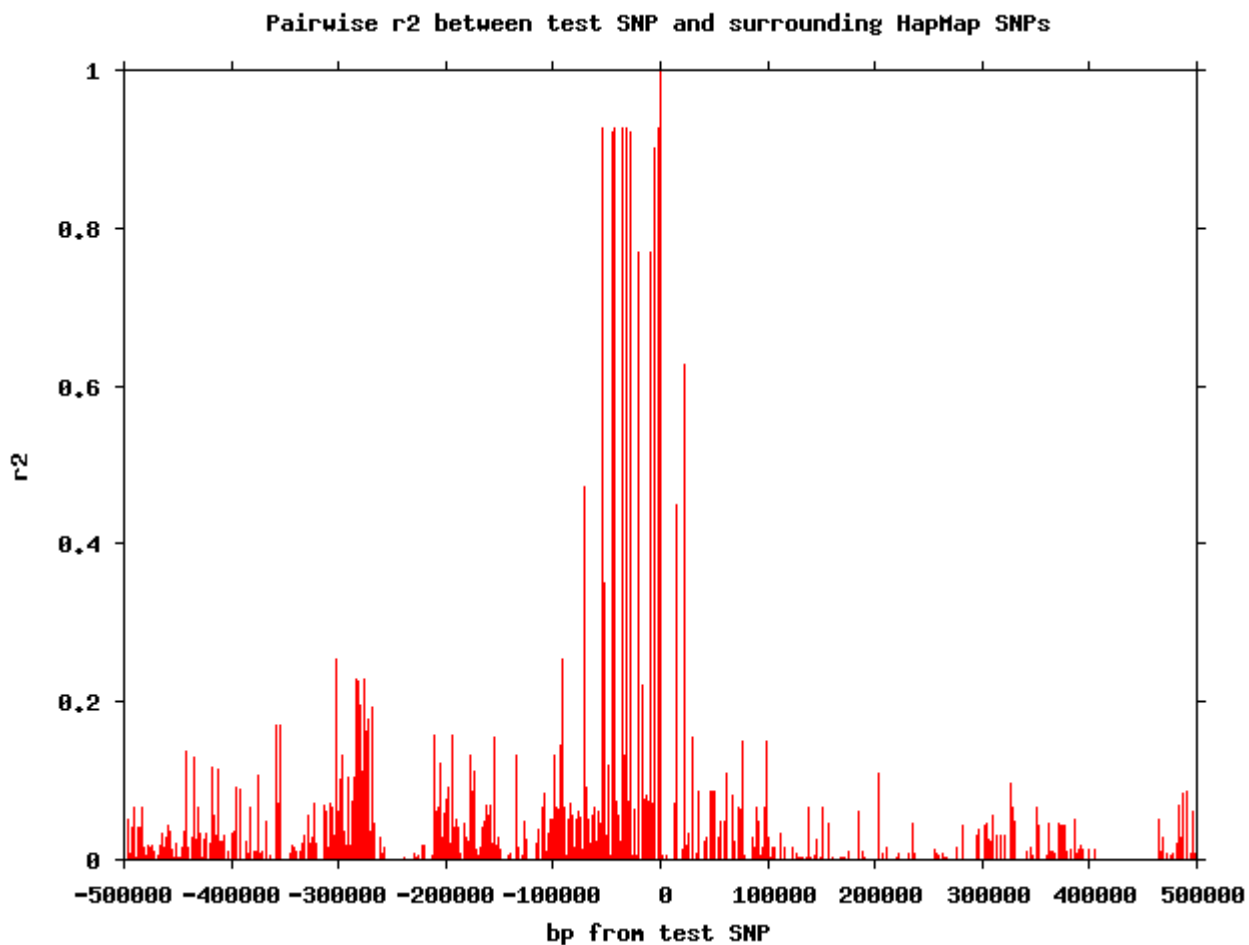


ssSNPer: web interface to identify statistically similar SNPs (ssSNPs) in the HapMap - RESULTS



The following SNPs have statistical similarity of at least 50%:

SNP_rs#	bp_from_rs1800630	r2
rs1800630	0	1.000
rs2516489	-54438	0.926
rs2516478	-43739	0.926
rs2523512	-35675	0.926
rs2523506	-32509	0.926
rs2844482	-2709	0.926
rs2734586	-45134	0.922
rs2523503	-28917	0.922
rs2857706	-4870	0.901
rs2259435	-45561	0.893
rs2516480	-45685	0.770
rs2255798	-21174	0.770
rs2857708	-8870	0.769
rs2736189	22252	0.627

The following data may be copied and pasted to a local file for further analysis:

SNP_rs#	bp_from_rs1800630	r2
rs2523880	-499707	0.003
rs2249231	-499244	0.003
rs9263455	-499227	0.015
rs2517483	-498852	0.000
rs9378152	-496922	0.052
rs2523860	-496902	0.005
rs2523843	-495948	0.005
rs3132564	-494856	0.000
rs12200996	-494452	0.000
rs2249876	-494089	0.003

rs9263467	-493625	0.000
rs3132562	-493484	0.007
rs6926717	-492970	0.000
rs9380215	-492821	0.041
rs9263472	-492437	0.009
rs9263473	-492297	0.001
rs9263474	-492232	0.001
rs9380216	-491661	0.000
rs2535318	-491088	0.003
rs9380217	-490923	0.053
rs2535317	-490622	0.003
rs2535316	-490535	0.065
rs9263476	-490426	0.015
rs2517471	-490378	0.003
rs2535315	-490349	0.002
rs2535311	-489792	0.003
rs9263477	-489563	0.000
rs2535307	-488735	0.003
rs12202207	-488633	0.001
rs2535306	-488609	0.003
rs9263478	-488095	0.000
rs3130955	-487965	0.003
rs2535304	-487789	0.002
rs12527394	-487458	0.041
rs9263479	-486747	0.013
rs3130959	-486118	0.004
rs9263486	-485844	0.004
rs9263490	-485264	0.000
rs12209679	-484850	0.000
rs4947296	-484298	0.041
rs3130544	-484136	0.018
rs2535301	-483849	0.004
rs2535300	-483331	0.004
rs2517465	-483305	0.003
rs2535299	-483231	0.000
rs2517464	-483222	0.003
rs3130961	-483090	0.004
rs2535298	-483014	0.003
rs2517458	-482961	0.004
rs2517456	-482651	0.065
rs2517454	-482454	0.065
rs2517453	-482361	0.004
rs2517452	-482314	0.004
rs2535296	-482257	0.015
rs16898709	-480987	0.000
rs2535294	-480343	0.005
rs2535292	-480062	0.001
rs2517448	-479809	0.002
rs9263497	-479745	0.000
rs2535291	-479577	0.004
rs2535289	-479243	0.004
rs11756674	-479240	0.001
rs2517438	-478376	0.010
rs2429722	-478171	0.019
rs9263499	-477766	0.004
rs9263507	-476668	0.014
rs9263509	-476057	0.000
rs9263510	-475891	0.000
rs9263513	-475760	0.014
rs9263516	-475590	0.004
rs9263526	-475031	0.001
rs4371876	-474926	0.000
rs9263532	-474852	0.003
rs7381697	-474450	0.001
rs2517556	-473581	0.002
rs9263565	-472987	0.018
rs9394037	-471954	0.000
rs9348854	-471952	0.000
rs9263582	-471812	0.011

rs2508010	-471376	0.004
rs9263592	-471147	0.000
rs9263600	-470831	0.000
rs9263617	-469583	0.000
rs9263619	-469497	0.001
rs2517485	-468375	0.000
rs6917039	-467552	0.000
rs1064190	-467361	0.004
rs9263625	-467315	0.001
rs1064191	-467101	0.004
rs2844635	-466995	0.002
rs12204500	-466079	0.009
rs2535277	-465712	0.018
rs2517529	-465498	0.001
rs9391709	-465071	0.032
rs11756797	-465008	0.000
rs1265066	-464876	0.002
rs11754821	-464862	0.001
rs1265064	-464744	0.000
rs1265061	-464219	0.012
rs1265059	-463981	0.004
rs1265056	-463826	0.002
rs1268928	-463577	0.000
rs2233982	-463036	0.000
rs1265053	-462587	0.000
rs2233973	-462377	0.002
rs2270191	-462156	0.000
rs2233969	-462044	0.002
rs1265052	-462005	0.000
rs4495304	-461758	0.015
rs2233967	-461648	0.006
rs2233966	-461617	0.003
rs2233964	-461557	0.016
rs2233963	-461550	0.000
rs3909178	-461225	0.004
rs1265048	-461067	0.029
rs3094222	-461042	0.002
rs3130977	-460487	0.010
rs6917517	-460115	0.025
rs9295952	-459941	0.000
rs3094220	-459489	0.005
rs1042147	-459320	0.042
rs3094219	-459190	0.028
rs9501053	-459056	0.002
rs1042141	-459010	0.042
rs3130981	-458663	0.006
rs1042126	-458188	0.000
rs4713436	-457837	0.000
rs3130984	-457512	0.003
rs3132553	-457276	0.009
rs7742033	-457250	0.000
rs3130986	-456913	0.011
rs3094212	-456706	0.036
rs3130989	-456099	0.002
rs3130991	-455122	0.013
rs3130992	-454667	0.000
rs3132545	-453351	0.003
rs9468870	-452856	0.000
rs4410768	-452768	0.001
rs9468871	-452426	0.000
rs3757346	-452339	0.000
rs9295953	-451893	0.000
rs9295954	-451874	0.000
rs9295955	-451760	0.000
rs3823405	-451725	0.000
rs3823406	-451718	0.000
rs9263687	-450642	0.001
rs3094205	-450614	0.020
rs11961297	-450531	0.000

rs9263688	-450509	0.000
rs3936988	-450258	0.000
rs9263692	-449383	0.000
rs6909321	-449286	0.000
rs3815095	-449269	0.000
rs3815088	-448896	0.000
rs9263697	-448895	0.002
rs3815087	-448889	0.002
rs9263699	-448777	0.001
rs3778640	-448356	0.000
rs12191595	-448347	0.001
rs9263702	-448281	0.000
rs13209303	-448277	0.002
rs12199460	-447748	0.001
rs6932086	-447388	0.000
rs9263707	-447230	0.000
rs9461647	-446804	0.000
rs3909111	-446348	0.001
rs9263718	-445915	0.000
rs9263719	-445901	0.000
rs3130558	-445293	0.008
rs3130559	-445175	0.016
rs3734861	-444974	0.000
rs4713437	-444652	0.000
rs6929464	-444558	0.001
rs3131006	-444342	0.036
rs3131009	-443644	0.008
rs13200022	-443519	0.006
rs4959053	-442899	0.138
rs9394039	-442887	0.000
rs3823418	-441534	0.008
rs3823421	-441331	0.000
rs3130563	-441226	0.005
rs3132569	-441050	0.001
rs3130564	-440802	0.014
rs1265100	-437166	0.009
rs1265099	-437063	0.003
rs2074478	-436843	0.017
rs2233954	-436804	0.000
rs2233952	-436585	0.027
rs2233950	-436411	0.001
rs1265098	-436299	0.002
rs3130573	-436208	0.000
rs1265097	-436017	0.008
rs9263726	-435977	0.014
rs9501057	-435960	0.002
rs1265094	-435583	0.027
rs2072108	-435445	0.001
rs12526069	-435429	0.000
rs2233947	-435421	0.000
rs3094663	-435389	0.000
rs1265093	-435289	0.015
rs2285804	-435272	0.002
rs3130464	-435231	0.000
rs2285803	-435218	0.000
rs2233945	-435115	0.016
rs2233944	-435054	0.000
rs2233943	-435029	0.000
rs1966	-434743	0.036
rs2233942	-434572	0.002
rs2233941	-434560	0.130
rs2233940	-434554	0.001
rs2233939	-434538	0.000
rs7757012	-433914	0.022
rs1265089	-433869	0.029
rs9263733	-433647	0.001
rs16898844	-432783	0.003
rs9263738	-432709	0.023
rs1265086	-432594	0.025

rs1576	-432085	0.001
rs1265085	-431805	0.034
rs12364	-431690	0.006
rs1265084	-431687	0.026
rs2073718	-431507	0.003
rs130074	-431302	0.000
rs130073	-431296	0.001
rs1265083	-431129	0.065
rs9263739	-431120	0.022
rs9263740	-431076	0.028
rs1265080	-430401	0.025
rs1265079	-430368	0.001
rs11967883	-430122	0.003
rs130072	-429992	0.005
rs1265078	-429874	0.001
rs2073720	-429653	0.000
rs3094226	-429577	0.001
rs2073719	-429551	0.001
rs3094225	-429424	0.000
rs1265076	-429393	0.001
rs3130575	-429370	0.001
rs1265075	-429363	0.000
rs1265074	-429262	0.034
rs9263745	-429150	0.021
rs3132538	-428634	0.002
rs2240061	-427628	0.003
rs1265115	-425401	0.026
rs1265112	-424457	0.001
rs130067	-423965	0.034
rs1265110	-423054	0.008
rs130077	-420146	0.021
rs130076	-419994	0.000
rs3130453	-417627	0.039
rs743401	-417318	0.014
rs12529697	-417069	0.116
rs2239524	-416907	0.014
rs720466	-416771	0.000
rs720465	-416699	0.057
rs720467	-416677	0.005
rs9263785	-416653	0.021
rs3130455	-416498	0.000
rs720468	-416483	0.005
rs9263786	-416246	0.020
rs3130456	-416224	0.014
rs3095239	-415686	0.025
rs3094187	-415532	0.032
rs1150765	-414914	0.000
rs6905862	-414874	0.031
rs6929434	-414529	0.003
rs3130934	-413924	0.002
rs7750641	-413166	0.000
rs2073722	-412834	0.000
rs2073724	-412769	0.005
rs9263794	-412457	0.021
rs1841	-411716	0.115
rs1044870	-411655	0.021
rs9501062	-410769	0.003
rs1150766	-410683	0.000
rs3130933	-410391	0.005
rs2394882	-409827	0.005
rs9263796	-409593	0.022
rs1150767	-409431	0.000
rs2106074	-408967	0.005
rs9501063	-408582	0.003
rs3130932	-408533	0.005
rs1265163	-408389	0.010
rs3757349	-407944	0.000
rs11965454	-407885	0.003
rs9263800	-407877	0.024

rs3130931	-407588	0.000
rs9263802	-407340	0.020
rs1419880	-407279	0.030
rs9263805	-406741	0.000
rs3130501	-406023	0.000
rs9263809	-405899	0.022
rs3132524	-405762	0.000
rs3132523	-405644	0.000
rs3094191	-403566	0.000
rs879882	-403024	0.010
rs1108746	-402972	0.000
rs3132518	-402307	0.000
rs885949	-402256	0.000
rs1265156	-400179	0.034
rs9263821	-398114	0.000
rs3871247	-396774	0.000
rs3871248	-396485	0.036
rs1052989	-396073	0.001
rs1052986	-396037	0.092
rs9263823	-395382	0.014
rs7381371	-392153	0.090
rs7771486	-388590	0.000
rs6921663	-387856	0.001
rs1265181	-386691	0.003
rs9405015	-386673	0.022
rs9295957	-384883	0.005
rs9263860	-384340	0.000
rs7759909	-383787	0.007
rs1265180	-383131	0.065
rs1265178	-381247	0.000
rs1265177	-380899	0.000
rs4713447	-379513	0.009
rs6922994	-378205	0.000
rs12179656	-377543	0.000
rs13215387	-376349	0.000
rs9404982	-375937	0.009
rs9404983	-375648	0.001
rs886389	-375589	0.106
rs9295961	-374978	0.058
rs9501077	-374964	0.018
rs4122190	-374624	0.001
rs4122189	-374549	0.000
rs6903896	-374447	0.002
rs4358664	-374379	0.000
rs6904246	-374276	0.003
rs9366769	-373187	0.004
rs9468892	-372585	0.000
rs3132511	-372456	0.008
rs9263870	-371962	0.007
rs9263871	-371948	0.009
rs9263873	-371763	0.009
rs6921492	-371599	0.000
rs9263876	-371309	0.005
rs9263878	-370990	0.006
rs9263879	-370895	0.007
rs7451258	-367886	0.049
rs12199773	-364561	0.006
rs12195455	-363470	0.006
rs3130466	-362544	0.000
rs9295967	-358456	0.065
rs9263957	-358301	0.007
rs3869109	-358280	0.009
rs9501522	-358051	0.170
rs1634703	-357214	0.071
rs3132501	-356499	0.005
rs9263963	-356450	0.005
rs9263964	-356437	0.024
rs9263966	-356246	0.007
rs9263967	-356231	0.037

rs9263969	-355942	0.027
rs9263970	-355875	0.027
rs7383336	-355401	0.001
rs9461662	-355373	0.169
rs9501354	-354209	0.039
rs3130517	-352173	0.000
rs1345274	-351849	0.000
rs9263989	-351096	0.000
rs6904669	-349680	0.000
rs7758178	-348510	0.001
rs3130941	-344962	0.008
rs3134782	-344843	0.007
rs3130940	-344263	0.001
rs3130527	-343489	0.014
rs3868078	-343312	0.014
rs3130473	-343268	0.001
rs3130474	-343220	0.001
rs3869113	-343180	0.014
rs3130528	-343016	0.000
rs11967600	-342903	0.011
rs11967684	-342710	0.018
rs6927461	-340673	0.014
rs2394888	-340230	0.011
rs2894184	-339899	0.003
rs7768431	-339811	0.001
rs7745906	-338468	0.001
rs3869115	-337782	0.000
rs3134769	-336722	0.009
rs3869117	-336553	0.000
rs4451179	-336129	0.000
rs3130531	-335860	0.002
rs3134768	-335632	0.001
rs12660508	-335169	0.000
rs3132499	-334556	0.006
rs3130532	-334023	0.009
rs3132497	-333885	0.004
rs9501535	-333670	0.020
rs3130712	-332966	0.004
rs12332925	-332662	0.001
rs3130406	-332637	0.001
rs9501541	-332562	0.000
rs3130688	-332260	0.008
rs6901869	-332211	0.013
rs3134766	-332014	0.030
rs3134765	-331899	0.026
rs1639106	-329159	0.006
rs4332019	-329063	0.040
rs3130407	-329023	0.000
rs3130408	-328685	0.000
rs9264136	-328574	0.000
rs3899471	-327439	0.055
rs3095241	-326841	0.007
rs7454338	-326511	0.000
rs9468908	-326249	0.020
rs9501542	-325804	0.000
rs9501543	-325520	0.000
rs9501364	-325450	0.008
rs9357117	-324972	0.002
rs3130423	-324268	0.029
rs3130425	-324149	0.028
rs3130426	-323941	0.000
rs4084090	-323641	0.002
rs4084262	-323587	0.022
rs3130427	-323492	0.037
rs3130428	-323386	0.000
rs1639114	-323252	0.070
rs11962994	-323187	0.003
rs3130433	-322838	0.002
rs3130540	-322614	0.044

rs9264180	-322574	0.034
rs4473905	-322107	0.000
rs3130439	-321453	0.000
rs4416711	-321437	0.002
rs3095254	-320808	0.020
rs9501548	-313924	0.001
rs3130441	-313911	0.010
rs9264374	-313810	0.005
rs2524121	-313504	0.000
rs9264386	-313346	0.003
rs9264391	-313273	0.001
rs9368665	-313228	0.036
rs2844627	-313014	0.005
rs2844626	-312924	0.018
rs9368666	-312832	0.068
rs11966319	-312798	0.001
rs11966332	-312775	0.022
rs9264409	-312738	0.002
rs9264416	-312434	0.006
rs2894196	-312365	0.051
rs2394950	-311775	0.001
rs9357120	-311759	0.062
rs2394951	-311717	0.002
rs2245822	-311676	0.004
rs2524117	-311607	0.020
rs2394952	-311594	0.002
rs7747738	-311552	0.003
rs3130543	-310329	0.000
rs9501366	-310167	0.000
rs9264481	-310158	0.000
rs9264482	-310064	0.002
rs2844623	-309933	0.014
rs9264492	-309800	0.001
rs9264505	-309355	0.002
rs9264508	-309262	0.002
rs2894202	-309206	0.002
rs2394954	-309081	0.000
rs2394955	-309080	0.000
rs2394956	-309020	0.004
rs2248880	-308966	0.003
rs9264522	-308833	0.001
rs9264523	-308718	0.002
rs9264526	-308488	0.002
rs9264528	-308418	0.002
rs9264531	-308237	0.002
rs9264532	-308095	0.022
rs9264536	-307935	0.003
rs2524103	-307874	0.070
rs4443537	-307589	0.000
rs9264570	-307055	0.012
rs9264575	-306900	0.004
rs3864297	-306821	0.003
rs2524100	-306707	0.000
rs9264582	-306660	0.000
rs2524099	-306425	0.017
rs9501561	-306316	0.000
rs2853950	-306301	0.000
rs12663884	-306285	0.000
rs9394047	-306226	0.067
rs1049281	-305909	0.028
rs9264589	-305792	0.000
rs1049853	-305576	0.000
rs2001181	-305478	0.007
rs9264594	-305428	0.007
rs9264601	-305123	0.001
rs9264602	-305071	0.031
rs9264603	-305039	0.036
rs9264604	-305027	0.030
rs9264606	-304884	0.031

rs9264608	-304816	0.021
rs9264636	-304179	0.024
rs9264638	-304158	0.005
rs9264647	-303863	0.027
rs9264648	-303815	0.000
rs9264664	-303249	0.027
rs9264672	-302710	0.002
rs7767581	-302621	0.028
rs2074491	-302580	0.000
rs6457358	-302477	0.254
rs2524094	-302435	0.060
rs2844622	-302416	0.009
rs9366775	-302380	0.003
rs2524091	-302183	0.004
rs2074488	-302045	0.015
rs9357121	-301997	0.003
rs4361609	-301841	0.010
rs5009853	-301840	0.194
rs9264679	-301813	0.004
rs2395471	-301784	0.000
rs2249741	-301764	0.002
rs2249742	-301755	0.010
rs9264681	-301605	0.007
rs7773175	-301517	0.007
rs7759127	-301488	0.001
rs5010528	-301444	0.007
rs13191343	-301367	0.000
rs13207315	-301349	0.017
rs2844621	-300939	0.003
rs2524084	-300837	0.048
rs2524083	-300739	0.000
rs2524082	-300715	0.018
rs9264699	-300543	0.001
rs2524079	-300302	0.001
rs12111032	-300285	0.060
rs2844619	-300253	0.001
rs3132491	-300204	0.009
rs2844618	-300037	0.000
rs3132490	-299916	0.002
rs3132489	-299802	0.026
rs9380232	-299735	0.004
rs2844615	-299517	0.005
rs3132486	-299306	0.022
rs9461680	-299129	0.102
rs9468911	-299117	0.000
rs3132485	-299087	0.043
rs6913377	-298981	0.003
rs2524077	-298873	0.001
rs12234123	-298872	0.004
rs13200569	-298861	0.063
rs3931670	-298709	0.004
rs2040748	-298691	0.023
rs2844613	-298630	0.019
rs3130696	-298592	0.040
rs2844612	-298505	0.033
rs2844611	-298497	0.027
rs2524074	-298455	0.039
rs9394049	-298448	0.005
rs9264731	-298408	0.006
rs13203895	-298394	0.000
rs9264733	-298262	0.022
rs9264740	-298145	0.007
rs2524070	-297956	0.010
rs6919409	-297944	0.070
rs9264742	-297860	0.001
rs3930575	-297822	0.005
rs2524069	-297687	0.019
rs2524068	-297415	0.022
rs9391714	-297396	0.003

rs12205033	-297116	0.006
rs9264745	-296998	0.006
rs2853948	-296903	0.000
rs6906846	-296740	0.017
rs9378228	-296105	0.000
rs2844610	-295871	0.131
rs7381988	-295773	0.001
rs7382297	-295409	0.006
rs6457372	-295355	0.002
rs4386816	-295341	0.008
rs7382307	-295327	0.004
rs2853946	-295273	0.003
rs9264756	-295035	0.001
rs7755686	-294680	0.003
rs2524064	-294659	0.000
rs2524063	-294321	0.010
rs9264757	-294306	0.000
rs12529015	-294214	0.000
rs9380234	-293908	0.003
rs2844605	-293885	0.035
rs9264759	-293798	0.012
rs13208617	-293657	0.000
rs9380235	-293590	0.010
rs7766156	-292686	0.017
rs12662484	-292405	0.000
rs9468915	-291675	0.016
rs9461681	-291436	0.005
rs2394963	-291014	0.027
rs2524057	-290581	0.103
rs2524055	-290239	0.000
rs2524054	-290080	0.003
rs2524053	-290007	0.013
rs2853937	-289907	0.001
rs9348860	-289809	0.004
rs9348861	-289754	0.004
rs9348862	-289729	0.007
rs9368670	-289594	0.004
rs12191877	-289551	0.000
rs2853936	-289191	0.000
rs9461684	-289032	0.007
rs2844600	-288705	0.000
rs9468919	-288610	0.006
rs2853934	-288548	0.000
rs2524052	-288480	0.019
rs2853933	-288388	0.016
rs7754443	-288213	0.022
rs7754903	-287980	0.022
rs9380236	-287812	0.002
rs9368671	-287772	0.004
rs9468920	-287540	0.026
rs16899147	-287275	0.004
rs9468922	-287190	0.008
rs2853930	-287052	0.000
rs2853929	-287042	0.004
rs2524051	-286976	0.001
rs2524050	-286935	0.000
rs2524049	-286523	0.074
rs2844599	-286471	0.001
rs2844598	-286395	0.000
rs2524048	-285915	0.000
rs2524047	-285885	0.000
rs9366776	-285846	0.005
rs16899160	-285809	0.041
rs2524044	-285723	0.103
rs2844597	-285553	0.000
rs2524043	-285464	0.001
rs4628144	-285372	0.025
rs2524042	-285316	0.100
rs2844596	-285100	0.004

rs2853928	-284965	0.030
rs2853927	-284885	0.001
rs16899166	-284380	0.194
rs16899168	-283789	0.193
rs9468925	-283639	0.001
rs3873377	-283608	0.004
rs3906269	-283508	0.024
rs16899170	-283459	0.228
rs1819788	-283339	0.001
rs2524163	-282897	0.006
rs2524162	-282726	0.000
rs2524161	-282678	0.012
rs2524160	-282622	0.000
rs6916525	-282574	0.004
rs2524159	-282546	0.016
rs9468926	-282258	0.002
rs9357122	-282131	0.004
rs9394051	-281907	0.004
rs9394052	-281768	0.004
rs2524155	-281737	0.001
rs3906276	-281392	0.022
rs16899178	-281339	0.227
rs2243868	-281200	0.014
rs9295969	-281006	0.004
rs2524152	-280547	0.117
rs2524151	-280517	0.047
rs9264769	-280515	0.064
rs3873379	-280307	0.024
rs3873380	-280038	0.013
rs9348863	-280015	0.002
rs2524149	-279825	0.098
rs9468927	-279747	0.000
rs2524148	-279706	0.000
rs2524146	-279693	0.000
rs9357123	-279607	0.004
rs3906273	-279553	0.196
rs3906272	-279552	0.000
rs2853926	-279425	0.001
rs9468929	-279260	0.003
rs3873381	-279245	0.004
rs3873382	-279220	0.004
rs2524144	-279126	0.001
rs2524142	-278954	0.030
rs11760024	-278770	0.000
rs2894207	-278725	0.111
rs9264778	-278305	0.001
rs9380237	-278084	0.055
rs9264779	-278015	0.003
rs9366777	-277761	0.004
rs2524136	-277714	0.103
rs2524133	-277654	0.001
rs9468932	-277653	0.109
rs2524132	-277564	0.001
rs2853925	-277554	0.000
rs9468933	-277419	0.000
rs2524131	-277389	0.101
rs2246954	-277214	0.012
rs2524123	-277162	0.000
rs9461685	-277121	0.019
rs9394053	-277101	0.002
rs2247056	-276986	0.027
rs3905495	-276937	0.009
rs2853923	-276739	0.001
rs13191519	-276724	0.001
rs2524095	-276359	0.016
rs7761855	-276325	0.002
rs16899202	-276177	0.000
rs16899203	-276141	0.228
rs16899207	-276089	0.025

rs2524089	-275954	0.013
rs2524085	-275912	0.071
rs13209696	-275777	0.000
rs4543367	-275709	0.025
rs2524060	-275054	0.003
rs16899208	-274980	0.002
rs9380238	-274858	0.005
rs16899213	-274334	0.025
rs6918048	-274047	0.001
rs9394054	-273896	0.003
rs2853918	-273856	0.016
rs2524145	-273729	0.000
rs9380240	-273644	0.002
rs2524135	-273546	0.001
rs12174774	-273511	0.163
rs2394967	-273347	0.044
rs2524066	-273322	0.012
rs9366778	-273303	0.004
rs12663075	-273220	0.127
rs3873385	-273168	0.000
rs12660183	-273153	0.118
rs3915971	-273128	0.000
rs4523128	-273094	0.013
rs3915970	-273016	0.104
rs9295970	-272954	0.020
rs9468935	-272923	0.000
rs12663108	-272921	0.155
rs9380241	-272775	0.000
rs9368672	-272747	0.001
rs1960278	-272602	0.000
rs12182794	-272592	0.029
rs1111463	-272550	0.000
rs9468937	-272358	0.008
rs9468938	-272322	0.024
rs6930143	-272101	0.178
rs9264842	-271469	0.000
rs13200073	-271468	0.000
rs13216197	-271458	0.003
rs9264845	-271400	0.025
rs6913294	-271352	0.028
rs7750269	-271319	0.008
rs9264848	-271281	0.000
rs9264849	-271250	0.002
rs9264850	-271236	0.000
rs9264851	-271206	0.001
rs11967472	-271191	0.016
rs9264852	-271166	0.002
rs9264853	-271154	0.003
rs9264855	-271110	0.000
rs9264856	-271013	0.000
rs10081114	-271007	0.022
rs9264857	-271003	0.000
rs9264859	-270991	0.000
rs13200571	-270965	0.000
rs9264862	-270949	0.001
rs9264863	-270946	0.019
rs9264867	-270891	0.000
rs9264868	-270875	0.000
rs9264869	-270846	0.000
rs9264870	-270814	0.000
rs9468940	-270796	0.016
rs9461688	-270760	0.020
rs9264875	-270741	0.000
rs9264878	-270715	0.000
rs9264879	-270701	0.000
rs9264880	-270624	0.000
rs9264882	-270600	0.000
rs9264883	-270582	0.001
rs9264884	-270555	0.000

rs7751729	-270540	0.000
rs9264885	-270518	0.000
rs6918887	-270343	0.027
rs9368675	-270319	0.002
rs9368676	-270267	0.000
rs6457374	-270215	0.027
rs9368677	-270155	0.004
rs9264895	-270114	0.000
rs9264896	-270107	0.000
rs9264897	-270083	0.025
rs9264898	-270080	0.015
rs9264899	-270055	0.001
rs9264900	-270029	0.000
rs9368678	-270013	0.000
rs9264901	-269986	0.000
rs9264902	-269970	0.028
rs9264903	-269969	0.000
rs9264904	-269923	0.001
rs9264906	-269886	0.000
rs6457375	-269864	0.035
rs9264909	-269844	0.000
rs6899872	-269832	0.000
rs9264910	-269828	0.001
rs9264912	-269798	0.000
rs9264913	-269790	0.002
rs9264915	-269771	0.020
rs9368679	-269747	0.000
rs9264916	-269702	0.004
rs9264917	-269668	0.000
rs9368680	-269632	0.001
rs12664384	-269584	0.193
rs396337	-269561	0.002
rs396038	-269496	0.000
rs7760988	-269446	0.000
rs6905036	-269330	0.012
rs9264921	-269324	0.001
rs364415	-269252	0.001
rs393225	-269208	0.000
rs9264924	-269175	0.000
rs9264925	-269166	0.000
rs7761496	-269152	0.003
rs7761515	-269110	0.000
rs9264927	-269054	0.000
rs9264928	-269021	0.000
rs7761965	-268981	0.046
rs9357124	-268922	0.013
rs2508006	-268914	0.000
rs9357125	-268898	0.002
rs2508004	-268881	0.011
rs12178000	-268805	0.000
rs9366779	-268785	0.000
rs9394057	-268784	0.000
rs16899241	-268773	0.193
rs3873386	-268731	0.014
rs1634795	-268462	0.003
rs1634761	-268449	0.045
rs9264929	-268339	0.000
rs9264931	-268280	0.000
rs9264932	-268270	0.000
rs9264933	-268258	0.001
rs9264936	-268219	0.000
rs9264937	-268209	0.059
rs9264938	-268207	0.000
rs9264941	-268178	0.000
rs9264942	-268096	0.000
rs9468942	-268035	0.001
rs9264943	-267955	0.001
rs10484554	-267921	0.001
rs9264944	-267857	0.082

rs9264945	-267849	0.000
rs9264947	-267829	0.000
rs3094691	-267783	0.019
rs9264951	-267376	0.000
rs2524168	-267313	0.001
rs396243	-267302	0.001
rs2853916	-267230	0.018
rs13194791	-267199	0.005
rs2853915	-267187	0.000
rs4544954	-266367	0.000
rs1634757	-265866	0.045
rs9391820	-262375	0.001
rs9391822	-261730	0.008
rs7771432	-261726	0.029
rs16867947	-261653	0.006
rs6941926	-261247	0.001
rs10484555	-261011	0.000
rs9295972	-260849	0.007
rs3887377	-260814	0.000
rs9295976	-260706	0.007
rs9295977	-260663	0.007
rs9405017	-260574	0.006
rs9405018	-260481	0.006
rs9391764	-260338	0.000
rs9391765	-260328	0.000
rs981536	-260222	0.003
rs16899279	-260137	0.007
rs16899280	-259969	0.008
rs1634746	-259699	0.002
rs16867954	-259439	0.006
rs1634737	-257930	0.015
rs7769025	-257127	0.000
rs9366780	-238151	0.003
rs4492231	-229905	0.000
rs9265858	-229853	0.008
rs12173768	-228550	0.000
rs7453967	-228233	0.002
rs2923006	-225377	0.004
rs2156875	-225129	0.002
rs2187578	-224998	0.000
rs2523619	-224332	0.000
rs2442719	-221938	0.019
rs2596501	-221265	0.000
rs2770	-220669	0.018
rs2523608	-219917	0.006
rs7769258	-219177	0.000
rs2596486	-217401	0.000
rs9266247	-216720	0.000
rs2523589	-215142	0.000
rs2596548	-211930	0.006
rs9266329	-211688	0.157
rs2523560	-211632	0.000
rs9266336	-211341	0.042
rs2596549	-211310	0.025
rs9266338	-211269	0.079
rs2523557	-211219	0.044
rs9266340	-211170	0.020
rs2523554	-210647	0.037
rs9266355	-210328	0.060
rs2596551	-210237	0.027
rs9501374	-210144	0.013
rs4327724	-209788	0.000
rs2844581	-209773	0.014
rs9266359	-209737	0.060
rs2844580	-209173	0.052
rs2523545	-208977	0.037
rs2523544	-208914	0.011
rs9501571	-208866	0.010
rs2844579	-208760	0.008

rs9501572	-208656	0.017
rs9266375	-208602	0.043
rs9266379	-208295	0.053
rs2596427	-208083	0.006
rs2844577	-208054	0.006
rs9266380	-207999	0.008
rs2844576	-207875	0.006
rs2596428	-207745	0.006
rs9266381	-207684	0.067
rs7766461	-207677	0.003
rs2596429	-207655	0.005
rs6457401	-207624	0.025
rs6457402	-207612	0.025
rs9266382	-207599	0.058
rs2844575	-207531	0.000
rs9266384	-207483	0.000
rs9266386	-207394	0.066
rs7767216	-207380	0.010
rs2523542	-207320	0.004
rs9266387	-207260	0.038
rs7767142	-207165	0.004
rs9266392	-207073	0.060
rs2596430	-207045	0.011
rs2844573	-207022	0.014
rs9266395	-206910	0.054
rs2523538	-206853	0.007
rs2844571	-206829	0.014
rs9266399	-206670	0.060
rs2922994	-206575	0.011
rs2523536	-206476	0.007
rs7743761	-206376	0.017
rs9266404	-206253	0.060
rs2523535	-206226	0.038
rs2523534	-206127	0.000
rs9266406	-206058	0.060
rs9266409	-205908	0.055
rs2844569	-205872	0.014
rs2844568	-205848	0.007
rs2844567	-205832	0.003
rs12660817	-205719	0.000
rs2253907	-205606	0.003
rs9266417	-205482	0.020
rs9266420	-205361	0.060
rs2905716	-205309	0.002
rs9266429	-205220	0.060
rs2922997	-205195	0.000
rs13215664	-205165	0.016
rs2523530	-204822	0.007
rs4991647	-204805	0.000
rs2523529	-204696	0.006
rs9266440	-204661	0.122
rs5006724	-204626	0.001
rs5006725	-204604	0.001
rs9266455	-204091	0.000
rs9295986	-203948	0.029
rs2442709	-203236	0.001
rs2523527	-203142	0.008
rs2523525	-202632	0.008
rs2844559	-202401	0.000
rs9368687	-202318	0.058
rs2523522	-202148	0.001
rs12178292	-202043	0.014
rs6930905	-201999	0.007
rs3997987	-201917	0.008
rs3997990	-201669	0.008
rs2523519	-201426	0.005
rs9266510	-201243	0.002
rs9266513	-201180	0.006
rs9266514	-201164	0.001

rs9266515	-201136	0.015
rs2844556	-201119	0.009
rs2844555	-201097	0.009
rs2254549	-200040	0.006
rs4446607	-200038	0.000
rs4610605	-199871	0.000
rs2254556	-199845	0.006
rs2507987	-199443	0.002
rs2507985	-199376	0.000
rs9266571	-199263	0.000
rs4463302	-198809	0.075
rs4959068	-198632	0.062
rs2844549	-198602	0.024
rs2523640	-198557	0.003
rs2523639	-198378	0.006
rs13198903	-198319	0.092
rs3997993	-198224	0.000
rs2523638	-198203	0.004
rs3997982	-198182	0.006
rs3957110	-198128	0.003
rs3957111	-197986	0.005
rs13202464	-197893	0.067
rs9266596	-197850	0.007
rs2844546	-197819	0.024
rs4959069	-197591	0.000
rs9266604	-197408	0.079
rs2442744	-197100	0.019
rs2507984	-196880	0.021
rs2844544	-196748	0.006
rs2442743	-196675	0.014
rs13193697	-196661	0.001
rs2523632	-196632	0.003
rs9266613	-196611	0.001
rs7742428	-196545	0.021
rs2507982	-196283	0.006
rs2442738	-196062	0.006
rs2523627	-196031	0.017
rs2523626	-195986	0.006
rs6909636	-195877	0.010
rs2442736	-195855	0.000
rs2442735	-195823	0.001
rs4248814	-195721	0.004
rs9266627	-195671	0.012
rs9266629	-195654	0.004
rs12206361	-195576	0.001
rs9501587	-195539	0.014
rs9501588	-195456	0.017
rs9266636	-195443	0.007
rs9266638	-195419	0.020
rs3094600	-195332	0.013
rs3132093	-195104	0.000
rs2244020	-195025	0.000
rs2244027	-194910	0.030
rs4713460	-194678	0.074
rs4713462	-194660	0.158
rs2507980	-194599	0.006
rs2596573	-194546	0.016
rs2596571	-194454	0.016
rs9266669	-194399	0.027
rs11962863	-194385	0.000
rs4143334	-194276	0.002
rs9266684	-193971	0.044
rs4143333	-193957	0.044
rs9266688	-193933	0.041
rs9266689	-193896	0.005
rs2844538	-193597	0.040
rs2844536	-193540	0.043
rs9266701	-193446	0.052
rs9266718	-192688	0.028

rs9266719	-192671	0.018
rs9295987	-192632	0.003
rs9266722	-192554	0.041
rs2523547	-192322	0.005
rs2596568	-192244	0.014
rs2844535	-192173	0.013
rs4293988	-192096	0.039
rs9266728	-192037	0.001
rs9266729	-192013	0.039
rs2523532	-191926	0.004
rs3094596	-191897	0.016
rs1521	-191772	0.016
rs2523488	-191621	0.004
rs2523487	-191601	0.006
rs9266740	-191533	0.006
rs2523485	-191441	0.005
rs2523646	-191397	0.007
rs3016014	-191323	0.019
rs2844532	-191301	0.022
rs9266746	-191263	0.000
rs3016013	-191234	0.001
rs9266749	-191163	0.030
rs3099849	-191061	0.006
rs3099848	-191034	0.000
rs2905715	-190946	0.001
rs9266759	-190904	0.002
rs2442752	-190712	0.027
rs2507976	-190589	0.052
rs2442749	-190436	0.002
rs9266772	-190363	0.002
rs2507975	-190334	0.043
rs9266773	-190128	0.008
rs7775759	-190030	0.030
rs7741091	-189845	0.003
rs6903496	-189702	0.019
rs9266774	-189596	0.041
rs2844531	-189305	0.007
rs9266775	-189059	0.041
rs2844529	-188883	0.027
rs4081552	-188787	0.000
rs2853974	-188542	0.007
rs6909461	-188526	0.001
rs9266776	-188499	0.000
rs2853973	-188484	0.029
rs2428486	-188372	0.027
rs2523482	-188311	0.000
rs2596563	-188309	0.000
rs6932730	-188294	0.011
rs9266777	-188276	0.000
rs12524487	-188238	0.031
rs2853972	-188132	0.007
rs4711268	-187972	0.001
rs13437082	-187916	0.001
rs2596562	-187881	0.024
rs13437092	-187420	0.000
rs13437088	-187357	0.000
rs2523480	-186774	0.004
rs2428484	-186663	0.003
rs2507973	-186633	0.000
rs2853969	-185902	0.007
rs3997969	-184079	0.000
rs6907370	-183747	0.045
rs9266791	-183533	0.009
rs9348866	-183521	0.005
rs3998336	-183314	0.000
rs9266792	-183300	0.020
rs3997970	-183278	0.004
rs3997971	-183273	0.000
rs3891170	-183270	0.000

rs2596517	-182381	0.006
rs7771971	-182135	0.001
rs2523477	-182087	0.007
rs7751725	-182043	0.003
rs7752021	-181950	0.000
rs2428477	-181151	0.007
rs10947206	-181079	0.000
rs2523476	-181052	0.007
rs10947207	-180991	0.004
rs9391726	-180969	0.000
rs2523475	-180766	0.024
rs10947208	-180639	0.000
rs2523473	-180579	0.027
rs13209817	-180095	0.001
rs2523471	-179892	0.009
rs2523467	-179546	0.024
rs11755151	-178576	0.000
rs9501387	-178017	0.027
rs7739521	-177853	0.002
rs7739560	-177686	0.008
rs2523457	-176769	0.003
rs4349859	-176689	0.000
rs12661317	-176607	0.131
rs2428475	-175854	0.018
rs2428474	-175453	0.018
rs2844527	-174840	0.087
rs11964383	-174734	0.000
rs2523454	-174611	0.008
rs2596540	-174594	0.010
rs2523453	-174351	0.018
rs2844524	-174038	0.111
rs6911024	-174025	0.001
rs2844523	-173888	0.007
rs2523451	-173325	0.003
rs3130480	-173206	0.000
rs3094583	-172989	0.000
rs3094582	-172929	0.000
rs3094581	-172902	0.000
rs3099845	-172869	0.000
rs3094580	-172804	0.000
rs12663041	-172118	0.000
rs2301750	-171134	0.002
rs2301749	-171121	0.000
rs2301748	-171079	0.000
rs2844519	-171046	0.002
rs2301747	-170889	0.012
rs9368693	-170749	0.000
rs2844518	-169907	0.004
rs9295988	-168758	0.003
rs12174396	-167897	0.014
rs2523497	-165548	0.002
rs12660741	-165487	0.040
rs6910087	-165429	0.006
rs12175489	-164889	0.035
rs9266804	-164834	0.000
rs9380254	-164141	0.014
rs1063632	-163966	0.004
rs1051790	-163520	0.000
rs1051792	-163499	0.000
rs3819269	-163460	0.000
rs3819268	-163417	0.001
rs1131896	-163361	0.017
rs1131897	-163342	0.000
rs2256026	-163335	0.047
rs3828875	-163308	0.001
rs2256028	-163278	0.005
rs2853977	-163172	0.068
rs1063635	-162545	0.007
rs2844514	-162136	0.010

rs2256175	-162027	0.010
rs2256183	-161947	0.061
rs12213831	-161875	0.001
rs6933779	-161744	0.012
rs6934097	-161731	0.016
rs2857282	-161669	0.005
rs9357133	-161579	0.014
rs6934187	-161502	0.001
rs9266813	-161155	0.000
rs9266816	-160943	0.000
rs9266817	-160924	0.001
rs7756993	-160343	0.000
rs7775227	-160329	0.007
rs9266823	-159786	0.022
rs2853975	-159759	0.056
rs9266825	-159594	0.003
rs9266830	-159405	0.029
rs9266831	-159393	0.000
rs9266833	-159368	0.004
rs9266844	-158145	0.000
rs2848713	-157997	0.068
rs9468992	-157898	0.007
rs9266845	-157684	0.015
rs9266846	-157587	0.003
rs9295990	-156457	0.008
rs3132472	-156345	0.020
rs2516450	-155319	0.004
rs2596530	-155103	0.061
rs2596532	-154605	0.154
rs3880459	-154564	0.001
rs2848716	-154509	0.071
rs2596533	-154423	0.001
rs9501106	-154367	0.002
rs2844513	-154262	0.007
rs9283891	-154246	0.007
rs9295991	-154199	0.011
rs9295993	-153881	0.017
rs10223421	-152421	0.017
rs2394994	-150858	0.029
rs2524279	-149570	0.013
rs7776044	-142655	0.006
rs13215224	-140519	0.000
rs11967289	-140348	0.008
rs7772549	-134833	0.000
rs2844520	-134718	0.006
rs9469002	-134704	0.001
rs9469003	-134648	0.001
rs9469004	-134580	0.131
rs3094738	-134563	0.005
rs6938467	-134560	0.003
rs6938674	-134472	0.002
rs2524276	-134211	0.006
rs3132473	-134147	0.021
rs4713465	-132948	0.005
rs9267084	-132871	0.003
rs2844510	-132068	0.009
rs3869129	-131827	0.001
rs3869130	-131725	0.015
rs9267088	-131263	0.000
rs2395004	-129963	0.000
rs2596464	-129515	0.000
rs9765960	-129476	0.002
rs2516467	-128678	0.005
rs12206131	-128466	0.000
rs6457422	-126320	0.014
rs13214517	-126116	0.049
rs2516462	-125837	0.026
rs2524281	-125777	0.001
rs16899646	-125556	0.000

rs11970341	-125519	0.000
rs3128982	-125285	0.002
rs7745066	-123914	0.000
rs2516456	-122458	0.000
rs2523685	-116220	0.020
rs6918524	-116173	0.000
rs2523683	-115571	0.000
rs2254620	-115245	0.000
rs7765011	-114886	0.000
rs6930572	-114307	0.001
rs6935569	-113948	0.000
rs11754929	-113707	0.000
rs2596472	-113509	0.039
rs6928071	-111587	0.000
rs6905676	-111468	0.000
rs11752262	-110719	0.002
rs2395029	-110696	0.000
rs2395030	-110602	0.031
rs2284178	-110351	0.020
rs11757571	-109689	0.065
rs11757602	-109674	0.065
rs11759988	-109615	0.065
rs11757667	-109403	0.000
rs2523679	-108142	0.085
rs3094013	-108110	0.013
rs2523677	-107675	0.057
rs2516518	-107357	0.005
rs2516517	-107150	0.000
rs9366784	-107122	0.000
rs2244546	-106643	0.007
rs4713466	-106607	0.010
rs2523676	-106485	0.001
rs2523674	-105687	0.001
rs2395031	-105171	0.008
rs2523671	-105158	0.000
rs2894220	-104970	0.010
rs9404989	-104910	0.001
rs9267135	-104859	0.004
rs7752826	-104565	0.000
rs12111189	-104548	0.000
rs2523668	-104380	0.014
rs2596450	-104233	0.000
rs2516443	-104153	0.000
rs2244839	-104108	0.034
rs2523666	-103882	0.000
rs7758090	-103682	0.010
rs7758414	-103621	0.000
rs2844505	-103413	0.000
rs2523664	-103197	0.000
rs9267139	-102978	0.012
rs9267140	-102919	0.000
rs2523663	-102736	0.004
rs9267142	-102687	0.010
rs9267143	-102639	0.002
rs9267146	-102582	0.010
rs9267147	-102552	0.010
rs1055566	-102489	0.004
rs1055569	-102394	0.007
rs3828886	-101924	0.025
rs3828887	-101877	0.052
rs2516439	-101844	0.000
rs4413654	-101127	0.003
rs2523657	-101102	0.000
rs12665745	-100575	0.052
rs2516434	-99769	0.000
rs7741521	-99728	0.009
rs2516516	-98906	0.020
rs16899682	-98777	0.000
rs12660700	-98738	0.131

rs9267156	-98566	0.014
rs11962634	-98029	0.000
rs9267158	-97324	0.000
rs3021366	-96705	0.001
rs2516425	-96276	0.066
rs11758964	-96110	0.001
rs2248372	-96010	0.035
rs2248373	-95930	0.022
rs9267168	-95919	0.007
rs2248459	-95766	0.063
rs2248462	-95680	0.014
rs2243429	-95656	0.053
rs2248477	-95471	0.000
rs2516514	-95341	0.017
rs2516513	-94888	0.006
rs9267169	-94493	0.008
rs2523651	-94322	0.000
rs4323336	-94246	0.000
rs2516424	-94161	0.053
rs2248613	-94044	0.053
rs2248617	-93943	0.053
rs2516511	-93851	0.014
rs3828893	-93823	0.006
rs3749945	-93658	0.008
rs3749946	-93614	0.015
rs3099844	-93500	0.022
rs2523650	-93454	0.070
rs2904776	-93395	0.000
rs2905722	-93149	0.010
rs2523647	-92698	0.144
rs9267176	-92646	0.008
rs2516510	-92562	0.054
rs2904775	-92514	0.000
rs2904774	-92323	0.000
rs2516508	-92136	0.062
rs2523710	-91567	0.255
rs2523709	-91553	0.032
rs9267184	-91239	0.008
rs2523708	-91197	0.062
rs2905747	-91000	0.018
rs2523707	-90944	0.072
rs2523706	-90909	0.062
rs3016009	-90515	0.050
rs2905741	-90184	0.000
rs2516505	-90033	0.062
rs2516504	-90001	0.065
rs9267202	-89874	0.006
rs2523700	-89447	0.062
rs9267211	-89099	0.003
rs2428501	-88929	0.024
rs9380257	-88909	0.000
rs9267212	-88858	0.008
rs2516500	-88836	0.062
rs2905735	-88812	0.000
rs9267218	-88504	0.005
rs9267248	-86541	0.052
rs9267259	-86104	0.052
rs3132469	-85909	0.008
rs2904785	-85427	0.024
rs2905731	-85196	0.003
rs9267280	-84843	0.008
rs2428499	-84183	0.072
rs2395033	-83922	0.001
rs2395490	-83483	0.000
rs2516417	-82840	0.057
rs2516415	-82734	0.055
rs2395036	-82192	0.001
rs2395038	-82025	0.001
rs12202667	-81423	0.010

rs3130922	-81387	0.007
rs3094006	-80918	0.014
rs3095235	-79306	0.013
rs3828901	-78758	0.000
rs2534679	-78686	0.052
rs6916187	-78550	0.007
rs6916394	-78426	0.008
rs3095234	-77905	0.025
rs3828905	-77574	0.010
rs3130927	-77484	0.020
rs6922431	-77446	0.000
rs2534674	-77373	0.032
rs2534673	-76986	0.050
rs2534672	-76918	0.060
rs6915833	-76839	0.007
rs2534671	-76815	0.000
rs3828913	-76681	0.000
rs3828914	-76657	0.007
rs2516498	-76577	0.007
rs3828916	-76561	0.011
rs3134897	-75929	0.024
rs2534669	-75616	0.012
rs2855804	-75111	0.054
rs2534667	-74377	0.008
rs7383312	-73930	0.032
rs9348869	-73722	0.011
rs12214252	-73248	0.011
rs10947213	-73153	0.013
rs10947214	-72985	0.013
rs13220215	-72133	0.000
rs10807092	-71931	0.008
rs9380258	-71614	0.000
rs3094002	-71254	0.029
rs12206243	-70919	0.009
rs9267415	-70646	0.008
rs9267416	-70457	0.000
rs6910955	-70132	0.471
rs12207951	-70017	0.012
rs2855812	-69756	0.092
rs2855814	-69434	0.000
rs3134899	-69190	0.025
rs3087326	-68305	0.000
rs3131638	-67349	0.052
rs3130615	-67063	0.026
rs4959077	-66848	0.000
rs3131636	-66382	0.028
rs3131635	-66342	0.028
rs3130614	-66018	0.020
rs6913243	-65010	0.000
rs9267429	-64945	0.000
rs2246618	-63490	0.057
rs6906011	-62688	0.000
rs3095229	-62204	0.003
rs6457443	-62078	0.007
rs9267432	-61968	0.000
rs2516401	-61570	0.066
rs3131633	-61553	0.037
rs3130612	-60379	0.022
rs2246986	-60273	0.007
rs9267444	-59018	0.004
rs3094001	-58444	0.044
rs9267446	-58018	0.000
rs10214756	-57426	0.000
rs3093998	-57302	0.060
rs3131630	-57122	0.044
rs3093950	-55575	0.039
rs9348874	-55556	0.000
rs3130639	-55156	0.046
rs3132455	-54522	0.000

rs2516489	-54438	0.926
rs3130637	-54331	0.046
rs3130636	-54285	0.045
rs9501147	-54092	0.000
rs3095228	-53713	0.046
rs4959079	-53597	0.004
rs3093995	-53572	0.039
rs3132454	-52832	0.350
rs9267463	-51996	0.004
rs9267464	-51830	0.004
rs3093993	-51751	0.046
rs9469021	-51506	0.004
rs9267466	-50445	0.001
rs3093988	-50023	0.031
rs3093986	-49055	0.039
rs3093985	-48891	0.039
rs2734574	-48588	0.091
rs10456058	-47738	0.120
rs2516485	-47252	0.000
rs2734572	-47200	0.000
rs2734579	-46382	0.000
rs2734578	-46355	0.000
rs3130633	-46224	0.000
rs2907768	-46178	0.000
rs2516484	-46095	0.004
rs9267478	-46081	0.000
rs2516482	-45907	0.000
rs2516481	-45753	0.000
rs3130054	-45700	0.036
rs9394074	-45698	0.000
rs2516480	-45685	0.770
rs2259435	-45561	0.893
rs3093983	-45551	0.036
rs2286712	-45497	0.000
rs13206927	-45434	0.000
rs2734587	-45298	0.000
rs3093982	-45232	0.035
rs2734586	-45134	0.922
rs3130055	-45077	0.046
rs3093981	-45019	0.032
rs2075582	-44770	0.057
rs3093979	-44732	0.039
rs3115537	-44641	0.039
rs3219190	-44501	0.008
rs2516478	-43739	0.926
rs2734585	-43062	0.000
rs2516477	-43006	0.000
rs3853601	-42873	0.007
rs9267481	-41634	0.000
rs11796	-41264	0.073
rs3093948	-41063	0.041
rs1055388	-40739	0.057
rs6915692	-39741	0.000
rs3131628	-39709	0.039
rs2516474	-39050	0.000
rs2471826	-38959	0.000
rs2734582	-38932	0.000
rs2734581	-38752	0.000
rs2075580	-38501	0.057
rs9267482	-38461	0.000
rs10456396	-37930	0.000
rs2734583	-36996	0.022
rs9380261	-36692	0.024
rs3130058	-36589	0.001
rs3093975	-36338	0.032
rs1129640	-35852	0.037
rs933208	-35828	0.058
rs2071596	-35785	0.007
rs2516393	-35732	0.039

rs2523512	-35675	0.926
rs2523511	-35622	0.039
rs3219187	-35601	0.000
rs2071595	-35414	0.009
rs2239709	-35029	0.009
rs2516473	-34714	0.003
rs12665489	-34489	0.131
rs11757236	-34447	0.000
rs12665501	-34407	0.131
rs12178599	-34203	0.000
rs2523508	-33715	0.031
rs3130059	-33192	0.071
rs2239527	-32697	0.078
rs2523506	-32509	0.926
rs2239528	-32371	0.057
rs2523504	-31618	0.057
rs12662306	-31338	0.131
rs9267487	-31126	0.004
rs12215563	-30188	0.001
rs2071594	-29756	0.073
rs2071593	-29677	0.009
rs2239705	-29074	0.013
rs2523503	-28917	0.922
rs2523502	-28612	0.039
rs2516389	-28279	0.000
rs2516388	-27990	0.000
rs2516387	-27960	0.000
rs3219185	-27398	0.000
rs3219184	-27336	0.009
rs2071592	-27136	0.068
rs2239708	-26713	0.004
rs9380262	-26153	0.000
rs3219183	-26113	0.004
rs2857607	-25228	0.005
rs9267490	-25151	0.000
rs9394075	-24895	0.000
rs2516384	-24780	0.000
rs2523500	-24122	0.064
rs6916921	-22050	0.004
rs2255798	-21174	0.770
rs6929796	-19807	0.007
rs12200955	-18864	0.000
rs13220165	-18035	0.000
rs2857605	-17625	0.044
rs2239707	-17157	0.022
rs3219179	-17122	0.000
rs2230365	-17028	0.222
rs3130062	-16564	0.001
rs13192469	-15620	0.004
rs9469024	-15210	0.000
rs4288225	-15083	0.000
rs4947324	-14346	0.008
rs4947325	-14302	0.000
rs2516479	-14150	0.076
rs13215091	-13786	0.004
rs2516390	-12593	0.082
rs9501149	-12274	0.000
rs9267494	-12201	0.000
rs928815	-11261	0.073
rs7762619	-11166	0.000
rs2844488	-9652	0.000
rs2844487	-9646	0.000
rs2857708	-8870	0.769
rs3131637	-7402	0.072
rs2844484	-6252	0.073
rs2857706	-4870	0.901
rs3093539	-4199	0.000
rs4647191	-3838	0.000
rs2844482	-2709	0.926

rs2857713	-1920	0.448
rs3093545	-517	0.000
rs2507961	-22	0.000
rs1800630	0	1.000
rs4248158	57	0.000
rs4987086	81	0.000
rs4248159	104	0.000
rs2736196	179	0.000
rs1800750	487	0.020
rs4248164	872	0.000
rs2515924	1015	0.000
rs3093662	1713	0.004
rs3730322	1942	0.000
rs4645844	2176	0.000
rs13306710	2219	0.000
rs11574936	2717	0.000
rs3093667	3291	0.000
rs3093669	4286	0.000
rs3093726	4313	0.000
rs3093670	4478	0.000
rs3093672	4944	0.002
rs3093561	4998	0.001
rs769177	5135	0.004
rs3093559	5316	0.000
rs3093558	5343	0.000
rs4645846	5790	0.000
rs769175	5892	0.000
rs3093556	5975	0.000
rs3093555	6414	0.000
rs11574937	6593	0.000
rs4647188	6809	0.000
rs4647187	6881	0.000
rs3093554	6931	0.000
rs4647184	7190	0.000
rs4647182	7214	0.000
rs4647181	7277	0.000
rs4647180	7301	0.000
rs3093552	7325	0.000
rs4647179	7518	0.000
rs7766988	8871	0.000
rs3093562	9061	0.000
rs2471961	10698	0.000
rs9267502	10718	0.000
rs9368696	11906	0.000
rs9469027	12238	0.002
rs2256965	12654	0.072
rs9267503	12713	0.000
rs2256974	12916	0.005
rs13211368	13342	0.002
rs1052248	14105	0.448
rs986475	14233	0.000
rs11575839	15315	0.131
rs11755226	18327	0.000
rs2736191	18434	0.001
rs2515920	20139	0.003
rs12198787	20752	0.012
rs2736189	22252	0.627
rs2509217	23728	0.003
rs9267510	23887	0.019
rs9267512	25943	0.019
rs2857595	25993	0.032
rs12205659	29344	0.000
rs2736186	29857	0.006
rs2857700	30005	0.004
rs9378200	30451	0.009
rs2844479	30480	0.154
rs9348876	32800	0.008
rs2844477	36296	0.087
rs2051552	37480	0.000

rs2736182	40836	0.001
rs2269475	41455	0.022
rs2857597	42524	0.027
rs2857693	45908	0.087
rs2736172	48422	0.087
rs2260000	51000	0.087
rs1046080	53406	0.027
rs2736165	54199	0.001
rs2844469	54972	0.000
rs2242660	55277	0.048
rs2736158	57828	0.001
rs2242657	60013	0.015
rs1046089	60491	0.047
rs11538264	60713	0.065
rs2261033	61115	0.110
rs9267522	61294	0.013
rs3132453	61568	0.005
rs3817659	62366	0.000
rs2178899	64280	0.001
rs3130628	66796	0.000
rs1077394	67908	0.018
rs3130047	68003	0.013
rs1077393	68053	0.082
rs9501153	69143	0.000
rs760293	69301	0.007
rs2077102	69364	0.022
rs3130048	71263	0.000
rs2242656	71626	0.000
rs2844463	72691	0.000
rs10484558	73038	0.065
rs805303	73890	0.063
rs805300	76091	0.001
rs9380266	76247	0.007
rs3130050	76285	0.004
rs1321823	76527	0.000
rs3115669	76548	0.001
rs3117583	77100	0.002
rs805299	77176	0.150
rs3117582	78044	0.004
rs7452332	79092	0.000
rs12525463	79308	0.000
rs805264	81397	0.001
rs707921	83065	0.001
rs3130617	85047	0.027
rs7029	87477	0.015
rs2295666	87934	0.000
rs805259	88901	0.001
rs12527318	88954	0.000
rs928814	89431	0.065
rs3130618	89658	0.013
rs2295664	90689	0.015
rs9357137	90744	0.000
rs11757239	90804	0.000
rs3117579	91020	0.013
rs805258	91076	0.003
rs805257	91717	0.048
rs9267529	92094	0.002
rs805256	93234	0.004
rs3117578	93555	0.004
rs9267531	94266	0.004
rs4569	95331	0.015
rs805268	95702	0.001
rs2142234	96653	0.002
rs2254083	97265	0.000
rs805267	97281	0.001
rs11758242	97369	0.065
rs11961444	97430	0.000
rs9267532	97503	0.002
rs1266076	98042	0.045

rs707919	98663	0.150
rs805272	98910	0.001
rs3115667	100923	0.027
rs9378164	101046	0.007
rs805269	101806	0.001
rs13295	102164	0.002
rs9469032	102950	0.000
rs9267533	103446	0.002
rs2280800	103922	0.015
rs9267534	104290	0.002
rs805290	105927	0.015
rs9469033	108530	0.000
rs9267536	108718	0.001
rs12524442	111972	0.000
rs707918	112256	0.032
rs11552113	112323	0.000
rs10573	112962	0.001
rs12193561	114052	0.000
rs707917	115278	0.015
rs805274	122718	0.015
rs2295663	126819	0.007
rs984685	126981	0.002
rs1266071	127020	0.002
rs12527088	127967	0.000
rs13207247	128654	0.000
rs9267545	129403	0.002
rs9267546	130960	0.002
rs9469038	131992	0.000
rs805295	132821	0.001
rs9267547	133025	0.002
rs2242653	133289	0.003
rs805287	136254	0.003
rs3793125	136528	0.000
rs9469039	136766	0.000
rs805286	136831	0.002
rs9469040	137398	0.001
rs9469041	137729	0.000
rs385306	138684	0.033
rs442391	138813	0.065
rs805284	139553	0.002
rs9469042	140542	0.001
rs3749952	140681	0.001
rs9267550	140847	0.000
rs11752227	142913	0.000
rs15574	144021	0.004
rs1065356	144532	0.001
rs13214568	144588	0.000
rs376510	145724	0.002
rs2736197	145912	0.002
rs805293	146042	0.026
rs4713479	146323	0.001
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rs423213	148699	0.000
rs453098	149181	0.002
rs4947252	149190	0.000
rs407283	150494	0.065
rs3116672	151849	0.000
rs6912515	153594	0.000
rs707916	155082	0.001
rs3763297	155190	0.000
rs453560	155200	0.000
rs9267551	155481	0.000
rs805304	155612	0.001
rs2272592	155876	0.046
rs9469043	157456	0.000
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rs9380267	160039	0.000
rs7451018	160112	0.000
rs400547	160234	0.002

rs400502	160282	0.000
rs9267553	160696	0.000
rs3131383	161818	0.001
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rs13194402	164868	0.000
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rs2299850	175559	0.000
rs2299851	176126	0.009
rs2445688	177453	0.000
rs3131379	178557	0.000
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rs3117574	182754	0.000
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rs3117575	183777	0.000
rs707939	184212	0.061
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rs3115671	191869	0.000
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rs9469050	198602	0.000
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rs9461725	202610	0.000
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rs707927	203042	0.001
rs707926	206344	0.007
rs743399	207328	0.000
rs11531	208033	0.000
rs2607012	208277	0.000
rs12215409	210184	0.000
rs11751198	211050	0.014
rs12110369	211620	0.000
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rs12212242	226495	0.000
rs9296002	227935	0.000
rs2242668	231345	0.007
rs2075800	235470	0.029
rs2227956	235796	0.046
rs2075799	236053	0.007
rs7757496	237759	0.000
rs1043618	241031	0.000
rs9469058	245574	0.001
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rs2763979	252116	0.000
rs2607017	253184	0.000
rs668558	255447	0.000
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rs6908775	256608	0.000
rs7769158	257018	0.007
rs11965654	258231	0.004
rs2471980	258392	0.001
rs9368699	260065	0.006
rs9368700	260208	0.000
rs11752103	260294	0.000

rs12206600	260787	0.000
rs12206601	260790	0.000
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rs9469059	262189	0.000
rs9469060	262239	0.001
rs11968400	262253	0.007
rs733539	265013	0.002
rs3130679	265064	0.000
rs599707	265960	0.001
rs3115673	267609	0.002
rs12192093	268941	0.000
rs9469063	271100	0.001
rs12210887	273247	0.000
rs574914	276900	0.015
rs12206140	280831	0.000
rs9267649	282352	0.044
rs13118	284810	0.001
rs3130678	284964	0.000
rs12181120	289245	0.000
rs6915800	291184	0.000
rs660594	294774	0.031
rs644827	295965	0.031
rs494620	296237	0.037
rs2242665	296833	0.031
rs3130481	297280	0.018
rs12661281	300122	0.001
rs13192107	301047	0.000
rs2736428	301448	0.043
rs6907185	302208	0.003
rs9267658	303509	0.004
rs9267659	303758	0.046
rs605203	304536	0.030
rs589428	305744	0.025
rs9461728	305804	0.001
rs555007	307856	0.005
rs652888	308758	0.024
rs3869145	308878	0.006
rs2844458	308993	0.056
rs9267660	309408	0.000
rs608118	311888	0.000
rs7743807	312067	0.000
rs486416	313594	0.030
rs535586	317861	0.030
rs659445	321828	0.030
rs7887	322071	0.000
rs2844455	327197	0.097
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rs1314000	335957	0.000
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rs10947225	350594	0.000
rs2734335	351468	0.067
rs3020644	352150	0.042
rs9332702	352342	0.000
rs9332732	352593	0.000
rs9332703	352740	0.000

rs4711281	352765	0.000
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rs9332739	361328	0.045
rs1042663	362654	0.010
rs9380272	363534	0.001
rs550605	364671	0.010
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rs638383	365748	0.002
rs9332726	365994	0.000
rs497239	366285	0.010
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rs542654	367980	0.000
rs4151666	370382	0.000
rs4151648	370599	0.000
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rs641153	371704	0.008
rs4151668	372193	0.000
rs13194698	372197	0.000
rs11754061	372361	0.000
rs4151650	372414	0.000
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rs4151669	372668	0.044
rs4151670	373056	0.001
rs4151651	373138	0.003
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rs512559	373586	0.002
rs537160	373924	0.003
rs4151654	374440	0.000
rs541862	374475	0.009
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rs2072634	374815	0.003
rs4151656	374865	0.000
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rs4151659	375988	0.000
rs1270942	376384	0.000
rs4151660	376542	0.000
rs2072633	377102	0.016
rs4151672	377354	0.044
rs522162	377441	0.008
rs760070	377480	0.008
rs3880457	377743	0.000
rs4151663	378121	0.000
rs550513	378211	0.008
rs4151664	378397	0.005
rs2072632	378999	0.011
rs9267784	380822	0.000
rs11756465	381067	0.000
rs9501161	381851	0.012
rs9267785	382393	0.000
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rs440454	384866	0.000
rs438999	385830	0.008
rs2280774	386215	0.050
rs419788	386323	0.000
rs437179	386538	0.000
rs2746401	386783	0.000
rs429608	387986	0.008
rs11966031	389133	0.000
rs9296003	390032	0.000
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rs453821	392835	0.009
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rs449643	394203	0.013
rs449283	394561	0.002
rs2734329	394638	0.000
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rs389883	404984	0.000
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rs2142037	463039	0.000
rs11757034	464246	0.000
rs6474	464410	0.050
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rs6472	465373	0.006
rs6457476	466878	0.000
rs7756934	466899	0.011
rs6920540	467011	0.000
rs17421133	467796	0.029
rs10807095	471369	0.000
rs11968543	471414	0.000
rs7741300	471512	0.000
rs433061	472351	0.008
rs2856447	473745	0.000
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rs2856443	474187	0.000
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rs2857013	476411	0.000
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rs2857010	478943	0.000
rs9469078	480648	0.000
rs9267796	480948	0.000
rs12524441	481757	0.020
rs1009382	483630	0.069
rs3130285	483780	0.000
rs1150758	485672	0.027
rs2269429	486706	0.008
rs204885	487452	0.003
rs2239689	487807	0.084
rs11753763	489440	0.000
rs9469079	489944	0.000
rs3749960	490279	0.000
rs7766862	490530	0.086
rs3117189	491467	0.003
rs9469080	492950	0.001
rs3749962	493880	0.008
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rs9469082	498454	0.008
rs11751545	498566	0.000
rs9368704	498896	0.000
rs204880	499514	0.000
rs3130286	499845	0.011

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[Back to ssSNPer Homepage](#)