002	7.09e-140
rs1118866	12	68520751	Ť	C	0.704	0.002	0.002	1.1e-12
rs34038797	12	740009	Ġ	Č	0.481	-0.019	0.002	9.44e-23
rs7308380	12	89851232	C	A	0.461	0.019	0.002	2.47e-13
rs1371076	12	90561450	C	Ť	0.731	0.015	0.002	4.22e-12
	13		G		0.740	0.013		
rs374053567		114454143		A			0.005	2.05e-09
rs2001388	13	114843054	C	T	0.461	-0.014	0.002	1.55e-12
rs9590390	13	114920867	Α	G	0.292	0.030	0.002	2.51e-46
rs76428106	13	28604007	С	Ţ	0.013	0.063	0.009	5.49e-13
rs9532679	13	41522338	C	Α	0.149	-0.032	0.003	6.33e-33
rs9525619	13	42992135	T	C	0.534	-0.020	0.002	1.08e-26
rs9534338	13	46707137	C	T	0.460	0.015	0.002	1.38e-15
rs9568054	13	49179386	Α	С	0.323	0.014	0.002	1.41e-11
rs1523178	13	50652456	C	Α	0.221	-0.026	0.002	3.86e-29
rs912416	13	50933553	С	Α	0.445	-0.012	0.002	3.58e-10
rs67483792	13	72503638	Т	С	0.043	-0.035	0.005	8.06e-14
rs9592965	13	74615925	С	Α	0.327	-0.014	0.002	8.83e-13
rs3812849	13	74701736	С	Α	0.266	0.043	0.002	1.32e-91
rs7157267	14	103350813	С	Т	0.222	0.030	0.002	1.99e-40
rs4900575	14	103899169	С	G	0.366	0.018	0.002	2.03e-20
rs45528934	14	23793305	Т	С	0.162	-0.021	0.003	1.85e-15
rs2057340	14	35848774	G	Α	0.653	0.014	0.002	4.66e-12
rs696	14	35871093	Τ	С	0.365	0.025	0.002	4.94e-38
rs1966865	14	64975861	Α	G	0.317	0.027	0.002	1.36e-40
rs10138752	14	69179971	Τ	С	0.077	-0.030	0.004	4.89e-17
rs175714	14	75981856	С	Т	0.577	0.026	0.002	9.2e-42
rs2180369	14	93516465	С	Τ	0.111	0.020	0.003	1.47e-10
rs10145277	14	99793449	Α	Τ	0.625	-0.015	0.002	3.19e-14
rs2412544	15	40949526	Т	С	0.394	-0.016	0.002	1.13e-16
rs139974673	15	44027885	С	Τ	0.026	0.054	0.006	1.89e-19
rs12593807	15	48546727	С	Τ	0.136	-0.021	0.003	7.57e-14
rs7161799	15	58770523	Т	С	0.076	0.034	0.004	2.79e-21
rs2439408	15	66925163	С	G	0.561	-0.012	0.002	9.72e-11
rs149453951	15	69583434	Т	С	0.024	0.049	0.007	4.04e-13
rs34025077	15	70033578	G	A	0.101	-0.033	0.003	1.25e-25
rs631864	15	70376441	С	Т	0.472	0.014	0.002	1.48e-12
rs17507693	15	83793622	Т	Α	0.223	0.016	0.002	9.86e-13
rs187856913	15	90555181	À	G	0.039	0.048	0.005	6.24e-22
rs11073903	15	90653194	Α	Ğ	0.567	-0.013	0.002	4.41e-11
rs28539372	15	91021412	Α	Ť	0.319	0.038	0.002	3.38e-78
rs17229044	16	11062936	T	Ċ	0.210	-0.019	0.002	1.78e-16
rs145719494	16	24044921	Ġ	Ä	0.059	-0.031	0.004	3.71e-14
rs12598978	16	30482540	Ğ	T	0.520	0.055	0.002	1.58e-181
rs28853644	16	30801027	T	Ċ	0.271	-0.024	0.002	3.77e-30
rs78487935	16	3651579	Ġ	A	0.078	-0.024	0.002	3.2e-11
rs447361	16	4148240	G	T	0.666	0.018	0.002	6.1e-19
rs7192652	16	57075180	G	Å	0.481	0.010	0.002	4.32e-31
rs149012671	16	67596482	G	Ĉ	0.461	-0.030	0.002	1.89e-10
rs117556162	16	67680806	A	G	0.044	0.044	0.003	3.31e-27
rs9939124	16	75185764	T	C	0.056	-0.044	0.004	3.6e-16
rs247826	16	84582965	T T	C	0.307	0.039	0.002	
								1.19e-63
rs56292801	16	88535341	A	G	0.273	0.014	0.002	1.02e-09
rs8052370	16	88837298	Т	С	0.609	-0.021	0.002	5.82e-25

rs1677490	16	9028541	С	G	0.791	0.016	0.002	1.25e-11
rs11652968	17	16813349	T	C	0.190	-0.016	0.002	8.04e-11
rs2297508	17	17715317	Ġ	C	0.130	-0.022	0.002	2.2e-27
rs2453582	17	19439066	T	C	0.391	0.018	0.002	4.88e-19
rs6502555	17	2729652	Ċ	T	0.269	0.010	0.002	9.26e-38
rs3760456	17	27948844	T	Ċ	0.439	-0.015	0.002	1.4e-14
rs62091998	17	2881625	G	A	0.307	-0.022	0.002	1.33e-27
rs2522972	17	35839021	T	C	0.640	-0.020	0.002	6.54e-25
rs4795397	17	38023745	G	A	0.479	-0.030	0.002	3.62e-57
rs2072081	17	42327493	T	G	0.255	-0.017	0.002	2.53e-14
rs35186877	17	4625892	Α	G	0.214	0.032	0.002	1.94e-42
rs8075090	17	4969108	С	T	0.524	0.021	0.002	2.01e-28
rs9898958	17	55242242	G	T	0.153	0.016	0.003	3.56e-09
rs1292069	17	57928290	С	Т	0.450	-0.023	0.002	3.09e-32
rs11657448	17	62023128	Т	С	0.322	0.013	0.002	8.47e-10
rs1215	17	7163350	G	Α	0.144	-0.023	0.003	3.67e-17
rs9906320	17	72690829	Α	G	0.775	0.025	0.002	8.67e-27
rs1491765	17	73028923	Α	G	0.293	-0.017	0.002	1.67e-16
rs2665960	17	74024711	G	Α	0.669	0.012	0.002	4.03e-09
rs4789294	17	74419177	G	Α	0.219	0.027	0.002	1.05e-30
rs116876036	17	76393762	Т	С	0.090	0.021	0.003	9.57e-10
rs8096327	18	12887750	G	Α	0.391	-0.013	0.002	1.59e-10
rs3851820	18	20461322	Τ	Α	0.745	-0.018	0.002	7.37e-16
rs4987855	18	60793549	Τ	С	0.096	-0.024	0.003	1.16e-13
rs4940572	18	60826343	Α	G	0.136	0.023	0.003	1.17e-16
rs9676181	18	74769175	Α	Т	0.574	0.012	0.002	9.73e-10
rs111626441	18	77250669	Α	G	0.097	0.028	0.003	8.97e-17
rs36084354	19	1079959	Α	G	0.092	-0.061	0.003	6.6e-71
rs3817621	19	12998205	С	Ğ	0.238	-0.017	0.002	1.11e-13
rs345627	19	13917264	Ť	Č	0.349	0.034	0.002	3.13e-60
rs897791	19	16490859	Ġ	Ă	0.967	-0.096	0.005	3.3e-69
rs138243594	19	16495586	Ä	G	0.013	-0.076	0.009	4.57e-16
rs148213173	19	16647026	C	Ä	0.054	0.108	0.004	5.63e-146
rs4530278	19	33752994	Ť	Ğ	0.598	0.017	0.002	5.24e-18
rs4805881	19	33896432	Ċ	Ä	0.665	-0.015	0.002	1.41e-13
rs75018496	19	40785683	Ğ	Ċ	0.076	0.025	0.004	1.6e-11
rs60505738	19	4089811	T	Č	0.090	0.026	0.004	1.2e-13
rs61387190	19	44260929	Ť	C	0.050	0.020	0.003	5.81e-34
rs56179616	19	47695751	Ť	Ğ	0.157	0.032	0.003	6.22e-47
rs3810276	19	50934939	A	G	0.405	-0.012	0.002	1.47e-09
rs11084096	19	52128795	A	G	0.403	-0.012	0.002	6.42e-19
rs2070745	19	52249947	Ĝ	C	0.290	-0.016	0.002	3.94e-16
rs12088882	1	101224620	T	Č	0.408	0.034	0.002	1.3e-70
rs10875371			Τ̈́	C		-0.021	0.002	3.37e-27
rs77954449	1	101762529 10242292			0.418	-0.021		
	1		G	A	0.028		0.006	9.78e-11
rs2476601	1	114377568	G	A	0.900	0.054	0.003	1.47e-67
rs11204702	1	150663507	A	С	0.510	-0.026	0.002	3.37e-42
rs967072	1	156972485	T	С	0.137	-0.017	0.003	3.88e-10
rs12045893	1	158530416	T	C	0.248	0.027	0.002	9.7e-35
rs1633267	1	159010220	G	T	0.865	-0.018	0.003	1.46e-10
rs72634819	1	1596500	T	C	0.264	-0.014	0.002	4.67e-10
rs494091	1	160791892	C	T	0.426	0.027	0.002	6.35e-46
rs60220286	1	161639559	Α	G	0.175	-0.021	0.003	8.03e-15
rs6427618	1	161680258	Α	G	0.621	0.014	0.002	1.55e-12
rs2489279	1	182144119	G	С	0.334	0.018	0.002	1.28e-18
rs72740550	1	197342380	Α	G	0.222	-0.019	0.002	1.58e-16

rs10494783	1	198663661	Α	G	0.052	-0.054	0.004	8.95e-37
rs113116201	1	198830942	С	Т	0.020	0.041	0.007	1.93e-09
rs2294630	1	19981791	G	Α	0.493	0.013	0.002	8.15e-12
rs11240335	1	203714629	Т	С	0.067	0.029	0.004	6.49e-13
rs4619033	1	204269242	G	Α	0.268	-0.019	0.002	5.73e-19
rs1967115	1	212375359	Α	G	0.629	0.017	0.002	1.04e-17
rs12745411	1	214405704	Τ	G	0.600	0.017	0.002	6.32e-18
rs12021809	1	225941782	Α	G	0.110	-0.026	0.003	2.69e-18
rs533483	1	234765256	Α	G	0.244	-0.014	0.002	1.58e-10
rs4660128	1	236087992	С	Ť	0.897	-0.025	0.003	3.12e-15
rs61778219	1	24235932	Ť	Ċ	0.141	0.023	0.003	2.67e-17
rs4925547	1	247612435	Ť	Ä	0.402	0.012	0.002	4.55e-10
rs74227709	i	247722588	À	Ğ	0.072	-0.029	0.004	2.51e-15
rs2282718	i	25241056	A	G	0.372	-0.018	0.002	3.25e-18
rs4274112	1	26746199	Ĝ	A	0.372	0.014	0.002	1.51e-12
rs11247712	1	28229681	T	Ĉ	0.373	-0.020	0.002	3.38e-24
rs12142033	1	39542129	A	G	0.333	-0.013	0.002	1.73e-10
rs59543294	1	51495673	Ċ	T	0.107	0.019	0.003	3.46e-10
rs4319365	1	56907720	A	G	0.545	-0.019	0.002	3.26e-24
rs1933295	1	62107021	G	Α	0.777	-0.014	0.002	1.22e-09
rs12127284	1	65431599	T	С	0.710	-0.017	0.002	1.11e-15
rs6700896	1	66089782	Т	С	0.379	-0.017	0.002	3.67e-19
rs2755253	1	67470843	Т	С	0.709	-0.031	0.002	2.87e-50
rs2275902	1	79357360	С	G	0.298	-0.016	0.002	5.22e-15
rs12131864	1	8591162	G	Α	0.631	-0.019	0.002	3.34e-23
rs462579	1	91511604	Τ	Α	0.109	-0.021	0.003	2.87e-12
rs34952318	20	11177055	Α	G	0.050	-0.035	0.004	1.11e-14
rs4411786	20	1930897	С	Τ	0.265	-0.045	0.002	6.39e-98
rs1997797	20	31387954	G	С	0.446	0.017	0.002	4.44e-19
rs7273174	20	34350306	С	Т	0.110	-0.022	0.003	1.17e-12
rs6072080	20	39260927	Ť	Ċ	0.585	0.020	0.002	1.77e-24
rs6103270	20	42015635	Ġ	Ā	0.226	-0.014	0.002	1.91e-09
rs968478	20	47339742	Ğ	A	0.397	0.015	0.002	3.11e-14
rs2230604	20	49196284	T	Ċ	0.084	0.030	0.003	3.65e-18
rs6021231	20	50092287	Ċ	T	0.471	-0.011	0.002	2.21e-09
rs6063965	20	52191200	A	Ġ	0.471	0.023	0.002	3.46e-14
rs259981	20	57748369		T			0.003	3.40e-14 3.91e-42
			A		0.360	-0.027		
rs2738783	20	62308612	G	T	0.790	-0.016	0.002	1.24e-10
rs1297265	21	16817051	G	A	0.443	0.012	0.002	7.44e-10
rs150797	21	43465831	G	C	0.447	-0.014	0.002	2.19e-12
rs1893592	21	43855067	C	A	0.296	0.015	0.002	2.13e-12
rs721131	21	47957767	С	T	0.320	-0.019	0.002	1.36e-20
rs9605047	22	20002848	Т	G	0.328	0.020	0.002	2.99e-21
rs5998509	22	21917479	Т	С	0.188	-0.041	0.002	2.19e-61
rs71318973	22	24658265	Т	G	0.241	-0.015	0.002	7.29e-12
rs16986308	22	28717032	Α	G	0.116	-0.032	0.003	9.95e-28
rs714027	22	30577771	G	Α	0.552	-0.035	0.002	5.96e-75
rs139425	22	39559742	С	G	0.447	-0.027	0.002	1.85e-45
rs2899319	22	39874314	С	Α	0.619	0.012	0.002	3.13e-09
rs5758452	22	42144927	Α	G	0.793	-0.027	0.002	9.92e-31
rs62241216	22	50744821	G	Ä	0.492	-0.012	0.002	3.88e-10
rs6755786	2	103048103	Ť	C	0.773	0.027	0.002	4.2e-32
rs1533298	2	111616304	Ť	Č	0.715	0.021	0.002	1.19e-49
rs1976055	2	111787853	À	Č	0.156	-0.017	0.002	4.05e-11
rs144942718	2	112238447	A	Ğ	0.130	-0.072	0.003	3.47e-73
rs17366643	2	11344504	C	T	0.538	0.015	0.004	1.35e-14
1517300043		11044004	U	- 1	0.556	0.013	0.002	1.006-14

rs4849169	2	113953657	С	Α	0.482	0.021	0.002	4.14e-28
rs35002856	2	12878229	C	G	0.462	0.021	0.002	4.14e-26 4.03e-10
rs71420836	2	129060871	T	C	0.373	0.012	0.002	1.67e-19
rs62160910	2	136919140	С	G	0.058	-0.024	0.004	4.53e-09
rs73961715	2	143803847	С	T	0.128	-0.049	0.003	2.79e-67
rs148601577	2	143847602	G	A	0.020	-0.049	0.007	3.79e-12
rs34030812	2	144248905	С	T	0.367	-0.018	0.002	1.49e-20
rs10173412	2	161330940	С	T	0.201	-0.039	0.002	1.45e-62
rs10180049	2	162993472	Α	G	0.385	0.015	0.002	5.21e-14
rs13432797	2	165526587	С	G	0.345	-0.012	0.002	2.12e-09
rs529002	2	169703896	G	Τ	0.551	-0.011	0.002	4.46e-09
rs11684463	2	182077535	Τ	Α	0.327	-0.047	0.002	1.3e-121
rs62180255	2	182188444	Α	Т	0.441	0.034	0.002	1.81e-72
rs10179705	2	188315234	Α	G	0.294	-0.021	0.002	1.29e-24
rs6743068	2	202153920	G	Α	0.730	0.031	0.002	1.69e-49
rs715	2	211543055	С	Т	0.311	-0.015	0.002	5.63e-13
rs11897252	2	216250263	Т	С	0.234	-0.014	0.002	4.69e-10
rs78058190	2	219699999	Α	G	0.052	0.047	0.005	1.36e-22
rs978917	2	223974443	Α	Ğ	0.615	0.018	0.002	7.38e-20
rs11676298	2	227291731	G	Č	0.191	0.027	0.002	2.86e-29
rs34261309	2	231224638	Č	T	0.107	0.022	0.003	8.5e-13
rs58106596	2	232579379	A	Ġ	0.226	-0.024	0.002	3.67e-25
rs13016839	2	234357513	G	A	0.107	-0.024	0.002	1.03e-16
rs55982282	2	24188128	A	Ğ	0.107	0.062	0.003	8.7e-110
rs1260326	2	27730940	Ĉ	T	0.133	-0.024	0.003	1.44e-35
	2		C	Ť				
rs11688289		40698811			0.189	-0.015	0.002	6.98e-10
rs149290349	2	43451957	A	G	0.075	-0.068	0.004	3.29e-77
rs2542573	2	54046646	C	T	0.331	-0.015	0.002	1.52e-13
rs4671238	2	55324905	T	C	0.560	-0.014	0.002	1.05e-12
rs12991188	2	62554797	G	Α	0.598	0.013	0.002	3.77e-11
rs6546881	2	74187420	T	C	0.657	0.013	0.002	2.17e-10
rs6721663	2	7615061	Α	G	0.159	-0.026	0.003	9.83e-24
rs7572278	2	8563029	Α	Τ	0.207	0.020	0.002	1.04e-17
rs2100139	3	108504265	С	Т	0.658	0.015	0.002	2.32e-14
rs1822534	3	12266804	G	Α	0.394	-0.034	0.002	7.22e-71
rs62262391	3	123105119	Τ	С	0.225	-0.026	0.002	3.52e-30
rs332507	3	124435110	С	Τ	0.222	-0.015	0.002	3.12e-11
rs11712335	3	128210550	С	Т	0.269	0.015	0.002	1.26e-12
rs9835571	3	136523475	G	Т	0.690	0.022	0.002	3.49e-27
rs12636926	3	141660742	С	Т	0.730	-0.014	0.002	1.92e-10
rs721377	3	14435063	Т	С	0.102	0.020	0.003	5.23e-10
rs9864216	3	151007262	Α	G	0.776	0.024	0.002	1.57e-25
rs76830965	3	159637678	Α	С	0.117	-0.021	0.003	2.13e-12
rs2291900	3	170825920	Α	G	0.291	0.017	0.002	1.49e-15
rs7627511	3	171178037	C	Ğ	0.219	-0.017	0.002	2.11e-12
rs2270968	3	182755209	Ğ	T	0.738	-0.013	0.002	2.46e-09
rs11926572	3	183742328	G	Ä	0.756	0.013	0.002	7.34e-11
rs77265382	3	185546150	T	Ĉ	0.045	-0.033	0.002	1.17e-12
rs11505019	3	188094327	Ġ	T	0.411	-0.033	0.003	3.18e-12
rs6808949	3	18883999	C	Ť				
					0.111	0.023	0.003	9.16e-14
rs56850780	3	195926731	T	G	0.078	-0.021	0.004	3.55e-09
rs2089979	3	196501413	G	Α	0.414	-0.035	0.002	4.1e-72
rs2887944	3	27758275	T	G	0.436	0.019	0.002	1.13e-28
rs74280151	3	28287735	T	С	0.175	0.029	0.002	2.22e-38
rs11706384	3	39296881	T	G	0.236	0.027	0.002	7.44e-34
rs73081851	3	56623617	Т	Α	0.530	0.016	0.002	2.48e-17

Instract Instract									
RSB09697 3 71414864 A G 0.136 -0.018 -0.002 7.75e-11 rs5028470 4 103554722 G A 0.517 0.037 0.002 1.45e-84 rs7672879 4 122811172 A T 0.353 0.013 0.002 1.08e-11 rs309375 4 123681156 A C 0.575 0.019 0.002 7.36e-10 rs40969314 4 153005716 C T 0.620 -0.012 0.002 7.36e-10 rs408817 4 157801752 A C 0.013 -0.029 0.032 2.1e-11 rs6343603 4 189301245 G A 0.113 -0.019 0.002 1.19e-47 rs6541603 4 38456404 C T 0.020 -0.040 0.007 3.76e-09 rs13105847 4 38602467 A G 0.221 0.046 0.002 1.19e-47 <	rs12485738	3	56865776	G	Α	0.628	0.018	0.002	5.99e-20
International Color International Color	rs35592432		71355240	С	G	0.027		0.006	1.68e-68
FS2237040	rs6809697	3	71414864	Α	G	0.136	-0.018	0.003	7.75e-11
IST-672879	rs5026470	4	103554722	G		0.517	0.037	0.002	1.45e-84
ISSUE ISSU	rs2237040	4	110838862	Τ	С	0.406	-0.020	0.002	3.53e-24
International Color International Color	rs7672879	4	122811172	Α	Τ	0.353	0.013	0.002	1.08e-11
ISAGE ISAG	rs309375	4	123681156	Α	С	0.575	0.019	0.002	7.84e-23
ISPA	rs7696969	4	143326714	G	Τ	0.620	-0.012	0.002	7.36e-10
Ref	rs4696314	4	153005716	С	Τ	0.515	0.014	0.002	9.33e-14
FS1344603	rs74408817	4	157801752	Α	С	0.081	-0.023	0.003	2.1e-11
FS1344603	rs62334097	4	169301245	G					3.38e-10
F86531629	rs1344603	4	38109847	С	Т	0.676			1.19e-47
rs17581460	rs6531629				Т				
Fig.									
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R52298850		-							
International Process of State									
FS17005891		-							
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rs78270096 5 110517419 A G 0.070 -0.034 0.004 7.79e-19 rs3797727 5 111079024 A T 0.112 0.020 0.003 4.94e-11 rs73239280 5 118695579 A G 0.203 -0.032 0.002 4.72e-41 rs58265751 5 124377841 C T 0.521 -0.012 0.002 1.61e-10 rs251391 5 127538116 T C 0.747 0.020 0.002 1.21e-19 rs10076701 5 131596419 C T 0.557 -0.023 0.002 1.21e-19 rs1909933 5 147935890 G A 0.475 -0.012 0.002 4.86e-10 rs3815725 5 150518532 G A 0.636 -0.017 0.002 4.42e-13 rs110755818 5 157969475 C T 0.252 -0.030 0.002 2.15e-42 <tr< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr<>									
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rs251391 5 127538116 T C 0.747 0.020 0.002 1.21e-19 rs10076701 5 131596419 C T 0.557 -0.023 0.002 5.52e-33 rs75925066 5 134722833 A C 0.023 0.085 0.006 1.84e-40 rs1990933 5 147935890 G A 0.475 -0.012 0.002 4.86e-10 rs3815725 5 150518532 G A 0.520 -0.017 0.002 3.66e-18 rs17055818 5 157969475 C T 0.252 -0.030 0.002 2.15e-42 rs360017 5 173207353 G A 0.775 -0.021 0.002 1.69e-20 rs4976642 5 176673068 A T 0.831 0.024 0.003 3.44e-22 rs11742873 5 179244302 T C 0.837 -0.017 0.003 1.75e-10									
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rs72986491 6 135042596 A G 0.206 0.017 0.002 1.28e-12 rs7776054 6 135418916 G A 0.261 -0.040 0.002 9.81e-78 rs17710008 6 153043035 A G 0.182 0.021 0.002 4.45e-17 rs707827 6 15327500 A G 0.629 0.015 0.002 9.97e-15 rs41267765 6 159462424 T C 0.022 -0.046 0.006 1.24e-12									
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rs7776054 6 135418916 G A 0.261 -0.040 0.002 9.81e-78 rs17710008 6 153043035 A G 0.182 0.021 0.002 4.45e-17 rs707827 6 15327500 A G 0.629 0.015 0.002 9.97e-15 rs41267765 6 159462424 T C 0.022 -0.046 0.006 1.24e-12	rs72986491	6	135042596	Α	G	0.206	0.017	0.002	1.28e-12
rs17710008 6 153043035 A G 0.182 0.021 0.002 4.45e-17 rs707827 6 15327500 A G 0.629 0.015 0.002 9.97e-15 rs41267765 6 159462424 T C 0.022 -0.046 0.006 1.24e-12	rs7776054		135418916	G	Α	0.261	-0.040		9.81e-78
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rs41267765 6 159462424 T C 0.022 -0.046 0.006 1.24e-12				Α					

rs73735249	6	21809342	Α	G	0.208	0.018	0.002	2.74e-14
rs72835315	6	231878	Ĉ	T	0.266	0.015	0.002	7.09e-17
rs2106072	6	30153363	A	Ġ	0.000	-0.087	0.004	1e-200
rs28360986	6	30994248	G	C	0.127	0.051	0.003	3.1e-55
rs9461975	6	34236459	T	Ç	0.113	-0.031	0.003	4.24e-24
rs1050979	6	410417	G	Α	0.525	0.025	0.002	3.97e-38
rs4711790	6	44573822	T	С	0.340	-0.017	0.002	4.88e-18
rs12190136	6	44767072	Α	G	0.526	0.012	0.002	3.99e-10
rs2294861	6	53136516	Т	С	0.294	0.019	0.002	3.84e-20
rs9328393	6	6902939	Α	С	0.668	0.023	0.002	5.74e-31
rs607465	6	7129563	G	Α	0.066	0.034	0.004	4.83e-19
rs1334577	6	7211751	Α	G	0.235	-0.017	0.002	5.29e-14
rs72928038	6	90976768	Α	G	0.177	-0.033	0.002	4.24e-41
rs78976959	7	100311666	Α	G	0.041	0.033	0.005	8.41e-12
rs4730737	7	116076443	Α	С	0.920	0.023	0.004	9.41e-11
rs9920	7	116200092	С	Τ	0.105	0.029	0.003	2.15e-21
rs62621812	7	127015083	Α	G	0.021	0.056	0.007	2.73e-16
rs2727487	7	129513820	С	Α	0.629	-0.013	0.002	1.08e-10
rs4336553	7	130743720	G	Α	0.793	-0.022	0.002	1.61e-21
rs10269987	7	138741642	Ā	G	0.575	-0.017	0.002	4.83e-19
rs35114152	7	150294476	G	Ä	0.226	0.025	0.002	1.73e-27
rs73165514	7	150527651	Ä	Ğ	0.086	0.021	0.003	5.47e-10
rs35345753	7	22740513	G	C	0.207	-0.027	0.002	6.95e-30
rs35121828	7	23634985	A	Ğ	0.259	0.013	0.002	1.22e-09
rs10807805	7	2753850	Ğ	A	0.584	-0.012	0.002	4.01e-10
rs9648346	7	28160113	G	Ĉ	0.203	-0.012	0.002	2.63e-25
rs6955702	7	3157702	G	A	0.522	-0.024	0.002	3.36e-31
	7		C	T				
rs2710804		36084529			0.376	0.014	0.002	1.63e-12
rs6966893	7	37385357	Α	G	0.179	0.019	0.002	3.91e-14
rs3735485	7	45009341	G	Α	0.845	0.044	0.003	3.56e-63
rs10245472	7	55147478	Α	G	0.177	-0.016	0.002	1.65e-10
rs2908425	7	5569327	Α	G	0.332	0.014	0.002	3.78e-12
rs10237524	7	56036024	Α	G	0.330	-0.019	0.002	1.35e-21
rs2347784	7	6524843	G	С	0.268	0.028	0.002	6.95e-39
rs4718976	7	70113409	C	T	0.695	-0.018	0.002	1.1e-17
rs799166	7	73051932	G	С	0.133	-0.017	0.003	7.57e-10
rs10230506	7	92471518	Α	Т	0.161	0.021	0.003	2.86e-16
rs11984234	7	949067	Α	Τ	0.214	0.017	0.002	2.12e-12
rs57098456	7	98038351	G	Α	0.322	-0.013	0.002	9.15e-10
rs881492	8	101484638	G	С	0.467	-0.019	0.002	6.56e-23
rs1264593	8	102471269	Т	G	0.495	0.015	0.002	2.15e-14
rs28588745	8	10647044	Т	Α	0.206	0.022	0.002	1.25e-21
rs13276352	8	11657838	С	Τ	0.209	0.014	0.002	2.15e-09
rs2055101	8	119886923	Т	С	0.527	-0.013	0.002	1.84e-12
rs2980888	8	126507308	С	Т	0.697	-0.015	0.002	1.21e-13
rs10956401	8	129002419	Α	G	0.345	-0.025	0.002	5.05e-37
rs10107362	8	130986984	G	Č	0.361	0.013	0.002	8.36e-11
rs7007986	8	142217115	Ä	Ğ	0.601	-0.022	0.002	8.5e-28
rs7830045	8	18700282	C	Ä	0.436	-0.013	0.002	1.69e-11
rs56094005	8	21769432	G	A	0.430	-0.040	0.005	1.61e-17
rs1533065	8	22785768	T	Ĉ	0.345	0.017	0.003	4.95e-17
rs113142693	8	30242076	Ċ	T	0.343	-0.017	0.002	4.95e-17 1.46e-14
	8			Ċ	0.247		0.002	
rs2980821		40028306	A C			-0.013		4.97e-12
rs6474359	8	41549194		T	0.038	-0.051	0.005	1.13e-24
rs4737010	8	41630447	A	G	0.229	0.027	0.002	2.47e-32
rs10503147	8	421777	Т	С	0.089	0.021	0.003	7.48e-10

rs7839516 8 61386533 C T 0.369 0.015 0.0	002 3.08e-15
	002 3.00e-13 002 2.26e-17
	005 1.12e-19
	002 9.8e-117
	002 3.0e-117 002 1.03e-12
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	002 1.93e-11 002 6.26e-27
	002 0.20e-27 003 6.9e-14
	003 0.96-14 002 1.16e-40
	002 1.16e-40 003 6.82e-12
	002 5.14e-95
	003 3.29e-77
	002 2.01e-09
	002 2.55e-11
	002 4.93e-22
	002 1.11e-23
	002 6.76e-20
	002 2.79e-27
	003 3.75e-14
	004 1.36e-65
	005 2.88e-10
	006 8.68e-14
	006 1.49e-14
	008 9.26e-10
	006 5.08e-10
	007 1.18e-11
	009 5.45e-12
	003 1.56e-24
	002 3.44e-15
	002 7.19e-19
	002 5.89e-11
	003 4.06e-40
	002 2.73e-12
	002 2.21e-13
	002 7.39e-12
	003 1.88e-32
	003 5.33e-10
	003 3.03e-31
	002 1e-200
	002 1.22e-11
	002 2.26e-19
	002 2.97e-15
	003 3.83e-11
rs60918921 1 23850590 A C 0.619 -0.015 0.0	002 1.39e-12
rs4068540 1 40398941 G A 0.266 0.017 0.0	002 1.52e-14
	002 1.91e-44
rs5995837 22 40603363 C G 0.270 0.015 0.0	002 5.15e-12
rs199898421 2 112193161 G A 0.060 0.038 0.0	006 1.59e-10
rs4673265 2 204631738 T C 0.731 -0.016 0.0	002 4.15e-13
rs7625643 3 141150026 G A 0.444 0.025 0.0	002 2.36e-36
rs13063578 3 47087837 A T 0.401 0.053 0.0	002 1.24e-142
	002 1.17e-39
	002 3.74e-09
	002 1.44e-13
	002 3.58e-13
	002 1.52e-11

rs7763994	6	151912354	Т	Α	0.291	0.014	0.002	6.72e-11
rs565245327	6	31614543	Τ	G	0.471	-0.050	0.003	5.89e-84
rs111959275	6	32618796	Т	G	0.142	0.085	0.003	2.82e-168
rs55633929	7	156595998	Α	G	0.425	-0.014	0.002	8.67e-12
rs192364644	7	77163413	С	G	0.612	-0.013	0.002	3.49e-11
rs200984644	7	98931658	G	Α	0.064	0.040	0.004	3.73e-23
rs1976451	8	49456791	G	Τ	0.135	-0.017	0.003	4.35e-09
rs13277751	8	59415337	G	Τ	0.642	-0.012	0.002	1.14e-09
rs2791733	9	133623966	Α	С	0.400	-0.015	0.002	4.38e-14
rs77866737	10	6075285	D	1	0.200	-0.029	0.003	3.65e-29
rs538811162	2	24613039	1	D	0.580	-0.017	0.002	9.31e-15
rs9494100	6	135195857	1	D	0.253	-0.018	0.002	8.97e-14
rs74835819	6	32455787	Α	G	0.071	0.046	0.005	2.74e-20

Table S13. 464 SNPs significantly associated with myeloid white cell count used IVs in forward MR analyses derived from Chen MH et al. Chr: Chromosome; EA: Effect allele; NEA: Non-effect allele; EAF: Effect allele frequency.

Effect allele;	NEA:	Non-effect	allel	e; EA	F: Effec	<u>ct allele</u>		ncy.
SNP	Chr	Pos	EA	NEA	EAF	Beta	SE	P-value
rs7917772	10	104487443	Α	G	0.631	0.017	0.002	3.6e-18
rs72836628	10	113902454	Τ	С	0.249	-0.014	0.002	3.02e-11
rs180941	10	115720674	Α	G	0.625	-0.017	0.002	1.63e-18
rs12784071	10	115854445	Т	Č	0.222	0.018	0.002	4.79e-16
rs7920891	10	120895131	A	C	0.569	-0.012	0.002	1.35e-10
rs3781454	10	126348565	A	Ğ	0.677	0.025	0.002	3.68e-36
rs10906393	10	13536512	T	Ä	0.576	0.015	0.002	2.44e-16
rs692594	10	18265893	Ċ	G	0.489	0.013	0.002	1.7e-12
rs10828725	10	25218243	T	G	0.365	-0.050	0.002	1.1e-148
rs703005	10	26758576	T	C	0.598	-0.036	0.002	4.55e-16
rs2993986	10	28800023	Ť	C	0.774	0.030	0.002	4.75e-43
rs2091084	10	30492267	Ċ	T	0.653	0.030	0.002	6.25e-19
rs11252331	10	4129296	G	† T	0.837	0.017	0.002	1.8e-11
rs72790862	10	44880260	C	† T	0.837	-0.026	0.002	5.05e-38
rs17011726		50264204	G	Ċ	0.307	-0.026	0.002	3.58e-27
	10							
rs41295055	10	6111622	T	С	0.187	-0.014	0.002	4.95e-09
rs7082470	10	65277026	A	G	0.474	-0.029	0.002	5.75e-56
rs1885474	10	69566751	G	T	0.103	-0.022	0.003	1.11e-12
rs3747869	10	73520632	C	A	0.900	0.039	0.003	1.79e-33
rs11002309	10	79594931	T	С	0.340	0.013	0.002	8.28e-11
rs1880390	10	88334654	A	C	0.292	-0.012	0.002	1.18e-09
rs59085061	10	89681458	G	A	0.040	-0.050	0.005	9e-27
rs9633675	10	96210400	C	G	0.479	-0.019	0.002	9.6e-25
rs61863767	10	99084426	T	С	0.596	0.043	0.002	4.56e-117
rs12363256	11	100520680	Α	T	0.325	0.016	0.002	4.54e-16
rs11225017	11	101687730	T	С	0.084	0.020	0.003	1.72e-09
rs4909932	11	10475967	G	Α	0.598	0.014	0.002	2.01e-13
rs7934719	11	108341864	Τ	С	0.414	0.018	0.002	1.55e-21
rs73000965	11	113982321	Α	T	0.315	0.029	0.002	1.86e-47
rs672058	11	116764021	Τ	С	0.880	0.018	0.003	1.81e-10
rs148713124	11	118225200	Τ	G	0.009	0.096	0.010	1.35e-21
rs11022177	11	12133478	G	С	0.311	-0.018	0.002	3.43e-19
rs8705	11	128328913	Α	G	0.317	-0.026	0.002	1.35e-39
rs10831912	11	12856414	С	Т	0.604	-0.011	0.002	1.69e-09
rs12792460	11	18076439	G	С	0.271	0.016	0.002	4.13e-14
rs1468102	11	3004526	G	С	0.306	0.015	0.002	9.95e-14
rs1232050	11	30798288	С	G	0.430	-0.012	0.002	2.48e-09
rs934177	11	44612714	G	С	0.436	-0.011	0.002	1.48e-09
rs1228024	11	47951353	Α	С	0.661	0.025	0.002	2.32e-38
rs579721	11	59834318	Α	G	0.284	-0.012	0.002	1.55e-09
rs174548	11	61571348	G	С	0.314	-0.025	0.002	6.38e-36
rs617791	11	65702523	С	G	0.483	0.019	0.002	1.59e-24
rs7177	11	69466115	A	C	0.529	-0.013	0.002	1.43e-12
rs17041439	12	101873240	C	Ä	0.057	0.038	0.004	2.96e-21
rs73190675	12	109788891	Ä	G	0.050	0.029	0.004	1.15e-11
rs10774624	12	111833788	A	Ğ	0.514	-0.065	0.002	1e-200
rs11064881	12	120146925	A	Ğ	0.074	-0.032	0.004	9.92e-20
rs7308123	12	122225225	Ċ	T	0.181	0.019	0.002	2.29e-14
rs9697459	12	123988435	T	Ċ	0.101	0.013	0.002	4e-10
rs9863	12	124421453	Ċ	T	0.223	-0.019	0.002	1.53e-21
rs2024385	12	12888438	A	† T	0.329	0.019	0.002	1.33e-21 1.2e-19
182024303	١Z	12000430	А	ı	0.427	0.017	0.002	1.26-19

rs11048425 12 26339986 G C 0.491 0.013 0.002 1.03e-12 rs1007938 12 26802549 G A 0.405 0.011 0.002 3.26e-09 rs12580347 12 3388932 C T 0.583 0.012 0.002 3.28e-10 rs7955734 12 4333159 G C 0.210 -0.029 0.002 2.1e-37 rs73108566 12 49080698 A T 0.331 -0.013 0.002 1.32e-10 rs2302900 12 50599709 C T 0.341 0.019 0.002 3.69e-22 rs1700159 12 52305786 T C 0.774 0.024 0.002 6.3e-28 rs1245035 12 64976049 A C 0.627 0.014 0.002 4.79e-14 rs2286599 12 6499533 A G 0.141 0.039 0.003 1.43e-43 rs7968902 12 66363070 G T 0.571 0.011 0.002 1.65e-09 rs759488 12 68587155 C T 0.705 0.014 0.002 2.58e-11 rs11114149 12 79908743 T A 0.683 -0.014 0.002 2.58e-11 rs11114149 12 79908743 T A 0.683 -0.014 0.002 2.58e-11 rs11114149 12 79908743 T A 0.683 -0.014 0.002 7.3e-12 rs11104881 12 88843474 C T 0.702 -0.025 0.002 1.59e-34 rs2286146 13 114178222 A T 0.281 0.022 0.002 4.69e-28 rs3118899 13 14919294 A G 0.357 0.014 0.002 2.58e-13 rs76428106 13 28760490 G C T 0.013 0.158 0.009 2.54e-22 rs9508005 13 28789794 G T 0.094 -0.023 0.003 4.92e-11 rs3812849 13 74701736 C A 0.034 0.054 0.002 2.68e-13 rs9526795 13 52341181 C T 0.259 0.014 0.002 2.68e-13 rs2439963 13 78638416 G A 0.737 -0.012 0.002 2.68e-11 rs1298900 14 10385128 C G 0.701 0.002 0.002 5.85e-21 rs2439963 13 78638416 G A 0.737 -0.012 0.002 2.78e-20 rs2439748 14 105258892 T C 0.616 0.013 0.002 2.68e-11 rs759281 14 23756604 G A 0.672 -0.013 0.002 3.29e-09 rs12429714 13 99649831 T C 0.424 0.011 0.002 2.68e-11 rs759281 14 23756604 G A 0.672 -0.013 0.002 6.58e-21 rs2439800 14 25461898 C T 0.0616 0.013 0.002 6.59e-11 rs759281 14 23756604 G A 0.672 -0.013 0.002 6.59e-11 rs74903850 14 7556038 T C 0.616 0.013 0.002 6.59e-11 rs74903850 14 7556038 T C 0.666 0.015 0.002 4.59e-15 rs9323285 14 55863829 A C 0.338 0.015 0.002 4.59e-19 rs9323825 14 55863829 A C 0.338 0.015 0.002 6.59e-11 rs74908635 14 93516465 C T 0.0112 0.002 3.29e-09 rs2494748 14 1037076 C A 0.588 0.015 0.002 6.59e-11 rs7490386 14 7756078 C T 0.036 0.015 0.002 6.59e-14 rs2693094 17 5600424 G T 0.002 0.002 3.49e-19 rs600044 17 5600525 A C 0.003									
Fat2880347	rs11048425	12	26339986	G	С	0.491	0.013	0.002	1.03e-12
FST955734	rs1007938		26802549			0.405	-0.011	0.002	3.26e-09
F373108566	rs12580347	12	3388932	С	Τ	0.583	-0.012	0.002	3.28e-10
Fe2302900	rs7955734	12	4333159	G	С	0.210	-0.029	0.002	2.1e-37
Instraction	rs73108566	12	49080698	Α	Τ	0.331	-0.013	0.002	1.32e-10
Instraction	rs2302900	12	50599709	С	Т	0.341	0.019	0.002	3.69e-22
Instrict				Т		0.774			
Image: Color of the color of									
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F84761234									
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FS11104881 12 88843474 C									
F82265146									
F83118899									
RST6428106									
Figure 1									
RSP058005									
rs7326825 13 50113450 A G 0.704 0.021 0.002 1.73e-24 rs806316 13 50838230 G C 0.532 0.016 0.002 4.61e-18 rs9526795 13 52341181 C T 0.259 -0.014 0.002 2.68e-11 rs3812849 13 74701736 C A 0.267 0.020 0.002 3.58e-21 rs2439963 13 78638416 G A 0.737 -0.012 0.002 3.29e-09 rs12489001 14 1013835128 C G 0.701 0.019 0.002 2.45e-09 rs14989000 14 103835128 C G 0.701 0.019 0.002 7.85e-20 rs2494748 14 105258892 T C 0.616 0.013 0.002 1.35e-15 rs2303700 14 25461989 C T 0.395 0.034 0.002 4.53e-15									
RS806316									
RS9526795									
Fig. 13812849									
FS2439963									
FS12429714									
International Property									
rs12898000	rs12429714	13	99649831			0.424	-0.011	0.002	2.45e-09
RS2494748	rs10146962	14	101170540	С	T	0.338	-0.015	0.002	6.45e-15
rs7159281 14 23756604 G A 0.672 -0.013 0.002 1.35e-10 rs2038700 14 25461989 C T 0.395 0.034 0.002 4.61e-74 rs72664840 14 35596323 T C 0.179 0.021 0.002 8.44e-18 rs696 14 35871093 T C 0.366 0.015 0.002 8.19e-10 rs10138752 14 69179971 T C 0.077 -0.040 0.003 1.85e-31 rs4903580 14 77850978 T C 0.456 0.016 0.002 2.93e-18 rs2241621 14 81737076 C A 0.588 -0.015 0.002 2.93e-18 rs2180369 14 93516465 C T 0.111 0.023 0.003 7.65e-14 rs28576226 15 101713668 A G 0.122 0.031 0.002 2.93e-18	rs12898000	14	103835128	С	G	0.701	0.019	0.002	7.85e-20
rs2038700 14 25461989 C T 0.395 0.034 0.002 4.61e-74 rs72664840 14 35596323 T C 0.179 0.021 0.002 8.44e-18 rs696 14 35871093 T C 0.366 0.015 0.002 4.53e-15 rs9323285 14 55863829 A C 0.338 0.012 0.002 8.19e-10 rs10138752 14 69179971 T C 0.077 -0.040 0.003 1.85e-31 rs4903580 14 77850978 T C 0.456 0.016 0.002 2.93e-18 rs2241621 14 81737076 C A 0.588 -0.015 0.002 7.34e-16 rs10498635 14 93103309 T C 0.183 -0.015 0.002 7.54e-16 rs2480369 14 93516465 C T 0.111 0.023 0.003 7.65e-14	rs2494748	14	105258892	Τ	С	0.616	0.013	0.002	6.09e-11
rs72664840 14 35596323 T C 0.179 0.021 0.002 8.44e-18 rs696 14 35871093 T C 0.366 0.015 0.002 4.53e-15 rs9323285 14 55863829 A C 0.338 0.012 0.002 8.19e-10 rs10138752 14 69179971 T C 0.077 -0.040 0.003 1.85e-31 rs4903580 14 77850978 T C 0.456 0.016 0.002 2.93e-18 rs2241621 14 81737076 C A 0.588 -0.015 0.002 7.34e-16 rs10498635 14 93516465 C T 0.113 -0.031 0.002 6.58e-39 rs2180369 14 93516465 C T 0.111 0.023 0.003 7.65e-14 rs28576226 15 101713668 A G 0.706 0.014 0.002 1.14e-10	rs7159281	14	23756604	G	Α	0.672	-0.013	0.002	1.35e-10
rs696 14 35871093 T C 0.366 0.015 0.002 4.53e-15 rs9323285 14 55863829 A C 0.338 0.012 0.002 8.19e-10 rs10138752 14 69179971 T C 0.077 -0.040 0.003 1.85e-31 rs4903580 14 77850978 T C 0.456 0.016 0.002 2.93e-18 rs2241621 14 81737076 C A 0.588 -0.015 0.002 7.34e-16 rs10498635 14 93103309 T C 0.183 -0.031 0.002 7.34e-16 rs10498635 14 93103309 T C 0.183 -0.031 0.002 6.58e-39 rs2180369 14 93516465 C T 0.111 0.023 0.003 7.65e-14 rs28576226 15 101713668 A G 0.706 0.014 0.002 1.14e-10	rs2038700	14	25461989	С	Т	0.395	0.034	0.002	4.61e-74
rs9323285 14 55863829 A C 0.338 0.012 0.002 8.19e-10 rs10138752 14 69179971 T C 0.077 -0.040 0.003 1.85e-31 rs4903580 14 77850978 T C 0.456 0.016 0.002 2.93e-18 rs2241621 14 81737076 C A 0.588 -0.015 0.002 7.34e-16 rs10498635 14 93103309 T C 0.183 -0.031 0.002 6.58e-39 rs2180369 14 93516465 C T 0.111 0.023 0.003 7.65e-14 rs28576226 15 101713668 A G 0.122 0.031 0.003 6.14e-28 rs4924450 15 40597229 A G 0.706 0.014 0.002 1.14e-10 rs72726027 15 42248826 C T 0.112 -0.043 0.003 4.17e-48	rs72664840	14	35596323	Τ	С	0.179	0.021	0.002	8.44e-18
rs9323285 14 55863829 A C 0.338 0.012 0.002 8.19e-10 rs10138752 14 69179971 T C 0.077 -0.040 0.003 1.85e-31 rs4903580 14 77850978 T C 0.456 0.016 0.002 2.93e-18 rs2241621 14 81737076 C A 0.588 -0.015 0.002 7.34e-16 rs10498635 14 93103309 T C 0.183 -0.031 0.002 6.58e-39 rs2180369 14 93516465 C T 0.111 0.023 0.003 7.65e-14 rs28576226 15 101713668 A G 0.122 0.031 0.003 6.14e-28 rs4924450 15 40597229 A G 0.706 0.014 0.002 1.14e-10 rs72726027 15 42248826 C T 0.112 -0.043 0.003 4.17e-48	rs696	14	35871093	Т	С	0.366	0.015	0.002	4.53e-15
rs10138752 14 69179971 T C 0.077 -0.040 0.003 1.85e-31 rs4903580 14 77850978 T C 0.456 0.016 0.002 2.93e-18 rs2241621 14 81737076 C A 0.588 -0.015 0.002 7.34e-16 rs10498635 14 93103309 T C 0.183 -0.031 0.002 6.58e-39 rs2180369 14 93516465 C T 0.111 0.023 0.003 7.65e-14 rs28576226 15 101713668 A G 0.122 0.031 0.003 6.14e-28 rs4924450 15 40597229 A G 0.706 0.014 0.002 1.14e-10 rs72726027 15 42248826 C T 0.112 -0.043 0.003 4.17e-48 rs60695341 15 51010271 T C 0.197 -0.030 0.002 2.02e-12		14							
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rs2180369 14 93516465 C T 0.111 0.023 0.003 7.65e-14 rs28576226 15 101713668 A G 0.122 0.031 0.003 6.14e-28 rs4924450 15 40597229 A G 0.706 0.014 0.002 1.14e-10 rs72726027 15 42248826 C T 0.112 -0.043 0.003 4.17e-48 rs60695341 15 51010271 T C 0.197 -0.030 0.002 3.2e-38 rs780142 15 62797964 G T 0.274 0.015 0.002 2.02e-12 rs2062250 15 64672002 A G 0.938 0.051 0.004 2.12e-38 rs2469147 15 66910224 G A 0.158 -0.015 0.003 1.67e-09 rs62007171 15 77306285 C T 0.291 -0.015 0.002 2.13e-13									
rs28576226 15 101713668 A G 0.122 0.031 0.003 6.14e-28 rs4924450 15 40597229 A G 0.706 0.014 0.002 1.14e-10 rs72726027 15 42248826 C T 0.112 -0.043 0.003 4.17e-48 rs60695341 15 51010271 T C 0.197 -0.030 0.002 3.2e-38 rs780142 15 62797964 G T 0.274 0.015 0.002 2.02e-12 rs2062250 15 64672002 A G 0.938 0.051 0.004 2.12e-38 rs2469147 15 66910224 G A 0.158 -0.015 0.003 1.67e-09 rs62007171 15 77306285 C T 0.291 -0.015 0.002 6.22e-14 rs11854390 15 80224817 T C 0.562 0.014 0.002 2.13e-13									
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rs6500550 16 3746241 T C 0.304 -0.021 0.002 2.65e-24									
	rs6500550	16	3746241	T	С	0.304	-0.021	0.002	2.65e-24

rs75859969	16	50160737	С	Α	0.156	-0.017	0.003	5.94e-11
rs11644125	16	57058974	T	C	0.130	-0.017	0.003	6.36e-21
rs12918121	16	67187795	Τ̈́	C	0.597	-0.018	0.002	1.08e-12
rs117556162	16	67680806	A	G	0.057	0.027	0.004	1.99e-11
rs7198940	16	81605559	T	С	0.522	0.016	0.002	3.33e-17
rs247826	16	84582965	T	Ç	0.221	0.034	0.002	9.59e-52
rs9933582	16	86016026	G	T	0.230	0.021	0.002	9.18e-22
rs17232826	16	89842784	T	С	0.102	-0.022	0.003	1.6e-12
rs6502721	17	1362503	T	С	0.678	0.013	0.002	1.28e-10
rs12936529	17	16168784	T	С	0.479	-0.025	0.002	2.74e-42
rs146207734	17	16472850	Т	Α	0.017	-0.054	0.008	4.58e-11
rs4925108	17	17649423	Т	С	0.615	-0.017	0.002	2.67e-18
rs7225843	17	2001825	С	Т	0.203	-0.032	0.002	8.58e-43
rs756818	17	2711248	Α	G	0.172	0.017	0.002	2.01e-12
rs16964963	17	27603316	G	Α	0.173	0.022	0.002	2.54e-19
rs9900730	17	28179066	G	Α	0.504	0.023	0.002	1.57e-35
rs1034686	17	35899141	Α	Τ	0.584	-0.013	0.002	4.87e-13
rs12946510	17	37912377	Τ	С	0.472	-0.059	0.002	1e-200
rs74725931	17	38196327	С	Τ	0.037	0.061	0.005	3.65e-33
rs111975659	17	38570168	Т	С	0.027	-0.036	0.006	1.34e-09
rs34855406	17	40731411	С	G	0.275	0.016	0.002	5.42e-15
rs35592645	17	4616387	Α	С	0.249	0.017	0.002	2.38e-16
rs4790752	17	5115877	Т	С	0.451	-0.018	0.002	2.11e-21
rs56378716	17	56356502	G	A	0.013	0.108	0.008	1.7e-38
rs2665405	17	57875292	Α	G	0.548	0.035	0.002	5.63e-82
rs2084312	17	72695211	Т	С	0.800	0.029	0.002	7.67e-36
rs9900613	17	74674857	T	Č	0.431	-0.011	0.002	1.3e-09
rs8079218	17	76247744	Ġ	Ā	0.497	-0.015	0.002	1.11e-14
rs9747839	17	81084522	Ğ	С	0.476	0.019	0.002	4.46e-18
rs11874453	18	20750400	Ā	Ğ	0.533	-0.012	0.002	1.36e-09
rs303753	18	21074922	Α	Ğ	0.345	-0.020	0.002	1.78e-23
rs78285907	18	21622003	Т	Ā	0.089	0.020	0.003	3.1e-09
rs75354229	18	42078782	T	С	0.129	0.024	0.003	6.22e-19
rs8084255	18	48144754	Ť	Č	0.376	0.020	0.002	1.26e-25
rs527544	18	51762866	Ť	Ğ	0.427	0.014	0.002	8.21e-13
rs17758695	18	60920854	Ť	Č	0.029	-0.056	0.006	1.67e-22
rs12956324	18	67537270	À	Č	0.403	0.014	0.002	2.1e-13
rs72973711	18	74072245	T	Ä	0.067	-0.032	0.004	1.28e-17
rs7246841	19	1030431	Ċ	T	0.731	0.022	0.002	3.78e-24
rs2358581	19	10391611	Ğ	Ť	0.733	-0.028	0.002	9.36e-38
rs56121005	19	11414706	T	Ċ	0.023	0.040	0.007	3.03e-09
rs2290669	19	16495774	Ċ	Ä	0.786	-0.048	0.002	1.52e-94
rs4808683	19	17862925	Ğ	Ċ	0.458	-0.013	0.002	8.23e-12
rs4805881	19	33896432	Č	A	0.665	-0.016	0.002	1.32e-16
rs2194067	19	35464727	T	Ĉ	0.416	0.013	0.002	2.31e-11
rs4760	19	44153100	Ġ	A	0.410	-0.070	0.002	2.21e-161
rs73036517	19	45744842	G	Ā	0.155	-0.053	0.003	1.08e-137
rs309190	19	47629264	C	Ť	0.239	-0.033	0.002	7.05e-137
rs2617802	19	49114479	Ğ	Ť	0.034	-0.030	0.003	1.59e-10
rs35112940	19	51738917	A	Ġ	0.207	-0.013	0.002	5.21e-31
rs571497								
	19 1	7827830	A	G T	0.155	-0.036	0.003	6.32e-45
rs34202160 rs6696259	1 1	101102673 101221482	G C	G	0.358	-0.015	0.002	8.34e-15
					0.409	0.018	0.002	3.74e-22
rs284317	1	10731625	G	A	0.498	0.017	0.002	3.52e-19
rs9429767	1	110496087	A	G	0.197	0.017	0.002	1.03e-13
rs630505	1	111737916	С	Т	0.265	0.012	0.002	3.13e-09

rs2476601	1	114377568	G	Α	0.900	0.053	0.003	3.35e-67
rs4970996	1	150506589	C	G	0.900	0.033	0.003	8.97e-13
rs568035	1	156110167	T	C	0.751	-0.025	0.002	9.21e-12
rs34599082	1	159175494	Ϋ́	C	0.007	-0.025	0.004	1.93e-77
rs11587213	1	161184875	G	A	0.182	-0.020	0.002	7.7e-17
rs61804160	1	161620089	Α	T	0.140	-0.030	0.003	8.08e-29
rs12737843	1	167010375	C	T	0.202	0.014	0.002	5.1e-10
rs3795503	1	180905694	T	С	0.315	-0.015	0.002	1.83e-14
rs1779809	1	182145545	T	С	0.334	0.014	0.002	1.36e-13
rs41272536	1	183440531	G	Α	0.046	-0.034	0.005	3.65e-13
rs10494783	1	198663661	Α	G	0.052	-0.044	0.004	4.43e-26
rs4844565	1	207227138	Τ	Α	0.410	-0.011	0.002	1.01e-09
rs4844390	1	207934849	G	Α	0.220	-0.027	0.002	4.97e-33
rs35571080	1	224637790	С	Т	0.213	0.025	0.002	1.32e-28
rs2615061	1	225895806	Α	G	0.117	-0.028	0.003	3.82e-22
rs6426584	1	227374949	Т	Α	0.335	-0.012	0.002	3.66e-09
rs533483	1	234765256	Α	G	0.243	-0.017	0.002	1.91e-15
rs1886654	1	236105910	С	Τ	0.892	-0.057	0.003	5.08e-84
rs6684709	1	23850023	С	G	0.620	-0.021	0.002	1.84e-27
rs34298354	1	247588053	Т	С	0.124	-0.024	0.003	5.9e-18
rs56188865	1	247606276	С	Τ	0.374	-0.027	0.002	7e-46
rs4925756	1	248048016	Т	С	0.692	-0.015	0.002	3.83e-13
rs35755865	1	27140060	Т	С	0.034	-0.041	0.005	3.18e-16
rs7549164	1	31224193	Т	C	0.189	0.025	0.002	1.33e-24
rs3917932	1	36943916	G	С	0.577	-0.045	0.002	1.22e-127
rs6667709	1	42201943	Т	С	0.370	-0.014	0.002	6.3e-13
rs3754224	1	43423622	Ċ	Ť	0.271	-0.015	0.002	4.3e-12
rs74076327	1	56979431	Č	Ť	0.045	-0.029	0.004	1.55e-10
rs1933295	1	62107021	Ğ	À	0.777	-0.016	0.002	1.81e-11
rs10889574	1	66149341	Ä	Ğ	0.357	-0.044	0.002	6.64e-106
rs61780038	1	67487376	A	Č	0.565	-0.017	0.002	2.99e-16
rs41313381	1	79411968	A	Č	0.030	0.048	0.006	1.47e-18
rs301819	1	8501786	G	Ä	0.583	-0.016	0.002	3.12e-17
rs10864368	1	8918313	Č	T	0.503	0.022	0.002	1.15e-31
rs12138789	1	9192307	Č	Ť	0.238	-0.015	0.002	2.08e-11
rs150649461	1	92925654	Č	Ġ	0.235	0.068	0.002	1.33e-17
rs9430574	1	9709072	A	G	0.330	-0.014	0.002	1.55e-17
rs34952318	20	11177055	A	G	0.050	-0.033	0.002	4.24e-14
rs6045615	20	1931582	Ĉ	A	0.330	-0.033	0.004	1.99e-22
rs4815552	20	2833578	G	A	0.351	0.013	0.002	7.61e-10
rs6059938	20	33187130	_		0.486	0.012	0.002	4.74e-09
rs67139609	20	36888321	A G	G C	0.466	0.017	0.002	4.74e-09 2.47e-10
rs6029234	20	39259278	C	G	0.143	0.017	0.003	7.57e-37
rs763227								
	20	42205061	A	G	0.786	0.014	0.002	1.93e-09
rs2904270	20	49185272	A	G	0.517	-0.015	0.002	1.03e-16
rs2327028	20	8140925	T	С	0.476	-0.013	0.002	3.36e-13
rs4432538	20	8607393	Α	G	0.509	-0.022	0.002	2.22e-33
rs28574812	21	16384940	G	Α	0.158	-0.016	0.003	2.66e-10
rs9977672	21	40463283	Α	G	0.259	-0.022	0.002	7.08e-25
rs35990176	21	44472118	С	A	0.451	0.012	0.002	6.46e-10
rs2839166	21	47656712	С	T	0.398	-0.016	0.002	2.97e-17
rs5746451	22	18126020	C	Ţ	0.504	0.020	0.002	4.61e-26
rs448184	22	18293967	T	Α	0.368	0.015	0.002	1.61e-13
rs34505104	22	24624609	G	Α	0.305	-0.020	0.002	3.36e-23
rs9625746	22	29637658	С	G	0.412	-0.018	0.002	8.77e-22
rs2857633	22	30114333	С	Т	0.727	-0.013	0.002	2.52e-10

rs2180142	22	31855248	Α	T	0.051	-0.025	0.004	3.17e-09
rs713909	22	39532420	С	G	0.432	-0.020	0.002	2.75e-26
rs1033415	22	39888774	G	Α	0.650	0.013	0.002	6.01e-10
rs47341	22	43560763	Τ	С	0.396	0.016	0.002	1.01e-15
rs2076211	22	44329078	Τ	С	0.158	-0.018	0.003	1.53e-12
rs796056	2	101735276	С	Α	0.623	0.021	0.002	2.31e-27
rs6543094	2	102372131	С	Т	0.772	0.019	0.002	1.86e-17
rs75726191	2	112914684	Τ	С	0.136	0.024	0.003	1.22e-16
rs6734238	2	113841030	G	Α	0.402	0.036	0.002	2.59e-77
rs11688303	2	128410244	Τ	С	0.120	0.021	0.003	3.19e-13
rs1863176	2	12931092	С	G	0.497	0.019	0.002	6.27e-24
rs79716587	2	143886819	Α	G	0.124	-0.036	0.003	9.22e-37
rs1371045	2	145787050	С	Τ	0.744	-0.014	0.002	1.26e-11
rs114427331	2	153381036	G	С	0.038	-0.036	0.005	6.36e-14
rs2729707	2	160687231	G	Α	0.830	-0.031	0.002	1.28e-36
rs6746368	2	161222998	Τ	Α	0.334	0.011	0.002	4.36e-09
rs2068330	2	163237390	G	С	0.361	0.019	0.002	2.87e-22
rs4632345	2	16702654	Α	G	0.678	-0.014	0.002	3.75e-12
rs527393	2	169709757	Α	G	0.468	-0.022	0.002	4.34e-33
rs17270882	2	182218046	С	G	0.239	0.031	0.002	4.07e-46
rs7573465	2	182315885	Т	G	0.554	0.036	0.002	4.66e-83
rs8176528	2	188345017	Α	G	0.297	-0.017	0.002	6.31e-17
rs12997100	2	192522423	С	T	0.071	0.027	0.004	9.38e-14
rs10931934	2	202119789	Č	Ť	0.600	0.015	0.002	1.38e-15
rs1047891	2	211540507	Ā	C	0.315	-0.021	0.002	1.6e-26
rs10203838	2	213935900	C	Ť	0.418	0.012	0.002	4.66e-11
rs1250215	2	216253039	Č	Ġ	0.641	0.012	0.002	1.08e-09
rs114050631	2	219020958	Ť	Č	0.011	-0.138	0.010	1.38e-45
rs58106596	2	232579379	À	Ğ	0.227	-0.024	0.002	1.85e-25
rs10164769	2	237779229	T	Č	0.743	0.027	0.002	7.73e-38
rs1260326	2	27730940	Ċ	Ť	0.601	-0.033	0.002	9.83e-69
rs4666068	2	28623982	Ğ	À	0.509	-0.012	0.002	1.15e-10
rs633323	2	31463044	Ť	A	0.698	0.015	0.002	2.87e-13
rs935655	2	46067445	Ġ	T	0.762	0.015	0.002	8.11e-12
rs75475627	2	54787592	Ğ	Ċ	0.077	0.033	0.004	1.92e-20
rs10208769	2	61605614	Ä	T	0.516	0.022	0.002	6.48e-33
rs6731993	2	65642097	T	À	0.408	0.023	0.002	3.7e-33
rs60190483	2	70385245	Ċ	T	0.057	-0.031	0.004	2.43e-15
rs7639292	3	107295665	Ť	Ċ	0.168	-0.024	0.002	2.48e-22
rs13321783	3	119615375	Ċ	T	0.394	-0.012	0.002	1.58e-09
rs1822534	3	12266804	Ğ	À	0.394	-0.026	0.002	8.29e-43
rs3773312	3	12946142	Ä	Ğ	0.134	0.018	0.002	3.67e-10
rs78208917	3	132229708	G	Ä	0.090	0.026	0.003	7.98e-16
rs2012610	3	140933565	T	Ğ	0.127	0.028	0.003	2.99e-23
rs9819371	3	141206800	Ť	C	0.065	-0.044	0.004	5.94e-32
rs73028871	3	14277058	Ť	Č	0.134	-0.017	0.003	9.3e-10
rs6440732	3	150990510	Ä	Č	0.134	0.023	0.003	1.35e-21
rs56082403	3	156797225	Ĉ	T	0.405	0.025	0.002	5.5e-15
rs10936588	3	169319801	A	Ġ	0.403	-0.014	0.002	6.95e-14
rs4074672	3	183730295	Ť	C	0.030	0.014	0.002	3.87e-21
	3		Τ̈́					
rs9867398		185912816		С	0.094	0.022	0.003	2.8e-12
rs2268829	3 3	185989567	A	G	0.785	-0.014	0.002	2.66e-10
rs9829114		196518623	A	G	0.414	-0.034	0.002	7.45e-72
rs11927257	3	27334294	T	С	0.282	-0.013	0.002	2.97e-10
rs2371108	3	27757018	Ţ	G	0.389	0.019	0.002	3.11e-24
rs11706384	3	39296881	Т	G	0.236	0.016	0.002	1.72e-13

FST366045 3 42909050 C T 0.384 0.025 0.002 5.44e-39 5.46e-79 5.46e									
Image: Page 14 Image: Page 24 Image: Page 24 Image: Page 25 Imag									
rs832190 3 63842629 T C 0.633 -0.013 0.002 3.88e-12 rs8350232 3 71355240 C G 0.027 0.040 0.006 5.47e-11 rs830623 3 71677746 C A 0.170 0.014 0.002 3.88e-09 rs14373633 4 105806108 T A 0.026 -0.051 0.006 3.24e-16 rs1006495 4 120263315 G T 0.334 -0.016 0.002 1.35e-15 rs11735662 4 146926126 T C 0.033 0.052 0.004 4.74e-24 rs2305980 4 151171269 A T 0.255 0.014 0.002 6.67e-11 rs84811179 4 26295540 G C 0.047 0.016 0.002 4.76e-16 rs7391188 4 3105200 A G 0.353 -0.016 0.002 1.23e-17 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>									
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FASTOLITIES	rs35592432		71355240	С	G	0.027	0.040	0.006	5.47e-11
Institution	rs830623		71677746	С	Α	0.170	0.014	0.002	3.88e-09
Institution	rs4504118	3	98422588	С	G	0.559	0.013	0.002	6.34e-12
Instruction	rs113473633	4	103449131	G	Α	0.026	-0.051	0.006	3.24e-16
F311735662	rs144317085	4	105806108	Τ	Α	0.034	0.050	0.005	3e-22
F311735662	rs10006495	4	120263315	G	Т	0.354	-0.016	0.002	1.35e-15
Incompage	rs11735662	4			С				
rs6854855									
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rs35734242 4 706700 C T 0.428 0.022 0.002 6.3e-29 rs16846876 4 72592491 T A 0.329 -0.021 0.002 7.39e-27 rs16850408 4 74932807 A C 0.369 0.059 0.002 1e-200 rs4640621 4 80946541 C A 0.632 -0.013 0.002 2.01e-11 rs116746683 4 83471084 T C 0.063 -0.030 0.004 7.86e-15 rs10028284 4 89752913 T A 0.177 -0.015 0.002 3.25e-10 rs28378092 4 90228807 T C 0.484 0.014 0.002 1.64e-15 rs4535497 5 1107428 A C 0.570 -0.013 0.002 2.34e-11 rs79692389 5 111033606 C G 0.061 0.026 0.004 9.39e-12 <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>									
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rs9487043 6 109610474 T C 0.487 0.023 0.002 4.35e-36									
rs10872223 6 121814703 T C 0.183 0.014 0.002 3.57e-09									
	rs10872223	6	121814703	Т	С	0.183	0.014	0.002	3.57e-09

rs549302	6	122734972	Α	G	0.545	0.020	0.002	8.48e-28
rs9375447	6	126874091	G	Ä	0.495	-0.014	0.002	6.34e-14
rs7776054	6	135418916	Ğ	A	0.261	-0.047	0.002	2.48e-110
rs12214269	6	135846518	A	Ğ	0.546	0.047	0.002	5.06e-23
rs6924387	6	137082948	G	A	0.412	0.017	0.002	1.48e-18
rs72978754	6	138053203	C	Ť	0.066	-0.028	0.002	2.45e-14
rs9390461	6	147701217	G	Ä	0.538	0.028	0.004	8.51e-17
rs7751717	6	153005229	A	Ğ	0.336	-0.013	0.002	2.23e-09
rs1738074	6		C	T				
rs1322599		159465977	T		0.568	-0.020	0.002	3.74e-28
	6	16758425		С	0.174	-0.031	0.002	9.97e-36
rs73735248	6	21809195	T	С	0.159	0.015	0.003	9.08e-10
rs75628831	6	22316185	A	G	0.086	0.031	0.003	4.98e-20
rs707910	6	29910663	A	G	0.187	-0.073	0.002	1e-200
rs114892859	6	31369278	T	G	0.019	-0.085	0.007	1.92e-35
rs9394299	6	35449326	T	С	0.104	-0.028	0.003	1.21e-19
rs12203592	6	396321	T	С	0.210	0.022	0.002	1.61e-21
rs10948036	6	42510305	Α	Ç	0.210	0.023	0.002	1.97e-24
rs17713864	6	43695465	G	Α	0.029	0.035	0.005	1.54e-10
rs998584	6	43757896	Α	С	0.484	0.016	0.002	9.24e-17
rs729761	6	43804571	G	Т	0.713	0.015	0.002	3.38e-13
rs639728	6	44239922	Т	С	0.441	-0.012	0.002	5.99e-10
rs1285886	6	7140831	Α	G	0.197	0.026	0.002	5.1e-30
rs4707609	6	90946479	С	Τ	0.360	-0.021	0.002	3.21e-28
rs10808139	7	104709946	Α	G	0.119	0.018	0.003	6.06e-10
rs342294	7	106372622	С	Τ	0.456	-0.017	0.002	4.9e-21
rs38859	7	116379094	Т	С	0.449	0.011	0.002	9.71e-10
rs9656395	7	130575884	G	Α	0.095	-0.028	0.003	2.97e-18
rs7803075	7	130742066	G	Α	0.734	-0.024	0.002	5.47e-31
rs13231262	7	148886058	Т	С	0.656	-0.016	0.002	3.99e-16
rs4721659	7	17869147	G	Τ	0.123	-0.018	0.003	5.3e-11
rs7776857	7	22754768	Т	G	0.658	-0.019	0.002	1.89e-21
rs7792934	7	2393016	G	Α	0.789	-0.015	0.002	4.69e-11
rs798555	7	2759473	С	Т	0.295	0.019	0.002	4.81e-20
rs2158799	7	28277107	G	С	0.612	0.043	0.002	7.86e-114
rs56388170	7	28724374	Т	G	0.295	0.059	0.002	2.73e-185
rs2710804	7	36084529	С	Т	0.376	0.021	0.002	1.92e-27
rs10260281	7	38270550	С	G	0.237	0.013	0.002	5.33e-10
rs3735485	7	45009341	G	A	0.845	0.041	0.003	2.34e-57
rs2692540	7	47465325	Ğ	С	0.428	-0.011	0.002	1.19e-09
rs6583435	7	50293405	Ä	Č	0.680	0.017	0.002	8.7e-18
rs4948097	7	56056571	G	Ä	0.758	-0.018	0.002	3.03e-16
rs12540307	7	65662767	Ť	C	0.049	-0.039	0.004	4.76e-18
rs1474419	7	6692605	Ċ	Ť	0.580	0.018	0.002	3.11e-22
rs62466318	7	73042085	T	Ċ	0.202	-0.021	0.002	9.8e-19
rs7781268	7	75748183	À	Ğ	0.246	-0.013	0.002	3.66e-09
rs60466842	7	8024840	A	C	0.088	-0.030	0.002	1.04e-19
rs4272	7	92236829	Ĝ	A	0.213	0.035	0.003	2.41e-54
rs445	7	92408370	T	Ĉ	0.213	-0.095	0.002	1e-200
rs12538820	7	99340049	A	Ğ	0.033	-0.033	0.003	1.62e-10
rs77912140	8		Ğ		0.113	0.027	0.003	
		100824826		A				1.66e-09
rs3847147	8	105784723	A	G	0.307	-0.012	0.002	2.99e-09
rs17209630	8	106296090	A	G	0.281	0.014	0.002	3.25e-12
rs11250076	8	10647823	G	A	0.575	0.021	0.002	2.44e-30
rs4734879	8	106583124	G	A	0.276	-0.022	0.002	1.34e-26
rs71510325	8	126298640	T	С	0.597	0.014	0.002	3.34e-13
rs10087240	8	129012574	Т	С	0.458	0.020	0.002	6.13e-27

rs145209947	8	130694185	Α	С	0.014	-0.075	0.009	3.19e-18
rs7018391	8	131243506	Ĉ	Ğ	0.140	0.016	0.003	3.26e-09
rs7005996	8	142241681	T	C	0.906	0.024	0.003	4.06e-13
rs6985508	8	142337734	Ä	Ğ	0.358	-0.027	0.003	1.57e-39
rs12550612	8	22966769	Ā	G	0.821	-0.027	0.002	1.09e-41
	8		C					
rs755951		27226790		A	0.403	-0.013	0.002	1.02e-12
rs13248936	8	30316162	G	A	0.498	0.013	0.002	1.17e-12
rs6474514	8	38835269	С	T	0.412	0.011	0.002	3.59e-09
rs28571765	8	55449281	С	T	0.207	-0.022	0.002	1.32e-20
rs1511724	8	56796697	G	С	0.422	-0.017	0.002	1.15e-18
rs2875974	8	61419728	A	G	0.373	0.021	0.002	3.54e-29
rs7846314	8	61650831	T	Α	0.187	0.047	0.002	5.71e-88
rs4276676	8	68795618	С	T	0.469	-0.019	0.002	2.22e-25
rs12716647	8	6901304	С	G	0.638	0.012	0.002	1.12e-10
rs1947897	8	78946874	С	G	0.336	-0.014	0.002	1.71e-13
rs62510269	8	79012343	G	Α	0.146	-0.036	0.003	1.77e-43
rs10102877	8	79598362	Α	G	0.685	-0.013	0.002	3.91e-11
rs7864482	9	102268861	G	Α	0.377	0.013	0.002	2e-11
rs12683699	9	112738298	G	Α	0.160	0.022	0.003	5.16e-18
rs10980797	9	113912553	G	Α	0.488	-0.027	0.002	1.19e-48
rs7855091	9	114655098	Α	G	0.307	0.015	0.002	1.11e-13
rs12343532	9	115978022	Α	Τ	0.272	-0.015	0.002	2.49e-13
rs10986338	9	127191232	Α	G	0.650	-0.017	0.002	1.93e-17
rs2519093	9	136141870	Т	С	0.186	-0.041	0.002	8.55e-68
rs2506699	9	136946799	G	Α	0.484	0.014	0.002	4.87e-14
rs4413892	9	139330158	Α	G	0.276	0.031	0.002	2.87e-46
rs41317014	9	139929080	Т	C	0.248	-0.020	0.002	3.25e-19
rs7036656	9	21990457	Т	С	0.722	0.028	0.002	1.25e-42
rs12376511	9	22142756	Ċ	Ť	0.164	-0.034	0.002	6.16e-43
rs34881325	9	2622134	Ť	Ċ	0.379	0.017	0.002	1.16e-18
rs13291664	9	282738	Ġ	Ä	0.187	0.026	0.002	1.57e-28
rs3793537	9	35687556	Č	G	0.290	0.020	0.002	1.53e-22
rs10973700	9	38196117	Č	Ğ	0.486	-0.013	0.002	1.36e-12
rs447124	9	4746539	Ť	Č	0.491	0.017	0.002	4.86e-20
rs1887428	9	4984530	Ċ	Ğ	0.625	-0.015	0.002	9.58e-15
rs626416	9	79326680	Č	Ğ	0.763	-0.017	0.002	2.81e-14
rs796003	9	86595801	T	Ğ	0.258	-0.025	0.002	8.84e-33
rs4877024	9	91520860	Ġ	A	0.381	-0.023	0.002	5.91e-10
rs10992394	9	95433830	A	Ĝ	0.230	0.012	0.002	2.14e-12
rs28821528	6	32528913	A	G	0.412	-0.036	0.002	3.23e-45
rs4746522	10	64437684	Ā		0.412	0.030	0.003	7.17e-10
rs71468750	11	120205560		G G	0.278	0.013	0.002	1.39e-11
rs14408	11	308314	A C	T	0.413	0.014	0.002	2.97e-93
rs374039502				Ť				2.97e-93 2.13e-20
	13	108960385	A		0.022	-0.065	0.007	
rs576566496	17	38140269	A	G	0.026	0.087	0.006	3.22e-42
rs79135050	17	38215203	С	A	0.030	0.068	0.006	1.44e-28
rs76306941	17	61944620	G	T	0.581	-0.012	0.002	1.04e-09
rs55874505	18	43816804	G	T	0.584	-0.019	0.002	5.5e-20
rs74176367	19	1180039	C	T	0.355	0.014	0.002	2.58e-10
rs143998157	1	161561236	T	C	0.392	-0.014	0.002	2.54e-11
rs6676472	1	200294113	Т	С	0.712	0.014	0.002	1.96e-11
rs7554039	1	22303188	A	G	0.243	0.016	0.002	1.15e-12
rs140958972	1	46428213	G	Α	0.435	-0.020	0.002	6.18e-25
rs12121236	1	56617911	Α	С	0.352	0.015	0.002	4.41e-14
rs3016112	22	17517388	Т	С	0.750	-0.018	0.002	9.57e-16
rs58270357	2	112236636	Т	С	0.081	-0.026	0.004	4.03e-10

rs377110161	2	23963462	G	Α	0.128	0.037	0.003	1.56e-36
rs4599108	2	85543222	Т	С	0.488	-0.016	0.002	1.31e-16
rs150918492	3	128389659	Α	G	0.265	-0.027	0.002	9.95e-36
rs13063578	3	47087837	Α	Τ	0.401	0.029	0.002	1.25e-44
rs11130982	3	64728312	G	Τ	0.700	0.012	0.002	3.53e-09
rs11960649	5	148203144	С	Α	0.553	-0.020	0.002	3.58e-24
rs13165502	5	54972181	Α	Τ	0.652	-0.014	0.002	9.3e-12
rs66514959	5	68611583	Α	G	0.444	-0.022	0.002	5.66e-30
rs71536939	6	170486950	G	Α	0.783	0.018	0.003	2.38e-11
rs76819034	6	32457814	С	Τ	0.437	0.070	0.002	1e-200
rs573635286	6	32489556	Τ	G	0.238	-0.074	0.003	1.61e-144
rs1761678	6	7090640	Т	G	0.871	-0.020	0.003	2.25e-11
rs201150852	6	87837608	С	Τ	0.458	-0.017	0.002	3.78e-18
rs28555390	7	137607217	Τ	С	0.620	0.012	0.002	2.31e-09
rs10104995	8	103901234	Т	С	0.231	-0.022	0.002	4.74e-21
rs59697075	8	130618150	Т	С	0.587	-0.039	0.002	1.82e-85
rs10808538	8	87169063	Α	G	0.296	0.013	0.002	3.6e-10
rs10815052	9	4648694	Т	С	0.453	-0.012	0.002	1.28e-09
rs1288649	9	91426717	G	Τ	0.612	-0.021	0.002	7.74e-25
rs6502497	17	16102530	D	- 1	0.464	0.021	0.002	5.67e-24
rs2409752	8	11092685	D	l	0.535	0.017	0.002	4.18e-16

Table S14. 347 SNPs significantly associated with eosinophil percentage of white cells used IVs in forward MR analyses derived from Vuckovic D et al. Chr: Chromosome; EA: Effect allele; NEA: Non-effect allele; EAF: Effect allele frequency.

Chromosome	e; EA	: Effect allel	<u>e; N</u>	EA: No	on-effe	ct allele	;	Effect alle
SNP	Chr	Pos	EΑ	NEA	EAF	Beta	SE	P-value
rs159963	1	8504421	Α	С	0.583	0.025	0.002	1.4e-30
rs4908832	1	9338959	Τ	С	0.387	0.016	0.002	1.2e-13
rs57959755	1	9358890	Α	G	0.162	0.018	0.003	8.3e-10
rs35249183	1	12099345	G	Α	0.100	0.038	0.004	1.8e-25
rs10799794	1	23701118	Α	С	0.736	-0.014	0.002	4.2e-09
rs2229586	1	24200903	С	Ğ	0.570	0.022	0.002	2.5e-24
rs7416513	1	26647949	Č	Ğ	0.762	-0.017	0.002	1.5e-11
rs76022305	1	28631300	Ť	C	0.069	-0.032	0.004	2.8e-14
rs1004870	1	42370787	Ť	Č	0.589	0.024	0.002	3.3e-29
rs567910619	1	65210790	Ť	Č	0.011	-0.080	0.011	1.5e-13
rs12408934	1	65423447	À	Ğ	0.103	-0.047	0.004	9.3e-41
rs2802469	1	66017386	T	Č	0.644	-0.014	0.002	1.4e-10
rs6672038	1	87751670	Ť	Č	0.119	0.039	0.003	1e-32
rs1088318	1	93733057	Ť	Č	0.379	-0.021	0.002	2.1e-22
rs76336747	1	101648318	À	Ğ	0.114	-0.043	0.003	2.8e-38
rs2793925	1	120652158	A	Ť	0.684	0.017	0.002	7.1e-14
rs2596251	1	145103928	A	Ġ	0.388	0.020	0.002	4.6e-09
rs11204682	1	150595537	T	G	0.223	-0.035	0.003	2.8e-41
rs111548294	1	150933337	Τ̈́	C	0.223	0.078	0.010	2.6e-16
rs2242193	1	154995503	Å	G	0.420	0.076	0.002	2.1e-11
rs6672031	1	172796505	Ĝ	C	0.420	0.013	0.002	4.8e-21
rs1099448	1	173231898	T	C	0.467	0.020	0.002	1.1e-19
rs6658698	1	181060791	À	Ğ	0.618	-0.015	0.002	5.5e-12
rs17668272	1	198623842	T	G	0.118	-0.043	0.002	2.8e-39
rs1036332	1	199012478	Ċ	Ä	0.738	-0.033	0.002	1.5e-42
rs10900595	1	204511602	Ä	C	0.713	0.016	0.002	3.9e-12
rs3849269	1	206676143	T	č	0.530	-0.013	0.002	2.1e-09
rs59150958	1	221106304	Ť	Č	0.152	-0.026	0.003	1.8e-18
rs12142635	1	226976332	À	Č	0.057	-0.030	0.005	1.3e-10
rs4362021	1	234696177	A	Ť	0.534	0.013	0.002	4.4e-09
rs4660129	1	236094087	G	À	0.892	0.025	0.003	1.9e-13
rs4149909	1	242023898	Ğ	A	0.033	-0.040	0.006	2.9e-11
rs346835	2	8438693	Ť	C	0.329	-0.027	0.002	3.7e-32
rs62105489	2	8757326	T	C	0.053	-0.030	0.005	5.6e-10
rs780092	2	27743154	Ġ	Ā	0.161	0.021	0.003	2e-13
rs11127154	2	28685967	Т	Α	0.492	-0.023	0.002	1.9e-25
rs336039	2	38258827	Т	С	0.599	-0.013	0.002	2e-09
rs77059113	2	43672508	G	Т	0.073	-0.032	0.004	1.7e-15
rs11126037	2	65663158	Α	С	0.327	-0.014	0.002	2.7e-10
rs6546661	2	71277382	С	Т	0.304	-0.017	0.002	1.7e-13
rs11126424	2	74262353	С	Т	0.306	-0.016	0.002	1.2e-12
rs2366640	2	85810734	С	Α	0.319	-0.014	0.002	2.8e-09
rs2579500	2	97201682	Α	G	0.390	0.050	0.002	9.7e-116
rs6543250	2	98640981	G	Α	0.604	-0.015	0.002	2.1e-11
rs55948744	2	102805911	G	T	0.052	0.030	0.005	9.7e-10
rs12470864	2	102926362	Α	G	0.388	0.069	0.002	1e-200
rs66494224	2	112002314	С	Т	0.226	0.031	0.003	1e-34
rs4848100	2	112388532	Т	С	0.768	0.028	0.003	3.1e-29
rs1257192	2	134991024	G	Α	0.812	0.017	0.003	2.3e-10
rs4954388	2	136808142	Т	С	0.772	-0.016	0.003	3.2e-10
rs12472034	2	136828273	G	С	0.324	-0.014	0.002	5.3e-10

rs1427508 2 145367024 A T 0.826 0.021 0.003 4.1e-14 rs10195713 2 158520905 T C 0.864 0.031 0.003 1.4e-22 rs6734311 2 182139508 A T 0.630 0.013 0.002 2.5e-09 rs539299744 2 197006644 T A 0.135 -0.021 0.003 1.5e-11 rs1263595 2 207947633 C T 0.287 -0.014 0.002 2.9e-09 rs715 2 211543055 C T 0.311 0.025 0.002 4e-28 rs12619285 2 213824045 G A 0.265 -0.063 0.002 8.1e-151 rs34855578 2 231114990 G C 0.186 0.026 0.003 1.7e-21 rs34290285 2 2342698640 A G 0.256 -0.046 0.002 4.4e-80 r
rs6734311 2 182139508 A T 0.630 0.013 0.002 2.5e-09 rs539299744 2 197006644 T A 0.135 -0.021 0.003 1.5e-11 rs1263595 2 207947633 C T 0.287 -0.014 0.002 2.9e-09 rs715 2 211543055 C T 0.311 0.025 0.002 4e-28 rs12619285 2 213824045 G A 0.265 -0.063 0.002 4e-28 rs34895578 2 231114990 G C 0.186 0.026 0.003 1.7e-21 rs1057258 2 234115629 T C 0.178 -0.037 0.003 1.3e-41 rs34290285 2 242698640 A G 0.256 -0.046 0.002 4.4e-80 rs76474320 2 242806022 C T 0.078 0.033 0.004 1.1e-16 rs13
rs539299744 2 197006644 T A 0.135 -0.021 0.003 1.5e-11 rs1263595 2 207947633 C T 0.287 -0.014 0.002 2.9e-09 rs715 2 211543055 C T 0.311 0.025 0.002 4e-28 rs12619285 2 213824045 G A 0.265 -0.063 0.002 8.1e-151 rs35409523 2 213908457 A G 0.076 0.054 0.004 1.1e-40 rs34855578 2 231114990 G C 0.186 0.026 0.003 1.7e-21 rs1057258 2 234115629 T C 0.178 -0.037 0.003 1.3e-41 rs34290285 2 242698640 A G 0.256 -0.046 0.002 4.4e-80 rs76474320 2 242806022 C T 0.078 0.033 0.004 1.1e-16
rs1263595 2 207947633 C T 0.287 -0.014 0.002 2.9e-09 rs715 2 211543055 C T 0.311 0.025 0.002 4e-28 rs12619285 2 213824045 G A 0.265 -0.063 0.002 8.1e-151 rs35409523 2 213908457 A G 0.076 0.054 0.004 1.1e-40 rs34855578 2 231114990 G C 0.186 0.026 0.003 1.7e-21 rs1057258 2 234115629 T C 0.178 -0.037 0.003 1.3e-41 rs34290285 2 242698640 A G 0.256 -0.046 0.002 4.4e-80 rs76474320 2 242806022 C T 0.078 0.033 0.004 1.1e-16 rs13084872 3 3068148 T C 0.359 0.014 0.002 3.5e-10 rs67
rs715 2 211543055 C T 0.311 0.025 0.002 4e-28 rs12619285 2 213824045 G A 0.265 -0.063 0.002 8.1e-151 rs35409523 2 213908457 A G 0.076 0.054 0.004 1.1e-40 rs34855578 2 231114990 G C 0.186 0.026 0.003 1.7e-21 rs1057258 2 234115629 T C 0.178 -0.037 0.003 1.3e-41 rs34290285 2 242698640 A G 0.256 -0.046 0.002 4.4e-80 rs76474320 2 242806022 C T 0.078 0.033 0.004 1.1e-16 rs13084872 3 3068148 T C 0.359 0.014 0.002 3.5e-10 rs6787336 3 3153194 A G 0.287 0.037 0.002 5.6e-55 rs73019
rs12619285 2 213824045 G A 0.265 -0.063 0.002 8.1e-151 rs35409523 2 213908457 A G 0.076 0.054 0.004 1.1e-40 rs34855578 2 231114990 G C 0.186 0.026 0.003 1.7e-21 rs1057258 2 234115629 T C 0.178 -0.037 0.003 1.3e-41 rs34290285 2 242698640 A G 0.256 -0.046 0.002 4.4e-80 rs76474320 2 242806022 C T 0.078 0.033 0.004 1.1e-16 rs13084872 3 3068148 T C 0.359 0.014 0.002 3.5e-10 rs6787336 3 3153194 A G 0.287 0.037 0.002 5.6e-55 rs73019235 3 3164321 A T 0.123 0.020 0.003 1.1e-09 rs
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rs1057258 2 234115629 T C 0.178 -0.037 0.003 1.3e-41 rs34290285 2 242698640 A G 0.256 -0.046 0.002 4.4e-80 rs76474320 2 242806022 C T 0.078 0.033 0.004 1.1e-16 rs13084872 3 3068148 T C 0.359 0.014 0.002 3.5e-10 rs6787336 3 3153194 A G 0.287 0.037 0.002 5.6e-55 rs73019235 3 3164321 A T 0.123 0.020 0.003 1.1e-09 rs155266 3 10230728 A T 0.571 0.018 0.002 1e-16 rs2960422 3 12334991 A G 0.602 -0.029 0.002 7.3e-41 rs9872485 3 16918405 G T 0.164 -0.017 0.003 2.4e-09 rs13073683<
rs34290285 2 242698640 A G 0.256 -0.046 0.002 4.4e-80 rs76474320 2 242806022 C T 0.078 0.033 0.004 1.1e-16 rs13084872 3 3068148 T C 0.359 0.014 0.002 3.5e-10 rs6787336 3 3153194 A G 0.287 0.037 0.002 5.6e-55 rs73019235 3 3164321 A T 0.123 0.020 0.003 1.1e-09 rs155266 3 10230728 A T 0.571 0.018 0.002 1e-16 rs2960422 3 12334991 A G 0.602 -0.029 0.002 7.3e-41 rs9872485 3 16918405 G T 0.164 -0.017 0.003 2.4e-09 rs13073683 3 25393837 C T 0.399 0.015 0.002 3e-12 rs6795177
rs76474320 2 242806022 C T 0.078 0.033 0.004 1.1e-16 rs13084872 3 3068148 T C 0.359 0.014 0.002 3.5e-10 rs6787336 3 3153194 A G 0.287 0.037 0.002 5.6e-55 rs73019235 3 3164321 A T 0.123 0.020 0.003 1.1e-09 rs155266 3 10230728 A T 0.571 0.018 0.002 1e-16 rs2960422 3 12334991 A G 0.602 -0.029 0.002 7.3e-41 rs9872485 3 16918405 G T 0.164 -0.017 0.003 2.4e-09 rs13073683 3 25393837 C T 0.399 0.015 0.002 3e-12 rs6795177 3 27800734 G A 0.479 0.015 0.002 1.2e-12 rs7646283
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rs2228467 3 42906116 C T 0.061 0.050 0.004 2.2e-29
rs4072859 3 49032205 C G 0.659 0.027 0.002 9.7e-31
rs9815974 3 71439472 A G 0.665 -0.016 0.002 3.4e-12
rs4677079 3 72125863 T G 0.498 0.015 0.002 6.4e-13
rs7649812 3 98449191 G C 0.242 0.018 0.002 5.8e-13
rs4618204 3 101281534 C T 0.444 0.019 0.002 5.4e-18
rs9868582 3 112052927 T G 0.452 -0.026 0.002 2.8e-33
rs2399441 3 112587012 C T 0.350 -0.020 0.002 2.2e-19
rs2715275 3 121781689 G A 0.202 0.021 0.003 5.6e-16
rs9877627 3 128249249 G A 0.174 -0.085 0.003 1e-200
rs2712399 3 128432953 G C 0.409 -0.030 0.002 2.8e-42
rs115702896 3 129066698 C T 0.019 -0.052 0.008 3.4e-11
rs6441306 3 159952278 G A 0.433 -0.013 0.002 1.4e-09
rs191674933 3 169488691 T A 0.240 0.025 0.003 3.6e-23
rs73046033 3 171527955 G T 0.116 -0.022 0.003 7.3e-11
rs9815874 3 188441161 T C 0.299 0.027 0.002 2.1e-32
rs9818987 3 194402430 T C 0.306 0.015 0.002 1.2e-10
rs12152276 3 196368501 G A 0.081 -0.035 0.004 2.9e-19
rs1828803 4 2689449 A C 0.393 0.015 0.002 2.8e-11
rs13139941 4 7071741 G A 0.803 -0.017 0.003 2.7e-10
rs76981581 4 38416046 G C 0.048 -0.032 0.005 2.6e-10
rs13112758 4 38555527 T C 0.283 0.014 0.002 1.9e-09
rs12331049 4 38655772 T C 0.212 0.074 0.003 2.6e-175
rs2254075 4 39030183 G A 0.666 -0.015 0.002 1.4e-10
rs4694639 4 74699054 T C 0.568 0.017 0.002 2.9e-14
rs13138355 4 83545976 T C 0.185 -0.040 0.003 1.3e-47
rs13107325 4 103188709 T C 0.075 -0.030 0.004 2.5e-13
rs6827756 4 123184411 C T 0.637 -0.023 0.002 8.9e-26
rs2390353 4 123602097 C T 0.232 0.023 0.003 3.6e-19
rs13120371 4 139092719 G A 0.327 0.015 0.002 1.4e-11
rs57199846 4 153353956 T A 0.297 0.019 0.002 2.8e-16
rs2853677 5 1287194 A G 0.577 0.024 0.002 2.8e-28
rs11737939 5 10622792 T C 0.165 0.025 0.003 4.3e-18
rs16903574 5 14610309 G C 0.076 0.036 0.004 2.4e-18
rs4594881 5 35846815 T G 0.341 -0.034 0.002 3.4e-51

rs4703730	5	76549688	Т	С	0.517	-0.016	0.002	2.1e-13
rs34495	5	98265807	Ť	Ğ	0.304	-0.021	0.002	2.8e-19
rs6884604	5	110084154	Ċ	T	0.089	0.026	0.004	6.3e-12
rs141405779	5	110424932	Ä	Ġ	0.138	-0.056	0.003	1.5e-74
rs35771899	5	130865179	A	T	0.685	-0.023	0.002	2e-21
rs2188962	5	131770805	T	Ċ	0.428	-0.025	0.002	1e-200
rs244689	5	133422816	Ġ	A	0.428	-0.003	0.002	6.4e-12
rs6580223	5	141489027	T	G	0.617	0.033	0.003	3.8e-50
rs56330463	5		Ċ	T	0.552		0.002	
rs6869605		148200011				0.049		5e-114
	5	150452866	C	A	0.123	-0.022	0.003	5.5e-12
rs11748149	5	156977393	A	G	0.106	0.021	0.003	5.8e-10
rs114925538	5	169696756	Ţ	С	0.051	-0.037	0.005	4.8e-14
rs35716097	5	176806636	T	C	0.298	0.015	0.002	1.5e-10
rs2666969	6	336410	G	Α	0.254	-0.037	0.003	1.3e-30
rs9504361	6	577820	G	Α	0.446	-0.029	0.002	5e-39
rs3132682	6	30044388	С	G	0.588	-0.047	0.002	2.7e-104
rs9266321	6	31330360	С	G	0.184	0.045	0.003	1.7e-58
rs192955957	6	32486965	T	С	0.104	0.040	0.005	2.3e-18
rs28383314	6	32587213	С	Т	0.625	0.040	0.002	6.3e-74
rs12206050	6	33564296	Т	Α	0.185	0.033	0.003	3.2e-33
rs9462094	6	35513603	Т	С	0.431	-0.024	0.002	5.1e-21
rs11751949	6	42219296	Α	G	0.071	-0.034	0.004	5.8e-16
rs76236447	6	42225993	С	G	0.072	0.039	0.004	2e-21
rs62414592	6	42516867	Α	G	0.192	-0.019	0.003	1.4e-12
rs9369573	6	45689356	Τ	С	0.185	0.017	0.003	7e-10
rs2025489	6	87814959	G	Α	0.527	0.021	0.002	1.5e-22
rs905670	6	90958502	Α	G	0.351	-0.035	0.002	1.2e-55
rs12208103	6	107442431	Τ	С	0.376	-0.033	0.002	1.2e-50
rs783646	6	117286220	С	G	0.817	-0.022	0.003	4.5e-15
rs9402682	6	135406183	Τ	G	0.240	0.036	0.003	2.9e-45
rs4548024	6	138165744	С	Т	0.237	-0.017	0.003	2.2e-11
rs391875	6	149795136	Α	G	0.405	0.016	0.002	5.5e-13
rs3093023	6	167534290	Α	G	0.433	0.013	0.002	1.3e-09
rs6955702	7	3157702	G	Α	0.524	0.025	0.002	2.3e-30
rs10950642	7	17016646	Α	G	0.363	-0.021	0.002	1.4e-20
rs57834782	7	20502828	Α	Т	0.245	-0.056	0.002	2e-114
rs12537614	7	22789551	С	G	0.592	-0.023	0.002	3.3e-26
rs2158799	7	28277107	G	C	0.610	-0.021	0.002	8.1e-21
rs60600003	7	37382465	G	Т	0.101	0.038	0.004	1.2e-26
rs12536178	7	45178748	Т	С	0.223	0.015	0.003	4.6e-09
rs61198215	7	50329697	À	Ğ	0.376	0.024	0.002	8.5e-27
rs12718731	7	50436948	G	Ä	0.399	-0.013	0.002	8e-10
rs80271829	7	50443141	C	Т	0.086	-0.030	0.004	2e-15
rs62466318	7	73042085	Ť	Ċ	0.203	0.019	0.003	2e-12
rs13226583	7	75454152	Ť	Ä	0.116	-0.062	0.003	1.3e-76
rs55879743	7	75470364	Ť	C	0.067	0.077	0.004	7.6e-70
rs4279	7	91764128	À	Č	0.395	0.018	0.002	1e-16
rs73187852	7	101878336	T	Č	0.275	0.016	0.002	9.8e-12
rs12705849	7	112782556	À	G	0.407	-0.021	0.002	1.5e-22
rs3925331	7	124446137	Ğ	C	0.407	0.014	0.002	4.4e-09
rs6959832	7	135289854	A	G	0.507	-0.015	0.002	1e-11
rs6975036	7	138780350	A	G	0.507	0.023	0.002	4.8e-19
rs12530946	7	148887942	G	A	0.216	0.023	0.003	4.6e-19 1.8e-106
			T	C				
rs2979256	8	8871710			0.450	0.018	0.002	4.3e-17
rs2119690	8	19859539	A	G	0.288	0.014	0.002	2.1e-09
rs4871849	8	22964719	Α	G	0.708	-0.027	0.002	2.7e-31

rs73681119	8	27272123	G	С	0.324	-0.015	0.002	1.9e-10
rs45577137	8	48651633	G	A	0.324	-0.015	0.002	2.7e-33
rs74915527	8	48806383	T	C	0.043	0.026	0.003	3.5e-13
	8		† T					
rs7846314		61650831		A	0.187	-0.051	0.003	3e-76
rs6989099	8	66898262	C	T	0.317	-0.017	0.002	3.9e-14
rs10957978	8	81285139	Ţ	G	0.647	-0.016	0.002	1.6e-12
rs13255935	8	95965685	Α	С	0.513	0.013	0.002	1.7e-09
rs1493935	8	119848956	Α	G	0.669	0.020	0.002	7e-18
rs35779726	8	126154899	С	G	0.131	0.020	0.003	1.7e-10
rs11786536	8	129000416	Α	G	0.164	-0.025	0.003	2.6e-17
rs77959102	8	130602928	С	Т	0.143	-0.060	0.003	1.5e-83
rs4236746	8	130699861	G	Α	0.975	0.062	0.007	4.6e-20
rs2294023	8	134126039	G	Α	0.219	0.015	0.003	4.7e-09
rs10087637	8	142239318	Α	С	0.637	-0.015	0.002	3.2e-11
rs34173062	8	145158607	Α	G	0.072	0.058	0.004	4e-40
rs460631	9	4851440	G	Α	0.885	0.023	0.003	8.8e-12
rs10974980	9	5140671	G	С	0.270	0.029	0.002	1.6e-33
rs4142528	9	6172296	Α	Т	0.672	-0.077	0.002	1e-200
rs1547258	9	6523056	С	Τ	0.708	-0.021	0.002	3e-19
rs10810657	9	16884586	Α	Т	0.625	-0.015	0.002	5.6e-11
rs11789226	9	34975508	С	Τ	0.501	-0.014	0.002	4.1e-11
rs7869321	9	86520782	Τ	С	0.255	0.031	0.002	4.9e-36
rs76179738	9	94127317	Τ	С	0.185	-0.027	0.003	1.6e-23
rs4742774	9	102562927	С	Τ	0.378	0.013	0.002	2.6e-09
rs496475	9	113638236	G	Т	0.387	0.033	0.002	8.9e-52
rs1322054	9	117669299	G	Α	0.435	-0.026	0.002	1e-33
rs7040707	9	117680732	G	Α	0.048	-0.034	0.005	3.5e-10
rs605642	9	135880469	Α	С	0.582	0.027	0.002	2.5e-34
rs671050	9	136001966	С	Т	0.674	-0.014	0.002	1.4e-09
rs2810489	9	136922700	Α	G	0.258	-0.028	0.002	4.1e-31
rs11253517	10	970524	Α	G	0.238	0.034	0.003	1.3e-42
rs11255507	10	8109615	G	Т	0.178	0.021	0.003	6e-14
rs2646438	10	8565675	A	G	0.566	-0.020	0.002	3.3e-20
rs1775554	10	9054340	С	Ā	0.423	-0.040	0.002	3.1e-76
rs2992335	10	26727934	Ğ	C	0.598	-0.030	0.002	5.8e-44
rs2807740	10	28784483	Ť	Č	0.769	0.027	0.003	6e-27
rs17482472	10	44859618	A	Ğ	0.099	-0.024	0.004	4e-11
rs10995251	10	64398466	T	Č	0.369	-0.040	0.002	1.7e-74
rs72834751	10	64559465	Ť	Č	0.013	-0.077	0.010	3.1e-14
rs61855876	10	65357541	Ť	Č	0.163	-0.017	0.003	2.1e-09
rs10998535	10	70805373	Ť	Č	0.215	0.018	0.003	2.2e-12
rs564443	10	89807917	À	Ğ	0.163	0.022	0.003	1.5e-14
rs7897422	10	90849704	C	T	0.191	0.022	0.003	1.2e-16
rs7918084	10	94429467	T	Ċ	0.550	0.029	0.002	6.4e-42
rs3862006	10	111750764	Å	Ğ	0.148	-0.018	0.002	4.4e-09
rs7080536	10	115348046	A	G	0.043	-0.050	0.005	2.6e-21
rs3781455	10	126347688	Ĉ	T	0.305	0.030	0.003	1.6e-15
rs28475163	11	327143	A	Ġ	0.234	-0.034	0.002	1.7e-42
rs61871200	11	2959313	Ť	A	0.769	-0.034	0.003	7.3e-17
rs360124		9802228	Ċ					
	11			G	0.904	-0.023	0.004	1.1e-10
rs34439695	11	33901483	T	C	0.035	-0.039	0.006	4.2e-11
rs12577643	11 11	47467172 57146225	T	A	0.326	0.016	0.002	7.2e-13
rs34108746	11	57146225	G	A	0.077	-0.039	0.004	1.9e-22
rs663743	11	64107735	A	G	0.341	0.015	0.002	5.7e-11
rs669371	11	65674153	T	G	0.542	0.028	0.002	6.3e-38
rs7936323	11	76293758	Α	G	0.478	0.042	0.002	2.2e-85

rs11236813	11	76343427	С	G	0.101	-0.028	0.004	3e-15
rs4409785	11	95311422	C	T	0.101	0.028	0.004	4.8e-10
rs637064	11	108140909	T	Ċ	0.172	0.018	0.003	4.6e-10 4.4e-23
rs10466533	11	116612128	G	A	0.074	-0.030	0.004	1.1e-13
rs11216183	11	116781545	Α	C	0.092	0.022	0.004	1.9e-09
rs73005426	11	118681083	G	Α	0.211	0.022	0.003	1.4e-17
rs171270	11	126207745	G	С	0.285	0.019	0.002	1.4e-15
rs10893844	11	128185850	С	G	0.502	0.026	0.002	1.2e-33
rs3016776	11	128606508	T	С	0.472	-0.017	0.002	6.2e-15
rs12820863	12	4318723	T	С	0.351	0.020	0.002	2.9e-18
rs10849448	12	6493351	G	Α	0.753	-0.022	0.003	2.6e-18
rs4931002	12	32143169	Α	С	0.779	-0.024	0.003	8.7e-21
rs11559982	12	54711574	G	Α	0.556	0.014	0.002	3.9e-11
rs1689510	12	56396768	С	G	0.338	0.029	0.002	8.9e-39
rs3024971	12	57493727	G	Т	0.107	-0.038	0.003	2.9e-28
rs11105213	12	89624206	G	Α	0.139	-0.020	0.003	2.6e-10
rs4760384	12	92579100	С	Τ	0.171	-0.031	0.003	6.9e-28
rs3858607	12	94536803	С	G	0.378	-0.014	0.002	1.4e-10
rs140526537	12	110553366	Т	С	0.020	0.057	0.008	1.4e-12
rs10774624	12	111833788	Α	G	0.515	-0.080	0.002	1e-200
rs535850137	12	112018317	Α	G	0.407	0.028	0.003	6.2e-25
rs78691875	12	113070264	Α	С	0.021	-0.044	0.007	2.5e-09
rs12811109	12	123471094	Α	G	0.199	-0.019	0.003	2.4e-12
rs12861824	13	31079184	С	Т	0.273	-0.019	0.003	2.8e-13
rs12019493	13	40373190	Т	С	0.600	0.014	0.002	4.1e-11
rs2065633	13	41252265	С	Т	0.290	0.038	0.002	9.1e-59
rs12876545	13	43057478	Ğ	A	0.300	0.025	0.002	4.6e-27
rs60970458	13	50424159	Ť	G	0.217	0.018	0.003	2e-12
rs1326125	13	50888893	Ċ	Ā	0.361	0.021	0.002	2.6e-21
rs9600233	13	74693401	Ā	G	0.159	-0.027	0.003	5.7e-20
rs9557201	13	99989538	G	Ä	0.272	0.018	0.002	3.6e-14
rs912131	13	100032346	Ğ	Α	0.702	0.028	0.002	6.2e-33
rs9525192	13	114961339	Ğ	Α	0.531	-0.017	0.002	8.8e-16
rs1951121	14	23429729	Ğ	T	0.398	-0.015	0.002	3.1e-11
rs2239633	14	23589057	Ä	Ġ	0.484	0.035	0.002	4.8e-62
rs8020739	14	35882492	T	Ğ	0.643	0.023	0.002	3.7e-24
rs61988304	14	37699544	Ġ	Ä	0.287	0.016	0.002	3.2e-11
rs6573020	14	55871452	T	C	0.434	0.018	0.002	3.6e-17
rs762810	14	65544367	À	Č	0.361	0.016	0.002	2.3e-12
rs11624310	14	69240079	G	A	0.564	0.014	0.002	2.9e-10
rs12882409	14	73425462	A	Ğ	0.176	-0.018	0.002	2.7e-10
rs175705	14	75975648	Ĝ	C	0.719	0.037	0.003	6.4e-54
rs3742704	14	88477882	C	A	0.092	0.023	0.002	4.1e-10
rs67856193	14	93024616	G	Ĉ	0.308	0.023	0.004	3.6e-18
rs11555542	14	94417531	C	T	0.063	0.020	0.002	1.5e-48
rs8012557	14	103326936	C	G	0.563			1.9e-46 1.9e-11
rs62006172		38904527			0.042	-0.014 -0.038	0.002	
	15		A	G			0.005	4.1e-13
rs1655558	15	41787585	G	T	0.548	0.019	0.002	3.5e-19
rs35311230	15	43633497	С	G	0.200	0.022	0.003	3.2e-16
rs11071528	15	60701797	С	G	0.807	0.019	0.003	1.9e-12
rs34986765	15	61069201	С	T	0.131	-0.023	0.003	4.4e-13
rs11638671	15	63795628	Ç	T	0.343	-0.015	0.002	7.9e-12
rs17293632	15	67442596	Ţ	С	0.236	0.030	0.003	2.8e-33
rs28362902	15	74712178	Α	G	0.133	0.019	0.003	4.3e-09
rs2115535	15	80195199	Α	G	0.568	0.030	0.002	6.6e-44
rs1138358	15	80263345	С	Α	0.264	-0.026	0.002	1.8e-27

rs13511	15	86284817	С	Т	0.577	-0.019	0.002	5.1e-19
rs5011651	15	91166613	Α	G	0.759	0.019	0.002	2.2e-14
rs4785903	16	2838274	С	Т	0.755	-0.034	0.002	1.7e-43
rs9934736	16	3519252	G	Α	0.047	0.033	0.005	1.3e-10
rs9927527	16	11212681	G	Α	0.350	-0.045	0.002	1.7e-88
rs2074572	16	27356359	Τ	С	0.359	0.028	0.002	5.1e-36
rs8060511	16	30101596	Α	С	0.480	-0.027	0.002	1.7e-35
rs8044535	16	30464034	Α	Т	0.568	-0.013	0.002	5.6e-10
rs72800841	16	31014247	Α	G	0.250	-0.015	0.002	1.9e-09
rs9924483	16	48646258	Τ	С	0.310	-0.026	0.002	4.9e-30
rs9925905	16	57080866	Α	Τ	0.473	-0.015	0.002	2.5e-12
rs73595580	16	67636767	Α	G	0.083	0.027	0.004	2.4e-12
rs1170439	16	68608511	С	Τ	0.779	0.024	0.003	3.9e-20
rs73575076	16	79744148	G	Α	0.314	-0.015	0.002	1.2e-10
rs301161	16	85810349	Α	G	0.850	0.025	0.003	1.6e-17
rs12924774	16	86003804	С	G	0.352	0.018	0.002	2.5e-16
rs17175830	16	88558164	Α	G	0.237	0.030	0.003	2.8e-33
rs112036266	17	2834143	Τ	С	0.176	0.017	0.003	5.7e-10
rs34210653	17	4535314	Α	G	0.021	-0.172	0.007	6.5e-118
rs12601936	17	7172609	G	Α	0.605	0.013	0.002	8.3e-10
rs74480102	17	7742601	Α	G	0.043	-0.068	0.005	3.8e-38
rs1838149	17	33819302	Α	G	0.423	-0.020	0.002	4e-19
rs35130019	17	37983142	G	Α	0.034	-0.085	0.006	2e-48
rs2109221	17	38830056	Α	G	0.578	0.015	0.002	1.6e-11
rs9906974	17	43822772	С	Т	0.219	-0.038	0.003	8.4e-49
rs12952581	17	47448346	Α	G	0.362	0.029	0.002	3.5e-39
rs11079348	17	56438624	Т	G	0.171	0.019	0.003	4.6e-11
rs62086903	17	66016006	С	Т	0.231	0.029	0.003	2.6e-30
rs180506	17	68274205	Α	G	0.776	-0.024	0.003	2.2e-21
rs11077961	17	81012749	G	A	0.361	0.013	0.002	1.7e-09
rs2847286	18	12817815	G	Α	0.352	-0.015	0.002	1.2e-11
rs4578769	18	20395104	Т	G	0.749	0.023	0.002	1.1e-20
rs57633475	18	46469650	G	Α	0.122	-0.025	0.003	3.4e-14
rs73963711	18	60874413	Т	С	0.210	0.023	0.003	1.2e-17
rs954954	18	60902328	С	Α	0.105	-0.034	0.003	6.1e-22
rs17758695	18	60920854	Ť	С	0.029	-0.104	0.006	1.8e-61
rs1395269	18	61377644	G	Т	0.301	-0.023	0.002	3.8e-23
rs3848640	19	1037986	Ğ	A	0.329	-0.021	0.002	6.4e-20
rs36084354	19	1079959	Ā	G	0.092	-0.034	0.004	1.3e-20
rs757230	19	1102131	G	Ā	0.469	-0.013	0.002	1.9e-09
rs61731111	19	3179517	T	С	0.011	-0.132	0.010	5.1e-38
rs448998	19	16411418	Ġ	Ä	0.732	0.023	0.002	4e-22
rs410867	19	16427111	Ğ	Α	0.216	-0.065	0.003	3.3e-138
rs11669369	19	16654394	Č	Ğ	0.107	0.029	0.003	5.3e-17
rs117710327	19	33726578	Ä	Č	0.067	-0.037	0.004	8.8e-18
rs4802399	19	38899999	A	Ğ	0.043	0.045	0.005	2.4e-17
rs412884	19	40219449	C	T	0.672	0.056	0.002	2.4e-135
rs531660643	19	45251806	T	Ġ	0.023	-0.069	0.007	6.9e-21
rs7252363	19	46354793	À	Ğ	0.353	0.026	0.002	1.2e-30
rs11084096	19	52128795	A	Ğ	0.296	-0.017	0.002	1.4e-12
rs11667325	19	52301063	A	G	0.663	-0.017	0.002	8.7e-18
rs6080761	20	17629162	Ā	G	0.419	0.015	0.002	6.2e-12
rs80054178	20	30294682	Ĉ	T	0.419	-0.013	0.002	7.3e-29
rs6141755	20	31163565	T	Ġ	0.023	-0.016	0.007	9.7e-11
rs6031302	20	42656310	Ġ	C	0.230	-0.020	0.003	2.5e-16
rs6126042	20	49162186	T	C	0.728	-0.020	0.002	2.3e-10 2.3e-21
130120042	20	70102100	ı		0.000	-0.031	0.004	∠.∪ ∪- ∠ I

477000C0	20	E0400746	_	Т	0.000	0.000	0.004	1 2 - 11
rs17728960	20	50129716	С	- 1	0.068	-0.029	0.004	1.3e-11
rs2223043	21	16438793	G	Α	0.305	0.021	0.002	4.2e-18
rs2823327	21	16898807	Τ	С	0.187	0.017	0.003	4.3e-10
rs1000005	21	34433051	С	G	0.591	-0.021	0.002	3.6e-21
rs34872427	21	36294044	С	Т	0.415	-0.018	0.002	2.8e-17
rs2242886	21	36387806	Τ	С	0.071	-0.099	0.004	1.4e-125
rs9979383	21	36715761	Τ	С	0.630	0.031	0.002	3.9e-44
rs150229150	21	45641853	Τ	С	0.125	-0.020	0.003	6.7e-10
rs1811069	22	21982054	G	Т	0.191	0.018	0.003	2.7e-11
rs7288670	22	24621826	G	Α	0.306	-0.019	0.002	2.8e-16
rs140074	22	31725634	G	С	0.486	0.028	0.002	1.5e-40
rs41280005	22	37316133	Α	G	0.167	-0.029	0.003	5e-24
rs228951	22	37529798	G	Α	0.363	-0.022	0.002	1.6e-22
rs2413631	22	41359786	Α	G	0.250	0.015	0.002	3.2e-09
rs743002	22	41404939	С	Τ	0.066	-0.063	0.004	1.6e-48
rs78023664	22	46647844	Α	G	0.092	-0.029	0.004	6.6e-15

Table S15. 115 SNPs significantly associated with basophil percentage of white cells used IVs in forward MR analyses derived from Vuckovic D et al. Chr: Chromosome; EA: Effect allele; NEA: Non-effect allele; EAF: Effect allele frequency.

Chromosome	e; EA:	Effect allel						<u>Effect alle</u>
SNP	Chr	Pos	EΑ	NEA	EAF	Beta	SE	P-value
rs35076930	1	17677636	Т	С	0.293	0.021	0.003	1.6e-13
rs657624	1	20888348	Α	G	0.332	-0.014	0.002	4e-09
rs12097415	1	21506276	Α	Т	0.547	-0.020	0.002	1.4e-19
rs10788980	1	54892472	G	Α	0.447	0.014	0.002	1.4e-10
rs6679677	1	114303808	Α	С	0.101	0.030	0.004	4e-16
rs11587409	1	118143444	С	G	0.163	-0.020	0.003	1.3e-11
rs12075	1	159175354	A	G	0.579	0.027	0.002	2.9e-33
rs6671847	1	161478810	Α	Ğ	0.510	0.018	0.002	3.9e-16
rs145510048	1	161605454	C	Ť	0.332	-0.020	0.002	4.6e-17
rs4987358	1	169665551	Ť	Ġ	0.270	0.015	0.002	1.7e-09
rs12123922	1	205140436	À	Ğ	0.441	-0.032	0.002	5e-48
rs12562618	1	212450399	G	Ä	0.186	-0.043	0.003	1.6e-50
rs483954	1	212620214	Ğ	A	0.395	0.018	0.002	2.1e-15
rs28434172	1	224614625	T	C	0.208	-0.017	0.003	5.4e-10
rs2208568	i	236090155	Ċ	T	0.893	0.112	0.004	1e-200
rs62105478	2	8735869	A	Ġ	0.052	-0.029	0.005	4.3e-09
rs2384575	2	27387429	C	T	0.291	0.015	0.003	2.6e-09
rs75475627	2	54787592	G	Ċ	0.076	-0.027	0.002	1.8e-10
rs12470883	2	65651851	A	G	0.409	0.014	0.004	8.2e-10
rs3755266	2	103042712	Ā	G	0.482	0.014	0.002	1.4e-11
rs75490288	2	145377211	Ā	G	0.462	-0.021	0.002	8.5e-13
rs78862952	2	146506667	Ĉ	T	0.173	0.027	0.003	3.2e-12
rs57338137	2	213857250	C	T T	0.092	0.027	0.004	1.3e-12
rs4324460	3	3120542	G	T T	0.077	0.029	0.004	2.4e-11
rs1669340	3	3198380	T	G	0.219	-0.025	0.003	2.4e-11 2.6e-17
			G					
rs6766037	3	16908186	T	A C	0.218	-0.040	0.003	1.5e-50
rs3181077	3	46250652			0.718	-0.044	0.002	7.8e-70
rs6782812		128317997	A	G	0.893	0.086	0.004	2.9e-127
rs3774298	3	187460099	A	G	0.688	-0.020	0.002	2.6e-16
rs28530750	4	36312542	A	G	0.043	-0.033	0.006	2.4e-09
rs16850073	4	74703999	T	С	0.375	-0.014	0.002	1.6e-09
rs9131	4	74963049	T	C	0.601	0.020	0.002	2.9e-19
rs72667739	4	87877499	Ç	A	0.168	-0.034	0.003	1.1e-29
rs10013613	4	103423493	T	G	0.402	-0.017	0.002	7e-14
rs12513896	5	10688755	C	G	0.252	0.016	0.003	1.2e-10
rs13188960	5	35853319	T	G	0.280	-0.016	0.002	7.8e-11
rs34500	5	98294885	A	G	0.084	-0.035	0.004	4e-18
rs2271352	5	126091428	С	G	0.226	0.048	0.003	1.5e-71
rs35074529	5	150838293	С	Ţ	0.571	-0.017	0.002	1e-14
rs724745	6	22340396	G	T	0.504	0.021	0.002	6.9e-21
rs915125	6	82463376	T	C	0.279	-0.033	0.002	2.7e-41
rs72895231	6	82679396	Α	C	0.596	-0.015	0.002	1.3e-10
rs9376098	6	135499460	Α	T	0.349	0.031	0.002	5.6e-41
rs9389286	6	135640965	C	G	0.527	-0.013	0.002	1.7e-09
rs852444	7	5556062	G	A	0.399	-0.015	0.002	3.3e-11
rs73049252	7	8016602	Α	G	0.059	-0.035	0.005	1.1e-13
rs62447197	7	50417632	G	A	0.107	0.033	0.004	2.6e-20
rs1186222	7	75247329	T	С	0.462	-0.028	0.002	4.2e-36
rs8179	7	92236164	С	T	0.792	-0.022	0.003	9.3e-16
rs445	7	92408370	Т	С	0.096	-0.055	0.004	4.6e-48
rs11772895	7	143081942	С	G	0.277	0.039	0.002	1.5e-55

rs2977799	8	6696927	G	Α	0.511	0.031	0.002	8.3e-44
rs2741684	8	6788418	G	Ĉ	0.693	0.019	0.002	1.4e-15
rs73523802	8	6878935	Ğ	A	0.271	0.045	0.003	8.3e-60
rs6983894	8	6938131	A	C	0.046	-0.043	0.006	1.4e-14
rs45577137	8	48651633	Ğ	A	0.045	-0.057	0.006	1.4e-23
rs6995515	8	61511366	C	Ā	0.371	-0.037	0.002	3.4e-09
rs7846314	8	61650831	T	A	0.371	-0.014	0.002	2.5e-28
	8	126516197	Ġ	A	0.167		0.003	4e-11
rs7832357	9		T	C		-0.015		
rs4836579 rs11253511		130528548	T		0.573	-0.014	0.002	3.5e-10
	10	964832		С	0.238	0.050	0.003	6.6e-82
rs11595895	10	26734518	A	С	0.403	0.019	0.002	8.9e-17
rs7082470	10	65277026	Α	G	0.471	0.019	0.002	1.9e-17
rs55922628	10	77191441	A	C	0.611	-0.018	0.002	2e-14
rs56014906	10	102103508	G	A	0.368	-0.019	0.002	5.1e-16
rs2256368	10	114186624	A	G	0.904	-0.026	0.004	1.1e-11
rs3781452	10	126355129	T	С	0.633	0.015	0.002	1.4e-10
rs7116520	11	4053377	Α	G	0.410	0.016	0.002	6.4e-12
rs74472890	11	72946279	С	T	0.049	0.121	0.005	1.7e-124
rs149709671	11	74382388	Α	G	0.034	0.036	0.006	4.5e-09
rs72964941	11	88025009	Т	С	0.093	0.024	0.004	7.5e-10
rs4753251	11	89654536	Α	Т	0.730	-0.016	0.003	5.3e-10
rs10893844	11	128185850	С	G	0.502	-0.015	0.002	4.6e-11
rs146970669	12	27103449	Α	G	0.093	0.030	0.004	7.5e-15
rs117053853	12	51720047	Α	G	0.011	0.113	0.011	4.3e-26
rs2118138	12	66698144	G	Α	0.528	0.015	0.002	3.1e-12
rs75084335	12	76981753	G	С	0.069	0.033	0.004	6.4e-14
rs2952110	12	106661316	G	Α	0.169	0.020	0.003	1.8e-11
rs4475963	12	129302255	G	Τ	0.370	-0.019	0.002	8.6e-17
rs149391212	14	23544999	Τ	С	0.016	0.068	0.009	3.7e-14
rs2239630	14	23589349	G	Α	0.558	0.029	0.002	4e-38
rs11158159	14	57857162	С	G	0.773	0.029	0.003	3.4e-26
rs12878807	14	67964688	Α	Τ	0.478	-0.013	0.002	3.5e-09
rs72721631	14	75807762	Α	С	0.238	-0.021	0.003	9e-16
rs2289511	14	88454910	Α	G	0.582	-0.019	0.002	1.3e-16
rs12438453	15	42678609	G	Α	0.122	0.025	0.003	2.3e-13
rs2009833	15	50193553	Α	G	0.360	0.015	0.002	3.4e-10
rs66871053	15	50558793	С	Τ	0.179	0.018	0.003	2.5e-09
rs7496362	15	65758874	G	С	0.366	-0.017	0.002	8e-14
rs2415042	15	69649385	G	С	0.627	0.017	0.002	1.5e-13
rs7166645	15	83740277	Α	G	0.387	0.014	0.002	1.4e-09
rs2074585	15	91009484	Α	G	0.514	-0.040	0.002	2.2e-74
rs8026614	15	100051136	Т	Č	0.472	-0.016	0.002	1.7e-12
rs875740	16	16123048	A	Č	0.666	-0.018	0.002	8.7e-14
rs879627	16	88522541	G	Č	0.437	0.016	0.002	1.9e-12
rs12941811	17	38159335	Č	Ť	0.578	-0.013	0.002	2.1e-09
rs28730837	17	56355397	Ä	Ġ	0.016	0.092	0.009	5.2e-26
rs56378716	17	56356502	G	A	0.013	0.060	0.010	1.8e-09
rs17758695	18	60920854	T	Ĉ	0.029	-0.086	0.007	2.4e-39
rs62132278	19	836654	Ť	C	0.256	-0.034	0.003	4.5e-37
rs2336068	19	5813519	Ċ	A	0.276	0.016	0.003	6.1e-10
rs1609712	19	8566634	A	Ĝ	0.270	-0.033	0.003	1.2e-28
rs11554159	19	18285944	A	G	0.107	-0.033	0.003	2.8e-12
rs11879838	19	19742751	C	G	0.270	-0.017	0.002	2.6e-12 3.3e-18
rs78744187	19	33754548	T	C				5.3e-16 5e-102
					0.081	-0.087	0.004	
rs34158728	19 10	38903032	A	G	0.029	0.102	0.007	2.3e-53
rs453827	19	40224901	Α	G	0.670	-0.020	0.002	2.8e-17

rs56827178	20	31178577	Α	G	0.230	-0.017	0.003	1.2e-10
rs6141779	20	31259366	Τ	С	0.145	0.025	0.003	2.9e-15
rs4931	20	43530234	С	Α	0.271	-0.024	0.002	1.3e-21
rs150498232	21	36792624	G	Α	0.027	0.043	0.007	2.5e-09
rs11702209	21	38808428	G	С	0.118	-0.024	0.003	4.9e-12
rs2836154	21	39485842	Τ	С	0.336	0.021	0.002	3.8e-19
rs761702	22	41404970	Α	G	0.065	0.037	0.005	2.6e-16
rs5766582	22	45632528	Τ	С	0.475	-0.021	0.002	6e-21

Table S16. 295 SNPs significantly associated with neutrophil percentage of white cells used IVs in forward MR analyses derived from Vuckovic D et al. Chr: Chromosome; EA: Effect allele; NEA: Non-effect allele; EAF: Effect allele frequency.

SNP	Chilomosomic	-	. Litect allei				ct allele		Lilect alle
International Color International Color	SNP	Chr	Pos	EΑ	NEA	EAF	Beta	SE	P-value
Fas4543768									
Page	rs66731853	1	20916238	Α	G	0.325	-0.015		1.6e-10
TS3917932	rs4543768	1	22329645	С		0.321	0.016	0.002	5.5e-13
International Color International Color	rs79567479	1	27011533	С	T	0.080	-0.037	0.004	1.9e-20
Image: Color Imag	rs3917932	1	36943916	G	С	0.577	-0.038	0.002	5.2e-67
TST637229	rs12718444	1	43409179	Τ	G	0.173	-0.019	0.003	1.6e-11
Image: Color Imag	rs7537229	1	56906274	Α	G	0.896			
TS2755253									
F841313381									
International Color									
International Color International Color								0.006	
rs33967958									
rs2494015									
rs7512697									
TS6694531									
rs2479868									
First Firs									
rs12131588									
F87530375									
F86540754									
rs5011752									
rs34791963 1 224662703 C T 0.252 0.015 0.003 2.4e-09 rs7552783 1 227174145 C T 0.512 -0.025 0.002 3.6e-26 rs822829 1 234962529 C A 0.879 0.024 0.003 1.6e-13 rs9970896 1 236104981 T A 0.888 -0.027 0.003 3.1e-15 rs61838753 1 247569300 C A 0.672 -0.014 0.002 4.5e-10 rs56188865 1 247606276 C T 0.372 -0.016 0.002 1.9e-13 rs12105729 2 7614263 G A 0.159 0.021 0.003 1.7e-12 rs10779936 2 23950200 A G 0.715 -0.017 0.002 2.6e-12 rs7578575 2 25488819 A T 0.293 -0.027 0.002 8.7e-29 r									
rs7552783 1 227174145 C T 0.512 -0.025 0.002 3.6e-26 rs822829 1 234962529 C A 0.879 0.024 0.003 1.6e-13 rs9970896 1 236104981 T A 0.888 -0.027 0.003 3.1e-15 rs61838753 1 247569300 C A 0.672 -0.014 0.002 4.5e-10 rs56188865 1 247606276 C T 0.372 -0.016 0.002 1.9e-13 rs12105729 2 7614263 G A 0.159 0.021 0.003 1.7e-12 rs12987575 2 23950200 A G 0.715 -0.017 0.002 2.6e-12 rs7578575 2 25488819 A T 0.293 -0.027 0.002 2.4e-09 rs6721395 2 27280127 A G 0.700 -0.019 0.002 2.4e-09 rs									
rs822829 1 234962529 C A 0.879 0.024 0.003 1.6e-13 rs9970896 1 236104981 T A 0.888 -0.027 0.003 3.1e-15 rs61838753 1 247569300 C A 0.672 -0.014 0.002 4.5e-10 rs56188865 1 247606276 C T 0.372 -0.016 0.002 1.9e-13 rs12105729 2 7614263 G A 0.159 0.021 0.003 1.7e-12 rs10779936 2 23950200 A G 0.715 -0.017 0.002 2.6e-12 rs7578575 2 25488819 A T 0.293 -0.027 0.002 8.7e-29 rs6721395 2 27280127 A G 0.700 -0.014 0.002 2.4e-09 rs62149448 2 40697617 C T 0.189 0.019 0.003 1.2e-11 rs6									
rs9970896 1 236104981 T A 0.888 -0.027 0.003 3.1e-15 rs61838753 1 247569300 C A 0.672 -0.014 0.002 4.5e-10 rs56188865 1 247606276 C T 0.372 -0.016 0.002 1.9e-13 rs12105729 2 7614263 G A 0.159 0.021 0.003 1.7e-12 rs10779936 2 23950200 A G 0.715 -0.017 0.002 2.6e-12 rs7578575 2 25488819 A T 0.293 -0.027 0.002 8.7e-29 rs12988231 2 25593537 C T 0.315 -0.014 0.002 2.4e-09 rs6721395 2 27280127 A G 0.700 -0.019 0.002 2.4e-09 rs6721395 2 43359275 C G 0.271 -0.021 0.002 1.2e-11 r									
rs61838753 1 247569300 C A 0.672 -0.014 0.002 4.5e-10 rs56188865 1 247606276 C T 0.372 -0.016 0.002 1.9e-13 rs12105729 2 7614263 G A 0.159 0.021 0.003 1.7e-12 rs10779936 2 23950200 A G 0.715 -0.017 0.002 2.6e-12 rs7578575 2 25488819 A T 0.293 -0.027 0.002 8.7e-29 rs12988231 2 25593537 C T 0.315 -0.014 0.002 2.4e-09 rs6721395 2 27280127 A G 0.700 -0.019 0.002 9.8e-16 rs62149448 2 40697617 C T 0.189 0.019 0.003 1.2e-11 rs6705577 2 43359275 C G 0.271 -0.021 0.002 1.4e-18 rs									
rs56188865 1 247606276 C T 0.372 -0.016 0.002 1.9e-13 rs12105729 2 7614263 G A 0.159 0.021 0.003 1.7e-12 rs10779936 2 23950200 A G 0.715 -0.017 0.002 2.6e-12 rs7578575 2 25488819 A T 0.293 -0.027 0.002 8.7e-29 rs12988231 2 25593537 C T 0.315 -0.014 0.002 2.4e-09 rs6721395 2 27280127 A G 0.700 -0.019 0.002 9.8e-16 rs62149448 2 40697617 C T 0.189 0.019 0.003 1.2e-11 rs6705577 2 43359275 C G 0.271 -0.021 0.002 1.4e-18 rs113542380 2 43464818 A G 0.075 0.086 0.004 4.3e-96 rs6									
rs12105729 2 7614263 G A 0.159 0.021 0.003 1.7e-12 rs10779936 2 23950200 A G 0.715 -0.017 0.002 2.6e-12 rs7578575 2 25488819 A T 0.293 -0.027 0.002 8.7e-29 rs12988231 2 25593537 C T 0.315 -0.014 0.002 2.4e-09 rs6721395 2 27280127 A G 0.700 -0.019 0.002 9.8e-16 rs62149448 2 40697617 C T 0.189 0.019 0.003 1.2e-11 rs6705577 2 43359275 C G 0.271 -0.021 0.002 1.4e-18 rs113542380 2 43464818 A G 0.075 0.086 0.004 4.3e-96 rs62137602 2 53963242 C A 0.184 0.020 0.003 3.2e-18 rs459									
rs10779936 2 23950200 A G 0.715 -0.017 0.002 2.6e-12 rs7578575 2 25488819 A T 0.293 -0.027 0.002 8.7e-29 rs12988231 2 25593537 C T 0.315 -0.014 0.002 2.4e-09 rs6721395 2 27280127 A G 0.700 -0.019 0.002 9.8e-16 rs62149448 2 40697617 C T 0.189 0.019 0.003 1.2e-11 rs6705577 2 43359275 C G 0.271 -0.021 0.002 1.4e-18 rs113542380 2 43464818 A G 0.075 0.086 0.004 4.3e-96 rs62137602 2 53963242 C A 0.184 0.020 0.003 2e-13 rs74625883 2 65663381 A G 0.176 -0.025 0.003 3.2e-18 rs459									
rs7578575 2 25488819 A T 0.293 -0.027 0.002 8.7e-29 rs12988231 2 25593537 C T 0.315 -0.014 0.002 2.4e-09 rs6721395 2 27280127 A G 0.700 -0.019 0.002 9.8e-16 rs62149448 2 40697617 C T 0.189 0.019 0.003 1.2e-11 rs6705577 2 43359275 C G 0.271 -0.021 0.002 1.4e-18 rs113542380 2 43464818 A G 0.075 0.086 0.004 4.3e-96 rs62137602 2 53963242 C A 0.184 0.020 0.003 2e-13 rs74625883 2 65663381 A G 0.176 -0.025 0.003 3.2e-18 rs4599108 2 85543222 T C 0.487 -0.015 0.002 1.2e-11 rs1921									
rs12988231 2 25593537 C T 0.315 -0.014 0.002 2.4e-09 rs6721395 2 27280127 A G 0.700 -0.019 0.002 9.8e-16 rs62149448 2 40697617 C T 0.189 0.019 0.003 1.2e-11 rs6705577 2 43359275 C G 0.271 -0.021 0.002 1.4e-18 rs113542380 2 43464818 A G 0.075 0.086 0.004 4.3e-96 rs62137602 2 53963242 C A 0.184 0.020 0.003 2e-13 rs74625883 2 65663381 A G 0.176 -0.025 0.003 3.2e-18 rs4599108 2 85543222 T C 0.487 -0.015 0.002 1.2e-11 rs1921622 2 102966067 A G 0.542 -0.019 0.002 3.1e-18 rs1969232 2 111597636 G A 0.683 -0.014 0.002 6.4e-10 rs3789087 2 111791653 T C 0.163 0.028 0.003 1.1e-21 rs55706446 2 112239082 T C 0.075 0.041 0.004 3.5e-21 rs13409371 2 113838145 A G 0.396 0.028 0.002 1.9e-36 rs10188023 2 136981135 A G 0.907 0.023 0.004 6.2e-10 rs354719 2 143892139 T A 0.825 0.026 0.003 2.2e-20 rs12611922 2 160462749 G T 0.374 0.023 0.002 1.2e-24 rs6718526 2 161214175 C T 0.798 -0.019 0.002 2.9e-25 rs17365418 2 182173530 G A 0.442 -0.018 0.002 4.4e-17									
rs6721395 2 27280127 A G 0.700 -0.019 0.002 9.8e-16 rs62149448 2 40697617 C T 0.189 0.019 0.003 1.2e-11 rs6705577 2 43359275 C G 0.271 -0.021 0.002 1.4e-18 rs113542380 2 43464818 A G 0.075 0.086 0.004 4.3e-96 rs62137602 2 53963242 C A 0.184 0.020 0.003 2e-13 rs74625883 2 65663381 A G 0.176 -0.025 0.003 3.2e-18 rs4599108 2 85543222 T C 0.487 -0.015 0.002 1.2e-11 rs1921622 2 102966067 A G 0.542 -0.019 0.002 3.1e-18 rs1969232 2 111791653 T C 0.163 0.028 0.003 1.1e-21 rs5570									
rs62149448 2 40697617 C T 0.189 0.019 0.003 1.2e-11 rs6705577 2 43359275 C G 0.271 -0.021 0.002 1.4e-18 rs113542380 2 43464818 A G 0.075 0.086 0.004 4.3e-96 rs62137602 2 53963242 C A 0.184 0.020 0.003 2e-13 rs74625883 2 65663381 A G 0.176 -0.025 0.003 3.2e-18 rs4599108 2 85543222 T C 0.487 -0.015 0.002 1.2e-11 rs1921622 2 102966067 A G 0.542 -0.019 0.002 3.1e-18 rs1969232 2 111791653 T C 0.163 0.028 0.003 1.1e-21 rs55706446 2 112239082 T C 0.075 0.041 0.004 3.5e-21 rs101									
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rs74625883 2 65663381 A G 0.176 -0.025 0.003 3.2e-18 rs4599108 2 85543222 T C 0.487 -0.015 0.002 1.2e-11 rs1921622 2 102966067 A G 0.542 -0.019 0.002 3.1e-18 rs1969232 2 111597636 G A 0.683 -0.014 0.002 6.4e-10 rs3789087 2 111791653 T C 0.163 0.028 0.003 1.1e-21 rs55706446 2 112239082 T C 0.075 0.041 0.004 3.5e-21 rs13409371 2 113838145 A G 0.396 0.028 0.002 1.9e-36 rs10188023 2 136981135 A G 0.907 0.023 0.004 6.2e-10 rs354719 2 143892139 T A 0.825 0.026 0.003 2.2e-20 rs									
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rs1921622 2 102966067 A G 0.542 -0.019 0.002 3.1e-18 rs1969232 2 111597636 G A 0.683 -0.014 0.002 6.4e-10 rs3789087 2 111791653 T C 0.163 0.028 0.003 1.1e-21 rs55706446 2 112239082 T C 0.075 0.041 0.004 3.5e-21 rs13409371 2 113838145 A G 0.396 0.028 0.002 1.9e-36 rs10188023 2 136981135 A G 0.907 0.023 0.004 6.2e-10 rs354719 2 143892139 T A 0.825 0.026 0.003 2.2e-20 rs12611922 2 160462749 G T 0.374 0.023 0.002 1.2e-24 rs6718526 2 161214175 C T 0.798 -0.019 0.003 1.9e-12 rs55954384 2 182017630 G A 0.315 0.024 0.002									
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rs3185378 2 202151439 C G 0.641 -0.019 0.002 4.6e-17									
	rs3185378	2	202151439	С	G	0.641	-0.019	0.002	4.6e-17

rs114050631	2	219020958	Τ	С	0.011	-0.121	0.011	3.4e-28
rs113414093	2	219859171	Α	G	0.047	-0.043	0.006	6.1e-14
rs11676298	2	227291731	G	С	0.192	-0.025	0.003	1.5e-20
rs6741554	2	232272500	G	Α	0.248	0.016	0.003	4.2e-10
rs2568569	2	237796392	G	Α	0.739	0.015	0.002	1.8e-09
rs13066322	3	12269266	Т	С	0.417	0.021	0.002	3.1e-21
rs1563656	3	28520417	Α	Τ	0.414	-0.017	0.002	1.4e-15
rs11706384	3	39296881	Т	G	0.236	-0.022	0.003	2.5e-18
rs13063578	3	47087837	Α	Τ	0.401	-0.030	0.002	2.6e-39
rs71298382	3	71382067	G	Α	0.027	-0.076	0.007	5.6e-28
rs1456117	3	123078908	Т	G	0.217	0.023	0.003	5.8e-18
rs115697464	3	128175328	С	Т	0.015	0.054	0.009	1.9e-09
rs76937118	3	128316589	Т	С	0.050	-0.039	0.005	2.4e-14
rs6782812	3	128317997	Α	G	0.893	-0.079	0.003	8.8e-114
rs143699489	3	140927121	G	A	0.127	0.022	0.003	2.7e-11
rs2871960	3	141121814	Č	Α	0.445	-0.017	0.002	2e-15
rs28465436	3	169489082	Č	Α	0.248	-0.016	0.003	4.4e-10
rs1523475	3	187444210	Č	T	0.806	0.017	0.003	6.6e-10
rs789858	3	194405966	Ť	Ċ	0.403	0.014	0.002	5.8e-10
rs73221129	4	729603	Ġ	Ä	0.359	0.019	0.002	1.1e-17
rs6831368	4	6969919	Ğ	A	0.362	-0.015	0.002	1.8e-11
rs28530750	4	36312542	Ä	Ğ	0.043	0.038	0.005	1.7e-12
rs6531601	4	38015513	A	T	0.422	-0.013	0.002	2e-09
rs6841652	4	38363262	Ĉ	Ė	0.680	-0.044	0.002	3.2e-81
rs6827279	4	38566132	T	Ċ	0.539	0.024	0.002	6.7e-26
rs218265	4	55408999	Ċ	T	0.155	0.024	0.002	5.6e-27
rs13121174	4	55497446	A	Ť	0.133	-0.016	0.003	1e-12
rs16850073	4	74703999	Ť	Ċ	0.375	0.045	0.002	7.4e-90
rs146149115	4	74768492	Ġ	A	0.010	-0.085	0.002	5.5e-14
rs546829	4	74956372	T	Ā	0.626	-0.056	0.002	1.1e-140
rs36114828	4	80923829	A	Ĉ	0.020	0.020	0.002	1.4e-15
rs11726195	4	103538911	Ĝ	C	0.739	-0.027	0.002	4.5e-35
rs2189234	4	106075498	G	T	0.521	-0.027	0.002	4.7e-53
rs309375	4	123681156	A	Ċ	0.572	-0.034	0.002	2e-17
rs4696314	4	153005716	C	T	0.512	-0.019	0.002	2.6e-15
rs2853677	5	1287194	A	Ġ	0.577	-0.017	0.002	2.0e-13 2.1e-31
rs11744391	5	33241655	A	C	0.377	-0.023	0.002	1.5e-09
rs11567701	5	35859863	T	G	0.392	-0.013	0.002	
rs4865744	5	52082774	G	A	0.200	0.035	0.002	8.8e-47 9.5e-11
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rs11741775 rs10942300	5	68590395	T	С	0.443 0.880	-0.020	0.002 0.003	2.7e-20
	5	71745412	T G	C T		-0.033		6.6e-24
rs27643	5	87994702			0.721	0.020	0.002	4.7e-17
rs2927608	5	96252432	A	G	0.446	0.013	0.002	4.4e-09
rs62385260	5	131967540	A	G	0.188	-0.027	0.003	1.3e-22
rs75925066	5	134722833	Α	C	0.023	-0.049	0.007	9.4e-12
rs6580229	5	141510754	G	A	0.617	0.015	0.002	3e-11
rs56330463	5	148200011	С	Ţ	0.552	-0.035	0.002	5.4e-57
rs7720470	5	149398480	G	Α	0.625	-0.018	0.002	1e-15
rs6878978	5	157950125	T	G	0.278	0.018	0.002	1.2e-13
rs12659737	5	176742506	С	T	0.840	-0.028	0.003	9.3e-22
rs61408162	5	179042400	T	C	0.357	0.017	0.002	9.4e-15
rs27474	5	179342289	Ç	A	0.395	0.015	0.002	3.4e-11
rs3777755	6	12159699	Ţ	С	0.310	0.019	0.002	1.5e-15
rs2560775	6	13525365	A	G	0.692	-0.017	0.002	6.7e-14
rs1267500	6	14715825	T	С	0.810	0.021	0.003	9e-14
rs6911302	6	24820052	С	Α	0.551	0.025	0.002	2.7e-31

rs3128900	6	29833057	T	G	0.845	0.046	0.003	2.8e-53
rs2071596	6	31506691	Α	G	0.163	0.027	0.003	4e-20
rs116787876	6	32491139	G	Α	0.422	-0.028	0.003	1.7e-26
rs2185798	6	41773576	С	G	0.479	-0.016	0.002	3e-14
rs11755487	6	42506099	Α	G	0.210	0.028	0.003	1.3e-25
rs1533584	6	53221183	С	Т	0.301	-0.014	0.002	2.2e-09
rs915125	6	82463376	Т	С	0.279	-0.027	0.002	2.4e-29
rs9362417	6	87983690	G	Α	0.490	-0.029	0.002	3e-40
rs12526696	6	108053364	Α	G	0.161	-0.024	0.003	8e-16
rs12664455	6	109590739	Т	Č	0.293	0.016	0.002	2e-11
rs13203252	6	109672736	Ġ	Ä	0.300	0.025	0.002	4.8e-26
rs9398642	6	121883200	T	C	0.144	0.018	0.003	1.7e-09
rs72959041	6	127454893	À	Ğ	0.049	-0.033	0.005	5.3e-11
rs928722	6	137973832	Ť	C	0.221	0.017	0.003	4.3e-11
rs149110519	6	144385777	T	C	0.221		0.003	4.3e-11 2.4e-34
						-0.072		
rs212409	6	159470058	A	G	0.553	-0.014	0.002	1.7e-10
rs1012657	6	167525142	С	A	0.473	0.013	0.002	1.4e-09
rs6796	7	6502367	С	T	0.278	-0.040	0.002	5.4e-61
rs73049270	7	8021646	Т	С	0.058	-0.034	0.005	2.1e-13
rs212837	7	26695215	С	Т	0.621	-0.013	0.002	2.2e-09
rs2158799	7	28277107	G	С	0.610	0.043	0.002	7.3e-83
rs56388170	7	28724374	Т	G	0.292	0.055	0.002	3.7e-117
rs60600003	7	37382465	G	Т	0.101	-0.025	0.004	7.6e-12
rs10259698	7	40069862	G	Α	0.421	0.013	0.002	3.5e-09
rs876036	7	50307710	С	Т	0.320	0.027	0.002	5.3e-32
rs149007767	7	50370254	Т	С	0.162	0.044	0.003	3e-48
rs4416724	7	64982809	Ċ	Ā	0.101	0.029	0.004	2.6e-15
rs42033	7	92237533	Ť	A	0.208	0.028	0.003	1.4e-25
rs445	7	92408370	Ť	C	0.096	-0.045	0.004	2.3e-34
rs6969234	7	97987986	Ċ	T	0.493	-0.018	0.002	4.3e-17
rs6956344	7	99359151	Ť	Ċ	0.086	-0.026	0.004	6.3e-12
rs62621812	7	127015083	À	Ğ	0.020	-0.062	0.008	3.1e-15
rs12531590	7	148888461	Ĉ	A	0.624	-0.002	0.002	1e-14
rs3735080	7	150217309	T	Ĉ	0.024	-0.017	0.002	1.7e-23
rs4840639				T				6.9e-10
	8	6698413	A		0.510	0.013	0.002	
rs4841133	8	9183664	G	Α	0.909	0.039	0.004	9.6e-25
rs1864585	8	10732905	G	A	0.742	-0.022	0.002	7.8e-19
rs34215892	8	21767240	A	G	0.028	0.044	0.007	3.4e-11
rs13272050	8	23406241	Т	С	0.171	0.017	0.003	4.9e-09
rs6468341	8	30279355	С	Т	0.742	0.016	0.002	1.1e-10
rs4737009	8	41630405	Α	G	0.236	-0.025	0.003	1.6e-23
rs45577137	8	48651633	G	Α	0.045	0.066	0.006	3.6e-32
rs7846314	8	61650831	Τ	Α	0.187	0.067	0.003	4.8e-128
rs2953475	8	79638138	Α	С	0.250	-0.031	0.002	2.1e-35
rs667927	8	103912414	Τ	Α	0.366	-0.015	0.002	8.6e-12
rs2954027	8	126485294	Α	Т	0.468	0.027	0.002	1e-34
rs4871622	8	126618736	Τ	С	0.666	0.014	0.002	1.1e-09
rs16904123	8	130607775	Τ	G	0.187	0.034	0.003	5.2e-34
rs13276309	8	142338552	G	Α	0.359	-0.014	0.002	3.9e-10
rs385893	9	4763176	Č	Т	0.524	0.026	0.002	1.4e-33
rs2066361	9	6218960	Ä	Ť	0.258	-0.017	0.002	2.7e-11
rs3731211	9	21986847	A	Ť	0.722	-0.027	0.002	4.7e-30
rs2065500	9	22145694	Ĝ	Å	0.722	0.032	0.002	4.4e-27
rs10971930	9	34116083	C	Ť	0.138	-0.027	0.003	3.3e-17
rs2585668	9	38200670	C	Ť			0.003	
					0.505	0.013		1.2e-09
rs10867416	9	82324152	С	Т	0.656	0.013	0.002	3.9e-09

rs61750929	9	91495135	T	С	0.056	0.060	0.005	8.4e-37
rs10980797	9	113912553	G	Α	0.489	0.023	0.002	1.8e-26
rs10817483	9	116097941	Α	С	0.357	-0.014	0.002	8.4e-10
rs72759286	9	126985858	С	Т	0.199	-0.022	0.003	2.5e-16
rs455381	9	136905577	Α	С	0.266	0.020	0.002	3.4e-16
rs3812565	9	139272502	С	Т	0.397	0.020	0.002	8.6e-20
rs61839660	10	6094697	Τ	С	0.098	0.032	0.004	8.4e-19
rs7916672	10	13534234	Т	С	0.600	0.013	0.002	1.1e-09
rs2807742	10	28781367	Α	G	0.770	0.018	0.003	1.4e-12
rs2288619	10	45939818	Т	С	0.070	0.027	0.004	3.1e-10
rs7084861	10	50303536	Τ	С	0.236	0.017	0.003	4.5e-11
rs10740054	10	63702586	Α	Τ	0.680	0.015	0.002	6.7e-11
rs4469770	10	65013912	G	Α	0.784	-0.021	0.003	4.9e-16
rs182049218	10	72332726	Τ	С	0.035	-0.037	0.006	4.2e-10
rs2802372	10	81047575	С	Α	0.436	-0.016	0.002	8.1e-13
rs1539330	10	94502738	Т	С	0.134	-0.022	0.003	3.3e-11
rs10882881	10	99010067	Α	Τ	0.600	0.020	0.002	1.8e-19
rs7912643	10	112027936	G	Α	0.358	-0.013	0.002	3e-09
rs10885079	10	112797803	Α	G	0.704	0.015	0.002	3.4e-10
rs11198861	10	121049819	Α	G	0.512	-0.015	0.002	2e-11
rs11245331	10	126382353	Α	G	0.110	0.032	0.003	1.2e-20
rs11603142	11	300228	G	С	0.342	0.014	0.002	2.4e-09
rs14408	11	308314	С	Т	0.368	0.037	0.002	6.2e-59
rs11599958	11	10358095	Τ	С	0.289	-0.014	0.002	3.8e-09
rs11033388	11	36074218	Τ	Α	0.418	-0.014	0.002	5.4e-11
rs11039216	11	47406592	Т	С	0.533	-0.013	0.002	3.3e-09
rs7396753	11	60021508	С	Т	0.592	0.016	0.002	3.2e-13
rs61897795	11	61618169	G	Α	0.164	-0.022	0.003	1.7e-14
rs7927894	11	76301316	Т	С	0.392	-0.014	0.002	9.3e-11
rs72996108	11	100452869	Α	С	0.097	0.023	0.004	3.6e-10
rs2606724	11	113957880	Α	G	0.455	0.019	0.002	2.4e-17
rs11243	11	119178640	G	Α	0.045	0.033	0.005	5.1e-10
rs58432776	11	122514281	Α	С	0.380	-0.032	0.002	4.4e-46
rs10790962	11	128385169	Α	G	0.469	-0.019	0.002	2.6e-17
rs34038797	12	740009	G	С	0.479	0.015	0.002	3e-12
rs2364482	12	6502131	Ğ	Ť	0.197	-0.035	0.003	1.4e-37
rs117266223	12	10543436	Т	Α	0.075	-0.035	0.004	7.4e-17
rs11045886	12	21386493	Ċ	Α	0.166	0.020	0.003	1.4e-11
rs113736796	12	48213720	Ğ	C	0.039	0.047	0.006	2.9e-16
rs1793937	12	48375475	Ğ	Č	0.401	-0.015	0.002	3.4e-12
rs190801344	12	53735778	Ğ	Č	0.019	-0.051	0.008	3.2e-10
rs4761234	12	69732105	Č	Ť	0.485	0.024	0.002	2.1e-29
rs4842610	12	88811689	Ť	Ċ	0.705	-0.014	0.002	1.2e-09
rs35700167	12	108165223	Ť	Ğ	0.347	-0.014	0.002	3.8e-10
rs653178	12	112007756	Ť	Č	0.518	0.050	0.002	1.2e-120
rs28413626	12	123861452	À	Ğ	0.214	-0.026	0.003	1.8e-22
rs12428172	13	28645757	Ğ	Ä	0.544	0.013	0.002	2.4e-09
rs9549201	13	40977348	Č	T	0.634	0.015	0.002	1.2e-11
rs9532679	13	41522338	Č	À	0.150	0.032	0.003	4.9e-25
rs2044732	13	42833400	Ğ	A	0.130	0.032	0.003	1.8e-16
rs1570621	13	47170118	C	Ť	0.848	0.022	0.003	9.6e-10
rs9530281	13	74679161	A	Ġ	0.848	0.019	0.003	1.5e-19
rs2997995	13	114160506	T	C	0.710	0.022	0.002	1.5e-19 1.1e-13
rs7981577	13	114835802	Ċ	T	0.293	0.018	0.002	2.7e-11
rs2239630	14	23589349	G	A	0.437	-0.021	0.002	1.4e-21
rs2038700	14	25461989	C	T	0.394	0.021	0.002	4.5e-15
152030700	14	20401909	U	1	0.394	0.017	0.002	4.06-10

rs17091786	14	35565856	Т	Α	0.200	-0.021	0.003	1.9e-14
rs73267743	14	64978142	Τ	G	0.230	-0.021	0.003	1.1e-15
rs34765661	14	69852940	С	Τ	0.065	0.040	0.004	7.5e-20
rs175702	14	75971133	С	Α	0.532	-0.018	0.002	8.6e-17
rs10146346	14	93083572	Α	G	0.408	-0.013	0.002	1.2e-09
rs8008502	14	103359492	Α	G	0.202	-0.024	0.003	1.6e-18
rs4990175	14	103838509	Α	G	0.534	-0.014	0.002	3.6e-10
rs10851372	15	39246754	G	A	0.409	-0.013	0.002	1.2e-09
rs12440045	15	41782684	Č	Α	0.529	-0.018	0.002	4.7e-17
rs4924590	15	42233673	Ä	T	0.244	0.020	0.003	2.3e-15
rs28885693	15	51278413	A	Ġ	0.459	-0.013	0.002	1.3e-09
rs28727558	15	66016711	A	Ť	0.170	0.024	0.003	1.5e-16
rs4480762	15	75139426	Ğ	À	0.581	0.020	0.002	1.7e-19
rs168108	15	86183873	Ğ	C	0.651	0.016	0.002	6.2e-13
rs28539372	15	91021412	A	T	0.319	-0.025	0.002	3.2e-27
rs67175901	15	101748227	Ť	Ċ	0.108	0.039	0.002	6.1e-29
rs12935657	16	11219041	A	G	0.100	0.039	0.003	3.1e-11
rs61739285	16	27480797	T	C	0.246	-0.035	0.003	2.9e-09
		30482494	Ċ	T				2.9e-09 2.3e-25
rs11150589	16				0.517	-0.023	0.002	
rs74250734	16	50212589	G	T	0.095	-0.023	0.004	3.2e-10
rs36026517	16	74597758	С	G	0.198	0.022	0.003	1e-16
rs391855	16	85928621	T	A	0.423	0.043	0.002	6.1e-86
rs305064	16	85974142	С	Ţ	0.648	-0.022	0.002	2.4e-22
rs7202624	16	86016175	C	G	0.811	-0.023	0.003	8.2e-17
rs9905106	17	1373518	С	T	0.735	0.020	0.002	8e-17
rs9674744	17	2729980	Т	С	0.277	-0.016	0.002	1.7e-10
rs75921867	17	7241277	Т	С	0.163	0.019	0.003	8.8e-10
rs9910148	17	16169009	Α	G	0.476	-0.038	0.002	5.7e-70
rs8070995	17	17167492	Τ	С	0.137	-0.020	0.003	3.2e-10
rs113865680	17	29278821	С	Τ	0.204	-0.020	0.003	1.1e-12
rs4580194	17	38126477	G	Α	0.435	0.071	0.002	1e-200
rs11654706	17	38147293	G	Α	0.168	-0.021	0.003	4.2e-13
rs8067341	17	41079374	С	Τ	0.476	-0.017	0.002	2.8e-14
rs71375338	17	44332793	Α	G	0.269	0.028	0.002	1.3e-30
rs8178414	17	56345363	Т	С	0.013	0.100	0.010	2e-25
rs34097845	17	56358429	Т	С	0.057	0.054	0.005	1.9e-29
rs8079549	17	73066982	Τ	G	0.458	0.015	0.002	1.1e-11
rs4789294	17	74419177	G	Α	0.217	-0.020	0.003	5.7e-15
rs4969405	17	79122996	Т	G	0.420	0.014	0.002	7.2e-11
rs7231555	18	19699122	G	Α	0.088	0.026	0.004	2.8e-11
rs75763843	18	42062380	С	Α	0.129	0.031	0.003	1.2e-21
rs66836460	18	60837508	Ā	С	0.136	-0.023	0.003	8e-13
rs3177609	18	74071078	С	Ť	0.077	-0.028	0.004	2.6e-12
rs454854	18	77253866	Č	Ġ	0.679	0.015	0.002	4.5e-10
rs35140707	19	1078297	Ť	Č	0.100	0.038	0.004	2.5e-25
rs6510834	19	5008673	Ċ	T	0.657	0.025	0.002	1.2e-27
rs35251378	19	10459969	A	Ġ	0.293	-0.028	0.002	1.6e-32
rs345627	19	13917264	T	C	0.349	-0.020	0.002	7.5e-21
rs10423726	19	16444697	À	C	0.580	0.033	0.002	3.9e-48
rs7251806	19	16499569	Ť	Č	0.841	0.065	0.002	1.1e-108
rs79355165		18522031	G					
	19			A	0.120	0.027	0.003	2.2e-16
rs867616	19 10	19757682	T	С	0.177	-0.018	0.003	3.7e-10
rs12151289	19 10	33751852	C	G	0.030	0.059	0.006	8e-20
rs56898944	19	36662925	Α	T	0.114	0.022	0.004	2.8e-09
rs4760	19	44153100	G	Α	0.156	-0.050	0.003	7.5e-63
rs349048	19	44300937	Т	С	0.476	0.013	0.002	8.6e-10

rs7255933	19	45766729	Α	G	0.258	-0.015	0.002	1.7e-09
rs466477	19	47679798	С	Т	0.743	0.018	0.002	4e-13
rs8102492	19	49140809	С	Α	0.796	0.034	0.003	2.4e-36
rs4630833	20	1930798	С	Τ	0.263	0.032	0.002	5.3e-38
rs8114815	20	3757520	С	Τ	0.267	-0.018	0.002	2.5e-13
rs7261425	20	20068635	G	С	0.279	-0.018	0.002	2.8e-13
rs8114375	20	31196471	G	Α	0.394	-0.015	0.002	1e-10
rs6071837	20	38496424	G	Α	0.247	-0.015	0.003	1.7e-09
rs112111275	20	39198317	Α	G	0.064	-0.029	0.004	1e-10
rs2143606	20	42838550	G	Α	0.455	-0.022	0.002	9.9e-24
rs259967	20	57816060	С	Т	0.528	0.025	0.002	1.5e-29
rs6011066	20	62364180	Α	G	0.674	0.018	0.002	1.4e-14
rs1736148	21	16813212	С	Τ	0.430	-0.013	0.002	1e-09
rs2836884	21	40467643	С	Τ	0.276	-0.017	0.002	9.4e-12
rs5747308	22	18133500	С	Α	0.505	0.016	0.002	3.6e-13
rs5754104	22	21916361	Α	G	0.187	0.026	0.003	4.3e-21
rs118839	22	28380770	С	Т	0.482	0.014	0.002	1.4e-10
rs4823076	22	30519414	Α	G	0.606	-0.022	0.002	1.6e-23
rs5757886	22	40636076	С	Т	0.748	0.018	0.002	1.2e-13
rs5758307	22	41750219	G	Α	0.229	-0.026	0.003	3.4e-23

Table S17. 371 SNPs significantly associated with monocyte percentage of white cells used IVs in forward MR analyses derived from Vuckovic D et al. Chr: Chromosome; EA: Effect allele; NEA: Non-effect allele; EAF: Effect allele frequency.

Chromosome	e; EA:	Effect allel	e; Ni			ct allele		Effect alle
SNP	Chr	Pos	EΑ	NEA	EAF	Beta	SE	P-value
rs67289919	1	2954208	Α	G	0.183	0.017	0.003	9.3e-10
rs12124851	1	8903931	G	Α	0.316	0.016	0.002	1.2e-11
rs79412885	1	9241839	Α	G	0.073	0.046	0.004	6.7e-29
rs6703602	1	10378451	G	С	0.127	0.025	0.003	9.2e-15
rs2501299	1	22345647	Т	C	0.661	0.019	0.002	5.8e-17
rs12140788	1	23659214	À	C	0.182	-0.022	0.003	7.5e-16
rs7416513	1	26647949	C	Ğ	0.762	0.034	0.002	7.5e-44
rs78169804	1	27155747	Ť	Ğ	0.081	0.038	0.004	1.4e-22
rs3917932	1	36943916	Ġ	Č	0.577	0.025	0.002	6e-31
rs11800162	1	36970512	T	C	0.020	-0.052	0.002	1.6e-11
rs11209092	1	41346344	Ċ	T	0.599	-0.032	0.002	3.8e-12
rs11206004	1	53210958	A	Ġ	0.470	-0.013	0.002	1.2e-09
rs7516441	1	60140247	Ā	G	0.470	0.013	0.002	3.8e-16
rs11579758			A			0.027		
	1	65445542	T	G	0.757		0.002	3.7e-12
rs1892534	1	66105944		С	0.375	0.021	0.002	3.8e-22
rs17391694	1	78623626	T	С	0.138	-0.018	0.003	4.6e-09
rs12118443	1	90038588	A	G	0.489	-0.015	0.002	3.6e-12
rs17575497	1	92315896	T	С	0.013	0.365	0.010	1e-200
rs143705965	1	93055538	T	С	0.029	-0.125	0.006	1.5e-84
rs4847398	1	93578402	T	С	0.620	0.018	0.002	3.3e-17
rs11166469	1	100991634	С	G	0.756	0.017	0.002	5.2e-12
rs663045	1	108743059	С	G	0.534	-0.018	0.002	1.1e-16
rs11102144	1	111195493	G	Α	0.169	-0.023	0.003	5e-16
rs11464707	1	118161020	G	T	0.164	0.027	0.003	3.6e-21
rs11204682	1	150595537	Τ	G	0.223	-0.064	0.003	1e-140
rs3014880	1	153344374	G	С	0.116	0.038	0.003	7.3e-31
rs12741203	1	161139951	Τ	С	0.300	0.024	0.002	8.7e-25
rs5030738	1	161599654	Τ	G	0.018	-0.064	0.008	1.3e-15
rs12725126	1	179427632	Α	G	0.188	-0.016	0.003	4.1e-09
rs2281415	1	185392845	Τ	С	0.321	-0.023	0.002	3.4e-23
rs79273924	1	198639132	Τ	С	0.044	-0.033	0.005	5.8e-10
rs11582805	1	205653056	Τ	С	0.460	0.019	0.002	3.1e-19
rs1663626	1	212422567	Α	С	0.399	0.026	0.002	8e-34
rs2738752	1	221052765	G	Α	0.331	-0.027	0.002	4.6e-33
rs113292043	1	223231657	Т	С	0.067	-0.028	0.004	3e-11
rs34791963	1	224662703	С	T	0.252	-0.016	0.002	1e-10
rs12593	1	227172290	Ť	Ċ	0.465	0.017	0.002	3.2e-13
rs72749964	1	234740975	À	Ğ	0.189	0.023	0.003	6.5e-17
rs4626924	1	234909298	T	Č	0.551	-0.036	0.002	1.7e-63
rs6429432	1	236107241	Ċ	Ä	0.892	-0.053	0.003	5.8e-56
rs113566032	1	247495385	Č	T	0.376	0.021	0.002	2e-21
rs3811444	1	248039451	T	Ċ	0.334	-0.015	0.002	5.6e-12
rs186975	2	8442736	Ċ	Ğ	0.394	0.017	0.002	1.7e-15
rs138730630	2	24250088	A	G	0.133	-0.038	0.002	4.6e-34
rs56180058	2	25337155	Ť	C	0.160	0.018	0.003	1.4e-09
rs1260326	2	27730940	Ċ	T	0.606	0.040	0.003	5e-78
rs6715862	2	42328575	G	A	0.505	0.040	0.002	1.9e-10
rs28498283	2	43360065	T		0.505		0.002	1.9e-10 1.5e-31
				A		0.029		
rs6750285	2	64920032	A	G	0.244	0.024	0.002	3.7e-22
rs79709502	2	65087232	G	С	0.222	0.015	0.003	3e-09
rs11694714	2	65663936	Т	С	0.328	-0.019	0.002	1.2e-17

rs72844410	2	85723006	С	T	0.204	0.018	0.003	2.3e-11
rs7593080	2	86145787	Т	С	0.572	0.016	0.002	6.5e-14
rs62153700	2	96581338	Τ	С	0.305	0.018	0.002	8.3e-15
rs3789098	2	111738371	Α	G	0.159	-0.048	0.003	1.2e-60
rs150449635	2	111752151	С	Т	0.022	0.148	0.008	1.6e-86
rs140796214	2	111861072	Т	Α	0.017	0.071	0.008	6.4e-17
rs72836346	2	111876613	С	G	0.078	0.051	0.004	4.5e-37
rs7604081	2	127866535	С	Т	0.056	-0.036	0.005	4.8e-15
rs7604460	2	136773638	С	Т	0.115	-0.023	0.003	5.9e-12
rs2056295	2	136886897	G	Α	0.737	-0.044	0.002	1.2e-74
rs146048066	2	145277924	G	Α	0.036	0.040	0.006	2.4e-10
rs13000983	2	148561383	Č	Т	0.295	0.017	0.002	6.3e-13
rs10185155	2	160553228	Ā	Ğ	0.374	-0.032	0.002	4.6e-50
rs4664330	2	161333128	C	Ğ	0.316	-0.020	0.002	1e-18
rs13023380	2	163154363	Ä	Ğ	0.518	0.014	0.002	2.8e-11
rs11680095	2	181825956	T	Č	0.593	0.026	0.002	1.9e-32
rs6740847	2	182308352	Ġ	A	0.564	0.020	0.002	1e-200
rs12693280	2	182424718	Ğ	Â	0.689	-0.022	0.002	3.3e-22
rs190303734	2	203491226	T	Ā	0.009	0.019	0.002	1.3e-22
	2	219020958	T T	C				
rs114050631					0.011	0.117	0.011	1e-27
rs10206184	2	225748532	Α	T	0.157	-0.035	0.003	1.4e-32
rs6742228	2	232267116	G	Α	0.327	-0.013	0.002	3e-09
rs11693819	2	232566206	A	G	0.186	0.018	0.003	2.6e-11
rs3749171	2	241569692	Ţ	С	0.182	-0.032	0.003	1.5e-31
rs1584063	3	12266855	Α	G	0.456	-0.014	0.002	3.2e-11
rs11721007	3	14260417	Α	G	0.335	0.020	0.002	4.5e-18
rs12485694	3	24346109	G	Α	0.583	-0.017	0.002	7.6e-15
rs10510607	3	28286261	Т	С	0.174	-0.017	0.003	4.1e-10
rs73058593	3	39281374	С	G	0.217	0.033	0.003	4.1e-37
rs2228467	3	42906116	С	Τ	0.061	0.149	0.004	1e-200
rs34847985	3	45949753	G	Α	0.260	-0.020	0.002	1.2e-15
rs2213290	3	46406367	Τ	С	0.409	0.046	0.002	1.4e-96
rs9853113	3	57397738	Α	Т	0.462	-0.015	0.002	2.4e-12
rs13079034	3	71813219	Τ	С	0.112	-0.027	0.003	1.7e-15
rs55890339	3	72386266	Т	С	0.222	0.024	0.003	4e-20
rs73133996	3	98429219	С	G	0.440	0.015	0.002	7.9e-13
rs1456117	3	123078908	Т	G	0.217	-0.017	0.003	3.4e-11
rs2939820	3	128127643	Α	G	0.294	-0.016	0.002	8e-12
rs72983394	3	128226451	С	Т	0.023	-0.068	0.007	1.1e-21
rs2712421	3	128287743	Т	G	0.654	0.069	0.002	1e-200
rs116026278	3	128323904	Ť	Č	0.014	0.064	0.009	4.1e-13
rs9828891	3	140967436	Ť	Č	0.568	0.013	0.002	6.5e-10
rs11916906	3	141314133	Ť	Ä	0.401	-0.029	0.002	1.1e-39
rs115379740	3	152031848	Ċ	T	0.021	0.044	0.007	4e-09
rs9290357	3	168819643	Ğ	Ť	0.889	0.021	0.003	7.5e-10
rs12490581	3	169565030	A	Ġ	0.318	0.014	0.002	8.9e-10
rs79287178	3	172294500	A	G	0.031	-0.057	0.002	4.7e-19
rs939334	3	183749731	Ĉ	T	0.328	-0.037	0.000	1.4e-16
rs12485444	3	188135783	A	Ť	0.545	-0.019	0.002	1.4e-10 1.1e-40
rs114503621	4	730272	С	T	0.314	-0.028	0.002	1e-33
rs871134	4	7044380	T	С	0.574	0.029	0.002	2.9e-41
rs79804860	4	26306658	T	Ç	0.049	0.030	0.005	1.4e-09
rs28478131	4	38039008	С	A	0.314	-0.013	0.002	3.4e-09
rs10213458	4	38366390	G	Α	0.682	-0.018	0.002	4.7e-15
rs7686818	4	38682612	G	Α	0.809	-0.019	0.003	4.1e-12
rs2711981	4	39039258	Т	С	0.663	-0.018	0.002	5.7e-15

rs16850073	9 5
rs4693593	5
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rs11723120 4 103502551 A G 0.375 -0.025 0.002 3.7e-29	
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rs28722705 5 55453942 T A 0.148 0.031 0.003 9.4e-26	3
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rs6579771 5 149482262 T C 0.267 0.035 0.002 4.8e-49	9
rs193549 5 149500236 T C 0.323 -0.054 0.002 4.6e-12	23
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rs2783019 6 107422239 C G 0.336 -0.020 0.002 5.5e-19	`
rs149110519 6 144385777 T C 0.036 0.107 0.006 1.6e-76)
rs2292334 6 160858188 A G 0.390 -0.015 0.002 1e-11	,
rs2273215 6 170586082 A G 0.459 -0.013 0.002 3.5e-09	
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rs10259620 7 27202289 G A 0.787 0.017 0.003 7e-11	_
rs498475 7 28256240 A G 0.632 -0.018 0.002 1.2e-15	
rs2158799 7 28277107 G C 0.610 -0.019 0.002 7.8e-19	
rs56388170 7 28724374 T G 0.292 -0.039 0.002 1.2e-62	
rs73109480 7 44811221 T C 0.071 0.029 0.004 4.9e-12	
rs1870027 7 50258234 A G 0.312 -0.079 0.002 1e-200	
rs149007767 7 50370254 T C 0.162 -0.092 0.003 1e-200	
rs11766800 7 50435617 T A 0.322 0.026 0.002 4.1e-3	1

rs41430449	7	50798525	G	С	0.067	-0.034	0.004	1.7e-15
rs2690418	7	65181112	С	G	0.544	-0.014	0.002	2.4e-11
rs33951980	7	73029437	Τ	С	0.130	0.038	0.003	3.3e-33
rs2282979	7	92264993	С	Т	0.269	-0.041	0.002	2.8e-66
rs12532293	7	106886032	С	Т	0.518	0.015	0.002	4.4e-12
rs3778754	7	128575552	G	С	0.467	0.013	0.002	1.7e-09
rs8180748	7	134740199	Α	С	0.485	-0.014	0.002	1.2e-10
rs7785014	7	137881690	С	Т	0.672	-0.026	0.002	9.5e-31
rs9640381	7	143082027	С	Т	0.488	0.014	0.002	1.2e-11
rs4840638	8	6698248	Ğ	Ť	0.536	-0.033	0.002	6.8e-53
rs17078436	8	6827165	Č	Ť	0.016	0.100	0.009	2e-31
rs7826487	8	6880925	Ğ	À	0.116	-0.061	0.003	8.3e-76
rs6988319	8	6915673	Ğ	Ĉ	0.608	0.021	0.002	1.7e-21
rs11774798	8	21758823	G	Č	0.222	0.021	0.002	7.6e-15
rs72607398	8	22941873	G		0.222		0.003	3.1e-18
				С		0.023		
rs55650056	8	23080829	G	С	0.185	0.017	0.003	5.9e-10
rs7007639	8	38820363	Ţ	С	0.447	-0.013	0.002	4.5e-09
rs145718079	8	48641192	Α	G	0.010	-0.097	0.011	8.1e-18
rs45577137	8	48651633	G	Α	0.045	-0.082	0.005	1.8e-50
rs2719233	8	56886156	G	Α	0.193	0.020	0.003	9.1e-14
rs10100873	8	59464803	G	Τ	0.305	0.014	0.002	6.7e-10
rs7846314	8	61650831	Τ	Α	0.187	-0.049	0.003	1.4e-73
rs6990105	8	79601887	С	Т	0.814	0.020	0.003	2.4e-13
rs10103921	8	82041714	G	Α	0.419	-0.017	0.002	3.1e-15
rs6469603	8	116596188	Τ	С	0.563	-0.033	0.002	7.5e-54
rs28393360	8	126619477	Α	Т	0.477	-0.019	0.002	4.7e-19
rs10094748	8	130454047	С	G	0.084	-0.026	0.004	1.4e-11
rs7843207	8	130570063	Ä	Č	0.506	-0.065	0.002	1e-200
rs837224	8	130971985	A	Ğ	0.770	-0.016	0.003	1.2e-10
rs11136301	8	144650510	Α	G	0.346	-0.013	0.002	2.5e-09
rs4741775	9	307266	Ğ	A	0.702	0.021	0.002	4.2e-20
rs12005199	9	4763491	A	Ğ	0.702	-0.017	0.002	2.4e-12
rs1887428	9	4984530	Ĉ	G	0.625	0.017	0.002	4.1e-11
rs3731246	9	21971989	G	C	0.105	-0.024	0.003	1.9e-12
rs10965258	9	22153663	G	Α	0.073	0.043	0.004	1.2e-25
rs11557154	9	34107505	T	С	0.127	0.032	0.003	2.8e-23
rs10780209	9	91472127	Α	G	0.477	0.040	0.002	2.3e-81
rs7029413	9	91558264	Α	G	0.322	-0.019	0.002	3.6e-17
rs34374605	9	113338631	Α	G	0.050	-0.033	0.005	2.7e-11
rs118012336	9	113731641	С	Τ	0.013	0.064	0.010	2.5e-11
rs10126013	9	113838318	Α	G	0.596	0.068	0.002	1e-200
rs1930303	9	114071879	Α	G	0.663	-0.061	0.002	2.7e-160
rs75943501	9	114162372	G	Α	0.052	0.056	0.005	1.4e-31
rs4979025	9	114421035	G	Т	0.559	0.022	0.002	1.1e-24
rs72759286	9	126985858	С	Т	0.199	0.044	0.003	5.8e-62
rs10739694	9	130526605	G	Α	0.588	-0.017	0.002	5.2e-15
rs12216891	9	136127366	Ť	С	0.059	-0.037	0.005	3.4e-16
rs1038193	9	137855206	Ġ	Č	0.264	-0.016	0.002	2.9e-11
rs3812591	9	139341612	Č	T	0.275	-0.026	0.002	6.8e-29
rs71477838	10	3827920	T	Ċ	0.273	-0.020	0.002	1.7e-10
rs11598318		7544309	A		0.140	-0.019	0.005	1.7e-10 1.4e-09
	10			С				
rs2646424	10	8463115	C	G	0.326	-0.026	0.002	1.3e-29
rs2094285	10	22418702	A	G	0.225	0.023	0.003	4.5e-20
rs2807740	10	28784483	T	C	0.769	-0.019	0.003	6.9e-14
rs1184089	10	61645590	G	Α	0.673	-0.017	0.002	2e-14
rs4595427	10	65012944	С	Α	0.472	0.020	0.002	2.7e-21

Table	rs3747866	10	73521578	Α	G	0.061	0.028	0.004	4.5e-10
Sat 13452214 10									
F8370527799 10									
FST1189155 10 99108947 A G 0.257 0.031 0.002 1.6e-37 1.511817777 10 101264592 T C 0.107 0.029 0.003 1.6e-17 1.5118191141 10 101292390 T C 0.372 -0.038 0.002 1.3e-68 1.51187142 10 121353054 T C 0.541 -0.019 0.002 1.5e-68 1.523781454 10 126348565 A G 0.681 -0.019 0.002 4.1e-17 1.57115703 11 306920 A T 0.513 -0.053 0.002 6.8e-139 1.5907612 11 1874221 T C 0.380 -0.029 0.002 5.2e-39 1.5246580 11 51584437 A G 0.947 0.032 0.005 3.1e-10 1.51373064 11 61589481 G A 0.314 0.027 0.002 2.7e-24 1.51373064 11 61589481 G A 0.314 0.027 0.002 2.5e-39 1.5246580 11 72946279 C T 0.049 -0.040 0.005 2.5e-16 1.52660724 11 113957880 A G 0.455 -0.033 0.002 4.9e-51 1.52518609 A 0.37669868 11 114040394 G A 0.170 -0.026 0.003 1.1e-19 1.52518609 A 0.387 0.024 0.002 7.1e-29 1.52518609 A 0.387 0.024 0.003 3.2e-16 1.52518609 A 0.387 0.049 0.003 3.2e-16 1.52518609 A 0.387 0.040 0.003 3.2e-16 1.52518609 A 0.385181612 A 0.0551818091 A 0.000									
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rs138028125 13 28712689 G C 0.035 0.109 0.006 4.5e-74 rs1892548 13 41002641 C T 0.657 -0.064 0.002 2.2e-175 rs9532580 13 41244260 C T 0.264 -0.036 0.002 6.9e-51 rs809845 13 50724055 T C 0.443 0.015 0.002 5e-13 rs73217470 13 72513420 G A 0.047 0.070 0.005 2.1e-43 rs111371822 13 92005134 G A 0.117 0.030 0.003 5.2e-19 rs9521345 13 110039905 A G 0.354 -0.026 0.002 6.7e-32 rs76760541 13 114816003 A G 0.414 0.014 0.002 2.1e-11 rs2239630 14 23589349 G A 0.558 0.051 0.002 5.1e-126 <		13	28604007	С	Τ	0.013	0.483	0.010	1e-200
rs1892548 13 41002641 C T 0.657 -0.064 0.002 2.2e-175 rs9532580 13 41244260 C T 0.264 -0.036 0.002 6.9e-51 rs809845 13 50724055 T C 0.443 0.015 0.002 5e-13 rs73217470 13 72513420 G A 0.047 0.070 0.005 2.1e-43 rs111371822 13 92005134 G A 0.117 0.030 0.003 5.2e-19 rs9521345 13 110039905 A G 0.354 -0.026 0.002 6.7e-32 rs76760541 13 114191214 G A 0.169 -0.020 0.003 4.8e-12 rs6560956 13 114816003 A G 0.414 0.014 0.002 2.1e-11 rs2239630 14 23589349 G A 0.558 0.051 0.002 4.7e-15 <t< td=""><td>rs17086242</td><td>13</td><td>28611221</td><td>С</td><td>Τ</td><td>0.041</td><td>-0.057</td><td>0.005</td><td>1.9e-26</td></t<>	rs17086242	13	28611221	С	Τ	0.041	-0.057	0.005	1.9e-26
rs9532580 13 41244260 C T 0.264 -0.036 0.002 6.9e-51 rs809845 13 50724055 T C 0.443 0.015 0.002 5e-13 rs73217470 13 72513420 G A 0.047 0.070 0.005 2.1e-43 rs111371822 13 92005134 G A 0.117 0.030 0.003 5.2e-19 rs9521345 13 110039905 A G 0.354 -0.026 0.002 6.7e-32 rs76760541 13 114191214 G A 0.169 -0.020 0.003 4.8e-12 rs6560956 13 114816003 A G 0.414 0.014 0.002 2.1e-11 rs2239630 14 23589349 G A 0.558 0.051 0.002 5.1e-126 rs8015119 14 35568788 T C 0.109 -0.032 0.003 1.9e-21 <t< td=""><td>rs138028125</td><td>13</td><td>28712689</td><td>G</td><td>С</td><td>0.035</td><td>0.109</td><td>0.006</td><td>4.5e-74</td></t<>	rs138028125	13	28712689	G	С	0.035	0.109	0.006	4.5e-74
rs809845 13 50724055 T C 0.443 0.015 0.002 5e-13 rs73217470 13 72513420 G A 0.047 0.070 0.005 2.1e-43 rs111371822 13 92005134 G A 0.117 0.030 0.003 5.2e-19 rs9521345 13 110039905 A G 0.354 -0.026 0.002 6.7e-32 rs76760541 13 114191214 G A 0.169 -0.020 0.003 4.8e-12 rs6560956 13 114816003 A G 0.414 0.014 0.002 2.1e-11 rs2239630 14 23589349 G A 0.558 0.051 0.002 5.1e-126 rs2038700 14 25461989 C T 0.394 0.017 0.002 4.7e-15 rs8015119 14 35568788 T C 0.109 -0.032 0.003 1.9e-21 <td< td=""><td>rs1892548</td><td>13</td><td>41002641</td><td></td><td>Τ</td><td>0.657</td><td>-0.064</td><td>0.002</td><td>2.2e-175</td></td<>	rs1892548	13	41002641		Τ	0.657	-0.064	0.002	2.2e-175
rs73217470 13 72513420 G A 0.047 0.070 0.005 2.1e-43 rs111371822 13 92005134 G A 0.117 0.030 0.003 5.2e-19 rs9521345 13 110039905 A G 0.354 -0.026 0.002 6.7e-32 rs76760541 13 114191214 G A 0.169 -0.020 0.003 4.8e-12 rs6560956 13 114816003 A G 0.414 0.014 0.002 2.1e-11 rs2239630 14 23589349 G A 0.558 0.051 0.002 5.1e-126 rs2038700 14 25461989 C T 0.394 0.017 0.002 4.7e-15 rs8015119 14 35568788 T C 0.109 -0.032 0.003 1.9e-21 rs7146939 14 65583581 C T 0.581 0.013 0.002 9.7e-10	rs9532580	13	41244260	С	Τ	0.264	-0.036	0.002	6.9e-51
rs111371822 13 92005134 G A 0.117 0.030 0.003 5.2e-19 rs9521345 13 110039905 A G 0.354 -0.026 0.002 6.7e-32 rs76760541 13 114191214 G A 0.169 -0.020 0.003 4.8e-12 rs6560956 13 114816003 A G 0.414 0.014 0.002 2.1e-11 rs2239630 14 23589349 G A 0.558 0.051 0.002 5.1e-126 rs2038700 14 25461989 C T 0.394 0.017 0.002 4.7e-15 rs8015119 14 35568788 T C 0.109 -0.032 0.003 1.9e-21 rs7146939 14 65583581 C T 0.581 0.013 0.002 9.7e-10 rs150362244 14 69884941 G A 0.065 -0.035 0.004 3.1e-16	rs809845	13	50724055	Т	С	0.443	0.015	0.002	5e-13
rs9521345 13 110039905 A G 0.354 -0.026 0.002 6.7e-32 rs76760541 13 114191214 G A 0.169 -0.020 0.003 4.8e-12 rs6560956 13 114816003 A G 0.414 0.014 0.002 2.1e-11 rs2239630 14 23589349 G A 0.558 0.051 0.002 5.1e-126 rs2038700 14 25461989 C T 0.394 0.017 0.002 4.7e-15 rs8015119 14 35568788 T C 0.109 -0.032 0.003 1.9e-21 rs7146939 14 65583581 C T 0.581 0.013 0.002 9.7e-10 rs150362244 14 69884941 G A 0.065 -0.035 0.004 3.1e-16	rs73217470	13	72513420	G	Α	0.047	0.070	0.005	2.1e-43
rs9521345 13 110039905 A G 0.354 -0.026 0.002 6.7e-32 rs76760541 13 114191214 G A 0.169 -0.020 0.003 4.8e-12 rs6560956 13 114816003 A G 0.414 0.014 0.002 2.1e-11 rs2239630 14 23589349 G A 0.558 0.051 0.002 5.1e-126 rs2038700 14 25461989 C T 0.394 0.017 0.002 4.7e-15 rs8015119 14 35568788 T C 0.109 -0.032 0.003 1.9e-21 rs7146939 14 65583581 C T 0.581 0.013 0.002 9.7e-10 rs150362244 14 69884941 G A 0.065 -0.035 0.004 3.1e-16	rs111371822	13	92005134	G				0.003	5.2e-19
rs76760541 13 114191214 G A 0.169 -0.020 0.003 4.8e-12 rs6560956 13 114816003 A G 0.414 0.014 0.002 2.1e-11 rs2239630 14 23589349 G A 0.558 0.051 0.002 5.1e-126 rs2038700 14 25461989 C T 0.394 0.017 0.002 4.7e-15 rs8015119 14 35568788 T C 0.109 -0.032 0.003 1.9e-21 rs7146939 14 65583581 C T 0.581 0.013 0.002 9.7e-10 rs150362244 14 69884941 G A 0.065 -0.035 0.004 3.1e-16	rs9521345	13	110039905	Α				0.002	
rs6560956 13 114816003 A G 0.414 0.014 0.002 2.1e-11 rs2239630 14 23589349 G A 0.558 0.051 0.002 5.1e-126 rs2038700 14 25461989 C T 0.394 0.017 0.002 4.7e-15 rs8015119 14 35568788 T C 0.109 -0.032 0.003 1.9e-21 rs7146939 14 65583581 C T 0.581 0.013 0.002 9.7e-10 rs150362244 14 69884941 G A 0.065 -0.035 0.004 3.1e-16	rs76760541		114191214	G				0.003	
rs2239630 14 23589349 G A 0.558 0.051 0.002 5.1e-126 rs2038700 14 25461989 C T 0.394 0.017 0.002 4.7e-15 rs8015119 14 35568788 T C 0.109 -0.032 0.003 1.9e-21 rs7146939 14 65583581 C T 0.581 0.013 0.002 9.7e-10 rs150362244 14 69884941 G A 0.065 -0.035 0.004 3.1e-16								0.002	
rs2038700 14 25461989 C T 0.394 0.017 0.002 4.7e-15 rs8015119 14 35568788 T C 0.109 -0.032 0.003 1.9e-21 rs7146939 14 65583581 C T 0.581 0.013 0.002 9.7e-10 rs150362244 14 69884941 G A 0.065 -0.035 0.004 3.1e-16									
rs8015119 14 35568788 T C 0.109 -0.032 0.003 1.9e-21 rs7146939 14 65583581 C T 0.581 0.013 0.002 9.7e-10 rs150362244 14 69884941 G A 0.065 -0.035 0.004 3.1e-16									
rs7146939 14 65583581 C T 0.581 0.013 0.002 9.7e-10 rs150362244 14 69884941 G A 0.065 -0.035 0.004 3.1e-16									
rs150362244 14 69884941 G A 0.065 -0.035 0.004 3.1e-16									

rs8016326	14	103846716	Α	G	0.737	0.055	0.002	3.2e-113
rs55633823	14	105954705	Т	С	0.251	0.016	0.002	2.3e-10
rs484943	15	40398754	С	Т	0.662	0.022	0.002	3.9e-21
rs149698681	15	42651900	С	G	0.021	0.103	0.008	8.6e-42
rs150844304	15	43726625	С	Α	0.025	-0.059	0.007	4.9e-18
rs3743044	15	50773787	G	Α	0.028	0.046	0.006	1.7e-12
rs1533378	15	64646777	Т	С	0.879	0.039	0.003	2.2e-32
rs12594547	15	65784751	Α	G	0.185	-0.035	0.003	1.6e-37
rs3765066	15	75140854	Α	G	0.672	-0.022	0.002	2.5e-22
rs11854390	15	80224817	Τ	С	0.564	0.038	0.002	1.6e-69
rs7180804	15	80259074	Α	G	0.258	-0.078	0.002	1e-200
rs338555	15	86236101	Α	G	0.636	-0.020	0.002	2.4e-20
rs11856737	15	99094203	G	С	0.183	0.023	0.003	2.6e-17
rs3784526	15	101716797	Α	G	0.107	-0.044	0.003	6.8e-37
rs8047143	16	1349659	G	Τ	0.277	-0.015	0.002	3.1e-10
rs12599911	16	4062436	Т	G	0.567	-0.019	0.002	2.8e-19
rs8049116	16	4150530	Т	С	0.117	0.028	0.003	5.1e-17
rs12325238	16	10981518	Α	С	0.265	0.019	0.002	2e-15
rs28449958	16	28528781	Α	G	0.343	-0.013	0.002	4.7e-09
rs9783783	16	30078492	С	G	0.502	-0.013	0.002	1.7e-09
rs12598049	16	53316854	G	Α	0.299	-0.020	0.002	1.4e-17
rs12924604	16	74601486	Α	G	0.198	-0.032	0.003	3.4e-34
rs374029	16	85725953	Α	G	0.297	0.018	0.002	1.2e-14
rs428578	16	85917944	G	A	0.348	-0.077	0.002	1e-200
rs305071	16	85949271	Α	G	0.120	-0.108	0.003	1e-200
rs2176777	16	86012521	С	G	0.813	0.056	0.003	3.2e-95
rs16940328	16	86076108	Α	G	0.113	0.035	0.003	6.6e-26
rs3743860	16	89818491	С	Т	0.416	0.013	0.002	4.3e-09
rs9900036	17	4739161	G	Т	0.344	-0.014	0.002	1.2e-09
rs61759532	17	7240391	Т	С	0.247	0.022	0.003	5.5e-18
rs74480102	17	7742601	Α	G	0.043	0.068	0.005	4.4e-39
rs541313781	17	16749390	G	Α	0.028	-0.048	0.008	2e-10
rs2948542	17	25856486	G	Α	0.587	-0.018	0.002	2.6e-17
rs894606	17	27909352	Т	С	0.420	0.015	0.002	9.3e-13
rs7218453	17	32535460	Т	A	0.221	-0.028	0.003	1.3e-27
rs57968500	17	38145828	Ġ	Α	0.388	-0.066	0.002	1e-200
rs79364306	17	41627966	Т	С	0.060	-0.027	0.004	2.2e-09
rs4997213	17	44186267	Α	G	0.180	-0.020	0.003	1.2e-13
rs11656379	17	47273515	G	A	0.162	-0.019	0.003	4.3e-11
rs8178414	17	56345363	Т	С	0.013	-0.070	0.009	1.1e-13
rs34097845	17	56358429	Ť	Č	0.057	-0.137	0.005	4.3e-184
rs7216675	17	57882674	С	Т	0.079	-0.058	0.004	6.3e-49
rs734232	17	72765731	Α	G	0.463	-0.020	0.002	1.7e-21
rs79647649	17	80295875	С	Ť	0.042	-0.047	0.005	3.1e-19
rs12946146	17	81079703	Ť	Ċ	0.486	0.055	0.002	1.2e-125
rs149519071	17	81152877	Ċ	Ť	0.331	0.020	0.003	3.9e-10
rs238135	18	3448979	Č	Ť	0.290	-0.020	0.002	1.5e-16
rs303752	18	21074255	Ä	Ġ	0.408	0.016	0.002	3.5e-13
rs4800173	18	21619931	G	Ä	0.804	0.021	0.003	2.7e-14
rs8098694	18	60780199	Ä	Ğ	0.441	-0.016	0.002	2e-13
rs954954	18	60902328	C	A	0.105	-0.028	0.003	2.5e-16
rs17758695	18	60920854	T	C	0.029	-0.073	0.006	1.6e-31
rs3177609	18	74071078	Ċ	T	0.077	0.058	0.004	9.9e-49
rs3786228	18	77464170	Č	Ť	0.383	-0.022	0.002	3.1e-23
rs138303849	19	837174	Č	Ġ	0.254	0.028	0.002	2.7e-28
rs376882860	19	3174514	T	C	0.080	-0.033	0.003	1.7e-13
13010002000	10	0117017			0.000	-0.000	0.004	1.70-10

rs57900491	19	4995295	Τ	Α	0.341	-0.018	0.002	5.4e-15
rs413141	19	6675989	G	Α	0.863	0.033	0.003	1.5e-26
rs3786602	19	16730196	С	Τ	0.346	-0.015	0.002	4e-12
rs11666267	19	17660300	Α	G	0.566	-0.014	0.002	1.9e-10
rs11086102	19	18398628	С	G	0.633	0.035	0.002	3.2e-57
rs3859570	19	18510925	С	Τ	0.425	-0.045	0.002	4.1e-96
rs7256148	19	30345526	G	Α	0.498	-0.014	0.002	7.5e-11
rs62126615	19	33749710	Τ	С	0.167	0.028	0.003	3.4e-22
rs12151289	19	33751852	С	G	0.030	-0.094	0.006	7.9e-50
rs8103728	19	33900257	G	С	0.670	0.015	0.002	9e-12
rs28528757	19	36732215	Α	G	0.226	-0.016	0.003	8.9e-11
rs4760	19	44153100	G	Α	0.156	0.045	0.003	8.8e-54
rs62116961	19	44283843	С	G	0.376	-0.043	0.002	1.1e-83
rs12982781	19	45786555	С	Т	0.339	-0.024	0.002	1.1e-26
rs73052804	19	52155401	Τ	С	0.072	-0.025	0.004	1.9e-09
rs62143206	19	54326212	Τ	G	0.211	-0.078	0.003	1.6e-196
rs602444	19	55246731	Α	С	0.614	-0.017	0.002	3.7e-12
rs1883932	20	8609588	Τ	Α	0.508	-0.015	0.002	6e-12
rs6121172	20	30296095	С	Α	0.288	-0.020	0.002	2.9e-17
rs4911236	20	31082056	Α	G	0.308	-0.034	0.002	2e-46
rs61114499	20	31192357	Α	G	0.259	0.060	0.002	1.4e-132
rs4142441	20	42839620	G	Α	0.151	0.044	0.003	1.6e-47
rs932905	20	48796131	Α	G	0.281	0.022	0.002	2.3e-20
rs17196752	20	48887268	Τ	С	0.189	-0.079	0.003	1.9e-182
rs6020468	20	48967103	Α	G	0.195	-0.051	0.003	7.9e-80
rs2254953	20	61574660	G	Α	0.722	0.014	0.002	3.1e-09
rs2823002	21	16373836	Τ	Α	0.158	-0.022	0.003	1.8e-14
rs11088296	21	36237546	Τ	С	0.262	0.014	0.002	2.2e-09
rs2834754	21	36463774	G	С	0.706	0.015	0.002	2.4e-10
rs80109907	21	39850955	Α	С	0.009	-0.107	0.011	1.1e-21
rs4817987	21	40465901	Τ	С	0.266	0.019	0.002	6.2e-15
rs17176611	21	47676948	С	Α	0.172	0.019	0.003	5.6e-12
rs41409548	22	17579495	Α	G	0.033	-0.096	0.006	1.9e-50
rs5748937	22	17675324	Τ	С	0.054	-0.060	0.005	1.3e-32
rs9605235	22	17702355	Α	G	0.094	-0.023	0.004	2.6e-10
rs143283354	22	24646573	Τ	С	0.275	-0.016	0.002	4.6e-11
rs2015580	22	32326021	Τ	С	0.312	-0.017	0.002	5.8e-13
rs62234274	22	43549646	Τ	С	0.573	-0.023	0.002	4.5e-26
rs738408	22	44324730	Τ	С	0.216	0.023	0.003	1.2e-19
rs8138399	22	50044824	Т	С	0.669	0.014	0.002	1.4e-10

Table S18. 307 SNPs significantly associated with lymphocyte percentage of white cells used IVs in forward MR analyses derived from Vuckovic D et al. Chr: Chromosome; EA: Effect allele; NEA: Non-effect allele; EAF: Effect allele frequency.

SNP NEA EAF Beta SE P-value Chr Pos EΑ rs1569419 2996602 -0.016 С 0.767 0.003 2.2e-10 rs11121242 1 8906301 G Α 0.513 -0.015 0.002 2.7e-12 G 1 20916080 С 0.338 0.017 0.002 3e-14 rs589942 rs79567479 С Τ 1 27011533 0.080 0.029 0.004 1.9e-13 G С 1 36943916 0.577 0.032 0.002 9.7e-48 rs3917932 G rs80200046 1 43423932 Α 0.172 0.024 0.003 3.3e-17 46232723 Т С 1 0.457 0.013 0.002 7.1e-10 rs6703960 G 1 Α 0.562 0.013 0.002 1.1e-09 rs10789009 56331635 56906274 G 1 Α 0.896 -0.045 0.004 1e-37 rs7537229 С Т -0.022 rs2767481 1 66015394 0.705 0.002 7.1e-20 Т С -0.022rs1925408 1 67365034 0.735 0.002 6.8e-19 Α С -0.069 4.1e-30 rs41313381 1 79411968 0.031 0.006 С G rs150649461 1 92925654 0.015 -0.114 0.009 1.5e-35 G -0.022 rs2148404 1 101225444 Α 0.590 0.002 2e-23 Т С 0.617 -0.016 0.002 7.3e-13 rs9433774 1 101755299 С Т 0.654 -0.019 0.002 1.7e-17 rs325927 1 111698348 С G 0.286 0.017 0.002 3.7e-12 rs7555995 1 150212707 rs3894771 1 150789961 Т Α 0.448 0.022 0.002 2.4e-23 rs34599082 1 159175494 Т С 0.014 0.121 0.009 5.2e-39 Т С 0.426 0.021 0.002 1.4e-21 rs571841 1 160791411 G 0.016 0.002 1.6e-12 rs10489481 1 185391167 Α 0.321 1 197701992 T С 0.213 -0.022 0.003 5.6e-17 rs16841904 G rs7555082 1 198598663 Α 0.118 0.027 0.003 1.5e-15 Т С rs1434282 1 199010721 0.725 0.015 0.002 7e-10 Т С rs55734382 201019059 0.333 0.016 0.002 9.3e-12 1 Т G 1 212880752 0.711 0.016 0.002 6.5e-12 rs4311947 С Т rs7552783 1 227174145 0.512 0.021 0.002 7e-19 Т -0.014 4.5e-09 rs6697464 1 235007116 Α 0.291 0.002 Т 0.030 rs9970896 1 236104981 Α 0.888 0.003 2e-18 С rs61838753 1 247569300 Α 0.672 0.014 0.002 9.3e-10 2 G -0.023 rs12105729 7614263 Α 0.159 0.003 2.3e-14 2 G rs10779936 23950200 Α 0.715 0.022 0.002 1.4e-20 2 Α Т 0.293 rs7578575 25488819 0.036 0.002 7.3e-51 2 Α G 0.299 4e-16 rs1124649 27260469 -0.019 0.002 2 С Т -0.017 3.2e-12 rs4952073 31457981 0.703 0.002 2 С Т -0.019 rs11688289 40698811 0.1890.003 7.1e-12 Ċ 2 G 0.271 0.018 1.9e-13 rs6705577 43359275 0.002 2 Α G 0.075 5e-99 rs113542380 43464818 -0.087 0.004 2 G Α 4e-12 rs698853 54053872 0.276 -0.017 0.002 2 Т G -0.020 1.3e-19 rs2860773 65665641 0.408 0.002 2 G Α 0.256 -0.0218.2e-18 rs10048745 68962137 0.002 2 C T Т 0.014 2.5e-10 rs4599108 85543222 0.486 0.002 2 С 0.780 0.026 0.003 2.2e-23 rs6419573 103027103 2 С G 0.490 0.025 0.002 1.6e-31 rs10210955 111599282 2 Т С 112239082 0.075 -0.0610.004 5e-45 rs55706446 2 G Α 0.396 -0.0250.002 1.1e-29 rs13409371 113838145 2 С Т 0.050 0.033 0.005 5.1e-11 rs80018307 129030338 2 С Α 0.907 -0.0290.004 3.6e-15 rs6750955 136982502 2 T Α 0.825 -0.0250.003 6.3e-18 rs354719 143892139 2 Т С -0.014 3.8e-10 rs34030812 144248905 0.3670.002 2 С 160677375 G 0.726 0.022 0.002 2e-19 rs12052715

rs6746841	2	161280888	Α	G	0.747	0.027	0.003	1.4e-27
rs199514773	2	181925838	A	T	0.747	0.027	0.003	3.3e-24
rs6760805	2	182157839	G	A	0.388	0.024	0.002	3.3e-24 2.6e-37
rs13029501	2	182334753	T	G	0.563	-0.019	0.002	9.7e-19
rs75507031	2	202160762	T	С	0.732	0.022	0.002	2.3e-20
rs114050631	2	219020958	Ţ	С	0.011	0.098	0.011	3.4e-19
rs78058190	2	219699999	A	G	0.050	0.046	0.006	1.5e-16
rs6713887	2	220026369	T	G	0.638	-0.015	0.002	1.9e-11
rs11676298	2	227291731	G	C	0.192	0.020	0.003	5.5e-14
rs57003673	2	231123460	С	Α	0.108	0.023	0.003	2.8e-11
rs6741554	2	232272500	G	Α	0.248	-0.015	0.002	1e-09
rs2568569	2	237796392	G	Α	0.739	-0.015	0.002	2.7e-09
rs9826367	3	12294202	G	Α	0.449	-0.016	0.002	3.7e-14
rs75831154	3	28284622	G	С	0.175	0.032	0.003	2.2e-29
rs11706384	3	39296881	Т	G	0.236	0.016	0.003	7.2e-10
rs7433284	3	42872590	Α	G	0.383	0.021	0.002	5.1e-22
rs13063578	3	47087837	Α	Т	0.401	0.036	0.002	2.4e-55
rs71298382	3	71382067	G	Α	0.027	0.091	0.007	6.6e-39
rs13314303	3	71421314	Т	С	0.138	-0.019	0.003	2.5e-09
rs1584335	3	98394871	С	Т	0.606	-0.015	0.002	2.7e-11
rs6781942	3	119758049	G	Α	0.372	0.015	0.002	3.2e-12
rs4474982	3	123068820	Α	G	0.177	-0.019	0.003	8.5e-12
rs6782228	3	128323424	С	G	0.268	0.038	0.002	1.5e-53
rs7625643	3	141150026	G	Α	0.446	0.021	0.002	1.6e-21
rs6440859	3	152977859	Α	Т	0.574	0.013	0.002	1.1e-09
rs1565568	3	171176050	Α	Т	0.196	-0.018	0.003	1.1e-10
rs68062772	3	195171795	G	Α	0.183	0.019	0.003	1.2e-11
rs6831368	4	6969919	G	Α	0.362	0.021	0.002	1.6e-20
rs6531603	4	38031267	С	Т	0.668	0.019	0.002	1.9e-16
rs12649942	4	38261175	С	Т	0.352	0.014	0.002	1.6e-09
rs6841652	4	38363262	С	Т	0.680	0.060	0.002	5.5e-148
rs6827279	4	38566132	Т	С	0.539	-0.036	0.002	8.7e-59
rs218265	4	55408999	С	Т	0.155	-0.032	0.003	1.5e-26
rs6554196	4	55501109	Ğ	Ċ	0.382	0.020	0.002	2.3e-19
rs16850073	4	74703999	Ť	Č	0.375	-0.039	0.002	1.7e-68
rs146149115	4	74768492	Ġ	Ä	0.010	0.079	0.011	2.2e-12
rs546829	4	74956372	Ť	Α	0.626	0.047	0.002	7.1e-103
rs28830602	4	80908833	Ġ	Α	0.629	-0.020	0.002	4e-20
rs11726195	4	103538911	Ğ	C	0.522	0.033	0.002	1e-53
rs6533181	4	106074826	Ğ	Ť	0.632	0.038	0.002	8.1e-64
rs309375	4	123681156	Ä	Ċ	0.572	0.020	0.002	1.2e-19
rs60428870	4	144896336	A	Ğ	0.616	-0.015	0.002	1.3e-10
rs4696314	4	153005716	C	T	0.512	0.022	0.002	3.9e-24
rs2853677	5	1287194	A	Ġ	0.577	0.022	0.002	2.7e-20
rs3822412	5	10689768	Ĝ	A	0.369	-0.015	0.002	4e-11
rs11567701	5	35859863	T	Ğ	0.260	0.042	0.002	6.1e-67
rs4865744	5	52082774	Ġ	A	0.200	-0.028	0.002	1.5e-12
rs13154469	5	68607707	C	T	0.921	0.026	0.004	
			T	Ċ				5.6e-14
rs10942300	5	71745412			0.880	0.038	0.003	9.4e-30
rs304151	5	88125853	G	T	0.268	0.020	0.002	3e-16
rs2910687	5	96276877	T	С	0.435	-0.014	0.002	1.4e-10
rs114378220	5	110566360	T	С	0.074	-0.033	0.004	2.4e-14
rs2250127	5	127388844	A	G	0.247	-0.018	0.002	9.9e-13
rs3846730	5	131806780	T	С	0.237	-0.022	0.003	2.4e-18
rs7700687	5	141491985	T	C	0.617	-0.020	0.002	3e-20
rs56330463	5	148200011	С	Т	0.552	0.022	0.002	6.7e-23

rs9313777	5	157945599	G	Т	0.281	-0.023	0.002	1.6e-22
rs535833686	5 5	158347179	G	A	0.261	-0.023 -0.047	0.002	8.8e-10
rs55775466	5	172006296	G	A	0.024	-0.047	0.003	8.4e-10
rs12659737	5 5		C	T				
		176742506			0.840	0.032	0.003	4e-27
rs55785724	5	176817583	T	A	0.312	-0.015	0.002	8.7e-11
rs72835315	6	231878	С	Ţ	0.058	0.031	0.005	3.2e-11
rs1050979	6	410417	G	Α	0.528	0.014	0.002	1.7e-10
rs3777755	6	12159699	T	С	0.310	-0.019	0.002	7.8e-17
rs2560775	6	13525365	Α	G	0.692	0.020	0.002	4.6e-18
rs1267498	6	14715910	С	Τ	0.807	-0.024	0.003	5.9e-19
rs4713208	6	29283579	С	Т	0.616	0.013	0.002	2.9e-09
rs28883698	6	29846390	Α	G	0.200	-0.043	0.003	3.7e-34
rs73390981	6	31243578	Α	G	0.078	0.065	0.004	3.4e-57
rs7758790	6	31552850	С	Т	0.226	0.023	0.003	1.2e-18
rs113571892	6	32489037	С	Т	0.251	-0.029	0.003	2.2e-24
rs17880292	6	32552000	Т	С	0.043	-0.055	0.007	4.7e-16
rs11758943	6	42501162	С	G	0.208	-0.018	0.003	5.5e-12
rs1533584	6	53221183	С	Т	0.301	0.017	0.002	8.2e-13
rs915125	6	82463376	Τ	С	0.279	0.018	0.002	4.9e-14
rs3734187	6	87969737	Τ	С	0.490	0.022	0.002	2.3e-25
rs12526696	6	108053364	Α	G	0.161	0.033	0.003	3.9e-29
rs9487023	6	109590004	G	Α	0.448	-0.024	0.002	4.2e-28
rs577721086	6	127440047	С	Т	0.050	0.030	0.005	1.2e-09
rs12203816	6	135529561	Τ	С	0.401	0.017	0.002	1.1e-14
rs1012515	6	137216847	Τ	Α	0.494	0.015	0.002	5.3e-12
rs142761146	6	138004508	Α	Т	0.181	0.018	0.003	2.1e-10
rs566028	6	147520965	С	Т	0.452	0.016	0.002	4e-13
rs6956301	7	971124	Α	G	0.667	-0.016	0.002	2.9e-12
rs6955702	7	3157702	G	Α	0.524	-0.021	0.002	7.3e-23
rs2347784	7	6524843	G	С	0.271	0.031	0.002	2.5e-36
rs11763992	7	22725522	Т	A	0.305	-0.014	0.002	1.7e-09
rs6978504	7	26695880	G	С	0.344	-0.016	0.002	4.4e-13
rs498475	7	28256240	A	G	0.633	0.016	0.002	1.5e-12
rs2158799	7	28277107	G	Č	0.610	-0.038	0.002	7.1e-67
rs56388170	7	28724374	Ť	Ğ	0.292	-0.049	0.002	1.6e-95
rs532636967	7	40060707	Ċ	Ť	0.461	-0.015	0.002	3.6e-11
rs149007767	7	50370254	Ť	Ċ	0.162	-0.023	0.003	2.8e-14
rs2943379	7	65174354	Ť	Č	0.098	-0.021	0.004	3.7e-09
rs2108321	7	74297551	À	Ť	0.285	0.019	0.002	1e-14
rs42035	7	92239531	G	À	0.245	-0.023	0.003	1.5e-19
rs445	7	92408370	T	C	0.096	0.028	0.004	7.2e-77
rs56229643	7	97865936	Ċ	T	0.491	0.022	0.002	1.4e-23
rs776739	7	99283696	C	Ť	0.082	0.022	0.004	1.6e-15
rs9920	7	116200092	C	Ť	0.105	0.026	0.004	1.1e-13
rs62621812	7	127015083	A	Ġ	0.020	0.020	0.004	1e-19
rs62485905	7	138741586	Ť	C	0.551	-0.013	0.003	2.2e-09
rs3735080	7	150217309	Τ̈́	C	0.331	0.024	0.002	1.1e-21
rs7457817	7	156596400	Ċ	T	0.230	-0.013	0.003	9.5e-10
rs17453815		5549619	G					1.8e-14
rs28494016	8			A	0.231	-0.020	0.003	
	8	9187961	C	A	0.792	-0.018	0.003	1.2e-11
rs4840514	8	10612925	A	G	0.312	-0.022	0.002	2.2e-21
rs12550367	8	22793451	C	T	0.347	0.015	0.002	1.3e-11
rs2979489	8	30280833	A	G	0.742	-0.021	0.002	2.3e-18
rs66593272	8	41548911	Ţ	A	0.037	-0.033	0.006	4.1e-09
rs4737009	8	41630405	Α	G	0.236	0.025	0.003	1.7e-23
rs45577137	8	48651633	G	Α	0.045	-0.033	0.006	1.9e-09

rs7846314	8	61650831	Τ	Α	0.187	-0.047	0.003	3.8e-66
rs10111413	8	72891748	Α	G	0.231	-0.016	0.003	1.2e-10
rs75653581	8	78363128	Т	С	0.013	0.068	0.010	5.5e-12
rs2919917	8	79657263	С	Т	0.250	0.041	0.002	8.5e-62
rs4521730	8	101180650	Α	G	0.185	0.019	0.003	1.8e-11
rs6988147	8	101459320	Т	С	0.863	-0.020	0.003	1.1e-10
rs6988140	8	126480543	Т	С	0.543	-0.024	0.002	1e-24
rs1865223	8	130606476	Т	G	0.568	0.040	0.002	5e-74
rs16904181	8	130976074	A	Ğ	0.301	0.016	0.002	3.3e-11
rs2219143	9	2622278	Α	Ğ	0.393	-0.016	0.002	3e-12
rs385893	9	4763176	C	Ť	0.524	-0.026	0.002	8.9e-34
rs3731211	9	21986847	A	Ť	0.722	0.026	0.002	4.7e-27
rs2065500	9	22145694	Ğ	À	0.158	-0.027	0.002	1.8e-19
rs10971930	9	34116083	C	Ť	0.130	0.020	0.003	8.2e-10
rs10867416	9	82324152	C	Ť	0.127		0.003	1.4e-12
						-0.016		
rs61750929	9	91495135	T	C	0.056	-0.055	0.005	2.5e-31
rs2120229	9	123440875	G	T	0.491	0.014	0.002	2.5e-10
rs2519093	9	136141870	T	C	0.184	0.027	0.003	1.1e-22
rs28545822	9	139217805	С	T	0.467	0.014	0.002	2.1e-10
rs11145986	9	139319847	G	Α	0.290	-0.019	0.002	9.3e-16
rs61839660	10	6094697	Т	С	0.098	-0.046	0.004	1.1e-36
rs2388486	10	8099021	С	Τ	0.830	0.024	0.003	1.1e-16
rs2992327	10	26711899	Τ	Α	0.273	-0.016	0.002	1.1e-10
rs2807742	10	28781367	Α	G	0.770	-0.022	0.003	2.9e-17
rs17156360	10	44922040	Τ	С	0.132	0.020	0.003	3.6e-10
rs56197478	10	50301892	G	Α	0.221	-0.017	0.003	8.5e-11
rs7090445	10	63721176	Т	С	0.660	-0.022	0.002	5.1e-23
rs142239370	10	72382869	Ċ	Ä	0.040	0.053	0.005	3.8e-22
rs1250546	10	81032532	Ğ	A	0.437	0.019	0.002	7.2e-19
rs1539330	10	94502738	T	C	0.134	0.025	0.003	6.2e-15
rs10882827	10	98371790	Ť	Č	0.179	-0.018	0.003	1.4e-10
rs11189132	10	99086195	Ċ	Ğ	0.396	0.025	0.002	5.9e-29
rs11198861	10	121049819	A	G	0.512	0.023	0.002	2.7e-13
rs2885521	10	126373313	T	Ç	0.110	-0.029	0.003	7.3e-17
rs14408	11	308314	Ç	T	0.368	-0.031	0.002	3.8e-44
rs12289940	11	4224589	Α	T	0.378	-0.013	0.002	1.4e-09
rs4756265	11	36078171	G	Α	0.418	0.016	0.002	1.8e-13
rs4647725	11	47245389	С	Т	0.157	-0.023	0.003	1.9e-14
rs7232	11	59940599	Α	Т	0.378	0.019	0.002	1.3e-17
rs61897795	11	61618169	G	Α	0.164	0.021	0.003	8.4e-13
rs11231693	11	63862612	Α	G	0.055	-0.028	0.005	3.2e-09
rs554169857	11	65686473	Α	С	0.020	-0.048	0.008	1.8e-09
rs7930161	11	78268878	Α	С	0.826	0.020	0.003	2.9e-12
rs72992361	11	100427512	Α	С	0.082	-0.025	0.004	9.8e-11
rs680113	11	108165406	Α	G	0.555	-0.016	0.002	3.7e-14
rs73000965	11	113982321	Α	Т	0.317	-0.014	0.002	4e-09
rs73564493	11	119056273	Α	Ğ	0.073	-0.026	0.004	1.5e-10
rs11218725	11	122509237	Ğ	Ä	0.377	0.029	0.002	9e-40
rs4520607	11	128406775	Č	T	0.525	0.021	0.002	1.6e-21
rs2364482	12	6502131	Ğ	Ť	0.197	0.041	0.003	4.1e-51
rs7960048	12	12554861	G	T	0.466	0.013	0.002	1.3e-09
rs35071163	12	12883507	С	G	0.479	0.017	0.002	2e-15
rs113736796	12	48213720	G	С	0.039	-0.047	0.006	1.7e-16
rs1793937	12	48375475	G	С	0.401	0.015	0.002	2.3e-11
rs75639074	12	56367901	G	С	0.063	0.026	0.004	4.8e-09
rs4761234	12	69732105	С	Т	0.485	-0.020	0.002	7.4e-21

rs4842610	12	88811689	Τ	С	0.705	0.015	0.002	2.8e-10
rs653178	12	112007756	Т	С	0.518	-0.041	0.002	2e-81
rs11064881	12	120146925	Α	G	0.073	0.026	0.004	4.5e-10
rs28413626	12	123861452	Α	G	0.214	0.032	0.003	2.1e-34
rs117808697	13	28513538	Τ	Α	0.073	-0.027	0.005	4.4e-09
rs2504235	13	28612886	G	Α	0.638	-0.024	0.002	2.8e-27
rs9532679	13	41522338	С	Α	0.150	-0.034	0.003	2.2e-29
rs9533100	13	42996548	Τ	G	0.536	-0.021	0.002	3.8e-23
rs9316484	13	50645164	С	Τ	0.220	-0.018	0.003	2.9e-12
rs67483792	13	72503638	Т	С	0.043	-0.040	0.005	2.1e-13
rs9530281	13	74679161	Α	G	0.716	-0.031	0.002	2.7e-39
rs7981577	13	114835802	С	Т	0.437	-0.020	0.002	5e-20
rs2004925	14	25445362	Α	G	0.393	-0.026	0.002	6.7e-31
rs10131567	14	35864878	Т	G	0.285	-0.020	0.002	4.6e-17
rs11848179	14	64977053	G	Α	0.318	0.025	0.002	9.9e-27
rs112506826	14	69975724	Т	G	0.030	-0.042	0.006	5.7e-11
rs9323612	14	75968608	G	A	0.331	-0.021	0.002	8.5e-20
rs61975764	14	93014929	Ā	G	0.465	-0.019	0.002	2.9e-18
rs72699870	14	93116351	С	Т	0.195	0.022	0.003	2.6e-16
rs11625841	14	99787017	C	Т	0.619	-0.014	0.002	7.1e-10
rs8008502	14	103359492	Ā	Ġ	0.202	0.031	0.003	5.8e-30
rs1132639	15	41597437	Α	Ť	0.295	0.018	0.002	1.4e-14
rs4924590	15	42233673	Α	Ť	0.244	-0.027	0.003	9.1e-28
rs60820695	15	48584883	T	Ċ	0.134	-0.022	0.003	8.6e-12
rs6494476	15	64657496	Ť	Č	0.879	-0.022	0.003	2.5e-11
rs77365378	15	69972289	Ť	Č	0.046	0.032	0.005	8.5e-10
rs12908814	15	75132490	Ġ	Č	0.629	-0.017	0.002	4.9e-15
rs17832339	15	90557494	Ť	Ğ	0.039	0.037	0.006	2.1e-11
rs28539372	15	91021412	A	T	0.319	0.035	0.002	1.3e-50
rs67175901	15	101748227	T	Ċ	0.108	-0.031	0.003	3.2e-19
rs447361	16	4148240	Ġ	Ť	0.669	0.015	0.002	3.2e-11
rs61739285	16	27480797	Ť	Ċ	0.034	0.044	0.006	7.8e-14
rs11150589	16	30482494	Ċ	Ť	0.517	0.027	0.002	1.5e-36
rs7192652	16	57075180	Ğ	À	0.479	0.023	0.002	2.3e-25
rs11640346	16	81603848	T	Ğ	0.537	-0.014	0.002	2.7e-10
rs1519978	16	85935211	Ť	Ä	0.168	-0.022	0.003	3.2e-14
rs72803323	16	89373324	Ť	C	0.040	-0.038	0.005	6.8e-12
rs9905106	17	1373518	Ċ	Ť	0.735	-0.024	0.002	3.4e-23
rs9674692	17	2730030	Ť	Ġ	0.277	0.018	0.002	6.3e-14
rs28662192	17	4604497	Ċ	Ť	0.294	0.019	0.002	1.8e-15
rs9895848	17	4738958	T	Ċ	0.345	-0.019	0.002	1.3e-16
rs9910148	17	16169009	À	Ğ	0.476	0.038	0.002	5.9e-69
rs4924997	17	19422725	T	A	0.460	-0.015	0.002	4.9e-12
rs4239225	17	38127112	À	Ğ	0.472	-0.069	0.002	1e-200
rs11654706	17	38147293	G	A	0.472	0.021	0.002	7.9e-13
rs146346285	17	38897220	T	Ĉ	0.100	-0.074	0.003	1.8e-14
rs8081535	17	41080195	A	G	0.436	0.018	0.010	1.0e-14 1.2e-14
rs1706725	17	44324185	Ĝ	A	0.436	-0.028	0.002	1.1e-27
rs28730837	17	56355397	A	Ğ	0.230	-0.020	0.003	1.16-27 1.9e-12
rs138284624	17	56385573	Ť	C	0.010	-0.103	0.010	6.8e-27
rs13342015	17	73067482	A	G	0.304	-0.103	0.010	4.8e-11
rs4789294	17	73007462 74419177	G		0.304	0.026	0.002	4.6e-11 6.4e-23
rs4789294 rs11659109	17 17	744 19177 75375859	T	A C	0.217	-0.016	0.003	6.4e-23 3.5e-14
rs7231555								
	18 10	19699122	G C	A	0.088	-0.034	0.004	1e-18
rs75763843	18 10	42062380		A	0.129	-0.032	0.003	6.2e-23
rs9947316	18	43777831	G	Т	0.559	0.013	0.002	5.8e-10

rs66836460	18	60837508	Α	С	0.136	0.021	0.003	9.9e-12
rs56249713	18	67533332	С	Т	0.420	0.016	0.002	4.1e-13
rs454854	18	77253866	С	G	0.679	-0.015	0.002	6.1e-11
rs36084354	19	1079959	Α	G	0.092	-0.038	0.004	2.4e-24
rs28841391	19	1193965	G	Τ	0.759	0.024	0.003	9.1e-19
rs2569703	19	10404227	G	С	0.544	-0.032	0.002	4.2e-49
rs537835324	19	12994335	Τ	С	0.191	-0.019	0.003	6.4e-11
rs345627	19	13917264	Τ	С	0.349	0.023	0.002	7.6e-25
rs10423726	19	16444697	Α	С	0.580	-0.036	0.002	3.1e-54
rs7251806	19	16499569	Τ	С	0.841	-0.088	0.003	1e-194
rs4530278	19	33752994	Τ	G	0.601	0.018	0.002	6.9e-16
rs59058760	19	40811757	С	Τ	0.068	0.026	0.004	7.9e-10
rs4760	19	44153100	G	Α	0.156	0.039	0.003	3e-39
rs11673093	19	45742094	Α	G	0.260	0.027	0.002	1.5e-28
rs8102492	19	49140809	С	Α	0.796	-0.036	0.003	3e-40
rs1028397	20	1929662	Α	G	0.331	-0.033	0.002	1.3e-47
rs1010608	20	3784593	Α	G	0.236	0.018	0.003	4.3e-12
rs73125628	20	20066701	Τ	С	0.278	0.015	0.002	1.3e-10
rs910083	20	31378690	С	Α	0.447	0.016	0.002	5.6e-14
rs6073369	20	42832789	Τ	С	0.314	0.019	0.002	2.4e-16
rs2230604	20	49196284	Τ	С	0.084	0.029	0.004	7.3e-14
rs259981	20	57748369	Α	Τ	0.359	-0.026	0.002	3.7e-31
rs4809330	20	62349586	G	Α	0.668	-0.020	0.002	2.3e-18
rs1736023	21	16812882	Τ	С	0.430	0.014	0.002	1.9e-10
rs2212931	21	39859190	G	Α	0.417	-0.014	0.002	1.8e-10
rs220262	21	43482046	Α	Τ	0.482	-0.016	0.002	2.2e-13
rs5747308	22	18133500	С	Α	0.505	-0.019	0.002	7.9e-18
rs5998509	22	21917479	Τ	С	0.188	-0.033	0.003	2.5e-33
rs2144922	22	28923317	Α	G	0.878	0.027	0.003	2.7e-16
rs2412971	22	30494371	Α	G	0.446	0.028	0.002	3e-37
rs5757886	22	40636076	С	Т	0.747	-0.017	0.002	2e-12
rs5758307	22	41750219	G	Α	0.229	0.028	0.003	1.6e-27

Table S19. 9 SNPs significantly associated with COVID-19 severity (very severe respiratory confirmed covid vs. population) used IVs in reverse MR analyses derived from the COVID-19 Host Genetics Initiative. Chr: Chromosome; EA: Effect allele; NEA: Non-effect allele; EAF: Effect allele frequency.

SNP	Chr	Pos	EA	NEA	EAF	Beta	SÉ	P-value
rs35081325	3	45889921	Т	Α	0.075	0.626	0.045	5.754e-45
rs111837807	6	31121232	С	T	0.100	0.295	0.043	5.656e-12
rs622568	7	54647894	С	Α	0.146	0.226	0.037	1.044e-09
rs2237698	7	107607902	Τ	С	0.090	0.237	0.040	2.414e-09
rs10860891	12	103014757	Α	С	0.885	-0.239	0.040	1.636e-09
rs2384074	12	113382977	Τ	С	0.676	0.198	0.028	2.104e-12
rs77534576	17	47940666	Τ	С	0.035	0.460	0.075	8.525e-10
rs2109069	19	4719443	Α	G	0.329	0.257	0.028	6.115e-20
rs13050728	21	34615210	С	Т	0.663	-0.200	0.029	2.437e-12

Table S20. 5 SNPs significantly associated with COVID-19 severity (hospitalized covid vs. population) used IVs in reverse MR analyses derived from the COVID-19 Host Genetics Initiative. Chr: Chromosome; EA: Effect allele; NEA: Non-effect allele; EAF: Effect allele frequency.

SNP	Chr	Pos	EΑ	NEA	EAF	Beta	SE	P-value
rs35081325	3	45889921	Т	Α	0.081	0.488	0.032	3.684e-54
rs622568	7	54647894	С	Α	0.151	0.154	0.026	3.644e-09
rs2660	12	113357442	Α	G	0.690	0.116	0.019	2.005e-09
rs2109069	19	4719443	Α	G	0.323	0.151	0.020	2.937e-14
rs13050728	21	34615210	С	T	0.653	-0.168	0.020	7.437e-17

Table S21. 7 SNPs significantly associated with COVID-19 susceptibility (covid vs. population) used IVs in reverse MR analyses derived from the COVID-19 Host Genetics Initiative. Chr: Chromosome; EA: Effect allele; NEA: Non-effect allele; EAF: Effect allele frequency.

SNP	Chr	Pos	EΑ	NEA	EAF	Beta	SE	P-value
rs4971066	1	155105882	G	Т	0.178	-0.077	0.013	1.015e-08
rs2271616	3	45838013	Τ	G	0.118	0.156	0.015	3.608e-25
rs17078348	3	45847241	G	Α	0.100	0.092	0.016	1.196e-08
rs10936744	3	101433440	Τ	С	0.359	-0.063	0.010	3.511e-10
rs579459	9	136154168	Τ	С	0.790	-0.094	0.011	2.183e-16
rs757405	12	113406945	Α	T	0.709	0.069	0.011	1.639e-10
rs12482060	21	34611571	G	С	0.338	0.062	0.011	3.958e-09