

Supp. Table S1. SNPs from 43 telomere biology gene regions

Gene	SNP	Alleles*	MAF	Gene name; aka
<i>ACD</i>	rs12449157	A:G	0.155	Adrenocortical dysplasia homolog (mouse); PTPN1, Pip1, TINT1, Tpp1
	rs6979	A:G	0.482	
	rs7187476	T:C	0.157	
	rs7202185	G:A	0.071	
	rs9972635	T:C	0.051	
<i>ATM</i>	rs1263886	A:G	0.430	Ataxia-Telangiectasia Mutated; TEL1
	rs1800058	C:T	0.018	
	rs1800889	C:T	0.047	
	rs1801516	G:A	0.141	
	rs227060	C:T	0.330	
	rs227064	G:A	0.420	
	rs4987876	G:T	0.100	
	rs609261	G:A	0.430	
<i>BICD1</i>	rs623860	T:C	0.420	Bicaudal D homolog 1 (Drosophila)
	rs10771917	T:G	0.184	
	rs10771923	T:C	0.397	
	rs10771924	A:C	0.222	
	rs10771942	G:A	0.453	
	rs10844144	A:C	0.133	
	rs10844152	T:C	0.156	
	rs10844154	C:A	0.443	
	rs10844159	A:G	0.130	
	rs10844175	C:T	0.113	
	rs10844177	C:A	0.113	
	rs10844178	G:A	0.300	
	rs11051794	T:G	0.193	
	rs11051825	T:C	0.321	
	rs11051829	G:T	0.142	
	rs11051834	G:T	0.304	
	rs11051885	A:G	0.044	
	rs11051890	C:T	0.067	
	rs11051898	G:A	0.165	
	rs11051902	G:A	0.116	
	rs11051905	G:A	0.116	
	rs11051928	C:A	0.222	
	rs11051966	G:A	0.119	
	rs1144713	G:A	0.409	
	rs1144720	T:C	0.322	
	rs1151038	G:T	0.390	
	rs12229856	C:T	0.307	
	rs12296246	A:G	0.062	
	rs12297466	A:C	0.132	
	rs12312730	G:A	0.258	
	rs12369637	T:C	0.022	
	rs1239608	G:T	0.211	
	rs12426412	A:G	0.135	
rs1261166	G:A	0.193		

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	rs1271151	G:A	0.188	
	rs155202	T:C	0.484	
	rs1613650	A:G	0.266	
	rs161974	G:A	0.374	
	rs161981	G:A	0.464	
	rs1673857	C:T	0.195	
	rs16919488	G:A	0.084	
	rs16919514	A:G	0.055	
	rs16919663	A:C	0.148	
	rs17585107	A:G	0.155	
	rs17587240	A:G	0.075	
	rs1798255	G:A	0.327	
	rs1809241	A:G	0.260	
	rs2129590	C:T	0.400	
	rs2291420	C:T	0.221	
	rs2593993	C:T	0.447	
	rs2593996	C:T	0.468	
	rs2593998	A:G	0.324	
	rs2608396	A:G	0.419	
	rs261869	C:T	0.403	
	rs261871	A:G	0.166	
	rs261878	C:T	0.450	
	rs261884	C:T	0.097	
	rs261900	C:A	0.353	
	rs261902	C:T	0.172	
	rs2632359	C:A	0.297	
	rs2650143	C:T	0.482	
	rs2650144	A:G	0.465	
	rs2652007	A:G	0.438	
	rs2668301	T:C	0.183	
	rs2683471	C:T	0.266	
	rs325425	A:C	0.487	
	rs325426	T:G	0.492	
	rs325429	A:G	0.404	
	rs325435	C:T	0.085	
	rs325437	T:C	0.495	
	rs326633	T:C	0.382	
	rs326640	C:T	0.408	
	rs326644	A:G	0.472	
	rs3748276	A:G	0.221	
	rs3789975	A:G	0.219	
	rs3844105	T:C	0.201	
	rs3871520	C:T	0.473	
	rs4931619	T:C	0.427	
	rs6488035	C:T	0.133	
	rs6488043	A:G	0.135	
	rs708224	G:A	0.418	
	rs7136736	A:G	0.062	

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Gene	SNP	Alleles*	MAF	Gene name; aka
	rs7298381	G:T	0.445	
	rs7314141	T:C	0.351	
	rs7484762	G:A	0.486	
	rs7956602	G:A	0.219	
	rs7961369	G:A	0.471	
	rs7964583	G:A	0.361	
	rs7975071	T:C	0.497	
	rs901598	G:A	0.303	
	rs901600	T:G	0.254	
	rs9651846	A:G	0.206	
	rs985442	G:A	0.117	
	rs16944739	C:T	0.269	
	rs16944840	A:C	0.032	
	rs16944894	A:G	0.186	
	rs17183344	C:T	0.191	
	rs2238337	C:T	0.375	
	rs2270132	T:G	0.408	
	rs2532105	C:T	0.153	
	rs3784780	C:T	0.175	
	rs3815003	A:G	0.290	
<i>BLM</i>	rs389480	C:T	0.438	Bloom syndrome, RecQ helicase-like; RECQ3
	rs401549	A:G	0.350	
	rs414634	G:T	0.301	
	rs441399	T:C	0.463	
	rs4932363	G:A	0.058	
	rs7162960	A:G	0.214	
	rs7175811	G:A	0.348	
	rs7179346	T:G	0.085	
	rs8037430	C:T	0.314	
	rs8041787	C:T	0.286	
	rs10073340	C:T	0.162	
	rs31489	C:A	0.404	
<i>CLPTMIL</i>	rs401681	C:T	0.436	Cisplatin resistance-related protein 9; CLPTM1-like, CRR9
	rs402710	C:T	0.329	
	rs4975616	A:G	0.416	
	rs2890489	A:G	0.389	
	rs3755132	T:G	0.151	
<i>DDX1</i>	rs3770467	G:A	0.153	DEAD (Asp-Glu-Ala-Asp) box polypeptide 1
	rs6717251	C:A	0.421	
	rs6734024	G:A	0.319	
	rs7594193	A:G	0.154	
	rs10843881	A:G	0.448	
<i>DDX11</i>	rs244496	A:G	0.065	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 11 (CHL1-like helicase homolog, <i>S. cerevisiae</i>)
	rs4931434	C:A	0.325	
	rs731137	T:C	0.005	
<i>MAD1L1</i>	rs1002170	C:T	0.210	MAD1 mitotic arrest deficient-like 1 (yeast); TP53I9
	rs10233560	T:C	0.339	

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	rs10239050	A:G	0.395	
	rs10256077	T:C	0.428	
	rs10257990	T:C	0.363	
	rs10260968	A:G	0.403	
	rs10267593	G:A	0.202	
	rs10275045	C:T	0.413	
	rs10278591	C:T	0.215	
	rs10950503	C:A	0.400	
	rs10950536	A:G	0.429	
	rs11764590	C:T	0.217	
	rs11767177	G:T	0.099	
	rs11772205	C:T	0.415	
	rs12536239	C:T	0.020	
	rs12666575	C:T	0.371	
	rs12666773	C:T	0.013	
	rs12699476	C:A	0.271	
	rs12699477	T:C	0.362	
	rs13225346	T:C	0.440	
	rs1558461	G:A	0.111	
	rs1612548	G:A	0.227	
	rs1625464	T:C	0.120	
	rs1626670	G:A	0.377	
	rs1637750	T:C	0.418	
	rs1639909	C:A	0.409	
	rs17132242	G:A	0.030	
	rs17186327	G:A	0.185	
	rs17187301	T:G	0.229	
	rs17790613	G:A	0.179	
	rs3778969	G:A	0.383	
	rs3778973	C:T	0.229	
	rs3778990	C:T	0.320	
	rs3778991	G:A	0.351	
	rs3778994	C:A	0.386	
	rs3778995	T:C	0.120	
	rs3800879	G:A	0.353	
	rs3800895	G:A	0.280	
	rs3800913	A:G	0.411	
	rs3800933	T:C	0.474	
	rs3996329	C:T	0.182	
	rs4236279	G:A	0.039	
	rs4273749	T:C	0.044	
	rs4721321	A:G	0.268	
	rs4721428	A:G	0.329	
	rs4721505	G:A	0.300	
	rs4994763	T:C	0.384	
	rs6461108	A:G	0.091	

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	rs6461168	A:G	0.285	
	rs6461188	C:T	0.171	
	rs6944660	G:A	0.351	
	rs6948971	A:G	0.213	
	rs6952727	A:G	0.414	
	rs6954521	C:A	0.336	
	rs6954673	C:T	0.336	
	rs6967879	C:A	0.036	
	rs6972752	G:A	0.312	
	rs6978048	T:G	0.336	
	rs7783715	C:T	0.371	
	rs7788921	C:A	0.215	
	rs7799006	C:T	0.356	
	rs7805774	T:C	0.336	
	rs883444	A:G	0.054	
<i>MEN1</i>	rs2957154	A:G	0.252	Multiple endocrine neoplasia I;menin
	rs524386	T:C	0.089	
	rs669976	T:C	0.101	
	rs670358	G:A	0.105	
<i>MRE11A</i>	rs10765682	T:C	0.098	MRE11 meiotic recombination 11 homolog A (<i>S. cerevisiae</i>)
	rs10831228	G:A	0.111	
	rs12270338	C:A	0.216	
	rs1270146	T:C	0.443	
	rs12788248	A:G	0.013	
	rs13447720	A:G	0.227	
	rs2155209	T:C	0.340	
	rs2508678	C:T	0.364	
	rs529126	C:A	0.264	
	rs535801	C:T	0.305	
	rs598599	G:A	0.277	
	rs601391	C:T	0.341	
<i>MYC</i>	rs10505505	T:G	0.049	v-myc myelocytomatosis viral oncogene homolog (avian); MRTL
	rs12680047	T:C	0.374	
	rs4645943	C:T	0.039	
	rs4645956	C:T	0.095	
	rs4645959	A:G	0.036	
	rs7462301	G:A	0.031	
<i>NBN</i>	rs10464867	C:T	0.019	Nibrin; p95 protein of the MRE11/RAD50 complex
	rs10504885	C:A	0.032	
	rs1805801	G:T	0.354	
	rs1805812	T:C	0.084	
	rs1805855	A:G	0.029	
	rs2021881	C:T	0.328	
	rs2073635	G:A	0.321	
	rs2107465	C:T	0.292	
	rs2735385	C:A	0.325	

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	rs6470522	G:A	0.166	
	rs6985793	T:C	0.308	
	rs7013140	A:G	0.003	
	rs867185	G:A	0.355	
<i>NOLA1</i>	rs1002989	T:C	0.082	Nucleolar protein family A, member 1; NOLA1, GAR1
	rs4610335	A:C	0.136	
	rs7675460	C:A	0.375	
<i>NOLA2</i>	rs13189047	C:A	0.199	Nucleolar protein family A, member 2; NOLA2, NHP
	rs4976741	T:G	0.107	
	rs6873523	T:C	0.249	
<i>NOLA3</i>	rs10519924	A:G	0.440	Nucleolar protein family A, member 3; NOP10
	rs11631094	G:T	0.299	
	rs12595504	A:G	0.126	
	rs17236875	T:C	0.111	
	rs2279683	C:A	0.063	
	rs2279685	G:A	0.079	
	rs2279686	T:C	0.499	
	rs347797	A:G	0.458	
	rs347896	T:C	0.330	
	rs442873	T:C	0.056	
	rs6495662	A:G	0.168	
	rs7162607	G:A	0.448	
	rs8031404	C:A	0.126	
<i>PARP1</i>	rs1136410	T:C	0.159	Poly(ADP-ribose) polymerase-1
	rs12567614	C:T	0.421	
	rs1805410	A:G	0.156	
	rs1805411	C:A	0.159	
	rs1858549	C:T	0.336	
	rs2027440	T:C	0.160	
	rs2249844	A:G	0.331	
	rs2293464	C:T	0.167	
	rs3219090	G:A	0.328	
	rs3219110	A:G	0.463	
	rs6426551	G:A	0.253	
	rs747658	A:G	0.167	
	rs907186	C:T	0.251	
	rs9426513	A:G	0.157	
<i>PARP2</i>	rs1713419	T:C	0.442	Poly(ADP-ribose) polymerase-2; ADPRTL2
	rs1760921	A:G	0.037	
	rs1889363	C:T	0.358	
	rs2678681	G:A	0.077	
	rs3093872	C:T	0.052	
	rs3093921	A:G	0.022	
	rs3093926	G:A	0.069	
	rs3093927	G:A	0.005	
	rs3093930	C:T	0.324	
	rs3093933	G:T	0.244	

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	rs3093942	A:C	0.210	
	rs7153417	G:T	0.030	
	rs8009242	A:G	0.258	
<i>PIF1</i>	rs2414858	A:G	0.421	PIF1 5'-to-3' DNA helicase homolog (<i>S. cerevisiae</i>); C15orf20
	rs3743046	G:T	0.439	
	rs4777602	A:G	0.146	
	rs8036568	T:C	0.135	
	rs10089153	A:G	0.261	
	rs11250077	C:T	0.399	
	rs11779336	C:T	0.066	
	rs11783803	G:T	0.075	
	rs11998382	A:G	0.223	
	rs12681375	A:G	0.041	
	rs13270324	G:A	0.031	
	rs13270447	G:T	0.054	
	rs1469557	C:T	0.206	
	rs17152302	T:C	0.240	
	rs17152584	G:A	0.132	
	rs17774023	T:C	0.299	
	rs2292369	A:G	0.407	
	rs2409655	T:C	0.281	
	rs4840517	A:G	0.319	
<i>PINXI</i>	rs6601521	C:T	0.443	PIN2-interacting protein 1
	rs6601522	T:G	0.393	
	rs6601525	G:A	0.471	
	rs6601534	G:A	0.441	
	rs6984094	T:C	0.131	
	rs6989370	C:T	0.458	
	rs6989930	A:G	0.058	
	rs6990041	A:C	0.058	
	rs6992312	T:G	0.059	
	rs6992366	T:C	0.330	
	rs6993841	A:G	0.398	
	rs718742	A:C	0.285	
	rs752446	G:A	0.379	
	rs7826189	G:A	0.462	
	rs7840785	C:T	0.277	
	rs891560	T:C	0.128	
	rs9657541	C:T	0.207	
<i>POT1</i>	rs10228682	T:C	0.402	Protection of telomeres 1
	rs10250911	G:A	0.403	
	rs10271646	T:C	0.291	
	rs10272583	C:T	0.402	
	rs11767519	C:T	0.303	
	rs11770818	C:T	0.304	
	rs12538333	C:T	0.407	
	rs12666427	A:G	0.403	

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	rs12706625	A:C	0.304	
	rs1904975	A:G	0.403	
	rs4283967	C:T	0.400	
	rs4377885	T:C	0.403	
	rs4463363	G:A	0.403	
	rs6466955	C:T	0.397	
	rs6961292	G:A	0.401	
	rs6973812	C:T	0.403	
	rs727505	C:T	0.284	
	rs7784168	T:C	0.301	
	rs7787804	G:A	0.301	
	rs7794637	C:T	0.301	
	rs7801661	T:C	0.284	
	rs10106778	T:C	0.050	
	rs10109984	T:C	0.398	
	rs1894311	A:G	0.051	
	rs2213178	C:T	0.284	
	rs4521758	G:A	0.110	
	rs4873772	G:A	0.330	
<i>PRKDC</i>	rs7003908	A:C	0.352	Protein kinase, DNA-activated, catalytic polypeptide; XRCC7
	rs7830743	A:G	0.048	
	rs8178016	G:A	0.047	
	rs8178068	G:A	0.078	
	rs8178071	G:A	0.160	
	rs8178108	A:G	0.054	
	rs8178179	A:C	0.058	
	rs17772565	C:T	0.049	
	rs17772583	A:G	0.245	
	rs2069812	C:T	0.301	
	rs2237060	A:C	0.418	
<i>RAD50</i>	rs2240032	C:T	0.211	RAD50 homolog (<i>S. cerevisiae</i>)
	rs2244012	T:C	0.216	
	rs2897443	C:A	0.207	
	rs6871536	T:C	0.215	
	rs6884762	C:T	0.028	
	rs739719	G:T	0.070	
	rs10444471	G:T	0.029	
	rs10849083	G:T	0.115	
	rs10849087	C:T	0.219	
	rs2884670	G:A	0.328	
<i>RAD51AP1</i>	rs7298545	T:C	0.283	RAD51 associated protein 1
	rs7299185	T:G	0.262	
	rs7302664	C:T	0.104	
	rs740059	C:T	0.451	
	rs7965755	G:T	0.218	
	rs7973740	A:G	0.101	
<i>RAD51C</i>	rs12946522	T:G	0.190	RAD51 homolog C (<i>S. cerevisiae</i>)

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	rs304270	A:G	0.370	
	rs304271	G:A	0.340	
	rs304272	G:T	0.339	
	rs304283	C:T	0.340	
	rs9916423	T:C	0.062	
<i>RAD51L1</i>	rs10131303	G:A	0.061	RAD51-like 1 (<i>S. cerevisiae</i>)
	rs10132022	A:G	0.202	
	rs10132294	T:C	0.199	
	rs10133354	T:C	0.217	
	rs10134446	A:G	0.442	
	rs10136316	C:T	0.401	
	rs10146321	A:G	0.163	
	rs10146772	C:A	0.426	
	rs1023529	T:C	0.350	
	rs1033686	C:T	0.160	
	rs10483807	G:A	0.370	
	rs10483810	G:T	0.090	
	rs10483814	G:A	0.095	
	rs11158743	C:T	0.140	
	rs11158750	T:C	0.226	
	rs11158751	A:G	0.489	
	rs11621276	A:G	0.263	
	rs11623543	T:C	0.392	
	rs11626594	C:A	0.404	
	rs11626809	G:T	0.138	
	rs11628653	T:G	0.418	
	rs11849344	G:A	0.200	
	rs12100794	T:G	0.041	
	rs12587397	G:A	0.152	
	rs12589872	G:A	0.185	
	rs12878344	G:A	0.303	
	rs12886429	A:G	0.152	
	rs12889770	G:A	0.159	
	rs1290999	G:A	0.206	
	rs1314911	T:C	0.154	
	rs1314915	T:C	0.170	
	rs1314917	A:C	0.066	
	rs1541390	A:G	0.205	
	rs1570107	T:C	0.061	
	rs17104823	A:G	0.011	
	rs17104908	G:A	0.182	
	rs17105585	C:T	0.364	
	rs17105812	T:C	0.202	
	rs17105826	G:A	0.103	
	rs17105837	G:A	0.224	
	rs17105965	T:C	0.147	
	rs17192586	G:A	0.182	
	rs1744947	C:T	0.169	

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	rs1744949	C:T	0.170	
	rs17755115	G:A	0.079	
	rs17755657	T:G	0.263	
	rs17756404	A:G	0.309	
	rs17783214	C:T	0.116	
	rs17829192	T:C	0.109	
	rs181565	G:A	0.360	
	rs181575	T:C	0.374	
	rs1950764	C:T	0.176	
	rs1950769	G:T	0.392	
	rs1956529	A:G	0.372	
	rs1956533	G:A	0.456	
	rs1956534	T:C	0.363	
	rs1957572	T:C	0.080	
	rs1958112	T:C	0.182	
	rs2064827	T:G	0.217	
	rs2074562	G:A	0.333	
	rs2074565	T:G	0.375	
	rs2145157	T:C	0.387	
	rs2158358	T:C	0.272	
	rs2189517	G:A	0.440	
	rs2208397	C:A	0.291	
	rs2236184	G:A	0.309	
	rs2236185	T:C	0.479	
	rs2244814	A:G	0.311	
	rs2253168	C:T	0.405	
	rs2256224	A:G	0.266	
	rs2256608	G:A	0.201	
	rs2285883	G:A	0.205	
	rs2331648	G:A	0.152	
	rs2331704	A:G	0.196	
	rs2525503	G:A	0.476	
	rs2525504	A:G	0.244	
	rs2588807	G:A	0.173	
	rs2588814	T:C	0.167	
	rs2588815	C:T	0.170	
	rs2588821	T:C	0.180	
	rs2588832	A:C	0.194	
	rs2588833	G:T	0.181	
	rs2753404	A:C	0.322	
	rs2842320	T:C	0.195	
	rs2842329	A:C	0.270	
	rs2842331	A:C	0.232	
	rs2842337	G:A	0.005	
	rs2877461	C:A	0.482	
	rs372143	A:G	0.181	
	rs3784108	C:T	0.373	
	rs3784111	T:G	0.078	

Supp. Table S1. SNPs from 43 telomere biology gene regions

Gene	SNP	Alleles*	MAF	Gene name; aka
	rs3784115	G:A	0.482	
	rs3784116	T:C	0.263	
	rs3784121	C:T	0.235	
	rs3784122	T:C	0.126	
	rs3784131	T:G	0.132	
	rs4262880	G:A	0.102	
	rs431649	A:G	0.182	
	rs4362328	C:T	0.454	
	rs4899243	G:A	0.176	
	rs4899244	C:T	0.498	
	rs4899246	A:G	0.228	
	rs4902538	C:T	0.193	
	rs4902562	G:A	0.425	
	rs4902571	C:T	0.190	
	rs4902586	C:A	0.480	
	rs5028394	C:T	0.338	
	rs6573834	C:T	0.197	
	rs6573841	C:T	0.198	
	rs7141945	G:T	0.048	
	rs7149396	G:A	0.283	
	rs7150454	A:G	0.197	
	rs7150860	C:T	0.011	
	rs7151587	A:G	0.008	
	rs7152152	T:C	0.257	
	rs727392	T:C	0.076	
	rs729138	G:A	0.091	
	rs7359088	A:G	0.308	
	rs737387	G:A	0.469	
	rs757369	G:A	0.469	
	rs761944	A:C	0.179	
	rs765899	C:T	0.399	
	rs8006141	G:A	0.153	
	rs8008333	A:G	0.233	
	rs8009813	C:T	0.101	
	rs8009876	C:T	0.163	
	rs8009944	A:C	0.280	
	rs8012659	C:T	0.070	
	rs8014025	G:A	0.492	
	rs8019592	C:T	0.296	
	rs8020795	G:A	0.191	
	rs911263	A:G	0.296	
	rs916962	G:A	0.235	
	rs927220	A:C	0.278	
	rs927221	T:C	0.154	
	rs9323505	T:C	0.094	
	rs9323508	G:A	0.478	
	rs932554	A:G	0.216	
	rs963917	C:T	0.310	

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Gene	SNP	Alleles*	MAF	Gene name; aka
	rs963918	A:G	0.367	
	rs9989153	A:G	0.092	
	rs999737	C:T	0.226	
	rs17629188	G:A	0.151	
	rs1871892	C:T	0.322	
	rs3736143	C:T	0.471	
<i>RAD51L3</i>	rs3816754	G:T	0.052	RAD51-like 3 (<i>S. cerevisiae</i>)
	rs4796033	C:T	0.141	
	rs8075760	C:T	0.459	
	rs8077720	G:A	0.321	
	rs936656	A:G	0.483	
	rs11211262	C:T	0.374	
	rs12141269	C:T	0.147	
	rs12142240	T:C	0.297	
	rs12410307	G:A	0.101	
<i>RAD54L</i>	rs17102086	T:C	0.180	RAD54-like (<i>S. cerevisiae</i>): RAD54A
	rs17102087	C:T	0.111	
	rs4660918	T:C	0.236	
	rs6692775	G:T	0.233	
	rs9793263	G:A	0.407	
<i>RECQL</i>	rs1029931	T:C	0.266	RecQ protein-like (DNA helicase Q1-like); RECQL1
	rs10492116	C:T	0.051	
	rs10492117	A:G	0.473	
	rs1061627	T:C	0.211	
	rs10841830	A:G	0.047	
	rs10841832	G:A	0.486	
	rs10841839	A:G	0.244	
	rs11046084	T:C	0.280	
	rs11046094	C:A	0.167	
	rs12312710	G:A	0.224	
	rs12424924	G:A	0.233	
	rs12582514	C:T	0.483	
	rs17684048	C:T	0.043	
	rs2159944	T:C	0.266	
	rs2192170	C:T	0.081	
	rs2284392	G:A	0.422	
	rs2284394	A:G	0.310	
	rs2300211	C:A	0.458	
	rs3213213	T:C	0.161	
	rs3752648	T:C	0.486	
	rs3782660	T:C	0.493	
	rs4762834	C:T	0.262	
	rs4762836	C:T	0.070	
	rs6487233	T:C	0.445	
	rs7307064	A:C	0.135	
	rs7976409	G:A	0.135	

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Gene	SNP	Alleles*	MAF	Gene name; aka
	rs997820	A:C	0.401	
<i>RECQL4</i>	rs1063739	C:A	0.478	RecQ protein-like 4
	rs3757966	C:T	0.476	
<i>RECQL5</i>	rs1093992	G:A	0.325	RecQ protein-like 5
	rs820152	T:C	0.377	
	rs820196	T:C	0.221	
	rs820206	G:A	0.338	
<i>RTEL1</i>	rs1291211	G:A	0.076	Regulator of Telomere elongation helicase 1
	rs2297437	G:A	0.191	
	rs2297440	C:T	0.228	
	rs4809324	T:C	0.107	
	rs6010620	G:A	0.231	
	rs6011002	A:G	0.083	
	rs879471	T:C	0.435	
	rs914561	C:T	0.019	
<i>SIP1</i>	rs12587208	G:A	0.114	Survival of motor neuron protein interacting protein 1; GEMIN2
	rs6571897	A:G	0.134	
	rs9322993	C:T	0.065	
<i>TEP1</i>	rs1713419	T:C	0.442	Telomerase protein component 1
	rs1713423	C:T	0.477	
	rs1713434	T:C	0.448	
	rs1713456	C:T	0.190	
	rs1760889	C:A	0.118	
	rs1760893	T:G	0.118	
	rs1760897	T:C	0.315	
	rs1760898	C:A	0.223	
	rs1760904	T:C	0.473	
	rs1760907	A:G	0.223	
	rs1760909	G:A	0.212	
	rs2104977	C:T	0.157	
	rs2184282	A:G	0.121	
	rs2275009	C:T	0.101	
	rs2678681	G:A	0.077	
	rs2945461	A:G	0.067	
	rs3093942	A:C	0.210	
	rs3762146	A:G	0.197	
	rs4982038	G:A	0.361	
	rs872072	G:A	0.441	
rs945012	G:A	0.449		
<i>TERC</i>	rs10936599	C:T	0.247	Telomerase RNA component
<i>TERF1</i>	rs10088657	G:A	0.166	Telomeric repeat binding factor (NIMA-interacting) 1; TRF1
	rs10095169	T:C	0.321	
	rs10099824	G:A	0.447	
	rs11993041	C:T	0.450	
	rs17209700	G:A	0.125	
	rs2010441	G:A	0.284	
	rs2929580	G:A	0.309	

Supp. Table S1. SNPs from 43 telomere biology gene regions

Gene	SNP	Alleles*	MAF	Gene name; aka
	rs2975842	G:A	0.435	
	rs3102095	T:G	0.304	
	rs3863242	G:A	0.446	
	rs6472716	A:G	0.462	
	rs6472718	C:T	0.147	
	rs6982126	C:T	0.251	
	rs6994351	A:G	0.384	
	rs16958777	C:T	0.062	
	rs251796	A:G	0.295	
<i>TERF2</i>	rs3785073	G:A	0.274	Telomeric repeat binding factor 2
	rs3785074	A:G	0.275	
	rs7187579	C:T	0.180	
	rs7191614	A:G	0.279	
	rs3784929	T:C	0.116	
<i>TERF2IP</i>	rs4888444	A:G	0.043	Telomeric repeat binding factor 2, interacting protein; hRAP1
	rs7195089	A:G	0.045	
	rs8053257	G:A	0.063	
	rs2736100	G:T	0.493	
	rs2736122	C:T	0.257	
	rs2853668	C:A	0.254	
<i>TERT</i>	rs2853676	G:A	0.264	Telomerase
	rs4073918	A:G	0.240	
	rs4075202	C:A	0.064	
	rs4635969	C:T	0.203	
	rs4975605	C:A	0.469	
<i>TERT</i> Additional [†]	rs10060236	G:A	0.227	
	rs10060827	G:T	0.307	
	rs11747247	G:T	0.107	
	rs12516758	T:C	0.205	
	rs13159461	G:A	0.445	
	rs16877324	T:C	0.004	
	rs1973489	C:T	0.253	
	rs246994	C:T	0.277	
	rs27061	G:A	0.422	
	rs27074	G:A	0.086	
	rs2963259	C:T	0.195	
	rs2963265	G:A	0.442	
	rs3922757	T:C	0.196	
	rs4246736	C:T	0.379	
	rs4326188	G:A	0.217	
	rs4640842	C:T	0.120	
	rs4975536	T:C	0.303	
	rs4975542	G:A	0.061	
	rs4975596	A:G	0.281	
	rs4975603	C:A	0.114	
	rs4975625	C:T	0.420	

Supp. Table S1. SNPs from 43 telomere biology gene regions

Gene	SNP	Alleles*	MAF	Gene name; aka
	rs4975636	C:T	0.088	
	rs6554660	G:A	0.354	
	rs6554667	A:G	0.045	
	rs7445640	T:G	0.389	
	rs7702150	G:A	0.196	
	rs7719363	A:G	0.157	
	rs7726442	T:C	0.343	
	rs7727745	C:A	0.150	
	rs2748516	C:T	0.055	
<i>TINF2</i>	rs2748531	C:T	0.140	TERF1 (TRF1)-interacting nuclear factor 2; TIN2
	rs2855006	C:A	0.197	
	rs3814815	C:A	0.053	
	rs7158744	T:C	0.347	
	rs10093972	T:C	0.073	
	rs10101132	C:A	0.298	
	rs10111980	C:T	0.235	
	rs10903314	C:T	0.247	
	rs11249943	A:C	0.192	
	rs11984920	C:T	0.067	
	rs11991621	C:T	0.177	
	rs11994018	T:C	0.120	
	rs12155819	G:A	0.366	
	rs12545912	T:G	0.247	
	rs12549064	A:C	0.177	
	rs12679892	A:G	0.297	
	rs13273033	A:G	0.243	
	rs17150237	C:T	0.231	
	rs17150478	A:G	0.188	
<i>TNKS</i>	rs4319098	A:G	0.074	Tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase; TANK1, PARP5A
	rs4840437	A:G	0.372	
	rs4841171	A:G	0.112	
	rs4841215	C:T	0.064	
	rs6601327	A:G	0.382	
	rs6601328	A:G	0.112	
	rs6601333	A:G	0.236	
	rs6984737	A:G	0.066	
	rs6985140	A:G	0.082	
	rs6986386	C:T	0.235	
	rs6986755	G:A	0.066	
	rs6989782	C:T	0.293	
	rs6990116	T:C	0.066	
	rs6990300	A:G	0.320	
rs6994574	A:G	0.366		
rs9644677	A:G	0.278		
rs9644704	G:A	0.366		
rs9644708	T:C	0.209		
<i>TNKS2</i>	rs10881985	T:C	0.306	TRF1-interacting ankyrin-related

Supp. Table S1. SNPs from 43 telomere biology gene regions

Gene	SNP	Alleles*	MAF	Gene name; aka
	rs12411706	G:A	0.177	ADP-ribose polymerase 2; TANK2, PARP5B
	rs1538833	C:T	0.084	
	rs1539041	G:T	0.309	
	rs2066275	A:G	0.306	
	rs2258946	C:T	0.148	
	rs3802650	T:C	0.483	
	rs6583787	T:C	0.423	
	rs7072165	T:C	0.094	
	rs10954778	A:G	0.296	<i>WRN</i> Werner syndrome, RecQ helicase-like; RECQL2
	rs11574245	T:C	0.096	
	rs11574304	C:T	0.078	
	rs13251813	C:T	0.038	
	rs13269094	T:G	0.152	
	rs13278931	G:T	0.466	
	rs1346044	T:C	0.273	
	rs1800391	G:A	0.083	
	rs1800392	G:T	0.449	
	rs2015230	A:G	0.347	
	rs2019726	A:G	0.190	
	rs2037962	T:C	0.063	
	rs2247296	T:G	0.017	
	rs2553256	A:G	0.366	
	rs2725344	A:G	0.069	
	rs2725361	A:G	0.363	
	rs2725385	G:A	0.296	
	rs2737342	A:G	0.266	
	rs3024239	C:T	0.496	
	rs3087409	C:A	0.063	
	rs4398867	G:A	0.107	
	rs4733220	G:A	0.422	
	rs4987034	A:G	0.189	
	rs4987236	G:A	0.063	
	rs6982140	T:C	0.063	
	rs6994361	T:C	0.365	
	rs919002	T:C	0.383	
	rs132765	G:A	0.185	
	rs132793	G:A	0.184	
	rs17002523	C:T	0.007	

* major allele:minor allele

MAF = minor allele frequency

aka = also known as

† SNPs in an extended region around *TERT* and *CLPTMIL*