

Table S3. Genomic sequence variations at region from 107977150 to 107976780 in chromosome 7 in which G10 RNA was aligned.

Variations in the sequence region was downloaded from LAMB1 gene in Homo sapiens chromosome 7, GRCh38.p14 Primary Assembly (Gene ID: 3912, updated on 12-Aug-2022)

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##track_name="Live RefSNPs, dbSNP b155 v2"

##sequence_region="NC_000007.14 107976780 107977150"

>NC_000007.14:c107977150-107976780 Homo sapiens chromosome 7, GRCh38.p14 Primary Assembly

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sense strand TGCTCCTTCCTTCCTTTCTCTCTCTCCTTCCTTCCTTTCTCTCCTTCCTTCCTTTCTCTCCCTCCTTCCTTTCTCTCCTTCCTTCCTTTCTCTCTCTCCTTCCTT
CCTTTCTCTCCCTCCTTCCTTCCTTTCTCTCCCTCCTTCCTTCCTTTCTCTCTCTCCTTCCTTTCTCCCTTCCCTTCCTCCCTCCCTTCCTTCTCCATGTTAAGTATCC
ATCA
TGATGGATACTTAACATGGAGAAGGAAGGGAGGGAGGGAGGAAGGGAGGGAGAAAGGAAGGAAGGAGAGAGAGAAAGGAAGGAAGGAGGGAGAGAAAGGAAGGAAGGAGGG
antisense strand AGAGGAAAGGAAGGAAGGAGAGAGAGAAAGGAAGGAAGGAGGAAGAGGAAAGGAAGGAAGGAGGGAGAGAAAGGAAGGAAGGAGGGAGAGAAAGGAAGGAAGGAGAGAGAGGA
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##INFO=<ID=Source,Number=1,Type=String,Description="Variation source">

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| NC_000007.14 | 107976795 | rs1193034604 T | G | RS=rs1193034604;Source=dbsnp |
| NC_000007.14 | 107976796 | rs1424802563 C | T | RS=rs1424802563;Source=dbsnp |
| NC_000007.14 | 107976797 | rs1258700924 C | A | RS=rs1258700924;Source=dbsnp |
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| NC_000007.14 | 107976804 | rs2033865505 T | A | RS=rs2033865505;Source=dbsnp |
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| NC_000007.14 | 107976806 | rs1369568055 T | C | RS=rs1369568055;Source=dbsnp |
| NC_000007.14 | 107976811 | rs2033865680 T | C | RS=rs2033865680;Source=dbsnp |
| NC_000007.14 | 107976813 | rs1258229208 CTCTCT | CTCT | RS=rs1258229208;Source=dbsnp |
| NC_000007.14 | 107976815 | rs1200018769 C | T | RS=rs1200018769;Source=dbsnp |
| NC_000007.14 | 107976816 | rs1315476360 TCTTTTCTTTTCTTT | TCTTT | RS=rs1315476360;Source=dbsnp |
| NC_000007.14 | 107976818 | rs1035992660 TTTT | TT | RS=rs1035992660;Source=dbsnp |
| NC_000007.14 | 107976818 | rs2033866028 T | TCTC | RS=rs2033866028;Source=dbsnp |
| NC_000007.14 | 107976818 | rs1245386197 T | C | RS=rs1245386197;Source=dbsnp |
| NC_000007.14 | 107976819 | rs1323354528 T | C | RS=rs1323354528;Source=dbsnp |
| NC_000007.14 | 107976820 | rs1310295228 T | C | RS=rs1310295228;Source=dbsnp |
| NC_000007.14 | 107976822 | rs1451567481 C | A | RS=rs1451567481;Source=dbsnp |
| NC_000007.14 | 107976823 | rs1562999951 C | A,T | RS=rs1562999951;Source=dbsnp |
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| NC_000007.14 | 107976827 | rs1382310936 T | C | RS=rs1382310936;Source=dbsnp |
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| NC_000007.14 | 107976828 | rs796935337 CTTTCCTCTCTCCTTCCTTCCTTTCTCTCC TTCCTTCCTT | CTTTCCTCTCTCCTTCCTTCCTTTCTCTCC TTCTTCCTTTCTCTCTCTCCTTCCTTCCTTT CCTTCCTTCCTTCCTT | RS=rs796935337;Source=dbsnp |
| NC_000007.14 | 107976828 | rs2033866355 C | A | RS=rs2033866355;Source=dbsnp |
| NC_000007.14 | 107976829 | rs2033866506 T | G | RS=rs2033866506;Source=dbsnp |
| NC_000007.14 | 107976831 | rs2033866557 T | C | RS=rs2033866557;Source=dbsnp |
| NC_000007.14 | 107976832 | rs2033866597 CC | CCC,CCCC | RS=rs2033866597;Source=dbsnp |
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| NC_000007.14 | 107976834 | rs2033866716 T | C | RS=rs2033866716;Source=dbsnp |
| NC_000007.14 | 107976835 | rs2033866761 C | T | RS=rs2033866761;Source=dbsnp |
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| NC_000007.14 | 107976838 | rs116372349 T | TT C | RS=rs116372349;Source=dbsnp |
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| NC_000007.14 | 107976839 | rs796141882 CTCCTTCCTTCCTTTCTCTCCTTCCTTCCTT | CTCCTTCCTTCCTTTCTCTCCTTCCTTCCTTT CCTTCCTTCCTTCCTTTCTCTCCTTCCTTC | RS=rs796141882;Source=dbsnp |
| NC_000007.14 | 107976839 | rs2033866950 C | T | RS=rs2033866950;Source=dbsnp |
| NC_000007.14 | 107976840 | rs1346045767 TCCTTCCTTCCTTTCTCTCCTTCCTTCCTTC TTTCCTCT | TCCTTCCTTCCTTTCTCTCCTTCCTTCCTTC TTTCCTCT | RS=rs1346045767;Source=dbsnp |
| NC_000007.14 | 107976840 | rs2033867107 TCCTTCCTTCCTT | TCCTTCCTT | RS=rs2033867107;Source=dbsnp |
| NC_000007.14 | 107976842 | rs2033867222 C | A | RS=rs2033867222;Source=dbsnp |
| NC_000007.14 | 107976844 | rs1232495293 T | A,C | RS=rs1232495293;Source=dbsnp |
| NC_000007.14 | 107976852 | rs2033867355 TTCTCTCCTTCCT | TTCTC | RS=rs2033867355;Source=dbsnp |
| NC_000007.14 | 107976853 | rs2033867394 TCCTCTCCT | TCCT | RS=rs2033867394;Source=dbsnp |
| NC_000007.14 | 107976854 | rs1370649597 CCTCTCCTTCCTTC | C | RS=rs1370649597;Source=dbsnp |

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| NC_000007.14 | 107976855 | rs1562999981 | CTCTCCTTCCTTCCTTTCTCTTGCTCCT TCCTTCCTTTCTCTTGCTCCTTCCTTCCTTC CTCTCTCCTTCCTTCCTT | CTCTCCTTCCTTCCTT | RS=rs1562999981;Source=dbsnp |
| NC_000007.14 | 107976855 | rs1163127859 | CTCTC CTCCTTCCTTCCTTCCTTTCTCTTGCTCCTTC CTTCCTTTCTCTTGCTCCTTCCTTCCTTTCT CTCTCTCCTTCCTTCCTTTCTCTCCCTCCTTC CTTCCTTTCTCTCCCTCCTTCCTTCCTTTCT CTTCCTTCCTTCCTTTCTCTCTCTCCTTC CTTCCTTTCTCTCCCTCCTTCCTTCCTT | CTC | RS=rs1163127859;Source=dbsnp |
| NC_000007.14 | 107976857 | rs2033867895 | CTCTCCTTCCTTCCTTTCTCTTGCTCCTTC CTTCCTTTCTCTTGCTCCTTCCTTCCTTTCT CTCTCTCCTTCCTTCCTTTCTCTCCCTCCTTC CTTCCTTTCTCTCCCTCCTTCCTTCCTTTCT CTTCCTTCCTTCCTTTCTCTCTCTCCTTC CTTCCTTTCTCTCCCTCCTTCCTTCCTT | CTCCTTCCTTCCTT | RS=rs2033867895;Source=dbsnp |
| NC_000007.14 | 107976857 | rs1563000004 | CTTCCTTTCTCTTGCTCCTTCCTTCCTTTCT CTCTCTCCTTCCTTCCTTTCTCTCCCTCCTTC CTTCCTTTCTCTCCCTCCTTCCTTCCTT | CTCCTTCCTTCCTT | RS=rs1563000004;Source=dbsnp |
| NC_000007.14 | 107976857 | rs1563000000 | CTTCCTTTCTCTTGCTCCTTCCTTCCTTTCT CTCTCTCCTTCCTTCCTTTCTCTCCCTCCTTC CTTCCTTTCTCTCCCTCCTTCCTTCCTT | CTCCTTCCTTCCTT | RS=rs1563000000;Source=dbsnp |
| NC_000007.14 | 107976857 | rs1562999997 | CTCCTTCCTTCCTTCCTTTCTCTTGCTCCTTC CTTCCTTTCTCTTGCTCCTTCCTTCCTT | CTCCTTCCTTCCTT | RS=rs1562999997;Source=dbsnp |
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| NC_000007.14 | 107976858 | rs200619058 | TCCTTCCTTCCTTCCTT | TCCTTCCTT,TCCTTCCTTCCTT,TCCTTCCTTCC TTCTTCCTT | RS=rs200619058;Source=dbsnp |
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| NC_000007.14 | 107976859 | rs2033868173 | C | CT | RS=rs2033868173;Source=dbsnp |
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| NC_000007.14 | 107976861 | rs2033868486 | CTTCCTTCCTTCCTTTCTCTTGCTCCTTCCTT CCTTTCTCTTGCTCCTTCCTTCCTTTCTCTC TCTCCTTCCTTCCTTTCTCTCCCTCCTTCCTT CCTTTCTCTCCCTCCTTCCTTCCTTTCTCTT CCTCCTTCCTTCCTTTCTCTCT | C | RS=rs2033868486;Source=dbsnp |
| NC_000007.14 | 107976861 | rs2033868435 | CCTTTCTCTTGCTCCTTCCTTCCTTTCTCTC T | C | RS=rs2033868435;Source=dbsnp |
| NC_000007.14 | 107976861 | rs2033868387 | CTTCCTTCCTTCCTTTCTCTTGCTCCTTCCTT CCTTTCTCTTG | C | RS=rs2033868387;Source=dbsnp |
| NC_000007.14 | 107976861 | rs2033868337 | CTTCCTTCCTTCCTTTCTCTTG | C | RS=rs2033868337;Source=dbsnp |
| NC_000007.14 | 107976861 | rs1263532744 | T | A,C | RS=rs1263532744;Source=dbsnp |
| NC_000007.14 | 107976862 | rs2033868810 | TCCTTCCTTCCTTTCTCTTGCTCCTTCCTTCC TTTCTCTTGCTCCTTCCTTCCTTTCTCTCTC TCCTTCCTTCCTTTCTCTCCCTCCTTCCTTCC TTTCTCTCCCTCCTTCCTTTCTCTTCTTCC TCCTTCCTTCCTTTCTCTCTCCTTCCTTCC TTTCTCT | TCCTTCCTTCCTTTCTCT | RS=rs2033868810;Source=dbsnp |
| NC_000007.14 | 107976862 | rs2033868754 | TCCTTCCTTCCTTTCTCTTGCTCCTTCCTTCC TTTCTCTTGCTCCTTCCTTTCTCTCTCTC TCCTTCCTTCCTTTCTCTCCCTCCTTCCTTCC TTTCTCT | TCCTTCCTTCCTTTCTCT | RS=rs2033868754;Source=dbsnp |
| NC_000007.14 | 107976862 | rs1563000026 | TTTCTCTTGCTCCTTCCTTCCTTTCTCTCTC TCCTTCCTTCCTTTCTCT | TCCTTCCTTCCTTTCTCT | RS=rs1563000026;Source=dbsnp |
| NC_000007.14 | 107976862 | rs1563000018 | TCCTTCCTTCCTTTCTCTTGCTCCTTCCTTCC TTTCTCTTGCTCCTTCCTTCCTTTCTCTCT TTTCTCTTTCTCTTGCTCCTTCCTTCCTTT CCTTTGCTCCTTCCTTTCTCT | TCCTTCCTTCCTTTCTCTTGCTCCTTCCTTCC TTTCTCT,TCCTTCCTTCCTTTCTCTTGCTCC TTTCTTCCTTTCTCTTGCTCCTTCCTTCCTTT CCTTTGCTCCTTCCTTTCTCT | RS=rs1563000018;Source=dbsnp |
| NC_000007.14 | 107976862 | rs1554410192 | TCCTTCCTT | TCCTTCCTTTCTCTCCCTCCTTCCTT,TCCTTC CTTTCTCTCCCTCCTTCCTTTCTCTCTCC CTCCTTCCTT,TCCTTCCTTTCTCTCCTTC CTT | RS=rs1554410192;Source=dbsnp |
| NC_000007.14 | 107976863 | rs2033868856 | TCC | T | RS=rs2033868856;Source=dbsnp |
| NC_000007.14 | 107976864 | rs2033868906 | C | G | RS=rs2033868906;Source=dbsnp |
| NC_000007.14 | 107976866 | rs1245009649 | TCCTTCCT | T | RS=rs1245009649;Source=dbsnp |
| NC_000007.14 | 107976866 | rs2033868971 | TCCT | T | RS=rs2033868971;Source=dbsnp |
| NC_000007.14 | 107976867 | rs2033869103 | TCC | T | RS=rs2033869103;Source=dbsnp |
| NC_000007.14 | 107976867 | rs2033869055 | CC | C | RS=rs2033869055;Source=dbsnp |
| NC_000007.14 | 107976868 | rs1354087520 | CTTCCTTTCC | C | RS=rs1354087520;Source=dbsnp |
| NC_000007.14 | 107976869 | rs1242584180 | TTCTTCCT | TTCT | RS=rs1242584180;Source=dbsnp |
| NC_000007.14 | 107976869 | rs1334120593 | T | TC | RS=rs1334120593;Source=dbsnp |
| NC_000007.14 | 107976869 | rs573665348 | TT | TTT | RS=rs573665348;Source=dbsnp |
| NC_000007.14 | 107976870 | rs2033869460 | TCCTTTCTCTTGCTCCTTCCTTCCTTTCTCT TGCTCCTTCCTTCCTTTCTCTCTCCTTCCT TCCT | T | RS=rs2033869460;Source=dbsnp |

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| NC_000007.14 | 107976871 | rs71134298 | CC | CCC | RS=rs71134298;Source=dbsnp |
| NC_000007.14 | 107976871 | rs200947870 | C | T | RS=rs200947870;Source=dbsnp |
| NC_000007.14 | 107976872 | rs1393557364 | CTTTC | C | RS=rs1393557364;Source=dbsnp |
| NC_000007.14 | 107976872 | rs1301785430 | C | T | RS=rs1301785430;Source=dbsnp |
| NC_000007.14 | 107976873 | rs1424483961 | CTTTCCTTTG | C | RS=rs1424483961;Source=dbsnp |
| NC_000007.14 | 107976873 | rs1170193219 | T | A,C | RS=rs1170193219;Source=dbsnp |
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| NC_000007.14 | 107976874 | rs1369041438 | T | C | RS=rs1369041438;Source=dbsnp |
| NC_000007.14 | 107976875 | rs2033869953 | TTCTCTTGCTCCTTCCTTTCTTCCTTTGCT CCTTCCTC | T | RS=rs2033869953;Source=dbsnp |
| NC_000007.14 | 107976878 | rs1381280311 | CTCTTG | C | RS=rs1381280311;Source=dbsnp |
| NC_000007.14 | 107976879 | rs1482229543 | CTTGCT | CT | RS=rs1482229543;Source=dbsnp |
| NC_000007.14 | 107976879 | rs1563000050 | TCTTGC | T | RS=rs1563000050;Source=dbsnp |
| NC_000007.14 | 107976881 | rs2033870291 | TGCT | T | RS=rs2033870291;Source=dbsnp |
| NC_000007.14 | 107976881 | rs1563000058 | TTG | T | RS=rs1563000058;Source=dbsnp |
| NC_000007.14 | 107976881 | rs12705425 | T | C | RS=rs12705425;Source=dbsnp |
| NC_000007.14 | 107976882 | rs2033870479 | TGCTCCTTCCTTTCTTCCTTTGCTCCTTCCT TCCTTTCTCTCTCCTTCCTTCCTTTCTCT C | T | RS=rs2033870479;Source=dbsnp |
| NC_000007.14 | 107976882 | rs1563000061 | TG | T | RS=rs1563000061;Source=dbsnp |
| NC_000007.14 | 107976882 | rs12705426 | G | A,C,T | RS=rs12705426;Source=dbsnp |
| NC_000007.14 | 107976883 | rs2033870598 | C | CCT | RS=rs2033870598;Source=dbsnp |
| NC_000007.14 | 107976883 | rs1198953602 | C | A,T | RS=rs1198953602;Source=dbsnp |
| NC_000007.14 | 107976884 | rs1269738539 | CTCCTTCCTTCCTTTCTTCCTTTGCTCCTTCCTTC CTTTCTCTCT | C | RS=rs1269738539;Source=dbsnp |
| NC_000007.14 | 107976884 | rs1265207700 | TCCTTCCTTCCTT | TCCTTCCTT | RS=rs1265207700;Source=dbsnp |
| NC_000007.14 | 107976884 | rs2033870642 | T | C | RS=rs2033870642;Source=dbsnp |
| NC_000007.14 | 107976886 | rs1221619597 | C | T | RS=rs1221619597;Source=dbsnp |
| NC_000007.14 | 107976887 | rs2033870975 | CTTCCTTCCTTTCTTCCTTTGCTCCTTCCTTCCTT TCCTCTCT | C | RS=rs2033870975;Source=dbsnp |
| NC_000007.14 | 107976887 | rs2033870922 | CTTCCTTCCTTTCTTCCTT | C | RS=rs2033870922;Source=dbsnp |
| NC_000007.14 | 107976887 | rs146118265 | T | A,C,G | RS=rs146118265;Source=dbsnp |
| NC_000007.14 | 107976891 | rs2033871024 | TTCCTTTCT | TTCCT | RS=rs2033871024;Source=dbsnp |
| NC_000007.14 | 107976893 | rs1348820194 | C | T | RS=rs1348820194;Source=dbsnp |
| NC_000007.14 | 107976894 | rs2033871118 | CTTTC | C | RS=rs2033871118;Source=dbsnp |
| NC_000007.14 | 107976896 | rs1279145937 | T | C | RS=rs1279145937;Source=dbsnp |
| NC_000007.14 | 107976897 | rs2033871224 | T | C | RS=rs2033871224;Source=dbsnp |
| NC_000007.14 | 107976900 | rs2033871321 | CTCTTG | C | RS=rs2033871321;Source=dbsnp |
| NC_000007.14 | 107976900 | rs2033871280 | T | A | RS=rs2033871280;Source=dbsnp |
| NC_000007.14 | 107976901 | rs2033871373 | CTTGCT | CT | RS=rs2033871373;Source=dbsnp |
| NC_000007.14 | 107976903 | rs2033871564 | TGCT | T | RS=rs2033871564;Source=dbsnp |
| NC_000007.14 | 107976903 | rs1234085246 | TTG | T | RS=rs1234085246;Source=dbsnp |
| NC_000007.14 | 107976903 | rs12705427 | T | A,C | RS=rs12705427;Source=dbsnp |
| NC_000007.14 | 107976904 | rs12705428 | G | A,C,T | RS=rs12705428;Source=dbsnp |
| NC_000007.14 | 107976905 | rs2033871845 | CTCCTTCCTTCCTTTCTCTCTCCTTCCTTC CTTTCTCTCCCTCCTTCCTTTCTCTCC CTCCTTCCTTCCTTTCTCTCCCTTCCTTC CTTTCTCTCTCTCCTTCCTTTCTCTCC CTCCTTCCTTCCTTTCTCTCCCTTCCTTC CTTTCTCT | CTCCTTCCTTCCTTTCTCTCTCCTTCCTTC CTTTCTCTCCCTCCTTCCTTTCTCTCC CTCCTTCCTTCCTTTCTCTCCCTTCCTTC CTTTCTCTCT | RS=rs2033871845;Source=dbsnp |
| NC_000007.14 | 107976905 | rs2033871778 | CTTTCTCTCCCTCCTTCCTTTCTCTCC CTCCTTCCTTCCTTTCTCT | CTCCTTCCTTCCTTTCTCT | RS=rs2033871778;Source=dbsnp |
| NC_000007.14 | 107976905 | rs1554410224 | C | CCTTCCTTCCTTTGCTCCTTCCTTCCTTTCTTC CTC | RS=rs1554410224;Source=dbsnp |
| NC_000007.14 | 107976906 | rs1399252403 | T | C | RS=rs1399252403;Source=dbsnp |
| NC_000007.14 | 107976906 | rs2033871938 | T | TT | RS=rs2033871938;Source=dbsnp |
| NC_000007.14 | 107976908 | rs2033871985 | CTTC | CTTCTTC | RS=rs2033871985;Source=dbsnp |
| NC_000007.14 | 107976915 | rs1255193256 | C | T | RS=rs1255193256;Source=dbsnp |
| NC_000007.14 | 107976918 | rs2033872078 | TTCT | T | RS=rs2033872078;Source=dbsnp |
| NC_000007.14 | 107976921 | rs373553620 | CTCTCTCTC | CTCTC,CTCTCTC | RS=rs373553620;Source=dbsnp |
| NC_000007.14 | 107976921 | rs2033872139 | C | T | RS=rs2033872139;Source=dbsnp |
| NC_000007.14 | 107976924 | rs2033872359 | TCTCTCCTTC | TC | RS=rs2033872359;Source=dbsnp |
| NC_000007.14 | 107976924 | rs1278022076 | T | TTCTCTCCTTCCTTTCTCTCTCCTTCCT TCCTTC | RS=rs1278022076;Source=dbsnp |
| NC_000007.14 | 107976924 | rs1478751142 | T | C | RS=rs1478751142;Source=dbsnp |
| NC_000007.14 | 107976924 | rs34858020 | T | TT | RS=rs34858020;Source=dbsnp |
| NC_000007.14 | 107976925 | rs2033872682 | CTCTCCTTCCTTTCTCTCCTTCCTTCCT TCCTTTCTCTCCCTCCTTCCTTTCTCT | CTCTCCTTCCTTTCTCTCCTTCCTTCCT TCCTTTCTCTCCCTCCTTCCTTTCTCT CCCTCCTTCCTTTCTCTCCTTCCTTCCT TTCTCTCCCTCCTTCCTTTCTCTCCTTCCT CCTTCCTTCCTTTCTCT | RS=rs2033872682;Source=dbsnp |
| NC_000007.14 | 107976925 | rs2033872636 | TCTC | T | RS=rs2033872636;Source=dbsnp |
| NC_000007.14 | 107976925 | rs71528127 | CT | TG | RS=rs71528127;Source=dbsnp |
| NC_000007.14 | 107976925 | rs1563000104 | C | CC,CCC | RS=rs1563000104;Source=dbsnp |
| NC_000007.14 | 107976925 | rs13228658 | C | T | RS=rs13228658;Source=dbsnp |
| NC_000007.14 | 107976926 | rs2033872878 | CTCT | C | RS=rs2033872878;Source=dbsnp |

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| NC_000007.14 | 107976926 | rs1484751819 | T | TTCTTCCTTTCTCTCCCTCCTTCCTTCCTTT CCTCTCC | RS=rs1484751819;Source=dbsnp |
| NC_000007.14 | 107976926 | rs371463138 | CT | C | RS=rs371463138;Source=dbsnp |
| NC_000007.14 | 107976926 | rs13243022 | T | C,G | RS=rs13243022;Source=dbsnp |
| NC_000007.14 | 107976927 | rs2033873314 | CTTCCTCTCCCTCCTTCCTTCCTTTCTCTTC CTCCTTCCTTCCTTCCTCTC | CTCCTTCCTTCCTTCCTCTC | RS=rs2033873314;Source=dbsnp |
| NC_000007.14 | 107976927 | rs1563000135 | CTCCTTCCTTCCTTTCTCTCCCTCCTTCCTTC CTTTCTCTCCCTCCTTCCTTCCTTTCTCT | CTCCTTCCTTCCTTCCTTCCTTCCTTC CTTTCTCT,CTCCTTCCTTCCTTCCTTCCTTCCT CCTTCCTTCCTTCCTTCCTTCCTTCCTTCCT TTCTCTCCCTCCTTCCTTCCTTCCTCT,CTCC TTCTTCCTTCCTTCCTTCCTTCCTTCCTTCCTTT CCTTCCTTCCTTCCTTCCTTCCTTCCTTCCTTC TTCTTCCTTCCTTCCTTCCTTCCTTCCTTCCTTT CCTTCCTTCCTTCCTTCCTTCCTTCCTTCCTTC CCTTCCTTCCTTCCTTCCTTCCTTCCTTCCTTC TCTCGCTTCCTTCCTTCCTTCCTTCCTTCCTTC CCTTCCTTCCTTCCTTCCTTCCTTCCTTCCTTC TCT | RS=rs1563000135;Source=dbsnp |
| NC_000007.14 | 107976927 | rs1563000132 | CTCCTTCCTTCCTTTCTCTCCCTCCTTCCTTC CTTTCTCTC | CTCCTTCCTTCCTTCCTTCCTTCCTTC CTTTCTCTCGCTTCCTTCCTTCCTTCCTTCCTTC CTCCTTCCTTCCTTCCTTCCTTCCTTCCTTCCTTC | RS=rs1563000132;Source=dbsnp |
| NC_000007.14 | 107976927 | rs2033873105 | CTCCT | CT | RS=rs2033873105;Source=dbsnp |
| NC_000007.14 | 107976927 | rs2033873063 | CT | CTTCTTCCTTCCTTCCTTCCTTCCTTCCTTC CTTTCTCTCCCT | RS=rs2033873063;Source=dbsnp |
| NC_000007.14 | 107976927 | rs1554410235 | C | CC,CCTCCTTCCTTCCTTCCTTCCTTCCTTC TCCTTCCTTCCTTCCTTCCTTCCTTCCTTCCTTC | RS=rs1554410235;Source=dbsnp |
| NC_000007.14 | 107976928 | rs2033873358 | TCCTTCCTTCCTT | TCCTTCCTTCCTTCCTTCCTTCCTTCCTTCCTTC | RS=rs2033873358;Source=dbsnp |
| NC_000007.14 | 107976929 | rs1265167309 | C | T | RS=rs1265167309;Source=dbsnp |
| NC_000007.14 | 107976931 | rs2033873461 | T | C | RS=rs2033873461;Source=dbsnp |
| NC_000007.14 | 107976935 | rs1168427516 | TTCTTCCTTCCT | TTCTTCCTTCCTTCCTTCCTTCCTTCCTTCCTTC | RS=rs1168427516;Source=dbsnp |
| NC_000007.14 | 107976937 | rs1446163122 | C | T | RS=rs1446163122;Source=dbsnp |
| NC_000007.14 | 107976938 | rs1283886826 | C | T | RS=rs1283886826;Source=dbsnp |
| NC_000007.14 | 107976939 | rs2033873640 | TTT | TT | RS=rs2033873640;Source=dbsnp |
| NC_000007.14 | 107976944 | rs113307657 | T | C | RS=rs113307657;Source=dbsnp |
| NC_000007.14 | 107976945 | rs138090891 | CTCCCTCC | CTCC | RS=rs138090891;Source=dbsnp |
| NC_000007.14 | 107976947 | rs2033873851 | CCC | CCCCC | RS=rs2033873851;Source=dbsnp |
| NC_000007.14 | 107976947 | rs2033873793 | C | T | RS=rs2033873793;Source=dbsnp |
| NC_000007.14 | 107976948 | rs2033873972 | CCTCCT | CCT | RS=rs2033873972;Source=dbsnp |
| NC_000007.14 | 107976948 | rs71540989 | C | G,T | RS=rs71540989;Source=dbsnp |
| NC_000007.14 | 107976949 | rs2033874212 | CTCCTTCCTTCCTTCCTTCCTTCCTTCCTTC CTTTCTCTTCCTTCCTTCCTTCCTTCCTTCCTTC CTCCTTCCTTCCTTCCTTCCTTCCTTCCTTCCTTC CTTTCTCTC | CTCCTTCCTTCCTTCCTTCCTTCCTTCCTTCCTTC CTTTCTCTTCCTTCCTTCCTTCCTTCCTTCCTTC TTCTTCCTTCCTTCCTTCCTTCCTTCCTTCCTTC | RS=rs2033874212;Source=dbsnp |
| NC_000007.14 | 107976949 | rs71134299 | CTCCTTCCTTCCTTCCTTCCTTCCTTCCTTC CTTTCC | CTCCTTCCTTCCTTCCTTCCTTCCTTCCTTCCTTC CTTTCCACTCCTTCCTTCCTTCCTTCCTTCCTTC TTCTTCCTTCCTTCCTTCCTTCCTTCCTTCCTTC | RS=rs71134299;Source=dbsnp |
| NC_000007.14 | 107976949 | rs1554410239 | CTCCTTCCTTCCTTCCTTCCTTCCTTCCTTC | CTCCTTCCTTCCTTCCTTCCTTCCTTCCTTCCTTC TTTCTTCCTTCCTTCCTTCCTTCCTTCCTTCCTTC TCCTTCCTTCCTTCCTTCCTTCCTTCCTTCCTTC CC | RS=rs1554410239;Source=dbsnp |
| NC_000007.14 | 107976949 | rs13228744 | C | T | RS=rs13228744;Source=dbsnp |
| NC_000007.14 | 107976950 | rs2033874266 | TCCTTCCTTCCTT | TCCTTCCTTCCTTCCTTCCTTCCTTCCTTCCTTC | RS=rs2033874266;Source=dbsnp |
| NC_000007.14 | 107976953 | rs923672098 | T | C | RS=rs923672098;Source=dbsnp |
| NC_000007.14 | 107976954 | rs1584524006 | T | C | RS=rs1584524006;Source=dbsnp |
| NC_000007.14 | 107976957 | rs1427480900 | TTCTTCCTTCCT | TTCTTCCTTCCTTCCTTCCTTCCTTCCTTCCTTC | RS=rs1427480900;Source=dbsnp |
| NC_000007.14 | 107976957 | rs2033874426 | TT | T | RS=rs2033874426;Source=dbsnp |
| NC_000007.14 | 107976959 | rs2033874539 | C | T | RS=rs2033874539;Source=dbsnp |
| NC_000007.14 | 107976960 | rs2033874593 | CTTTC | C | RS=rs2033874593;Source=dbsnp |
| NC_000007.14 | 107976961 | rs2033874701 | TTT | TT | RS=rs2033874701;Source=dbsnp |
| NC_000007.14 | 107976961 | rs2033874648 | T | C | RS=rs2033874648;Source=dbsnp |
| NC_000007.14 | 107976967 | rs1341685589 | CTCCCTCC | CTCC | RS=rs1341685589;Source=dbsnp |
| NC_000007.14 | 107976969 | rs2033874848 | CCC | C | RS=rs2033874848;Source=dbsnp |
| NC_000007.14 | 107976969 | rs1280600522 | C | T | RS=rs1280600522;Source=dbsnp |
| NC_000007.14 | 107976970 | rs2033875126 | CCTCCTTCCTTCCTTCCTTCCTTCCTTCCTTC CCTTCCTTCCTTCCTTCCTTCCTTCCTTCCTTC | CCTCCTTCCTTCCTTCCTTCCTTCCTTCCTTCCTTC CTTTCTCTTCCTTCCTTCCTTCCTTCCTTCCTTC CTCCTTCCTTCCTTCCTTCCTTCCTTCCTTCCTTC | RS=rs2033875126;Source=dbsnp |
| NC_000007.14 | 107976970 | rs2033875044 | CCTCCTTCCTTCCTTCCTTCCTTCCTTCCTTC CCTTCCTTCCTTCCTTCCTTCCTTCCTTCCTTC | CCTCCTTCCTTCCTTCCTTCCTTCCTTCCTTCCTTC CTTTCTCTTCCTTCCTTCCTTCCTTCCTTCCTTC CTCCTTCCTTCCTTCCTTCCTTCCTTCCTTCCTTC | RS=rs2033875044;Source=dbsnp |
| NC_000007.14 | 107976970 | rs1429085421 | CCTCCT | CCT | RS=rs1429085421;Source=dbsnp |
| NC_000007.14 | 107976970 | rs1326185955 | C | G,T | RS=rs1326185955;Source=dbsnp |
| NC_000007.14 | 107976971 | rs1584524026 | CTCCTTCCTTCCTTCCTTCCTTCCTTCCTTC CTTTCTCTCTCTCCTTCCTTCCTTCCTTCCTTC | CTCCTTCCTTCCTTCCTTCCTTCCTTCCTTCCTTC | RS=rs1584524026;Source=dbsnp |
| NC_000007.14 | 107976971 | rs2033875180 | C | T | RS=rs2033875180;Source=dbsnp |
| NC_000007.14 | 107976972 | rs2033875397 | TCCTTCCTTCCTT | TCCTTCCTTCCTTCCTTCCTTCCTTCCTTCCTTC | RS=rs2033875397;Source=dbsnp |
| NC_000007.14 | 107976972 | rs2033875294 | T | A | RS=rs2033875294;Source=dbsnp |
| NC_000007.14 | 107976972 | rs1415810707 | T | TT | RS=rs1415810707;Source=dbsnp |
| NC_000007.14 | 107976973 | rs1403375462 | CC | CCCC | RS=rs1403375462;Source=dbsnp |
| NC_000007.14 | 107976975 | rs867916253 | T | G | RS=rs867916253;Source=dbsnp |
| NC_000007.14 | 107976979 | rs2033875560 | TTCTTCCTTCCT | TTCTTCCTTCCTTCCTTCCTTCCTTCCTTCCTTC | RS=rs2033875560;Source=dbsnp |
| NC_000007.14 | 107976982 | rs1465657426 | CTTTC | C | RS=rs1465657426;Source=dbsnp |

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|--------------|-----------|--------------|--|---|------------------------------|
| NC_000007.14 | 107977036 | rs112048516 | C | G,T | RS=rs112048516;Source=dbsnp |
| NC_000007.14 | 107977037 | rs2033879294 | CTCCTTCCTTCCTTTCTCTCCCTCCTTCCTTC CTTTCTCCTC | CTCCTTCCTTCCTTTCTCTCCCTCCTTCCTTC CTTTCTCCTTCCTTCCTTTCTCTCCCTCC TTCTTCCTTTCTCTC | RS=rs2033879294;Source=dbsnp |
| NC_000007.14 | 107977037 | rs2033879229 | CTCCTTCCTTCCTTTCTCTC | CTCCTTCCTTCCTTTCTCTCTCTCCTTCCTTC CTTTCTCCTC | RS=rs2033879229;Source=dbsnp |
| NC_000007.14 | 107977037 | rs867270904 | C | T | RS=rs867270904;Source=dbsnp |
| NC_000007.14 | 107977038 | rs2033879387 | TCCTTCCTTCCTT | TCCTTCCTT | RS=rs2033879387;Source=dbsnp |
| NC_000007.14 | 107977038 | rs2033879345 | T | TT | RS=rs2033879345;Source=dbsnp |
| NC_000007.14 | 107977041 | rs1056403312 | T | C,G | RS=rs1056403312;Source=dbsnp |
| NC_000007.14 | 107977044 | rs1234666553 | C | T | RS=rs1234666553;Source=dbsnp |
| NC_000007.14 | 107977045 | rs1202459028 | TTCCTTTCTC | TTCCT | RS=rs1202459028;Source=dbsnp |
| NC_000007.14 | 107977048 | rs2033879591 | CTTTC | C | RS=rs2033879591;Source=dbsnp |
| NC_000007.14 | 107977050 | rs2033879644 | TTCCT | T | RS=rs2033879644;Source=dbsnp |
| NC_000007.14 | 107977051 | rs1437766312 | TCCTCTCC | TCC | RS=rs1437766312;Source=dbsnp |
| NC_000007.14 | 107977052 | rs2033879746 | C | G,T | RS=rs2033879746;Source=dbsnp |
| NC_000007.14 | 107977053 | rs2033879811 | C | A | RS=rs2033879811;Source=dbsnp |
| NC_000007.14 | 107977054 | rs2033879858 | TCTCCCTCCTTCCTTCCTT | TCTCCCTCCTTCCTTCCTTCTCCCTCCTTCCTT CCTT | RS=rs2033879858;Source=dbsnp |
| NC_000007.14 | 107977055 | rs1458110777 | CTCCCTCC | CTCC | RS=rs1458110777;Source=dbsnp |
| NC_000007.14 | 107977057 | rs2033880023 | CCCTCCTTCCTTTCTCTCTCTCCTTCCTT TCCTTCCTCCCC | CC | RS=rs2033880023;Source=dbsnp |
| NC_000007.14 | 107977057 | rs1047709192 | C | T | RS=rs1047709192;Source=dbsnp |
| NC_000007.14 | 107977058 | rs2033880148 | CCTCCT | CCT | RS=rs2033880148;Source=dbsnp |
| NC_000007.14 | 107977058 | rs377128832 | C | G,T | RS=rs377128832;Source=dbsnp |
| NC_000007.14 | 107977059 | rs2033880277 | CTCCTTCCTTCCTTTCTCTCTCCTTCCTTC CTTTCTCCTC | CTCCTTCCTTCCTTTCTCTC,CTCCTTCCTTCCTT TCCTCTCTCCTTCCTTCCTTTCTCTCTCTC CTTCCTTCCTTTCTC | RS=rs2033880277;Source=dbsnp |
| NC_000007.14 | 107977059 | rs2033880192 | CTCCTTCCTTCCTTTCTCTC | CTCCTTCCTTCCTTTCTCTCCCTCCTTCCTTC CTTTCTCTCCCTCCTTCCTTCCTTTCTCTCTC CTCCTTCCTTCCTTTCTCTC,CTCCTTCCTTCCTTC TTCTCTCCTTCCTTCCTTCCTTTCTCTCTCCT TCCTTCCTTTCTCTC,CTCCTTCCTTCCTTTCC TCTCCCTCCTTCCTTCCTTTCTCTCTCCTT CCTTCCTTTCTCTC | RS=rs2033880192;Source=dbsnp |
| NC_000007.14 | 107977060 | rs2033880399 | TCCTTCCTTCCTTTCTCTC | TCCTTCCTTCCTTTCTCTCCCTCCTTCCTTC TTCTCTCCTTCCTTCCTTCCTTTCTCTC | RS=rs2033880399;Source=dbsnp |
| NC_000007.14 | 107977060 | rs2033880350 | TCCTTCCTTCCTT | TCCTTCCTT | RS=rs2033880350;Source=dbsnp |
| NC_000007.14 | 107977061 | rs2033880452 | C | G | RS=rs2033880452;Source=dbsnp |
| NC_000007.14 | 107977062 | rs2033880500 | C | T | RS=rs2033880500;Source=dbsnp |
| NC_000007.14 | 107977064 | rs1357713570 | T | G | RS=rs1357713570;Source=dbsnp |
| NC_000007.14 | 107977067 | rs2033880631 | TTCCTTTCTC | TTCCT | RS=rs2033880631;Source=dbsnp |
| NC_000007.14 | 107977067 | rs1006402155 | T | C | RS=rs1006402155;Source=dbsnp |
| NC_000007.14 | 107977069 | rs1313977902 | C | T | RS=rs1313977902;Source=dbsnp |
| NC_000007.14 | 107977072 | rs2033880739 | TTCCTCTCTCCTTCCTTCCTTTCTCCCTT CCCTTCCTC | TTCTCTC | RS=rs2033880739;Source=dbsnp |
| NC_000007.14 | 107977073 | rs2033880778 | T | C | RS=rs2033880778;Source=dbsnp |
| NC_000007.14 | 107977074 | rs1248395322 | C | T | RS=rs1248395322;Source=dbsnp |
| NC_000007.14 | 107977075 | rs1378550737 | CTCTCTCTC | CTCTC,CTCTCTC | RS=rs1378550737;Source=dbsnp |
| NC_000007.14 | 107977078 | rs1295957491 | T | C | RS=rs1295957491;Source=dbsnp |
| NC_000007.14 | 107977079 | rs1440744052 | C | CCT | RS=rs1440744052;Source=dbsnp |
| NC_000007.14 | 107977079 | rs2033881056 | C | CCC,CCCTCCTTCCTTCCTTTCC | RS=rs2033881056;Source=dbsnp |
| NC_000007.14 | 107977079 | rs1350429134 | C | T | RS=rs1350429134;Source=dbsnp |
| NC_000007.14 | 107977080 | rs1292805547 | CTCT | C | RS=rs1292805547;Source=dbsnp |
| NC_000007.14 | 107977080 | rs77048898 | T | A,C,G | RS=rs77048898;Source=dbsnp |
| NC_000007.14 | 107977080 | rs1554410284 | T | CTTCCTTCCTTTCTCTCC | RS=rs1554410284;Source=dbsnp |
| NC_000007.14 | 107977081 | rs2033881499 | CTCCTTCCTTCCTTTCTCTC | CTCCTTCCTTCCTTTCTCTCCCTCCTTCCTTC CTTTCTCCTC | RS=rs2033881499;Source=dbsnp |
| NC_000007.14 | 107977081 | rs1422564457 | CTCCT | CT | RS=rs1422564457;Source=dbsnp |
| NC_000007.14 | 107977081 | rs2033881349 | C | CCTTCCTTCCTTTCTCTCCTTCCTTCCTTCCT TTCTCTCCC,CCTTCCTTCCTTTCTCTCCCTC CTTCCTTCCTTTCTCTCC,CCTTCCTTCCTTT CCTCTCCTTCCTTTCTCTCCC,CCTTCCT TCCTTTCTCTTC | RS=rs2033881349;Source=dbsnp |
| NC_000007.14 | 107977082 | rs1384342894 | CT | C | RS=rs1384342894;Source=dbsnp |
| NC_000007.14 | 107977084 | rs1163250762 | C | T | RS=rs1163250762;Source=dbsnp |
| NC_000007.14 | 107977088 | rs1440535939 | C | T | RS=rs1440535939;Source=dbsnp |
| NC_000007.14 | 107977090 | rs2033881756 | TCCTTTCTC | TCCTTTCTCTCCTTTCTC | RS=rs2033881756;Source=dbsnp |
| NC_000007.14 | 107977090 | rs1410357209 | T | C | RS=rs1410357209;Source=dbsnp |
| NC_000007.14 | 107977091 | rs2033881807 | C | G | RS=rs2033881807;Source=dbsnp |
| NC_000007.14 | 107977092 | rs1355662380 | C | T | RS=rs1355662380;Source=dbsnp |
| NC_000007.14 | 107977094 | rs1175591288 | TTCCTC | TTCTTCCTC | RS=rs1175591288;Source=dbsnp |
| NC_000007.14 | 107977098 | rs2033881970 | T | C | RS=rs2033881970;Source=dbsnp |
| NC_000007.14 | 107977099 | rs2033882148 | CCCCTTCCTTC | C | RS=rs2033882148;Source=dbsnp |
| NC_000007.14 | 107977099 | rs2033882093 | CCCCTTC | C | RS=rs2033882093;Source=dbsnp |
| NC_000007.14 | 107977099 | rs1469651144 | CCCC | CCCC | RS=rs1469651144;Source=dbsnp |
| NC_000007.14 | 107977099 | rs1208142391 | C | CT | RS=rs1208142391;Source=dbsnp |
| NC_000007.14 | 107977100 | rs2033882301 | CCCCT | C | RS=rs2033882301;Source=dbsnp |
| NC_000007.14 | 107977100 | rs1264479520 | C | T | RS=rs1264479520;Source=dbsnp |
| NC_000007.14 | 107977101 | rs1584524277 | CCT | CCTCCT,CCTCCTTCCT | RS=rs1584524277;Source=dbsnp |
| NC_000007.14 | 107977103 | rs2033882477 | T | TCC,TCCTTCCTTCCTTTCTC | RS=rs2033882477;Source=dbsnp |

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|--------------|-----------|------------------------------|------------------------|------------------------------|
| NC_000007.14 | 107977103 | rs2033882425 T | C | RS=rs2033882425;Source=dbsnp |
| NC_000007.14 | 107977104 | rs2033882592 TCCCTTCCTCCCT | TCCCTTCCTCCCTTCCCTCCCT | RS=rs2033882592;Source=dbsnp |
| NC_000007.14 | 107977104 | rs1448138936 TTC | T | RS=rs1448138936;Source=dbsnp |
| NC_000007.14 | 107977105 | rs1188303935 CCC | CC | RS=rs1188303935;Source=dbsnp |
| NC_000007.14 | 107977106 | rs1584524300 C | CTTCCTTTCCCT | RS=rs1584524300;Source=dbsnp |
| NC_000007.14 | 107977107 | rs1246615965 C | A,T | RS=rs1246615965;Source=dbsnp |
| NC_000007.14 | 107977108 | rs2033882799 T | G | RS=rs2033882799;Source=dbsnp |
| NC_000007.14 | 107977110 | rs2033882945 CCTCCCTCCCTCCCT | CCTCCCTCCCT | RS=rs2033882945;Source=dbsnp |
| NC_000007.14 | 107977110 | rs1489981560 CC | C | RS=rs1489981560;Source=dbsnp |
| NC_000007.14 | 107977110 | rs1016395824 C | T | RS=rs1016395824;Source=dbsnp |
| NC_000007.14 | 107977112 | rs1446855936 T | TT | RS=rs1446855936;Source=dbsnp |
| NC_000007.14 | 107977113 | rs1165035701 TCCCTCCC | T | RS=rs1165035701;Source=dbsnp |
| NC_000007.14 | 107977113 | rs1368689933 C | T | RS=rs1368689933;Source=dbsnp |
| NC_000007.14 | 107977115 | rs2033883157 C | T | RS=rs2033883157;Source=dbsnp |
| NC_000007.14 | 107977117 | rs2033883256 C | T | RS=rs2033883256;Source=dbsnp |
| NC_000007.14 | 107977122 | rs1318357670 CCTTCCTTC | CCTTC | RS=rs1318357670;Source=dbsnp |
| NC_000007.14 | 107977122 | rs896683381 C | T | RS=rs896683381;Source=dbsnp |
| NC_000007.14 | 107977125 | rs114031086 T | C | RS=rs114031086;Source=dbsnp |
| NC_000007.14 | 107977126 | rs113393176 C | T | RS=rs113393176;Source=dbsnp |
| NC_000007.14 | 107977146 | rs2033883556 C | T | RS=rs2033883556;Source=dbsnp |
| NC_000007.14 | 107977148 | rs1276582227 T | C | RS=rs1276582227;Source=dbsnp |
| NC_000007.14 | 107977149 | rs1563000370 C | T | RS=rs1563000370;Source=dbsnp |