chr9	21968178	21968217	CDKN2A_1	-	GTGACCTATGCACCAGACGTGAGGCTCTGAGAAACCTCGGGAAACTTAGATCATCAGTCAAGATCGGAAGAGCGGTTCAG
chr9	21970851	21970890	CDKN2A_2	-	GTGACCTATGCACCAGACGTATGATCTGAGAATTTGTACCCTGAGAGCTTCCAAAGCTCAAGATCGGAAGAGCGGTTCAG
chr9	21970952	21970991	CDKN2A_3	-	GTGACCTATGCACCAGACGTCATCGCGATGTCGCACGGTACCTGCGCGCGGCTGCGGGGGAGATCGGAAGAGCGGTTCAG
chr9	21974426	21974465	CDKN2A_4	-	GTGACCTATGCACCAGACGTGCGTACAGATCTCTCGAATGCTGAGAAGATCTGAAGGGGGAGATCGGAAGAGCGGTTCAG
chr9	21974627	21974666	CDKN2A_5	-	GTGACCTATGCACCAGACGTGGTCTGCAGCGGGAGCAGGGGATGGCGGGCGACTCTGGAGAGATCGGAAGAGCGGTTCAG
chr9	21994088	21994127	CDKN2A_6	-	GTGACCTATGCACCAGACGTCCCTCGAAAAGTCCGGGGCGCATTCGGCACTTGTTTTGTTAGATCGGAAGAGCGGTTCAG
chr7	55086921	55086960	EGFR_7	-	GTGACCTATGCACCAGACGTCGAAGAGCTCGCTCCGGCTCTCCCGATCAATACTGGACGGAGATCGGAAGAGCGGTTCAG
chr7	55209929	55209968	EGFR_8	-	GTGACCTATGCACCAGACGTAAGACAGATATCACATGAAATACTGAGAAATGCAGAAAAAAGATCGGAAGAGCGGTTCAG
chr7	55210948	55210987	EGFR_9	-	GTGACCTATGCACCAGACGTAAAACATAAATGCGTGATTTCTCTTTTGAGGAACTCAAGAAGATCGGAAGAGCGGTTCAG
chr7	55214249	55214288	EGFR_10	-	GTGACCTATGCACCAGACGTATGGAACTGCGGTGAGCACTCTTTCCAGCTCCTTTAAATTAGATCGGAAGAGCGGTTCAG
chr7	55218937	55218976	EGFR_11	-	GTGACCTATGCACCAGACGTAAAGTAATAGATGCATATCTCAGTGAAATGATGAGAAACTAGATCGGAAGAGCGGTTCAG
chr7	55220189	55220228	EGFR_12	-	GTGACCTATGCACCAGACGTGCAAAGGTTCCCTGTGAGCTGAAGAGTGAGGGTAGGATCAAGATCGGAAGAGCGGTTCAG
chr7	55221654	55221693	EGFR_13	-	GTGACCTATGCACCAGACGTGAGAGGACACGCTGGGCAAGTGAGGTAAGTACACTCAGCGAGATCGGAAGAGCGGTTCAG
chr7	55223473	55223512	EGFR_14	-	GTGACCTATGCACCAGACGTGAGCATGAAAGGAAGGTGATGACGGTGGCACCAGGTGCTCAGATCGGAAGAGCGGTTCAG
chr7	55224176	55224215	EGFR_15	-	GTGACCTATGCACCAGACGTAAGAGAGACGTGTATTCCGTTCACATTTGTTGGATTAAGAAGATCGGAAGAGCGGTTCAG
chr7	55224402	55224441	EGFR_16	-	GTGACCTATGCACCAGACGTCAACAGGGTGATTATTGATCACCAATCTCTACCAGTTAAAAGATCGGAAGAGCGGTTCAG
chr7	55225306	55225345	EGFR_17	-	GTGACCTATGCACCAGACGTGATGAAAGACTTCAGACACACACCACGTAGGAGTTTCTTTAGATCGGAAGAGCGGTTCAG
chr7	55227782	55227821	EGFR_18	-	GTGACCTATGCACCAGACGTGAGAAGAAAAATCATGTGGTGAAAAATTATAAAAACAATGAGATCGGAAGAGCGGTTCAG
chr7	55229142	55229181	EGFR_19	-	GTGACCTATGCACCAGACGTAGAGTGGGTCACAGCAGTCAGTGACAGAGCAGGGACCCGAAGATCGGAAGAGCGGTTCAG
chr7	55231376	55231415	EGFR_20	-	GTGACCTATGCACCAGACGTGAAGAGGAAACCCGTCAGCCCACCCCTGAGACATTATTGCAGATCGGAAGAGCGGTTCAG
chr7	55232923	55232962	EGFR_21	-	GTGACCTATGCACCAGACGTGTGGAGAAAAATGTTCATGCATGTCTCTTTCTTTTCTCTTAGATCGGAAGAGCGGTTCAG
chr7	55236166	55236205	EGFR_22	-	GTGACCTATGCACCAGACGTATAGAAAGACATTAGAAAAATGACCACTAACATTTTTAATAGATCGGAAGAGCGGTTCAG
chr7	55237950	55237989	EGFR_23	-	GTGACCTATGCACCAGACGTATGGACAAGTACATTTCAATATGTGAGAGGCCTGGGGAGCAGATCGGAAGAGCGGTTCAG
chr7	55238818	55238857	EGFR_24	-	GTGACCTATGCACCAGACGTTGAAAGAGAAATATACATTTTTCTCATTCTACTTCTTTGGAGATCGGAAGAGCGGTTCAG
chr7	55240626	55240665	EGFR_25	-	GTGACCTATGCACCAGACGTGTGGAGGAACAAGGAAGGGTGAGGTTGCTGACAGATTCCAAGATCGGAAGAGCGGTTCAG
chr7	55241564	55241603	EGFR_26	-	GTGACCTATGCACCAGACGTCAAGAACACAGAGACAAGGGTCACCTCAGCCCTCACCATGAGATCGGAAGAGCGGTTCAG
chr7	55242365	55242404	EGFR_27	-	GTGACCTATGCACCAGACGTGAGAGAAGGAAGACGTTAACTGGCAATTGTGAGATGGTGCAGATCGGAAGAGCGGTTCAG
chr7	55248936	55248975	EGFR_28	-	GTGACCTATGCACCAGACGTGGAGAGGCACGTCAGTGTGGCTTCGCATGGTGGCCAGAAGAGATCGGAAGAGCGGTTCAG
chr7	55259362	55259401	EGFR_29	-	GTGACCTATGCACCAGACGTGAAGACCCTGCTGTGAGGGACAGATCATCATGGGAAGAAGAGATCGGAAGAGCGGTTCAG
chr7	55260409	55260448	EGFR_30	-	GTGACCTATGCACCAGACGTTGAGAGATGAGGCAGTGAGACAACTATTAGTTTCCCTCTGAGATCGGAAGAGCGGTTCAG
chr7	55266360	55266399	EGFR_31	-	GTGACCTATGCACCAGACGTGAAGCAAGAAAAGAAGGCAGTGGGATCATGAATGAACAATAGATCGGAAGAGCGGTTCAG
chr7	55267959	55267998	EGFR_32	-	GTGACCTATGCACCAGACGTAATGAGAAAAAACAGTGCAATTAGAACACTGGAAGAAATGAGATCGGAAGAGCGGTTCAG
chr7	55268831	55268870	EGFR_33	-	GTGACCTATGCACCAGACGTGATTTTGAGGCTATTAGAATGGCCCGTAGAGATGCTATTCAGATCGGAAGAGCGGTTCAG
chr7	55269378	55269417	EGFR_34	-	GTGACCTATGCACCAGACGTAACAGAGAAGTTGCCCATGGAATGCTTGTACCACATCTCAAGATCGGAAGAGCGGTTCAG
chr17	7572877	7572916	TP53_35	-	GTGACCTATGCACCAGACGTTTCTTGTTCCCCACTGACAGCCTCCCACCCCCATCTCTCCAGATCGGAAGAGCGGTTCAG
chr17	7573877	7573916	TP53_36	-	GTGACCTATGCACCAGACGTTCAGCCCCTTCCTGGCCCTACTCCCCTGCCTTCCTAGGTTAGATCGGAAGAGCGGTTCAG
chr17	7576803	7576842	TP53_37	-	GTGACCTATGCACCAGACGTTTGGGACCTCTTATCAAGTGGAAAGTTTCCAGTCTAACACAGATCGGAAGAGCGGTTCAG
chr17	7576969	7577008	TP53_38	-	GTGACCTATGCACCAGACGTAGGACAAGAAGCGGTGGAGGAGACCAAGGGTGCAGTTATGAGATCGGAAGAGCGGTTCAG
chr17	7577449	7577488	TP53_39	-	GTGACCTATGCACCAGACGTACTTGCCACCCTGCACACTGGCCTGCTGTGCCCCAGCCTCAGATCGGAAGAGCGGTTCAG
chr17	7578127	7578166	TP53_40	-	GTGACCTATGCACCAGACGTCAACTGGGGTCTCTGGGAGGAGGGGTTAAGGGTGGTTGTCAGATCGGAAGAGCGGTTCAG
chr17	7578321	7578360	TP53_41	-	GTGACCTATGCACCAGACGTGGGGCTGGAGAGACGACAGGGCTGGTTGCCCAGGGTCCCCAGATCGGAAGAGCGGTTCAG
chr17	7579262	7579301	TP53_42	-	GTGACCTATGCACCAGACGTCTGAGGGGCTGGCTTCCATGAGACTTCAATGCCTGGCCGTAGATCGGAAGAGCGGTTCAG
chr17	7579789	7579828	TP53_43	-	GTGACCTATGCACCAGACGTCCATTGGAAGGGCAGGCCCACCACCCCCACCCCAACCCCAAGATCGGAAGAGCGGTTCAG
chr3	178916564	178916603	PIK3CA_44	-	GTGACCTATGCACCAGACGTCTTTGCAAGTTTTACATATAAAACTACTTTAAGGAATTAGAGATCGGAAGAGCGGTTCAG
chr3	178917428	178917467	PIK3CA_45	-	GTGACCTATGCACCAGACGTATTACATAAAGAATATAACATTCTATTACATACACAGCATAGATCGGAAGAGCGGTTCAG
chr3	178919028	178919067	PIK3CA_46	-	GTGACCTATGCACCAGACGTAAAACATTAGATGCAATCACCATCTCTCTTTCATTTTTCAAGATCGGAAGAGCGGTTCAG
chr3	178921282	178921321	PIK3CA_47	-	GTGACCTATGCACCAGACGTTTAAGGGGGCGAGCCATTTCCTGTAAGGTTTTTCATTTTAAGATCGGAAGAGCGGTTCAG
chr3	178922241	178922280	PIK3CA_48	-	GTGACCTATGCACCAGACGTAAAGTAGGTATATACTAATGTATACACTCAACATACACATAGATCGGAAGAGCGGTTCAG
chr3	178927924	178927963	PIK3CA_49	-	GTGACCTATGCACCAGACGTAAAGAAAAATATTCACTAGTCTAAATTATAAAACACATTTAGATCGGAAGAGCGGTTCAG
chr3	178928169	178928208	PIK3CA_50	-	GTGACCTATGCACCAGACGTGAAGAAAAGCTATTATATATACATAAGAGAGAAGGTTTGAAGATCGGAAGAGCGGTTCAG
chr3	178935948	178935987	PIK3CA_51	-	GTGACCTATGCACCAGACGTAAATAATATCTTATATAGCTTTCTTTGTCATATTTTTCCCAGATCGGAAGAGCGGTTCAG
chr3	178936934	178936973	PIK3CA_52	-	GTGACCTATGCACCAGACGTGAAACAAAATAAACATAAACATTCTTGCATGCTGTTCAAAAGATCGGAAGAGCGGTTCAG
chr3	178937309	178937348	PIK3CA_53	-	GTGACCTATGCACCAGACGTGAAAGACAATAAATCATATTTAAAGGGGAAAGATAGTTGTAGATCGGAAGAGCGGTTCAG
chr3	178937687	178937726	PIK3CA_54	-	GTGACCTATGCACCAGACGTCCAAAAAAACAAATCAGGGTCAGTTTCTGCATGGCCGATCAGATCGGAAGAGCGGTTCAG
chr3	178941819	178941858	PIK3CA_55	-	GTGACCTATGCACCAGACGTAAAAAGGATAGTCACAGTAAGAAACTGACTTAATAAAAGAAGATCGGAAGAGCGGTTCAG
chr3	178942438	178942477	PIK3CA_56	-	GTGACCTATGCACCAGACGTGTTAAAAACTTTACTAGGTACCTTTGCTTTATTATTATTTAGATCGGAAGAGCGGTTCAG
chr3	178943700	178943739	PIK3CA_57	-	GTGACCTATGCACCAGACGTAATAATATGTATCACCATTTAATGCCACAGATGCAAATTTAGATCGGAAGAGCGGTTCAG
chr3	178947010	178947049	PIK3CA_58	-	GTGACCTATGCACCAGACGTAGTAACACGTTTACAATTAAATGATGGAATTTTAAAATAGAGATCGGAAGAGCGGTTCAG

chr3	178947742	178947781	PIK3CA_59	-	GTGACCTATGCACCAGACGTTAAACACCTCATGAGTAGTATGGAAATATAGTGATTCAGGAGATCGGAAGAGCGGTTCAG
chr3	178947963	178948002	PIK3CA_60	-	GTGACCTATGCACCAGACGTTAAGAAATTATGTTATAGTTTGATATATGCAGATACAAAAAGATCGGAAGAGCGGTTCAG
chr3	178951832	178951871	PIK3CA_61	-	GTGACCTATGCACCAGACGTTAAGAACAGTTTGGTCAGTTTGGAGCAAATGATGTTAATAAGATCGGAAGAGCGGTTCAG
chr13	48877999	48878038	RB1_62	-	GTGACCTATGCACCAGACGTCGCGGCGGGAGCCAGCGAGCTGTGGAGGAGCGCCGGGGAGAGATCGGAAGAGCGGTTCAG
chr13	48881366	48881405	RB1_63	-	GTGACCTATGCACCAGACGTAAAATAATCATATAATTGGCATATACTTATAAATCAAATTAGATCGGAAGAGCGGTTCAG
chr13	48916685	48916724	RB1_64	-	GTGACCTATGCACCAGACGTAAAATAAAGATCAAATATTTCATTAAATAATTCACACACTAGATCGGAAGAGCGGTTCAG
chr13	48919166	48919205	RB1_65	-	GTGACCTATGCACCAGACGTAAGAATAGAAAAAAGTAAATCAGTAACCTTAAAAATTTGTAGATCGGAAGAGCGGTTCAG
chr13	48921911	48921950	RB1_66	-	GTGACCTATGCACCAGACGTAAACATTATGACTTTTTAACATTTTTTCGTAATTTAGAAGAGATCGGAAGAGCGGTTCAG
chr13	48923042	48923081	RB1_67	-	GTGACCTATGCACCAGACGTAATAGAAAGCAGAAAAAAAACAGGAAAAATGTATCACTGAAGATCGGAAGAGCGGTTCAG
chr13	48934103	48934142	RB1_68	-	GTGACCTATGCACCAGACGTAATGTACATTTTTAAAGAAAGTTAGAGATTCAGATCTTTGAGATCGGAAGAGCGGTTCAG
chr13	48936901	48936940	RB1_69	-	GTGACCTATGCACCAGACGTGGTAAATTAGATAAGAACAATTGTACATCCATCATATAAAAGATCGGAAGAGCGGTTCAG
chr13	48938980	48939019	RB1_70	-	GTGACCTATGCACCAGACGTTGAAGTTACAACATGATCATTAAAATTTAAAACAAAATCTAGATCGGAAGAGCGGTTCAG
chr13	48941580	48941619	RB1_71	-	GTGACCTATGCACCAGACGTAAAAGTCACTGACAATTATCCTTTACATGTCATTACATCTAGATCGGAAGAGCGGTTCAG
chr13	48942613	48942652	RB1_72	-	GTGACCTATGCACCAGACGTATAAGTGAAGTCATTCACATACTGAAAATTTACAATTTGTAGATCGGAAGAGCGGTTCAG
chr13	48947491	48947530	RB1_73	-	GTGACCTATGCACCAGACGTTAAAAATAGGAAAATGTGTTAAGCAATGAAGGGAGAAAAAAGATCGGAAGAGCGGTTCAG
chr13	48951004	48951043	RB1_74	-	GTGACCTATGCACCAGACGTTAAAAACAGAAATCAATGTCGAGGATACTGTGTAATCAGAAGATCGGAAGAGCGGTTCAG
chr13	48953680	48953719	RB1_75	-	GTGACCTATGCACCAGACGTACAAAAAGAAAAATAAGAGCCTGCTATTTTAGAAAATCACAGATCGGAAGAGCGGTTCAG
chr13	48954139	48954178	RB1_76	-	GTGACCTATGCACCAGACGTTAATTTAAAAAAAAAAAAAGAAGTTGTTTAATTGAAACCTAGATCGGAAGAGCGGTTCAG
chr13	48955333	48955372	RB1_77	-	GTGACCTATGCACCAGACGTAAAAAAAAAGTAACTATTTATGAAATATTAACCCTTGAGCAGATCGGAAGAGCGGTTCAG
chr13	49027079	49027118	RB1_78	-	GTGACCTATGCACCAGACGTCATGATGAAATTAAAACCACATTAGTAAGCATAATTTTCCAGATCGGAAGAGCGGTTCAG
chr13	49030290	49030329	RB1_79	-	GTGACCTATGCACCAGACGTTTAAAGGAAAAGTCTTCATTTCAAGTTGGCTAAGAATCACAGATCGGAAGAGCGGTTCAG
chr13	49033774	49033813	RB1_80	-	GTGACCTATGCACCAGACGTAAGAAAAATTAGTCATTTTTACTGTTCATTTTGAATTACAAGATCGGAAGAGCGGTTCAG
chr13	49037817	49037856	RB1_81	-	GTGACCTATGCACCAGACGTAATTGATGTAAAAGTAGTCAGAATTTTATTACATGGTTTTAGATCGGAAGAGCGGTTCAG
chr13	49039291	49039330	RB1_82	-	GTGACCTATGCACCAGACGTAACAAAAAAGTAGATTATTTATTTAATGTTTTGGTGGACCAGATCGGAAGAGCGGTTCAG
chr13	49047446	49047485	RB1_83	-	GTGACCTATGCACCAGACGTAAGATGAAATACCAATTAGTAATAAAAAACCATATACAATAGATCGGAAGAGCGGTTCAG
chr13	49050787	49050826	RB1_84	-	GTGACCTATGCACCAGACGTCAGAATTCTTTACTTTAAATCATTAAATGCCAGTGTTTCAAGATCGGAAGAGCGGTTCAG
chr13	49051441	49051480	RB1_85	-	GTGACCTATGCACCAGACGTAAAAAATGCAAAACATTTCATGTGTATTTATAAATGGAAAAGATCGGAAGAGCGGTTCAG
chr13	49054084	49054123	RB1_86	-	GTGACCTATGCACCAGACGTGATGAAGAACTGTTAACAGCATTGATGGTACTGGGTAAGTAGATCGGAAGAGCGGTTCAG
chr17	29482951	29482990	NF1_87	-	GTGACCTATGCACCAGACGTAAGAAAAAAAAAACACGTTAACAGCTTATCCTTAAAAACGAGATCGGAAGAGCGGTTCAG
chr17	29485978	29486017	NF1_88	-	GTGACCTATGCACCAGACGTAGATATTCAGAACATAAAAGTTAGTTTCACTTTCTGCTACAGATCGGAAGAGCGGTTCAG
chr17	29508390	29508429	NF1_89	-	GTGACCTATGCACCAGACGTCACAATTTTTAAAAATTAACTCTAGAATAAGTTAACACAAAGATCGGAAGAGCGGTTCAG
chr17	29508678	29508717	NF1_90	-	GTGACCTATGCACCAGACGTAGAACCACATGTCTTTACAGTGATTTTTTGTAATACAGTAAGATCGGAAGAGCGGTTCAG
chr17	29509476	29509515	NF1_91	-	GTGACCTATGCACCAGACGTAATATATTAAATGACATTATTAGATAGGAACAAAATCCCTAGATCGGAAGAGCGGTTCAG
chr17	29527390	29527429	NF1_92	-	GTGACCTATGCACCAGACGTCAAATATAGCGATAAGATAATATATGAAGTTTCTTCTATTAGATCGGAAGAGCGGTTCAG
chr17	29528005	29528044	NF1_93	-	GTGACCTATGCACCAGACGTCCCAACAGAAAACAAAAGCCTTTAAATACCCATGCAGTATAGATCGGAAGAGCGGTTCAG
chr17	29528379	29528418	NF1_94	-	GTGACCTATGCACCAGACGTAGAAAAAAAAAAGCAGATTATTTCTATGAGAAAAATACTCAGATCGGAAGAGCGGTTCAG
chr17	29533208	29533247	NF1_95	-	GTGACCTATGCACCAGACGTACAAAGACCAATAGGAAGAAAAAGTACAAAATTACGTGAGAGATCGGAAGAGCGGTTCAG
chr17	29541419	29541458	NF1_96	-	GTGACCTATGCACCAGACGTAACAAAAACATGGTATCAGACATAAGACTCAGGATAATAGAGATCGGAAGAGCGGTTCAG
chr17	29548818	29548857	NF1_97	-	GTGACCTATGCACCAGACGTTAAAAAAGAGAAAGACAAAGAGAAGACTCACTCAAACATTAGATCGGAAGAGCGGTTCAG
chr17	29550412	29550451	NF1_98	-	GTGACCTATGCACCAGACGTATAAAGTTCATTGTTACTAGCATCATCAATAACCTAATGCAGATCGGAAGAGCGGTTCAG
chr17	29552063	29552102	NF1_99	-	GTGACCTATGCACCAGACGTATAAATAAATAAGCTTTACTGAAGCACTGACAACCAAGAGAGATCGGAAGAGCGGTTCAG
chr17	29553403	29553442	NF1_100	-	GTGACCTATGCACCAGACGTAGGGTGGAAGACATATATTTGCAACTTGGGTAATTTTATGAGATCGGAAGAGCGGTTCAG
chr17	29554186	29554225	NF1_101	-	GTGACCTATGCACCAGACGTACAACAGCAAATCAAGTTACTGCACTTAGAGCCCTGCCTGAGATCGGAAGAGCGGTTCAG
chr17	29554491	29554530	NF1_102	-	GTGACCTATGCACCAGACGTGGCAATTATCACTTGAAAGCAACTTAGTCTAGAGCTAAACAGATCGGAAGAGCGGTTCAG
chr17	29555993	29556032	NF1_103	-	GTGACCTATGCACCAGACGTAATTTTTGTGCAAAGCATGAATTAAACCTTAATTAGTTGAAGATCGGAAGAGCGGTTCAG
chr17	29556803	29556842	NF1_104	-	GTGACCTATGCACCAGACGTAACAAATACATTAATGATTTGCCATCAATGCCCAGAAGACAGATCGGAAGAGCGGTTCAG
chr17	29557228	29557267	NF1_105	-	GTGACCTATGCACCAGACGTATAGAAACAATAAAAAAATTATCAGATATAGACAAAAGAGAGATCGGAAGAGCGGTTCAG
chr17	29557810	29557849	NF1_106	-	GTGACCTATGCACCAGACGTGTGGAGAAAAGAGAAACAGCAAACAATGTTTTTGAAGCCAAGATCGGAAGAGCGGTTCAG
chr17	29559668	29559707	NF1_107	-	GTGACCTATGCACCAGACGTAAAAGACTGACCTTTACATAGTGAAGGCCGTATCAACTAGAGATCGGAAGAGCGGTTCAG
chr17	29559970	29560009	NF1_108	-	GTGACCTATGCACCAGACGTCAAACAGATGCAAATTTACTAACATGGCCTTGCTGAAGTAAGATCGGAAGAGCGGTTCAG
chr17	29562579	29562618	NF1_109	-	GTGACCTATGCACCAGACGTAACAAAATCAGGTTAGTGCAAACAATCCCATTTTTATTCTAGATCGGAAGAGCGGTTCAG
chr17	29562886	29562925	NF1_110	-	GTGACCTATGCACCAGACGTGCACGAATAGGAGTTTATTATACCTGCTCCATATATTTTAAGATCGGAAGAGCGGTTCAG
chr17	29575952	29575991	NF1_111	-	GTGACCTATGCACCAGACGTATAAAAATAAAATCCTAACACTTTTGTTTAAAACAAATAAAGATCGGAAGAGCGGTTCAG
chr17	29579906	29579945	NF1_112	-	GTGACCTATGCACCAGACGTGAGATGAGCACAAACAAGTCACAGCACCGACTACATACAGAGATCGGAAGAGCGGTTCAG
chr17	29585312	29585351	NF1_113	-	GTGACCTATGCACCAGACGTGGAGTTGAGAATTGAGTATAAGGTTTGAATTAATATAAAGAGATCGGAAGAGCGGTTCAG
chr17	29586000	29586039	NF1_114	-	GTGACCTATGCACCAGACGTAAACAGGGTTATAAATAATCAGATTATTTATTGTATGAAGAGATCGGAAGAGCGGTTCAG
chr17	29587337	29587376	NF1_115	-	GTGACCTATGCACCAGACGTGCAAAGTCATTAGAATTTTCAACACCAGATACACCCAGACAGATCGGAAGAGCGGTTCAG
chr17	29588679	29588718	NF1_116	-	GTGACCTATGCACCAGACGTCAAACTACTTAGAAAAAAAATTAGCAGTTCACATTTAGCAAGATCGGAAGAGCGGTTCAG

chr17	29592197	29592236	NF1_117	-	GTGACCTATGCACCAGACGTAATAACAGAGTAATTATGAGGCTTTATGTTGTCTACTGAGAGATCGGAAGAGCGGTTCAG
chr17	29652788	29652827	NF1_118	-	GTGACCTATGCACCAGACGTTGACAAAAAAGACAAAGATTATTAGCAGTGTTTAAAATAAAGATCGGAAGAGCGGTTCAG
chr17	29654467	29654506	NF1_119	-	GTGACCTATGCACCAGACGTGTGGTGACGGGGTGAAGTGGAGAAGAATTAAACTCTTTTAAGATCGGAAGAGCGGTTCAG
chr17	29657264	29657303	NF1_120	-	GTGACCTATGCACCAGACGTACACAAATGAAGTTGTTTTAAAACGTATTTTTCCTTATAGAGATCGGAAGAGCGGTTCAG
chr17	29661806	29661845	NF1_121	-	GTGACCTATGCACCAGACGTATACACTATTAGCATGTGATGGTCAATGAAAATCACATCAAGATCGGAAGAGCGGTTCAG
chr17	29664336	29664375	NF1_122	-	GTGACCTATGCACCAGACGTATAAAGGAACAAGTAAAGACAGAAAATATTACTTTTTAATAGATCGGAAGAGCGGTTCAG
chr17	29664787	29664826	NF1_123	-	GTGACCTATGCACCAGACGTGGATACTCTGAATACATATTGTACATAAATGTTTTTAGAAAGATCGGAAGAGCGGTTCAG
chr17	29665672	29665711	NF1_124	-	GTGACCTATGCACCAGACGTAACAGAATTTTTTATTTTACTTTCATTGAAATAAAACATTAGATCGGAAGAGCGGTTCAG
chr17	29667473	29667512	NF1_125	-	GTGACCTATGCACCAGACGTAGATATGTTTGAGGCTAGTAAGATGAATCATGACATAGTCAGATCGGAAGAGCGGTTCAG
chr17	29669977	29670016	NF1_126	-	GTGACCTATGCACCAGACGTTAATCATGAGATGGTTGATGAGGTTCACACAGTAGCTTTCAGATCGGAAGAGCGGTTCAG
chr17	29677151	29677190	NF1_127	-	GTGACCTATGCACCAGACGTAACGGTGGCAGGTTAAAAAATTTAACAAATCACAAGTGTGAGATCGGAAGAGCGGTTCAG
chr17	29679225	29679264	NF1_128	-	GTGACCTATGCACCAGACGTAAAACAATAGAGAAAAATCAATTAATATGGTGACAAATACAGATCGGAAGAGCGGTTCAG
chr17	29683428	29683467	NF1_129	-	GTGACCTATGCACCAGACGTAAGTTAAGAATATGCAAGTTCATTAACTACAGTGTCTATAAGATCGGAAGAGCGGTTCAG
chr17	29683928	29683967	NF1_130	-	GTGACCTATGCACCAGACGTATAGGGAATTAACGTGATCAAACACCTGGATAATCACTTCAGATCGGAAGAGCGGTTCAG
chr17	29684237	29684276	NF1_131	-	GTGACCTATGCACCAGACGTGCAAAAAAGTAAACACACAACATTTTTACTTTGTGGCTGAAGATCGGAAGAGCGGTTCAG
chr17	29685448	29685487	NF1_132	-	GTGACCTATGCACCAGACGTAAAAAAGTCAACAGAGGAACATTTTAGAGGAAAATTAAATAGATCGGAAGAGCGGTTCAG
chr17	29685937	29685976	NF1_133	-	GTGACCTATGCACCAGACGTTCAAATTTTACTCTTATAACAAGCAAGGTATCTTTTAATTAGATCGGAAGAGCGGTTCAG
chr17	29687455	29687494	NF1_134	-	GTGACCTATGCACCAGACGTAAATAGGAAATTATTTTAGTTCCTTTTTTTTAAGTAAATCAGATCGGAAGAGCGGTTCAG
chr17	29700981	29701020	NF1_135	-	GTGACCTATGCACCAGACGTAGAGAACAGCCAGTTACTTCTTCTTTTCCTTCCAGGACTGAGATCGGAAGAGCGGTTCAG
chr7	116339089	116339128	MET_136	-	GTGACCTATGCACCAGACGTTTATCTGCCAAAACAGGTTCAAGGCGAGAGCAGTTCAGTTAGATCGGAAGAGCGGTTCAG
chr7	116371672	116371711	MET_137	-	GTGACCTATGCACCAGACGTATATGGTCATAGAGTTAATGTGAATCCAGACATGAACAAGAGATCGGAAGAGCGGTTCAG
chr7	116379954	116379993	MET_138	-	GTGACCTATGCACCAGACGTAAAAAGTTATAACATCCTTATTCCAACAAGCTCAGTTTAAAGATCGGAAGAGCGGTTCAG
chr7	116380856	116380895	MET_139	-	GTGACCTATGCACCAGACGTAAGGGGTGGAAAGAGCTTCCAGAGGGGTATCTAGTTTGTTAGATCGGAAGAGCGGTTCAG
chr7	116395359	116395398	MET_140	-	GTGACCTATGCACCAGACGTAACATAGAACTTTTAAAAAAACCCAATATATTATAATTTTAGATCGGAAGAGCGGTTCAG
chr7	116397441	116397480	MET_141	-	GTGACCTATGCACCAGACGTAACCCAAAGTTTAATACATGACAAATCCAAGGAATTTTCTAGATCGGAAGAGCGGTTCAG
chr7	116397642	116397681	MET_142	-	GTGACCTATGCACCAGACGTGATAAAAACAAAACAAAGTAACTTGTTCATCTTATAATTTAGATCGGAAGAGCGGTTCAG
chr7	116398463	116398502	MET_143	-	GTGACCTATGCACCAGACGTAAAATTAAGGAAGTGAATTTTAGCTATTAGAGATACACATAGATCGGAAGAGCGGTTCAG
chr7	116399341	116399380	MET_144	-	GTGACCTATGCACCAGACGTGGGATTCAATTTAATCACCTGCACTGATTACAGGTCAGAGAGATCGGAAGAGCGGTTCAG
chr7	116399395	116399434	MET_145	-	GTGACCTATGCACCAGACGTAAAATAGAAAACTGACAATGTTGAGAGGTTCTTTCCACCAAGATCGGAAGAGCGGTTCAG
chr7	116403054	116403093	MET_146	-	GTGACCTATGCACCAGACGTACACAATTATCCACTGTAAACAGAATACAGCTTGGCAACAAGATCGGAAGAGCGGTTCAG
chr7	116409649	116409688	MET_147	-	GTGACCTATGCACCAGACGTAAAAAAAAAAAAAAGGTTGTTAACACTTCACAGTTCTGCAGAGATCGGAAGAGCGGTTCAG
chr7	116411502	116411541	MET_148	-	GTGACCTATGCACCAGACGTCAAATAAAGAAAAGTCAGCATTTAGCCATGATAGATATTTAGATCGGAAGAGCGGTTCAG
chr7	116411853	116411892	MET_149	-	GTGACCTATGCACCAGACGTAGAGAAAGAAAGAGCTTGTTAAAGACGGCTATCATGGGCCAGATCGGAAGAGCGGTTCAG
chr7	116414885	116414924	MET_150	-	GTGACCTATGCACCAGACGTAAGGAAAATTATTAAAGAACAACAGTAAAACCTCATTTAAAGATCGGAAGAGCGGTTCAG
chr7	116417393	116417432	MET_151	-	GTGACCTATGCACCAGACGTGAAAGAACTTGGTTAGCACTGCGTAACATTTAATTATGAAAGATCGGAAGAGCGGTTCAG
chr7	116418780	116418819	MET_152	-	GTGACCTATGCACCAGACGTCAGTGGTGGAGACATTAACTTCATTATGGAACAGTGAATAAGATCGGAAGAGCGGTTCAG
chr7	116421992	116422031	MET_153	-	GTGACCTATGCACCAGACGTAGAGAGTTAGAAAAGCATAAACTAAGCATCTACTGTTCTAAGATCGGAAGAGCGGTTCAG
chr7	116423308	116423347	MET_154	-	GTGACCTATGCACCAGACGTGACAAAAATTATTACCCGTGGCTGAAATAGAATAATTTACAGATCGGAAGAGCGGTTCAG
chr7	116435659	116435698	MET_155	-	GTGACCTATGCACCAGACGTAAGAAACAGGACAGATGAGGTGAGAGATGTGACCATACATAGATCGGAAGAGCGGTTCAG
chr7	116435891	116435930	MET_156	-	GTGACCTATGCACCAGACGTAAGAAAGACATGCTGTAAGAGACCCTTTGAAGGCAGGCATAGATCGGAAGAGCGGTTCAG
chr7	116339489	116339528	MET_157	-	GTGACCTATGCACCAGACGTGAGTTGATCATCATAGTAGGTGTCGACAACTAGAGCCATGAGATCGGAAGAGCGGTTCAG
chr7	116339889	116339928	MET_158	-	GTGACCTATGCACCAGACGTCCGTCAAGAAGTAAATAAAATTGTTGCTTTCAAAGGCATGAGATCGGAAGAGCGGTTCAG
chr12	58142258	58142297	CDK4_159	-	GTGACCTATGCACCAGACGTGGCTGCCATGGAAGGAAGAAAAGCTGCCATTTCCCTTCTGAGATCGGAAGAGCGGTTCAG
chr12	58142915	58142954	CDK4_160	-	GTGACCTATGCACCAGACGTTGGCTGTGGGCACAGGGAAAGAAATAGAGACTGGGGAAAGAGATCGGAAGAGCGGTTCAG
chr12	58143187	58143226	CDK4_161	-	GTGACCTATGCACCAGACGTAACATGGGAGAAAAAGATTTTCTATTCTGAGTCCTCTTTCAGATCGGAAGAGCGGTTCAG
chr12	58144389	58144428	CDK4_162	-	GTGACCTATGCACCAGACGTCACATACCCTGGACTACCTTGAATTCCCCAAATCGCTTGTAGATCGGAAGAGCGGTTCAG
chr12	58144656	58144695	CDK4_163	-	GTGACCTATGCACCAGACGTAGATGGTACCAAAATGGGTTCTGGTTGGGAGTAGGAGAGTAGATCGGAAGAGCGGTTCAG
chr12	58144940	58144979	CDK4_164	-	GTGACCTATGCACCAGACGTTTGGTAGGCATTGAGAGGTGGATTGGGACCTTTGTAGTAGAGATCGGAAGAGCGGTTCAG
chr12	58145233	58145272	CDK4_165	-	GTGACCTATGCACCAGACGTGGTGGAGGGTTGGGCGTGGGGAGTAAAGGGAAAAGACAGCAGATCGGAAGAGCGGTTCAG
chr11	108098453	108098492	ATM_166	-	GTGACCTATGCACCAGACGTAAAGGAAATAATAATGGGTTACTAATCACACTTATTTCAAAGATCGGAAGAGCGGTTCAG
chr11	108099855	108099894	ATM_167	-	GTGACCTATGCACCAGACGTACAAAATGCAATTTCAGAAACTCGTTGAATACTTAAATTAAGATCGGAAGAGCGGTTCAG
chr11	108106347	108106386	ATM_168	-	GTGACCTATGCACCAGACGTATAAACAAATAAAGAAAAACATAAATTTGAACAAAAATAAAGATCGGAAGAGCGGTTCAG
chr11	108115465	108115504	ATM_169	-	GTGACCTATGCACCAGACGTACAAACAAGCTCAACTGGGTATAACAGGGGGAACAAACTGAGATCGGAAGAGCGGTTCAG
chr11	108117641	108117680	ATM_170	-	GTGACCTATGCACCAGACGTAAAAATTAAAATGTAATTTTTATGTATGTACTCTGTTTACAGATCGGAAGAGCGGTTCAG
chr11	108121378	108121417	ATM_171	-	GTGACCTATGCACCAGACGTAAAAAAAGGATAATTTGAAAACTATTCCATCACATTAACAAGATCGGAAGAGCGGTTCAG
chr11	108122514	108122553	ATM_172	-	GTGACCTATGCACCAGACGTACAAAGGACAATTGTGAAAAGCAAGCTATTGGAGGGGCAAAGATCGGAAGAGCGGTTCAG
chr11	108123494	108123533	ATM_173	-	GTGACCTATGCACCAGACGTAAACAAAAAGCTTCACTTAGAAGACCAAAAGCCATGTAAAAGATCGGAAGAGCGGTTCAG
chr11	108124491	108124530	ATM_174	-	GTGACCTATGCACCAGACGTGTAAGATCTTTAATATATAAACCAAGTACCTAATGCTTTGAGATCGGAAGAGCGGTTCAG

chr11	108128158	108128197	ATM_175	-	GTGACCTATGCACCAGACGTTAGAAGGAAAAATGCAAATTCCAGTTAAAATTATAGTTTAAGATCGGAAGAGCGGTTCAG
chr11	108129663	108129702	ATM_176	-	GTGACCTATGCACCAGACGTGACAAACAAAGAACCAAGCAACAAAGAAATAAAAACAATTAGATCGGAAGAGCGGTTCAG
chr11	108137848	108137887	ATM_177	-	GTGACCTATGCACCAGACGTGAGAAACAAAGATGTTCAAGATGGCTTCTTGCAGGAGCATAGATCGGAAGAGCGGTTCAG
chr11	108139087	108139126	ATM_178	-	GTGACCTATGCACCAGACGTAAAGCACTCATTAACACTAAGAGAAGGGCACAACAGCCATAGATCGGAAGAGCGGTTCAG
chr11	108141741	108141780	ATM_179	-	GTGACCTATGCACCAGACGTAGGAGGGAAAAAAATCAGGTTTATCCACAAATCATTTACTAGATCGGAAGAGCGGTTCAG
chr11	108141928	108141967	ATM_180	-	GTGACCTATGCACCAGACGTAAAAAAAAAAAAGTTCAACTTTATAAGCTTAACAGAACACAGATCGGAAGAGCGGTTCAG
chr11	108143209	108143248	ATM_181	-	GTGACCTATGCACCAGACGTGTAAGTTTTCCAAAGTTAAATAATCATTCTGATAAAAGCAAGATCGGAAGAGCGGTTCAG
chr11	108143399	108143438	ATM_182	-	GTGACCTATGCACCAGACGTAGAACTGTGGTTAAATATGAAATAGAGAAAAATTACTCATAGATCGGAAGAGCGGTTCAG
chr11	108151672	108151711	ATM_183	-	GTGACCTATGCACCAGACGTAATTAAAAAAAAAATGTAATGTAAAATGTAAATGTTTAACAGATCGGAAGAGCGGTTCAG
chr11	108153387	108153426	ATM_184	-	GTGACCTATGCACCAGACGTCAAAAAGTCAATGTGTTAAGAAAAATGAAAAAAATAAATCAGATCGGAAGAGCGGTTCAG
chr11	108154904	108154943	ATM_185	-	GTGACCTATGCACCAGACGTAAAAATTTAAAATACAGGTTATATATAACTTTTCCAAGTAAGATCGGAAGAGCGGTTCAG
chr11	108158328	108158367	ATM_186	-	GTGACCTATGCACCAGACGTACCACAATCTCTGGTAAATTACTAATGAATAAGTGATCAAAGATCGGAAGAGCGGTTCAG
chr11	108159654	108159693	ATM_187	-	GTGACCTATGCACCAGACGTTAAGGGAAAAAATACAGTCATCGTTTTAAAAAGTTTTGTTAGATCGGAAGAGCGGTTCAG
chr11	108160279	108160318	ATM_188	-	GTGACCTATGCACCAGACGTAACAGATTTAGTAAAAACTTGTTTAATTAGATACTCGGCTAGATCGGAAGAGCGGTTCAG
chr11	108163296	108163335	ATM_189	-	GTGACCTATGCACCAGACGTGAGAAAAAAAAACAACAACAACCAGTAAGTTCTGGAAAATAGATCGGAAGAGCGGTTCAG
chr11	108165604	108165643	ATM_190	-	GTGACCTATGCACCAGACGTAAATGTAACTTGCTTTTAACACGTATTGGTTAAGCCTGTGAGATCGGAAGAGCGGTTCAG
chr11	108167964	108168003	ATM_191	-	GTGACCTATGCACCAGACGTTTTTTTAAAAATTAGTTTAAACTAGCATGAAGACAACACTAGATCGGAAGAGCGGTTCAG
chr11	108170391	108170430	ATM_192	-	GTGACCTATGCACCAGACGTAAATTCTATTTCAGTAGAGTCATAGGTAAGAGATCATACAAGATCGGAAGAGCGGTTCAG
chr11	108172325	108172364	ATM_193	-	GTGACCTATGCACCAGACGTCAATTCAAATGCCTATCAAGTACACCAGTTATTAATCTTGAGATCGGAAGAGCGGTTCAG
chr11	108173530	108173569	ATM_194	-	GTGACCTATGCACCAGACGTAGGGATTAGAAAATGTAAATAAGAGAAGTGGAAATCATTGAGATCGGAAGAGCGGTTCAG
chr11	108175352	108175391	ATM_195	-	GTGACCTATGCACCAGACGTCAAACAAATCCACCCAATAGTTTGAGTAAAAATGAGTAAAAGATCGGAAGAGCGGTTCAG
chr11	108178574	108178613	ATM_196	-	GTGACCTATGCACCAGACGTAAAATATCTCCCCTCAGTCCCAGGCATTCTTGCTTACACAAGATCGGAAGAGCGGTTCAG
chr11	108180837	108180876	ATM_197	-	GTGACCTATGCACCAGACGTATGAGATATAATGTCATTCACTTTTTTAAACTTCAATATCAGATCGGAAGAGCGGTTCAG
chr11	108183088	108183127	ATM_198	-	GTGACCTATGCACCAGACGTCAAGAACACCTCTTTTAATGAGAACATACTATTTGGAAGCAGATCGGAAGAGCGGTTCAG
chr11	108186500	108186539	ATM_199	-	GTGACCTATGCACCAGACGTGGAAACAACAAAAATTGAAGAAGGAAAAAAAATCGGTCTAAGATCGGAAGAGCGGTTCAG
chr11	108186688	108186727	ATM_200	-	GTGACCTATGCACCAGACGTAGATTGTGAAAATAGCTTTGGGTTTTACACACACATAACTAGATCGGAAGAGCGGTTCAG
chr11	108188050	108188089	ATM_201	-	GTGACCTATGCACCAGACGTGTTATTTTGTTTTTAAGTTAAGTAATCAAAGATATCAACAAGATCGGAAGAGCGGTTCAG
chr11	108190631	108190670	ATM_202	-	GTGACCTATGCACCAGACGTAGTCAAAGAAAAAAATATACTTAAAAACAGAACCCTAAGAAGATCGGAAGAGCGGTTCAG
chr11	108191978	108192017	ATM_203	-	GTGACCTATGCACCAGACGTAAAAGAAAAGACACTCTGAAAATAAAGAAGAGGTTTTCAGAGATCGGAAGAGCGGTTCAG
chr11	108195987	108196026	ATM_204	-	GTGACCTATGCACCAGACGTCGACATAGAGTTCATGTAAGCAAGAGAAATGAAAAAAAAAAGATCGGAAGAGCGGTTCAG
chr11	108196735	108196774	ATM_205	-	GTGACCTATGCACCAGACGTAATGACATATGGGAATAAATACTTTTACTACTGATACTACAGATCGGAAGAGCGGTTCAG
chr11	108198322	108198361	ATM_206	-	GTGACCTATGCACCAGACGTAAGGCAAAATCTTAAAATATAATGCATTACCATGACTGTAAGATCGGAAGAGCGGTTCAG
chr11	108199698	108199737	ATM_207	-	GTGACCTATGCACCAGACGTACACAACCAATTTAAATTATATTTACAAATACTAAATACAAGATCGGAAGAGCGGTTCAG
chr11	108200891	108200930	ATM_208	-	GTGACCTATGCACCAGACGTATAATTAAGGTAAAACACAAAAGCCATGAACTTTAACAGAAGATCGGAAGAGCGGTTCAG
chr11	108202121	108202160	ATM_209	-	GTGACCTATGCACCAGACGTAAAAAAGACACAAAATTAAGAAACAAGGTATTTCAAATATAGATCGGAAGAGCGGTTCAG
chr11	108202556	108202595	ATM_210	-	GTGACCTATGCACCAGACGTAGAACTATTAGATTTATGCAAATAAACAAAAAAATATAATAGATCGGAAGAGCGGTTCAG
chr11	108203439	108203478	ATM_211	-	GTGACCTATGCACCAGACGTAAAACAAAAAACATTACATAAGGAACTACCCAACATTTAAAGATCGGAAGAGCGGTTCAG
chr11	108204563	108204602	ATM_212	-	GTGACCTATGCACCAGACGTAAATGAAGAGATTTTAGTGACAAACTGAGGAACAGCATTGAGATCGGAAGAGCGGTTCAG
chr11	108205646	108205685	ATM_213	-	GTGACCTATGCACCAGACGTTATAAACATGATTGATAATAGGTCAGATACACTATTTGCAAGATCGGAAGAGCGGTTCAG
chr11	108206522	108206561	ATM_214	-	GTGACCTATGCACCAGACGTATTAAGCATGAATAAACAAGTACAGTTTATTTTATTATAAAGATCGGAAGAGCGGTTCAG
chr11	108213899	108213938	ATM_215	-	GTGACCTATGCACCAGACGTAGATTAAATACCTTTTAATTTTAAAAGGCCATTAAAGAGCAGATCGGAAGAGCGGTTCAG
chr11	108216420	108216459	ATM_216	-	GTGACCTATGCACCAGACGTAGAATATATATAATTATTTTTCAATATTGTGTTCAATTAAAGATCGGAAGAGCGGTTCAG
chr11	108217956	108217995	ATM_217	-	GTGACCTATGCACCAGACGTAAGAAACAAACAATCTGAAATCACTGATTCCATCTCTTTCAGATCGGAAGAGCGGTTCAG
chr11	108224443	108224482	ATM_218	-	GTGACCTATGCACCAGACGTGAATACAGTGAAGTTAGGAGGTTTGACAGCTAATTTACTTAGATCGGAAGAGCGGTTCAG
chr11	108225488	108225527	ATM_219	-	GTGACCTATGCACCAGACGTACACATTATAAATACGGATTTTGTTACACACCAATGTTGTAGATCGGAAGAGCGGTTCAG
chr11	108235759	108235798	ATM_220	-	GTGACCTATGCACCAGACGTAGAACATATGTATTAAAAGAACAATGTACATTTTAATCACAGATCGGAAGAGCGGTTCAG
chr11	108236002	108236041	ATM_221	-	GTGACCTATGCACCAGACGTAAACACAAAGGTTTCAGTGAGGTGAACAGTTTAAAGGCCTAGATCGGAAGAGCGGTTCAG
chr4	55124886	55124925	PDGFRA_222	-	GTGACCTATGCACCAGACGTAACTAGAAAAGTCAAAAGTCAACAGAAACAGCATTAGCAAAGATCGGAAGAGCGGTTCAG
chr4	55127212	55127251	PDGFRA_223	-	GTGACCTATGCACCAGACGTAAGCACGCTCTGAATAGGATGCAGTCAGAAAGGACAGTCTAGATCGGAAGAGCGGTTCAG
chr4	55129784	55129823	PDGFRA_224	-	GTGACCTATGCACCAGACGTAAAAAGAATGAAGACTCTATTAGACATTAATTTCACCTTTAGATCGGAAGAGCGGTTCAG
chr4	55131036	55131075	PDGFRA_225	-	GTGACCTATGCACCAGACGTGAACAAATACAAGGGCCTAAAAATCCACAGGATAGCCAGGAGATCGGAAGAGCGGTTCAG
chr4	55133669	55133708	PDGFRA_226	-	GTGACCTATGCACCAGACGTAAGAGTTTCCATTAAATAATGATTACCACATATGGATCCCAGATCGGAAGAGCGGTTCAG
chr4	55136750	55136789	PDGFRA_227	-	GTGACCTATGCACCAGACGTAAGGATTTTGTTTCAACAAGCAGTAGCTAAGTAAGTTCCAAGATCGGAAGAGCGGTTCAG
chr4	55138511	55138550	PDGFRA_228	-	GTGACCTATGCACCAGACGTCAGAAAGAAGTCAGAATGGAATAGCTCGTGTCCCAGAACAAGATCGGAAGAGCGGTTCAG
chr4	55139654	55139693	PDGFRA_229	-	GTGACCTATGCACCAGACGTAAAGGGCCTAAGTATAGGGCCAATTCCTGAGAGTCATGGCAGATCGGAAGAGCGGTTCAG
chr4	55140648	55140687	PDGFRA_230	-	GTGACCTATGCACCAGACGTAGAGAGAGAGGCACAATGAAAAGTTTCCTGGCAGACATGCAGATCGGAAGAGCGGTTCAG
chr4	55140958	55140997	PDGFRA_231	-	GTGACCTATGCACCAGACGTCCAGGACAGGTAACTGGTGAATTACCAAAGTCCCAGTGCAAGATCGGAAGAGCGGTTCAG
chr4	55143505	55143544	PDGFRA_232	-	GTGACCTATGCACCAGACGTGCAGAATCATTAACACCCAAAAACTCCAGACGCCTCCTCAAGATCGGAAGAGCGGTTCAG

chr4	55144013	55144052	PDGFRA_233	-	GTGACCTATGCACCAGACGTAATAAATCACATATCAGTCCAGCTGAGCTACCAACTTCCTAGATCGGAAGAGCGGTTCAG
chr4	55144479	55144518	PDGFRA_234	-	GTGACCTATGCACCAGACGTAAAAGCCGTTAGGAGATGGGTATGAAAATGAAGAACAGAAAGATCGGAAGAGCGGTTCAG
chr4	55146433	55146472	PDGFRA_235	-	GTGACCTATGCACCAGACGTAGAAAGAGAAATCTTACCCAGGGTGCCCTTCTGAAGTGGTAGATCGGAAGAGCGGTTCAG
chr4	55151488	55151527	PDGFRA_236	-	GTGACCTATGCACCAGACGTGAAATTAAATGTATTGGTGCTGGCAGGCAGCAGGAAATCAAGATCGGAAGAGCGGTTCAG
chr4	55151958	55151997	PDGFRA_237	-	GTGACCTATGCACCAGACGTAAGGAAGAAATGACTCAGGATCAAGCCATCTGTAGCTGAAAGATCGGAAGAGCGGTTCAG
chr4	55153547	55153586	PDGFRA_238	-	GTGACCTATGCACCAGACGTGGAGGGAGACAGTTAAACCCATGTCTACTCACTGATGATCAGATCGGAAGAGCGGTTCAG
chr4	55154916	55154955	PDGFRA_239	-	GTGACCTATGCACCAGACGTAACAATAAAACACCAGGACTAACAAACGCTCAGTGCATTGAGATCGGAAGAGCGGTTCAG
chr4	55155126	55155165	PDGFRA_240	-	GTGACCTATGCACCAGACGTAGAACTCAAGAGTGGGCACAGGGGGAAGTCTCAGGGCCCCAGATCGGAAGAGCGGTTCAG
chr4	55156430	55156469	PDGFRA_241	-	GTGACCTATGCACCAGACGTTCATTGAACATATTTAATCAAGTGTTAACAACCAAACCTCAGATCGGAAGAGCGGTTCAG
chr4	55161242	55161281	PDGFRA_242	-	GTGACCTATGCACCAGACGTGAGAGAAGAGCAAATATTACAACTCCTGCACAGAACTAGAAGATCGGAAGAGCGGTTCAG
chr12	69202208	69202247	MDM2_243	-	GTGACCTATGCACCAGACGTCGCGCTTGGAGTCGGGGGTCCCTCAAGACTCCCCAGTTTCAGATCGGAAGAGCGGTTCAG
chr12	69202938	69202977	MDM2_244	-	GTGACCTATGCACCAGACGTAAAAAAGACACGATGAAAACTGGAAATCATGAAACATCTGAGATCGGAAGAGCGGTTCAG
chr12	69202942	69202981	MDM2_245	-	GTGACCTATGCACCAGACGTGGAAAAAAAAGACACGATGAAAACTGGAAATCATGAAACAAGATCGGAAGAGCGGTTCAG
chr12	69207284	69207323	MDM2_246	-	GTGACCTATGCACCAGACGTAAAAGAACTGCTATTATACTTCCAAAATTATCCCAGAACTAGATCGGAAGAGCGGTTCAG
chr12	69210542	69210581	MDM2_247	-	GTGACCTATGCACCAGACGTAATATGATTTCTGAGCATTAAAGAAAACTAAATGTTAGTTAGATCGGAAGAGCGGTTCAG
chr12	69214055	69214094	MDM2_248	-	GTGACCTATGCACCAGACGTGAAAAAAAAAAAAATAACAAGAGATGTACATTTTAGAATAAAGATCGGAAGAGCGGTTCAG
chr12	69218285	69218324	MDM2_249	-	GTGACCTATGCACCAGACGTAGGAAAAAAATAAAATACAACAAACTTAACATAACCAGTAAGATCGGAAGAGCGGTTCAG
chr12	69222501	69222540	MDM2_250	-	GTGACCTATGCACCAGACGTAAGGAAAAAAAATAAATTGCTGTACTGTGATTTAGAAAATAGATCGGAAGAGCGGTTCAG
chr12	69229559	69229598	MDM2_251	-	GTGACCTATGCACCAGACGTAAAAAAATATATAACTTAATAAACATCACCTCTTGACCTCAGATCGGAAGAGCGGTTCAG
chr12	69230402	69230441	MDM2_252	-	GTGACCTATGCACCAGACGTACATTCATTAGCATCAATTCATCGCCCTATTTCCTTCAATAGATCGGAAGAGCGGTTCAG
chr12	69233004	69233043	MDM2_253	-	GTGACCTATGCACCAGACGTATAAGACACACAGTCAGTTTCTGTAACCCTTTAACTGCTCAGATCGGAAGAGCGGTTCAG
chr12	69233292	69233331	MDM2_254	-	GTGACCTATGCACCAGACGTTCTTCACTTTCTTGTGATTGTGAAGCTTGTGTAATTTTATAGATCGGAAGAGCGGTTCAG
chr5	112090538	112090577	APC_255	-	GTGACCTATGCACCAGACGTCCTTGGACCTATAAGGTTAAAAAGGATTTTGAAATTCACTAGATCGGAAGAGCGGTTCAG
chr5	112101973	112102012	APC_256	-	GTGACCTATGCACCAGACGTGAACACAATATATTAACATGAAATTCTAAATAACTTCAAGAGATCGGAAGAGCGGTTCAG
chr5	112102836	112102875	APC_257	-	GTGACCTATGCACCAGACGTTAGAAACAAGTTTTTATACAACAATTGCTTTAAGCAGTCTAGATCGGAAGAGCGGTTCAG
chr5	112116437	112116476	APC_258	-	GTGACCTATGCACCAGACGTAAATAATAAAAAAGTATCAATATCTTGTATTTACGTTAATAGATCGGAAGAGCGGTTCAG
chr5	112136926	112136965	APC_259	-	GTGACCTATGCACCAGACGTGGAGTTAACATCAGTACATGCAAAAATGGTGTAGGCTTTCAGATCGGAAGAGCGGTTCAG
chr5	112151142	112151181	APC_260	-	GTGACCTATGCACCAGACGTAGCACATTATAGATGGTATAATTTAGACTATAGGTAAATAAGATCGGAAGAGCGGTTCAG
chr5	112154613	112154652	APC_261	-	GTGACCTATGCACCAGACGTAATGAGTTTAGAAACAAAATTACGACTTTAATATCCAAAAAGATCGGAAGAGCGGTTCAG
chr5	112157543	112157582	APC_262	-	GTGACCTATGCACCAGACGTAAATCAACATAAACCATAATGCTTTGTTATTTGAAGAGCAAGATCGGAAGAGCGGTTCAG
chr5	112162755	112162794	APC_263	-	GTGACCTATGCACCAGACGTAAGGGCAAGAGGAAAAAGACAATCATCTAAAATAAAACAAAGATCGGAAGAGCGGTTCAG
chr5	112163576	112163615	APC_264	-	GTGACCTATGCACCAGACGTAATACAGAATAGAGGATCATTAAAAAGACAACTTGAAGCCAGATCGGAAGAGCGGTTCAG
chr5	112164503	112164542	APC_265	-	GTGACCTATGCACCAGACGTATCAATTTTAGATTAATTTATACATAAAATCATACTAGTTAGATCGGAAGAGCGGTTCAG
chr5	112170598	112170637	APC_266	-	GTGACCTATGCACCAGACGTACAGAATATGGGTCATCTAATTAGAGTTGGAATTTGTCTCAGATCGGAAGAGCGGTTCAG
chr5	112173200	112173239	APC_267	-	GTGACCTATGCACCAGACGTATCAAGAGATCACAAAATTAAGGTCACAATGTGTATGCAGAGATCGGAAGAGCGGTTCAG
chr5	112173670	112173709	APC_268	-	GTGACCTATGCACCAGACGTATGTCGATTGGTGTCAAAAACATAATCACCATAGAGACTTAGATCGGAAGAGCGGTTCAG
chr5	112174140	112174179	APC_269	-	GTGACCTATGCACCAGACGTCTATCATTTGAAGATCTCTTGTATTCTAATTTGGCATAAGAGATCGGAAGAGCGGTTCAG
chr5	112174610	112174649	APC_270	-	GTGACCTATGCACCAGACGTCATGATTAGAACCCACTCGATTTGTTTCTGAACCATTGGCAGATCGGAAGAGCGGTTCAG
chr5	112175080	112175119	APC_271	-	GTGACCTATGCACCAGACGTTGAACTACATCTTGAAAAACATATTGGAGTATCTTCTACAAGATCGGAAGAGCGGTTCAG
chr5	112175550	112175589	APC_272	-	GTGACCTATGCACCAGACGTGGTGGCATGGTTTGTCCAGGGCTATCTGGAAGATCACTGGAGATCGGAAGAGCGGTTCAG
chr5	112176020	112176059	APC_273	-	GTGACCTATGCACCAGACGTTACGTGATGACTTTGTTGGCATGGCAGAAATAATACATTCAGATCGGAAGAGCGGTTCAG
chr5	112176490	112176529	APC_274	-	GTGACCTATGCACCAGACGTTATCTTTTTCACACGGAAAGGCTTGTGACTTTTCCCTTTGAGATCGGAAGAGCGGTTCAG
chr5	112176960	112176999	APC_275	-	GTGACCTATGCACCAGACGTTTGGAGGTTAGTTCTGTGTGGCTGGTAACTTTAGCCTCTGAGATCGGAAGAGCGGTTCAG
chr5	112177430	112177469	APC_276	-	GTGACCTATGCACCAGACGTTATCACCCTTGAGTCTTGAAGGCTTTTTCTTTTTTGGCATAGATCGGAAGAGCGGTTCAG
chr5	112177900	112177939	APC_277	-	GTGACCTATGCACCAGACGTGGGCTGTTTCATTTGGCCTGAAATTTCTGAATTAGATCGAAGATCGGAAGAGCGGTTCAG
chr5	112178370	112178409	APC_278	-	GTGACCTATGCACCAGACGTATCTGTCTACCTGGAGATGTATATGACATTTTTCCAGAACAGATCGGAAGAGCGGTTCAG
chr5	112178840	112178879	APC_279	-	GTGACCTATGCACCAGACGTGTGCAATATCATGGCGCTTTGCTGGTCTTCCATCATTATAAGATCGGAAGAGCGGTTCAG
chr5	112179310	112179349	APC_280	-	GTGACCTATGCACCAGACGTAACACTGTCAATCACCGGGGGAGTATTACCTGTGGGAGATAGATCGGAAGAGCGGTTCAG
chr22	41488959	41488998	EP300_281	-	GTGACCTATGCACCAGACGTTTCGGAGATACAAGCGAGGAAAACCAGAATCCTCAGGAAAAGATCGGAAGAGCGGTTCAG
chr22	41513141	41513180	EP300_282	-	GTGACCTATGCACCAGACGTAGGGAAAAGACAAAGGTCAAAGTATGACAAAACCAAAATAAGATCGGAAGAGCGGTTCAG
chr22	41521818	41521857	EP300_283	-	GTGACCTATGCACCAGACGTGAAACAAAAGAAAACAAAATAAGCAATAAAATTTAAGACAAGATCGGAAGAGCGGTTCAG
chr22	41523441	41523480	EP300_284	-	GTGACCTATGCACCAGACGTTAACAATATATTTAATGGTAGGAGTCATAATGTGCTATTTAGATCGGAAGAGCGGTTCAG
chr22	41525844	41525883	EP300_285	-	GTGACCTATGCACCAGACGTGAAAACATATTTTTTCAAGAGCAGGTTAATGTTTTTACATAGATCGGAAGAGCGGTTCAG
chr22	41527342	41527381	EP300_286	-	GTGACCTATGCACCAGACGTCAAAAGATATAGTATTACAAATTAATGCTGGTGAGAAAAAAGATCGGAAGAGCGGTTCAG
chr22	41531767	41531806	EP300_287	-	GTGACCTATGCACCAGACGTATGAAATAACAGGAGACAGAAATAAATACAACAGCCACCAAGATCGGAAGAGCGGTTCAG
chr22	41533607	41533646	EP300_288	-	GTGACCTATGCACCAGACGTGGGTCACCAAATAGTTTTAGTGAAGAAAGGTAGGAGAAGAAGATCGGAAGAGCGGTTCAG
chr22	41536094	41536133	EP300_289	-	GTGACCTATGCACCAGACGTAAAATCCTACCACTGTAATATCATGTCAGCATTTAATTAGAGATCGGAAGAGCGGTTCAG
chr22	41537002	41537041	EP300_290	-	GTGACCTATGCACCAGACGTGTTGAAGTAAAATAAGGGAGATGAGGAAAAAAGGAACTACAGATCGGAAGAGCGGTTCAG

chr22	41542693	41542732	EP300_291	-	GTGACCTATGCACCAGACGTAAAGAGAAATAAGTATCTTTGCACCATCTTCCCTTAACCAAGATCGGAAGAGCGGTTCAG
chr22	41543791	41543830	EP300_292	-	GTGACCTATGCACCAGACGTGAGCAAAATGTTAGATCTGAATGCCTTTGTGAAATTGAATAGATCGGAAGAGCGGTTCAG
chr22	41544992	41545031	EP300_293	-	GTGACCTATGCACCAGACGTAAAAAAACACAAATCACCAAACTGCTTCATTATAGTTATTAGATCGGAAGAGCGGTTCAG
chr22	41545715	41545754	EP300_294	-	GTGACCTATGCACCAGACGTAAAAAACATAACAAGACAGCAATTCAGAACAGAATTAAGGAGATCGGAAGAGCGGTTCAG
chr22	41547787	41547826	EP300_295	-	GTGACCTATGCACCAGACGTAAAAAAGGGAAGTAGGTGAGACACACGCAGAGTCTGCCAAAGATCGGAAGAGCGGTTCAG
chr22	41548160	41548199	EP300_296	-	GTGACCTATGCACCAGACGTACGTAAGAATTTTTAGTATTCCAAAGATATCTAGTTGGGAAGATCGGAAGAGCGGTTCAG
chr22	41550949	41550988	EP300_297	-	GTGACCTATGCACCAGACGTAAAAGTGCATTTGAAATTAGTTACCAATTAAGCAGAAGAAAGATCGGAAGAGCGGTTCAG
chr22	41553123	41553162	EP300_298	-	GTGACCTATGCACCAGACGTAAGTGACATCAAACATTACTCAAGTCTCACTATTTTTACGAGATCGGAAGAGCGGTTCAG
chr22	41554366	41554405	EP300_299	-	GTGACCTATGCACCAGACGTAACCATTTGTTAAAAAGCACAGAGGCCTTAAGGACAAGCTAGATCGGAAGAGCGGTTCAG
chr22	41556596	41556635	EP300_300	-	GTGACCTATGCACCAGACGTGAAGGCCATACTGGGGTGAACTGTTCCGTTCACACAACACAGATCGGAAGAGCGGTTCAG
chr22	41558677	41558716	EP300_301	-	GTGACCTATGCACCAGACGTAAAAGGGACACAATGAGAAAAAGTGATAGAGATGAGCAATAGATCGGAAGAGCGGTTCAG
chr22	41560007	41560046	EP300_302	-	GTGACCTATGCACCAGACGTAGAGCCAATTCCAAAATTAACCCCAAACCTTAACCAAATGAGATCGGAAGAGCGGTTCAG
chr22	41562553	41562592	EP300_303	-	GTGACCTATGCACCAGACGTACCAAAACTTTGCTTACACAACTTAGATAAACCGTTGAATAGATCGGAAGAGCGGTTCAG
chr22	41564403	41564442	EP300_304	-	GTGACCTATGCACCAGACGTAAAAGTTAAAAGTTACTGAGGTGCAAATTTACTGTTGTTAAGATCGGAAGAGCGGTTCAG
chr22	41564675	41564714	EP300_305	-	GTGACCTATGCACCAGACGTGAGATGGTGGGGGAACCACAACATAACTCATTCAGACTGGAGATCGGAAGAGCGGTTCAG
chr22	41565457	41565496	EP300_306	-	GTGACCTATGCACCAGACGTTGAAGAGAAATGAAGAGGAAAAAAAAAGTCAGGTCACATAAGATCGGAAGAGCGGTTCAG
chr22	41566360	41566399	EP300_307	-	GTGACCTATGCACCAGACGTAAAGAGAAAGAACATTAAGGAAAAGAGATAATCTATTCTAAGATCGGAAGAGCGGTTCAG
chr22	41568453	41568492	EP300_308	-	GTGACCTATGCACCAGACGTATGCATGTACATATAGGAATTTCTATGTTCTTTTAAAGCAAGATCGGAAGAGCGGTTCAG
chr22	41569577	41569616	EP300_309	-	GTGACCTATGCACCAGACGTGCACAAAGGAGACAAGAAAATAAGGTTTTTGTTAAGTAATAGATCGGAAGAGCGGTTCAG
chr22	41572727	41572766	EP300_310	-	GTGACCTATGCACCAGACGTAACAGGAGGTGCACGTAAACTCTCCAAGATTTAAGTCATTAGATCGGAAGAGCGGTTCAG
chr22	41513458	41513497	EP300_311	-	GTGACCTATGCACCAGACGTGGAGAAGTCAAGCCTGCCTGTGTCATTGGGCTTTTGACCAAGATCGGAAGAGCGGTTCAG
chr22	41573164	41573203	EP300_312	-	GTGACCTATGCACCAGACGTTGCGAAGCATTTGGGCCTGCTGTAGTCGGTGCTGCAGCTGAGATCGGAAGAGCGGTTCAG
chr22	41573601	41573640	EP300_313	-	GTGACCTATGCACCAGACGTACCTCTGGTCATGGGAGGTGGGTTCATACCCATGGGGGCCAGATCGGAAGAGCGGTTCAG
chr22	41574038	41574077	EP300_314	-	GTGACCTATGCACCAGACGTTGACCTGGCATGGTAGGTGGCTGTAGCCCTGGCTGCCCCTAGATCGGAAGAGCGGTTCAG
chr22	41574475	41574514	EP300_315	-	GTGACCTATGCACCAGACGTGCTGAAGGAGTCGCTGCTGATAGGCCTGTAGACTGGCACCAGATCGGAAGAGCGGTTCAG
chr19	45854837	45854876	ERCC2_316	-	GTGACCTATGCACCAGACGTTGGGGCCATAAACGGTTCCTGGTGACTCCTGAGTCTTGCCAGATCGGAAGAGCGGTTCAG
chr19	45855417	45855456	ERCC2_317	-	GTGACCTATGCACCAGACGTCGTCCCCCTCCCGGCACCCTCCCAGGCTGAGCTTCTCCTCAGATCGGAAGAGCGGTTCAG
chr19	45855714	45855753	ERCC2_318	-	GTGACCTATGCACCAGACGTAGGGGTGCCCCTGTGCTCCCATCCCAGGCTCCAAGAACCAAGATCGGAAGAGCGGTTCAG
chr19	45855954	45855993	ERCC2_319	-	GTGACCTATGCACCAGACGTCTGTCTCCCAGGGAGTCCCACAGTGTTAGGATCAAGGGAGAGATCGGAAGAGCGGTTCAG
chr19	45856291	45856330	ERCC2_320	-	GTGACCTATGCACCAGACGTTGGGCTCTTCCTCCCCAGGTGTCTTCCCAGAGCTCTCTGGAGATCGGAAGAGCGGTTCAG
chr19	45856450	45856489	ERCC2_321	-	GTGACCTATGCACCAGACGTGAGGCCAGCGTGGAGAGGGGTCGGGGAGGTGGCTCTGAGGAGATCGGAAGAGCGGTTCAG
chr19	45857938	45857977	ERCC2_322	-	GTGACCTATGCACCAGACGTCCACCCCCTCCCTGCACCTGCTCTCCTCAGTCCCTGGCACAGATCGGAAGAGCGGTTCAG
chr19	45860478	45860517	ERCC2_323	-	GTGACCTATGCACCAGACGTGAGGCTAGGGCTGGGGCCGGGAGGGGAGATGGGGGCAAGGAGATCGGAAGAGCGGTTCAG
chr19	45860682	45860721	ERCC2_324	-	GTGACCTATGCACCAGACGTTTCCCCGTCCCCTCCTAGTCCCTGACCTCCCTCCATGGGCAGATCGGAAGAGCGGTTCAG
chr19	45860838	45860877	ERCC2_325	-	GTGACCTATGCACCAGACGTGCCCGGTGAGGGTGTGAATGCTCTGTGGGTCGGGGGCCCAAGATCGGAAGAGCGGTTCAG
chr19	45864732	45864771	ERCC2_326	-	GTGACCTATGCACCAGACGTCTTTTTCTGTCCCTGCTGGGCCTCCTAGCAGCTGGAATCAAGATCGGAAGAGCGGTTCAG
chr19	45866951	45866990	ERCC2_327	-	GTGACCTATGCACCAGACGTAGACAGCGCGCGGGGTGGGGGCCCGGCAGGTCCCGGTTATAGATCGGAAGAGCGGTTCAG
chr19	45867194	45867233	ERCC2_328	-	GTGACCTATGCACCAGACGTACCCCCCGCTGCCCCCCAGTCCCTTTCCCGCCTCCCCGTCAGATCGGAAGAGCGGTTCAG
chr19	45867443	45867482	ERCC2_329	-	GTGACCTATGCACCAGACGTGGACGTCTGGCGGTGGTGCCCGCCCTGCCCCTGGGACCCTAGATCGGAAGAGCGGTTCAG
chr19	45867632	45867671	ERCC2_330	-	GTGACCTATGCACCAGACGTCGCCAGGGGCCAAAGGGATGCCAGCCCCTCTGAGTGAGGCAGATCGGAAGAGCGGTTCAG
chr19	45868250	45868289	ERCC2_331	-	GTGACCTATGCACCAGACGTGGCAGGGCTGAGGGAGGGAGGCAGGACAGGTAGCCTGGGGAGATCGGAAGAGCGGTTCAG
chr19	45871838	45871877	ERCC2_332	-	GTGACCTATGCACCAGACGTGTTCCTTCTCCTTGCCCTTAGCCCAGAGGTAGAGAAAACTAGATCGGAAGAGCGGTTCAG
chr19	45872138	45872177	ERCC2_333	-	GTGACCTATGCACCAGACGTACTCATCCTGGTGCTCCAGCCCCACTGTTCCCTAGGCCCTAGATCGGAAGAGCGGTTCAG
chr19	45872278	45872317	ERCC2_334	-	GTGACCTATGCACCAGACGTCGCTGAACCCGTAAAGGCAGACAAAGGAAGGGGCGGGACAAGATCGGAAGAGCGGTTCAG
chr19	45873341	45873380	ERCC2_335	-	GTGACCTATGCACCAGACGTGGTGGGCCCGACCCGCCCACTCGACCGGTGGGGCTGCCACAGATCGGAAGAGCGGTTCAG
chr19	45873744	45873783	ERCC2_336	-	GTGACCTATGCACCAGACGTGGCTGGGGGTCGCGCTCGCTAGCGGGCGCGGGGGGTCTTGAGATCGGAAGAGCGGTTCAG
chr12	25362679	25362718	KRAS_337	-	GTGACCTATGCACCAGACGTTACTTTTTTCTTAAGGCATACTAGTACAAGTGGTAATTTTAGATCGGAAGAGCGGTTCAG
chr12	25368325	25368364	KRAS_338	-	GTGACCTATGCACCAGACGTTTAAGTTCAGCACATTAATTTTGGCAGAAAGCAGATGTCTAGATCGGAAGAGCGGTTCAG
chr12	25378498	25378537	KRAS_339	-	GTGACCTATGCACCAGACGTCTGAAATAAATACAGATCTGTTTTCTGCAAAATCATAACTAGATCGGAAGAGCGGTTCAG
chr12	25380118	25380157	KRAS_340	-	GTGACCTATGCACCAGACGTATTGAATATAATAAGCTGACATTAAGGAGTAATTATAGTTAGATCGGAAGAGCGGTTCAG
chr12	25398158	25398197	KRAS_341	-	GTGACCTATGCACCAGACGTTTTTAATATGCATATTACTGGTGCAGGACCATTCTTTGATAGATCGGAAGAGCGGTTCAG
chr7	106507957	106507996	PIK3CG_342	-	GTGACCTATGCACCAGACGTACCTGGGAGCGGAGGGACACAGGGATTTGTCACAAGAAAGAGATCGGAAGAGCGGTTCAG
chr7	106512932	106512971	PIK3CG_343	-	GTGACCTATGCACCAGACGTAACACATTGGCATTTGTAGGACTGTACTCTATGTCGTTGAAGATCGGAAGAGCGGTTCAG
chr7	106513108	106513147	PIK3CG_344	-	GTGACCTATGCACCAGACGTGTACAAGAAAGTTGAAATTATTATGACTAATGCTTTAGGTAGATCGGAAGAGCGGTTCAG
chr7	106515095	106515134	PIK3CG_345	-	GTGACCTATGCACCAGACGTCAAAAGTACACAAGAGTTATGTGAGTTCCAGAAATCATCAAGATCGGAAGAGCGGTTCAG
chr7	106519914	106519953	PIK3CG_346	-	GTGACCTATGCACCAGACGTGCAGTCACATATTCCCCACACACAATGAATAACGAATATAAGATCGGAAGAGCGGTTCAG
chr7	106523428	106523467	PIK3CG_347	-	GTGACCTATGCACCAGACGTATGCACAGAGTCTGATGGAGATTGGGGGCCAGTACCTGGCAGATCGGAAGAGCGGTTCAG
chr7	106524550	106524589	PIK3CG_348	-	GTGACCTATGCACCAGACGTTGCATTTGAATATTAGTTGTCTTCTAACTACAAAAAGCATAGATCGGAAGAGCGGTTCAG

chr7	106526530	106526569	PIK3CG_349	-	GTGACCTATGCACCAGACGTGAAAGTATCTGACATCATTACAGTGGCACAGCACTTTGTTAGATCGGAAGAGCGGTTCAG
chr7	106545504	106545543	PIK3CG_350	-	GTGACCTATGCACCAGACGTAAGAAGAAAATGCTGTTACTGTTGTTATGGTAACTAACAAAGATCGGAAGAGCGGTTCAG
chr7	106508456	106508495	PIK3CG_351	-	GTGACCTATGCACCAGACGTAGTGACGTCATAGCCAATCAGCGCCGTGAGCTGCCGCTGGAGATCGGAAGAGCGGTTCAG
chr7	106508955	106508994	PIK3CG_352	-	GTGACCTATGCACCAGACGTTGCAGTCATCCACCAGTGGCCACTCTTCCTTCCTCACCTCAGATCGGAAGAGCGGTTCAG
chr7	106509454	106509493	PIK3CG_353	-	GTGACCTATGCACCAGACGTCTTCCTTGGTCTTCTCCCTTCCCAGATATCTGCCACATGTAGATCGGAAGAGCGGTTCAG
chr17	41197645	41197684	BRCA1_354	-	GTGACCTATGCACCAGACGTCCACAGGTACAGAGCCACAGGACCCCAAGAATGAGCTTACAGATCGGAAGAGCGGTTCAG
chr17	41201088	41201127	BRCA1_355	-	GTGACCTATGCACCAGACGTGGTGCCCTGTCAGAGAGGGAGGACACAATATTCTCTCCTGAGATCGGAAGAGCGGTTCAG
chr17	41203030	41203069	BRCA1_356	-	GTGACCTATGCACCAGACGTGGGAGAACCCCAGAGTTCCAGCACCAGCCTTTGTCTTACAAGATCGGAAGAGCGGTTCAG
chr17	41209019	41209058	BRCA1_357	-	GTGACCTATGCACCAGACGTCTCCCTCAAGTTGACAAAAATCTCACCCCACCACTCTGTAAGATCGGAAGAGCGGTTCAG
chr17	41215300	41215339	BRCA1_358	-	GTGACCTATGCACCAGACGTGATGTTACAAACTAACCAGAGATATTCATTCAGTCATATAAGATCGGAAGAGCGGTTCAG
chr17	41215841	41215880	BRCA1_359	-	GTGACCTATGCACCAGACGTTACTATTTCTCCCCTCCTCCCTTTAACACCTCAGAATTGCAGATCGGAAGAGCGGTTCAG
chr17	41219575	41219614	BRCA1_360	-	GTGACCTATGCACCAGACGTAACCTTTACAGAATACCTTGCATCTGCTGCATAAAACCACAGATCGGAAGAGCGGTTCAG
chr17	41222895	41222934	BRCA1_361	-	GTGACCTATGCACCAGACGTCCATATGTATCTCCCTAATGACTAAGACTTAACAACATTCAGATCGGAAGAGCGGTTCAG
chr17	41226298	41226337	BRCA1_362	-	GTGACCTATGCACCAGACGTATCTGCTGTATTGGAACAAACACTTTGATTTTACTCTGAAAGATCGGAAGAGCGGTTCAG
chr17	41228455	41228494	BRCA1_363	-	GTGACCTATGCACCAGACGTTCAATGTAAAGATGCTGTGGTATCTGACATCTTTATTTATAGATCGGAAGAGCGGTTCAG
chr17	41234371	41234410	BRCA1_364	-	GTGACCTATGCACCAGACGTTTGGCCAAACACTGATATCTTAAGCAAAATTCTTTCCTTCAGATCGGAAGAGCGGTTCAG
chr17	41242911	41242950	BRCA1_365	-	GTGACCTATGCACCAGACGTTGTGTGTGTGTGCACATGCGTGTGTGTGGTGTCCTTTGCAAGATCGGAAGAGCGGTTCAG
chr17	41243402	41243441	BRCA1_366	-	GTGACCTATGCACCAGACGTCAGGTTTTTGTGTTTGCCCCAGTCTATTTATAGAAGTGAGAGATCGGAAGAGCGGTTCAG
chr17	41247813	41247852	BRCA1_367	-	GTGACCTATGCACCAGACGTAGTTTGCCAACTTAACAGGCACTGAAAAGAGAGTGGGTAGAGATCGGAAGAGCGGTTCAG
chr17	41249211	41249250	BRCA1_368	-	GTGACCTATGCACCAGACGTGAGAACCTTTGTCTATGAAGCTGGTATTTTCCTATTTAGTAGATCGGAAGAGCGGTTCAG
chr17	41251742	41251781	BRCA1_369	-	GTGACCTATGCACCAGACGTCAGGTTTTTTAAGTATTTAATAATAATTGCTGGATTCCTTAGATCGGAAGAGCGGTTCAG
chr17	41256835	41256874	BRCA1_370	-	GTGACCTATGCACCAGACGTAATATCCCAAGAATGACACTCAAGTGCTGTCCATGAAAACAGATCGGAAGAGCGGTTCAG
chr17	41258423	41258462	BRCA1_371	-	GTGACCTATGCACCAGACGTTGGTAATGATGCTAGGTTGGAAGCAACCACAGTAGGAAAAAGATCGGAAGAGCGGTTCAG
chr17	41267693	41267732	BRCA1_372	-	GTGACCTATGCACCAGACGTATGTGTTATGTGGCTCCATTATTAGCTTTTGTTTTTGTCCAGATCGGAAGAGCGGTTCAG
chr17	41275984	41276023	BRCA1_373	-	GTGACCTATGCACCAGACGTACAAGAGTGTATTAATTTGGGATTCCTATGATTATCTCCTAGATCGGAAGAGCGGTTCAG
chr17	41243860	41243899	BRCA1_374	-	GTGACCTATGCACCAGACGTTCTAGTGAGGATGAAGAGCTTCCCTGCTTCCAACACTTGTAGATCGGAAGAGCGGTTCAG
chr17	41243891	41243930	BRCA1_375	-	GTGACCTATGCACCAGACGTCAAGAAATTAGAGTCCTCAGAAGAGAACTTATCTAGTGAGAGATCGGAAGAGCGGTTCAG
chr17	41244318	41244357	BRCA1_376	-	GTGACCTATGCACCAGACGTGTGATGAAAACATTCAAGCAGAACTAGGTAGAAACAGAGGAGATCGGAAGAGCGGTTCAG
chr17	41244380	41244419	BRCA1_377	-	GTGACCTATGCACCAGACGTTATTAATGAAGTAGGTTCCAGTACTAATGAAGTGGGCTCCAGATCGGAAGAGCGGTTCAG
chr17	41244776	41244815	BRCA1_378	-	GTGACCTATGCACCAGACGTAAAGAATGAGTCTAATATCAAGCCTGTACAGACAGTTAATAGATCGGAAGAGCGGTTCAG
chr17	41244869	41244908	BRCA1_379	-	GTGACCTATGCACCAGACGTGGAATGTGCAACATTCTCTGCCCACTCTGGGTCCTTAAAGAGATCGGAAGAGCGGTTCAG
chr17	41245234	41245273	BRCA1_380	-	GTGACCTATGCACCAGACGTCAAACTGAAAGATCTGTAGAGAGTAGCAGTATTTCATTGGAGATCGGAAGAGCGGTTCAG
chr17	41245358	41245397	BRCA1_381	-	GTGACCTATGCACCAGACGTACTTAAAGAATTTGTCAATCCTAGCCTTCCAAGAGAAGAAAGATCGGAAGAGCGGTTCAG
chr17	41245692	41245731	BRCA1_382	-	GTGACCTATGCACCAGACGTCTAAAAAGAATAGGCTGAGGAGGAAGTCTTCTACCAGGCAAGATCGGAAGAGCGGTTCAG
chr17	41245847	41245886	BRCA1_383	-	GTGACCTATGCACCAGACGTGAATAAAACAAAAGGTGATTCTATTCAGAATGAGAAAAATAGATCGGAAGAGCGGTTCAG
chr17	41246150	41246189	BRCA1_384	-	GTGACCTATGCACCAGACGTGAGTAATATTGAAGACAAAATATTTGGGAAAACCTATCGGAGATCGGAAGAGCGGTTCAG
chr17	41246336	41246375	BRCA1_385	-	GTGACCTATGCACCAGACGTACTGTTAGGTTCTGATGACTCACATGATGGGGAGTCTGAAAGATCGGAAGAGCGGTTCAG
chr19	1206863	1206902	STK11_386	-	GTGACCTATGCACCAGACGTGGGTCCTGGAGTCCCGCCGCCAGCCCTGAGTCCGCGGGTGAGATCGGAAGAGCGGTTCAG
chr19	1218366	1218405	STK11_387	-	GTGACCTATGCACCAGACGTGAGGACAGGGGTGTATCAGCCGACCCAACGTCAGGATGATAGATCGGAAGAGCGGTTCAG
chr19	1219273	1219312	STK11_388	-	GTGACCTATGCACCAGACGTAAGGACACACAGCTCAGGGGGCGGCCCCACTCACAGGCCCAGATCGGAAGAGCGGTTCAG
chr19	1220322	1220361	STK11_389	-	GTGACCTATGCACCAGACGTCACACACCCGTCCTGGGGCCGAGGCCTCCCTGCCCCTCACAGATCGGAAGAGCGGTTCAG
chr19	1220530	1220569	STK11_390	-	GTGACCTATGCACCAGACGTGCCGTGCAGCCCTCAGGGAGTGCCCGGGAGGGGGCGCCCCAGATCGGAAGAGCGGTTCAG
chr19	1221162	1221201	STK11_391	-	GTGACCTATGCACCAGACGTAGGGGAGGGAAGAAAGGCGTGGTCAGTCAAGGTGGTTGACAGATCGGAAGAGCGGTTCAG
chr19	1221898	1221937	STK11_392	-	GTGACCTATGCACCAGACGTGCCGGCGAGGAGCCTGTCAGCTGGGCACAGGCCTGAGACCAGATCGGAAGAGCGGTTCAG
chr19	1222934	1222973	STK11_393	-	GTGACCTATGCACCAGACGTCCAGAAGCAGTGGCGCCTGTCAGGCTGGCACCAGGGCGGTAGATCGGAAGAGCGGTTCAG
chr19	1226403	1226442	STK11_394	-	GTGACCTATGCACCAGACGTGACGGCAAGTGTGGCCTGAGCTGAGGGGCGCAACCCCAGAAGATCGGAAGAGCGGTTCAG
chr13	32890548	32890587	BRCA2_395	-	GTGACCTATGCACCAGACGTGATATTCCTCCAATGCTTGGTAAATAAGTCTGCAAAACAGAGATCGGAAGAGCGGTTCAG
chr13	32893164	32893203	BRCA2_396	-	GTGACCTATGCACCAGACGTAAAAAATCCCACCTTAGTTTTAACCAGTGACAGACAAATTAGATCGGAAGAGCGGTTCAG
chr13	32900188	32900227	BRCA2_397	-	GTGACCTATGCACCAGACGTACAAAGCAAATCCCTTAGGTTATTTTAAAAAACTGGCAAAAGATCGGAAGAGCGGTTCAG
chr13	32900329	32900368	BRCA2_398	-	GTGACCTATGCACCAGACGTAAAAAGGGGAAAATTGTTAAGTTTTATTTTTATTAACATTAGATCGGAAGAGCGGTTCAG
chr13	32900586	32900625	BRCA2_399	-	GTGACCTATGCACCAGACGTAGAAAATAGTTTATTTTTTATAGAAATGCCCTGATCATTAAGATCGGAAGAGCGGTTCAG
chr13	32903530	32903569	BRCA2_400	-	GTGACCTATGCACCAGACGTAAAATTTATGTGTATTGTATATTATCACTAGAATGCAAAAAGATCGGAAGAGCGGTTCAG
chr13	32905006	32905045	BRCA2_401	-	GTGACCTATGCACCAGACGTTATAGTTTAAAATCACTAGTATAAAAACTCTCAATGCACAAGATCGGAAGAGCGGTTCAG
chr13	32906359	32906398	BRCA2_402	-	GTGACCTATGCACCAGACGTATAAAACAGAAGCACATTAATATTTTATAAGCCATATAATAGATCGGAAGAGCGGTTCAG
chr13	32910352	32910391	BRCA2_403	-	GTGACCTATGCACCAGACGTAAACACAAAGTGACAAAATTAAAGTACCATCAATCACATTAGATCGGAAGAGCGGTTCAG
chr13	32918645	32918684	BRCA2_404	-	GTGACCTATGCACCAGACGTATATTTCATATATGTTTTTAAGGCAAATAATATCAGTTTTAGATCGGAAGAGCGGTTCAG
chr13	32920914	32920953	BRCA2_405	-	GTGACCTATGCACCAGACGTATTATTTTATATTACATATTAGTTAAAATCTAAGAGAATAAGATCGGAAGAGCGGTTCAG
chr13	32928948	32928987	BRCA2_406	-	GTGACCTATGCACCAGACGTGAGAAAATATATAAGTTTATTGACTAGTACACATATAAATAGATCGGAAGAGCGGTTCAG

chr13	32930515	32930554	BRCA2_407	-	GTGACCTATGCACCAGACGTATAAATACTTAGCAAAAATAAAATTGAAATTTAAAAAGCAAGATCGGAAGAGCGGTTCAG
chr13	32931829	32931868	BRCA2_408	-	GTGACCTATGCACCAGACGTTAAACACACACAAAAAAGAAAAACAATTTAAAGTAAACATAGATCGGAAGAGCGGTTCAG
chr13	32936610	32936649	BRCA2_409	-	GTGACCTATGCACCAGACGTAAAAGTAGAATATTATCATAAAAACCACATAGGATGATACAGATCGGAAGAGCGGTTCAG
chr13	32937266	32937305	BRCA2_410	-	GTGACCTATGCACCAGACGTAAACAAAAATGCATATTTTAGGAAGTGTGACTCTAGAATTAGATCGGAAGAGCGGTTCAG
chr13	32944489	32944528	BRCA2_411	-	GTGACCTATGCACCAGACGTTAATAAATATATTGATTTAGTAGTTAAATATGTATTCAATAGATCGGAAGAGCGGTTCAG
chr13	32945043	32945082	BRCA2_412	-	GTGACCTATGCACCAGACGTGTGTTACACACACCAAAAAAGTCACATATATAACATTCAAAGATCGGAAGAGCGGTTCAG
chr13	32950757	32950796	BRCA2_413	-	GTGACCTATGCACCAGACGTAAAAGGATTATTAATTCACTAAACTGTAAATTCAAAAGCAAGATCGGAAGAGCGGTTCAG
chr13	32953404	32953443	BRCA2_414	-	GTGACCTATGCACCAGACGTTTAAGATATTGGAATAAAAAGCAATCAGAACAAAAAAGTTAGATCGGAAGAGCGGTTCAG
chr13	32953837	32953876	BRCA2_415	-	GTGACCTATGCACCAGACGTAAAGATGAGAAAGATGCAATGGAAGAAGTGATTATCATTTAGATCGGAAGAGCGGTTCAG
chr13	32954094	32954133	BRCA2_416	-	GTGACCTATGCACCAGACGTCAAAACAAAAATTCAACATATGGAGATTCCATAAACTAACAGATCGGAAGAGCGGTTCAG
chr13	32968776	32968815	BRCA2_417	-	GTGACCTATGCACCAGACGTAAAAAAAGAAAAGAATGTTATTATAGATGTGTTAGATGAAAGATCGGAAGAGCGGTTCAG
chr13	32970985	32971024	BRCA2_418	-	GTGACCTATGCACCAGACGTAAGTGGAAAAGCTGCTTTATAAATTGCAAACCCACATATTAGATCGGAAGAGCGGTTCAG
chr13	32972249	32972288	BRCA2_419	-	GTGACCTATGCACCAGACGTAATGAAAACGTAGCCTATCATAATTATGTAGTAACATAAAAGATCGGAAGAGCGGTTCAG
chr13	32972553	32972592	BRCA2_420	-	GTGACCTATGCACCAGACGTTTTCTTTATGGGTGTTTCGTATTTGGTGCCACAACTCCTTAGATCGGAAGAGCGGTTCAG
chr13	32906731	32906770	BRCA2_421	-	GTGACCTATGCACCAGACGTCTTGGAGATTTTGTCACTTCCACTCTCAAAGGGCTTCTGAAGATCGGAAGAGCGGTTCAG
chr13	32907103	32907142	BRCA2_422	-	GTGACCTATGCACCAGACGTTCTTATTCTGAATATAGACTTTTTGATACCCTGAAATGAAAGATCGGAAGAGCGGTTCAG
chr13	32910845	32910884	BRCA2_423	-	GTGACCTATGCACCAGACGTGCTTGTCTGACATTTTGTATGATTCTTTGCCTCTAGAAATAGATCGGAAGAGCGGTTCAG
chr13	32911338	32911377	BRCA2_424	-	GTGACCTATGCACCAGACGTTGCTGCTTTACACTATTTTTGTTCTCCTCTGCAAGAACATAGATCGGAAGAGCGGTTCAG
chr13	32911831	32911870	BRCA2_425	-	GTGACCTATGCACCAGACGTTTCAAACTGACTTCCTGATTCTTCTAATATAGTAGAAAGTAGATCGGAAGAGCGGTTCAG
chr13	32912324	32912363	BRCA2_426	-	GTGACCTATGCACCAGACGTGGCATTTATTATTTTTTTCACTTACAGTTTTATCATTATGAGATCGGAAGAGCGGTTCAG
chr13	32912817	32912856	BRCA2_427	-	GTGACCTATGCACCAGACGTTCTGGTTTCTGATCAAAGAAATTTACAATTTTATTAAATGAGATCGGAAGAGCGGTTCAG
chr13	32913310	32913349	BRCA2_428	-	GTGACCTATGCACCAGACGTATTATCACTTAAGAGCTTAGGTGGCACCACAGTCTCAATAAGATCGGAAGAGCGGTTCAG
chr13	32913803	32913842	BRCA2_429	-	GTGACCTATGCACCAGACGTTTTTTTGATCTTCAACATTCTTCAATACTGGCTCAATACCAGATCGGAAGAGCGGTTCAG
chr13	32914296	32914335	BRCA2_430	-	GTGACCTATGCACCAGACGTCAAGGTGATATTTTAGAAACTTTCTCCAATCCAGACATATAGATCGGAAGAGCGGTTCAG
chr13	32914789	32914828	BRCA2_431	-	GTGACCTATGCACCAGACGTTCTCTTATCAACACGAGGAAGTATTTTTGATACATTTTGTAGATCGGAAGAGCGGTTCAG
chr17	37856442	37856481	ERBB2_432	-	GTGACCTATGCACCAGACGTGCGGCTCCGGCCCCATGGCTCCGGCTGGACCCGGCTGGGAAGATCGGAAGAGCGGTTCAG
chr17	37863193	37863232	ERBB2_433	-	GTGACCTATGCACCAGACGTAGAGCAGATGGGTCAGAGGACACTGGCGGGGGACCTTCTCAGATCGGAAGAGCGGTTCAG
chr17	37863210	37863249	ERBB2_434	-	GTGACCTATGCACCAGACGTGTGCACACTGGCAGGAGAGAGCAGATGGGTCAGAGGACACAGATCGGAAGAGCGGTTCAG
chr17	37864524	37864563	ERBB2_435	-	GTGACCTATGCACCAGACGTGAAGCAGAGTGGGGCTGAAATAGGAACACTGCCACCCCCCAGATCGGAAGAGCGGTTCAG
chr17	37865521	37865560	ERBB2_436	-	GTGACCTATGCACCAGACGTAGCAATGATCAGAGGACCCTTTCCCCTTCTGTCACCTTCTAGATCGGAAGAGCGGTTCAG
chr17	37866016	37866055	ERBB2_437	-	GTGACCTATGCACCAGACGTAACCAGAGACAGGCAGTGAGAGAGATGTCTAACAGCGAGAAGATCGGAAGAGCGGTTCAG
chr17	37866289	37866328	ERBB2_438	-	GTGACCTATGCACCAGACGTAAGGGCAGGATGAGGGCTGAGTGGCGCCCTGGGCACCAGAAGATCGGAAGAGCGGTTCAG
chr17	37866543	37866582	ERBB2_439	-	GTGACCTATGCACCAGACGTAGGTGGCTGGCTTTCACTGTGCTGTTTTGCCCTGGTGTGCAGATCGGAAGAGCGGTTCAG
chr17	37868131	37868170	ERBB2_440	-	GTGACCTATGCACCAGACGTCAGGAACATGTAGCCACATACCCTGGCCCTTCGTGCACCAAGATCGGAAGAGCGGTTCAG
chr17	37868525	37868564	ERBB2_441	-	GTGACCTATGCACCAGACGTGGGGGTGGGTGGGGAAGGGGCCGTCTCAGCCTTCATACCGAGATCGGAAGAGCGGTTCAG
chr17	37871489	37871528	ERBB2_442	-	GTGACCTATGCACCAGACGTCAGGAGAGGAGTCAGCAGGGCCAGGAACAGGGTGGACATCAGATCGGAAGAGCGGTTCAG
chr17	37871649	37871688	ERBB2_443	-	GTGACCTATGCACCAGACGTAGGGTGAGATTAAAGGAGTGGGGACAGGACAAGGACTCCCAGATCGGAAGAGCGGTTCAG
chr17	37871943	37871982	ERBB2_444	-	GTGACCTATGCACCAGACGTAAGGTGGGCACCTTACCACGGACCCCTTCCCGGTCAGCAAAGATCGGAAGAGCGGTTCAG
chr17	37872504	37872543	ERBB2_445	-	GTGACCTATGCACCAGACGTGAGGAAGGGACCGCAGGGGACTTTTAGGGGAGGCCCCAGGAGATCGGAAGAGCGGTTCAG
chr17	37872718	37872757	ERBB2_446	-	GTGACCTATGCACCAGACGTGGACAGTGGTGAGGGGGTCTGAGAGGAGCCCCATGCACCCAGATCGGAAGAGCGGTTCAG
chr17	37873523	37873562	ERBB2_447	-	GTGACCTATGCACCAGACGTCAGAAAAGATTTGTGGGGGGCTGGCACTGACACCCCCAGGAGATCGGAAGAGCGGTTCAG
chr17	37875990	37876029	ERBB2_448	-	GTGACCTATGCACCAGACGTAACAGTCTCATCAACAATTCTGGGAACCACCCTCTTGGGAAGATCGGAAGAGCGGTTCAG
chr17	37879522	37879561	ERBB2_449	-	GTGACCTATGCACCAGACGTAAGCCAGGGTCAGGGATTGAGGGCTAGTTTGGGGTGGGAGAGATCGGAAGAGCGGTTCAG
chr17	37879741	37879780	ERBB2_450	-	GTGACCTATGCACCAGACGTGGGGTGGTGGGTCAGTGCCGGGGGCCGGTGCAGACCCCACAGATCGGAAGAGCGGTTCAG
chr17	37880115	37880154	ERBB2_451	-	GTGACCTATGCACCAGACGTAGAGGAGGATATGAGTGAGAAGAGCGTGGGCTGGATCCTAAGATCGGAAGAGCGGTTCAG
chr17	37880929	37880968	ERBB2_452	-	GTGACCTATGCACCAGACGTGGGTACGCTGAGAGGGTATGGGAGACCACACACCCCCAAAAGATCGGAAGAGCGGTTCAG
chr17	37881252	37881291	ERBB2_453	-	GTGACCTATGCACCAGACGTAAGCACCCATGTAGACCTTCTGGGAGGGCCTGGGCCTGGCAGATCGGAAGAGCGGTTCAG
chr17	37881530	37881569	ERBB2_454	-	GTGACCTATGCACCAGACGTAGAAGAGGAAGTCCTCCAACTGTGTGTTGTGGGGAGGTGGAGATCGGAAGAGCGGTTCAG
chr17	37881910	37881949	ERBB2_455	-	GTGACCTATGCACCAGACGTGACAGGGTCAGGAGTGGGAGGGCCAGAGGGAGCTTTAGTGAGATCGGAAGAGCGGTTCAG
chr17	37882765	37882804	ERBB2_456	-	GTGACCTATGCACCAGACGTAGGGAGGTCAGCATGCTAGTCCCAGGCCCTGTGTGCTTGCAGATCGGAAGAGCGGTTCAG
chr17	37883018	37883057	ERBB2_457	-	GTGACCTATGCACCAGACGTAGGAGAGGCAGGATGGTGGCCCCTCCCCAGCCCAGCATGCAGATCGGAAGAGCGGTTCAG
chr17	37883498	37883537	ERBB2_458	-	GTGACCTATGCACCAGACGTGAAAGAAAGTCATGATGGGGGTCACTCACGGATCTGGGATAGATCGGAAGAGCGGTTCAG
chr17	37883892	37883931	ERBB2_459	-	GTGACCTATGCACCAGACGTAAGAGAAGGTGACCCATTAGGGGAAGGAACCCCGGTGTCTAGATCGGAAGAGCGGTTCAG
chr7	140434347	140434386	BRAF_460	-	GTGACCTATGCACCAGACGTTGAGAGAGTTCAGGAGAGTAGCAACAAAAGGAAAATAAATAGATCGGAAGAGCGGTTCAG
chr7	140439562	140439601	BRAF_461	-	GTGACCTATGCACCAGACGTGCTTCATGCTATCCAAAAGAACAGACTAACATTCATAGACAGATCGGAAGAGCGGTTCAG
chr7	140449037	140449076	BRAF_462	-	GTGACCTATGCACCAGACGTACCACGTCTTGGTGTTTATTTTACCGTCTATATACAAGGCAGATCGGAAGAGCGGTTCAG
chr7	140453025	140453064	BRAF_463	-	GTGACCTATGCACCAGACGTAGGCTATTTTTCCACTGATTAAATTTTTGGCCCTGAGATGAGATCGGAAGAGCGGTTCAG
chr7	140453937	140453976	BRAF_464	-	GTGACCTATGCACCAGACGTTGAAATTTGTCTGCGAAGTTTGAAAACATCCTGACTTTTTAGATCGGAAGAGCGGTTCAG

chr7	140476662	140476701	BRAF_465	-	GTGACCTATGCACCAGACGTTTCGTTAAATGTCTTGTAAATTATTTTTGAAGACCATTGAAGATCGGAAGAGCGGTTCAG
chr7	140477741	140477780	BRAF_466	-	GTGACCTATGCACCAGACGTGTGAATTACTCTTTTCCAGAGAAAGAAGTTATTTTTATTAAGATCGGAAGAGCGGTTCAG
chr7	140481326	140481365	BRAF_467	-	GTGACCTATGCACCAGACGTAATGTGGTGACATTGTGACAAGTCATAATAGGATATGTTTAGATCGGAAGAGCGGTTCAG
chr7	140482771	140482810	BRAF_468	-	GTGACCTATGCACCAGACGTATGATATCTTTTTTTCTCTGAATTCTTTCTTCTTAGAAGTAGATCGGAAGAGCGGTTCAG
chr7	140487298	140487337	BRAF_469	-	GTGACCTATGCACCAGACGTATTTCAGGTTTTTTTAAAAACTCAAGGAAACTGCAATTGCAGATCGGAAGAGCGGTTCAG
chr7	140494058	140494097	BRAF_470	-	GTGACCTATGCACCAGACGTAGCATTGCTAGAACTAAAAAAAAACCAAGTATGTATCTTTAGATCGGAAGAGCGGTTCAG
chr7	140500112	140500151	BRAF_471	-	GTGACCTATGCACCAGACGTACTTCTGCTCTTGGGCGACATGCTACTTGAACCGCTTTCTAGATCGGAAGAGCGGTTCAG
chr7	140501162	140501201	BRAF_472	-	GTGACCTATGCACCAGACGTCAAAAATATCTCTTTTCTACCTACCATTTTACACTTAAATAGATCGGAAGAGCGGTTCAG
chr7	140507710	140507749	BRAF_473	-	GTGACCTATGCACCAGACGTTTACATTTTTTTTTGAAATGTCAAAAATGTTTAGATTTTAAGATCGGAAGAGCGGTTCAG
chr7	140508642	140508681	BRAF_474	-	GTGACCTATGCACCAGACGTTATGTGACGTGAAATTTTGTTTAAAAAGAAAATCACACATAGATCGGAAGAGCGGTTCAG
chr7	140534359	140534398	BRAF_475	-	GTGACCTATGCACCAGACGTTTTAATATCACCATTTTGCTGTTTCTTTGTATTTTTCAGAAGATCGGAAGAGCGGTTCAG
chr7	140549861	140549900	BRAF_476	-	GTGACCTATGCACCAGACGTGAGTATCATATCTAGTAATTTTGAAAAGAAAAAAAATGAAAGATCGGAAGAGCGGTTCAG
chr7	140624316	140624355	BRAF_477	-	GTGACCTATGCACCAGACGTGCGCCACCCTGCCGCCCTCCCGACTCCGGGCTCGGCGGCTAGATCGGAAGAGCGGTTCAG
chr4	153243983	153244022	FBXW7_478	-	GTGACCTATGCACCAGACGTAGATGAATTTGTCCAATTGTGTAGACGATATACTCCCTGCAGATCGGAAGAGCGGTTCAG
chr4	153245286	153245325	FBXW7_479	-	GTGACCTATGCACCAGACGTCTCACCTTTCGTTTTGTTCATTAAAAATGAGATCATTATTAGATCGGAAGAGCGGTTCAG
chr4	153247108	153247147	FBXW7_480	-	GTGACCTATGCACCAGACGTTTATCTCTCCCTTAAATGCTCTCCTGATGAATCATAAGGTAGATCGGAAGAGCGGTTCAG
chr4	153249310	153249349	FBXW7_481	-	GTGACCTATGCACCAGACGTATCTTGTCATGGTTGGGACTTCTTCCTCTATTATTGGTGAAGATCGGAAGAGCGGTTCAG
chr4	153250774	153250813	FBXW7_482	-	GTGACCTATGCACCAGACGTTCTTCCTACACTTCACAAAGTCATAATTTTGTGTATATCAAGATCGGAAGAGCGGTTCAG
chr4	153251834	153251873	FBXW7_483	-	GTGACCTATGCACCAGACGTTCTGCACAATGTAACAGAAACCGTTAATCAGTGTTAGTACAGATCGGAAGAGCGGTTCAG
chr4	153253698	153253737	FBXW7_484	-	GTGACCTATGCACCAGACGTAAATTGCATAGAGAATATGTTTATACTTTGAAAAGCAGAGAGATCGGAAGAGCGGTTCAG
chr4	153258904	153258943	FBXW7_485	-	GTGACCTATGCACCAGACGTTCAATTACATTCTTCATTGGGTGTTATTTGAATATATAACAGATCGGAAGAGCGGTTCAG
chr4	153268032	153268071	FBXW7_486	-	GTGACCTATGCACCAGACGTTAAACATAGTACTTGAAATGCCTCACTTAATTGCTGCAAAAGATCGGAAGAGCGGTTCAG
chr4	153271144	153271183	FBXW7_487	-	GTGACCTATGCACCAGACGTATATAATGATTATCTCATGATTCTCAGTTTTTTAGAGTTGAGATCGGAAGAGCGGTTCAG
chr4	153273572	153273611	FBXW7_488	-	GTGACCTATGCACCAGACGTTGTTTTCTTCCTATGCTATGTGATTGTGTGTGTATGCCTGAGATCGGAAGAGCGGTTCAG
chr4	153303291	153303330	FBXW7_489	-	GTGACCTATGCACCAGACGTCACATTTGAAAAATATGAATGTTTATTTAAGTGAAGTACCAGATCGGAAGAGCGGTTCAG
chr4	153332405	153332444	FBXW7_490	-	GTGACCTATGCACCAGACGTTCAATATATTGTTAACCTGAGAAACTTTACATATCTATTTAGATCGGAAGAGCGGTTCAG
chr3	37034989	37035028	MLH1_491	-	GTGACCTATGCACCAGACGTGAAGAGCCAAGGAAACGTCTAGATGCTCAACGGAAGTGCCAGATCGGAAGAGCGGTTCAG
chr3	37038060	37038099	MLH1_492	-	GTGACCTATGCACCAGACGTAAACAGAAAATAATTTATCAGTCTGCAACTACTCTAATGTAGATCGGAAGAGCGGTTCAG
chr3	37042396	37042435	MLH1_493	-	GTGACCTATGCACCAGACGTCCAAAAAGATGAGTAAATAATCATGTTACTCATTTTTCCAAGATCGGAAGAGCGGTTCAG
chr3	37045842	37045881	MLH1_494	-	GTGACCTATGCACCAGACGTAAAGAAAATAGACTGAAAGAAAAACTCACTGCTGGGTCACAGATCGGAAGAGCGGTTCAG
chr3	37048432	37048471	MLH1_495	-	GTGACCTATGCACCAGACGTAATATAACAAATTAATATCCAGTAGAGAGATAGATACTAAAGATCGGAAGAGCGGTTCAG
chr3	37050255	37050294	MLH1_496	-	GTGACCTATGCACCAGACGTGATTGATTTTTCTTGTAAATTCATAGAAGTACTTGAAAATAGATCGGAAGAGCGGTTCAG
chr3	37053261	37053300	MLH1_497	-	GTGACCTATGCACCAGACGTAAAACAAAAGAGTAAGAAAAGAGTTGCCAAAAACACACACAGATCGGAAGAGCGGTTCAG
chr3	37053452	37053491	MLH1_498	-	GTGACCTATGCACCAGACGTAACAGCAGAAGACACAAGGATTTATTGTCTCATGGCTGAGAGATCGGAAGAGCGGTTCAG
chr3	37055873	37055912	MLH1_499	-	GTGACCTATGCACCAGACGTAGAGATTCTGAAGCTTTTGAAAATACTCAAAACTCAAACAAGATCGGAAGAGCGGTTCAG
chr3	37058947	37058986	MLH1_500	-	GTGACCTATGCACCAGACGTAAAAGAAAGCAACCAGTTCAAAACTGTCCTGAGGGGTGAGAGATCGGAAGAGCGGTTCAG
chr3	37061751	37061790	MLH1_501	-	GTGACCTATGCACCAGACGTAATAAGAGAGAACAATTACCTTAGATAGTGGGAGGGGGAGAGATCGGAAGAGCGGTTCAG
chr3	37070225	37070264	MLH1_502	-	GTGACCTATGCACCAGACGTGAAAAGGAAGTGCAGATCATTATTATTCTTGTTTTTAAACAGATCGGAAGAGCGGTTCAG
chr3	37081627	37081666	MLH1_503	-	GTGACCTATGCACCAGACGTAAAAATAAAACCAAAAAACAGGTAAGTAATAGAATCCTACAGATCGGAAGAGCGGTTCAG
chr3	37083709	37083748	MLH1_504	-	GTGACCTATGCACCAGACGTAAATGAAGTGACTTTAAGGAAAAGCTGAATTCATGCTTGAAGATCGGAAGAGCGGTTCAG
chr3	37088960	37088999	MLH1_505	-	GTGACCTATGCACCAGACGTGCAAGAACATGAAGGAGCAAGCTTTAACGGAGCATCCAAAAGATCGGAAGAGCGGTTCAG
chr3	37089958	37089997	MLH1_506	-	GTGACCTATGCACCAGACGTGAAAAAGGACAAGGGAACAAGAAATAATGCTGTCATAGTTAGATCGGAAGAGCGGTTCAG
chr3	37090345	37090384	MLH1_507	-	GTGACCTATGCACCAGACGTGAAATTCAATACCTCAAAATAGGTACGAATTTAAACATTCAGATCGGAAGAGCGGTTCAG
chr3	37091927	37091966	MLH1_508	-	GTGACCTATGCACCAGACGTCATTAGATGTCATAAGCCTCCCTGTTTGCATCCCAACATAAGATCGGAAGAGCGGTTCAG
chr2	47630281	47630320	MSH2_509	-	GTGACCTATGCACCAGACGTCCTCACCTCCTGGTTGAAGAAAATGCGCGACCCCACACCCAGATCGGAAGAGCGGTTCAG
chr2	47635490	47635529	MSH2_510	-	GTGACCTATGCACCAGACGTAAAAAAGTACATTACAGATTTGAGATATTACATGTTCAAGAGATCGGAAGAGCGGTTCAG
chr2	47639503	47639542	MSH2_511	-	GTGACCTATGCACCAGACGTAGAAATAGTTTAAACTACTATGAGAAAAGGAATAAGAAAAAGATCGGAAGAGCGGTTCAG
chr2	47641358	47641397	MSH2_512	-	GTGACCTATGCACCAGACGTGAATTTAAAAATCGAAGATTTCTATACCACTGGATCCAGTAGATCGGAAGAGCGGTTCAG
chr2	47643385	47643424	MSH2_513	-	GTGACCTATGCACCAGACGTAAAAATAAAATAGAAAGAATGGCAAGCTCATTAGTGAAAAAGATCGGAAGAGCGGTTCAG
chr2	47672637	47672676	MSH2_514	-	GTGACCTATGCACCAGACGTGTAGTAAAACAAACAAATAAAAAGATCTCATTTTACAGAAAGATCGGAAGAGCGGTTCAG
chr2	47690120	47690159	MSH2_515	-	GTGACCTATGCACCAGACGTAACAAAGTGACAAAATCCTATAAATAATGGGTAAAGACAGAGATCGGAAGAGCGGTTCAG
chr2	47693747	47693786	MSH2_516	-	GTGACCTATGCACCAGACGTAAGAAGAAAAGAAAAAGTATTCCATAAATACCTACTACCAAGATCGGAAGAGCGGTTCAG
chr2	47702114	47702153	MSH2_517	-	GTGACCTATGCACCAGACGTATAAAAACAGAAAATGTACACAGGAATACTGAATAATAAAAGATCGGAAGAGCGGTTCAG
chr2	47703456	47703495	MSH2_518	-	GTGACCTATGCACCAGACGTAATTATATCAGAAAGCAAGATTTTAAACTTCTTTCTGCTAAGATCGGAAGAGCGGTTCAG
chr2	47705361	47705400	MSH2_519	-	GTGACCTATGCACCAGACGTTAATTACATGAAATTTCCCATCACATAAAATGTGGTAACAAGATCGGAAGAGCGGTTCAG
chr2	47707785	47707824	MSH2_520	-	GTGACCTATGCACCAGACGTTTTGGGGAAGCGTGAGGGGACAGCATGAGAAGAGACAGCAAGATCGGAAGAGCGGTTCAG
chr2	47709868	47709907	MSH2_521	-	GTGACCTATGCACCAGACGTTGTGAATGTCCCATTAGTAATTAAAATATCTTTTCTAAAAAGATCGGAAGAGCGGTTCAG
chr18	48573367	48573406	SMAD4_522	-	GTGACCTATGCACCAGACGTTTTTCCTTTTAAATCAAATATGTCTCCAATTTCTGAAGCAAGATCGGAAGAGCGGTTCAG

chr18	48575615	48575654	SMAD4_523	-	GTGACCTATGCACCAGACGTTAAAGGGGAAAACAAATGAAACATTAATCATTACAATGAAAGATCGGAAGAGCGGTTCAG
chr18	48584445	48584484	SMAD4_524	-	GTGACCTATGCACCAGACGTAAGAAGACATTAACATGGTACATTCATAGATGTCATCTTAAGATCGGAAGAGCGGTTCAG
chr18	48584660	48584699	SMAD4_525	-	GTGACCTATGCACCAGACGTAGGCCCACATGGGTTAATTTGCTTTTATAAAGGCTGCCTAAGATCGGAAGAGCGGTTCAG
chr18	48586186	48586225	SMAD4_526	-	GTGACCTATGCACCAGACGTGACAACAAAAATTCCATTTTTATTTACTAAAAGTTGTCTAAGATCGGAAGAGCGGTTCAG
chr18	48591743	48591782	SMAD4_527	-	GTGACCTATGCACCAGACGTTAAATGGGAAAGAACATCCTCCCATGAGAAAGATATAAGGAGATCGGAAGAGCGGTTCAG
chr18	48593339	48593378	SMAD4_528	-	GTGACCTATGCACCAGACGTAAAAAGAAATTACATTTTATCTTGATAAGTATTTTAAATTAGATCGGAAGAGCGGTTCAG
chr18	48602958	48602997	SMAD4_529	-	GTGACCTATGCACCAGACGTAAAACATTTCATACTATGAGTTCATAAAGAAAAATTCCATAGATCGGAAGAGCGGTTCAG
chr18	48604576	48604615	SMAD4_530	-	GTGACCTATGCACCAGACGTAGATTTGGAAGACATCAGAGGGACAGGGTGATCTCTTCCCAGATCGGAAGAGCGGTTCAG
chr9	22005936	22005975	CDKN2B_531	-	GTGACCTATGCACCAGACGTCCCAGCCGCCCACAACGACTTTATTTTCTTACCCAATTTCAGATCGGAAGAGCGGTTCAG
chr9	22008666	22008705	CDKN2B_532	-	GTGACCTATGCACCAGACGTTAGATTTGTACAGGAGTCTCCGTTGGCCGGAGGTGTGCATAGATCGGAAGAGCGGTTCAG
chr9	22008747	22008786	CDKN2B_533	-	GTGACCTATGCACCAGACGTCCCCAGGGCCTCGCCGGCAGGGGGCGCGCGAACGCGGGGCAGATCGGAAGAGCGGTTCAG
chr4	1800931	1800970	FGFR3_534	-	GTGACCTATGCACCAGACGTGATGGGCAACCATGAGGCAGGCACCCCCAAACCCGGCACCAGATCGGAAGAGCGGTTCAG
chr4	1801424	1801463	FGFR3_535	-	GTGACCTATGCACCAGACGTGAGATGGCCGCAACCAATGCCCAACCTGCCCCAGGAGGCCAGATCGGAAGAGCGGTTCAG
chr4	1803044	1803083	FGFR3_536	-	GTGACCTATGCACCAGACGTAGGTGCGTGTGAAGGCCATGACCCGAGTGGGAGCAGAGGCAGATCGGAAGAGCGGTTCAG
chr4	1803297	1803336	FGFR3_537	-	GTGACCTATGCACCAGACGTACGCGGGCGGGTGAGTGAGCGGAGGCAGCAACCACCGCGCAGATCGGAAGAGCGGTTCAG
chr4	1805369	1805408	FGFR3_538	-	GTGACCTATGCACCAGACGTAGAGCAGAGCGATAGGCGAGCGCCAGCACCGCCCTGCGGGAGATCGGAAGAGCGGTTCAG
chr4	1806007	1806046	FGFR3_539	-	GTGACCTATGCACCAGACGTATGGGCGTTGAGGCCTGGCCTGGCCCCCCCCCCCACGGGGAGATCGGAAGAGCGGTTCAG
chr4	1806501	1806540	FGFR3_540	-	GTGACCTATGCACCAGACGTCAGCAGGGGCAGGTTGGCGCCGCGTGGGCGACAGGGCGTGAGATCGGAAGAGCGGTTCAG
chr4	1807032	1807071	FGFR3_541	-	GTGACCTATGCACCAGACGTAGGCAGAGGGACCATGAGTGTGCAAACTCGCCCACTCTCAAGATCGGAAGAGCGGTTCAG
chr4	1807236	1807275	FGFR3_542	-	GTGACCTATGCACCAGACGTAGCGGGGGGCCTGTGTCAGGCGGCGGCGGCGCCCCCAGCCAGATCGGAAGAGCGGTTCAG
chr4	1807427	1807466	FGFR3_543	-	GTGACCTATGCACCAGACGTGGGCTCCTCAGACGGGCTGCCAGGCCCAGGAGGGCCGCCCAGATCGGAAGAGCGGTTCAG
chr4	1807728	1807767	FGFR3_544	-	GTGACCTATGCACCAGACGTGGTGGGAGGCAGGGCTGAAGCCTCTCCACCTCTCCCCGCTAGATCGGAAGAGCGGTTCAG
chr4	1807934	1807973	FGFR3_545	-	GTGACCTATGCACCAGACGTGTGGGAAGGCGGTGTTGGCGCCAGGCGTCCTACTGGCATGAGATCGGAAGAGCGGTTCAG
chr4	1808223	1808262	FGFR3_546	-	GTGACCTATGCACCAGACGTAGGTGAGGTCAGGCTGTCCTGAGACTCCCAGGACAGACACAGATCGGAAGAGCGGTTCAG
chr4	1808506	1808545	FGFR3_547	-	GTGACCTATGCACCAGACGTGGCGCTCAGGAGTGAGCCCCGCCGCTTCCCGCCTTATTCGAGATCGGAAGAGCGGTTCAG
chr4	1808793	1808832	FGFR3_548	-	GTGACCTATGCACCAGACGTGAGGCGGGGTGAGCGCTGTGCCACCGAGCCCCTCTTCGCAAGATCGGAAGAGCGGTTCAG
chr2	48010323	48010362	MSH6_549	-	GTGACCTATGCACCAGACGTGGCAAGGCCCAACCGTTCTGTCGGACGGAGCTCCTAAAAGAGATCGGAAGAGCGGTTCAG
chr2	48018016	48018055	MSH6_550	-	GTGACCTATGCACCAGACGTAAGGAAATACATAACTTAGTTAATATTTGGTCAAGTTTCCAGATCGGAAGAGCGGTTCAG
chr2	48025700	48025739	MSH6_551	-	GTGACCTATGCACCAGACGTAGGAAAGAGTATTTAAAAACAAATCAAAATTTGGAAAACCAGATCGGAAGAGCGGTTCAG
chr2	48030509	48030548	MSH6_552	-	GTGACCTATGCACCAGACGTAGAGGGTAAAAGTGAGGCTTCATCGTTTGGGGGTTTTATCAGATCGGAAGAGCGGTTCAG
chr2	48031999	48032038	MSH6_553	-	GTGACCTATGCACCAGACGTGGGAGGAAAAGGTCTTTTATGACTGGTAGTAACAGTTTCAAGATCGGAAGAGCGGTTCAG
chr2	48032707	48032746	MSH6_554	-	GTGACCTATGCACCAGACGTAAAAAATCACAAATGAATACTCATTTTGCAAATCATATTAAGATCGGAAGAGCGGTTCAG
chr2	48033293	48033332	MSH6_555	-	GTGACCTATGCACCAGACGTAAAATATGCATAAGGAAGTAACTCAAAGGAATTAAAACAAAGATCGGAAGAGCGGTTCAG
chr2	48033541	48033580	MSH6_556	-	GTGACCTATGCACCAGACGTAAAAATATTAGCGATACATGTGCTAGCAAGAGAAGTGCCCAGATCGGAAGAGCGGTTCAG
chr2	48026124	48026163	MSH6_557	-	GTGACCTATGCACCAGACGTTTCAGAATTTTGAGGGGCAGAGAAAGCTCTCAAAGTATTCAGATCGGAAGAGCGGTTCAG
chr2	48026548	48026587	MSH6_558	-	GTGACCTATGCACCAGACGTGAGTCTCAGTCTGTTCCACTCGTGCTACTTTATAGCCCTTAGATCGGAAGAGCGGTTCAG
chr2	48026972	48027011	MSH6_559	-	GTGACCTATGCACCAGACGTGCATCCCAAAACTGGGAGCCGGGTATCAGACCTTCCTGAAAGATCGGAAGAGCGGTTCAG
chr2	48027396	48027435	MSH6_560	-	GTGACCTATGCACCAGACGTCTTACCAAAAGGAGTATGGCAAGTATCAACCCTCTCTAGTAGATCGGAAGAGCGGTTCAG
chr2	48027820	48027859	MSH6_561	-	GTGACCTATGCACCAGACGTCCCATCGGTTCAATTCTACAGTCAAATCAGGAAAACGACCAGATCGGAAGAGCGGTTCAG
chr3	138374181	138374220	PIK3CB_562	-	GTGACCTATGCACCAGACGTTCGCTCCTAATGTATTTGTTGGTTTCATTTCATTTTCATTAGATCGGAAGAGCGGTTCAG
chr3	138374934	138374973	PIK3CB_563	-	GTGACCTATGCACCAGACGTACTTTTCCTTCTCTCTTGGACTTTGTGGGCATTGAGCTCAAGATCGGAAGAGCGGTTCAG
chr3	138376482	138376521	PIK3CB_564	-	GTGACCTATGCACCAGACGTCCCTTGTGCCAAGGCTGAACACTTCTAACATTTTCTTATCAGATCGGAAGAGCGGTTCAG
chr3	138382698	138382737	PIK3CB_565	-	GTGACCTATGCACCAGACGTCCTCAGGATCTGCCAAGGGCCTTAGTAATGCTATTTCTTAAGATCGGAAGAGCGGTTCAG
chr3	138383828	138383867	PIK3CB_566	-	GTGACCTATGCACCAGACGTTCTGTTTAATTATCATTTTTCTGTACAAACAGCCAAACAAAGATCGGAAGAGCGGTTCAG
chr3	138400759	138400798	PIK3CB_567	-	GTGACCTATGCACCAGACGTGTCTTTTTTTTTTTTTCAGTCTAATGTCTTCCCATAGCAAAGATCGGAAGAGCGGTTCAG
chr3	138402470	138402509	PIK3CB_568	-	GTGACCTATGCACCAGACGTAGATTTTTAACATCAAATTTCTTAGAATTTTTCATTTGTTAGATCGGAAGAGCGGTTCAG
chr3	138403417	138403456	PIK3CB_569	-	GTGACCTATGCACCAGACGTGTGCTTTGCGCAGTGAATCTCCTATGAATAGCAAGCAGAAAGATCGGAAGAGCGGTTCAG
chr3	138407667	138407706	PIK3CB_570	-	GTGACCTATGCACCAGACGTGTTTTATTTATTCATTTTTTCTTTTTTTGACAGACAACGTAGATCGGAAGAGCGGTTCAG
chr3	138409792	138409831	PIK3CB_571	-	GTGACCTATGCACCAGACGTTATATTTTACTTTGAGCCCACCAGGTGCTTTAGTAACTATAGATCGGAAGAGCGGTTCAG
chr3	138413578	138413617	PIK3CB_572	-	GTGACCTATGCACCAGACGTCAGGTGGTTTTCTTTGGGGCAAGGAATAACTTGGGTGGGTAGATCGGAAGAGCGGTTCAG
chr3	138417699	138417738	PIK3CB_573	-	GTGACCTATGCACCAGACGTATCGTTTCTATAACTTTTTTTGGGTGTATGGTACTTGGTTAGATCGGAAGAGCGGTTCAG
chr3	138423235	138423274	PIK3CB_574	-	GTGACCTATGCACCAGACGTAGAGTTTTAAATGGCCCTTTCTTATGGAGTTGTGCACATTAGATCGGAAGAGCGGTTCAG
chr3	138425951	138425990	PIK3CB_575	-	GTGACCTATGCACCAGACGTTATTTAAAGGACCTCTATGCATGAAATGATTGAATGATCAAGATCGGAAGAGCGGTTCAG
chr3	138431000	138431039	PIK3CB_576	-	GTGACCTATGCACCAGACGTCATTCTTATCCTTAGTGTTAAAGCATAACTAACTTTTGGCAGATCGGAAGAGCGGTTCAG
chr3	138433260	138433299	PIK3CB_577	-	GTGACCTATGCACCAGACGTACCAACTTCTGAGGATTGTTTTATATAACGGAATAATTTTAGATCGGAAGAGCGGTTCAG
chr3	138452153	138452192	PIK3CB_578	-	GTGACCTATGCACCAGACGTACTAAGATTTGAATTTGCCATCCGCTCCAGTATTTGAATAAGATCGGAAGAGCGGTTCAG
chr3	138453426	138453465	PIK3CB_579	-	GTGACCTATGCACCAGACGTTTTCTGAACCTTTAGTAACCCCAAAAGCCATGTGATTGTGAGATCGGAAGAGCGGTTCAG
chr3	138477965	138478004	PIK3CB_580	-	GTGACCTATGCACCAGACGTAGGTATAATTTCTATGTGTTTAGCATACTGTGTCACTTGGAGATCGGAAGAGCGGTTCAG

chr5	67522454	67522493	PIK3R1_581	-	GTGACCTATGCACCAGACGTCTGCTACCATGCAACAGTTGAGCCTGGTTGTACAGAGCAGAGATCGGAAGAGCGGTTCAG
chr5	67569168	67569207	PIK3R1_582	-	GTGACCTATGCACCAGACGTCAAAATCCCACCATTGTATTTAATTTGGATAGTTGAATGCAGATCGGAAGAGCGGTTCAG
chr5	67569717	67569756	PIK3R1_583	-	GTGACCTATGCACCAGACGTAAACAGACCACAGACCATGTATGCAAAACACAGCTCTCTGAGATCGGAAGAGCGGTTCAG
chr5	67575380	67575419	PIK3R1_584	-	GTGACCTATGCACCAGACGTATTTAAGAAATATTTCAGACATTTATTTTATAGAATACATAGATCGGAAGAGCGGTTCAG
chr5	67576306	67576345	PIK3R1_585	-	GTGACCTATGCACCAGACGTAAAAAAAAAAAAAAAAGAGAAATGAGTAAGCGACTACTTCCAGATCGGAAGAGCGGTTCAG
chr5	67576705	67576744	PIK3R1_586	-	GTGACCTATGCACCAGACGTGAGAGTTTATTAGAAACCTTTTCCCTAAAAGCAAACTCATAGATCGGAAGAGCGGTTCAG
chr5	67584514	67584553	PIK3R1_587	-	GTGACCTATGCACCAGACGTTCCCTTTGAAATGCCTGTATCCGACAATGAAAAAAAAAAAAAGATCGGAAGAGCGGTTCAG
chr5	67586507	67586546	PIK3R1_588	-	GTGACCTATGCACCAGACGTGTTTCCTTGGCTGAGCTCAGTTATAAGAAAAGAGTCCGGCAGATCGGAAGAGCGGTTCAG
chr5	67588037	67588076	PIK3R1_589	-	GTGACCTATGCACCAGACGTAAAAGAAAAAGTTGTTCGCAATCCCAACTACATTAGAACTAGATCGGAAGAGCGGTTCAG
chr5	67588879	67588918	PIK3R1_590	-	GTGACCTATGCACCAGACGTAACACAAAACAATGCTCATCTTAAGGTTTAGTGACCACAGAGATCGGAAGAGCGGTTCAG
chr5	67589081	67589120	PIK3R1_591	-	GTGACCTATGCACCAGACGTAATATAAAAATAAAGGTATTAACATTTTGGAATAAGGAAAAGATCGGAAGAGCGGTTCAG
chr5	67589487	67589526	PIK3R1_592	-	GTGACCTATGCACCAGACGTTAAAATAAATTCAATGGATAAGGTATTTAATCAAATAACAAGATCGGAAGAGCGGTTCAG
chr5	67590314	67590353	PIK3R1_593	-	GTGACCTATGCACCAGACGTATTTTAAAAAGATAATGTCATACCTTTCATAGAACAATCTAGATCGGAAGAGCGGTTCAG
chr5	67590926	67590965	PIK3R1_594	-	GTGACCTATGCACCAGACGTAAGAAACGTATTTGTTATTATCTGGGTACATCAGGAACGGAGATCGGAAGAGCGGTTCAG
chr5	67591198	67591237	PIK3R1_595	-	GTGACCTATGCACCAGACGTGTTTTGAAAAGAGAACGCATTAACTCATCCTGAATTGTAGAGATCGGAAGAGCGGTTCAG
chr5	67591949	67591988	PIK3R1_596	-	GTGACCTATGCACCAGACGTAGGACAGAAAGTTTCTAAATGAAGAGTGCAGGAGCCATCAAGATCGGAAGAGCGGTTCAG
chr5	67593190	67593229	PIK3R1_597	-	GTGACCTATGCACCAGACGTGAGAAGAAAAACTGTCTTTTGAGCTTGTCCAAGACAATTCAGATCGGAAGAGCGGTTCAG
chr2	128015122	128015161	ERCC3_598	-	GTGACCTATGCACCAGACGTGGGTACTTCGTTCAAGACCGGCGCTTGGCACCCTTGTTGGAGATCGGAAGAGCGGTTCAG
chr2	128016822	128016861	ERCC3_599	-	GTGACCTATGCACCAGACGTGGGTGAGGAGGTTCCAGGTGTCAGTGCTCTCACAGGGCAGAGATCGGAAGAGCGGTTCAG
chr2	128018754	128018793	ERCC3_600	-	GTGACCTATGCACCAGACGTATTTGGCTTCTGGTTAGACTAGGACCAAGGCCTTCTTGATAGATCGGAAGAGCGGTTCAG
chr2	128028862	128028901	ERCC3_601	-	GTGACCTATGCACCAGACGTCTTTCATCTTCTGTTGCAGGAGGTCACTCCTCTTAAACCAAGATCGGAAGAGCGGTTCAG
chr2	128030391	128030430	ERCC3_602	-	GTGACCTATGCACCAGACGTCATATGGGGTGGAGGTGAGGCCCCTAGCACTCTGGGGACCAGATCGGAAGAGCGGTTCAG
chr2	128036699	128036738	ERCC3_603	-	GTGACCTATGCACCAGACGTAAAACTTGGAGCTTCCTCCAGGCCAGTTTCTCTTCCCCATAGATCGGAAGAGCGGTTCAG
chr2	128037973	128038012	ERCC3_604	-	GTGACCTATGCACCAGACGTCTGGGCTGGGGGCGTCTGGGAAAGGGCCTCCTCCTATGGGAGATCGGAAGAGCGGTTCAG
chr2	128044229	128044268	ERCC3_605	-	GTGACCTATGCACCAGACGTTGGAGCTGAGCTGTCCACTTGCTGAACAGACAAACCAATTAGATCGGAAGAGCGGTTCAG
chr2	128046186	128046225	ERCC3_606	-	GTGACCTATGCACCAGACGTCCAGAGTTAAGAAGGTGGTCAGGCTGTTGTGTCTGGATCTAGATCGGAAGAGCGGTTCAG
chr2	128046863	128046902	ERCC3_607	-	GTGACCTATGCACCAGACGTGTACCTTCCTCCTGGTTCCTTCACTGAGCTGCTGTTAGAAAGATCGGAAGAGCGGTTCAG
chr2	128047215	128047254	ERCC3_608	-	GTGACCTATGCACCAGACGTTCCTGGGCCACCCTTGGGTGGGGGCAGGCATTTAGGATTTAGATCGGAAGAGCGGTTCAG
chr2	128047750	128047789	ERCC3_609	-	GTGACCTATGCACCAGACGTCCATGACAGGCCTGTCCCAAGGCACTGTCACTTTCTGCGCAGATCGGAAGAGCGGTTCAG
chr2	128050136	128050175	ERCC3_610	-	GTGACCTATGCACCAGACGTGCTGAGACCAGCAATTCCACCTGCCCTGCTAATGTAACAAAGATCGGAAGAGCGGTTCAG
chr2	128051039	128051078	ERCC3_611	-	GTGACCTATGCACCAGACGTCCTTAGCTTGGGCAGGGCCCAGGAGTGTGCGGAGCGGCAGAGATCGGAAGAGCGGTTCAG
chr2	128051580	128051619	ERCC3_612	-	GTGACCTATGCACCAGACGTGCGCGGGCACGCTCAGCCACGACTGCCCTTGCCGGCCCTGAGATCGGAAGAGCGGTTCAG
chr9	5021938	5021977	JAK2_613	-	GTGACCTATGCACCAGACGTTTTCAGAACATTTGCCTGTAAGAGAAAACAATAAAGTTACAGATCGGAAGAGCGGTTCAG
chr9	5029733	5029772	JAK2_614	-	GTGACCTATGCACCAGACGTAGCAGAGAAAGGAATTATTAAAGGTACACAACAGAATATTAGATCGGAAGAGCGGTTCAG
chr9	5044353	5044392	JAK2_615	-	GTGACCTATGCACCAGACGTATAAAAACATTTGGTCAGCTTCCAAATAGTTCAAATACAAAGATCGGAAGAGCGGTTCAG
chr9	5050636	5050675	JAK2_616	-	GTGACCTATGCACCAGACGTAAATTTGAAGGAAATATCTCATCGTAAGTTTCATTATCATAGATCGGAAGAGCGGTTCAG
chr9	5054513	5054552	JAK2_617	-	GTGACCTATGCACCAGACGTAAAAGCACATACAGAAAAACAAAACAAAACAAAAATTGGAAGATCGGAAGAGCGGTTCAG
chr9	5055619	5055658	JAK2_618	-	GTGACCTATGCACCAGACGTAAGCATGTAAAATTAAAAACGGGTAGAATTTACAGAGCCAAGATCGGAAGAGCGGTTCAG
chr9	5064833	5064872	JAK2_619	-	GTGACCTATGCACCAGACGTAAAAGAAAAAGAAATAGCACCTTTTAGAAAGTCAACTCCAAGATCGGAAGAGCGGTTCAG
chr9	5066628	5066667	JAK2_620	-	GTGACCTATGCACCAGACGTAGAAGAAGCAATTTGAATAATATATCAAGCACCATAATATAGATCGGAAGAGCGGTTCAG
chr9	5068972	5069011	JAK2_621	-	GTGACCTATGCACCAGACGTTTAATTATAAAGAAAGGGAGGGATAGTCACAATGGACATCAGATCGGAAGAGCGGTTCAG
chr9	5069875	5069914	JAK2_622	-	GTGACCTATGCACCAGACGTAAAATACATATATATCACTTCAAAATACACTGAAAGTATGAGATCGGAAGAGCGGTTCAG
chr9	5072442	5072481	JAK2_623	-	GTGACCTATGCACCAGACGTAAAAGGTAAAAGAAAAGAATGAGTAAAGATGGAGAACGAAAGATCGGAAGAGCGGTTCAG
chr9	5073648	5073687	JAK2_624	-	GTGACCTATGCACCAGACGTAAAAAAGTACAAAGAATTGTTGTTTGACTGTTGTCCATAAAGATCGGAAGAGCGGTTCAG
chr9	5078256	5078295	JAK2_625	-	GTGACCTATGCACCAGACGTTAAACGCACATATATTCAAATATCAGTCCACAAGTACTGGAGATCGGAAGAGCGGTTCAG
chr9	5080179	5080218	JAK2_626	-	GTGACCTATGCACCAGACGTATACGAACAGAGTAGGGTTAAATAATTCACAAGTAAACCAAGATCGGAAGAGCGGTTCAG
chr9	5080483	5080522	JAK2_627	-	GTGACCTATGCACCAGACGTAGAACCACAAACTGAGAATAAATTGTGTAATGCCACACCAAGATCGGAAGAGCGGTTCAG
chr9	5081675	5081714	JAK2_628	-	GTGACCTATGCACCAGACGTAAAGAATATTATCACCTTAAATTAGCAAATAACATTCTCTAGATCGGAAGAGCGGTTCAG
chr9	5089624	5089663	JAK2_629	-	GTGACCTATGCACCAGACGTCATCACATTAGGATGGAAATACCAAGTTTTCAAGGCAAATAGATCGGAAGAGCGGTTCAG
chr9	5090396	5090435	JAK2_630	-	GTGACCTATGCACCAGACGTAAAGGTGGAAATAATGTTTTACTCTGCCATATTATACTGAAGATCGGAAGAGCGGTTCAG
chr9	5090689	5090728	JAK2_631	-	GTGACCTATGCACCAGACGTAACATTTTTCTTTCAGCTAGTTTTATAAATATAAACAATTAGATCGGAAGAGCGGTTCAG
chr9	5122954	5122993	JAK2_632	-	GTGACCTATGCACCAGACGTATGAATAACATTTAAAAGACAGTTACTTGATATGTGGACTAGATCGGAAGAGCGGTTCAG
chr9	5126283	5126322	JAK2_633	-	GTGACCTATGCACCAGACGTCCCACTTTCAATATTTTTTGTACATTTAATTTGTAGCAAAAGATCGGAAGAGCGGTTCAG
chr9	5126634	5126673	JAK2_634	-	GTGACCTATGCACCAGACGTGAAAATAAACCAAAATTAAATGAACACTAAGGGCCATCTTAGATCGGAAGAGCGGTTCAG
chr4	55524132	55524171	KIT_635	-	GTGACCTATGCACCAGACGTGCGATGGGATCCGAGCTCTGGTCCACGTTCCAGCTCTCGCAGATCGGAAGAGCGGTTCAG
chr4	55561628	55561667	KIT_636	-	GTGACCTATGCACCAGACGTAAACAGAATCGTGTTGAGTATGATCTTCTTCCTTGGCGAAAGATCGGAAGAGCGGTTCAG
chr4	55564400	55564439	KIT_637	-	GTGACCTATGCACCAGACGTATATCCAAAATCAGTAGTTGGAATGGCTGGTCACAGACACAGATCGGAAGAGCGGTTCAG
chr4	55565746	55565785	KIT_638	-	GTGACCTATGCACCAGACGTAAGAAATGTGGCCCCTCAAATAATTTGTATTATAGCATGAAGATCGGAAGAGCGGTTCAG

chr4	55569840	55569879	KIT_639	-	GTGACCTATGCACCAGACGTCAGAAAAGGAGAAAAAAAAATGAAGATTACCATATAATTTAGATCGGAAGAGCGGTTCAG
chr4	55573214	55573253	KIT_640	-	GTGACCTATGCACCAGACGTTGAAATAAGACAGAAAGAAACCATTATCTACAACTACTGGAGATCGGAAGAGCGGTTCAG
chr4	55575540	55575579	KIT_641	-	GTGACCTATGCACCAGACGTAAGACAACTAGTCAATCACCTGTGGATAGCATGCCTTGGAAGATCGGAAGAGCGGTTCAG
chr4	55589700	55589739	KIT_642	-	GTGACCTATGCACCAGACGTACAGAAATGGCCATATGTCAGAGTGCTGGAAAACCTCAGCAGATCGGAAGAGCGGTTCAG
chr4	55591973	55592012	KIT_643	-	GTGACCTATGCACCAGACGTGAAAACAAAAGCCCTGGCTTACTCTAGGAAAATAAATAAAAGATCGGAAGAGCGGTTCAG
chr4	55593334	55593373	KIT_644	-	GTGACCTATGCACCAGACGTAGAGAAATGTGGAATCACAAACTTTGGCAGGATGGGATCTAGATCGGAAGAGCGGTTCAG
chr4	55593532	55593571	KIT_645	-	GTGACCTATGCACCAGACGTAAAGGGAAAAATAGATCACCTTTTAATAATTATTGTCTCAAGATCGGAAGAGCGGTTCAG
chr4	55593939	55593978	KIT_646	-	GTGACCTATGCACCAGACGTGAAGACAACAAGGTAAGTGGTGATGGTGCTGGTGGTGGAAAGATCGGAAGAGCGGTTCAG
chr4	55594127	55594166	KIT_647	-	GTGACCTATGCACCAGACGTAAACATGCATTTTAGCAAAAAGCACAACTGGCAAACTGATAGATCGGAAGAGCGGTTCAG
chr4	55595451	55595490	KIT_648	-	GTGACCTATGCACCAGACGTATAAGAAAAGGTTAGAAAGAAGGTGAGATATATAGATTAAAGATCGGAAGAGCGGTTCAG
chr4	55597444	55597483	KIT_649	-	GTGACCTATGCACCAGACGTTGAAACAAGTCATGACTGAATCAAGTGGGACATGTAGAAGAGATCGGAAGAGCGGTTCAG
chr4	55597987	55598026	KIT_650	-	GTGACCTATGCACCAGACGTGAGAGGATTTTTCTTAGCAATTACAACCATAAAGGTCAGGAGATCGGAAGAGCGGTTCAG
chr4	55599186	55599225	KIT_651	-	GTGACCTATGCACCAGACGTGGAGGAGAAAAGAAAACCATTTAAATTCATTTTAACTTGTAGATCGGAAGAGCGGTTCAG
chr4	55602614	55602653	KIT_652	-	GTGACCTATGCACCAGACGTAGCACAACAGAGTCAATAATGTTAATTCAGAAGCTCAACAAGATCGGAAGAGCGGTTCAG
chr4	55602837	55602876	KIT_653	-	GTGACCTATGCACCAGACGTGTTTGCAAAGCAGTGTTAATCACAAGGAAGCAGGACACCAAGATCGGAAGAGCGGTTCAG
chr4	55603291	55603330	KIT_654	-	GTGACCTATGCACCAGACGTAGGGCCATTTACTATCCCTCCTCAATGCCCTCAGCTTGTTAGATCGGAAGAGCGGTTCAG
chr4	55604545	55604584	KIT_655	-	GTGACCTATGCACCAGACGTCAAGCCCATAGTCAATACAGCAGTCCCTACAACGAACATAAGATCGGAAGAGCGGTTCAG
chr10	43572657	43572696	RET_656	-	GTGACCTATGCACCAGACGTCGCTGGGGCCACGGCTGGAGGGACTGCGGCTAGGGCCGGCAGATCGGAAGAGCGGTTCAG
chr10	43595857	43595896	RET_657	-	GTGACCTATGCACCAGACGTTAGGGAAGTGAGTGAGGGATGGTGAGAATAAGGCTTCTTCAGATCGGAAGAGCGGTTCAG
chr10	43597740	43597779	RET_658	-	GTGACCTATGCACCAGACGTAAGTCAGGTCTGTGGGGGCATCGGCCACATCTGCCAGGCAAGATCGGAAGAGCGGTTCAG
chr10	43600350	43600389	RET_659	-	GTGACCTATGCACCAGACGTAGCAGACAGGGGCCCCGCGTGATCACCAGCCGGGACCGGGAGATCGGAAGAGCGGTTCAG
chr10	43601774	43601813	RET_660	-	GTGACCTATGCACCAGACGTCAGAGGGCGTTGGTCAGTGCAGGCGAGATGGGCCCCTCAGAGATCGGAAGAGCGGTTCAG
chr10	43604429	43604468	RET_661	-	GTGACCTATGCACCAGACGTGGGCACAACAATGACCACCAAGCTGCTCTGGCTGCTTCCTAGATCGGAAGAGCGGTTCAG
chr10	43606605	43606644	RET_662	-	GTGACCTATGCACCAGACGTACAGGGGAACACCTTAGCCAGGCAGCTGGACCGGCCTGTAAGATCGGAAGAGCGGTTCAG
chr10	43607497	43607536	RET_663	-	GTGACCTATGCACCAGACGTCAGACAAGCAGGGTCACAGGGGGCTGGCCTGGGCCCAGCGAGATCGGAAGAGCGGTTCAG
chr10	43608251	43608290	RET_664	-	GTGACCTATGCACCAGACGTCACACAGCAGGCTGTCACCCATGTGGGAGCCCCGCCACACAGATCGGAAGAGCGGTTCAG
chr10	43608954	43608993	RET_665	-	GTGACCTATGCACCAGACGTACGTAGCCCACTCAGCCTCCTGGGGCGCCTGACCACCCCAAGATCGGAAGAGCGGTTCAG
chr10	43609878	43609917	RET_666	-	GTGACCTATGCACCAGACGTGGGTGGTGTGAGGCTTGGCACCGCCAGAGGCTCGGCACCAAGATCGGAAGAGCGGTTCAG
chr10	43611982	43612021	RET_667	-	GTGACCTATGCACCAGACGTAATGAGGGAAGGGGGAGAAGAGGGGGGAAAAGTGTGAGGAAGATCGGAAGAGCGGTTCAG
chr10	43613771	43613810	RET_668	-	GTGACCTATGCACCAGACGTGCACAGAGCAGGTTGCAAACGATCGCTCCTGGAAGCCCCTAGATCGGAAGAGCGGTTCAG
chr10	43614929	43614968	RET_669	-	GTGACCTATGCACCAGACGTAGAGAGGGGGCCCTGGGCGTGCGGGTCAGGCAGCTTGGGTAGATCGGAAGAGCGGTTCAG
chr10	43615479	43615518	RET_670	-	GTGACCTATGCACCAGACGTAAATAGCACGAGTCGTCAGGCCATGGCCAGGCAGCAGCGGAGATCGGAAGAGCGGTTCAG
chr10	43617344	43617383	RET_671	-	GTGACCTATGCACCAGACGTGATGGAATAAAGACATTGAAGTTACTCTAACTCTCTAGGAAGATCGGAAGAGCGGTTCAG
chr10	43619069	43619108	RET_672	-	GTGACCTATGCACCAGACGTTGAAAGGACCAGTGAGTGGCTCCACCTGGCCCTCACAGAGAGATCGGAAGAGCGGTTCAG
chr10	43620281	43620320	RET_673	-	GTGACCTATGCACCAGACGTGAGCAGACAGGCCAATATGATCCAAGCAGGGCCAGGTCTCAGATCGGAAGAGCGGTTCAG
chr10	43621973	43622012	RET_674	-	GTGACCTATGCACCAGACGTGAGATGGCCGGTCACTCCAAGCCATGTGCCACAACTAGATAGATCGGAAGAGCGGTTCAG
chr10	43623510	43623549	RET_675	-	GTGACCTATGCACCAGACGTAAACAGATCATTTGTTCTGCACTGAAGAACCAAAACTTCAAGATCGGAAGAGCGGTTCAG
chr14	105236628	105236667	AKT1_676	-	GTGACCTATGCACCAGACGTGACTGCGCTGGACGATAGCTTGGAGGGATGGAGAGGCGGCAGATCGGAAGAGCGGTTCAG
chr14	105237032	105237071	AKT1_677	-	GTGACCTATGCACCAGACGTACTGCCTGCCCCCGCCCACTCCCTTTTCTCTCCACACTCAAGATCGGAAGAGCGGTTCAG
chr14	105238652	105238691	AKT1_678	-	GTGACCTATGCACCAGACGTTCCCCGCATATTCACGCGCACGCATGCTCCCCACATATCCAGATCGGAAGAGCGGTTCAG
chr14	105239165	105239204	AKT1_679	-	GTGACCTATGCACCAGACGTCCCATCCCAGCTACAGGCTACACCTCCATCCCCTCATCCCAGATCGGAAGAGCGGTTCAG
chr14	105239538	105239577	AKT1_680	-	GTGACCTATGCACCAGACGTCACCTGCGTGCATACGCGTTGCTGCGTCCCCACGTCCTGAAGATCGGAAGAGCGGTTCAG
chr14	105239742	105239781	AKT1_681	-	GTGACCTATGCACCAGACGTGGGCAGGCAGGGGGGCAGGGCCCTGGGGGCCTGGCGGCACAGATCGGAAGAGCGGTTCAG
chr14	105240199	105240238	AKT1_682	-	GTGACCTATGCACCAGACGTGGGCTGCGGGGGATGGACTTCGCGGCCTGTGGGCCGCCCAAGATCGGAAGAGCGGTTCAG
chr14	105241225	105241264	AKT1_683	-	GTGACCTATGCACCAGACGTGCCCAGATGGGGCTGAAGGGCTGGGGCCAGGTAGCGACTCAGATCGGAAGAGCGGTTCAG
chr14	105241363	105241402	AKT1_684	-	GTGACCTATGCACCAGACGTGGCGGTGGGGCAGGGTGGAGATGAGGGTGCGGGGTGGCAGAGATCGGAAGAGCGGTTCAG
chr14	105241939	105241978	AKT1_685	-	GTGACCTATGCACCAGACGTTCCCCACTTCTGCCTGTGCCTGGGGCTGCCTTGGACTGTGAGATCGGAAGAGCGGTTCAG
chr14	105242946	105242985	AKT1_686	-	GTGACCTATGCACCAGACGTTGTGGCGGCCAGGCCAGGCACTTGGGCAGCCCCAGCGCTTAGATCGGAAGAGCGGTTCAG
chr14	105246375	105246414	AKT1_687	-	GTGACCTATGCACCAGACGTCCTTGGCCTCTCGGGATTCAGATTTGGGGGGTTGGCTGGAAGATCGGAAGAGCGGTTCAG
chr14	105258885	105258924	AKT1_688	-	GTGACCTATGCACCAGACGTGCTGCCAGGGCTGGGCCTGGGGAGGGAGAGATGGGGGTAGAGATCGGAAGAGCGGTTCAG
chr20	39766232	39766271	PLCG1_689	-	GTGACCTATGCACCAGACGTCTGGGGGCGGCGGCGGCACAGGCCAGGACCGCCCGGGAGCAGATCGGAAGAGCGGTTCAG
chr20	39788196	39788235	PLCG1_690	-	GTGACCTATGCACCAGACGTAGCAAAGAGGCCAAGATCAAGCTGGGGTCTCCCAGAGTCAAGATCGGAAGAGCGGTTCAG
chr20	39788460	39788499	PLCG1_691	-	GTGACCTATGCACCAGACGTGGTATCAATAGCTGCCCCGAGGGCACATACCTCCCACTGGAGATCGGAAGAGCGGTTCAG
chr20	39788696	39788735	PLCG1_692	-	GTGACCTATGCACCAGACGTAAGCCTGAGGTGAGGGCCACTTCTCCATCTACAGTCAGGCAGATCGGAAGAGCGGTTCAG
chr20	39791042	39791081	PLCG1_693	-	GTGACCTATGCACCAGACGTAGGGACATCCCCAGTGGTCTCATCCAGCTTCTCATGACCTAGATCGGAAGAGCGGTTCAG
chr20	39791232	39791271	PLCG1_694	-	GTGACCTATGCACCAGACGTTAGAGCAGGAGTGCCAGTCAGGCAGTCAGGCCCCCAGCTGAGATCGGAAGAGCGGTTCAG
chr20	39791548	39791587	PLCG1_695	-	GTGACCTATGCACCAGACGTCAGAACCTGGTCAGGGCAAGACCCCTGGGAGGCCATGTGGAGATCGGAAGAGCGGTTCAG
chr20	39791793	39791832	PLCG1_696	-	GTGACCTATGCACCAGACGTAGAAGGTAAGCTAGCTAGTATGGTCAACAGACAACAAGGTAGATCGGAAGAGCGGTTCAG

chr20	39791968	39792007	PLCG1_697	-	GTGACCTATGCACCAGACGTAGGGAGGGCAGGGGATGAGAGAAGCCTCCAGTCAGGGATGAGATCGGAAGAGCGGTTCAG
chr20	39792305	39792344	PLCG1_698	-	GTGACCTATGCACCAGACGTACATGTGGAAGGGAAGAGACAGTGAGTCCCTGCCCTGTCCAGATCGGAAGAGCGGTTCAG
chr20	39792511	39792550	PLCG1_699	-	GTGACCTATGCACCAGACGTAAGGAGAGGCAGGTAGGTATGGTCAGATGGGCCCTCCTGGAGATCGGAAGAGCGGTTCAG
chr20	39792671	39792710	PLCG1_700	-	GTGACCTATGCACCAGACGTACATCACCATGGTCAAGCGGGCAGGCCTCCCATCTTCCCTAGATCGGAAGAGCGGTTCAG
chr20	39793523	39793562	PLCG1_701	-	GTGACCTATGCACCAGACGTGGGGACAAGCACAGTGAAACAGATTCTGCAATTCTCTGGGAGATCGGAAGAGCGGTTCAG
chr20	39793835	39793874	PLCG1_702	-	GTGACCTATGCACCAGACGTAACCAGAACAGGGCAATGCAGACCCCAGTCCTCACCCCACAGATCGGAAGAGCGGTTCAG
chr20	39794040	39794079	PLCG1_703	-	GTGACCTATGCACCAGACGTCCAAAGAGGGACTTGTGAGCCAGGGTCCTCACACCCACTGAGATCGGAAGAGCGGTTCAG
chr20	39794229	39794268	PLCG1_704	-	GTGACCTATGCACCAGACGTAAGGCAACAGCAAAGATACTGTGACCCTGGCCCAGGCCTGAGATCGGAAGAGCGGTTCAG
chr20	39794784	39794823	PLCG1_705	-	GTGACCTATGCACCAGACGTCACAGAGTGAGGGAGGCTGGGGAAAACAGGCCAGGGCCCCAGATCGGAAGAGCGGTTCAG
chr20	39795066	39795105	PLCG1_706	-	GTGACCTATGCACCAGACGTGCAGAGTCAGGCCCGGCCAGCACCACCCATGGCCCTGCCCAGATCGGAAGAGCGGTTCAG
chr20	39795269	39795308	PLCG1_707	-	GTGACCTATGCACCAGACGTACAAAACAGTCACACAGGGTCAGGGCAGCTCAGACCCAAGAGATCGGAAGAGCGGTTCAG
chr20	39796442	39796481	PLCG1_708	-	GTGACCTATGCACCAGACGTGACACAATGGGATATGTTAATGCCCCAGAGCCCAGAGGTAAGATCGGAAGAGCGGTTCAG
chr20	39797357	39797396	PLCG1_709	-	GTGACCTATGCACCAGACGTGAGAAGCACCAGTCAGAGCAGAAAGGCTCTCCCTGCCACTAGATCGGAAGAGCGGTTCAG
chr20	39797669	39797708	PLCG1_710	-	GTGACCTATGCACCAGACGTCACAGGGTGCTGACCTCCAGCAACCACCCCGAACTCCCATAGATCGGAAGAGCGGTTCAG
chr20	39798047	39798086	PLCG1_711	-	GTGACCTATGCACCAGACGTCAAAGCCCACCAATGGTCAGCATGGCTACTGCATATGTGTAGATCGGAAGAGCGGTTCAG
chr20	39798702	39798741	PLCG1_712	-	GTGACCTATGCACCAGACGTGAGAGCAGATAACAGCTGGGAATAGACATCTCACCCCCTCAGATCGGAAGAGCGGTTCAG
chr20	39800783	39800822	PLCG1_713	-	GTGACCTATGCACCAGACGTACACAAGGCCCTGTAGCCCCAGGCTACAGCCCTGCCCAGGAGATCGGAAGAGCGGTTCAG
chr20	39801011	39801050	PLCG1_714	-	GTGACCTATGCACCAGACGTCAGGGAAAACACTTACAGAGCCCGCCCACCCAGGAAGTGTAGATCGGAAGAGCGGTTCAG
chr20	39801319	39801358	PLCG1_715	-	GTGACCTATGCACCAGACGTCAGATTATGGTGTATTCCAGTCCAGCTGCCCCACAGTGCCAGATCGGAAGAGCGGTTCAG
chr20	39802010	39802049	PLCG1_716	-	GTGACCTATGCACCAGACGTACAAAGAAGGGCCTGGGATTGTCCTTCCTGCTCCCTCCAAAGATCGGAAGAGCGGTTCAG
chr20	39802242	39802281	PLCG1_717	-	GTGACCTATGCACCAGACGTAACGACAAAAGGCTTCAGGTCACCGTGGGAGAGGATGGGAAGATCGGAAGAGCGGTTCAG
chr20	39802513	39802552	PLCG1_718	-	GTGACCTATGCACCAGACGTGAAAAGCCTGGCCCTCAGCCCACGAGGGACAGAGCAAGGGAGATCGGAAGAGCGGTTCAG
chr20	39802714	39802753	PLCG1_719	-	GTGACCTATGCACCAGACGTGCCAGGTGCACAAGAGGGTCAATGACTCCTCTGCACTTCTAGATCGGAAGAGCGGTTCAG
chr20	39802717	39802756	PLCG1_720	-	GTGACCTATGCACCAGACGTGAAGCCAGGTGCACAAGAGGGTCAATGACTCCTCTGCACTAGATCGGAAGAGCGGTTCAG
chr20	39803057	39803096	PLCG1_721	-	GTGACCTATGCACCAGACGTGGGAAGAGTGTCCTTACTGGCAGGCAGGGCCTTGCAGCCCAGATCGGAAGAGCGGTTCAG
chr19	11094778	11094817	SMARCA4_722	-	GTGACCTATGCACCAGACGTGCTGCAGACAGTGGCCTCCTGCTGGAAGACAGTCCTGGTCAGATCGGAAGAGCGGTTCAG
chr19	11095899	11095938	SMARCA4_723	-	GTGACCTATGCACCAGACGTGACCATGGCAAGGCAGGGTCAGCATGTGGAACGTGAGGTGAGATCGGAAGAGCGGTTCAG
chr19	11096815	11096854	SMARCA4_724	-	GTGACCTATGCACCAGACGTAGGTCAGCCCACTGGTCACTCGGCAGCATATGTCTGTGATAGATCGGAAGAGCGGTTCAG
chr19	11097531	11097570	SMARCA4_725	-	GTGACCTATGCACCAGACGTGGAGAAACAAAAGAGAAAACAGTGCGTCCCAGGTTTATGCAGATCGGAAGAGCGGTTCAG
chr19	11098292	11098331	SMARCA4_726	-	GTGACCTATGCACCAGACGTGCAAGGGGCCAGGGCGTCATGTTGAGCTCTGGGGCCCATCAGATCGGAAGAGCGGTTCAG
chr19	11099943	11099982	SMARCA4_727	-	GTGACCTATGCACCAGACGTAGACAAGGAGCAAAGGCGGTGAGAGGGTTGCCAGGGCACCAGATCGGAAGAGCGGTTCAG
chr19	11101776	11101815	SMARCA4_728	-	GTGACCTATGCACCAGACGTGAAGAGGACAAGCCCGCGCACTGCACAGCTCTGTGGCATCAGATCGGAAGAGCGGTTCAG
chr19	11105454	11105493	SMARCA4_729	-	GTGACCTATGCACCAGACGTGCACAAAAGAGAAGGCTGACCCTTCAGCAGCATGGTGGACAGATCGGAAGAGCGGTTCAG
chr19	11106839	11106878	SMARCA4_730	-	GTGACCTATGCACCAGACGTATGGGGGTTACTGCAATGTGGTGGCACAATGTGCATGTCTAGATCGGAAGAGCGGTTCAG
chr19	11107120	11107159	SMARCA4_731	-	GTGACCTATGCACCAGACGTAGAGAGACACGGTCAGGCCCTGACCCACAAGGCTGAGGCCAGATCGGAAGAGCGGTTCAG
chr19	11113655	11113694	SMARCA4_732	-	GTGACCTATGCACCAGACGTGTCATTCGTGTGACACTGAGGTTGCAGGGCCTCCAGACCAAGATCGGAAGAGCGGTTCAG
chr19	11113966	11114005	SMARCA4_733	-	GTGACCTATGCACCAGACGTTGTAAGGGCTTTCATACAAATCTGCTCAGAGCCAGCAGAAAGATCGGAAGAGCGGTTCAG
chr19	11118528	11118567	SMARCA4_734	-	GTGACCTATGCACCAGACGTACAAGCCCATGTCACCTCAGTTCATCCCCCAGAGAGGGGGAGATCGGAAGAGCGGTTCAG
chr19	11121007	11121046	SMARCA4_735	-	GTGACCTATGCACCAGACGTGATGGAGGTGCCGGGTAAGGACACACATTCCTATCTGTGAAGATCGGAAGAGCGGTTCAG
chr19	11123575	11123614	SMARCA4_736	-	GTGACCTATGCACCAGACGTAGATGCGGCCACGCCAGGACTGAAGGCCGGGTCGGACACCAGATCGGAAGAGCGGTTCAG
chr19	11129583	11129622	SMARCA4_737	-	GTGACCTATGCACCAGACGTAAGGAAATGAGAGTCAAGTGCCGGTCTCTCATCAATGGCTAGATCGGAAGAGCGGTTCAG
chr19	11130217	11130256	SMARCA4_738	-	GTGACCTATGCACCAGACGTAGCAGGATGCACAGCTCGGCTTTTGGAGCCGGGTGGCCAGAGATCGGAAGAGCGGTTCAG
chr19	11132351	11132390	SMARCA4_739	-	GTGACCTATGCACCAGACGTCAGAGTGGGCAATCAGGGCAGGGGGCAGCAGGTGGCCCGGAGATCGGAAGAGCGGTTCAG
chr19	11134144	11134183	SMARCA4_740	-	GTGACCTATGCACCAGACGTCCAAGACAGGAGAAGCAAGCGTTACCTCCAAAGGAGGGCGAGATCGGAAGAGCGGTTCAG
chr19	11134957	11134996	SMARCA4_741	-	GTGACCTATGCACCAGACGTCACATAATGCTCACGAGGGCCCAAGGTGGCTTGAGGCCTGAGATCGGAAGAGCGGTTCAG
chr19	11136048	11136087	SMARCA4_742	-	GTGACCTATGCACCAGACGTGATGAGAGGGACCCAAATGGGGTCTTGCCCTCCTGGGGTGAGATCGGAAGAGCGGTTCAG
chr19	11136926	11136965	SMARCA4_743	-	GTGACCTATGCACCAGACGTAGGAGAGAGGGGTCAGTGACAGGCAGGAGCAGGCCACCGGAGATCGGAAGAGCGGTTCAG
chr19	11138410	11138449	SMARCA4_744	-	GTGACCTATGCACCAGACGTGAGGAGGCAGGAGAGAAGGCGCAGGATGTTAAACCTGGAAAGATCGGAAGAGCGGTTCAG
chr19	11141356	11141395	SMARCA4_745	-	GTGACCTATGCACCAGACGTCAGAGGAGAACAGGGTCAGCGGGGTGACCTCAGGGGTAGAAGATCGGAAGAGCGGTTCAG
chr19	11143916	11143955	SMARCA4_746	-	GTGACCTATGCACCAGACGTAGGTGCCAGTCAGTCCCAAAGGAGCCCAGGAGGTCATAAAAGATCGGAAGAGCGGTTCAG
chr19	11144749	11144788	SMARCA4_747	-	GTGACCTATGCACCAGACGTGCAAACTGTCAGTGCCGCTGAGGAGGGGCCGGGGTGGGCGAGATCGGAAGAGCGGTTCAG
chr19	11145540	11145579	SMARCA4_748	-	GTGACCTATGCACCAGACGTGGGAGGCAACGGGAGAGGCATCAGCATGCAGGCACCAGGGAGATCGGAAGAGCGGTTCAG
chr19	11151924	11151963	SMARCA4_749	-	GTGACCTATGCACCAGACGTAAAATAGGACAGCCAGCACCCAGGTCGACAAGCAGAGGCCAGATCGGAAGAGCGGTTCAG
chr19	11151933	11151972	SMARCA4_750	-	GTGACCTATGCACCAGACGTAATAGTAGTAAAATAGGACAGCCAGCACCCAGGTCGACAAAGATCGGAAGAGCGGTTCAG
chr19	11168881	11168920	SMARCA4_751	-	GTGACCTATGCACCAGACGTGAACCGGCGGCTATCACCCCCGAGTCCGCCCACCCGGGAGAGATCGGAAGAGCGGTTCAG
chr19	11168884	11168923	SMARCA4_752	-	GTGACCTATGCACCAGACGTGCAGAACCGGCGGCTATCACCCCCGAGTCCGCCCACCCGGAGATCGGAAGAGCGGTTCAG
chr19	11169414	11169453	SMARCA4_753	-	GTGACCTATGCACCAGACGTCGGGAGGAGCAGGTCTTACCTCAGGACCCCGCCTCGCCTGAGATCGGAAGAGCGGTTCAG
chr19	11170379	11170418	SMARCA4_754	-	GTGACCTATGCACCAGACGTACACCAGGGGCTTGAGTGGATGGGCCCGACTGGAGGGCTGAGATCGGAAGAGCGGTTCAG

chr19	11170671	11170710	SMARCA4_755	-	GTGACCTATGCACCAGACGTCCGGGAGGGAAAGACAGCCTTGAGCTCTGGGAATGCAGCAAGATCGGAAGAGCGGTTCAG
chr19	11172410	11172449	SMARCA4_756	-	GTGACCTATGCACCAGACGTGACAGGAGGAGAGAGTGTGCGTTGGCCACCCCTGCCAGGGAGATCGGAAGAGCGGTTCAG
chr16	68772150	68772189	CDH1_757	-	GTGACCTATGCACCAGACGTGGAAAGGTAGATGGAACCGGGTGACTCGGAGGGTTCCCTCAGATCGGAAGAGCGGTTCAG
chr16	68835523	68835562	CDH1_758	-	GTGACCTATGCACCAGACGTGAAATCACAGAGATTAGGAAATTGGACAGATTAAAGACAAAGATCGGAAGAGCGGTTCAG
chr16	68842277	68842316	CDH1_759	-	GTGACCTATGCACCAGACGTAGAAGATGAGGAACAAGATAAGACAATTCAAGACGGATACAGATCGGAAGAGCGGTTCAG
chr16	68842546	68842585	CDH1_760	-	GTGACCTATGCACCAGACGTAATGAAAGAAAAAGAATTAGTAAAGAAGGATCCCAACACTAGATCGGAAGAGCGGTTCAG
chr16	68844050	68844089	CDH1_761	-	GTGACCTATGCACCAGACGTCAAGTGAGGGTGACTTGAGCTCTGATGAGGAAGAAAACATAGATCGGAAGAGCGGTTCAG
chr16	68845537	68845576	CDH1_762	-	GTGACCTATGCACCAGACGTTCAAGGAGATGAAGGTTTAGACAAGCTGCACTTTGGGACTAGATCGGAAGAGCGGTTCAG
chr16	68845988	68846027	CDH1_763	-	GTGACCTATGCACCAGACGTATCGACACAACCAAGTCAGGACCAGGAACACTAGCCACCTAGATCGGAAGAGCGGTTCAG
chr16	68847166	68847205	CDH1_764	-	GTGACCTATGCACCAGACGTAAGAGATGTGTCATTTACAAAGTACCAAGACTGCTAGCAGAGATCGGAAGAGCGGTTCAG
chr16	68849368	68849407	CDH1_765	-	GTGACCTATGCACCAGACGTGAAACAATGAAGTTAAAAACAAAACGAAACATTTTGTGTTAGATCGGAAGAGCGGTTCAG
chr16	68853133	68853172	CDH1_766	-	GTGACCTATGCACCAGACGTACAAGCTCTGGCTTTTAGAATAGGACCAGCAAACAACATGAGATCGGAAGAGCGGTTCAG
chr16	68855854	68855893	CDH1_767	-	GTGACCTATGCACCAGACGTATACACAGAAAATGTGGCAGCTTGGCAACAGTAATGAATCAGATCGGAAGAGCGGTTCAG
chr16	68857252	68857291	CDH1_768	-	GTGACCTATGCACCAGACGTCAATAAAAAGAAATGATGAGACCAGGGGAGGAAAATAAAAAGATCGGAAGAGCGGTTCAG
chr16	68862027	68862066	CDH1_769	-	GTGACCTATGCACCAGACGTGGGGGAGACAGAGCAAGTGTTGAGAGCCAAAGATAAAGAAAGATCGGAAGAGCGGTTCAG
chr16	68863507	68863546	CDH1_770	-	GTGACCTATGCACCAGACGTAAAAGGTTGAAGTACAATGAAGAGTAGGAAAGAAATAGTCAGATCGGAAGAGCGGTTCAG
chr16	68867143	68867182	CDH1_771	-	GTGACCTATGCACCAGACGTAGGGACAAAAGCATCTTTTAGTGAAAGGAAGGGCACACCTAGATCGGAAGAGCGGTTCAG
chr6	36651829	36651868	CDKN1A_772	-	GTGACCTATGCACCAGACGTGCAGAGATACAAGGAAGGCCCTGGTCACGGCGGAGATTAGAGATCGGAAGAGCGGTTCAG
chr6	36653478	36653517	CDKN1A_773	-	GTGACCTATGCACCAGACGTACAGCAGAAGTCAGCCAGGCCAAGAAGAAGAGGACGCGGCAGATCGGAAGAGCGGTTCAG
chr19	10244293	10244332	DNMT1_774	-	GTGACCTATGCACCAGACGTCCGTCACCCCTGTTTCTGGCACCAGGAATCCCCAACATGCAGATCGGAAGAGCGGTTCAG
chr19	10244843	10244882	DNMT1_775	-	GTGACCTATGCACCAGACGTGTGGGCCAGGCTTCCTCTGGGGCCTGACTGCCCTCTGGGGAGATCGGAAGAGCGGTTCAG
chr19	10246362	10246401	DNMT1_776	-	GTGACCTATGCACCAGACGTCGGCGCCCGCTGGGTCTGGACAGGAAGGAGGCTTCTGTGCAGATCGGAAGAGCGGTTCAG
chr19	10246747	10246786	DNMT1_777	-	GTGACCTATGCACCAGACGTAGGGGGCATCCGAGGGCCTGGGTCAGGCCCTGTACTTGGCAGATCGGAAGAGCGGTTCAG
chr19	10247711	10247750	DNMT1_778	-	GTGACCTATGCACCAGACGTTAAGTTGTGGTTCCCGGTGGGCTGAGGGGAAGGAAGGCAGAGATCGGAAGAGCGGTTCAG
chr19	10248458	10248497	DNMT1_779	-	GTGACCTATGCACCAGACGTCCTGACAGAGCGGCTCCTCCTCGAGGCCCAGCCCAGCAGCAGATCGGAAGAGCGGTTCAG
chr19	10249065	10249104	DNMT1_780	-	GTGACCTATGCACCAGACGTCCCGTCGCTCCTCCACACACTGCCGAGCAGGCCTCAGTAGAGATCGGAAGAGCGGTTCAG
chr19	10250302	10250341	DNMT1_781	-	GTGACCTATGCACCAGACGTGGGCTGGGGCGGGCAGACAGATGTGGCCAGCACGTGACCCAGATCGGAAGAGCGGTTCAG
chr19	10250672	10250711	DNMT1_782	-	GTGACCTATGCACCAGACGTAGAAGCCCCCCAGTGTTGCCAGACGGCCCGGGGCTGTGCCAGATCGGAAGAGCGGTTCAG
chr19	10251407	10251446	DNMT1_783	-	GTGACCTATGCACCAGACGTGTAGGCTCCATCTCTGAATACCTGGTGAGCCCAGACCGGGAGATCGGAAGAGCGGTTCAG
chr19	10251731	10251770	DNMT1_784	-	GTGACCTATGCACCAGACGTGTATGAGTTTCTTTTCAAGTTATTCTTCTGTAACTTGGAGAGATCGGAAGAGCGGTTCAG
chr19	10252654	10252693	DNMT1_785	-	GTGACCTATGCACCAGACGTTGCTTGCTAGAGGGAAGGCTTCGGGGTCAAAGTTGGCCAGAGATCGGAAGAGCGGTTCAG
chr19	10254392	10254431	DNMT1_786	-	GTGACCTATGCACCAGACGTGCCTCTGTTCTTCCACGAGGCCACAGACTCTTCTAGAAGGAGATCGGAAGAGCGGTTCAG
chr19	10256977	10257016	DNMT1_787	-	GTGACCTATGCACCAGACGTCCTCGGAGCAGCCGGGGCCAGGGCGCTCCAGGCTGAGCCAAGATCGGAAGAGCGGTTCAG
chr19	10259510	10259549	DNMT1_788	-	GTGACCTATGCACCAGACGTGGGCTGGACTCGGGGTCAGCAGGCACTTTCAGCCCACATCAGATCGGAAGAGCGGTTCAG
chr19	10260079	10260118	DNMT1_789	-	GTGACCTATGCACCAGACGTGGTGTCCCTCGTGAGCCCCTGCCTTATCGTGGAGGGTCACAGATCGGAAGAGCGGTTCAG
chr19	10260479	10260518	DNMT1_790	-	GTGACCTATGCACCAGACGTTTCTTTTTGCTTGACTTCTGCATGCACTTTCTCATCAAGTAGATCGGAAGAGCGGTTCAG
chr19	10262024	10262063	DNMT1_791	-	GTGACCTATGCACCAGACGTGAGCCCCTTGGTCAGCTCACTGCCATGTTCCCAATAAGCAAGATCGGAAGAGCGGTTCAG
chr19	10262376	10262415	DNMT1_792	-	GTGACCTATGCACCAGACGTCCGAGTCTTCCTCCTGTGGCAGAGGACTTGCCAGCTGGTGAGATCGGAAGAGCGGTTCAG
chr19	10264919	10264958	DNMT1_793	-	GTGACCTATGCACCAGACGTCTGTGGGTGCTCCCGCTCCCCTAAGGTGGCCCAGCCTCTGAGATCGGAAGAGCGGTTCAG
chr19	10265212	10265251	DNMT1_794	-	GTGACCTATGCACCAGACGTGGCAGGGACCAGAGTGAAGACTGGAGACCGGGGAGGGTAGAGATCGGAAGAGCGGTTCAG
chr19	10265531	10265570	DNMT1_795	-	GTGACCTATGCACCAGACGTGAGGGTCCTCAGCATCCGGGATTCCCACTGGAAACTTGCCAGATCGGAAGAGCGGTTCAG
chr19	10266479	10266518	DNMT1_796	-	GTGACCTATGCACCAGACGTGGCCCATCATAGGCTGGCCGGGGTCTGAAAGGGGCCTTCAAGATCGGAAGAGCGGTTCAG
chr19	10270284	10270323	DNMT1_797	-	GTGACCTATGCACCAGACGTTTTCGTGTGCATGTTTGCTTCGTGGAAGGAGGCACATCCCAGATCGGAAGAGCGGTTCAG
chr19	10270468	10270507	DNMT1_798	-	GTGACCTATGCACCAGACGTCTCTCTTCCCAGCCTTCCTCTGCCTGTCCCTTGTCCCACTAGATCGGAAGAGCGGTTCAG
chr19	10270644	10270683	DNMT1_799	-	GTGACCTATGCACCAGACGTGCCGGGAATAAAGCCGGTGGCGGCGCTCACGAGGCGGCTGAGATCGGAAGAGCGGTTCAG
chr19	10271010	10271049	DNMT1_800	-	GTGACCTATGCACCAGACGTATTCTTGACATTATCGAAAGCAGATGGTAATGTTAAAATGAGATCGGAAGAGCGGTTCAG
chr19	10273952	10273991	DNMT1_801	-	GTGACCTATGCACCAGACGTAAAATGCTTGTGCTTTTGTGTCATCTGGATCAGTAGAAAGAGATCGGAAGAGCGGTTCAG
chr19	10277224	10277263	DNMT1_802	-	GTGACCTATGCACCAGACGTGTTATTTGTTTCTGAACTCCCCCTCATTCTTCTGCTCCTGAGATCGGAAGAGCGGTTCAG
chr19	10278956	10278995	DNMT1_803	-	GTGACCTATGCACCAGACGTCGAACCTGCCTTTGTGCTTTGTTGTGAAACTGAATTGCTAAGATCGGAAGAGCGGTTCAG
chr19	10283716	10283755	DNMT1_804	-	GTGACCTATGCACCAGACGTATCACCTCTAAGTTTGTTAATTCTCCCTTAATCCTATATGAGATCGGAAGAGCGGTTCAG
chr19	10284497	10284536	DNMT1_805	-	GTGACCTATGCACCAGACGTTTACTATACCTTTCTTTTTGTTCTACGAGTTGTGTAATCTAGATCGGAAGAGCGGTTCAG
chr19	10286166	10286205	DNMT1_806	-	GTGACCTATGCACCAGACGTTGCTTTCATTTCCTGACTCTACCTTAACTTGGTGTATTTGAGATCGGAAGAGCGGTTCAG
chr19	10287918	10287957	DNMT1_807	-	GTGACCTATGCACCAGACGTGATAAATTGGCGGCTGCCTTTTTTAGGGGCCGGCTGTTTTAGATCGGAAGAGCGGTTCAG
chr19	10291404	10291443	DNMT1_808	-	GTGACCTATGCACCAGACGTTCTCAGCATCCTAGCCTCTAGAAAAATGTCTCCTCCTAGTAGATCGGAAGAGCGGTTCAG
chr19	10292667	10292706	DNMT1_809	-	GTGACCTATGCACCAGACGTCCTTAAAATTTTTCTTATTACCAAATCTGACTGACACACTAGATCGGAAGAGCGGTTCAG
chr19	10305446	10305485	DNMT1_810	-	GTGACCTATGCACCAGACGTTGGGGGGGAACACGGACTCAGGGGGACAGGCAGGGCGCTGAGATCGGAAGAGCGGTTCAG
chr12	56474035	56474074	ERBB3_811	-	GTGACCTATGCACCAGACGTAGGGTGAAGGGAGCCCAGCCAAGTCCGGCCCGGGGGCCCCAGATCGGAAGAGCGGTTCAG
chr12	56477485	56477524	ERBB3_812	-	GTGACCTATGCACCAGACGTCAGAGGGAAGAGTGGCTGAGGGCTGGACACAAATTCTCAGAGATCGGAAGAGCGGTTCAG

chr12	56478729	56478768	ERBB3_813	-	GTGACCTATGCACCAGACGTGCAGATTATGTAAATGAGAGAGACAACAGGGCAAAATAATAGATCGGAAGAGCGGTTCAG
chr12	56480265	56480304	ERBB3_814	-	GTGACCTATGCACCAGACGTGAAAGAAGTGACAGGGTTAAGGGCCGCAGCGGAACGCCTCAGATCGGAAGAGCGGTTCAG
chr12	56481311	56481350	ERBB3_815	-	GTGACCTATGCACCAGACGTAGGAAGGCAACACAAGGGGCCATCAGGGCTAAGAAAGGCTAGATCGGAAGAGCGGTTCAG
chr12	56481529	56481568	ERBB3_816	-	GTGACCTATGCACCAGACGTAGAGAAAGCATGGCTGTTAGGGCTCCTAGGACTGAATTCTAGATCGGAAGAGCGGTTCAG
chr12	56481755	56481794	ERBB3_817	-	GTGACCTATGCACCAGACGTAGGAGGCTCATCAGATTTATGTTACGTGTGTACCCCTACCAGATCGGAAGAGCGGTTCAG
chr12	56482277	56482316	ERBB3_818	-	GTGACCTATGCACCAGACGTGGAGGAGGACACCATTAGAGATGAGGGAGGAACATCACCAAGATCGGAAGAGCGGTTCAG
chr12	56482482	56482521	ERBB3_819	-	GTGACCTATGCACCAGACGTAAGAGAGGTTCAGTGGGGGTGGTCTGCGCAGGCTCAGAGGAGATCGGAAGAGCGGTTCAG
chr12	56486720	56486759	ERBB3_820	-	GTGACCTATGCACCAGACGTGGAGAGAGGCATATGGGCAGGGAGCCTTCTTCTTTCTTGGAGATCGGAAGAGCGGTTCAG
chr12	56487079	56487118	ERBB3_821	-	GTGACCTATGCACCAGACGTGGAGACAGGATGAGAGGAGAGACTACTAAGGGAACATTAAAGATCGGAAGAGCGGTTCAG
chr12	56487498	56487537	ERBB3_822	-	GTGACCTATGCACCAGACGTAGGGGTGGGTTAGGAGAGGAGTCTGAGGACTCCCAGCAAGAGATCGGAAGAGCGGTTCAG
chr12	56487833	56487872	ERBB3_823	-	GTGACCTATGCACCAGACGTGAATAAAGGGAGGGGGGGGTCACTTCCAAGTCCTGACCTTAGATCGGAAGAGCGGTTCAG
chr12	56488136	56488175	ERBB3_824	-	GTGACCTATGCACCAGACGTGAGAGAAGGTCAGGAAGAATCAGATCCCAAGGTCAATTCCAGATCGGAAGAGCGGTTCAG
chr12	56488991	56489030	ERBB3_825	-	GTGACCTATGCACCAGACGTAAGTCACCACCTTAAATGAGAGCTTGGACAGCAGAGGCTCAGATCGGAAGAGCGGTTCAG
chr12	56489399	56489438	ERBB3_826	-	GTGACCTATGCACCAGACGTTATAGAAACCCAACATTATCCTGGGTTTGCATCTTCCTTAAGATCGGAAGAGCGGTTCAG
chr12	56490237	56490276	ERBB3_827	-	GTGACCTATGCACCAGACGTAATGGGAAGGAGTTACTCAGGAAAGGCCATTCCCATGTCCAGATCGGAAGAGCGGTTCAG
chr12	56490482	56490521	ERBB3_828	-	GTGACCTATGCACCAGACGTTGGGGCAGGAGTTGGCATAAGGTCATTCTCCCTAGGTCAAAGATCGGAAGAGCGGTTCAG
chr12	56490779	56490818	ERBB3_829	-	GTGACCTATGCACCAGACGTCAAAAGGTATTATCTAGGAAACCAACAGGTTCACATACACAGATCGGAAGAGCGGTTCAG
chr12	56491519	56491558	ERBB3_830	-	GTGACCTATGCACCAGACGTAGGGGAAGAAAGTATTCTTAAGGTTGGGGGAATCAGTCACAGATCGGAAGAGCGGTTCAG
chr12	56492234	56492273	ERBB3_831	-	GTGACCTATGCACCAGACGTAAGATAGAGGTATCACAAGTTTATTTCCACAAATTTTCTTAGATCGGAAGAGCGGTTCAG
chr12	56492493	56492532	ERBB3_832	-	GTGACCTATGCACCAGACGTAAGACATGGACTAGTCACTGGCAAAATAGTAGACATGGGCAGATCGGAAGAGCGGTTCAG
chr12	56493572	56493611	ERBB3_833	-	GTGACCTATGCACCAGACGTAGGTGATTGTTAGGGGGAATCCTGGTTCCAGCCAACTCCTAGATCGGAAGAGCGGTTCAG
chr12	56493908	56493947	ERBB3_834	-	GTGACCTATGCACCAGACGTAAAATAAGGAAAAGGTTAAGATGAAGGGAGAAATCTACATAGATCGGAAGAGCGGTTCAG
chr12	56494795	56494834	ERBB3_835	-	GTGACCTATGCACCAGACGTAAATAAACAGAAAATAATGCAAGGAAATTTACATGATGAGAGATCGGAAGAGCGGTTCAG
chr12	56495263	56495302	ERBB3_836	-	GTGACCTATGCACCAGACGTAGAAGAAAGGCTAGGTATGTGAAGAACTTCATGAGGGTAGAGATCGGAAGAGCGGTTCAG
chr12	56495526	56495565	ERBB3_837	-	GTGACCTATGCACCAGACGTGCAGTGGGCATGATGGGTACAGGGTGGAGTGGGCAACTCTAGATCGGAAGAGCGGTTCAG
chr9	139390473	139390512	NOTCH1_838	-	GTGACCTATGCACCAGACGTCCACGAGACCCCGGCTTCCTTTCCCAAGCCTTCGGGCGTCAGATCGGAAGAGCGGTTCAG
chr9	139393301	139393340	NOTCH1_839	-	GTGACCTATGCACCAGACGTGGCTGGGATGCCAGGGGAGACGTGAGGGCTGAATCCACAGAGATCGGAAGAGCGGTTCAG
chr9	139393514	139393553	NOTCH1_840	-	GTGACCTATGCACCAGACGTGGGGGCACGGCTGCTCTGTCGTGGGGCGGGACCGCCACAGAGATCGGAAGAGCGGTTCAG
chr9	139394954	139394993	NOTCH1_841	-	GTGACCTATGCACCAGACGTGCTGCCTGTGTGCCCACCTGCCCTCCTCAGGGCCGCCTGGAGATCGGAAGAGCGGTTCAG
chr9	139396150	139396189	NOTCH1_842	-	GTGACCTATGCACCAGACGTCAGCAGCCAGGGCTTCCCTAGCCCCGTGGCCCACCTGCCTAGATCGGAAGAGCGGTTCAG
chr9	139396403	139396442	NOTCH1_843	-	GTGACCTATGCACCAGACGTAGGCTCCCGGGCTCCTGGGCTCCCGGGCACCTGCTGCCGGAGATCGGAAGAGCGGTTCAG
chr9	139396674	139396713	NOTCH1_844	-	GTGACCTATGCACCAGACGTGCCGCCCCTGCTTCTGGGTCCCCGGTGGGAGGTGGGACCTAGATCGGAAGAGCGGTTCAG
chr9	139397584	139397623	NOTCH1_845	-	GTGACCTATGCACCAGACGTCCCCATCCCGGGAACAGGCTCTGCCTGCAGGGGGTGCCATAGATCGGAAGAGCGGTTCAG
chr9	139399075	139399114	NOTCH1_846	-	GTGACCTATGCACCAGACGTCCCGGCGCCCACGGTCAATCCCCGCAACTCTCCTGGGCCCAGATCGGAAGAGCGGTTCAG
chr9	139399712	139399751	NOTCH1_847	-	GTGACCTATGCACCAGACGTGGGGCTCATGGGGCTGAGGGAGGACCTGAACTTGGATGTGAGATCGGAAGAGCGGTTCAG
chr9	139400929	139400968	NOTCH1_848	-	GTGACCTATGCACCAGACGTGGGTGCAGGGAGGCAGGGGCCCGCCAGGGGAGACACCTGGAGATCGGAAGAGCGGTTCAG
chr9	139401118	139401157	NOTCH1_849	-	GTGACCTATGCACCAGACGTCGCCCAGGCGGGTGGGGCGTGTGGGGCAGCAGGGTGAGCCAGATCGGAAGAGCGGTTCAG
chr9	139401707	139401746	NOTCH1_850	-	GTGACCTATGCACCAGACGTCTGCACGGAGGGCTGGTGTTGGCCATCCATGGCCAGGGCAAGATCGGAAGAGCGGTTCAG
chr9	139402357	139402396	NOTCH1_851	-	GTGACCTATGCACCAGACGTCTCCTAGGGTAAGGGTTGTGGCCGGCACGAGTGTTGCCACAGATCGGAAGAGCGGTTCAG
chr9	139402634	139402673	NOTCH1_852	-	GTGACCTATGCACCAGACGTGTGCCCACCCAGCTCGGGTCCCAGCCCATCAAGGTCCTCTAGATCGGAAGAGCGGTTCAG
chr9	139403272	139403311	NOTCH1_853	-	GTGACCTATGCACCAGACGTCGGCCACAGAGGTGCCCGAAGGAGGGGCCCTGGGTGGGTGAGATCGGAAGAGCGGTTCAG
chr9	139404135	139404174	NOTCH1_854	-	GTGACCTATGCACCAGACGTCTCGAGTGAGGCCGTGGAAGGGAACGGGCGGTGCGGGCCAAGATCGGAAGAGCGGTTCAG
chr9	139405055	139405094	NOTCH1_855	-	GTGACCTATGCACCAGACGTCCGCGGCTCTGGCCTCCTCCAGGAAGCTCTCAGGCCTCAGAGATCGGAAGAGCGGTTCAG
chr9	139405554	139405593	NOTCH1_856	-	GTGACCTATGCACCAGACGTCCAGGGCCCGGTGAGGGCTGGGATGGGAGGTCAGGATGTCAGATCGGAAGAGCGGTTCAG
chr9	139407423	139407462	NOTCH1_857	-	GTGACCTATGCACCAGACGTGGTGGGGCCTGTGCTGGAGGGGGGCGGGGCCTATGTGGGAGAGATCGGAAGAGCGGTTCAG
chr9	139407794	139407833	NOTCH1_858	-	GTGACCTATGCACCAGACGTTGCGCGTTTCTCAGTGCAGAGGGCCGCCCTCGAGTCTGGGAGATCGGAAGAGCGGTTCAG
chr9	139408912	139408951	NOTCH1_859	-	GTGACCTATGCACCAGACGTGGGCCGATCATGGGGACACATCAGTCCTAAACCCTGGGAGAGATCGGAAGAGCGGTTCAG
chr9	139409692	139409731	NOTCH1_860	-	GTGACCTATGCACCAGACGTCTGCACGTGGGGGCTGACTGCACTGTGCTCAGAGGTCAAGAGATCGGAAGAGCGGTTCAG
chr9	139409885	139409924	NOTCH1_861	-	GTGACCTATGCACCAGACGTAGGCGGGTGGCCGGCGGGGGGCCAGTGGGCAGGGCGGGCCAGATCGGAAGAGCGGTTCAG
chr9	139410383	139410422	NOTCH1_862	-	GTGACCTATGCACCAGACGTGCGCCCACCAGCGGGGAGGGACTGGGGACGGGACAGGGCAAGATCGGAAGAGCGGTTCAG
chr9	139411674	139411713	NOTCH1_863	-	GTGACCTATGCACCAGACGTCCCCCGCCCCCTGCCCCCGGGTCGTCTGCACCCTGGCCTCAGATCGGAAGAGCGGTTCAG
chr9	139412154	139412193	NOTCH1_864	-	GTGACCTATGCACCAGACGTCGGGGCCAGGGCGGGAAACCGAGTCGAGGCTGGGCAGCCTAGATCGGAAGAGCGGTTCAG
chr9	139412539	139412578	NOTCH1_865	-	GTGACCTATGCACCAGACGTGCACAGGGGGTGCGGCCAGGTGGGGGTGGCAGCCTGGCCCAGATCGGAAGAGCGGTTCAG
chr9	139412993	139413032	NOTCH1_866	-	GTGACCTATGCACCAGACGTTGAGGCCCAGGTGGGCGCAGGGGGCTCACATGGGCCAGGCAGATCGGAAGAGCGGTTCAG
chr9	139413845	139413884	NOTCH1_867	-	GTGACCTATGCACCAGACGTGGGTCGCCGCAGGGCGGGGTAGCCGGGGCGGGGCTGCTACAGATCGGAAGAGCGGTTCAG
chr9	139417252	139417291	NOTCH1_868	-	GTGACCTATGCACCAGACGTCCGCTGGCCGGGGTGCACGAGCCCCTCCCCGGCTGCCAGGAGATCGGAAGAGCGGTTCAG
chr9	139418119	139418158	NOTCH1_869	-	GTGACCTATGCACCAGACGTACCCACAGCCTGAGGGGTGGGCAGACCCAGGCCCGCCGCCAGATCGGAAGAGCGGTTCAG
chr9	139438426	139438465	NOTCH1_870	-	GTGACCTATGCACCAGACGTCCCCTGCGGGACCTGTTGCTTTGTCGAGGGCAGAGCCCCTAGATCGGAAGAGCGGTTCAG

chr9	139440128	139440167	NOTCH1_871	-	GTGACCTATGCACCAGACGTACCCACCCGCGAGCCCCCACTTTCCGCGCCCTTTGGAAACAGATCGGAAGAGCGGTTCAG
chr9	139399998	139400037	NOTCH1_872	-	GTGACCTATGCACCAGACGTGCGCGACATCCCCCCGCCGCTGATCGAGGAGGCGTGCGAGAGATCGGAAGAGCGGTTCAG
chr9	139390969	139391008	NOTCH1_873	-	GTGACCTATGCACCAGACGTCAGAACCTGCAGCCAGCAAACATCCAGCAGCAGCAAAGCCAGATCGGAAGAGCGGTTCAG
chr9	139391465	139391504	NOTCH1_874	-	GTGACCTATGCACCAGACGTGCCCCTCAACCACCTGCCTGGGATGCCCGACACCCACCTGAGATCGGAAGAGCGGTTCAG
chr12	4383157	4383196	CCND2_875	-	GTGACCTATGCACCAGACGTGCGGCCCCTCTCCCTCCTGCTTTCCCCGGCCTGGAAAAAGAGATCGGAAGAGCGGTTCAG
chr12	4385121	4385160	CCND2_876	-	GTGACCTATGCACCAGACGTAGTGGGAAAGGGTTGGGGGGCGGGGGTGGAGAGCATAGCAAGATCGGAAGAGCGGTTCAG
chr12	4387876	4387915	CCND2_877	-	GTGACCTATGCACCAGACGTAGGCAGGAAGAGAAGAGGAGAATCTAAATTCCACAGGCTGAGATCGGAAGAGCGGTTCAG
chr12	4397958	4397997	CCND2_878	-	GTGACCTATGCACCAGACGTTGAGAGGCAGAAGGTCAGGGCACAGAACGAATTTGGATCCAGATCGGAAGAGCGGTTCAG
chr12	4408976	4409015	CCND2_879	-	GTGACCTATGCACCAGACGTGGTCCAGACCAGAGTTGTTAGTAAGAGGAACAGGACATAGAGATCGGAAGAGCGGTTCAG
chr8	128748790	128748829	MYC_880	-	GTGACCTATGCACCAGACGTGCTGCAAGGAGAGCCTTTCAGAGAAGCGGGTCCTGGCAGCAGATCGGAAGAGCGGTTCAG
chr8	128750444	128750483	MYC_881	-	GTGACCTATGCACCAGACGTGCACACAAAGCGGGAGGCAGTCTTGAGTTAAAGGGGTCTTAGATCGGAAGAGCGGTTCAG
chr8	128752592	128752631	MYC_882	-	GTGACCTATGCACCAGACGTGGAAATAGAAATCACTCCTTTAGCAAGGTTACATTAAAATAGATCGGAAGAGCGGTTCAG
chr8	128750830	128750869	MYC_883	-	GTGACCTATGCACCAGACGTCGTCCGGGTCGCAGATGAAACTCTGGTTCACCATGTCTCCAGATCGGAAGAGCGGTTCAG
chr8	128752873	128752912	MYC_884	-	GTGACCTATGCACCAGACGTGTGCATTTTCGGTTGTTGCTGATCTGTCTCAGGACTCTGAAGATCGGAAGAGCGGTTCAG
chr1	115251106	115251145	NRAS_885	-	GTGACCTATGCACCAGACGTATATGGTTTCTTGGCATAATTACAAATCTTAGTATATAGTAGATCGGAAGAGCGGTTCAG
chr1	115252140	115252179	NRAS_886	-	GTGACCTATGCACCAGACGTGCTTTCAGCATTTGTGCAAGAGTTTGCATCAGTTGATTAAAGATCGGAAGAGCGGTTCAG
chr1	115256371	115256410	NRAS_887	-	GTGACCTATGCACCAGACGTCATTATTTTCTCTGAAAGGATGATCTTTGTGTTCTGAATCAGATCGGAAGAGCGGTTCAG
chr1	115258621	115258660	NRAS_888	-	GTGACCTATGCACCAGACGTGTGGTAGCCCGCTGACCTGATCCTGTCTCTCACTTGTCGGAGATCGGAAGAGCGGTTCAG
chr19	40739729	40739768	AKT2_889	-	GTGACCTATGCACCAGACGTCACGCAGAGGACGCACGCTCGCTGCCATCACCGCTGGGTGAGATCGGAAGAGCGGTTCAG
chr19	40740902	40740941	AKT2_890	-	GTGACCTATGCACCAGACGTGGGGCCCCCGCGCTGGTGTGCCTGCCCCAGGGGTGGAGGGAGATCGGAAGAGCGGTTCAG
chr19	40741120	40741159	AKT2_891	-	GTGACCTATGCACCAGACGTCTGCTTGCCCCAGCAGGACCCTCAGGGACCTGGCCCACTCAGATCGGAAGAGCGGTTCAG
chr19	40741747	40741786	AKT2_892	-	GTGACCTATGCACCAGACGTGCGTCGGCCCCACCCAGCCCAGCGCCAGCTGCTGCCACTGAGATCGGAAGAGCGGTTCAG
chr19	40742114	40742153	AKT2_893	-	GTGACCTATGCACCAGACGTTTGGTGGGGGTAGGAACGTGTGAGGCCAAGGGTAGGGGGAAGATCGGAAGAGCGGTTCAG
chr19	40743826	40743865	AKT2_894	-	GTGACCTATGCACCAGACGTGGGTGTGCGCCAGGCTGACCTGTGGCATGCACACCACATGAGATCGGAAGAGCGGTTCAG
chr19	40744762	40744801	AKT2_895	-	GTGACCTATGCACCAGACGTGCTGCCTTGACTTTGCCCTCTGGGGCCTCCTTCTTTAGGGAGATCGGAAGAGCGGTTCAG
chr19	40745902	40745941	AKT2_896	-	GTGACCTATGCACCAGACGTCTCCCCTTCCCAGACAGTGTGAGGCCAGCCTTTGGACAGAAGATCGGAAGAGCGGTTCAG
chr19	40747795	40747834	AKT2_897	-	GTGACCTATGCACCAGACGTCGGGAATTGCGCTCGCGAGCCTCTGTGGGGGCTGCGGTCTAGATCGGAAGAGCGGTTCAG
chr19	40748391	40748430	AKT2_898	-	GTGACCTATGCACCAGACGTGGAGCAGGGGTGGGGCTGCCAGCCTGCGGTGCCCCCACCCAGATCGGAAGAGCGGTTCAG
chr19	40761015	40761054	AKT2_899	-	GTGACCTATGCACCAGACGTGCCTCTGTGTGGCTGCCCTTGAGAGGGAGCAAGCCTGGTGAGATCGGAAGAGCGGTTCAG
chr19	40762783	40762822	AKT2_900	-	GTGACCTATGCACCAGACGTGGATGAGTGGGTCAGTGTTCTGGTGCTCACAGGATGGCTGAGATCGGAAGAGCGGTTCAG
chr19	40771079	40771118	AKT2_901	-	GTGACCTATGCACCAGACGTGCTTTTGCCCGCCAGATTCTTTCTCCCACGCTGGCTCCTCAGATCGGAAGAGCGGTTCAG
chr16	3777669	3777708	CREBBP_902	-	GTGACCTATGCACCAGACGTGCATCACCTTTTCCCTTTCATGTTCTTGGACCTTTTGTACAGATCGGAAGAGCGGTTCAG
chr16	3781143	3781182	CREBBP_903	-	GTGACCTATGCACCAGACGTCCCCCACCCCCACCCCCACAGCCGGCCTGGGGTCTGACGAAGATCGGAAGAGCGGTTCAG
chr16	3781727	3781766	CREBBP_904	-	GTGACCTATGCACCAGACGTGCTGCGGTGCTGCAGCCGTGCCTCTGGCCGGGAGGAGGGAAGATCGGAAGAGCGGTTCAG
chr16	3785987	3786026	CREBBP_905	-	GTGACCTATGCACCAGACGTTTCTCTGAGCTCCATTGCCCACGTGTCCCGCTGGAGCTGCAGATCGGAAGAGCGGTTCAG
chr16	3786601	3786640	CREBBP_906	-	GTGACCTATGCACCAGACGTCTGAAGGAAGGTGGTGGCTTTTGTCACAACTGAGGGGAGGAGATCGGAAGAGCGGTTCAG
chr16	3788510	3788549	CREBBP_907	-	GTGACCTATGCACCAGACGTATTAAATTATTTGGAACTAGTAAGAACCCTTTATTTTTTAAGATCGGAAGAGCGGTTCAG
chr16	3789529	3789568	CREBBP_908	-	GTGACCTATGCACCAGACGTAGCTCCTTCCAGGGCGTGTCATTCAGTGAGCCGTGTTAGGAGATCGGAAGAGCGGTTCAG
chr16	3790350	3790389	CREBBP_909	-	GTGACCTATGCACCAGACGTCTGCTCTCTACAGTGCTCTGCGAGCAGTCCCCACGCCCGCAGATCGGAAGAGCGGTTCAG
chr16	3794845	3794884	CREBBP_910	-	GTGACCTATGCACCAGACGTGGAAGCTTTCTGTTTCCTGGACTGCACATTTTAGAAACTTAGATCGGAAGAGCGGTTCAG
chr16	3795228	3795267	CREBBP_911	-	GTGACCTATGCACCAGACGTTCCCCTGGCCTGGAGGGCAGTTCTGCACAGAGCCAGTGGCAGATCGGAAGAGCGGTTCAG
chr16	3799578	3799617	CREBBP_912	-	GTGACCTATGCACCAGACGTAGCTATTTCTTTTTTACTTTCAGTTTTGGTTTGAAATCGGAGATCGGAAGAGCGGTTCAG
chr16	3801677	3801716	CREBBP_913	-	GTGACCTATGCACCAGACGTTCCTGTCATTTTCTCTGGGGTGAGGGAGGGTGACCTTAAAAGATCGGAAGAGCGGTTCAG
chr16	3807239	3807278	CREBBP_914	-	GTGACCTATGCACCAGACGTAGCAGCATCCTGCATTATGTCTTAGGGCAAGGCACGTTCAAGATCGGAAGAGCGGTTCAG
chr16	3807760	3807799	CREBBP_915	-	GTGACCTATGCACCAGACGTAAGTTTTTCCGGAAAGTGAATTTTCCTGGTTAATCCAGCCAGATCGGAAGAGCGGTTCAG
chr16	3808805	3808844	CREBBP_916	-	GTGACCTATGCACCAGACGTTCATAAAAATAGATTATAACTTTGCTGGTGTGACTTCTGAAGATCGGAAGAGCGGTTCAG
chr16	3817671	3817710	CREBBP_917	-	GTGACCTATGCACCAGACGTTATTCATTACCTTATTAAAGCATGCTGCTTTTCCACGGTGAGATCGGAAGAGCGGTTCAG
chr16	3819125	3819164	CREBBP_918	-	GTGACCTATGCACCAGACGTCTCCCTAGGAATGCATTGACTGCGTATCGCAACTTTACCCAGATCGGAAGAGCGGTTCAG
chr16	3820521	3820560	CREBBP_919	-	GTGACCTATGCACCAGACGTCTGTCTCTGCTGTTTTTGGGCCAAGACTCTTAGAAGATAAAGATCGGAAGAGCGGTTCAG
chr16	3823702	3823741	CREBBP_920	-	GTGACCTATGCACCAGACGTCCACTGGGACCGTGGCTCCCTAGGAAATAAAATTCTTGTGAGATCGGAAGAGCGGTTCAG
chr16	3824520	3824559	CREBBP_921	-	GTGACCTATGCACCAGACGTTCTTTCGCTGTGCTGCAGATAGCCCTCCCTCTCACATGGAAGATCGGAAGAGCGGTTCAG
chr16	3827564	3827603	CREBBP_922	-	GTGACCTATGCACCAGACGTGTTTGTGGTGAATCATATTTTAGTTTTACATTCAACAGCCAGATCGGAAGAGCGGTTCAG
chr16	3827962	3828001	CREBBP_923	-	GTGACCTATGCACCAGACGTTATTTCCTACTGCCATCCCTTAGCCTGTTTCCTTGGTTTTAGATCGGAAGAGCGGTTCAG
chr16	3828651	3828690	CREBBP_924	-	GTGACCTATGCACCAGACGTGTTTACCGTGCTCTGGCCTCTACAGCATCTGTAGTAGACAAGATCGGAAGAGCGGTTCAG
chr16	3830683	3830722	CREBBP_925	-	GTGACCTATGCACCAGACGTGTTTTGCAGTTTCATAGATGTTTGATTTTATTCCTGTGTTAGATCGGAAGAGCGGTTCAG
chr16	3831155	3831194	CREBBP_926	-	GTGACCTATGCACCAGACGTGTTTCAGATCTGAGTGACAGTCCAACAGGAGCATGGACTGAGATCGGAAGAGCGGTTCAG
chr16	3832635	3832674	CREBBP_927	-	GTGACCTATGCACCAGACGTGAACTCTCAACTTCGTTCTTACTTGTCCACATGCAGCAAAAGATCGGAAGAGCGGTTCAG
chr16	3841932	3841971	CREBBP_928	-	GTGACCTATGCACCAGACGTACGGGGGCAGAGAAGCTTGGAGATGAGAATAGAAGTTGTTAGATCGGAAGAGCGGTTCAG

chr16	3843337	3843376	CREBBP_929	-	GTGACCTATGCACCAGACGTTTTTTGGAACTCCTAGTGGTAGAGGTCAGGAAGAATTTGCAGATCGGAAGAGCGGTTCAG
chr16	3860554	3860593	CREBBP_930	-	GTGACCTATGCACCAGACGTCTTGGCCCTCAGTGTTATGGCTCTCCGGTGGGTGCTGTGGAGATCGGAAGAGCGGTTCAG
chr16	3900248	3900287	CREBBP_931	-	GTGACCTATGCACCAGACGTTGAAGCACTTTCAATACTTCCTACCTAACCGCGGGCTTTCAGATCGGAAGAGCGGTTCAG
chr16	3900604	3900643	CREBBP_932	-	GTGACCTATGCACCAGACGTGAATCCGCAAGCACAAAAGCAAGTGGGGCTGGCGACTAGCAGATCGGAAGAGCGGTTCAG
chr16	3778100	3778139	CREBBP_933	-	GTGACCTATGCACCAGACGTGCAGATTGGGTCCCCAGGCCAGCCGAACCCCATGAGCCCCAGATCGGAAGAGCGGTTCAG
chr16	3778531	3778570	CREBBP_934	-	GTGACCTATGCACCAGACGTGCGATGGGAGGCCTGAACCCCCAGGGCCAGGCCTTGAACAAGATCGGAAGAGCGGTTCAG
chr16	3778962	3779001	CREBBP_935	-	GTGACCTATGCACCAGACGTTGCCTCCCGGGCAGTGGCAGCAGGCGCCCCTTCCCCAGCAAGATCGGAAGAGCGGTTCAG
chr16	3779393	3779432	CREBBP_936	-	GTGACCTATGCACCAGACGTGAACACCCGCAACGTGCCTCAGCAGAGTCTGCCTTCTCCTAGATCGGAAGAGCGGTTCAG
chr22	29999938	29999977	NF2_937	-	GTGACCTATGCACCAGACGTTCAGGCCCGGGACCCTCGCGCCCCACGGCCTGCACTCTGAAGATCGGAAGAGCGGTTCAG
chr22	30032690	30032729	NF2_938	-	GTGACCTATGCACCAGACGTAAACCAATGGGGAAGGACACTGTGAGCAAAAATCATTAATAGATCGGAAGAGCGGTTCAG
chr22	30035029	30035068	NF2_939	-	GTGACCTATGCACCAGACGTGCAGAGCAAAAGACAAACACACTATATTGGCACTTCCTCCAGATCGGAAGAGCGGTTCAG
chr22	30038141	30038180	NF2_940	-	GTGACCTATGCACCAGACGTCAACAAGGGAGACATGATACTCTGTGAGTGGAAGTGAGGTAGATCGGAAGAGCGGTTCAG
chr22	30050596	30050635	NF2_941	-	GTGACCTATGCACCAGACGTGAAAGGGAGAGCAGGCGATTGAGATTCTAAAGATAACTGCAGATCGGAAGAGCGGTTCAG
chr22	30051533	30051572	NF2_942	-	GTGACCTATGCACCAGACGTATAGAGCAAAATAAAAAACCTACACATGAAGTAAATTTGGAGATCGGAAGAGCGGTTCAG
chr22	30054128	30054167	NF2_943	-	GTGACCTATGCACCAGACGTAACGGAAGACACTGTCATTGGAGCTAAGTGAGATGGGTGGAGATCGGAAGAGCGGTTCAG
chr22	30057144	30057183	NF2_944	-	GTGACCTATGCACCAGACGTAATAAGAACAGCTACTGTAAGCGCCAGCTGAGGCTCAAAAAGATCGGAAGAGCGGTTCAG
chr22	30060929	30060968	NF2_945	-	GTGACCTATGCACCAGACGTGAAGCAGAACACAGTTTCAGTCCGACAGCCTGGAATGTTAAGATCGGAAGAGCGGTTCAG
chr22	30064272	30064311	NF2_946	-	GTGACCTATGCACCAGACGTAGAAGCAGACAAAAAGGTTAATATCCACAAATTTACTTCAAGATCGGAAGAGCGGTTCAG
chr22	30067765	30067804	NF2_947	-	GTGACCTATGCACCAGACGTTGAAGAAAAACAGTCATTGAATCACAGGGCTCGAGACCTAAGATCGGAAGAGCGGTTCAG
chr22	30069208	30069247	NF2_948	-	GTGACCTATGCACCAGACGTCAGTGCTCTTAGCTGAAGTGGGATCATGTGCTGTTCTCCCAGATCGGAAGAGCGGTTCAG
chr22	30070775	30070814	NF2_949	-	GTGACCTATGCACCAGACGTAGGATGAGATGTCAGCTTCACAGAAGAGGGCAGGTAGCAGAGATCGGAAGAGCGGTTCAG
chr22	30074135	30074174	NF2_950	-	GTGACCTATGCACCAGACGTGAAATTTCGGATTAGGAGCTTGGGTCATACAAGCACAGAAAGATCGGAAGAGCGGTTCAG
chr22	30077378	30077417	NF2_951	-	GTGACCTATGCACCAGACGTGAGGGTATCATGCATCAGGGCTTGGGCAGACAGTGAGACAAGATCGGAAGAGCGGTTCAG
chr22	30078959	30078998	NF2_952	-	GTGACCTATGCACCAGACGTAAAATAAAATGAAGAAAAACAAAAACATACCCTGTGATATAGATCGGAAGAGCGGTTCAG
chr22	30090691	30090730	NF2_953	-	GTGACCTATGCACCAGACGTGCAGAGAAGAAGCTGAGAGGGCACAAGACCTCCGCTCTGTAGATCGGAAGAGCGGTTCAG
chr1	156785572	156785611	NTRK1_954	-	GTGACCTATGCACCAGACGTGCCCACTCACTCCCTTACTGCTCCTAGGCCCTCTGGAAGCAGATCGGAAGAGCGGTTCAG
chr1	156830677	156830716	NTRK1_955	-	GTGACCTATGCACCAGACGTCCCGCCTCGCTCAGGCGGGGCAGCCGTCTGTGCGCTCCCAAGATCGGAAGAGCGGTTCAG
chr1	156834096	156834135	NTRK1_956	-	GTGACCTATGCACCAGACGTAGCGGATGGGAGTCACAGGGCTCAGGCCCACACTTGAGTTAGATCGGAAGAGCGGTTCAG
chr1	156834470	156834509	NTRK1_957	-	GTGACCTATGCACCAGACGTGTGCAGGAGGATCAGTCCCCAGGTCTCAGCTACTCTGGGCAGATCGGAAGAGCGGTTCAG
chr1	156836652	156836691	NTRK1_958	-	GTGACCTATGCACCAGACGTGGAGACACAGCAAGACAGACCCCTTGAGTGACCCGACCTCAGATCGGAAGAGCGGTTCAG
chr1	156837846	156837885	NTRK1_959	-	GTGACCTATGCACCAGACGTTGGGGGACACCAACAGAGTCAAGGAAAGGGCCTGAGGGATAGATCGGAAGAGCGGTTCAG
chr1	156838247	156838286	NTRK1_960	-	GTGACCTATGCACCAGACGTAGGACGCCCGAGGGCCAAGGGGTGTTAGAGCTGGGAGTGGAGATCGGAAGAGCGGTTCAG
chr1	156841365	156841404	NTRK1_961	-	GTGACCTATGCACCAGACGTAAAGAGAGGGGGGAATAAGAAGGAGCTTTAGCCAGCTTGGAGATCGGAAGAGCGGTTCAG
chr1	156843375	156843414	NTRK1_962	-	GTGACCTATGCACCAGACGTGAAAGAGCAACAGCAGGAGGTCAGGGCGCAGCTGGAGGGAAGATCGGAAGAGCGGTTCAG
chr1	156844125	156844164	NTRK1_963	-	GTGACCTATGCACCAGACGTAGGGAGGAGAGAAAGCAGTCAGAGGGAGGAGAGAAAGCAGAGATCGGAAGAGCGGTTCAG
chr1	156844313	156844352	NTRK1_964	-	GTGACCTATGCACCAGACGTACAGGGCAGGAGGGGTGAGCCTTGACACACACTGTAGCCTAGATCGGAAGAGCGGTTCAG
chr1	156844648	156844687	NTRK1_965	-	GTGACCTATGCACCAGACGTACAGGGGTAGTTAGATCCAGGGGCTCCTCCTGTACTCTCAAGATCGGAAGAGCGGTTCAG
chr1	156845262	156845301	NTRK1_966	-	GTGACCTATGCACCAGACGTGACACAGCCGCATGGAGGGGTTTGCCCACACCTTGGCCCTAGATCGGAAGAGCGGTTCAG
chr1	156845822	156845861	NTRK1_967	-	GTGACCTATGCACCAGACGTTTGCAGGGTCAGACGGTAGCCCCAGTCTTGGGAGGGCTGGAGATCGGAAGAGCGGTTCAG
chr1	156846142	156846181	NTRK1_968	-	GTGACCTATGCACCAGACGTGCGGCAGGGACAGGACTGAGTTGGGGGCCGAGCCCTCACTAGATCGGAAGAGCGGTTCAG
chr1	156848864	156848903	NTRK1_969	-	GTGACCTATGCACCAGACGTGAAAAGGAGAGGGGATAGGCTGGGAGGATAGAACTCCCAGAGATCGGAAGAGCGGTTCAG
chr1	156849741	156849780	NTRK1_970	-	GTGACCTATGCACCAGACGTCGGACACTGCATCAATTCCAGGGGCGCCTGGGACAGCCCGAGATCGGAAGAGCGGTTCAG
chr5	149495276	149495315	PDGFRB_971	-	GTGACCTATGCACCAGACGTCCTACCCTGCCCTGCCTGAAGCTCCCCCCCTGCCAGCACCAGATCGGAAGAGCGGTTCAG
chr5	149498260	149498299	PDGFRB_972	-	GTGACCTATGCACCAGACGTGCAGGGTAGGGGTGGAGCACGGAGAGCTCTGGTGCAGAAGAGATCGGAAGAGCGGTTCAG
chr5	149499525	149499564	PDGFRB_973	-	GTGACCTATGCACCAGACGTTTCCTCCTCCAGCCCTCAGCATCCTGGCCTGGTGTCTACCAGATCGGAAGAGCGGTTCAG
chr5	149500401	149500440	PDGFRB_974	-	GTGACCTATGCACCAGACGTTCCCTGGCCCCTGCAGGGCAGTCACAGTGCCTGTGACCGCAGATCGGAAGAGCGGTTCAG
chr5	149500717	149500756	PDGFRB_975	-	GTGACCTATGCACCAGACGTTGTTGGTGGGGCAGAGTGGGGGCTGTGGGGAGGTGGGTCAAGATCGGAAGAGCGGTTCAG
chr5	149501393	149501432	PDGFRB_976	-	GTGACCTATGCACCAGACGTATAGTGACATAGTACCCCACATCCAAACAGGCTGATGCTCAGATCGGAAGAGCGGTTCAG
chr5	149502555	149502594	PDGFRB_977	-	GTGACCTATGCACCAGACGTGGAGGCCAGGGACTGAATCTTTGGGATACCTGAGGAGCACAGATCGGAAGAGCGGTTCAG
chr5	149503763	149503802	PDGFRB_978	-	GTGACCTATGCACCAGACGTCACTGCCCCAGAGGCCTCAGGGAAAGTGCCCACCACCAAGAGATCGGAAGAGCGGTTCAG
chr5	149504240	149504279	PDGFRB_979	-	GTGACCTATGCACCAGACGTCTTGGAGCCCTCCACATCTGGGCCTTCACCTCTCCCTGCCAGATCGGAAGAGCGGTTCAG
chr5	149506033	149506072	PDGFRB_980	-	GTGACCTATGCACCAGACGTCCCTGGCCCAGTGGGTGAAGACTGGCACATCATTATTTTGAGATCGGAAGAGCGGTTCAG
chr5	149509270	149509309	PDGFRB_981	-	GTGACCTATGCACCAGACGTAGCCTCAGTGGCCCCTGACGATCCCAATCCCTACCTTAATAGATCGGAAGAGCGGTTCAG
chr5	149510052	149510091	PDGFRB_982	-	GTGACCTATGCACCAGACGTCTGGGCCTCAGTCTCCCAGTGTCCCCAGCTGGCTAGAAAAAGATCGGAAGAGCGGTTCAG
chr5	149512263	149512302	PDGFRB_983	-	GTGACCTATGCACCAGACGTCGCTCTCCCATCCCATTCTTGAAGTTATTTTTCTTTGCAGAGATCGGAAGAGCGGTTCAG
chr5	149513099	149513138	PDGFRB_984	-	GTGACCTATGCACCAGACGTTGGGCTCAGCCCAATCCCCAATTCCTTCAACGCTCCCCACAGATCGGAAGAGCGGTTCAG
chr5	149513394	149513433	PDGFRB_985	-	GTGACCTATGCACCAGACGTGCCAGGCAGGGGTCGGAGGAGGGGCCAGGAACGGGTGGATAGATCGGAAGAGCGGTTCAG
chr5	149515068	149515107	PDGFRB_986	-	GTGACCTATGCACCAGACGTCCAGCCTGTGTGCCCACTCCTTACCCCTCTTGTCAACTGGAGATCGGAAGAGCGGTTCAG

chr5	149516521	149516560	PDGFRB_987	-	GTGACCTATGCACCAGACGTGGGAGATAAGGTAGGGGACCCGGGGGGCTGCGGAGTGGAAAGATCGGAAGAGCGGTTCAG
chr9	133589657	133589696	ABL1_988	-	GTGACCTATGCACCAGACGTTAGGTACCCCTTTCCAGAAGAGGGTTCAAGATCTTCCAGAAGATCGGAAGAGCGGTTCAG
chr9	133729401	133729440	ABL1_989	-	GTGACCTATGCACCAGACGTAAGGGGGGAACAGAAAAAAGAAAAAGGAAGAGAAAATTGGAGATCGGAAGAGCGGTTCAG
chr9	133730138	133730177	ABL1_990	-	GTGACCTATGCACCAGACGTAGGAACCAAATCAGACATATCAGCTTTGGAAACCAGCTTCAGATCGGAAGAGCGGTTCAG
chr9	133738100	133738139	ABL1_991	-	GTGACCTATGCACCAGACGTCAGGGAACAGCCTTCAGCCCACAGAGACAGGCAAGCTCAAAGATCGGAAGAGCGGTTCAG
chr9	133747466	133747505	ABL1_992	-	GTGACCTATGCACCAGACGTAAAAAAACGAAGGTGAAATTATTTCAGGAAGTGCTTTTCAAGATCGGAAGAGCGGTTCAG
chr9	133748197	133748236	ABL1_993	-	GTGACCTATGCACCAGACGTGACAACGAGGACTTCAACACGTGGCTCCGCTCCCAACTGAAGATCGGAAGAGCGGTTCAG
chr9	133750205	133750244	ABL1_994	-	GTGACCTATGCACCAGACGTAAAATGTTCACCCATGAGAGCTCCTGGCCAACCTTCCACTAGATCGGAAGAGCGGTTCAG
chr9	133753752	133753791	ABL1_995	-	GTGACCTATGCACCAGACGTACCGAAAGAGAAAGGCTGTTCAAGATGTGTAGCATTTCACAGATCGGAAGAGCGGTTCAG
chr9	133755405	133755444	ABL1_996	-	GTGACCTATGCACCAGACGTGAAACCCAAGTCAGATCATCCATGAGATCTGGCTAGCAATAGATCGGAAGAGCGGTTCAG
chr9	133755837	133755876	ABL1_997	-	GTGACCTATGCACCAGACGTTACAGGGACAGAAACAAAAATCCAGCAGCCATCAGTACTGAGATCGGAAGAGCGGTTCAG
chr9	133759735	133759774	ABL1_998	-	GTGACCTATGCACCAGACGTGGCTAGGCGGCTGCTGGTCAGCGTGCTGGACTTCTTCCACAGATCGGAAGAGCGGTTCAG
chr9	133760164	133760203	ABL1_999	-	GTGACCTATGCACCAGACGTTAAGGCACTGCCCTTTCCAGCTTCTTCCTTGTGGGGGAGGAGATCGGAAGAGCGGTTCAG
chr9	133760593	133760632	ABL1_1000	-	GTGACCTATGCACCAGACGTCAACGTGGAGGGAACGGGGGCTGGGCTGATGGGGGTCCCCAGATCGGAAGAGCGGTTCAG
chr11	69456032	69456071	CCND1_1001	-	GTGACCTATGCACCAGACGTCTTCCTGGGCAGCTGGGGAGGGCTGTGGGTCCTGGCTGGGAGATCGGAAGAGCGGTTCAG
chr11	69457749	69457788	CCND1_1002	-	GTGACCTATGCACCAGACGTACGGGGCCCGTGACCGCCGCCGCCAGGTCGCGCCGCCCCCAGATCGGAAGAGCGGTTCAG
chr11	69458550	69458589	CCND1_1003	-	GTGACCTATGCACCAGACGTAGGGTGAGCGGCCATCAGGGGAGGTGCGGGCCAGCCCGGGAGATCGGAAGAGCGGTTCAG
chr11	69462712	69462751	CCND1_1004	-	GTGACCTATGCACCAGACGTAGGAGAGAGGGAAGGAGGCTGTGAGCAGGGGACCCTCTCAAGATCGGAAGAGCGGTTCAG
chr11	69465836	69465875	CCND1_1005	-	GTGACCTATGCACCAGACGTGAGGGTGGGGAGAGGTGGGAAGAGGGGGTCCTTAGAAGGGAGATCGGAAGAGCGGTTCAG
chr7	92244404	92244443	CDK6_1006	-	GTGACCTATGCACCAGACGTGCCGCCTTAAGCTGATCCTGCGGAGAACACCCTTGGTGGCAGATCGGAAGAGCGGTTCAG
chr7	92247336	92247375	CDK6_1007	-	GTGACCTATGCACCAGACGTCTGATGTCAAGCTCGTCTGCACTGTGCCAGTGAGACACCTAGATCGGAAGAGCGGTTCAG
chr7	92252300	92252339	CDK6_1008	-	GTGACCTATGCACCAGACGTATTATAATTTTACACCAGTGTCCATAGCATTAAAACATTTAGATCGGAAGAGCGGTTCAG
chr7	92300690	92300729	CDK6_1009	-	GTGACCTATGCACCAGACGTCATTTTGTTTCACTCTGCTTTCCTTGAAAAGAGACTGTGGAGATCGGAAGAGCGGTTCAG
chr7	92354890	92354929	CDK6_1010	-	GTGACCTATGCACCAGACGTGAGTGCTGTCCTTTTATTAAACTTATTTTTCCTATTTTGAAGATCGGAAGAGCGGTTCAG
chr7	92403960	92403999	CDK6_1011	-	GTGACCTATGCACCAGACGTTCATCTTCATGTCTTATCAGGCAGTCGACTATTATAGTCTAGATCGGAAGAGCGGTTCAG
chr7	92462355	92462394	CDK6_1012	-	GTGACCTATGCACCAGACGTGAGCTGCGCCCTCGCCATCTGGGGCCTCGCGCGCGCGGGGAGATCGGAAGAGCGGTTCAG
chr14	102547999	102548038	HSP90AA1_1013	-	GTGACCTATGCACCAGACGTAGGGATGACTTACCTGTTCAGTACTCTACAATTCCTCTGAAGATCGGAAGAGCGGTTCAG
chr14	102548398	102548437	HSP90AA1_1014	-	GTGACCTATGCACCAGACGTTACTATGTAATGTTAAAAAGAAAATAAACACACGTGACATAGATCGGAAGAGCGGTTCAG
chr14	102549321	102549360	HSP90AA1_1015	-	GTGACCTATGCACCAGACGTACAGCATTTCCTGATCATTGATACTTCTAAGGTGCTTTCAAGATCGGAAGAGCGGTTCAG
chr14	102549833	102549872	HSP90AA1_1016	-	GTGACCTATGCACCAGACGTACTATGTTACAGTCATACACGTCGTTCTTACAATCTTGTAAGATCGGAAGAGCGGTTCAG
chr14	102550686	102550725	HSP90AA1_1017	-	GTGACCTATGCACCAGACGTATAGGAAAAATAATCACTGTCACTGATTAAAGAAGTACTTAGATCGGAAGAGCGGTTCAG
chr14	102550968	102551007	HSP90AA1_1018	-	GTGACCTATGCACCAGACGTGATGGGTGCTTCAAGCTTGTCCTTAGATTATCATCTTTCTAGATCGGAAGAGCGGTTCAG
chr14	102551585	102551624	HSP90AA1_1019	-	GTGACCTATGCACCAGACGTATGTAATTGCAGAGTGAATTTCTGTCTGTAGGTGATTGGGAGATCGGAAGAGCGGTTCAG
chr14	102552045	102552084	HSP90AA1_1020	-	GTGACCTATGCACCAGACGTGAACATTCACTGGTTAAGTGAGCGGTGGAAGGGTGGGGTGAGATCGGAAGAGCGGTTCAG
chr14	102552504	102552543	HSP90AA1_1021	-	GTGACCTATGCACCAGACGTTATTAACCCAGAATCGGATTTTGGTTTCAGTGTGAACTTCAGATCGGAAGAGCGGTTCAG
chr14	102568162	102568201	HSP90AA1_1022	-	GTGACCTATGCACCAGACGTTAAGGTTTAAAATTACTATCCTAAACATTTCTAGCTAATGAGATCGGAAGAGCGGTTCAG
chr14	102605537	102605576	HSP90AA1_1023	-	GTGACCTATGCACCAGACGTACTCAAGATTTACGCTTCACTATGTTTTATTTCAGGCGGGAGATCGGAAGAGCGGTTCAG
chr19	1611656	1611695	TCF3_1024	-	GTGACCTATGCACCAGACGTTCCGTGGGACGAGCCACCCGCTTTCAGCCCTGTGCTCTGGAGATCGGAAGAGCGGTTCAG
chr19	1612156	1612195	TCF3_1025	-	GTGACCTATGCACCAGACGTCGGCCAGGGCTGCCCCAGCACCCTCTCCCTTCCCCACACCAGATCGGAAGAGCGGTTCAG
chr19	1615234	1615273	TCF3_1026	-	GTGACCTATGCACCAGACGTGCGCGGGCCACCAGCGTCCCTGCAGCGCCACCCTCCCTCGAGATCGGAAGAGCGGTTCAG
chr19	1615635	1615674	TCF3_1027	-	GTGACCTATGCACCAGACGTACCCCTCGGCACTCCCCACCCTCACCCCATCAGGACGCACAGATCGGAAGAGCGGTTCAG
chr19	1619060	1619099	TCF3_1028	-	GTGACCTATGCACCAGACGTGAGCTTGGGACTGTCCGACTCCTGGTTCCAGTTGGGGAAAAGATCGGAAGAGCGGTTCAG
chr19	1619265	1619304	TCF3_1029	-	GTGACCTATGCACCAGACGTGGCGAGGGTGGAGCTGGGCAGTGGGCGGGGACCCGGCTCCAGATCGGAAGAGCGGTTCAG
chr19	1619729	1619768	TCF3_1030	-	GTGACCTATGCACCAGACGTGCCCCGCCCCACCCCACCCTTCCCCGACAGAATTTGCAGGAGATCGGAAGAGCGGTTCAG
chr19	1620917	1620956	TCF3_1031	-	GTGACCTATGCACCAGACGTGTTTTGGGGGGAGGGGAGGCTGAGGTCTGTGAGGGTTTGGAGATCGGAAGAGCGGTTCAG
chr19	1621082	1621121	TCF3_1032	-	GTGACCTATGCACCAGACGTGGGCATGGGGGGTGGCCAGGCAAGTGACCTGAGAGGCCGGAGATCGGAAGAGCGGTTCAG
chr19	1621787	1621826	TCF3_1033	-	GTGACCTATGCACCAGACGTTCCCTGGGATGCGGCCTCTCCGAGGGGACACTGGGCTCCAAGATCGGAAGAGCGGTTCAG
chr19	1622003	1622042	TCF3_1034	-	GTGACCTATGCACCAGACGTGGGCAGGGGGCAGGGGGTGGGCGGAGGGTGGCAGTGCCCAAGATCGGAAGAGCGGTTCAG
chr19	1622262	1622301	TCF3_1035	-	GTGACCTATGCACCAGACGTGGGCGGGGGCTCGCCAGGGACGGTAGGGCAGGGCTGGGGTAGATCGGAAGAGCGGTTCAG
chr19	1623900	1623939	TCF3_1036	-	GTGACCTATGCACCAGACGTCGAGGGAGAAGGGACCCCACAGCTCGTCAGTGGCAGTGCCAGATCGGAAGAGCGGTTCAG
chr19	1625525	1625564	TCF3_1037	-	GTGACCTATGCACCAGACGTTCTGGCCGGGGCATCGGGGGCTTCTGGGAGGGAGCCTGCAAGATCGGAAGAGCGGTTCAG
chr19	1627308	1627347	TCF3_1038	-	GTGACCTATGCACCAGACGTCGGGCCGGGCTGGGGTGTATTTTGATTTTAAACAAATCTGAGATCGGAAGAGCGGTTCAG
chr19	1631987	1632026	TCF3_1039	-	GTGACCTATGCACCAGACGTGGCCTGGTGCGGTCCCTCTGCTGTGCACAGATGTGCAGACAGATCGGAAGAGCGGTTCAG
chr19	1632281	1632320	TCF3_1040	-	GTGACCTATGCACCAGACGTCCGTGAGGCCTGAGACCCTGAGTTTCCTGTCCCCAGAGTTAGATCGGAAGAGCGGTTCAG
chr19	1646304	1646343	TCF3_1041	-	GTGACCTATGCACCAGACGTGCCTTCCTGCCAGCGCTCGTGGAGTGAGGAGATCAAGGGTAGATCGGAAGAGCGGTTCAG
chr19	1650126	1650165	TCF3_1042	-	GTGACCTATGCACCAGACGTACCCCCGCCCAGCCCCCGACACCCCTTTGCCTCCACAGTTAGATCGGAAGAGCGGTTCAG
chr3	41265510	41265549	CTNNB1_1043	-	GTGACCTATGCACCAGACGTGGATTTTCAAAACAGTTGTATGGTATACTTCAAATACCCTAGATCGGAAGAGCGGTTCAG
chr3	41265967	41266006	CTNNB1_1044	-	GTGACCTATGCACCAGACGTGAAACAGTATTAGCATTAGTAGATTGGAAATGTTACTTTAAGATCGGAAGAGCGGTTCAG

chr3	41266395	41266434	CTNNB1_1045	-	GTGACCTATGCACCAGACGTTTAATTCAACACTCACTATCCACAGTTCAGCATTTACCTAAGATCGGAAGAGCGGTTCAG
chr3	41266775	41266814	CTNNB1_1046	-	GTGACCTATGCACCAGACGTGGAATTCAGAAACATCGTTAGTTTTCAAGTACTGGTATTGAGATCGGAAGAGCGGTTCAG
chr3	41267101	41267140	CTNNB1_1047	-	GTGACCTATGCACCAGACGTGAAAAAAGCCTCATCAGAAATATTGTGAGTATACTCTTCTAGATCGGAAGAGCGGTTCAG
chr3	41268649	41268688	CTNNB1_1048	-	GTGACCTATGCACCAGACGTATATATATATATATCTTGTTAGTCAAGGAATCTTGATCACATAGATCGGAAGAGCGGTTCAG
chr3	41274782	41274821	CTNNB1_1049	-	GTGACCTATGCACCAGACGTAAAAAGGATATAAGGCCCTAGTCATTAGCTAGAAGTGCCTAGATCGGAAGAGCGGTTCAG
chr3	41274970	41275009	CTNNB1_1050	-	GTGACCTATGCACCAGACGTAAAAACAGATGGTCAGTACAAGCACATACTCATCTTGACTAGATCGGAAGAGCGGTTCAG
chr3	41275580	41275619	CTNNB1_1051	-	GTGACCTATGCACCAGACGTGAAGGAAGAACTGGCATACAACTCAACAAAATCATTTTCTAGATCGGAAGAGCGGTTCAG
chr3	41277165	41277204	CTNNB1_1052	-	GTGACCTATGCACCAGACGTAAACATGGTTAACAAACAGGGCATTCTCCTCTGTAAAGTTAGATCGGAAGAGCGGTTCAG
chr3	41277790	41277829	CTNNB1_1053	-	GTGACCTATGCACCAGACGTAACACAAACAAAACCTAATTAAATCTAAAGCTAAAACATGAGATCGGAAGAGCGGTTCAG
chr3	41278029	41278068	CTNNB1_1054	-	GTGACCTATGCACCAGACGTAGGAGAAAAAGGCCCTTGAGGAAAAACTGAGACTTCAATGAGATCGGAAGAGCGGTTCAG
chr3	41279457	41279496	CTNNB1_1055	-	GTGACCTATGCACCAGACGTATGCACAAAGCAAGGAAGAATAGAAAGCAAAATGAAAATTAGATCGGAAGAGCGGTTCAG
chr3	41280575	41280614	CTNNB1_1056	-	GTGACCTATGCACCAGACGTCAGGGTGTCAACAAAATAGGCAAGAAGGAAGGCAAAAGAGAGATCGGAAGAGCGGTTCAG
chr8	38271096	38271135	FGFR1_1057	-	GTGACCTATGCACCAGACGTCACGCCCTCCCCAGACTCCACCGTCAGCTGTAACCCTCACAGATCGGAAGAGCGGTTCAG
chr8	38271386	38271425	FGFR1_1058	-	GTGACCTATGCACCAGACGTCCGTGCCAGAGCCAGAGCTCAGGCCGTCCCCACTGCGTGCAGATCGGAAGAGCGGTTCAG
chr8	38271620	38271659	FGFR1_1059	-	GTGACCTATGCACCAGACGTGGAGATGTCGGAGGCCCTGAGCCAGGCCTTGGGGCAAGAGAGATCGGAAGAGCGGTTCAG
chr8	38272027	38272066	FGFR1_1060	-	GTGACCTATGCACCAGACGTAATAGCAATTGCCAGGGAGGTGTGGGATAGAGAGCTTCTAAGATCGGAAGAGCGGTTCAG
chr8	38272247	38272286	FGFR1_1061	-	GTGACCTATGCACCAGACGTACAAGGCCGCCCTGTGCTGGTGGTTTCATCTGAGAAGCAAAGATCGGAAGAGCGGTTCAG
chr8	38273338	38273377	FGFR1_1062	-	GTGACCTATGCACCAGACGTTGAAGGCTCCCCTGGGTAATGCCAGGGTGGGAACAGAGCCAGATCGGAAGAGCGGTTCAG
chr8	38274774	38274813	FGFR1_1063	-	GTGACCTATGCACCAGACGTGCCAGACTGGCTTTCCCTGCCCAGCGGGGAGAAGATCTGAAGATCGGAAGAGCGGTTCAG
chr8	38275338	38275377	FGFR1_1064	-	GTGACCTATGCACCAGACGTCTTCTGTCCTTGCAAAGAAAATCTTGTCCCATTCCAAGCAAGATCGGAAGAGCGGTTCAG
chr8	38275696	38275735	FGFR1_1065	-	GTGACCTATGCACCAGACGTTTTGACTCCCAACTTTTTGAAGGCATTCCTTGCTTGCTATAGATCGGAAGAGCGGTTCAG
chr8	38277001	38277040	FGFR1_1066	-	GTGACCTATGCACCAGACGTGGGGGATTTGCACACTCAGCACCACCTCTCTCTCTGGGCCAGATCGGAAGAGCGGTTCAG
chr8	38279265	38279304	FGFR1_1067	-	GTGACCTATGCACCAGACGTTAACTTCTCCTCTCGATGTCCTGCCCTCGCCACGGGCACGAGATCGGAAGAGCGGTTCAG
chr8	38281737	38281776	FGFR1_1068	-	GTGACCTATGCACCAGACGTGAGCAACGTCACTGGGGCTTTGGGGTCAGCTACACAAGGAAGATCGGAAGAGCGGTTCAG
chr8	38281977	38282016	FGFR1_1069	-	GTGACCTATGCACCAGACGTCACCAGTCTTCGTGGGCCAGTCTACTGGGAAGGAGACCACAGATCGGAAGAGCGGTTCAG
chr8	38283590	38283629	FGFR1_1070	-	GTGACCTATGCACCAGACGTAGAGGCAGCAGGAGGAATGAGTTTAGTGGGAAGAGCCAGGAGATCGGAAGAGCGGTTCAG
chr8	38285389	38285428	FGFR1_1071	-	GTGACCTATGCACCAGACGTGTGCATGCGAAAGTTAGAGTAATGGGAACAGGGGAGGCCGAGATCGGAAGAGCGGTTCAG
chr8	38285814	38285853	FGFR1_1072	-	GTGACCTATGCACCAGACGTGTTTCCTATCTTACTGCCCTTTGGGTCTGGGCATTGGGTTAGATCGGAAGAGCGGTTCAG
chr8	38285820	38285859	FGFR1_1073	-	GTGACCTATGCACCAGACGTGACACTGTTTCCTATCTTACTGCCCTTTGGGTCTGGGCATAGATCGGAAGAGCGGTTCAG
chr8	38287150	38287189	FGFR1_1074	-	GTGACCTATGCACCAGACGTAAGCCCTGCCCTTGCCCCTCCCTAGACCCACCCCCTCCAGAGATCGGAAGAGCGGTTCAG
chr8	38314824	38314863	FGFR1_1075	-	GTGACCTATGCACCAGACGTGGCTGGGGGCAGCCTGGACTCCTGGGCCTTGGGAACAGGAAGATCGGAAGAGCGGTTCAG
chrX	15364205	15364244	FIGF_1076	-	GTGACCTATGCACCAGACGTCAAGTTCCCCATCCCTGTCATTTTTAACAGCATGCTGCTTAGATCGGAAGAGCGGTTCAG
chrX	15365236	15365275	FIGF_1077	-	GTGACCTATGCACCAGACGTTGAGTTGTCTTGCCTTTACTCATGACATTTAACGTAGATGAGATCGGAAGAGCGGTTCAG
chrX	15373222	15373261	FIGF_1078	-	GTGACCTATGCACCAGACGTTTGTTTTTTTTTTTATACTGGATTATGCTTATTTTTGCCTAGATCGGAAGAGCGGTTCAG
chrX	15376075	15376114	FIGF_1079	-	GTGACCTATGCACCAGACGTATCGGCAAGCCTGCCGTCTCTAAAGCCCTGATGATAATAGAGATCGGAAGAGCGGTTCAG
chrX	15381181	15381220	FIGF_1080	-	GTGACCTATGCACCAGACGTGGATGTGGAGACAAATTCTTTCTCTTTATTAGATAGTGACAGATCGGAAGAGCGGTTCAG
chrX	15401929	15401968	FIGF_1081	-	GTGACCTATGCACCAGACGTTCAATTTTTAATGTGATGAAGTTCTTTTTATTGGCTCATAAGATCGGAAGAGCGGTTCAG
chr11	532586	532625	HRAS_1082	-	GTGACCTATGCACCAGACGTGGGGACTCCCAGGGCGGCCGCCACGCCCACCGGATGACCCAGATCGGAAGAGCGGTTCAG
chr11	533246	533285	HRAS_1083	-	GTGACCTATGCACCAGACGTCCTCGCGCTGTAAGTCTCCCGGGACGGCAGGGCAGTGAGGAGATCGGAAGAGCGGTTCAG
chr11	533403	533442	HRAS_1084	-	GTGACCTATGCACCAGACGTTCTCCACCCCACAGCTAGCCAGGGACCCGCCCCGCCCCGCAGATCGGAAGAGCGGTTCAG
chr11	533716	533755	HRAS_1085	-	GTGACCTATGCACCAGACGTTGAGGCTGGCCCGGGAGCCCACGCCGCACAGGTGGGGCCAAGATCGGAAGAGCGGTTCAG
chr11	534162	534201	HRAS_1086	-	GTGACCTATGCACCAGACGTCGCCGCCGTCCAGGTGCCAGCAGCTGCTGCGGGCGAGCCCAGATCGGAAGAGCGGTTCAG
chr15	88420116	88420155	NTRK3_1087	-	GTGACCTATGCACCAGACGTTGGTCATGAATTCATACTCTGTTGCCTCCTCTCTCCCTGCAGATCGGAAGAGCGGTTCAG
chr15	88423451	88423490	NTRK3_1088	-	GTGACCTATGCACCAGACGTGGTGCGTAGGAATCTTGATTGGGGGAGGGCTCATAAGAGCAGATCGGAAGAGCGGTTCAG
chr15	88472372	88472411	NTRK3_1089	-	GTGACCTATGCACCAGACGTTTTCCCAGCTGCAGGACTCAGCCACAGAGCTAGCGCCTTGAGATCGGAAGAGCGGTTCAG
chr15	88476193	88476232	NTRK3_1090	-	GTGACCTATGCACCAGACGTATTGTCTTCCCCTGCACCTGACCCCAGTCCCACCGAACCCAGATCGGAAGAGCGGTTCAG
chr15	88483804	88483843	NTRK3_1091	-	GTGACCTATGCACCAGACGTGAGGCATGCCGGCACCAGGAGGAGGGCTGGCTGAGGGCCCAGATCGGAAGAGCGGTTCAG
chr15	88522526	88522565	NTRK3_1092	-	GTGACCTATGCACCAGACGTTAAGCCTCCTTGTTTTGATGTCACCTTGGTAGGCTGGGCCAGATCGGAAGAGCGGTTCAG
chr15	88524407	88524446	NTRK3_1093	-	GTGACCTATGCACCAGACGTTCCTTTGACGTCTTTGTATGCAGTAAAGATCCCTCCCCTAAGATCGGAAGAGCGGTTCAG
chr15	88576038	88576077	NTRK3_1094	-	GTGACCTATGCACCAGACGTGGATGGAATGCTCTCCCTCCTGGGGAGGGGAGGGTGGTTGAGATCGGAAGAGCGGTTCAG
chr15	88669452	88669491	NTRK3_1095	-	GTGACCTATGCACCAGACGTAGTTTCATTTTCAAGGGCGTCATGGGGGGAAACATTACTGAGATCGGAAGAGCGGTTCAG
chr15	88670343	88670382	NTRK3_1096	-	GTGACCTATGCACCAGACGTTCTTGGTCAAGAGGAGTGTGTTGACTGGCATAGTCATTTTAGATCGGAAGAGCGGTTCAG
chr15	88671892	88671931	NTRK3_1097	-	GTGACCTATGCACCAGACGTTTTACCTGTTGCTTTGAAACTGATTTATTCTGATACTATCAGATCGGAAGAGCGGTTCAG
chr15	88678282	88678321	NTRK3_1098	-	GTGACCTATGCACCAGACGTCGTAGCTGGATCGGAGGTGTATGGATTCTTTCTACAAGCTAGATCGGAAGAGCGGTTCAG
chr15	88679080	88679119	NTRK3_1099	-	GTGACCTATGCACCAGACGTGTTATTGTGGGGGATGGCTGTGTGTGAGGGGCAACTGGCAAGATCGGAAGAGCGGTTCAG
chr15	88679648	88679687	NTRK3_1100	-	GTGACCTATGCACCAGACGTTGGGCTTCAGCCCCATCAGGAGGCTAGGGAGTGATCACACAGATCGGAAGAGCGGTTCAG
chr15	88680585	88680624	NTRK3_1101	-	GTGACCTATGCACCAGACGTGGCCGCCTGGCCCAGCTGGCTCCAGGGAGGCATCCCTCAGAGATCGGAAGAGCGGTTCAG
chr15	88690516	88690555	NTRK3_1102	-	GTGACCTATGCACCAGACGTTTTTGAAGACTGTCCAGGTACTGAAGTGCTGGTAATGGGTAGATCGGAAGAGCGGTTCAG

chr15	88726599	88726638	NTRK3_1103	-	GTGACCTATGCACCAGACGTCTGGGCTGCAGGGATTGGGGGCACATGGCAGGTACTCTTGAGATCGGAAGAGCGGTTCAG
chr15	88727406	88727445	NTRK3_1104	-	GTGACCTATGCACCAGACGTCCGGCCACAGAGAGGCCTTTCCCTGTGGAAGGGGTGGATGAGATCGGAAGAGCGGTTCAG
chr15	88799087	88799126	NTRK3_1105	-	GTGACCTATGCACCAGACGTCGGCCGCTCCCCAGCCTGCCTCCCCCGCGCTCTGCGTCTCAGATCGGAAGAGCGGTTCAG
chr11	32410554	32410593	WT1_1106	-	GTGACCTATGCACCAGACGTTCGGGGACCGTTCAGTGTCCCAGGCAGCACAGTGTGTGAAAGATCGGAAGAGCGGTTCAG
chr11	32413468	32413507	WT1_1107	-	GTGACCTATGCACCAGACGTTTTTCTTCACATTTATTTTTCATTATTTTTTTAAACTATTAGATCGGAAGAGCGGTTCAG
chr11	32413477	32413516	WT1_1108	-	GTGACCTATGCACCAGACGTTGCGTAAACTTTTCTTCACATTTATTTTTCATTATTTTTTAGATCGGAAGAGCGGTTCAG
chr11	32414162	32414201	WT1_1109	-	GTGACCTATGCACCAGACGTTCACTTCTCATTGCTGGCAGCTGTGTTCCCTTGGGCTAGGAGATCGGAAGAGCGGTTCAG
chr11	32417753	32417792	WT1_1110	-	GTGACCTATGCACCAGACGTCCGCTGTCCAGTCTTGGGCAAACATGGTTCAAGAGCTCCTAGATCGGAAGAGCGGTTCAG
chr11	32421444	32421483	WT1_1111	-	GTGACCTATGCACCAGACGTAGACAGGCCCCAGCGGGAAGGGGGCCGCACTGCCTCTTCCAGATCGGAAGAGCGGTTCAG
chr11	32437986	32438025	WT1_1112	-	GTGACCTATGCACCAGACGTAATGCGGAGATGGCAAAGCAAATGGCGTAGGCCTTGCTGAAGATCGGAAGAGCGGTTCAG
chr11	32439073	32439112	WT1_1113	-	GTGACCTATGCACCAGACGTCTCTATTCCATTGCCTTTCCACAGTAACTTATACCTGTTTAGATCGGAAGAGCGGTTCAG
chr11	32449452	32449491	WT1_1114	-	GTGACCTATGCACCAGACGTGCTGGGCTCTGCGTCTGGGTCCTTGGGACCCCGGAGGGGAAGATCGGAAGAGCGGTTCAG
chr11	32449993	32450032	WT1_1115	-	GTGACCTATGCACCAGACGTGGAACCAAGTGGAGTCCTTCTCCCCTTCTTCCGTGCTATCAGATCGGAAGAGCGGTTCAG
chr11	32456196	32456235	WT1_1116	-	GTGACCTATGCACCAGACGTCGGGGAGCGCCCCCTACGCGCGGGGCAGTGGCGCCAGGGAAGATCGGAAGAGCGGTTCAG
chr1	22404922	22404961	CDC42_1117	-	GTGACCTATGCACCAGACGTGTTTTGTATCCACTTTAAATATTTCAAATCTGATGATGACAGATCGGAAGAGCGGTTCAG
chr1	22408165	22408204	CDC42_1118	-	GTGACCTATGCACCAGACGTAAAAATACAACACTGTTAGTGTGCAAGGAGAGAGTTAAAAAGATCGGAAGAGCGGTTCAG
chr1	22412882	22412921	CDC42_1119	-	GTGACCTATGCACCAGACGTGAAAAATATTGGAGAGAATTCAGCAACTGAATCTTGGTGTAGATCGGAAGAGCGGTTCAG
chr1	22413112	22413151	CDC42_1120	-	GTGACCTATGCACCAGACGTGTATTTTAAAATACACCTTTGTTAATCAACAAGCCTCTAAAGATCGGAAGAGCGGTTCAG
chr1	22416386	22416425	CDC42_1121	-	GTGACCTATGCACCAGACGTGAGGGGAGGAGAGAGAATAGCAGCCAGGTTAGAGGATTAGAGATCGGAAGAGCGGTTCAG
chr1	22417871	22417910	CDC42_1122	-	GTGACCTATGCACCAGACGTGTAGAAAGAAAAAATGGGCGGTCTGATTTTCAGTATAATAAGATCGGAAGAGCGGTTCAG
chr8	118811901	118811940	EXT1_1123	-	GTGACCTATGCACCAGACGTTGAGTGGGGGAGGGGAAGCAAGAAGGGATGGGGGTCAAGCAGATCGGAAGAGCGGTTCAG
chr8	118816911	118816950	EXT1_1124	-	GTGACCTATGCACCAGACGTAAGAGCCCTCTTCCCTTGCTTCACTCACTGGTGGTTCAGCAGATCGGAAGAGCGGTTCAG
chr8	118819406	118819445	EXT1_1125	-	GTGACCTATGCACCAGACGTTGGACATGTCTCTTACAGACTTTACATAGCTTTTTATATTAGATCGGAAGAGCGGTTCAG
chr8	118825061	118825100	EXT1_1126	-	GTGACCTATGCACCAGACGTATGCCTGAGGAGCAGCAGGTGGGCTGTTCAGGCAGTCACCAGATCGGAAGAGCGGTTCAG
chr8	118830624	118830663	EXT1_1127	-	GTGACCTATGCACCAGACGTAAGGGGACCTATATGTGGAACCACTGTGGAGCCTTGGTTTAGATCGGAAGAGCGGTTCAG
chr8	118831865	118831904	EXT1_1128	-	GTGACCTATGCACCAGACGTAGTTGACAGAGAAGCCCCTGCCTGCTCCAGCTCCAGACCAAGATCGGAAGAGCGGTTCAG
chr8	118834654	118834693	EXT1_1129	-	GTGACCTATGCACCAGACGTTTCCTCCAGGGAGTTGCCCTTGTTTACCCTGAAGATGTCAAGATCGGAAGAGCGGTTCAG
chr8	118842419	118842458	EXT1_1130	-	GTGACCTATGCACCAGACGTCCACTTGGCTCTTGGGCTTGAATAATGGTCCTTTATACACAGATCGGAAGAGCGGTTCAG
chr8	118847633	118847672	EXT1_1131	-	GTGACCTATGCACCAGACGTGGCTGTGGCCTTCAACACATCAGCAGATTATTGCTGCCCCAGATCGGAAGAGCGGTTCAG
chr8	118849297	118849336	EXT1_1132	-	GTGACCTATGCACCAGACGTCTGGAGCCTTCCCAGAATAGGGCTGAGGACCGAAGCCAGAAGATCGGAAGAGCGGTTCAG
chr8	119122274	119122313	EXT1_1133	-	GTGACCTATGCACCAGACGTGGGCTGGCGTGTCTTTGGGAGTCAGCCTTGGGCTCTGCCGAGATCGGAAGAGCGGTTCAG
chr8	119122755	119122794	EXT1_1134	-	GTGACCTATGCACCAGACGTCCAGTTGTCACCTCAGTATGTGCACAATTTGAGATCCAAAAGATCGGAAGAGCGGTTCAG
chr6	108984608	108984647	FOXO3_1135	-	GTGACCTATGCACCAGACGTAAAAGAAAATACAGAGTATGAACCAGAATGGTCCAAAACCAGATCGGAAGAGCGGTTCAG
chr6	108882672	108882711	FOXO3_1136	-	GTGACCTATGCACCAGACGTCACCCGGGCCGAGTCCTCAAGGAGCAGCCCGGAGCCCAGCAGATCGGAAGAGCGGTTCAG
chr6	108985075	108985114	FOXO3_1137	-	GTGACCTATGCACCAGACGTTGCTTACTGAAGGTGACAGGCTGGCTGAGCTGCTGTAGAGAGATCGGAAGAGCGGTTCAG
chr6	108985542	108985581	FOXO3_1138	-	GTGACCTATGCACCAGACGTCGGATCATTGCGAAGCATCACGTTCCGGCGGGAATTCTGGAGATCGGAAGAGCGGTTCAG
chr1	204494597	204494636	MDM4_1139	-	GTGACCTATGCACCAGACGTAAGAAACTGCAGTCTGTTGGTAAAACTAAATAGAAAAAAAAGATCGGAAGAGCGGTTCAG
chr1	204495438	204495477	MDM4_1140	-	GTGACCTATGCACCAGACGTCATAAAATAAATGTGCTATTTACATTTCAAGTAGGTTTCTAGATCGGAAGAGCGGTTCAG
chr1	204499762	204499801	MDM4_1141	-	GTGACCTATGCACCAGACGTTAAAATACCATGTTGTGATCTGTCCAGCTGCTACCAAAAAAGATCGGAAGAGCGGTTCAG
chr1	204501269	204501308	MDM4_1142	-	GTGACCTATGCACCAGACGTGAGAAGATAAAAAATTAACAACCCCAAATGCCACTATGAAAGATCGGAAGAGCGGTTCAG
chr1	204506508	204506547	MDM4_1143	-	GTGACCTATGCACCAGACGTAGTAAAACAAAAGGAAAACCTTCCCTGGTAATAACCATTCAGATCGGAAGAGCGGTTCAG
chr1	204507287	204507326	MDM4_1144	-	GTGACCTATGCACCAGACGTGGAAAGGTGTCCATCAGTGCAGTAGAAATAACTGAGACCAAGATCGGAAGAGCGGTTCAG
chr1	204511862	204511901	MDM4_1145	-	GTGACCTATGCACCAGACGTCAAATGAAAAGAATGATAACTATGCACAATACGTAATAACAGATCGGAAGAGCGGTTCAG
chr1	204513613	204513652	MDM4_1146	-	GTGACCTATGCACCAGACGTAAAAACAAACATGAGTTTCTGTATTCAGAGGTTTATCAGAAGATCGGAAGAGCGGTTCAG
chr1	204515875	204515914	MDM4_1147	-	GTGACCTATGCACCAGACGTAAAAACATCTCATTAGTAATGTTTACTTGTTTTAGATGAGAGATCGGAAGAGCGGTTCAG
chr1	204518191	204518230	MDM4_1148	-	GTGACCTATGCACCAGACGTAAGTGAAGCCAATTAATACTCAGGGGGTTAATATGATGCTAGATCGGAAGAGCGGTTCAG
chr1	204518476	204518515	MDM4_1149	-	GTGACCTATGCACCAGACGTTCCACTGAGTTGCAGGGATCAAAAAGTTTGGAGTTTTCTTAGATCGGAAGAGCGGTTCAG
chr7	538151	538190	PDGFA_1150	-	GTGACCTATGCACCAGACGTCAGCCCTTTCCTGGGACATGGATGTACATGGCGTGTTACAAGATCGGAAGAGCGGTTCAG
chr7	540031	540070	PDGFA_1151	-	GTGACCTATGCACCAGACGTCAGGTAGGACTGTCTGCCGGACACACTGAGTCCTGCAGGGAGATCGGAAGAGCGGTTCAG
chr7	540703	540742	PDGFA_1152	-	GTGACCTATGCACCAGACGTGCCTTCGTCGGCATCGGTGTTGGAGAACAGGTCTTCAGAGAGATCGGAAGAGCGGTTCAG
chr7	558526	558565	PDGFA_1153	-	GTGACCTATGCACCAGACGTCCCCCGCGCCCCGTCCCTGCGCCGGCTCCTCCGGCGCACAAGATCGGAAGAGCGGTTCAG
chr7	6012980	6013019	PMS2_1154	-	GTGACCTATGCACCAGACGTTGTATGGAATAATTGGTTTTATCGCAGATTTTTATGTTTTAGATCGGAAGAGCGGTTCAG
chr7	6017169	6017208	PMS2_1155	-	GTGACCTATGCACCAGACGTAAAGCCTGGCTGTCAGCTCAGCTGCTCAAGCTTGCAGTCGAGATCGGAAGAGCGGTTCAG
chr7	6022405	6022444	PMS2_1156	-	GTGACCTATGCACCAGACGTTTAGTGTTCATTCCCAGACTCCCCCTCAAATTGAAGATCTAGATCGGAAGAGCGGTTCAG
chr7	6029381	6029420	PMS2_1157	-	GTGACCTATGCACCAGACGTTACAGTGTACAAACAGCTTCTAAAGCTTTTAGCTAATGTGAGATCGGAAGAGCGGTTCAG
chr7	6031554	6031593	PMS2_1158	-	GTGACCTATGCACCAGACGTTTGGCATTTCAGTACAACTAGTGACTAATGCCTCAAAGAAAGATCGGAAGAGCGGTTCAG
chr7	6035115	6035154	PMS2_1159	-	GTGACCTATGCACCAGACGTTTTTTTTTGTGTTAGTTTGTTCTTTATGCCTTTGACTTTTAAGATCGGAAGAGCGGTTCAG
chr7	6036907	6036946	PMS2_1160	-	GTGACCTATGCACCAGACGTTGCTGGCAAGAGAACTACAATTGAACATTTTATCCTGAGAAGATCGGAAGAGCGGTTCAG

chr7	6038689	6038728	PMS2_1161	-	GTGACCTATGCACCAGACGTCCGGTTACTTCAACGCCTCTTATTGCTCTAGTGATTATAGAGATCGGAAGAGCGGTTCAG
chr7	6042034	6042073	PMS2_1162	-	GTGACCTATGCACCAGACGTTTAATCCTGGTTTTCAAGAGTATTGGTTAATGCACATGAGAGATCGGAAGAGCGGTTCAG
chr7	6043271	6043310	PMS2_1163	-	GTGACCTATGCACCAGACGTATTTTTATCCACTCACTTGACCCCTTAGAGAAACCTCTCTAGATCGGAAGAGCGGTTCAG
chr7	6043553	6043592	PMS2_1164	-	GTGACCTATGCACCAGACGTTTTTTCTAATCCTATTATAAAATAATTGGGTCACATGTCTAGATCGGAAGAGCGGTTCAG
chr7	6045473	6045512	PMS2_1165	-	GTGACCTATGCACCAGACGTGAGAGTTTTAAGCCACAAGAAATGATCTGTGAATGTTGTTAGATCGGAAGAGCGGTTCAG
chr7	6048578	6048617	PMS2_1166	-	GTGACCTATGCACCAGACGTCTCGCAGTCTTCCGGTGTCCCCTCTCGCGCGCCCTCTTTGAGATCGGAAGAGCGGTTCAG
chr7	6026771	6026810	PMS2_1167	-	GTGACCTATGCACCAGACGTCGCAGGAACATGTGGACTCTCAGGAGAAAGCGCCTAAAACAGATCGGAAGAGCGGTTCAG
chr21	36171548	36171587	RUNX1_1168	-	GTGACCTATGCACCAGACGTTGAAAACACATTCTTTGCAGCTGAGCTGGGGTGGAAGGTCAGATCGGAAGAGCGGTTCAG
chr21	36193915	36193954	RUNX1_1169	-	GTGACCTATGCACCAGACGTAGTTCTTCTGTCCATCCCTCTCCCCAGCCAGGATAGAGCTAGATCGGAAGAGCGGTTCAG
chr21	36206657	36206696	RUNX1_1170	-	GTGACCTATGCACCAGACGTGATGGAGCCCACTGCCCGCCTCTCCTGCACCTGGGCCACCAGATCGGAAGAGCGGTTCAG
chr21	36231721	36231760	RUNX1_1171	-	GTGACCTATGCACCAGACGTCCACTTGGGGCTGGTACACCCTCCAGGCTGGTACACCCTCAGATCGGAAGAGCGGTTCAG
chr21	36252804	36252843	RUNX1_1172	-	GTGACCTATGCACCAGACGTTGTCAAAACTATGCTTGAAACACGTTTCATGGCAACAAACAGATCGGAAGAGCGGTTCAG
chr21	36259090	36259129	RUNX1_1173	-	GTGACCTATGCACCAGACGTGGAGAGGGTGGTGGGAGGACAGGCGGAGGCCGGCGAGGCCAGATCGGAAGAGCGGTTCAG
chr21	36265172	36265211	RUNX1_1174	-	GTGACCTATGCACCAGACGTTTCCAAGTTATATTTTTAAATAAAGTACACACCTTCATAGAGATCGGAAGAGCGGTTCAG
chr21	36421089	36421128	RUNX1_1175	-	GTGACCTATGCACCAGACGTGCTGGTCTTGTAATATCTACTTTTGCTCAGCTTTGCCTGTAGATCGGAAGAGCGGTTCAG
chr3	10183482	10183521	VHL_1176	-	GTGACCTATGCACCAGACGTATCCAGACCACCCGGGCCGGACGCCGCGGGATCCGCGGGTAGATCGGAAGAGCGGTTCAG
chr3	10191421	10191460	VHL_1177	-	GTGACCTATGCACCAGACGTAAAAACCAAATCCTCAGTGGCAGACTAGGGTCTCAGTACAAGATCGGAAGAGCGGTTCAG
chr8	30915914	30915953	WRN_1178	-	GTGACCTATGCACCAGACGTTCCTATTTGCAGAGTCCAAAAAACAATGTCTTCATGGGTAAGATCGGAAGAGCGGTTCAG
chr8	30916619	30916658	WRN_1179	-	GTGACCTATGCACCAGACGTGTAAATTTCAAAACAGGCACAAAGTTCACATCAAATAACAAGATCGGAAGAGCGGTTCAG
chr8	30922381	30922420	WRN_1180	-	GTGACCTATGCACCAGACGTTTCTTGTTATTTCCATAAGTTCTGTCAAGTATGATGGATTAGATCGGAAGAGCGGTTCAG
chr8	30924499	30924538	WRN_1181	-	GTGACCTATGCACCAGACGTTGAAAAAGCAACACAGTAAAATCAGTTCCTGTTTTCAGGTAGATCGGAAGAGCGGTTCAG
chr8	30925724	30925763	WRN_1182	-	GTGACCTATGCACCAGACGTACAGAAAAATTTAAAAAGTATGCTAAAGATCACCGAAATAAGATCGGAAGAGCGGTTCAG
chr8	30933639	30933678	WRN_1183	-	GTGACCTATGCACCAGACGTAAAAAATCAATATTAATTTTCAAACCACAAAGCAGAGATAAGATCGGAAGAGCGGTTCAG
chr8	30938333	30938372	WRN_1184	-	GTGACCTATGCACCAGACGTAATTAAGAAAGATTAATTCAACTTCAATTGCATTAACTACAGATCGGAAGAGCGGTTCAG
chr8	30941165	30941204	WRN_1185	-	GTGACCTATGCACCAGACGTAGTATTAAGCATTAATTTCCAATATAATTGACTTCATATCAGATCGGAAGAGCGGTTCAG
chr8	30942632	30942671	WRN_1186	-	GTGACCTATGCACCAGACGTAAGTATTAAGCATTAATTTCCAATATAATTGACTTCATATAGATCGGAAGAGCGGTTCAG
chr8	30945242	30945281	WRN_1187	-	GTGACCTATGCACCAGACGTAAAAGAAATCTTAAAAGCAAAACCACTGACAGTGTCGTATAGATCGGAAGAGCGGTTCAG
chr8	30946356	30946395	WRN_1188	-	GTGACCTATGCACCAGACGTAATAAAATGTGCATTTATGTTCAAGTAGAAAAACACCACAAGATCGGAAGAGCGGTTCAG
chr8	30947931	30947970	WRN_1189	-	GTGACCTATGCACCAGACGTAAAAGCAAAAAGCTATTTTGTTTTATTAATAAGAAACCCAAGATCGGAAGAGCGGTTCAG
chr8	30949296	30949335	WRN_1190	-	GTGACCTATGCACCAGACGTAAAAACAAATATTCTGGCACCATGTACACATTACACATATAGATCGGAAGAGCGGTTCAG
chr8	30958315	30958354	WRN_1191	-	GTGACCTATGCACCAGACGTAGAAAAACACATAAAGGAAAAGATAAAGCTCGAAAGGAAAAGATCGGAAGAGCGGTTCAG
chr8	30969081	30969120	WRN_1192	-	GTGACCTATGCACCAGACGTTAAAACTGATATTTTAAAAAGGAAAGAGCTCATTCATTCCAGATCGGAAGAGCGGTTCAG
chr8	30973820	30973859	WRN_1193	-	GTGACCTATGCACCAGACGTAGAAGAACAAAAGAGCAAACATATATACTTTATACATGCTAGATCGGAAGAGCGGTTCAG
chr8	30977709	30977748	WRN_1194	-	GTGACCTATGCACCAGACGTATCACAACACAGTTTGACAAACATATTTAGCAGAATGAAAAGATCGGAAGAGCGGTTCAG
chr8	30981988	30982027	WRN_1195	-	GTGACCTATGCACCAGACGTAAAACATCACAGGAATATGTAAAACTGTATTGGCAACTTTAGATCGGAAGAGCGGTTCAG
chr8	30989831	30989870	WRN_1196	-	GTGACCTATGCACCAGACGTATAATAACATTTGAAGAAAGCTTAGCAAAGGCATGTATCTAGATCGGAAGAGCGGTTCAG
chr8	30998896	30998935	WRN_1197	-	GTGACCTATGCACCAGACGTGAATAAAATCAGTATCTAAAAATGCTAATTTAAACATATAAGATCGGAAGAGCGGTTCAG
chr8	30999147	30999186	WRN_1198	-	GTGACCTATGCACCAGACGTCAAAAAGGATCTTTTAATGTGGAGTGGGAAACAAAATTAAAGATCGGAAGAGCGGTTCAG
chr8	31001016	31001055	WRN_1199	-	GTGACCTATGCACCAGACGTACATATAAAGGTCCATTAAAAAAAGTTTCAAAAAACTTTTAGATCGGAAGAGCGGTTCAG
chr8	31004830	31004869	WRN_1200	-	GTGACCTATGCACCAGACGTAACAAAGAAACAACACTTTTTAAAGTGTACTTAAAAGATCAGATCGGAAGAGCGGTTCAG
chr8	31012090	31012129	WRN_1201	-	GTGACCTATGCACCAGACGTTTTAATGTAGCACAAATGATCAGTAATATCAATACAATAAAGATCGGAAGAGCGGTTCAG
chr8	31014834	31014873	WRN_1202	-	GTGACCTATGCACCAGACGTATCAGCAAAGAACCCAGTGAGTTGTAAAAGTGTCCACTCCAGATCGGAAGAGCGGTTCAG
chr8	31024488	31024527	WRN_1203	-	GTGACCTATGCACCAGACGTTAAAAAAACTCCATTTCAAAATAAATTACAGAGAATATTTAGATCGGAAGAGCGGTTCAG
chr8	31030461	31030500	WRN_1204	-	GTGACCTATGCACCAGACGTTAGAAAGAAAAAGAAATCAAATCTTTGTACTACTGAGAAGAGATCGGAAGAGCGGTTCAG
chr2	29416040	29416079	ALK_1205	-	GTGACCTATGCACCAGACGTACACTCACTTCTCTTCCTTGGGATCCCTAAGACCGTGGAGAGATCGGAAGAGCGGTTCAG
chr2	29419586	29419625	ALK_1206	-	GTGACCTATGCACCAGACGTTTCTCCCTTTGGTCAACATTTACTCTATATGAAACAGTCTAGATCGGAAGAGCGGTTCAG
chr2	29420358	29420397	ALK_1207	-	GTGACCTATGCACCAGACGTTTTAGGAACACTTCTGCTAGTTACTAAGCAGTTTTTCTTTAGATCGGAAGAGCGGTTCAG
chr2	29429987	29430026	ALK_1208	-	GTGACCTATGCACCAGACGTCATCATCCTCCAGGTATCCCTGCAGCCATAAGGTGGTGCTAGATCGGAAGAGCGGTTCAG
chr2	29432602	29432641	ALK_1209	-	GTGACCTATGCACCAGACGTACTGCCTCACCCCTCCGGGCCTGTCTCTTCCACCTCAGCCAGATCGGAAGAGCGGTTCAG
chr2	29436800	29436839	ALK_1210	-	GTGACCTATGCACCAGACGTGTGACTGTGCTCTTCCTGTCATCCTGTCGCTGATCTGTGTAGATCGGAAGAGCGGTTCAG
chr2	29443522	29443561	ALK_1211	-	GTGACCTATGCACCAGACGTACCAGTCTTTGCTGCAGTTGTTGTGCCAAGGACAGGAGCAAGATCGGAAGAGCGGTTCAG
chr2	29445160	29445199	ALK_1212	-	GTGACCTATGCACCAGACGTAGAGAGACACCCTCACCCCAACTCCCCTCTGCCCCCAAAGAGATCGGAAGAGCGGTTCAG
chr2	29445333	29445372	ALK_1213	-	GTGACCTATGCACCAGACGTGCTCACTCTTGAGCCTGCCCTTGGCTTGCGGACTCTGTAGAGATCGGAAGAGCGGTTCAG
chr2	29446158	29446197	ALK_1214	-	GTGACCTATGCACCAGACGTTGCTGCCGTCCTGGGAGGAGAGGGGTGCAGTGTAGGGGCTAGATCGGAAGAGCGGTTCAG
chr2	29448277	29448316	ALK_1215	-	GTGACCTATGCACCAGACGTAGAGCCCCAGGGACTCCCAAGGGGGCAGGAAGGCAGGACTAGATCGGAAGAGCGGTTCAG
chr2	29449738	29449777	ALK_1216	-	GTGACCTATGCACCAGACGTAGGGCCAGGGGAGGCAGAGGGGCCCATAGCCTGAGATTTGAGATCGGAAGAGCGGTTCAG
chr2	29450390	29450429	ALK_1217	-	GTGACCTATGCACCAGACGTTGCCAGGCAGCAGAACAAACTTGCTTAGGTCAGTCCTCCCAGATCGGAAGAGCGGTTCAG
chr2	29451700	29451739	ALK_1218	-	GTGACCTATGCACCAGACGTTTCGTGTTCAAGGTGTCACTCCCTCCCTGCTTAGTCCTAGAGATCGGAAGAGCGGTTCAG

chr2	29455120	29455159	ALK_1219	-	GTGACCTATGCACCAGACGTGCAAGCGTGCCCTCTCCCAGAACCTCTCCCAGGCCTTCAGAGATCGGAAGAGCGGTTCAG
chr2	29456381	29456420	ALK_1220	-	GTGACCTATGCACCAGACGTTGCTGCCAGATTTCCACCAGGTTCCTGTGCATCTGCAATGAGATCGGAAGAGCGGTTCAG
chr2	29462496	29462535	ALK_1221	-	GTGACCTATGCACCAGACGTAGAGCAGGGGTTTCTCGTCTGCACTCTGTCAGGCCCCGGGAGATCGGAAGAGCGGTTCAG
chr2	29473921	29473960	ALK_1222	-	GTGACCTATGCACCAGACGTAAGAGGGGGAGGGGAGGGGCAGACCACCCCTTCCGAAGAAAGATCGGAAGAGCGGTTCAG
chr2	29497915	29497954	ALK_1223	-	GTGACCTATGCACCAGACGTAGCTCACAAATGTGAGCACAGTAACTTCTTGTTGCAAAAGAGATCGGAAGAGCGGTTCAG
chr2	29498218	29498257	ALK_1224	-	GTGACCTATGCACCAGACGTTCTGACCCCAGCACTCTGTCCCCCAACCCCCATGGCCCATAGATCGGAAGAGCGGTTCAG
chr2	29519704	29519743	ALK_1225	-	GTGACCTATGCACCAGACGTTGCATCTCCCCCAATACCCTTCTCCTCTATCAGCTAAAATAGATCGGAAGAGCGGTTCAG
chr2	29541120	29541159	ALK_1226	-	GTGACCTATGCACCAGACGTTTGTTTCTCTAGTTCTCTAATTTCTCCTCCCACCTCTTGTAGATCGGAAGAGCGGTTCAG
chr2	29543567	29543606	ALK_1227	-	GTGACCTATGCACCAGACGTTCTCCTGCCTTCTCTCTGGTGCCCATCTTCATGCCCACATAGATCGGAAGAGCGGTTCAG
chr2	29551166	29551205	ALK_1228	-	GTGACCTATGCACCAGACGTGGGGCTGCCCCACCCTGCCTGAGCCCAGCCCATGCTCATAAGATCGGAAGAGCGGTTCAG
chr2	29606548	29606587	ALK_1229	-	GTGACCTATGCACCAGACGTCTGGCTTTCCCACGCTCCTTGGTAGCCTATTGTGTTAGATAGATCGGAAGAGCGGTTCAG
chr2	29754731	29754770	ALK_1230	-	GTGACCTATGCACCAGACGTCTCCATGTCCAAAATTGATTTTATACCAGGTGATTTGGCTAGATCGGAAGAGCGGTTCAG
chr2	29917666	29917705	ALK_1231	-	GTGACCTATGCACCAGACGTGGCTGCTGGTGATGTCCTGGGTGGGTCAGGGCCAGGCTGGAGATCGGAAGAGCGGTTCAG
chr2	29940394	29940433	ALK_1232	-	GTGACCTATGCACCAGACGTGTTTAATATTTACTTGAGATACACTGTCACTATCTCATAAAGATCGGAAGAGCGGTTCAG
chr2	30142809	30142848	ALK_1233	-	GTGACCTATGCACCAGACGTCCCGCCTGAGTGTGCCGGGATTTAGTGTTTTTAGTCACATAGATCGGAAGAGCGGTTCAG
chr2	29416389	29416428	ALK_1234	-	GTGACCTATGCACCAGACGTTCCTGGTTTACAGAGAAACCCACCAAAAAGAATAATCCTAAGATCGGAAGAGCGGTTCAG
chr2	30143142	30143181	ALK_1235	-	GTGACCTATGCACCAGACGTAGCCCCGGCAGAGGCCCGGACGCTGTCCAGGGTGCTGAAGAGATCGGAAGAGCGGTTCAG
chrX	66764939	66764978	AR_1236	-	GTGACCTATGCACCAGACGTGGCTGAATCTTCCACCTACTTCCCTTACCCCGCCTCCCCTAGATCGGAAGAGCGGTTCAG
chrX	66788795	66788834	AR_1237	-	GTGACCTATGCACCAGACGTGACAGGCAATGTCAGGAGCACTCTGCATTCGTTTCCCTGGAGATCGGAAGAGCGGTTCAG
chrX	66863048	66863087	AR_1238	-	GTGACCTATGCACCAGACGTACAAAAAACCAATGCAACACATGTCACTGAATGGCAGAAAAGATCGGAAGAGCGGTTCAG
chrX	66905802	66905841	AR_1239	-	GTGACCTATGCACCAGACGTAAATACAAGAGTTGATAGACCTGATAATGAGTTTCCAGAGAGATCGGAAGAGCGGTTCAG
chrX	66931194	66931233	AR_1240	-	GTGACCTATGCACCAGACGTGGAAGAGAGACTTGAATTTATCATCAGTGGTCAAAAACACAGATCGGAAGAGCGGTTCAG
chrX	66937270	66937309	AR_1241	-	GTGACCTATGCACCAGACGTAGAGGCAGAGGCAGTGGTCAGTCTGGGTACTGACGGGTTGAGATCGGAAGAGCGGTTCAG
chrX	66941625	66941664	AR_1242	-	GTGACCTATGCACCAGACGTGATACACAGAGGAAAAAGGAATGAGGGGAAGTTTACAATAAGATCGGAAGAGCGGTTCAG
chrX	66942619	66942658	AR_1243	-	GTGACCTATGCACCAGACGTATGAAGACAGAATGGGGAGGGGAAGCATGCCCACGAAGGAAGATCGGAAGAGCGGTTCAG
chrX	66943478	66943517	AR_1244	-	GTGACCTATGCACCAGACGTCAATAAGAGGGAGAAAAACAGGGTTGACAAGGAGGTGGCCAGATCGGAAGAGCGGTTCAG
chrX	66765343	66765382	AR_1245	-	GTGACCTATGCACCAGACGTCGCAACCTCTCTCGGGGTGGCACTCCAGGGCCGACTGCGGAGATCGGAAGAGCGGTTCAG
chrX	66765747	66765786	AR_1246	-	GTGACCTATGCACCAGACGTATCCCCCCGAAGCTGTTCCCCTGGACTCAGATGCTCCAACAGATCGGAAGAGCGGTTCAG
chrX	66766151	66766190	AR_1247	-	GTGACCTATGCACCAGACGTGCCGCCCAGGCGCTGCCGTAGTCCAGCGGGTTCTCCAGCTAGATCGGAAGAGCGGTTCAG
chr1	51435991	51436030	CDKN2C_1248	-	GTGACCTATGCACCAGACGTCCTGACGATCAGGAAAAGATGAATTAGTCGTTTTTCTTTTAGATCGGAAGAGCGGTTCAG
chr1	51439515	51439554	CDKN2C_1249	-	GTGACCTATGCACCAGACGTAGTAGAAATGGTAGAATCCTTCAAGTGCATATGCTACAGAAGATCGGAAGAGCGGTTCAG
chr11	125496614	125496653	CHEK1_1250	-	GTGACCTATGCACCAGACGTAGCACCTCGGCTGTAAAAGGCAGGAATCCAGAAAAGATGTAGATCGGAAGAGCGGTTCAG
chr11	125497452	125497491	CHEK1_1251	-	GTGACCTATGCACCAGACGTAAAGAGTTTTAACATTACAGAATTCCATTTCTTCTAAAACAGATCGGAAGAGCGGTTCAG
chr11	125499077	125499116	CHEK1_1252	-	GTGACCTATGCACCAGACGTTATGAAAGTAAGTTTATTGACTAAATATAATCAGGTAGCAAGATCGGAAGAGCGGTTCAG
chr11	125499236	125499275	CHEK1_1253	-	GTGACCTATGCACCAGACGTTGCAGAGAGAAACACACTAGAATTTGGTAATGTAATGTATAGATCGGAAGAGCGGTTCAG
chr11	125503008	125503047	CHEK1_1254	-	GTGACCTATGCACCAGACGTAGAAAAAAAGATGACACTGAATAAAAATGTTTTGCAAATAAGATCGGAAGAGCGGTTCAG
chr11	125505274	125505313	CHEK1_1255	-	GTGACCTATGCACCAGACGTAGCAAGTCCCAGTTTTTTTAAATGTTCTTATTATAAAGATAGATCGGAAGAGCGGTTCAG
chr11	125507294	125507333	CHEK1_1256	-	GTGACCTATGCACCAGACGTACATTACGACAACATTCACGAAAGAATCATGTTAGAGAAGAGATCGGAAGAGCGGTTCAG
chr11	125513637	125513676	CHEK1_1257	-	GTGACCTATGCACCAGACGTAAACAAATACAAATGCTTTCAAGTCTTCTATGCAAGTATGAGATCGGAAGAGCGGTTCAG
chr11	125513936	125513975	CHEK1_1258	-	GTGACCTATGCACCAGACGTAAGACAGAAAGAAACATACATTTAATAAAATAAAATCTATAGATCGGAAGAGCGGTTCAG
chr11	125514357	125514396	CHEK1_1259	-	GTGACCTATGCACCAGACGTAACAGAAGACAAATGAATAAATCCATTAGGACTAAAGACAAGATCGGAAGAGCGGTTCAG
chr22	29083835	29083874	CHEK2_1260	-	GTGACCTATGCACCAGACGTTTGAACACGAAAGAAATGTACCTTCTTTCACTCTGTCATCAGATCGGAAGAGCGGTTCAG
chr22	29085073	29085112	CHEK2_1261	-	GTGACCTATGCACCAGACGTTCCTGATGATCACTAAATGTAGTCTGGGCTTAAGGAGCTGAGATCGGAAGAGCGGTTCAG
chr22	29089970	29090009	CHEK2_1262	-	GTGACCTATGCACCAGACGTGACAGTGCCTGCTAGCATAAAATACATGGGAAGCCCTGCTAGATCGGAAGAGCGGTTCAG
chr22	29091065	29091104	CHEK2_1263	-	GTGACCTATGCACCAGACGTGAAAGGGTTAAGAATTTGTGGTATGCTAAAATGTGTATGTAGATCGGAAGAGCGGTTCAG
chr22	29091648	29091687	CHEK2_1264	-	GTGACCTATGCACCAGACGTTTTTCATTGCTGCACAGACTGGTAGGAGGTGATTAGATGAAGATCGGAAGAGCGGTTCAG
chr22	29092839	29092878	CHEK2_1265	-	GTGACCTATGCACCAGACGTGGCATTCTGTATGTGGCTATTCCTGTAGATTCTTGTTCAGAGATCGGAAGAGCGGTTCAG
chr22	29095776	29095815	CHEK2_1266	-	GTGACCTATGCACCAGACGTCCCTCAATTCTTTTGACAGCTGCCTTTCTTTTAGTTGAATAGATCGGAAGAGCGGTTCAG
chr22	29099443	29099482	CHEK2_1267	-	GTGACCTATGCACCAGACGTAACTTTTTAAAAATTTCTGTTTCCATTCAAATGCTTTATAAGATCGGAAGAGCGGTTCAG
chr22	29105944	29105983	CHEK2_1268	-	GTGACCTATGCACCAGACGTTTATATGACTCATACTTAGATTTATCTATCTCAAAATATGAGATCGGAAGAGCGGTTCAG
chr22	29107847	29107886	CHEK2_1269	-	GTGACCTATGCACCAGACGTATAAAAGGCTGATCACCTTTTATTAACACGTCTTCATAACAGATCGGAAGAGCGGTTCAG
chr22	29115333	29115372	CHEK2_1270	-	GTGACCTATGCACCAGACGTTTCTTATATAAATGCACTTAATTTTTTCACTATACATTTGAGATCGGAAGAGCGGTTCAG
chr22	29120915	29120954	CHEK2_1271	-	GTGACCTATGCACCAGACGTTATCTTATGGTTACTGGAATTTTTTTTTTCCACTCTCTCAAGATCGGAAGAGCGGTTCAG
chr22	29121181	29121220	CHEK2_1272	-	GTGACCTATGCACCAGACGTAATACCCATGTATCTAGGAGAGCTGGTAATTTGGTCATTGAGATCGGAAGAGCGGTTCAG
chr22	29130341	29130380	CHEK2_1273	-	GTGACCTATGCACCAGACGTTTGTTGTATAGTATCACGTTTTGTTCAGAAAAACACTTACAGATCGGAAGAGCGGTTCAG
chr13	103498567	103498606	ERCC5_1274	-	GTGACCTATGCACCAGACGTCGTCCTAAGAGCGGACCCCGACAACTTCTACTCTAATTCTAGATCGGAAGAGCGGTTCAG
chr13	103504418	103504457	ERCC5_1275	-	GTGACCTATGCACCAGACGTTGTTAATGGAAAAAACTCCGGGATTTTTCTCTTCATCCTCAGATCGGAAGAGCGGTTCAG
chr13	103506057	103506096	ERCC5_1276	-	GTGACCTATGCACCAGACGTAAAGGATGTAAGATCTCACTTCAGGATATTAGACCACTAGAGATCGGAAGAGCGGTTCAG

chr13	103506588	103506627	ERCC5_1277	-	GTGACCTATGCACCAGACGTCACAAATCTTTAAACAGATTATGCAGACCCTGCTCAGGATAGATCGGAAGAGCGGTTCAG
chr13	103508352	103508391	ERCC5_1278	-	GTGACCTATGCACCAGACGTAACATACTTTTACGATATCTATGATTTTTAAGGACCCCTTAGATCGGAAGAGCGGTTCAG
chr13	103510575	103510614	ERCC5_1279	-	GTGACCTATGCACCAGACGTAAAATCACAGCACCATGAAATTTACATTTCATACACTTAGAGATCGGAAGAGCGGTTCAG
chr13	103513807	103513846	ERCC5_1280	-	GTGACCTATGCACCAGACGTAATAAACAAACAAAATTACTGTTTTATATTAAATACAGATAGATCGGAAGAGCGGTTCAG
chr13	103514330	103514369	ERCC5_1281	-	GTGACCTATGCACCAGACGTATTAAAACACTTCTCACCATTCAGTTTTACAGTGTGACAAAGATCGGAAGAGCGGTTCAG
chr13	103517967	103518006	ERCC5_1282	-	GTGACCTATGCACCAGACGTATTAAAAGGTCACTTCATCTACAATCAAAACATTAAAATGAGATCGGAAGAGCGGTTCAG
chr13	103518562	103518601	ERCC5_1283	-	GTGACCTATGCACCAGACGTTTTTTTCATTTATAGATTTATATTAATAATCCAAATGAGTAGATCGGAAGAGCGGTTCAG
chr13	103518932	103518971	ERCC5_1284	-	GTGACCTATGCACCAGACGTAGGGGTACACAGTGACGCCCAGGGAAGGGCACCGCCAGGCAGATCGGAAGAGCGGTTCAG
chr13	103524498	103524537	ERCC5_1285	-	GTGACCTATGCACCAGACGTAAGGAAACAATTACTTACACAGCAATGAGACATTATAGTTAGATCGGAAGAGCGGTTCAG
chr13	103525559	103525598	ERCC5_1286	-	GTGACCTATGCACCAGACGTTTAAGACTTATAAATATTTTGAAAGATATTTAAACAAGTGAGATCGGAAGAGCGGTTCAG
chr13	103527607	103527646	ERCC5_1287	-	GTGACCTATGCACCAGACGTAACAAAAGAATAATAATAATAAATCAGACAAGTAAGTCAAAGATCGGAAGAGCGGTTCAG
chr13	103527905	103527944	ERCC5_1288	-	GTGACCTATGCACCAGACGTGCATGTATTCTTTCCTTTAGAATCTGAAAGCCTCTTTCTTAGATCGGAAGAGCGGTTCAG
chr13	103514688	103514727	ERCC5_1289	-	GTGACCTATGCACCAGACGTGCACATCATCCCCAGCACACACTTTTACATCTTCGTCATCAGATCGGAAGAGCGGTTCAG
chr13	103515046	103515085	ERCC5_1290	-	GTGACCTATGCACCAGACGTCAAGTTGGAGATGCCGGTGTCAGTTCCCTTCCATTCGGGAAGATCGGAAGAGCGGTTCAG
chr10	90750584	90750623	FAS_1291	-	GTGACCTATGCACCAGACGTCAATCCTCCGAAGTGAAAGAGCTTCCCCAACTCCGTACTGAGATCGGAAGAGCGGTTCAG
chr10	90762736	90762775	FAS_1292	-	GTGACCTATGCACCAGACGTAAAGCATGAAGAGAATTTTATTGATTTCTGAAGTAAGCAAAGATCGGAAGAGCGGTTCAG
chr10	90767407	90767446	FAS_1293	-	GTGACCTATGCACCAGACGTAAAAAAGGAGCAAGTGTTTGAACAGGACACGGGCAGGTAAAGATCGGAAGAGCGGTTCAG
chr10	90768596	90768635	FAS_1294	-	GTGACCTATGCACCAGACGTAGTTTGGAAACTATTAGTTATAGCGGCTAATTATAAGCAGAGATCGGAAGAGCGGTTCAG
chr10	90770246	90770285	FAS_1295	-	GTGACCTATGCACCAGACGTAAATACAGGAGAAATTCAAAAGCCTGGCAGAATAATTCCTAGATCGGAAGAGCGGTTCAG
chr10	90770460	90770499	FAS_1296	-	GTGACCTATGCACCAGACGTGAACATTGGACATTTTATATGAAAATAAGCAATCTTTAAGAGATCGGAAGAGCGGTTCAG
chr10	90771706	90771745	FAS_1297	-	GTGACCTATGCACCAGACGTAAAGAAATTTTATCAACTCAGGTCTCAGCCTTGTAGAATGAGATCGGAAGAGCGGTTCAG
chr10	90773050	90773089	FAS_1298	-	GTGACCTATGCACCAGACGTAAAAATGGAAGCAGAGAAAGACAAATAAAAATATATCTTTAGATCGGAAGAGCGGTTCAG
chr10	90773826	90773865	FAS_1299	-	GTGACCTATGCACCAGACGTGAAAATAGTCTGAAAATTTGTTTTTCTAAATGAAATTCCCAGATCGGAAGAGCGGTTCAG
chr10	123239321	123239360	FGFR2_1300	-	GTGACCTATGCACCAGACGTCTGCCTGTCCCCAAACAGGACAGCACTGGGAACCTAGCTAAGATCGGAAGAGCGGTTCAG
chr10	123243162	123243201	FGFR2_1301	-	GTGACCTATGCACCAGACGTCCTTCTAGAAGCCCCTTGTCCTTGGTTGTCTTGTGAGACAAGATCGGAAGAGCGGTTCAG
chr10	123244859	123244898	FGFR2_1302	-	GTGACCTATGCACCAGACGTTTGTCTTTCCTGCCGGTGCCCCAGTGGACTTGCCACACCAAGATCGGAAGAGCGGTTCAG
chr10	123246818	123246857	FGFR2_1303	-	GTGACCTATGCACCAGACGTCTCTTTTCTCTGGCTTTTTCCTGGGCTTGAGCTGCAAAAAAGATCGGAAGAGCGGTTCAG
chr10	123247455	123247494	FGFR2_1304	-	GTGACCTATGCACCAGACGTGGCAGTAACACAGTGGGCAGGGGCGGGGGTGAGGCTCAGAAGATCGGAAGAGCGGTTCAG
chr10	123255996	123256035	FGFR2_1305	-	GTGACCTATGCACCAGACGTCACATTCTACTTGGCTGGGTGGAATCCAACTAAAAATGTCAGATCGGAAGAGCGGTTCAG
chr10	123257959	123257998	FGFR2_1306	-	GTGACCTATGCACCAGACGTGGAAAAACTGCATTCGCCCAAATACTCTGCAGTTTGATTGAGATCGGAAGAGCGGTTCAG
chr10	123260290	123260329	FGFR2_1307	-	GTGACCTATGCACCAGACGTAGGCGGGAGGCTCGGGGAGGGGCTGGGTGGAGAGTCTTATAGATCGGAAGAGCGGTTCAG
chr10	123263254	123263293	FGFR2_1308	-	GTGACCTATGCACCAGACGTCTCTTGGCCATGTCCCAGGATGGAGACTCAGCTATAAATGAGATCGGAAGAGCGGTTCAG
chr10	123274581	123274620	FGFR2_1309	-	GTGACCTATGCACCAGACGTAAAGAGTTTAAAGAAATTTACTCCTCCCCCATGACCCAGCAGATCGGAAGAGCGGTTCAG
chr10	123274587	123274626	FGFR2_1310	-	GTGACCTATGCACCAGACGTGTAGATAAAGAGTTTAAAGAAATTTACTCCTCCCCCATGAAGATCGGAAGAGCGGTTCAG
chr10	123276783	123276822	FGFR2_1311	-	GTGACCTATGCACCAGACGTTTCTTTCTCTCTGGGTTTTTTTCCCTTTTCTTGGTTGACTAGATCGGAAGAGCGGTTCAG
chr10	123278146	123278185	FGFR2_1312	-	GTGACCTATGCACCAGACGTTTTCATTTTTGTCTTTTTTTAAAAAGAAAGCTGGATATAGAGATCGGAAGAGCGGTTCAG
chr10	123279443	123279482	FGFR2_1313	-	GTGACCTATGCACCAGACGTTCTGAATCTAAAGGTACCCACAACTGGGGTCTCCTTCATGAGATCGGAAGAGCGGTTCAG
chr10	123298056	123298095	FGFR2_1314	-	GTGACCTATGCACCAGACGTCTCTCCTCGTGTGGCGGCTGCATACCAGCCCATTCTTGCTAGATCGGAAGAGCGGTTCAG
chr10	123323966	123324005	FGFR2_1315	-	GTGACCTATGCACCAGACGTGCCCGGCTCCGATGGTCCCCGAGAGAGGAGCATGGAGGGAAGATCGGAAGAGCGGTTCAG
chr10	123324902	123324941	FGFR2_1316	-	GTGACCTATGCACCAGACGTCCGCCAGCACTATGCTCTCTCTTCTCTGTAGCCATTACATAGATCGGAAGAGCGGTTCAG
chr10	123353173	123353212	FGFR2_1317	-	GTGACCTATGCACCAGACGTTAATTTCACTTTTCAGGTTTGTTTTGGGATTTGTCTGGGGAGATCGGAAGAGCGGTTCAG
chr1	32757721	32757760	HDAC1_1318	-	GTGACCTATGCACCAGACGTTCCCGTCCCTACCGTCAGTCGGTCCGTCCGCCCTCCCGCCAGATCGGAAGAGCGGTTCAG
chr1	32768172	32768211	HDAC1_1319	-	GTGACCTATGCACCAGACGTGAGAGTGACAGCTTCACTAACACAGTTAGGCATACACTACAGATCGGAAGAGCGGTTCAG
chr1	32782216	32782255	HDAC1_1320	-	GTGACCTATGCACCAGACGTGAAGGGAGAAAGGGCAAGTTATTTTTGACCACGGCCAGTCAGATCGGAAGAGCGGTTCAG
chr1	32790030	32790069	HDAC1_1321	-	GTGACCTATGCACCAGACGTATAAGCAAAAGGTTAGTTTCCACAATTTCCTTTAGTTTACAGATCGGAAGAGCGGTTCAG
chr1	32792490	32792529	HDAC1_1322	-	GTGACCTATGCACCAGACGTGAAAAGAGAACATAAGCCTGTTACTAAGCCACTCTCCCCTAGATCGGAAGAGCGGTTCAG
chr1	32793087	32793126	HDAC1_1323	-	GTGACCTATGCACCAGACGTAAGGGGGTCAGGGGTCTGGGGGCTCTTTGGGGATGGGACGAGATCGGAAGAGCGGTTCAG
chr1	32794619	32794658	HDAC1_1324	-	GTGACCTATGCACCAGACGTAGGCCATTAAAGTAAAACTGAAGGATGAAGCTTGAAGGAAAGATCGGAAGAGCGGTTCAG
chr1	32796129	32796168	HDAC1_1325	-	GTGACCTATGCACCAGACGTACATCCTGGTCACCACCAACCTCAAGAAAGCAATACGAGGAGATCGGAAGAGCGGTTCAG
chr1	32796319	32796358	HDAC1_1326	-	GTGACCTATGCACCAGACGTAGAAGGGGTGCTGAGTTACAGGAGCACCAAGCAGGACCCCAGATCGGAAGAGCGGTTCAG
chr1	32797025	32797064	HDAC1_1327	-	GTGACCTATGCACCAGACGTCAGGAGAGAAGACCGTCAAGAGACCTGGCCACCGCACCCTAGATCGGAAGAGCGGTTCAG
chr1	32797227	32797266	HDAC1_1328	-	GTGACCTATGCACCAGACGTTGGGAGAGAGTAGCAGGGCTCTGGTCAGGGACAAACCAAAAGATCGGAAGAGCGGTTCAG
chr1	32797641	32797680	HDAC1_1329	-	GTGACCTATGCACCAGACGTGTGGGAAGCATGGGTGAGAGGGCAGGCGGGTGCTGATTTAAGATCGGAAGAGCGGTTCAG
chr1	32798252	32798291	HDAC1_1330	-	GTGACCTATGCACCAGACGTAGAGTACAGGGATGGCCAAGGGCAGCACCTCTGGGAAGACAGATCGGAAGAGCGGTTCAG
chr1	32798568	32798607	HDAC1_1331	-	GTGACCTATGCACCAGACGTAGCAGAGACTGGCATGAGATGACCCAGCCCAGAGCCTCAGAGATCGGAAGAGCGGTTCAG
chr4	55946058	55946097	KDR_1332	-	GTGACCTATGCACCAGACGTCCACACCCCCAACTCCTGGACATCACATGAGAGGTGCTGCAGATCGGAAGAGCGGTTCAG
chr4	55948073	55948112	KDR_1333	-	GTGACCTATGCACCAGACGTGCCATATTAAAAAGACAAATTTCAATAGGAATTTTTGGAAAGATCGGAAGAGCGGTTCAG
chr4	55948653	55948692	KDR_1334	-	GTGACCTATGCACCAGACGTCTTTTAAAAATAGTCTTAGAAATAATACAAAGGATGAAACAGATCGGAAGAGCGGTTCAG

chr4	55953724	55953763	KDR_1335	-	GTGACCTATGCACCAGACGTTGGCCTAACATCCCCCGGGGGAGGGTGACTTCAAGGCCATAGATCGGAAGAGCGGTTCAG
chr4	55954985	55955024	KDR_1336	-	GTGACCTATGCACCAGACGTTCCATCCAAGAAGCACCTACAAAGAGTACTTAGATGTCAAAGATCGGAAGAGCGGTTCAG
chr4	55955491	55955530	KDR_1337	-	GTGACCTATGCACCAGACGTAAGAAGTATTCCTGTGTTCTCTTTCTTTGCTCGCAAATTCAGATCGGAAGAGCGGTTCAG
chr4	55955808	55955847	KDR_1338	-	GTGACCTATGCACCAGACGTTCTTTTTGTCCTTCCATCCAGACTCCAAAGAGGAAGACAAAGATCGGAAGAGCGGTTCAG
chr4	55956073	55956112	KDR_1339	-	GTGACCTATGCACCAGACGTAATATGAACCCAGTGCTTGGTTAAGTAACAGAATTAAAACAGATCGGAAGAGCGGTTCAG
chr4	55958734	55958773	KDR_1340	-	GTGACCTATGCACCAGACGTTTGAGGGGAAATCAGCTATCTTTTCAGATCACAGGTTTGGAGATCGGAAGAGCGGTTCAG
chr4	55960919	55960958	KDR_1341	-	GTGACCTATGCACCAGACGTGTGCTTCCTGCATGCTATGGCATGCTCTTGTCAGAGCAGAAGATCGGAAGAGCGGTTCAG
chr4	55961694	55961733	KDR_1342	-	GTGACCTATGCACCAGACGTTCCTAATCCTGCTCTGGCCATGTTATAAAATGAAGGGAAAAGATCGGAAGAGCGGTTCAG
chr4	55962346	55962385	KDR_1343	-	GTGACCTATGCACCAGACGTGTGGGTGGTTTTGGTCACCCAATTTTAACATGCCTCTCTGAGATCGGAAGAGCGGTTCAG
chr4	55963779	55963818	KDR_1344	-	GTGACCTATGCACCAGACGTAATTATGTGGTGATCTATCTTTCTGTTTTATCTAGTCTTTAGATCGGAAGAGCGGTTCAG
chr4	55964254	55964293	KDR_1345	-	GTGACCTATGCACCAGACGTAATTGCTATTAATTTGATATTGTGTTTACCAGGCCATCTCAGATCGGAAGAGCGGTTCAG
chr4	55964814	55964853	KDR_1346	-	GTGACCTATGCACCAGACGTAATTTCCCTTCTGCCCATGCACATTGGTTTTCATGATTAAAGATCGGAAGAGCGGTTCAG
chr4	55968479	55968518	KDR_1347	-	GTGACCTATGCACCAGACGTTTTGGCTATCACTCTTGGGTTGCAGAACTTTCCCAGGGATAGATCGGAAGAGCGGTTCAG
chr4	55970760	55970799	KDR_1348	-	GTGACCTATGCACCAGACGTAATTCTGGATCATTGTGCAGAGGCAGTTGGAATGCCTTAAAGATCGGAAGAGCGGTTCAG
chr4	55971949	55971988	KDR_1349	-	GTGACCTATGCACCAGACGTTTCTCTGGAGGTTTGGGTTGGATCACTCACACAGTGGGTAAGATCGGAAGAGCGGTTCAG
chr4	55972804	55972843	KDR_1350	-	GTGACCTATGCACCAGACGTAGTTTTAAAATTTGAAAATCTCTCTCTCTTTAATGGAAGGAGATCGGAAGAGCGGTTCAG
chr4	55973854	55973893	KDR_1351	-	GTGACCTATGCACCAGACGTCCACATGCTCTTTGCTTTCCTGCCATCTTGCATTTCTTACAGATCGGAAGAGCGGTTCAG
chr4	55976520	55976559	KDR_1352	-	GTGACCTATGCACCAGACGTTCAATTTTCCTCTCTGCCCAAGATTTATTATGATACATTGAGATCGGAAGAGCGGTTCAG
chr4	55976771	55976810	KDR_1353	-	GTGACCTATGCACCAGACGTGAAATAAATGCAAAGCATCATTTCGTGTGAGAGCAAATCCAGATCGGAAGAGCGGTTCAG
chr4	55979421	55979460	KDR_1354	-	GTGACCTATGCACCAGACGTGTCTTGGAAATTATTCTGTGCCTTGACAAGTGAGATAATTAGATCGGAAGAGCGGTTCAG
chr4	55980243	55980282	KDR_1355	-	GTGACCTATGCACCAGACGTTGATTCAAAGCCAGACCTCCAAATACTTAGATAATAAGCCAGATCGGAAGAGCGGTTCAG
chr4	55980991	55981030	KDR_1356	-	GTGACCTATGCACCAGACGTATTTCCTTTCCATATCATTAATAACATATCCTTGTATTAAAGATCGGAAGAGCGGTTCAG
chr4	55981398	55981437	KDR_1357	-	GTGACCTATGCACCAGACGTTCTCCTCCAATCGTCTCTTAAGTTTTTATAATTTTAAGCTAGATCGGAAGAGCGGTTCAG
chr4	55984721	55984760	KDR_1358	-	GTGACCTATGCACCAGACGTAAATAAAATTCATTTCCCACGTCTCTTTACCAGTTATAAAAGATCGGAAGAGCGGTTCAG
chr4	55987214	55987253	KDR_1359	-	GTGACCTATGCACCAGACGTATTCTAGATCTAGATTTCTTGTGTTAAGTAACTGATTGTTAGATCGGAAGAGCGGTTCAG
chr4	55991344	55991383	KDR_1360	-	GTGACCTATGCACCAGACGTCACTCTGGAGGAGGAAGGCAGACAGGTCGGGTGAGGGCGGAGATCGGAAGAGCGGTTCAG
chr7	150690842	150690881	NOS3_1361	-	GTGACCTATGCACCAGACGTGTCCACTCTGCTGCCTGCTCCAGCAGAGCCCTGGCCTTTTAGATCGGAAGAGCGGTTCAG
chr7	150692241	150692280	NOS3_1362	-	GTGACCTATGCACCAGACGTCCAGGGATAGGGTCATCAGGAAGGGTTTGTTTCCTTTCAGAGATCGGAAGAGCGGTTCAG
chr7	150693801	150693840	NOS3_1363	-	GTGACCTATGCACCAGACGTGAGGGGTGGGAAGGGGACAAGCAGGAAGTTGTGTGGGACAAGATCGGAAGAGCGGTTCAG
chr7	150695395	150695434	NOS3_1364	-	GTGACCTATGCACCAGACGTCGAGGCAGCGGGAGAGGAGGGTGAGGAGAGAGACGGGGGGAGATCGGAAGAGCGGTTCAG
chr7	150695577	150695616	NOS3_1365	-	GTGACCTATGCACCAGACGTTGGGGAAAGAGCTGGTCAGAGCCCCGCCTTCCCTGCCTTGAGATCGGAAGAGCGGTTCAG
chr7	150695984	150696023	NOS3_1366	-	GTGACCTATGCACCAGACGTTGGGCCAGAGGGGGTTCTGGGGCTGAGCCTCATGCCCTCCAGATCGGAAGAGCGGTTCAG
chr7	150696228	150696267	NOS3_1367	-	GTGACCTATGCACCAGACGTTGGGGTGTGGGATCAGCACCCCCTTGCAGGCCCTTCTTGAAGATCGGAAGAGCGGTTCAG
chr7	150697536	150697575	NOS3_1368	-	GTGACCTATGCACCAGACGTAGGGTGTGTGGCATCGGTAGGGACAGAGGTGATCACGGGGAGATCGGAAGAGCGGTTCAG
chr7	150698269	150698308	NOS3_1369	-	GTGACCTATGCACCAGACGTGAGAGAGGGGGAGAGGCTCAAACCAGACCCACAGACCTCGAGATCGGAAGAGCGGTTCAG
chr7	150698582	150698621	NOS3_1370	-	GTGACCTATGCACCAGACGTATGATGGGGTTGGGAGGGGAGGTAAAGAAAAGGAAAGGTTAGATCGGAAGAGCGGTTCAG
chr7	150698859	150698898	NOS3_1371	-	GTGACCTATGCACCAGACGTGGAAGGTGTGAGGGTGTCCTGGGTGCACAGAGGCAGGGCCAGATCGGAAGAGCGGTTCAG
chr7	150699238	150699277	NOS3_1372	-	GTGACCTATGCACCAGACGTGAAGACAGATGTCCTGGGTGCTGTGGCCCCCGGAGGCCCTAGATCGGAAGAGCGGTTCAG
chr7	150703465	150703504	NOS3_1373	-	GTGACCTATGCACCAGACGTGAGTGTTTGCATCAGGGTTAGTTTTGTTTCATTTCAAACTAGATCGGAAGAGCGGTTCAG
chr7	150703927	150703966	NOS3_1374	-	GTGACCTATGCACCAGACGTAGGACAAAGACAAGGTTGTCACAGGGCCCTGGGGATACAGAGATCGGAAGAGCGGTTCAG
chr7	150704140	150704179	NOS3_1375	-	GTGACCTATGCACCAGACGTGGGGTCGTCAGTGGAGCTCCCTTTGCAGGCCACGTTTGCCAGATCGGAAGAGCGGTTCAG
chr7	150705968	150706007	NOS3_1376	-	GTGACCTATGCACCAGACGTGGCCGGTGAGGGCTGAGGACCTCCCGCCACCAGGGGTCGCAGATCGGAAGAGCGGTTCAG
chr7	150706227	150706266	NOS3_1377	-	GTGACCTATGCACCAGACGTGGAGGGGCAAATGAGGCAGCCTGAGCTAGGGAGCAGGGCCAGATCGGAAGAGCGGTTCAG
chr7	150706436	150706475	NOS3_1378	-	GTGACCTATGCACCAGACGTGGAGAGGGGCACTTATGGGGAGTCAGAGAGGGGTGGGGGCAGATCGGAAGAGCGGTTCAG
chr7	150707153	150707192	NOS3_1379	-	GTGACCTATGCACCAGACGTTGCACAGGGAGCTCTGAGGACAGGGCCCAGCAGGACTGCAAGATCGGAAGAGCGGTTCAG
chr7	150707635	150707674	NOS3_1380	-	GTGACCTATGCACCAGACGTAGGATGCAGTGGGTTGGAGGCCCCATAGCCCTTCCTAGTAAGATCGGAAGAGCGGTTCAG
chr7	150707937	150707976	NOS3_1381	-	GTGACCTATGCACCAGACGTGAAGGAGAGGCCGGTGAGGGGCCAGAGAGGGGCCGGTCCCAGATCGGAAGAGCGGTTCAG
chr7	150709389	150709428	NOS3_1382	-	GTGACCTATGCACCAGACGTAGACACTCCATCAGGTCCCCTTTGCCTTTCCTGCTCCACCAGATCGGAAGAGCGGTTCAG
chr7	150710269	150710308	NOS3_1383	-	GTGACCTATGCACCAGACGTCCCCGCGCTTGGGAAGGCTCTTCTCCGGGGCACAGTGCTAAGATCGGAAGAGCGGTTCAG
chr7	150710762	150710801	NOS3_1384	-	GTGACCTATGCACCAGACGTGCGGGGTTAGGGCGGGCCCTGGTGGGGGTGGGCGCGGGGGAGATCGGAAGAGCGGTTCAG
chr7	150711046	150711085	NOS3_1385	-	GTGACCTATGCACCAGACGTAGAGCACAGTGGATCAGAACCCGACTCGGAGACCTTAGCAAGATCGGAAGAGCGGTTCAG
chr9	98209144	98209183	PTCH1_1386	-	GTGACCTATGCACCAGACGTACTGACAAGGGCAGCCAAGGGACCTAGAGCCAGGCAAAGAAGATCGGAAGAGCGGTTCAG
chr9	98211301	98211340	PTCH1_1387	-	GTGACCTATGCACCAGACGTCTGCAGAACCAGGGGGAGGGGTCTTCCCACCGTGGTAGTGAGATCGGAAGAGCGGTTCAG
chr9	98212073	98212112	PTCH1_1388	-	GTGACCTATGCACCAGACGTACACGGGGATGTCCCACGTGTAGGCCGGCTGAATGCTGTGAGATCGGAAGAGCGGTTCAG
chr9	98218508	98218547	PTCH1_1389	-	GTGACCTATGCACCAGACGTCATTTGAAGCAAAAACTTTGTGAAAAAACAACCCATTTCCAGATCGGAAGAGCGGTTCAG
chr9	98220245	98220284	PTCH1_1390	-	GTGACCTATGCACCAGACGTTATAAGGGGCTTTGTGGAAGTCAAATTCCTTTCAGCATAGAGATCGGAAGAGCGGTTCAG
chr9	98221832	98221871	PTCH1_1391	-	GTGACCTATGCACCAGACGTTTTTATCGGGAGGTCTGGGAACTTACAGAGGTGCCTTCCCAGATCGGAAGAGCGGTTCAG
chr9	98224088	98224127	PTCH1_1392	-	GTGACCTATGCACCAGACGTTGCTGGGCACTGAGGGCGCTTCCAGGGCTGCGGGGCCGCTAGATCGGAAGAGCGGTTCAG

chr9	98229348	98229387	PTCH1_1393	-	GTGACCTATGCACCAGACGTGTGGGAGGCTCTCGTCCTTTCGGTCTTTTGCGTGTTCAGCAGATCGGAAGAGCGGTTCAG
chr9	98230983	98231022	PTCH1_1394	-	GTGACCTATGCACCAGACGTACAACTTAAGGCTCTTCCTGTCTTCAAAAAAATAACAGAAAGATCGGAAGAGCGGTTCAG
chr9	98232045	98232084	PTCH1_1395	-	GTGACCTATGCACCAGACGTAGACTGCTGTGGCCTTTTGATTGGGTGCAGAATGGTGCTGAGATCGGAAGAGCGGTTCAG
chr9	98238266	98238305	PTCH1_1396	-	GTGACCTATGCACCAGACGTGGTGATGAAGGCTGTGGTGATCCTGAACGGGGCACTGACTAGATCGGAAGAGCGGTTCAG
chr9	98238991	98239030	PTCH1_1397	-	GTGACCTATGCACCAGACGTAACAAAAGAAGAGAGCTTTGGGGACATCACAGCTTCCTCTAGATCGGAAGAGCGGTTCAG
chr9	98239779	98239818	PTCH1_1398	-	GTGACCTATGCACCAGACGTAGCCATTTATCTGCTGTCCGTTGACAAATGCCACCCGGCCAGATCGGAAGAGCGGTTCAG
chr9	98240287	98240326	PTCH1_1399	-	GTGACCTATGCACCAGACGTATGCCATGCTCCTGGGGGCTGGAGTTTGGTTTGGTTGTTTAGATCGGAAGAGCGGTTCAG
chr9	98241232	98241271	PTCH1_1400	-	GTGACCTATGCACCAGACGTCTTCGAATCGGCGTGCAGACTCGCTGGTTATGCAATTCTTAGATCGGAAGAGCGGTTCAG
chr9	98242201	98242240	PTCH1_1401	-	GTGACCTATGCACCAGACGTTCCCGAGGACAATCTATGCCCTGTAGTCTTCTTCCTTTCCAGATCGGAAGAGCGGTTCAG
chr9	98242622	98242661	PTCH1_1402	-	GTGACCTATGCACCAGACGTGCAGTGAGCGCTCTCAGAAGGGTGGAGAGCAAAACACTTTAGATCGGAAGAGCGGTTCAG
chr9	98244181	98244220	PTCH1_1403	-	GTGACCTATGCACCAGACGTGATCATGCTTTCTGATGTCTGTGACTTCTCTAGGACTCAGAGATCGGAAGAGCGGTTCAG
chr9	98244366	98244405	PTCH1_1404	-	GTGACCTATGCACCAGACGTTTCTTGTTGGCAAAAATTTCTCAGGAACACCCCAGTAGTGAGATCGGAAGAGCGGTTCAG
chr9	98247917	98247956	PTCH1_1405	-	GTGACCTATGCACCAGACGTCCGCGTCCACCTACTAATGAGCAGCAGGTAAGGCGGTGGGAGATCGGAAGAGCGGTTCAG
chr9	98270393	98270432	PTCH1_1406	-	GTGACCTATGCACCAGACGTGACTCTCTCCTCCCACTTTCTCTTCCCTCCTCTAACTCTTAGATCGGAAGAGCGGTTCAG
chr9	98278701	98278740	PTCH1_1407	-	GTGACCTATGCACCAGACGTCCAGCGCGGCGGCCGCCGACGCCACCTCGCCTCGCGCGCCAGATCGGAAGAGCGGTTCAG
chr9	98278855	98278894	PTCH1_1408	-	GTGACCTATGCACCAGACGTGACGAGGGAAGACTGGGAGAAGACGGAGGAGCGGAGGACGAGATCGGAAGAGCGGTTCAG
chr9	98209414	98209453	PTCH1_1409	-	GTGACCTATGCACCAGACGTCCGGCTACTGCCAGCCCATCACCACTGTGACGGCTTCTGCAGATCGGAAGAGCGGTTCAG
chr5	1253793	1253832	TERT_1410	-	GTGACCTATGCACCAGACGTCCCACAGCCAGGCCGAGAGCAGACACCAGCAGCCCTGTCAAGATCGGAAGAGCGGTTCAG
chr5	1254433	1254472	TERT_1411	-	GTGACCTATGCACCAGACGTGTGGAGGCCAGTGCGGGCCCCACCTGCCCAGGGGTCATCCAGATCGGAAGAGCGGTTCAG
chr5	1255352	1255391	TERT_1412	-	GTGACCTATGCACCAGACGTGTGCCTGGCCTCAGTGGCAGCAGTGCCTGCCTGCTGGTGTAGATCGGAAGAGCGGTTCAG
chr5	1258663	1258702	TERT_1413	-	GTGACCTATGCACCAGACGTACCAAGGGGTGCAGGCCCAGCCTCCAGGGACCCTCCGCGCAGATCGGAAGAGCGGTTCAG
chr5	1264469	1264508	TERT_1414	-	GTGACCTATGCACCAGACGTCTGGCCGGAAGTGGAGCCTGTGCCCGGCTGGGGCAGGTGCAGATCGGAAGAGCGGTTCAG
chr5	1266529	1266568	TERT_1415	-	GTGACCTATGCACCAGACGTTGCCGTGTGTCTGTGGGGACCTCCACAGCCTGTGGGCTTTAGATCGGAAGAGCGGTTCAG
chr5	1268585	1268624	TERT_1416	-	GTGACCTATGCACCAGACGTCTCTTCCCCAGGGGGGCTTGGGTGGGGGTTGATTTGCTTTAGATCGGAAGAGCGGTTCAG
chr5	1271184	1271223	TERT_1417	-	GTGACCTATGCACCAGACGTTGGCCAGGTGCCATTGCCCTGCGGGTGGCTGGGCGGGCTGAGATCGGAAGAGCGGTTCAG
chr5	1272250	1272289	TERT_1418	-	GTGACCTATGCACCAGACGTTGCCCTGCAGGGTTGGGCACGGACTCCCAGCAGTGGGTCCAGATCGGAAGAGCGGTTCAG
chr5	1278706	1278745	TERT_1419	-	GTGACCTATGCACCAGACGTCGTGTGATAGTCGTGTCCAGGATGTGTGTCTCTGGGATATAGATCGGAAGAGCGGTTCAG
chr5	1279356	1279395	TERT_1420	-	GTGACCTATGCACCAGACGTGGGACCCCCGTGAGCAGCCCTGCTGGACCTTGGGAGTGGCAGATCGGAAGAGCGGTTCAG
chr5	1280223	1280262	TERT_1421	-	GTGACCTATGCACCAGACGTTTTGGTTTAACTTCCTTTTTAAACAGAAGTGCGTTTGAGCAGATCGGAAGAGCGGTTCAG
chr5	1282494	1282533	TERT_1422	-	GTGACCTATGCACCAGACGTCCCACGCCAGGCCTCTGCTTCTCGAAGTCCTGGAACACCAAGATCGGAAGAGCGGTTCAG
chr5	1293378	1293417	TERT_1423	-	GTGACCTATGCACCAGACGTGGTGGCCGTCGAGGGCCCAGGCCCCAGAGCTGAATGCAGTAGATCGGAAGAGCGGTTCAG
chr5	1294836	1294875	TERT_1424	-	GTGACCTATGCACCAGACGTCCGGGGTCGGCGTCCGGCTGGGGTTGAGGGCGGCCGGGGGAGATCGGAAGAGCGGTTCAG
chr5	1293829	1293868	TERT_1425	-	GTGACCTATGCACCAGACGTGGTTGCCCCGCCTGCCCCAGCGCTACTGGCAAATGCGGCCAGATCGGAAGAGCGGTTCAG
chr5	1294280	1294319	TERT_1426	-	GTGACCTATGCACCAGACGTGCCAGCCGAAGTCTGCCGTTGCCCAAGAGGCCCAGGCGTGAGATCGGAAGAGCGGTTCAG
chr16	2098567	2098606	TSC2_1427	-	GTGACCTATGCACCAGACGTGACGCACCAGAAAACCCCTCTGTGCAAACGAAACAGGAATAGATCGGAAGAGCGGTTCAG
chr16	2100351	2100390	TSC2_1428	-	GTGACCTATGCACCAGACGTATGAAAGAAGAAAAAGGGGCCAGTGCTCAGGCCACGGTCTAGATCGGAAGAGCGGTTCAG
chr16	2103293	2103332	TSC2_1429	-	GTGACCTATGCACCAGACGTCAGAGGGGACAGCGGTGAGGATGTGCTCTCCAAGAACCCTAGATCGGAAGAGCGGTTCAG
chr16	2104247	2104286	TSC2_1430	-	GTGACCTATGCACCAGACGTAAGCCACAGGATCAGCAGAGCCTGCCAGCGTCGCCCACACAGATCGGAAGAGCGGTTCAG
chr16	2105353	2105392	TSC2_1431	-	GTGACCTATGCACCAGACGTAGCGGCGGCAGTTTGCGAGGACGCCGAATCTACATCTCCCAGATCGGAAGAGCGGTTCAG
chr16	2106147	2106186	TSC2_1432	-	GTGACCTATGCACCAGACGTCACCGAGCTCAGTCCCGGCAGCACTGCCTGGATGGCCGAGAGATCGGAAGAGCGGTTCAG
chr16	2106595	2106634	TSC2_1433	-	GTGACCTATGCACCAGACGTGGGAGACGGCTCACGCCCGTCCTACCCCAGCTCCTCCCCAAGATCGGAAGAGCGGTTCAG
chr16	2107056	2107095	TSC2_1434	-	GTGACCTATGCACCAGACGTCAATGCGTGTCAGGGGCTGGCAGGCATAAGCCCTGCCCCCAGATCGGAAGAGCGGTTCAG
chr16	2108698	2108737	TSC2_1435	-	GTGACCTATGCACCAGACGTTCCCCAGAGAGACGGAATGTGAGCAGGGCCCTGTCCCAGGAGATCGGAAGAGCGGTTCAG
chr16	2110621	2110660	TSC2_1436	-	GTGACCTATGCACCAGACGTAGCCCGGCCAGCACACAGGGTCAGAGCTGCTTGCTTGCTGAGATCGGAAGAGCGGTTCAG
chr16	2111822	2111861	TSC2_1437	-	GTGACCTATGCACCAGACGTAGGCACGATGACACAGGCTGACTTCCACTCCCCACATGGAAGATCGGAAGAGCGGTTCAG
chr16	2112448	2112487	TSC2_1438	-	GTGACCTATGCACCAGACGTAAGAGCCGGTGTTGCCCCTCTGCCCCTCCGGCGCTCTCCTAGATCGGAAGAGCGGTTCAG
chr16	2112923	2112962	TSC2_1439	-	GTGACCTATGCACCAGACGTGCAGCCTGCTGGGGCGGGTGGGGAGTGCCCGGCCACAGCCAGATCGGAAGAGCGGTTCAG
chr16	2114223	2114262	TSC2_1440	-	GTGACCTATGCACCAGACGTACAAGGGAGGCCAATGAGCGCCAGCCCAACGAGGGCCACAAGATCGGAAGAGCGGTTCAG
chr16	2115470	2115509	TSC2_1441	-	GTGACCTATGCACCAGACGTAAGGCCAGGACTTACACACAGGCTCATGGTTCTGAGTCAGAGATCGGAAGAGCGGTTCAG
chr16	2120407	2120446	TSC2_1442	-	GTGACCTATGCACCAGACGTAGGACGCAGCTCACCACGGCGCAGGAGGTGAAAACGCAGTAGATCGGAAGAGCGGTTCAG
chr16	2121461	2121500	TSC2_1443	-	GTGACCTATGCACCAGACGTGAGGATGGTGAAAGCCAGAGCCAAGCTCGTGCAGGCCCAGAGATCGGAAGAGCGGTTCAG
chr16	2121735	2121774	TSC2_1444	-	GTGACCTATGCACCAGACGTAAGAGAAGCAGCTGAGGCCAAGTCCCCGCAGCAGGAACGGAGATCGGAAGAGCGGTTCAG
chr16	2122192	2122231	TSC2_1445	-	GTGACCTATGCACCAGACGTAGGAGGCGTCAGGACAGGGCCTTCTGGACCCTAGAGACAGAGATCGGAAGAGCGGTTCAG
chr16	2122800	2122839	TSC2_1446	-	GTGACCTATGCACCAGACGTAATCCAGGCATGAAACCTCTCCCCAGCGGCCAGGTCACGGAGATCGGAAGAGCGGTTCAG
chr16	2124151	2124190	TSC2_1447	-	GTGACCTATGCACCAGACGTCAGGACACCTCAGGCCCCACCCGCTTGCAGCAGAGGCAGCAGATCGGAAGAGCGGTTCAG
chr16	2125750	2125789	TSC2_1448	-	GTGACCTATGCACCAGACGTGGAGAGGGTGGTCAGGGGAGCCGGGGTCCCGTGCAGCGCCAGATCGGAAGAGCGGTTCAG
chr16	2126019	2126058	TSC2_1449	-	GTGACCTATGCACCAGACGTAAGGGGGCTGGCACTCCATCCTGGCAGCAGGGAAACATCCAGATCGGAAGAGCGGTTCAG
chr16	2126442	2126481	TSC2_1450	-	GTGACCTATGCACCAGACGTGAGCACACCCAGACAGTGAGGGGTGGCAATGGGGGCTGGAAGATCGGAAGAGCGGTTCAG

chr16	2127549	2127588	TSC2_1451	-	GTGACCTATGCACCAGACGTAGGAAGGAGCCCCAACGCCCCAGAGAGCCCAGCTCCCGGGAGATCGGAAGAGCGGTTCAG
chr16	2128983	2129022	TSC2_1452	-	GTGACCTATGCACCAGACGTAGGCCGTGACCAGGGTCAGGGTGCCAGGTAGGGCGGGCCGAGATCGGAAGAGCGGTTCAG
chr16	2129227	2129266	TSC2_1453	-	GTGACCTATGCACCAGACGTGGGAGCGTGAAACCCAGCTTGCCCGTGGAGCTCCCGCAGGAGATCGGAAGAGCGGTTCAG
chr16	2129508	2129547	TSC2_1454	-	GTGACCTATGCACCAGACGTAATCCCACGCACAGGGTGGACTTAGTCCCCAGGCTGGTACAGATCGGAAGAGCGGTTCAG
chr16	2130116	2130155	TSC2_1455	-	GTGACCTATGCACCAGACGTGGGCAGAGGACTGGTGACCACCACTTACCTGATGCAAAACAGATCGGAAGAGCGGTTCAG
chr16	2131546	2131585	TSC2_1456	-	GTGACCTATGCACCAGACGTGGCAGCACCTTTGGCCTGAGGCCAGTACCTCCCCTTACCCAGATCGGAAGAGCGGTTCAG
chr16	2132387	2132426	TSC2_1457	-	GTGACCTATGCACCAGACGTAGGCCGTGTGCGGCCACGTCAGCAGGAGGAGGGGCTACACAGATCGGAAGAGCGGTTCAG
chr16	2133646	2133685	TSC2_1458	-	GTGACCTATGCACCAGACGTACAGACGGGGCTGCTGGATGTGGGGCTGGGCCAGGCCCTGAGATCGGAAGAGCGGTTCAG
chr16	2134179	2134218	TSC2_1459	-	GTGACCTATGCACCAGACGTCCATCCCAAAGAGAACCCCTGTCAGCAGGCACCCTCGAGCAGATCGGAAGAGCGGTTCAG
chr16	2134902	2134941	TSC2_1460	-	GTGACCTATGCACCAGACGTAGGGGATGGTGGGCACCCAGGTGAGGGCCTGGCCAGGGCAAGATCGGAAGAGCGGTTCAG
chr16	2135181	2135220	TSC2_1461	-	GTGACCTATGCACCAGACGTCAGAGCCCTGCCTGAGCCCCAGACGCCCGTCCACAGGAGGAGATCGGAAGAGCGGTTCAG
chr16	2136144	2136183	TSC2_1462	-	GTGACCTATGCACCAGACGTAGGGGAGAGGCAGGGTGGCATCACTCCCGGGCCGGGCCCTAGATCGGAAGAGCGGTTCAG
chr16	2136683	2136722	TSC2_1463	-	GTGACCTATGCACCAGACGTGCAGGGCCGGATGGGTTTGTGGGGCCAGTGCTGAGGCCCTAGATCGGAAGAGCGGTTCAG
chr16	2137814	2137853	TSC2_1464	-	GTGACCTATGCACCAGACGTAAGAGAAAGGGTCATCCCCGCACACAGCGTGTGCTGAAGGAGATCGGAAGAGCGGTTCAG
chr16	2137999	2138038	TSC2_1465	-	GTGACCTATGCACCAGACGTTTGGTGGTCACGCCAGGCCCAGGGCTCTTGGCGCCACACTAGATCGGAAGAGCGGTTCAG
chr16	2138178	2138217	TSC2_1466	-	GTGACCTATGCACCAGACGTAGGCAGGGGGTGAGCTCACTATCAGGTGGCACCTGGGCCTAGATCGGAAGAGCGGTTCAG
chr16	2138397	2138436	TSC2_1467	-	GTGACCTATGCACCAGACGTAGGCGGCTTGGGCAGTAAGTCTGGGAGGCGTGGCAACCGCAGATCGGAAGAGCGGTTCAG
chr15	91290573	91290612	BLM_1468	-	GTGACCTATGCACCAGACGTAGTGAGGGAAAAAGAAATCAGTGGAGTTAGGTACTTTGCAAGATCGGAAGAGCGGTTCAG
chr15	91292547	91292586	BLM_1469	-	GTGACCTATGCACCAGACGTATGGAAAAACTAGATTAGATGGATCCATTTTAAGAAACCCAGATCGGAAGAGCGGTTCAG
chr15	91294967	91295006	BLM_1470	-	GTGACCTATGCACCAGACGTACAGTTGATAAACATAGATTTGTTAACCACTAATGAGACAAGATCGGAAGAGCGGTTCAG
chr15	91297991	91298030	BLM_1471	-	GTGACCTATGCACCAGACGTAAAAAATGTTAAGCCAATCATACTATAGGCTAGACTCAATAGATCGGAAGAGCGGTTCAG
chr15	91303327	91303366	BLM_1472	-	GTGACCTATGCACCAGACGTATTATGTTGTTAATATTTTTCTTTGAGGGAAAAAAAAAAAAGATCGGAAGAGCGGTTCAG
chr15	91303774	91303813	BLM_1473	-	GTGACCTATGCACCAGACGTAAAAGAGAACAACGTATTAAATATAAGTAGTTTACTCTGGAGATCGGAAGAGCGGTTCAG
chr15	91306146	91306185	BLM_1474	-	GTGACCTATGCACCAGACGTAATCAACGTTAAGAAAAATCAGTACATGAATACAGTGAAAAGATCGGAAGAGCGGTTCAG
chr15	91308476	91308515	BLM_1475	-	GTGACCTATGCACCAGACGTACAATGAAAAAATATCTGTCAGGTTCTGTCTTCAGAGCATAGATCGGAAGAGCGGTTCAG
chr15	91310090	91310129	BLM_1476	-	GTGACCTATGCACCAGACGTAAGTAGTAAACAATTTCAATTTTATACATTAACCTGACAAAGATCGGAAGAGCGGTTCAG
chr15	91312313	91312352	BLM_1477	-	GTGACCTATGCACCAGACGTAATACATTAGACATGTAAAAACACTGAAACACATCACCTCAGATCGGAAGAGCGGTTCAG
chr15	91312618	91312657	BLM_1478	-	GTGACCTATGCACCAGACGTAAAAAAATACTGCTTTTCAGACTACTTGGAGCTTCCTTCTAGATCGGAAGAGCGGTTCAG
chr15	91326002	91326041	BLM_1479	-	GTGACCTATGCACCAGACGTCCCAAACATAAAATTTAGTTATTATGAGAAAATATGACTTAGATCGGAAGAGCGGTTCAG
chr15	91328101	91328140	BLM_1480	-	GTGACCTATGCACCAGACGTACCAAGAGTACTGAGAAACAAGAATTTTTAACATAAACAAAGATCGGAAGAGCGGTTCAG
chr15	91333829	91333868	BLM_1481	-	GTGACCTATGCACCAGACGTAGCAAAAGCTTATTAGATTCATAAGGCACAGACTTGAAGGAGATCGGAAGAGCGGTTCAG
chr15	91337347	91337386	BLM_1482	-	GTGACCTATGCACCAGACGTTGAAGACTATAGTAAGACATACTTATAGGGGAAAAATAGAAGATCGGAAGAGCGGTTCAG
chr15	91341370	91341409	BLM_1483	-	GTGACCTATGCACCAGACGTAAAGAGAATACTTTCTGCTATAATTAAGGTAACAATGCCTAGATCGGAAGAGCGGTTCAG
chr15	91346701	91346740	BLM_1484	-	GTGACCTATGCACCAGACGTGATACAGGAAGTAAGATGAGTAAATGTACGTATATCATCAAGATCGGAAGAGCGGTTCAG
chr15	91347347	91347386	BLM_1485	-	GTGACCTATGCACCAGACGTGAGAAACAAATCATAGGAGTGGGTATATGTGCACTTGTACAGATCGGAAGAGCGGTTCAG
chr15	91352317	91352356	BLM_1486	-	GTGACCTATGCACCAGACGTGCATAAAATTAGGAATTTAAATTATCACCCATAGAAAACCAGATCGGAAGAGCGGTTCAG
chr15	91354385	91354424	BLM_1487	-	GTGACCTATGCACCAGACGTAAAATGCAGATGTTTACAGGTGATGTCGCACTGGTCCACGAGATCGGAAGAGCGGTTCAG
chr15	91358282	91358321	BLM_1488	-	GTGACCTATGCACCAGACGTACAAAGAAAAAAATCAAAATGTTAAATGAAACCAAAAATGAGATCGGAAGAGCGGTTCAG
chr15	91292897	91292936	BLM_1489	-	GTGACCTATGCACCAGACGTATCTGGTGAAGAACTAAATTCTAATTTCTTGAGAGCAGTAAGATCGGAAGAGCGGTTCAG
chr15	91304105	91304144	BLM_1490	-	GTGACCTATGCACCAGACGTTTTTTTCCTAGTCTTGGTGTTTCAGCCCAGTTGCTACTTAAGATCGGAAGAGCGGTTCAG
chr11	119077078	119077117	CBL_1491	-	GTGACCTATGCACCAGACGTGGGTCGGAGCCCAGGCGGGTCCGCCGGCTCGGCTCGACTGAGATCGGAAGAGCGGTTCAG
chr11	119103108	119103147	CBL_1492	-	GTGACCTATGCACCAGACGTTGAAAAAGAAGGGCTATTACTTGGAGAATTTTAAGGACAGAGATCGGAAGAGCGGTTCAG
chr11	119144528	119144567	CBL_1493	-	GTGACCTATGCACCAGACGTGGTGGAGAGGAGGCATAAAGTGAAATAACAGAGATAATTCAGATCGGAAGAGCGGTTCAG
chr11	119145492	119145531	CBL_1494	-	GTGACCTATGCACCAGACGTAAGATCAATCACAGACTATTCAGGTCAGATGTACAACCAAAGATCGGAAGAGCGGTTCAG
chr11	119146657	119146696	CBL_1495	-	GTGACCTATGCACCAGACGTACATAAACAGAAGCTTTAGTAGATTATGCTGGTATTACGGAGATCGGAAGAGCGGTTCAG
chr11	119148417	119148456	CBL_1496	-	GTGACCTATGCACCAGACGTTAACCAACCCTGGGTTTTATTTAAGCCAATTTGCCAGTGCAGATCGGAAGAGCGGTTCAG
chr11	119148826	119148865	CBL_1497	-	GTGACCTATGCACCAGACGTAAAAAATTAAAAGACTATTAGTTGAATAAATAACTGCAATAGATCGGAAGAGCGGTTCAG
chr11	119149170	119149209	CBL_1498	-	GTGACCTATGCACCAGACGTAGCAAAAGATAGTAACAGATGCATCTGAAAATACTTAAAAAGATCGGAAGAGCGGTTCAG
chr11	119155629	119155668	CBL_1499	-	GTGACCTATGCACCAGACGTTAAAAAATTTAACAGATTACTTTCGTTTGGGGAAATGGCAAGATCGGAAGAGCGGTTCAG
chr11	119155849	119155888	CBL_1500	-	GTGACCTATGCACCAGACGTAGGGTGAAAGCAAATCAGTAAAAACCCACTAGTACACAGCAGATCGGAAGAGCGGTTCAG
chr11	119158512	119158551	CBL_1501	-	GTGACCTATGCACCAGACGTAAGAAAAGTGTTGAAAAACAACTTTCTTACCACAGCTGAGAGATCGGAAGAGCGGTTCAG
chr11	119167578	119167617	CBL_1502	-	GTGACCTATGCACCAGACGTAAGAATAAAAAATAGAAAAAGAAGTAACAAACCAGTAAACAGATCGGAAGAGCGGTTCAG
chr11	119168044	119168083	CBL_1503	-	GTGACCTATGCACCAGACGTAGGAAAGTGCCATAATGATCTTTGGAAATAGAACTGTTATAGATCGGAAGAGCGGTTCAG
chr11	119169018	119169057	CBL_1504	-	GTGACCTATGCACCAGACGTATGAGTGATGTTATCTTCTTCTGACGCACTTCATCTTCTAAGATCGGAAGAGCGGTTCAG
chr11	119170155	119170194	CBL_1505	-	GTGACCTATGCACCAGACGTTAGGAAAGAAAATATTTGCAAATCTGGGGAAATCCTCATTAGATCGGAAGAGCGGTTCAG
chr17	48262813	48262852	COL1A1_1506	-	GTGACCTATGCACCAGACGTTCCCAACCTGGCTCCCTCCCACCCAACCAACTTTCCCCCCAGATCGGAAGAGCGGTTCAG
chr17	48263089	48263128	COL1A1_1507	-	GTGACCTATGCACCAGACGTAGAATCCCCAGGCAGGGCCCCACCTCTCCGGCCTTGGGCTAGATCGGAAGAGCGGTTCAG
chr17	48263628	48263667	COL1A1_1508	-	GTGACCTATGCACCAGACGTTGGACCTCAGAGCCAGTGTTAGGAGATGGGCTAGCCCAGTAGATCGGAAGAGCGGTTCAG

chr17	48263951	48263990	COL1A1_1509	-	GTGACCTATGCACCAGACGTGCCCTAGCCTCTCCCTCCCTCCTACTCCTGCCATGCCAGGAGATCGGAAGAGCGGTTCAG
chr17	48264326	48264365	COL1A1_1510	-	GTGACCTATGCACCAGACGTCCTCATCCCCTCTGCTCATGGCCCTCCAGCCCCCAAAGCAAGATCGGAAGAGCGGTTCAG
chr17	48264795	48264834	COL1A1_1511	-	GTGACCTATGCACCAGACGTCCTTCTCTCTCCTCTTCCTGAGCCCCAAGCCCAGGCTCACAGATCGGAAGAGCGGTTCAG
chr17	48265187	48265226	COL1A1_1512	-	GTGACCTATGCACCAGACGTTCAGCCCCTCCCCAGTCCCCATGCTGTGCTGTGGGATAGGAGATCGGAAGAGCGGTTCAG
chr17	48265407	48265446	COL1A1_1513	-	GTGACCTATGCACCAGACGTTGCTGTGTCCCCCATGCCTTTAGAACTCTACAGATGCAGAAGATCGGAAGAGCGGTTCAG
chr17	48265841	48265880	COL1A1_1514	-	GTGACCTATGCACCAGACGTGGGCTCCAGTTCCCTGTACCTGGTCAGGCCAGGGACTCTTAGATCGGAAGAGCGGTTCAG
chr17	48266053	48266092	COL1A1_1515	-	GTGACCTATGCACCAGACGTAACACTCCATGACCACAGCCTTGTCTGCTGCTTCCCTGCCAGATCGGAAGAGCGGTTCAG
chr17	48266214	48266253	COL1A1_1516	-	GTGACCTATGCACCAGACGTCCCAGCCCCCATGCCAGTACCCTCAGCATGGCCATTGTGGAGATCGGAAGAGCGGTTCAG
chr17	48266479	48266518	COL1A1_1517	-	GTGACCTATGCACCAGACGTCCCTCACCTTGGGGGGCCCTGAGAAAAACCATCACAGGACAGATCGGAAGAGCGGTTCAG
chr17	48266688	48266727	COL1A1_1518	-	GTGACCTATGCACCAGACGTGCTCAGATCTCTGCAGCTCCGGAGGTGTGCAGAGCTGGGGAGATCGGAAGAGCGGTTCAG
chr17	48266990	48267029	COL1A1_1519	-	GTGACCTATGCACCAGACGTGCAGCAGAGTCCACTGCTCTAGGTTGGGGGTGCTGGGTGGAGATCGGAAGAGCGGTTCAG
chr17	48267170	48267209	COL1A1_1520	-	GTGACCTATGCACCAGACGTCCCGCCTCTCTGTTGAGCCTCTCCCCTCTCCCCAGGCAGCAGATCGGAAGAGCGGTTCAG
chr17	48267312	48267351	COL1A1_1521	-	GTGACCTATGCACCAGACGTTGGCCCTCTGTGCCCACGAGGCTGGTGGGCTGGGACCCAGAGATCGGAAGAGCGGTTCAG
chr17	48267638	48267677	COL1A1_1522	-	GTGACCTATGCACCAGACGTAGACCCCCATCATTTTTCATCACCGACTGGGACCTGGGACAGATCGGAAGAGCGGTTCAG
chr17	48267854	48267893	COL1A1_1523	-	GTGACCTATGCACCAGACGTAAGACCTGTTAAGACCCCATACTTGGCCCTTCCCTCCCTTAGATCGGAAGAGCGGTTCAG
chr17	48268128	48268167	COL1A1_1524	-	GTGACCTATGCACCAGACGTCGCCTCCCCACCTTCTGCCCTAACACATAGCCTCCTCAGCAGATCGGAAGAGCGGTTCAG
chr17	48268694	48268733	COL1A1_1525	-	GTGACCTATGCACCAGACGTCCTTCCCCCTCCCCTGAGCCCTACATGGCTCCCATCTCTGAGATCGGAAGAGCGGTTCAG
chr17	48269099	48269138	COL1A1_1526	-	GTGACCTATGCACCAGACGTCGTGGAAGGGGCTCTGGCAAGTGGCCCAGGGACCAGGTCTAGATCGGAAGAGCGGTTCAG
chr17	48269291	48269330	COL1A1_1527	-	GTGACCTATGCACCAGACGTCTCTCTCGCTGCATCCGTCAAGGTGCGTCGTACTTGGCCCAGATCGGAAGAGCGGTTCAG
chr17	48269786	48269825	COL1A1_1528	-	GTGACCTATGCACCAGACGTGCAGCCGGCCAGAGGGGTGGGAGATGCAGGGAATCCAGAGAGATCGGAAGAGCGGTTCAG
chr17	48269951	48269990	COL1A1_1529	-	GTGACCTATGCACCAGACGTATGGCTGTCAGGATGCTGGGAGGTAGGGGTAGGAAACACCAGATCGGAAGAGCGGTTCAG
chr17	48270108	48270147	COL1A1_1530	-	GTGACCTATGCACCAGACGTCTGATGGGGAGATCTGGGGAGCAGAAAAGGGGAGACACCCAGATCGGAAGAGCGGTTCAG
chr17	48270305	48270344	COL1A1_1531	-	GTGACCTATGCACCAGACGTCCTTTCCATCCCTACCTCCTTCCCATTGCTGCCCCGGCACAGATCGGAAGAGCGGTTCAG
chr17	48271441	48271480	COL1A1_1532	-	GTGACCTATGCACCAGACGTCTCCCCCTGAACCCCCTGCCATTGTCCTGTCTGCCTCCCTAGATCGGAAGAGCGGTTCAG
chr17	48271660	48271699	COL1A1_1533	-	GTGACCTATGCACCAGACGTAGGCTTTCAGCCTGGCTTGGCCAGGCCCTGACCATCCCGTAGATCGGAAGAGCGGTTCAG
chr17	48271884	48271923	COL1A1_1534	-	GTGACCTATGCACCAGACGTCTTGCGGCCGGGGGGCTGACCCTGCCGCTCCCTGGGCATCAGATCGGAAGAGCGGTTCAG
chr17	48272032	48272071	COL1A1_1535	-	GTGACCTATGCACCAGACGTCTGCCCGCCCCCTCCCGCTCCACCCTCATTGCCTGGCTGGAGATCGGAAGAGCGGTTCAG
chr17	48272358	48272397	COL1A1_1536	-	GTGACCTATGCACCAGACGTCCGCCATCCTTCTTGCAGCCCAGCCCACCCTGCCCTAGGAAGATCGGAAGAGCGGTTCAG
chr17	48272543	48272582	COL1A1_1537	-	GTGACCTATGCACCAGACGTAACTCTCCCTTCTGCCCACCCCATGCACTGGCTCCAGTGCAGATCGGAAGAGCGGTTCAG
chr17	48272745	48272784	COL1A1_1538	-	GTGACCTATGCACCAGACGTTGCCAGGCTTCAGTCCCACTCCTGCCGCCTGCAGCCTGCCAGATCGGAAGAGCGGTTCAG
chr17	48272878	48272917	COL1A1_1539	-	GTGACCTATGCACCAGACGTCCGACTCAGTGTCCCCTTTGCCACTTTCTAACCTCAGAGTAGATCGGAAGAGCGGTTCAG
chr17	48273234	48273273	COL1A1_1540	-	GTGACCTATGCACCAGACGTCCACTCTCCTCTAAGCATGACCCTCATGGGCCAAGGGGTTAGATCGGAAGAGCGGTTCAG
chr17	48273466	48273505	COL1A1_1541	-	GTGACCTATGCACCAGACGTCCTGTAGGCCTCAGGGCCTGGGAGTGGGGAGGGGTCTCAGAGATCGGAAGAGCGGTTCAG
chr17	48273625	48273664	COL1A1_1542	-	GTGACCTATGCACCAGACGTCTGGCCCCTTGGGGGATCCCTGAGCTCTGGAAGGGGCTCCAGATCGGAAGAGCGGTTCAG
chr17	48273795	48273834	COL1A1_1543	-	GTGACCTATGCACCAGACGTCCAGTTCCAGAGGGCAGGGATGGGGCAGGAGGCAGGGGCAAGATCGGAAGAGCGGTTCAG
chr17	48273928	48273967	COL1A1_1544	-	GTGACCTATGCACCAGACGTGTCTGAACATCATGGTCCTCCACATCCCCAGAGTCCCACCAGATCGGAAGAGCGGTTCAG
chr17	48274321	48274360	COL1A1_1545	-	GTGACCTATGCACCAGACGTTTTGAGTCATTTAAGCTCCCCAAGTCCCTAGCATACCCCCAGATCGGAAGAGCGGTTCAG
chr17	48274491	48274530	COL1A1_1546	-	GTGACCTATGCACCAGACGTGGCTGTGGCTGAACCTGGGCTTCACTGCACTTGGGCTTCAAGATCGGAAGAGCGGTTCAG
chr17	48275043	48275082	COL1A1_1547	-	GTGACCTATGCACCAGACGTCCAGCAAGAAGATACCATCTGACCCCATGGCCTCCATGGGAGATCGGAAGAGCGGTTCAG
chr17	48275260	48275299	COL1A1_1548	-	GTGACCTATGCACCAGACGTTCTATACAGATTCATACTCCTTCTACAAACACACAGACTCAGATCGGAAGAGCGGTTCAG
chr17	48275472	48275511	COL1A1_1549	-	GTGACCTATGCACCAGACGTAGGACGTCTTCATATGCCTCCTTGGGCTTTGGTCTTTTGGAGATCGGAAGAGCGGTTCAG
chr17	48275744	48275783	COL1A1_1550	-	GTGACCTATGCACCAGACGTAGGGGGAGCATGGATGACAGAAGAGAGAATGGGTATCCAGAGATCGGAAGAGCGGTTCAG
chr17	48276537	48276576	COL1A1_1551	-	GTGACCTATGCACCAGACGTAGGCCTTGTGTGTCCACTCTCCCCTGTTTTGTTTTTGTTTAGATCGGAAGAGCGGTTCAG
chr17	48276729	48276768	COL1A1_1552	-	GTGACCTATGCACCAGACGTCACTCTGGGCTGTGGGGGGCTGCAGGTGGGCATGGCTCTCAGATCGGAAGAGCGGTTCAG
chr17	48276867	48276906	COL1A1_1553	-	GTGACCTATGCACCAGACGTGCCCTCGAATTTTGCCCCTGCGCGGCCCGTGACTCCTCACAGATCGGAAGAGCGGTTCAG
chr17	48278722	48278761	COL1A1_1554	-	GTGACCTATGCACCAGACGTAACTTTTGGGAGTGCAAGGATACTCTATATCGCGCCTTGCAGATCGGAAGAGCGGTTCAG
chr3	168802647	168802686	MECOM_1555	-	GTGACCTATGCACCAGACGTGTTGACCAGAGTGGGACCAAGTCCAACAGTAGCATGGCTCAGATCGGAAGAGCGGTTCAG
chr3	168806738	168806777	MECOM_1556	-	GTGACCTATGCACCAGACGTTCCCATAGTACAGCATCATGGTTACATTATGCATGAAACGAGATCGGAAGAGCGGTTCAG
chr3	168807738	168807777	MECOM_1557	-	GTGACCTATGCACCAGACGTTGGGTGACTTTAGAAACTAAGCTAGAGTAGATCCATGTACAGATCGGAAGAGCGGTTCAG
chr3	168810696	168810735	MECOM_1558	-	GTGACCTATGCACCAGACGTCTTTTACTTTTTAAACTCTGTGACGACTGAAATGAACATGAGATCGGAAGAGCGGTTCAG
chr3	168812814	168812853	MECOM_1559	-	GTGACCTATGCACCAGACGTAATTGTGTTATAAGTCAAAGATGACTTCTTTTTCGTGTTTAGATCGGAAGAGCGGTTCAG
chr3	168819798	168819837	MECOM_1560	-	GTGACCTATGCACCAGACGTAGTTAATTATGGCTGACTTTCCAGAAATCTCCCCTCTGATAGATCGGAAGAGCGGTTCAG
chr3	168825664	168825703	MECOM_1561	-	GTGACCTATGCACCAGACGTTACTTATATTTTTGACTAAAGTGATGTAGCATTAAAAAGAAGATCGGAAGAGCGGTTCAG
chr3	168830525	168830564	MECOM_1562	-	GTGACCTATGCACCAGACGTTGGATTTGAGATTTCCAGCTTGTAAACTAACTTGTTGATCAGATCGGAAGAGCGGTTCAG
chr3	168833121	168833160	MECOM_1563	-	GTGACCTATGCACCAGACGTATGGAAGATGACGAAATATGAGCAGATGTATGAAAGGCGGAGATCGGAAGAGCGGTTCAG
chr3	168838794	168838833	MECOM_1564	-	GTGACCTATGCACCAGACGTAACACTCCAGCCCTCCTTCCCACATCTGTCTCTTCCCCAAAGATCGGAAGAGCGGTTCAG
chr3	168840318	168840357	MECOM_1565	-	GTGACCTATGCACCAGACGTTTTGTAGGCTACTTGGCCTCTCTATGTCATCCTGCTCTCTAGATCGGAAGAGCGGTTCAG
chr3	168845582	168845621	MECOM_1566	-	GTGACCTATGCACCAGACGTGCATGTTGTACCATACAACTTGTGTATTTTTTCTGCAATGAGATCGGAAGAGCGGTTCAG

chr3	168849167	168849206	MECOM_1567	-	GTGACCTATGCACCAGACGTCTCACGCCACCCTCCTTATCACCTTATCATCGCGACTATAAGATCGGAAGAGCGGTTCAG
chr3	168833573	168833612	MECOM_1568	-	GTGACCTATGCACCAGACGTACAAAAAAGTTGGAGCTTTACCTTACCCTTCCATGTTTCCAGATCGGAAGAGCGGTTCAG
chr3	168834025	168834064	MECOM_1569	-	GTGACCTATGCACCAGACGTTCAGATACTGCCAGCTACACAGGATATTTTGAAGGCACTAAGATCGGAAGAGCGGTTCAG
chr17	11924154	11924193	MAP2K4_1570	-	GTGACCTATGCACCAGACGTGAAGAGCCGAGCGGCGCCGCGGCGGCTGCAATGCAGCAAGAGATCGGAAGAGCGGTTCAG
chr17	11958156	11958195	MAP2K4_1571	-	GTGACCTATGCACCAGACGTACAAATAAAAAGTAAAAGTTTCAAGTACTACAAAACAGGTAGATCGGAAGAGCGGTTCAG
chr17	11984623	11984662	MAP2K4_1572	-	GTGACCTATGCACCAGACGTATTGGGAAGCAATTTTTCCACATTTTAAATAGGTTTTAACAGATCGGAAGAGCGGTTCAG
chr17	11998842	11998881	MAP2K4_1573	-	GTGACCTATGCACCAGACGTATGACAAAAGATGTCAAAAAAACACAATAATTTTGTCAAAAGATCGGAAGAGCGGTTCAG
chr17	12011057	12011096	MAP2K4_1574	-	GTGACCTATGCACCAGACGTACAAATATCTGTTATTCTTATACATCTTAAATATCACCTTAGATCGGAAGAGCGGTTCAG
chr17	12013642	12013681	MAP2K4_1575	-	GTGACCTATGCACCAGACGTAAAGGAGAGATGGGATAAACAACTTGTTTCTTTTTATTCAAGATCGGAAGAGCGGTTCAG
chr17	12016500	12016539	MAP2K4_1576	-	GTGACCTATGCACCAGACGTTAGATATCATTCAGTATACAATTAGCTTCTTCCTAAGTTAAGATCGGAAGAGCGGTTCAG
chr17	12028561	12028600	MAP2K4_1577	-	GTGACCTATGCACCAGACGTAAGACAAGTGTAAGTTATTAATTGCCTTACACTCAAGGAAAGATCGGAAGAGCGGTTCAG
chr17	12032406	12032445	MAP2K4_1578	-	GTGACCTATGCACCAGACGTCAAAGAGGAAAGAGCAAAATACACCAGGCATCATTTACTAAGATCGGAAGAGCGGTTCAG
chr17	12043106	12043145	MAP2K4_1579	-	GTGACCTATGCACCAGACGTATAAAAATAACATTATTAAAATGTAGATTCATTTGCCTAAAGATCGGAAGAGCGGTTCAG
chr17	12044414	12044453	MAP2K4_1580	-	GTGACCTATGCACCAGACGTATTGAAAACAAAAAAGTCAAAAGTTTGTATGACAGCCCAAAGATCGGAAGAGCGGTTCAG
chr22	39621678	39621717	PDGFB_1581	-	GTGACCTATGCACCAGACGTAGGAGAGTGTGTGGGCAGGTGAGGGCCAGGCGGGGCAACTAGATCGGAAGAGCGGTTCAG
chr22	39626039	39626078	PDGFB_1582	-	GTGACCTATGCACCAGACGTTTCCAGGCTCAGCCCTCAGCCCCCTTCCCCTGCAGCAGCTAGATCGGAAGAGCGGTTCAG
chr22	39627577	39627616	PDGFB_1583	-	GTGACCTATGCACCAGACGTTCCGCGGCCCCCCGAGGCTGGTCCCGGTGGTGGGTGGAGAAGATCGGAAGAGCGGTTCAG
chr22	39629390	39629429	PDGFB_1584	-	GTGACCTATGCACCAGACGTGACACCCAACAAGGGTCCTTCAAATTAGCATGGGGGCCAGAGATCGGAAGAGCGGTTCAG
chr22	39631733	39631772	PDGFB_1585	-	GTGACCTATGCACCAGACGTTCCTCGCCCCGCGCTCCGGCCCTCCGAGGAGACTTTAAGAAGATCGGAAGAGCGGTTCAG
chr22	39636810	39636849	PDGFB_1586	-	GTGACCTATGCACCAGACGTCTCCACGTCTTGTCTTCCCCTCCCCACATTGAGGAGCCTCAGATCGGAAGAGCGGTTCAG
chr22	39639856	39639895	PDGFB_1587	-	GTGACCTATGCACCAGACGTACGGCGGCTGGGGCTGGTTCTTCATTCATTACCTTCGCCCAGATCGGAAGAGCGGTTCAG
chr3	30648326	30648365	TGFBR2_1588	-	GTGACCTATGCACCAGACGTGCTGCTCGTCATAGACCGAGCCCCCAGCGCAGCGGACGGCAGATCGGAAGAGCGGTTCAG
chr3	30686189	30686228	TGFBR2_1589	-	GTGACCTATGCACCAGACGTAGAAAGATATATTAAATGATTATCCAACTGCCAGGCAGCCAGATCGGAAGAGCGGTTCAG
chr3	30691712	30691751	TGFBR2_1590	-	GTGACCTATGCACCAGACGTGAGATTCATTGGAAGCGAGGGGAGAGGGAGAGAGAGAAAGAGATCGGAAGAGCGGTTCAG
chr3	30713080	30713119	TGFBR2_1591	-	GTGACCTATGCACCAGACGTAACAAAACAAGGAGAGAAGGAGTTGGATGTGGTAGGTAAGAGATCGGAAGAGCGGTTCAG
chr3	30715547	30715586	TGFBR2_1592	-	GTGACCTATGCACCAGACGTAACAGACAGTGAGGCCCATCATTTAATTCCAGCTGCCTTTAGATCGGAAGAGCGGTTCAG
chr3	30729826	30729865	TGFBR2_1593	-	GTGACCTATGCACCAGACGTAGCCAGCAAACACAGGGTCACTGAGAATGGCATGTGCAGCAGATCGGAAGAGCGGTTCAG
chr3	30732862	30732901	TGFBR2_1594	-	GTGACCTATGCACCAGACGTAAAGAGATCCAAAGGGCACCATGAGTTGGTGGGCTCCGCGAGATCGGAAGAGCGGTTCAG
chr3	30713480	30713519	TGFBR2_1595	-	GTGACCTATGCACCAGACGTCATAGGGAAAGATCTTGACTGCCACTGTCTCAAACTGCTCAGATCGGAAGAGCGGTTCAG
chr7	98478724	98478763	TRRAP_1596	-	GTGACCTATGCACCAGACGTGGCTGGTTTGCTTCTCAAGAGAAAAGTATCAGGTCCATGAAGATCGGAAGAGCGGTTCAG
chr7	98479548	98479587	TRRAP_1597	-	GTGACCTATGCACCAGACGTCAAAACAAGCATCAGGTAATTGAAATTATGTTAAGGAAATAGATCGGAAGAGCGGTTCAG
chr7	98487908	98487947	TRRAP_1598	-	GTGACCTATGCACCAGACGTAAAAATAAAAGACCCCATTCAGTTATGTGTATGTATTTTCAGATCGGAAGAGCGGTTCAG
chr7	98489997	98490036	TRRAP_1599	-	GTGACCTATGCACCAGACGTAAAATAAATAAATGTAAGGATAAAAATACTTCCAAGGGTTAGATCGGAAGAGCGGTTCAG
chr7	98491371	98491410	TRRAP_1600	-	GTGACCTATGCACCAGACGTGCATTTAATGAAAGTTATACTTCTGAAGACTCACTTTAAAAGATCGGAAGAGCGGTTCAG
chr7	98493337	98493376	TRRAP_1601	-	GTGACCTATGCACCAGACGTCAGACACTTTCGTTATAGGAAGATATTCATAAACAGAAAAAGATCGGAAGAGCGGTTCAG
chr7	98495314	98495353	TRRAP_1602	-	GTGACCTATGCACCAGACGTGTCATAAAAATATTTTTTCCTAAAGTCAAACCCAATATTCAGATCGGAAGAGCGGTTCAG
chr7	98496995	98497034	TRRAP_1603	-	GTGACCTATGCACCAGACGTGAAATGGGTAGGACCCGGGTTACCATTGTGGCATTTAAAAAGATCGGAAGAGCGGTTCAG
chr7	98497252	98497291	TRRAP_1604	-	GTGACCTATGCACCAGACGTACATACCAGATTTTCATACATTGACACTCTGCTATGGCGAAGATCGGAAGAGCGGTTCAG
chr7	98498197	98498236	TRRAP_1605	-	GTGACCTATGCACCAGACGTAGAGAACAAAAATATTACCTCTCAATTATGAGTGATGTTAAGATCGGAAGAGCGGTTCAG
chr7	98500952	98500991	TRRAP_1606	-	GTGACCTATGCACCAGACGTAGAGTGAGATGACACAGTTACAGGGATAGGAGAGTGTTAAAGATCGGAAGAGCGGTTCAG
chr7	98503750	98503789	TRRAP_1607	-	GTGACCTATGCACCAGACGTAACATCCATTGCACAGATCACTAACAAAACCAATTACACAAGATCGGAAGAGCGGTTCAG
chr7	98506301	98506340	TRRAP_1608	-	GTGACCTATGCACCAGACGTAGACCTCGACTAGTGCTCATTCCCACGTGGCCATGCCTGCAGATCGGAAGAGCGGTTCAG
chr7	98507629	98507668	TRRAP_1609	-	GTGACCTATGCACCAGACGTGAGAAATTCAAGAGGGAAGACAGAATTATTCTTCTTCAACAGATCGGAAGAGCGGTTCAG
chr7	98508083	98508122	TRRAP_1610	-	GTGACCTATGCACCAGACGTGAAAGTATATTAAGTTAACTTGAATAAAACTCACTTTATGAGATCGGAAGAGCGGTTCAG
chr7	98508650	98508689	TRRAP_1611	-	GTGACCTATGCACCAGACGTGGAAAAAAGCCGCCCACAGGCATTAAAACTGAACCTCTCTAGATCGGAAGAGCGGTTCAG
chr7	98509595	98509634	TRRAP_1612	-	GTGACCTATGCACCAGACGTAAGAAACACATGTGAAAAATTAATCCCTTCCCCAAAGCAGAGATCGGAAGAGCGGTTCAG
chr7	98513296	98513335	TRRAP_1613	-	GTGACCTATGCACCAGACGTGAGAAGACGCAGATTAGTGGCATCTAAATGAGGAGGGTCTAGATCGGAAGAGCGGTTCAG
chr7	98514996	98515035	TRRAP_1614	-	GTGACCTATGCACCAGACGTGGGTGCAGCTATCAGAGAGGGAAGACGCTCCCCAGACTCGAGATCGGAAGAGCGGTTCAG
chr7	98519326	98519365	TRRAP_1615	-	GTGACCTATGCACCAGACGTGCGTGCTTTCATTAAGGTCCTCTTAAGGTAATGCCTTCACAGATCGGAAGAGCGGTTCAG
chr7	98522685	98522724	TRRAP_1616	-	GTGACCTATGCACCAGACGTGACACAAAGAAACTACAGTTTGTGCTGAAATTACATGATTAGATCGGAAGAGCGGTTCAG
chr7	98524740	98524779	TRRAP_1617	-	GTGACCTATGCACCAGACGTAAATCAGATCTGGTGTCACGACACCCAACTCCTGAGCTGAAGATCGGAAGAGCGGTTCAG
chr7	98527562	98527601	TRRAP_1618	-	GTGACCTATGCACCAGACGTAGATGGGAAGGCACGTGAGAACAGTCTTGTCCCTCAAACTAGATCGGAAGAGCGGTTCAG
chr7	98528978	98529017	TRRAP_1619	-	GTGACCTATGCACCAGACGTGGGATGTCTTAGAATGAAAGCAGGGCGATGCCACCCACTGAGATCGGAAGAGCGGTTCAG
chr7	98530814	98530853	TRRAP_1620	-	GTGACCTATGCACCAGACGTCAAGGAGGAGGCACCACTCACCAGCTGCCCCTTGAGACACAGATCGGAAGAGCGGTTCAG
chr7	98533152	98533191	TRRAP_1621	-	GTGACCTATGCACCAGACGTTAAAACAATTTCATTTAGCCCACTCTTCCTGTGAAGACATAGATCGGAAGAGCGGTTCAG
chr7	98534729	98534768	TRRAP_1622	-	GTGACCTATGCACCAGACGTAGAAATCAAGACAATTCCATTATTAACTGGAAAGATGCCCAGATCGGAAGAGCGGTTCAG
chr7	98535223	98535262	TRRAP_1623	-	GTGACCTATGCACCAGACGTAGAAAAGTTGTAAAGAAAAATAGACAACTGAGGACACTTCAGATCGGAAGAGCGGTTCAG
chr7	98540522	98540561	TRRAP_1624	-	GTGACCTATGCACCAGACGTAACACATCCTGAGACACAACTTCACAGTAGGTGCATTCCAAGATCGGAAGAGCGGTTCAG

chr7	98545794	98545833	TRRAP_1625	-	GTGACCTATGCACCAGACGTAAACCAGAAATTATAAACAGGTCGATTAATTTTGCAAGTGAGATCGGAAGAGCGGTTCAG
chr7	98546139	98546178	TRRAP_1626	-	GTGACCTATGCACCAGACGTTGTGGGAATGCTGCATCTCACAACTTCCTCTTCTCAGAGCAGATCGGAAGAGCGGTTCAG
chr7	98546990	98547029	TRRAP_1627	-	GTGACCTATGCACCAGACGTAACAAATAGAAAAGCCGTTTTAAGCTAATCAAACTCACAGAGATCGGAAGAGCGGTTCAG
chr7	98547233	98547272	TRRAP_1628	-	GTGACCTATGCACCAGACGTAGAGATAATTAGGGAACCGTGTCTCGATTAAACCCCTGGGAGATCGGAAGAGCGGTTCAG
chr7	98547637	98547676	TRRAP_1629	-	GTGACCTATGCACCAGACGTAAAAGAAGAAGACAGGTTAACTTAGAGCAAATTTCATTAAAGATCGGAAGAGCGGTTCAG
chr7	98548449	98548488	TRRAP_1630	-	GTGACCTATGCACCAGACGTAATTTAAATAAAGAAGGAGAAAAACAAAGCCATGCTGTTTAGATCGGAAGAGCGGTTCAG
chr7	98550740	98550779	TRRAP_1631	-	GTGACCTATGCACCAGACGTACAGCAGGAAGGACTCATTTCCAGTTGTGAACTGGGTTACAGATCGGAAGAGCGGTTCAG
chr7	98552671	98552710	TRRAP_1632	-	GTGACCTATGCACCAGACGTGAAGAGACGTTTATGGAGGATGAGAAGGAAGGCTTTAAGAAGATCGGAAGAGCGGTTCAG
chr7	98553719	98553758	TRRAP_1633	-	GTGACCTATGCACCAGACGTAGGGCCAGCATCACGCCGGAACATGGGAGCTTGGTCCCACAGATCGGAAGAGCGGTTCAG
chr7	98553972	98554011	TRRAP_1634	-	GTGACCTATGCACCAGACGTCACAGGCGCTTGGTTTTACTGACTGATTTCTAGGGAGAAGAGATCGGAAGAGCGGTTCAG
chr7	98555554	98555593	TRRAP_1635	-	GTGACCTATGCACCAGACGTACCTCCTTTCAGGCAGGAAGAGAATCGCAACACTAATTTCAGATCGGAAGAGCGGTTCAG
chr7	98556917	98556956	TRRAP_1636	-	GTGACCTATGCACCAGACGTATCCGAGTTACAGCCGGCATTTCACTGCATCCGAGTTTACAGATCGGAAGAGCGGTTCAG
chr7	98558834	98558873	TRRAP_1637	-	GTGACCTATGCACCAGACGTCAACACAGGCCACTCACAGAGGAAACAAACACTCAATGACAGATCGGAAGAGCGGTTCAG
chr7	98559875	98559914	TRRAP_1638	-	GTGACCTATGCACCAGACGTGCAGGGACCCAGGCACTGTGGTTATGGCTCTTGGGCCCACAGATCGGAAGAGCGGTTCAG
chr7	98562202	98562241	TRRAP_1639	-	GTGACCTATGCACCAGACGTGAAATTGCCAAGTGTTTCACAGAAAAGTAACAACCACGAAAGATCGGAAGAGCGGTTCAG
chr7	98563269	98563308	TRRAP_1640	-	GTGACCTATGCACCAGACGTCAATTAAGAACAAACCCACGGGTCTCTAAACGTTGATTTAAGATCGGAAGAGCGGTTCAG
chr7	98564614	98564653	TRRAP_1641	-	GTGACCTATGCACCAGACGTTTTGAGAAAAGACGCAGTTAAAAGTATTTCAACCATCTGCAGATCGGAAGAGCGGTTCAG
chr7	98565058	98565097	TRRAP_1642	-	GTGACCTATGCACCAGACGTAAGTCAGAGACAGGCAAGACGATGGACTCCCCAAGTCATAAGATCGGAAGAGCGGTTCAG
chr7	98567685	98567724	TRRAP_1643	-	GTGACCTATGCACCAGACGTTGCGGAAAGGAGACAGACCCAAGGCATGCGCGTGGCATTCAGATCGGAAGAGCGGTTCAG
chr7	98569372	98569411	TRRAP_1644	-	GTGACCTATGCACCAGACGTAAGCAGCAAGCAAAACCAAAAGGTCAAAGGCTTCAAGAAAAGATCGGAAGAGCGGTTCAG
chr7	98573722	98573761	TRRAP_1645	-	GTGACCTATGCACCAGACGTAAAGACAACAGGCTGAGATGGCCACGGGCTGGGGGTGCCTAGATCGGAAGAGCGGTTCAG
chr7	98574056	98574095	TRRAP_1646	-	GTGACCTATGCACCAGACGTAGCACATGTCATTTAGGCCTTCATTCAAAAATCGGCAAGTAGATCGGAAGAGCGGTTCAG
chr7	98574512	98574551	TRRAP_1647	-	GTGACCTATGCACCAGACGTAAAGTAAGGTTCCTGAGTGCTTGAGACAGAGACTTTTTTTAGATCGGAAGAGCGGTTCAG
chr7	98575784	98575823	TRRAP_1648	-	GTGACCTATGCACCAGACGTTTAATGTTTTTAAATCACTGTTTAACTAGAAACACACCTTAGATCGGAAGAGCGGTTCAG
chr7	98576342	98576381	TRRAP_1649	-	GTGACCTATGCACCAGACGTACAGATCCCAGAGCAAAAGCTCAATCACCAGCACACTCATAGATCGGAAGAGCGGTTCAG
chr7	98579342	98579381	TRRAP_1650	-	GTGACCTATGCACCAGACGTAAGAACGTGACACAGGACGTGAGGGGCCTTCTTTCCCTCAAGATCGGAAGAGCGGTTCAG
chr7	98580837	98580876	TRRAP_1651	-	GTGACCTATGCACCAGACGTCAGCATAAGAGACTCTGCGGTAAATGTCAGTAAAGATCAAAGATCGGAAGAGCGGTTCAG
chr7	98581666	98581705	TRRAP_1652	-	GTGACCTATGCACCAGACGTAAGAAAGGAATCATTAGCCCACACCGATCCTCTTTCAAAGAGATCGGAAGAGCGGTTCAG
chr7	98582517	98582556	TRRAP_1653	-	GTGACCTATGCACCAGACGTAAAATGAGCAGAAAAAAAGTTCTTGAAATTTCTAAACAATAGATCGGAAGAGCGGTTCAG
chr7	98588028	98588067	TRRAP_1654	-	GTGACCTATGCACCAGACGTAGGAGAAATTCTAGAGTAGAATGACAATTCTGAAGCCCTCAGATCGGAAGAGCGGTTCAG
chr7	98589710	98589749	TRRAP_1655	-	GTGACCTATGCACCAGACGTACAAGATGTTATAAACAGTGCTGCTCTCTGCTGAGCTCTGAGATCGGAAGAGCGGTTCAG
chr7	98591165	98591204	TRRAP_1656	-	GTGACCTATGCACCAGACGTATGGGACTGGTTACCCACTGAACTTGGCTGCTGCTGTCCAAGATCGGAAGAGCGGTTCAG
chr7	98592160	98592199	TRRAP_1657	-	GTGACCTATGCACCAGACGTAGAGCCAGAGACAACTGACAAACACAGCCCTCCACTCCAGAGATCGGAAGAGCGGTTCAG
chr7	98601763	98601802	TRRAP_1658	-	GTGACCTATGCACCAGACGTAAACATGATTAAAAACGTTTTTAGTCATCTGGGCCAGTTCAGATCGGAAGAGCGGTTCAG
chr7	98602704	98602743	TRRAP_1659	-	GTGACCTATGCACCAGACGTGAGAAGCCATGAGGACATGCCCTGCATCTCTGCTACCAGTAGATCGGAAGAGCGGTTCAG
chr7	98605950	98605989	TRRAP_1660	-	GTGACCTATGCACCAGACGTAGGAAGAGAAACGGGGCAGGCTGAGGGTGACCGCGGGCCAAGATCGGAAGAGCGGTTCAG
chr7	98608625	98608664	TRRAP_1661	-	GTGACCTATGCACCAGACGTGCGCTCCGTGACACTCCCATCTCACTCACTGATTTTTTTTAGATCGGAAGAGCGGTTCAG
chr7	98608914	98608953	TRRAP_1662	-	GTGACCTATGCACCAGACGTGAAGGAGACACTTTAGGAACTTCAGCAGAAAGGCGATGTCAGATCGGAAGAGCGGTTCAG
chr7	98609644	98609683	TRRAP_1663	-	GTGACCTATGCACCAGACGTGAGAGAACGAGACGACTTGTGTTTAACCAAGAACAGCCCAAGATCGGAAGAGCGGTTCAG
chr4	110834442	110834481	EGF_1664	-	GTGACCTATGCACCAGACGTAGTTTGAACTTTCAAAAGAAAACAGCTTGATTTTGCTGGAAGATCGGAAGAGCGGTTCAG
chr4	110862052	110862091	EGF_1665	-	GTGACCTATGCACCAGACGTAGAAAGAGACCAAACTGTATACTTTTAATATTTTATCTCAAGATCGGAAGAGCGGTTCAG
chr4	110864360	110864399	EGF_1666	-	GTGACCTATGCACCAGACGTAAATTTTAAAATTGTTATTAATACTTCCCCCATTCACAACAGATCGGAAGAGCGGTTCAG
chr4	110864948	110864987	EGF_1667	-	GTGACCTATGCACCAGACGTACACATTACATAGACCCAAAAATGAATGTATAGTGCCTTAAGATCGGAAGAGCGGTTCAG
chr4	110866179	110866218	EGF_1668	-	GTGACCTATGCACCAGACGTACCACAAAAGAAAAAAGAACAACAGAACATTTGTTCCTTGAGATCGGAAGAGCGGTTCAG
chr4	110880418	110880457	EGF_1669	-	GTGACCTATGCACCAGACGTAGATGCTTTATTTGGAGTGGGGCCGTGTTTTGACAGAGGAAGATCGGAAGAGCGGTTCAG
chr4	110881973	110882012	EGF_1670	-	GTGACCTATGCACCAGACGTACAACAGCACAATACATTCAAATGGCTATTTTTGAAAATAAGATCGGAAGAGCGGTTCAG
chr4	110882969	110883008	EGF_1671	-	GTGACCTATGCACCAGACGTAAGAACAAGGTCAAGATTAGTGTTAAATCGGGTTTGCAAAAGATCGGAAGAGCGGTTCAG
chr4	110884279	110884318	EGF_1672	-	GTGACCTATGCACCAGACGTAATTGCTTAGTAATGATGCTACGTCATCCAAAATATAATTAGATCGGAAGAGCGGTTCAG
chr4	110885507	110885546	EGF_1673	-	GTGACCTATGCACCAGACGTAATTTCAAATATGGCTGAATTTAAAACGTGCCTTAGAAACAGATCGGAAGAGCGGTTCAG
chr4	110890077	110890116	EGF_1674	-	GTGACCTATGCACCAGACGTGAACACAGGCATTTCTGATTTTTTTTTAAAACTAATGTGGAGATCGGAAGAGCGGTTCAG
chr4	110895809	110895848	EGF_1675	-	GTGACCTATGCACCAGACGTTGCAAAATAAGGGAGTTTGTTATAACACCTTTACTTTTCAAGATCGGAAGAGCGGTTCAG
chr4	110897118	110897157	EGF_1676	-	GTGACCTATGCACCAGACGTGAAAGCACACAACAAATAATATCTGCATGAAATAAATTATAGATCGGAAGAGCGGTTCAG
chr4	110901078	110901117	EGF_1677	-	GTGACCTATGCACCAGACGTTTCAAGTTTGTTAAATACACCTTCTTTGTCTTTGCAATGAAGATCGGAAGAGCGGTTCAG
chr4	110901932	110901971	EGF_1678	-	GTGACCTATGCACCAGACGTAAAGAAACAAATTCACAAGTGGGTTTGAAGATGAAAAGGAAGATCGGAAGAGCGGTTCAG
chr4	110904528	110904567	EGF_1679	-	GTGACCTATGCACCAGACGTTCAATAGATGCAATTAAATTTAGCTTTTCTGTTTCAAAAAAGATCGGAAGAGCGGTTCAG
chr4	110908850	110908889	EGF_1680	-	GTGACCTATGCACCAGACGTCAAGAATCCCGTGCAGTTATTTCTAGACCTTAGAGAAGAAAGATCGGAAGAGCGGTTCAG
chr4	110909690	110909729	EGF_1681	-	GTGACCTATGCACCAGACGTAATTATGAACTAGTGCAATATTTAGGCAATCCTGATATAAAGATCGGAAGAGCGGTTCAG
chr4	110914353	110914392	EGF_1682	-	GTGACCTATGCACCAGACGTAGACAGAGTACGGGAGAGAAAAGTGGGGTACAGAAAAAGAAGATCGGAAGAGCGGTTCAG

chr4	110915839	110915878	EGF_1683	-	GTGACCTATGCACCAGACGTCCAAGACATTACTTTTACTTTCTGAATGGATTAGTGTCTTAGATCGGAAGAGCGGTTCAG
chr4	110920785	110920824	EGF_1684	-	GTGACCTATGCACCAGACGTACACAAACAGAGGTCATCAGAGATGCCTGGCCAAAAACGCAGATCGGAAGAGCGGTTCAG
chr4	110925611	110925650	EGF_1685	-	GTGACCTATGCACCAGACGTGCCAAAATTTGAGACAATCTCACAACAAAACAAAATACTCAGATCGGAAGAGCGGTTCAG
chr4	110929258	110929297	EGF_1686	-	GTGACCTATGCACCAGACGTCAAAAAGGAGGGAGAGAGGATATTGTTAAAATTCACAAATAGATCGGAAGAGCGGTTCAG
chr4	110932308	110932347	EGF_1687	-	GTGACCTATGCACCAGACGTGACAAAAGAAATTTCAATATTCATATCATTAACAATAGATAGATCGGAAGAGCGGTTCAG
chr13	28578139	28578178	FLT3_1688	-	GTGACCTATGCACCAGACGTTAGTTTTAAGGACTTCATCCCTCCACCTATCCCTAACAGGAGATCGGAAGAGCGGTTCAG
chr13	28588539	28588578	FLT3_1689	-	GTGACCTATGCACCAGACGTGCCAGGACTTTATAAAGCTTTACAAAGGAAATTGGTAAATAGATCGGAAGAGCGGTTCAG
chr13	28589244	28589283	FLT3_1690	-	GTGACCTATGCACCAGACGTGTCAGACTGTAATTTGGTTGAAATCAGAAAGGTACAGTCTAGATCGGAAGAGCGGTTCAG
chr13	28589677	28589716	FLT3_1691	-	GTGACCTATGCACCAGACGTCAGCTGCTGGCCTCCCTTGGCTCCTGGCTTTGCATCCTCTAGATCGGAAGAGCGGTTCAG
chr13	28592554	28592593	FLT3_1692	-	GTGACCTATGCACCAGACGTTATTTCCTACTTATTTTTATACGGCTATTTTGTGTTGTGTAGATCGGAAGAGCGGTTCAG
chr13	28597437	28597476	FLT3_1693	-	GTGACCTATGCACCAGACGTTTTAAAGAAAAAACAAACCAAAAAAAAGATTTGAAAAGATAGATCGGAAGAGCGGTTCAG
chr13	28598948	28598987	FLT3_1694	-	GTGACCTATGCACCAGACGTATTCTAAGTAGTAGCACTTTAAAATGGAAATGAATGCAAAAGATCGGAAGAGCGGTTCAG
chr13	28601175	28601214	FLT3_1695	-	GTGACCTATGCACCAGACGTGGGTCAGGGTTTCGTAATTACACATCATAGAACGTAGGCAAGATCGGAAGAGCGGTTCAG
chr13	28602265	28602304	FLT3_1696	-	GTGACCTATGCACCAGACGTTCCACGAAAATCACCTCATCAAAAAGACTGTAGCTTGATGAGATCGGAAGAGCGGTTCAG
chr13	28607974	28608013	FLT3_1697	-	GTGACCTATGCACCAGACGTGTGGAAGGACAGCAACAAAGATGCACAAAAATGGGAGGCAAGATCGGAAGAGCGGTTCAG
chr13	28608169	28608208	FLT3_1698	-	GTGACCTATGCACCAGACGTAATGTGCCAAATGTTTCTGCAGCATTTCTTTTCCATTGGAAGATCGGAAGAGCGGTTCAG
chr13	28608388	28608427	FLT3_1699	-	GTGACCTATGCACCAGACGTAGGTAAAAATTCATTATTCTTTCCTCTATCTGCAGAACTGAGATCGGAAGAGCGGTTCAG
chr13	28609582	28609621	FLT3_1700	-	GTGACCTATGCACCAGACGTTGTTCTTGTGATATTCCACCATCAGGAATTCCCCACTAGAAGATCGGAAGAGCGGTTCAG
chr13	28610022	28610061	FLT3_1701	-	GTGACCTATGCACCAGACGTCATTGATGCCTCTTATAATGGAAGAACATAAAACTCTCTGAGATCGGAAGAGCGGTTCAG
chr13	28611272	28611311	FLT3_1702	-	GTGACCTATGCACCAGACGTTTGCCGAGAATTTGATTTTTATTTTTTAATTCCTTAATTTAGATCGGAAGAGCGGTTCAG
chr13	28622362	28622401	FLT3_1703	-	GTGACCTATGCACCAGACGTAAAGGACTCTAAGATACCATTTTTAGCATAATTCTCCTTGAGATCGGAAGAGCGGTTCAG
chr13	28623471	28623510	FLT3_1704	-	GTGACCTATGCACCAGACGTCTGCTCACACAATCTTTATTCCTATTTTTAGTCGCTGTAGAGATCGGAAGAGCGGTTCAG
chr13	28623722	28623761	FLT3_1705	-	GTGACCTATGCACCAGACGTAAGTTTGTATTCTGAAAATGCAGGAACAATTAACTAATAGAGATCGGAAGAGCGGTTCAG
chr13	28624182	28624221	FLT3_1706	-	GTGACCTATGCACCAGACGTAATATCATGCACTTTCATTTTCAGTGACCGGTTCTTAGCAAGATCGGAAGAGCGGTTCAG
chr13	28626632	28626671	FLT3_1707	-	GTGACCTATGCACCAGACGTTCCATGGTAGCTGCTATTCTCATAATTTCCTTTTGGCCTTAGATCGGAAGAGCGGTTCAG
chr13	28631434	28631473	FLT3_1708	-	GTGACCTATGCACCAGACGTCCTGCTACTAGTATTCCAGCCTGGAATACCACAATATTTCAGATCGGAAGAGCGGTTCAG
chr13	28635954	28635993	FLT3_1709	-	GTGACCTATGCACCAGACGTGAATACCTTCTTGACATAAAATGTGGTTCATTTGGAATTTAGATCGGAAGAGCGGTTCAG
chr13	28644578	28644617	FLT3_1710	-	GTGACCTATGCACCAGACGTATTAAAATTATACCTTTAGCTGTTTTTCTCTAGAGAACGTAGATCGGAAGAGCGGTTCAG
chr13	28674555	28674594	FLT3_1711	-	GTGACCTATGCACCAGACGTGCTCGCTCGCTCGCAGCCCCTCGCGGTCCCTCAGCCCCCAAGATCGGAAGAGCGGTTCAG
chr17	73316399	73316438	GRB2_1712	-	GTGACCTATGCACCAGACGTGCAATTATTTAAAGAAAGTGAAAAATGTAAAACACATACAAGATCGGAAGAGCGGTTCAG
chr17	73317690	73317729	GRB2_1713	-	GTGACCTATGCACCAGACGTTCAGGGTGAGATGGGATCATTTTTAGTTAAGAATAGCTCCAGATCGGAAGAGCGGTTCAG
chr17	73321929	73321968	GRB2_1714	-	GTGACCTATGCACCAGACGTCCTGCTGCAGTTGCCTGGAATCCTGTCTCTGACTGATCCAAGATCGGAAGAGCGGTTCAG
chr17	73328731	73328770	GRB2_1715	-	GTGACCTATGCACCAGACGTCTCCATTAGTCTTGGAAGGGTTGGACCCACCTCCTTGTTTAGATCGGAAGAGCGGTTCAG
chr17	73389582	73389621	GRB2_1716	-	GTGACCTATGCACCAGACGTATGCCGAGCACAATGCTGAGATCGCTCTCCCTGTGCTCACAGATCGGAAGAGCGGTTCAG
chr17	26084222	26084261	NOS2_1717	-	GTGACCTATGCACCAGACGTGAGGGGTTAAAGCTGCCGGCACAGAACTTAAGGATGGAGCAGATCGGAAGAGCGGTTCAG
chr17	26085857	26085896	NOS2_1718	-	GTGACCTATGCACCAGACGTGGGTGTGTGGGCTGAAGGTGCCGGCCAAGGGCACAGGCCGAGATCGGAAGAGCGGTTCAG
chr17	26087006	26087045	NOS2_1719	-	GTGACCTATGCACCAGACGTCCTCAAAGCAGGTGAAGCATTACACACACAAGCTCCACTGAGATCGGAAGAGCGGTTCAG
chr17	26087599	26087638	NOS2_1720	-	GTGACCTATGCACCAGACGTAGGCTTCCCAGGTGGGAGGGGCACCAGGGGGCCAGCGCCTAGATCGGAAGAGCGGTTCAG
chr17	26088120	26088159	NOS2_1721	-	GTGACCTATGCACCAGACGTCTTCCACTCTGTCCCCTGTGGGGCCGCCGACCCCTGGGAGAGATCGGAAGAGCGGTTCAG
chr17	26089774	26089813	NOS2_1722	-	GTGACCTATGCACCAGACGTGGCAGAGGCTCTGGAACAGCCCCGCTCCGCCCATTATTGGAGATCGGAAGAGCGGTTCAG
chr17	26090957	26090996	NOS2_1723	-	GTGACCTATGCACCAGACGTGGGCTGGTGGGCAGTGGGGGTATGTGGGGGGTCCCAGCATAGATCGGAAGAGCGGTTCAG
chr17	26092511	26092550	NOS2_1724	-	GTGACCTATGCACCAGACGTGGCTAGAAAGCCAGTGCTGCCTGGCACCCTCTGGCCGCCCAGATCGGAAGAGCGGTTCAG
chr17	26093486	26093525	NOS2_1725	-	GTGACCTATGCACCAGACGTGTGCAGGGCTTCGTGGGTGATACTCTGTCGATTTTATTTTAGATCGGAAGAGCGGTTCAG
chr17	26094681	26094720	NOS2_1726	-	GTGACCTATGCACCAGACGTCTCTGCAGCACATGGGGCTTGTTTGTGTTGGGGTCTGAGCAGATCGGAAGAGCGGTTCAG
chr17	26095953	26095992	NOS2_1727	-	GTGACCTATGCACCAGACGTAGCCAGAGCTGCCCCACAGCAGGGACATGACAGGGTGCATAGATCGGAAGAGCGGTTCAG
chr17	26096511	26096550	NOS2_1728	-	GTGACCTATGCACCAGACGTTTCCGTTGTCCTACTCCTAGCCCTGCCCTGTGGACCCAAAAGATCGGAAGAGCGGTTCAG
chr17	26097889	26097928	NOS2_1729	-	GTGACCTATGCACCAGACGTTGAGGTCTGGCTGGTCTAGGGGGTGGTAGGGCACGGGAGGAGATCGGAAGAGCGGTTCAG
chr17	26099284	26099323	NOS2_1730	-	GTGACCTATGCACCAGACGTAGTGGGATGGCTGTTGTTTTTTCTGCTTGTGTGCAGGGGAAGATCGGAAGAGCGGTTCAG
chr17	26100137	26100176	NOS2_1731	-	GTGACCTATGCACCAGACGTGTGGCAGTGGCTAGTAGTGATGTGTGAACTATATCTCTCCAGATCGGAAGAGCGGTTCAG
chr17	26101233	26101272	NOS2_1732	-	GTGACCTATGCACCAGACGTTTCCTCTTCTCTCCTTCCTGGGGGCTCAGATGTGGCTGTAAGATCGGAAGAGCGGTTCAG
chr17	26105666	26105705	NOS2_1733	-	GTGACCTATGCACCAGACGTAGTTTTGTGAGTCTGAAGACTTTTTGGTGAGAAGCTTAACAGATCGGAAGAGCGGTTCAG
chr17	26105858	26105897	NOS2_1734	-	GTGACCTATGCACCAGACGTCAGCCCAGCTGGCCAGATGAAGGTGTGGGCCTGGGGGTGGAGATCGGAAGAGCGGTTCAG
chr17	26107743	26107782	NOS2_1735	-	GTGACCTATGCACCAGACGTTGAGGGTGCTGGGGGCAAGGGCGAGTCAACACACAGCCCTAGATCGGAAGAGCGGTTCAG
chr17	26108012	26108051	NOS2_1736	-	GTGACCTATGCACCAGACGTCAGCCTCAGCCACCGGCCATTGGGGCGGGGAGCCCCGTGGAGATCGGAAGAGCGGTTCAG
chr17	26108991	26109030	NOS2_1737	-	GTGACCTATGCACCAGACGTATTTCCCAGGGCTGCAGAGGGGCTTGCCTTGCCTGAGAATAGATCGGAAGAGCGGTTCAG
chr17	26109920	26109959	NOS2_1738	-	GTGACCTATGCACCAGACGTTTAGACTTGAGCGGGAGAGAGCTGGAGGCGGCCAGGCCCTAGATCGGAAGAGCGGTTCAG
chr17	26114654	26114693	NOS2_1739	-	GTGACCTATGCACCAGACGTCCTCCTGCAGGGTCGCTGCCTCCTGCCCTTCCTCCTGCTCAGATCGGAAGAGCGGTTCAG
chr17	26115785	26115824	NOS2_1740	-	GTGACCTATGCACCAGACGTGGCTTCAGGGAGAACCACCTTTGTCCCAAGCTGGTGAAGCAGATCGGAAGAGCGGTTCAG

chr17	26116580	26116619	NOS2_1741	-	GTGACCTATGCACCAGACGTCACATGGGTGTGGGAAGCCCCTTCCTCCCTGGTCCAGGCAAGATCGGAAGAGCGGTTCAG
chr17	26125676	26125715	NOS2_1742	-	GTGACCTATGCACCAGACGTCCTGGGGGAACCTCCTGCTTGTCTCCTTGGGCACCCATGCAGATCGGAAGAGCGGTTCAG
chr15	40453372	40453411	BUB1B_1743	-	GTGACCTATGCACCAGACGTTGGCTCAGGTCCTCGTCCTGCTGCAGGCCTTTCCTCTGGGAGATCGGAAGAGCGGTTCAG
chr15	40457204	40457243	BUB1B_1744	-	GTGACCTATGCACCAGACGTGGAAACAAATGTAAATCTCATACCAACATTGACTATTATAAGATCGGAAGAGCGGTTCAG
chr15	40462213	40462252	BUB1B_1745	-	GTGACCTATGCACCAGACGTAACAGAAAAAGTTAGCATATGCAATAGTGACAACAGCCAAAGATCGGAAGAGCGGTTCAG
chr15	40462688	40462727	BUB1B_1746	-	GTGACCTATGCACCAGACGTGGAAAAAGATAAGAACACATTTTAAATTGAACATGTACTTAGATCGGAAGAGCGGTTCAG
chr15	40468628	40468667	BUB1B_1747	-	GTGACCTATGCACCAGACGTAGTGTTAACAGTTAACCAATTTCTACTCACGTATTGAATGAGATCGGAAGAGCGGTTCAG
chr15	40475865	40475904	BUB1B_1748	-	GTGACCTATGCACCAGACGTAGAATGCACAACTTTTAGTGAGGTGACCACTATTTTACCAAGATCGGAAGAGCGGTTCAG
chr15	40477316	40477355	BUB1B_1749	-	GTGACCTATGCACCAGACGTAAATATTAAAACCTCATGTAAAATGTTTCATTATTAACTTAGATCGGAAGAGCGGTTCAG
chr15	40477702	40477741	BUB1B_1750	-	GTGACCTATGCACCAGACGTAGAAGAAAACTAAAATTACCATAGTTTTATGTTCTCAGACAGATCGGAAGAGCGGTTCAG
chr15	40488696	40488735	BUB1B_1751	-	GTGACCTATGCACCAGACGTAAAATTACTATTATTCATATGGGTCAAAATAAAAAAAATCAGATCGGAAGAGCGGTTCAG
chr15	40491766	40491805	BUB1B_1752	-	GTGACCTATGCACCAGACGTTAAAGTTGCTTGAGGTATTATTCCTCATAGTAACTCATTCAGATCGGAAGAGCGGTTCAG
chr15	40492395	40492434	BUB1B_1753	-	GTGACCTATGCACCAGACGTTAAATAAACAAAATCAATGTCCCTCCCATCCAGAAAATGCAGATCGGAAGAGCGGTTCAG
chr15	40493082	40493121	BUB1B_1754	-	GTGACCTATGCACCAGACGTACTTGTTTTAAATCATGTGCTCAATACCCACAGAAAGAACAGATCGGAAGAGCGGTTCAG
chr15	40494556	40494595	BUB1B_1755	-	GTGACCTATGCACCAGACGTAGAGACTAGATACATACTCTAGGAGTAAATGCTTTACTCTAGATCGGAAGAGCGGTTCAG
chr15	40494740	40494779	BUB1B_1756	-	GTGACCTATGCACCAGACGTACATACCTCACTTAGCAATTTTTTTCATAACAGTAACCCCAGATCGGAAGAGCGGTTCAG
chr15	40498335	40498374	BUB1B_1757	-	GTGACCTATGCACCAGACGTGACCATATAAAGTTTAGCTAAAATATTTCAATACATGAAGAGATCGGAAGAGCGGTTCAG
chr15	40500788	40500827	BUB1B_1758	-	GTGACCTATGCACCAGACGTCAAAAATAAGTTAATTCTTATAGGAATAATATATATCAACAGATCGGAAGAGCGGTTCAG
chr15	40501786	40501825	BUB1B_1759	-	GTGACCTATGCACCAGACGTGAGGGAAAGGTGAAAATATATCACCAAAAAAACCCTAATGAGATCGGAAGAGCGGTTCAG
chr15	40502261	40502300	BUB1B_1760	-	GTGACCTATGCACCAGACGTAGTTTGATTCCATTTAAAAATCACTGTGAACATATACAGCAGATCGGAAGAGCGGTTCAG
chr15	40505483	40505522	BUB1B_1761	-	GTGACCTATGCACCAGACGTAAGGACAGAAAACTCACTATTTCTCAAGTTTGGCAGATCGAGATCGGAAGAGCGGTTCAG
chr15	40509647	40509686	BUB1B_1762	-	GTGACCTATGCACCAGACGTATTTAAGAGAAGGAGATAATAAAAATAGGCCATGAAAGAAAGATCGGAAGAGCGGTTCAG
chr15	40510607	40510646	BUB1B_1763	-	GTGACCTATGCACCAGACGTAAAAAGCACCATCAGCTAAAATAATTCTCTGCCTCTACCAAGATCGGAAGAGCGGTTCAG
chr15	40512715	40512754	BUB1B_1764	-	GTGACCTATGCACCAGACGTATAAAACCATTTCCATCAAGATTAGGCATATGAAAATTATAGATCGGAAGAGCGGTTCAG
chr12	12870724	12870763	CDKN1B_1765	-	GTGACCTATGCACCAGACGTGGTCTGCACGACCGCCTCTCTCGCACTCTCAAAAAAACAAAGATCGGAAGAGCGGTTCAG
chr12	12871709	12871748	CDKN1B_1766	-	GTGACCTATGCACCAGACGTGGGAAATTTTTAAAAAGAACACACAATCTTTATTAGAAAAAGATCGGAAGAGCGGTTCAG
chr1	68512241	68512280	DIRAS3_1767	-	GTGACCTATGCACCAGACGTTTAAGAGCCAGCTCTTCCTATCCTGTAGCGTGTAGAAAACAGATCGGAAGAGCGGTTCAG
chr1	68512586	68512625	DIRAS3_1768	-	GTGACCTATGCACCAGACGTCCAAGAAGGAAACCCTGGAAGAGCTGAAGGCCTTCTATGAAGATCGGAAGAGCGGTTCAG
chr19	2180662	2180701	DOT1L_1769	-	GTGACCTATGCACCAGACGTGAGAGAAGTTTGAGACGCAGAGCCATCCTCCACCCCGTGAAGATCGGAAGAGCGGTTCAG
chr19	2189681	2189720	DOT1L_1770	-	GTGACCTATGCACCAGACGTCAAGGGAAGGCCCTGGTCATGCGGGCAGGAGCCAGCCGCAAGATCGGAAGAGCGGTTCAG
chr19	2190961	2191000	DOT1L_1771	-	GTGACCTATGCACCAGACGTAGGGTGGCCCGGCCATGTCACATAAACCTCACGGCCCAGCAGATCGGAAGAGCGGTTCAG
chr19	2193638	2193677	DOT1L_1772	-	GTGACCTATGCACCAGACGTAGAGATCCATCAGATACCACACAGCGCTCAGATGCCACCCAGATCGGAAGAGCGGTTCAG
chr19	2199833	2199872	DOT1L_1773	-	GTGACCTATGCACCAGACGTAAACAGGTGTGAGCGCGGACCCCCGGCCTCCCTGGCACTCAGATCGGAAGAGCGGTTCAG
chr19	2202649	2202688	DOT1L_1774	-	GTGACCTATGCACCAGACGTATACTCCAGTTCAGTGCCATGAAGGCTCGTCTCACGGGCAAGATCGGAAGAGCGGTTCAG
chr19	2206678	2206717	DOT1L_1775	-	GTGACCTATGCACCAGACGTGACACTGCTTACTGCCACACAGGAGAGAGGAAACAGAAGAAGATCGGAAGAGCGGTTCAG
chr19	2207523	2207562	DOT1L_1776	-	GTGACCTATGCACCAGACGTCACAGGTGAGGCCGGGGCCTGCGCCTGCCCACAGCCCCTCAGATCGGAAGAGCGGTTCAG
chr19	2208884	2208923	DOT1L_1777	-	GTGACCTATGCACCAGACGTGAAAGAGAACCCTGATTAGAAGGGAGTCCCAATCTCTGTTAGATCGGAAGAGCGGTTCAG
chr19	2210349	2210388	DOT1L_1778	-	GTGACCTATGCACCAGACGTAGCAGGTTGAGCCACAGGAAGCCCCAGCGCTGCCCACGGCAGATCGGAAGAGCGGTTCAG
chr19	2210570	2210609	DOT1L_1779	-	GTGACCTATGCACCAGACGTCAAGGGAAGAACAGGGATGGGCACAGAGCCTCCCACCCATAGATCGGAAGAGCGGTTCAG
chr19	2211048	2211087	DOT1L_1780	-	GTGACCTATGCACCAGACGTGGAGGGCAGGCGTCAGCACAGGGCGGGTCGGGAGAGCGGTAGATCGGAAGAGCGGTTCAG
chr19	2211700	2211739	DOT1L_1781	-	GTGACCTATGCACCAGACGTAGGCGGAACACAGGTGAGAAGAGAGCAGCTGAGACTGAGAAGATCGGAAGAGCGGTTCAG
chr19	2213488	2213527	DOT1L_1782	-	GTGACCTATGCACCAGACGTAACAGGGCAGGTGACTAAGGGCCAGGGCAGGTGACTGAGGAGATCGGAAGAGCGGTTCAG
chr19	2213798	2213837	DOT1L_1783	-	GTGACCTATGCACCAGACGTGGGGCGGGGGAGAGGTCATGCTGGTGGCCTCCAAGGTGAAAGATCGGAAGAGCGGTTCAG
chr19	2214420	2214459	DOT1L_1784	-	GTGACCTATGCACCAGACGTAGGGATGGGACAGTTGCGACTGGCTGGCTGCCTGCCCAGCAGATCGGAAGAGCGGTTCAG
chr19	2216230	2216269	DOT1L_1785	-	GTGACCTATGCACCAGACGTAGAGATGGTGTCAGGCCCGCCCCACCGGGGGACCACTCCAAGATCGGAAGAGCGGTTCAG
chr19	2216904	2216943	DOT1L_1786	-	GTGACCTATGCACCAGACGTAAGCTGCAGTCACTCTCGAGGGCCGTGGGCTGGCACTCAGAGATCGGAAGAGCGGTTCAG
chr19	2217721	2217760	DOT1L_1787	-	GTGACCTATGCACCAGACGTAGGCCCGACCCCCAGTCGTGGGTCAACAAACCCCTCCAGGAGATCGGAAGAGCGGTTCAG
chr19	2220057	2220096	DOT1L_1788	-	GTGACCTATGCACCAGACGTAAAACCCTGTGTGTCAGGGGCAGCAGGTGCCCCAGGAGACAGATCGGAAGAGCGGTTCAG
chr19	2221925	2221964	DOT1L_1789	-	GTGACCTATGCACCAGACGTGGACATGGGGGTCTCAGGGGACACAGGATGGCCAAAGAGAAGATCGGAAGAGCGGTTCAG
chr19	2223230	2223269	DOT1L_1790	-	GTGACCTATGCACCAGACGTACAGACACAATGGATGCACATACCACAGACCCGGGACCCCAGATCGGAAGAGCGGTTCAG
chr19	2225337	2225376	DOT1L_1791	-	GTGACCTATGCACCAGACGTAAAAAGGTCATTAATGCTTGAAACCCAGCTGCATACTAAGAGATCGGAAGAGCGGTTCAG
chr19	2226132	2226171	DOT1L_1792	-	GTGACCTATGCACCAGACGTGGAAAGGCAGAAGCCGTGAGCCCAGAGCACCTGCCCGGGCAGATCGGAAGAGCGGTTCAG
chr19	2229734	2229773	DOT1L_1793	-	GTGACCTATGCACCAGACGTGCACAGCGGGAAGAGCGGCCTGAGGTTACCATCGCGCCTGAGATCGGAAGAGCGGTTCAG
chr19	2222217	2222256	DOT1L_1794	-	GTGACCTATGCACCAGACGTAGGGCAGGTCTCCCTTGCTGGCCTCGGGCAACGGGCCCTGAGATCGGAAGAGCGGTTCAG
chr19	2226604	2226643	DOT1L_1795	-	GTGACCTATGCACCAGACGTCGTCCAGCTGCCTCTTGCTCAGGAAAGGGTTGGCGTCCGAAGATCGGAAGAGCGGTTCAG
chr3	134514424	134514463	EPHB1_1796	-	GTGACCTATGCACCAGACGTCGGCCCGCAGGCCGAGACCAAGCCGAGGCAGCAGCGCCGGAGATCGGAAGAGCGGTTCAG
chr3	134644608	134644647	EPHB1_1797	-	GTGACCTATGCACCAGACGTAAAAGAAAAAACGAATAAACAAAAACAATGAGTCAGAAGGAGATCGGAAGAGCGGTTCAG
chr3	134670163	134670202	EPHB1_1798	-	GTGACCTATGCACCAGACGTCAGGCCACAGGCACACACATGCAAAAACACAAAATAGAGAAGATCGGAAGAGCGGTTCAG

chr3	134825240	134825279	EPHB1_1799	-	GTGACCTATGCACCAGACGTAAGAGACCATGTGATAATTAATGGAAGTGTGGCAGCCAGAAGATCGGAAGAGCGGTTCAG
chr3	134851506	134851545	EPHB1_1800	-	GTGACCTATGCACCAGACGTACAAAGAAGGTCCAGTGAGGCTAGACATAAGCTTCCTTGTAGATCGGAAGAGCGGTTCAG
chr3	134872944	134872983	EPHB1_1801	-	GTGACCTATGCACCAGACGTAGAAAGAAACAGGGTAGCTGAACAGACACTCAATTATAGGAGATCGGAAGAGCGGTTCAG
chr3	134880810	134880849	EPHB1_1802	-	GTGACCTATGCACCAGACGTGCAAGGGAAAGGGTCACTATCCCATTCCTGAAGGCTACACAGATCGGAAGAGCGGTTCAG
chr3	134884760	134884799	EPHB1_1803	-	GTGACCTATGCACCAGACGTAAGAGGCATTAGAATCCTCCCCATGTGCCTTTTGCATACAAGATCGGAAGAGCGGTTCAG
chr3	134885734	134885773	EPHB1_1804	-	GTGACCTATGCACCAGACGTAAAGAGGGGCTCTCTCAGCCACAGGGCACACCCACCAGTCAGATCGGAAGAGCGGTTCAG
chr3	134898652	134898691	EPHB1_1805	-	GTGACCTATGCACCAGACGTGAGATAAGCAGGGTTAACATCCCAAAGAGGACATGGTTGTAGATCGGAAGAGCGGTTCAG
chr3	134911368	134911407	EPHB1_1806	-	GTGACCTATGCACCAGACGTAAAAATGCCATTAATATCCTCTTCCTTCTCAGTCTGTGGAAGATCGGAAGAGCGGTTCAG
chr3	134920266	134920305	EPHB1_1807	-	GTGACCTATGCACCAGACGTACATAGAGGGCATTGGGATCAAGACGGGCTTCAATGGTTAAGATCGGAAGAGCGGTTCAG
chr3	134959940	134959979	EPHB1_1808	-	GTGACCTATGCACCAGACGTGAGAAACCGTGGTCAGCCCAACAATCAGGTTTCTGATTGAAGATCGGAAGAGCGGTTCAG
chr3	134967108	134967147	EPHB1_1809	-	GTGACCTATGCACCAGACGTATACAGGGAACAGGTGTGATTGAGTGACTGCCACCAGCCAAGATCGGAAGAGCGGTTCAG
chr3	134968128	134968167	EPHB1_1810	-	GTGACCTATGCACCAGACGTAGAGATGGGCAGGTGACCACACATTGCAGAGATGCATGGAAGATCGGAAGAGCGGTTCAG
chr3	134977804	134977843	EPHB1_1811	-	GTGACCTATGCACCAGACGTAGAGCCAGAAAAGAAGTCACTTTAGTGTTAGGTTAGCTTTAGATCGGAAGAGCGGTTCAG
chr3	134670504	134670543	EPHB1_1812	-	GTGACCTATGCACCAGACGTCAAAGTCCACCTGGGAGAAGCTCTCATCTGCAGCAATGGTAGATCGGAAGAGCGGTTCAG
chr7	142560936	142560975	EPHB6_1813	-	GTGACCTATGCACCAGACGTCAGGGCGTCCACCATCGCCCCAGCCACCACCCTGCTCCTGAGATCGGAAGAGCGGTTCAG
chr7	142561339	142561378	EPHB6_1814	-	GTGACCTATGCACCAGACGTATAAGAGGGGCACACAGTGGCCAAGCCTCCAGCCAGCACTAGATCGGAAGAGCGGTTCAG
chr7	142561674	142561713	EPHB6_1815	-	GTGACCTATGCACCAGACGTGGCCAGGAGAAGCTTTAGGGGCTCCGGGCTTAAGCAAGGCAGATCGGAAGAGCGGTTCAG
chr7	142563180	142563219	EPHB6_1816	-	GTGACCTATGCACCAGACGTAGAGGAGAGTGGGGGCGTCACACTCGCTCTGTCCACCCACAGATCGGAAGAGCGGTTCAG
chr7	142563665	142563704	EPHB6_1817	-	GTGACCTATGCACCAGACGTGGAGGATATGGCAGTCCAAGGGCCAAGAGGGCAGCAGTGGAGATCGGAAGAGCGGTTCAG
chr7	142564186	142564225	EPHB6_1818	-	GTGACCTATGCACCAGACGTAAAGGAAAATTATTATGGGGATAGGAGTCCCTGGGAGCAGAGATCGGAAGAGCGGTTCAG
chr7	142564611	142564650	EPHB6_1819	-	GTGACCTATGCACCAGACGTCAGCCACTCACTCCCTGCCTGGCCCCCTCTTGCCCCTGCTAGATCGGAAGAGCGGTTCAG
chr7	142565313	142565352	EPHB6_1820	-	GTGACCTATGCACCAGACGTAGCCGACAGGGTCACAGGTGGGCCAGGTCTCTCACAGGTGAGATCGGAAGAGCGGTTCAG
chr7	142565702	142565741	EPHB6_1821	-	GTGACCTATGCACCAGACGTAAACGGTGACTGGGGATGACGCTCCCATTTCCACCCCCTTAGATCGGAAGAGCGGTTCAG
chr7	142565946	142565985	EPHB6_1822	-	GTGACCTATGCACCAGACGTGTGGAGTATGTTATGAGCGTGTTGTGAAAGGCAGGGCTGCAGATCGGAAGAGCGGTTCAG
chr7	142566197	142566236	EPHB6_1823	-	GTGACCTATGCACCAGACGTAGGTGTAGGTTGGGGTGGGGATCAAGGCTCACAGCGTCCTAGATCGGAAGAGCGGTTCAG
chr7	142566677	142566716	EPHB6_1824	-	GTGACCTATGCACCAGACGTGGGGCAGGGGGCAGAGGTCAGTGATCGGAGACGGGGAGACAGATCGGAAGAGCGGTTCAG
chr7	142567917	142567956	EPHB6_1825	-	GTGACCTATGCACCAGACGTGAGGAAGACTATGATGATGGGAAGTTTTGTTAGTAGAGGGAGATCGGAAGAGCGGTTCAG
chr7	142568233	142568272	EPHB6_1826	-	GTGACCTATGCACCAGACGTAGGGGCAAGCAGGGTCAAGGTCTCCTCTTCATCTTAGCCCAGATCGGAAGAGCGGTTCAG
chr7	142568499	142568538	EPHB6_1827	-	GTGACCTATGCACCAGACGTGGGAAGGGATCAAATCTGGGCCAGCTTCTCCGAGATCCCCAGATCGGAAGAGCGGTTCAG
chr20	57415112	57415151	GNAS_1828	-	GTGACCTATGCACCAGACGTACACACCGAGAAGCCGGCCTGCCCTCTGGCTCTGCAGAGAAGATCGGAAGAGCGGTTCAG
chr20	57428271	57428310	GNAS_1829	-	GTGACCTATGCACCAGACGTCGGCCTCTCAAAATAAGTTTGGGGCTCCGTAAGATGGAGCAGATCGGAAGAGCGGTTCAG
chr20	57470617	57470656	GNAS_1830	-	GTGACCTATGCACCAGACGTAAAGTAAGTCTCAGGTTATGAAGGAGGCATTTTAACACTTAGATCGGAAGAGCGGTTCAG
chr20	57473946	57473985	GNAS_1831	-	GTGACCTATGCACCAGACGTGAGATTGAAAGCTCACCTAATCTGCAAGGCACCGCAGTGTAGATCGGAAGAGCGGTTCAG
chr20	57478533	57478572	GNAS_1832	-	GTGACCTATGCACCAGACGTGAAAAGAAAAGAAAATCATATTGCACCATGTCAGTTAGGAAGATCGGAAGAGCGGTTCAG
chr20	57478536	57478575	GNAS_1833	-	GTGACCTATGCACCAGACGTATTGAAAAGAAAAGAAAATCATATTGCACCATGTCAGTTAAGATCGGAAGAGCGGTTCAG
chr20	57478677	57478716	GNAS_1834	-	GTGACCTATGCACCAGACGTTTTAGCAAAGCGGTCAGGGAACAGCACTGGCTGGGAGGGCAGATCGGAAGAGCGGTTCAG
chr20	57480388	57480427	GNAS_1835	-	GTGACCTATGCACCAGACGTACACAAGAAAGTTTAGAGAAAGGCAAGAGCTTGAACTAATAGATCGGAAGAGCGGTTCAG
chr20	57484167	57484206	GNAS_1836	-	GTGACCTATGCACCAGACGTAAGAAAGACACGTGGGGTGTTCACAGCGCTCACATCAATTAGATCGGAAGAGCGGTTCAG
chr20	57484355	57484394	GNAS_1837	-	GTGACCTATGCACCAGACGTATTGAGGTCAATGGATCTCACCAAAGCCAACCGAAACAGTAGATCGGAAGAGCGGTTCAG
chr20	57484526	57484565	GNAS_1838	-	GTGACCTATGCACCAGACGTGGAGGACAGCTGGTTATTCCAGAGGGACTGGGGTGAATGTAGATCGGAAGAGCGGTTCAG
chr20	57484689	57484728	GNAS_1839	-	GTGACCTATGCACCAGACGTGAGAGCAAAGCCAAGAGCGTGAGCAGCGACCCTGATCCCTAGATCGGAAGAGCGGTTCAG
chr20	57484956	57484995	GNAS_1840	-	GTGACCTATGCACCAGACGTGGAGGCCGTGTGAATGCTTGGGAGAAGCGCGCTTTCGGCCAGATCGGAAGAGCGGTTCAG
chr20	57485339	57485378	GNAS_1841	-	GTGACCTATGCACCAGACGTAGGGAATACATATTAATGTAATTTAAAATTCAAGCAGAGCAGATCGGAAGAGCGGTTCAG
chr20	57485688	57485727	GNAS_1842	-	GTGACCTATGCACCAGACGTAAACAAGGGGACTTGTCAGTGACACCCTCGCCAGGAACCAAGATCGGAAGAGCGGTTCAG
chr20	57415481	57415520	GNAS_1843	-	GTGACCTATGCACCAGACGTTCGATTTCGGACTCGGTCTCGCTCTCGGTCTCGTAGTCGAAGATCGGAAGAGCGGTTCAG
chr20	57428684	57428723	GNAS_1844	-	GTGACCTATGCACCAGACGTCGAAGGCCTCAAGGCCTGCATGGACCCCACTGGGGAATCCAGATCGGAAGAGCGGTTCAG
chr20	57429097	57429136	GNAS_1845	-	GTGACCTATGCACCAGACGTCGCGTTCGCGGCGGGAGTGAGGCGGACCGCACTCGAGGCCAGATCGGAAGAGCGGTTCAG
chr20	57429510	57429549	GNAS_1846	-	GTGACCTATGCACCAGACGTTCTTCTGGGGTTGCCCCGGAGTCAGGATCGGCTGGGGCTGAGATCGGAAGAGCGGTTCAG
chr20	57429923	57429962	GNAS_1847	-	GTGACCTATGCACCAGACGTCGCGAGTAGGCCGCGGAGTAGGCGGATCGGCAGCCTGGATAGATCGGAAGAGCGGTTCAG
chr14	62162473	62162512	HIF1A_1848	-	GTGACCTATGCACCAGACGTTCCCCGCGATGTCTTCACGGCGGGCGGCCCCCAGGCTCGCAGATCGGAAGAGCGGTTCAG
chr14	62187050	62187089	HIF1A_1849	-	GTGACCTATGCACCAGACGTACAACAAGAAAAACACGAGATGGAAAGTGTATACAAGTTAAGATCGGAAGAGCGGTTCAG
chr14	62188177	62188216	HIF1A_1850	-	GTGACCTATGCACCAGACGTCACAAGAAGAGGAAAATAATTAGTTAAAAAGTTGTACTTAAGATCGGAAGAGCGGTTCAG
chr14	62188407	62188446	HIF1A_1851	-	GTGACCTATGCACCAGACGTATTTTTAAAAATTAGGGCTAGATCATAAAATCATAAAAACAGATCGGAAGAGCGGTTCAG
chr14	62193374	62193413	HIF1A_1852	-	GTGACCTATGCACCAGACGTCATGAAATAAAGTTTTAAAGCAACTAAATATACAAATTTGAGATCGGAAGAGCGGTTCAG
chr14	62194121	62194160	HIF1A_1853	-	GTGACCTATGCACCAGACGTAGAACAAAGCAGTTAAAAAAAATATTTACAATGCTAGGGAAGATCGGAAGAGCGGTTCAG
chr14	62199086	62199125	HIF1A_1854	-	GTGACCTATGCACCAGACGTAAAATACAAGATTTAAGAAAAAAAAGGGAGACACTGATAAAGATCGGAAGAGCGGTTCAG
chr14	62200806	62200845	HIF1A_1855	-	GTGACCTATGCACCAGACGTAAAGAAAAAGAATCATGCAGAGAAAATATTTTAACTTTGAAGATCGGAAGAGCGGTTCAG
chr14	62203557	62203596	HIF1A_1856	-	GTGACCTATGCACCAGACGTAAGAGAAATTGGTAATTCACAAATGAGCACTTGATACAGTAGATCGGAAGAGCGGTTCAG

chr14	62207173	62207212	HIF1A_1857	-	GTGACCTATGCACCAGACGTAAATATGTTTACTATTTCCTGAAGAAGCTTCCATATACTTAGATCGGAAGAGCGGTTCAG
chr14	62207423	62207462	HIF1A_1858	-	GTGACCTATGCACCAGACGTGCAAATACATGAGTTTTTACAATGGCCACACCTTATAAATAGATCGGAAGAGCGGTTCAG
chr14	62211373	62211412	HIF1A_1859	-	GTGACCTATGCACCAGACGTAAAAATTCTAAATGAAAATATAGCGTTTTTAAAAAAAATAAGATCGGAAGAGCGGTTCAG
chr14	62212359	62212398	HIF1A_1860	-	GTGACCTATGCACCAGACGTTAAAGTTATTTCAAGTTTAGTTTGTTGAATTTTTTTTTTAAGATCGGAAGAGCGGTTCAG
chr11	94153241	94153280	MRE11A_1861	-	GTGACCTATGCACCAGACGTGGCACTGAGAAACATGCAAGATACAGGAAAAATGAAAATGAGATCGGAAGAGCGGTTCAG
chr11	94168948	94168987	MRE11A_1862	-	GTGACCTATGCACCAGACGTTGATTTTCTGCAAAAGAAACATCTGAAAAAAATTAAAAATAGATCGGAAGAGCGGTTCAG
chr11	94170293	94170332	MRE11A_1863	-	GTGACCTATGCACCAGACGTAAGTTTTATGGTTGTGTATTAATAATTTATGTTTTCTGCAAGATCGGAAGAGCGGTTCAG
chr11	94178926	94178965	MRE11A_1864	-	GTGACCTATGCACCAGACGTACTGCAAGTGATTATTTATAAATTCCAACATTAGAAAGACAGATCGGAAGAGCGGTTCAG
chr11	94180335	94180374	MRE11A_1865	-	GTGACCTATGCACCAGACGTAGTTCAGTCCTGTGCACATTCACACTTGGCAGTTGAGTGGAGATCGGAAGAGCGGTTCAG
chr11	94189392	94189431	MRE11A_1866	-	GTGACCTATGCACCAGACGTTGCTGCAAATTCTTGTGTTTATATATCACTTTCTTAAACTAGATCGGAAGAGCGGTTCAG
chr11	94192524	94192563	MRE11A_1867	-	GTGACCTATGCACCAGACGTAATTTGAGTGTCTAGGTCTATTTAAATAGTCTGTCTTTAAAGATCGGAAGAGCGGTTCAG
chr11	94194052	94194091	MRE11A_1868	-	GTGACCTATGCACCAGACGTACAGTTCACATTTTGAATAATGGCTACCTTATAGTAACAGAGATCGGAAGAGCGGTTCAG
chr11	94197229	94197268	MRE11A_1869	-	GTGACCTATGCACCAGACGTTATTTTTATGAGGTAAAAAAATGTTCTTATAGGATTTGTGAGATCGGAAGAGCGGTTCAG
chr11	94200929	94200968	MRE11A_1870	-	GTGACCTATGCACCAGACGTTTTATATAGATTGAATATTATTAATTTTCAAAGCATAGTAAGATCGGAAGAGCGGTTCAG
chr11	94203587	94203626	MRE11A_1871	-	GTGACCTATGCACCAGACGTTTGATAAAGTCAATGAGATCTACTTTAGTTGAAGAATTATAGATCGGAAGAGCGGTTCAG
chr11	94204690	94204729	MRE11A_1872	-	GTGACCTATGCACCAGACGTTATATTTTGAGCCAATTTTTAAGAAATCTTTGCTATAATAAGATCGGAAGAGCGGTTCAG
chr11	94209405	94209444	MRE11A_1873	-	GTGACCTATGCACCAGACGTTCTCTGAAAAAGTTTGAGCCAAGTGCTGAGGCTTCCCAAAAGATCGGAAGAGCGGTTCAG
chr11	94211851	94211890	MRE11A_1874	-	GTGACCTATGCACCAGACGTTTTATTTTACTGTTTATGTCCATGTGTGATTCTTTAAACAAGATCGGAAGAGCGGTTCAG
chr11	94212790	94212829	MRE11A_1875	-	GTGACCTATGCACCAGACGTTTTTCTTAGAGTTTGTTGGAATTTTGGAAATGATCAGTTTAGATCGGAAGAGCGGTTCAG
chr11	94219040	94219079	MRE11A_1876	-	GTGACCTATGCACCAGACGTTTATTTACTTGAGTGAGTGATTACTTGTGTATGGTATTTGAGATCGGAAGAGCGGTTCAG
chr11	94223949	94223988	MRE11A_1877	-	GTGACCTATGCACCAGACGTTTTGTATTTGTGCACTATCTACCATATTCCCTTGGTTAACAGATCGGAAGAGCGGTTCAG
chr11	94225898	94225937	MRE11A_1878	-	GTGACCTATGCACCAGACGTGACTTCTGGAATCCCTTGTTATTTGGGGTTTCTAAAGCTCAGATCGGAAGAGCGGTTCAG
chr16	81819545	81819584	PLCG2_1879	-	GTGACCTATGCACCAGACGTTCCAGGGAGAAGGAAGGAATCGGGAGAAATCAGGAAGCTGAGATCGGAAGAGCGGTTCAG
chr16	81887999	81888038	PLCG2_1880	-	GTGACCTATGCACCAGACGTATTAACATGAGCCAATTAGAAGCTGGAGTTCCCTCCACCTAGATCGGAAGAGCGGTTCAG
chr16	81891818	81891857	PLCG2_1881	-	GTGACCTATGCACCAGACGTGAAAGGGAACAGAAATGCTGTGTTAATTCCTGGGAAGACGAGATCGGAAGAGCGGTTCAG
chr16	81892671	81892710	PLCG2_1882	-	GTGACCTATGCACCAGACGTATATGAGACAAAAGAAAGAGAGAAAGAGAAAATTAGAAAAAGATCGGAAGAGCGGTTCAG
chr16	81902769	81902808	PLCG2_1883	-	GTGACCTATGCACCAGACGTGGGAGACCCAGTTCTGTCACCTTGAGGGTTTTCAACAGCAAGATCGGAAGAGCGGTTCAG
chr16	81904407	81904446	PLCG2_1884	-	GTGACCTATGCACCAGACGTGAAAAAAGTGACCACATGATTTTTGATGTCCACCGTAAGAAGATCGGAAGAGCGGTTCAG
chr16	81914465	81914504	PLCG2_1885	-	GTGACCTATGCACCAGACGTAAGCACACACAAAAAAAAGAACCTTAGACAAGTCACTTAAAGATCGGAAGAGCGGTTCAG
chr16	81916824	81916863	PLCG2_1886	-	GTGACCTATGCACCAGACGTGGAAAGGGGGTGCAGTTAGAGACAGACACATTCAACAGAGAGATCGGAAGAGCGGTTCAG
chr16	81922727	81922766	PLCG2_1887	-	GTGACCTATGCACCAGACGTCAAAGAGAACGAGAGATCAGCAAAGTGAGAACTGATAAAAAGATCGGAAGAGCGGTTCAG
chr16	81925027	81925066	PLCG2_1888	-	GTGACCTATGCACCAGACGTCAAACACGAAGACCGAATCATCACGTTGACGGGCAGGATGAGATCGGAAGAGCGGTTCAG
chr16	81927264	81927303	PLCG2_1889	-	GTGACCTATGCACCAGACGTGAAGGCAGGTGGCCGTGTGAGAGTGGCAGCCACAGGGGTTAGATCGGAAGAGCGGTTCAG
chr16	81929362	81929401	PLCG2_1890	-	GTGACCTATGCACCAGACGTAAACGCGGCAGCCTCAATACCACGTGTGTTCACTGACAGCAGATCGGAAGAGCGGTTCAG
chr16	81934167	81934206	PLCG2_1891	-	GTGACCTATGCACCAGACGTAAGAGGGTGGGCAGCTCGGCAGGGGGAGCACACACCTCTGAGATCGGAAGAGCGGTTCAG
chr16	81938958	81938997	PLCG2_1892	-	GTGACCTATGCACCAGACGTAACATATACATAGGCTGTCTCCATGGAGACCCAAGTTTAGAGATCGGAAGAGCGGTTCAG
chr16	81941240	81941279	PLCG2_1893	-	GTGACCTATGCACCAGACGTAAACTGGTATTAGTGCCCCCCAAGTCCTCTACCTCATCAAAGATCGGAAGAGCGGTTCAG
chr16	81941971	81942010	PLCG2_1894	-	GTGACCTATGCACCAGACGTAAGAGAGGAGGGGTTTCTGAAAGCCTTGGACCAAACCCCAAGATCGGAAGAGCGGTTCAG
chr16	81944075	81944114	PLCG2_1895	-	GTGACCTATGCACCAGACGTAGGACGCCATCAGTGCTGGGAGAACGCAGGCCAGGCCATTAGATCGGAAGAGCGGTTCAG
chr16	81946152	81946191	PLCG2_1896	-	GTGACCTATGCACCAGACGTGGGCCAGGGAAAACGACCAGGTGAGCGGTCTCCAGGCTGTAGATCGGAAGAGCGGTTCAG
chr16	81953039	81953078	PLCG2_1897	-	GTGACCTATGCACCAGACGTAAGAACACAGGGTTGACATGCCAAGATCCTGGTGGCCAAAAGATCGGAAGAGCGGTTCAG
chr16	81954753	81954792	PLCG2_1898	-	GTGACCTATGCACCAGACGTAAAGAAAGAAAGAAATGGAATAATCCATGCTCCTGGAATAAGATCGGAAGAGCGGTTCAG
chr16	81957040	81957079	PLCG2_1899	-	GTGACCTATGCACCAGACGTAAACAAGAAGGAAAAGGTCAGGCCAGGGACAGGAGGGGAGAGATCGGAAGAGCGGTTCAG
chr16	81960637	81960676	PLCG2_1900	-	GTGACCTATGCACCAGACGTAGAGAGGACATGGGGGCGCTGTCACCAGGTGGCATGAATTAGATCGGAAGAGCGGTTCAG
chr16	81962113	81962152	PLCG2_1901	-	GTGACCTATGCACCAGACGTACAAGACATAACTCACGTTAGTTGTAACGGGAATAATAAAAGATCGGAAGAGCGGTTCAG
chr16	81965052	81965091	PLCG2_1902	-	GTGACCTATGCACCAGACGTGAGAATAAGAAATGTCCCAATCAGCCTATTAGAGGGCCACAGATCGGAAGAGCGGTTCAG
chr16	81967984	81968023	PLCG2_1903	-	GTGACCTATGCACCAGACGTTTCACTGTCTTTAGTGCCCGCCCCCGAGAAATCCCATCTTAGATCGGAAGAGCGGTTCAG
chr16	81969724	81969763	PLCG2_1904	-	GTGACCTATGCACCAGACGTAGAAAAAGGTCATCAGTACTTCTGTGTCTCATCTGTGCATAGATCGGAAGAGCGGTTCAG
chr16	81971313	81971352	PLCG2_1905	-	GTGACCTATGCACCAGACGTAAGTGAACGCCTGCTGTAAGTCAGGCATGAGCACGCTGGCAGATCGGAAGAGCGGTTCAG
chr16	81972356	81972395	PLCG2_1906	-	GTGACCTATGCACCAGACGTAAAGGGAAGCATTGGAACCCCCCTGGGGTCCTGAACAGGCAGATCGGAAGAGCGGTTCAG
chr16	81979730	81979769	PLCG2_1907	-	GTGACCTATGCACCAGACGTACAAGGAGGAAAATGCAAAGGCAGGTAATTAATGTCAGACAGATCGGAAGAGCGGTTCAG
chr16	81991511	81991550	PLCG2_1908	-	GTGACCTATGCACCAGACGTACAGATTTCACCATCAGCAGTGGGCCATGAGAAATGGGCTAGATCGGAAGAGCGGTTCAG
chr12	112856866	112856905	PTPN11_1909	-	GTGACCTATGCACCAGACGTCCCTCCGGCTCCGCGACGGACCCGCTCCTTGCTCAGGCTCAGATCGGAAGAGCGGTTCAG
chr12	112884030	112884069	PTPN11_1910	-	GTGACCTATGCACCAGACGTAAGACAAAGTAAGTAATAAAAAAACAAGACACTGTCAGCAAGATCGGAAGAGCGGTTCAG
chr12	112888072	112888111	PTPN11_1911	-	GTGACCTATGCACCAGACGTCCATTGGAAAGGGAGGCAAGGGGACAAATAAAGAGTTACAAGATCGGAAGAGCGGTTCAG
chr12	112890949	112890988	PTPN11_1912	-	GTGACCTATGCACCAGACGTTAAAAAATAAAAAAGAATTTAGCTCTACTATGGGTTCATGAGATCGGAAGAGCGGTTCAG
chr12	112892318	112892357	PTPN11_1913	-	GTGACCTATGCACCAGACGTAAACACATGACATTTATTATTTGTTACCTTTATGTTACATAGATCGGAAGAGCGGTTCAG
chr12	112893704	112893743	PTPN11_1914	-	GTGACCTATGCACCAGACGTACAGCAGTTGATGTAAAATAAAGAAAATATTACAGAAAACAGATCGGAAGAGCGGTTCAG

chr12	112910698	112910737	PTPN11_1915	-	GTGACCTATGCACCAGACGTAGAAAAGTCAATATTATTACGTGTCAAAGAGTCACAGAAAAGATCGGAAGAGCGGTTCAG
chr12	112915405	112915444	PTPN11_1916	-	GTGACCTATGCACCAGACGTAAGAGACCACGGTCACATAAGTCCTGGACTGCTTCAGGAAAGATCGGAAGAGCGGTTCAG
chr12	112915611	112915650	PTPN11_1917	-	GTGACCTATGCACCAGACGTAGGAAGAAAATCCTTCAAACACCTTAAAGTTACTTTCAGGAGATCGGAAGAGCGGTTCAG
chr12	112919828	112919867	PTPN11_1918	-	GTGACCTATGCACCAGACGTTCAGAAAAAAAGAAAGTTAATTCTGTGAACTCTGAAATAAAGATCGGAAGAGCGGTTCAG
chr12	112924229	112924268	PTPN11_1919	-	GTGACCTATGCACCAGACGTGCCAAGAAAAACCAGAAAAGAATTAAATAAATCAAGAGGTAGATCGGAAGAGCGGTTCAG
chr12	112926197	112926236	PTPN11_1920	-	GTGACCTATGCACCAGACGTAAGGACAAAAAGCAGGGACAACAGAATCATTCATGGGGGTAGATCGGAAGAGCGGTTCAG
chr12	112926778	112926817	PTPN11_1921	-	GTGACCTATGCACCAGACGTAACATCATGAAGAATAAAGAGAAACTGCAGAGCCAGGATGAGATCGGAAGAGCGGTTCAG
chr12	112939898	112939937	PTPN11_1922	-	GTGACCTATGCACCAGACGTGAAGAGTGCACATGTGAGGGACAATGGTTATTTTAAGGGGAGATCGGAAGAGCGGTTCAG
chr12	112942449	112942488	PTPN11_1923	-	GTGACCTATGCACCAGACGTAAGAAAAAGAAAGACATTTACAAAAATGTAGACCACGCTGAGATCGGAAGAGCGGTTCAG
chr5	131892967	131893006	RAD50_1924	-	GTGACCTATGCACCAGACGTGTTTCTAATCTCACCAGGGACCTGGAGCCCACAAAGGCTTAGATCGGAAGAGCGGTTCAG
chr5	131894926	131894965	RAD50_1925	-	GTGACCTATGCACCAGACGTAGAAAATTACATTATTTCGTTATAAGAGAACCACAGAAGTAGATCGGAAGAGCGGTTCAG
chr5	131911419	131911458	RAD50_1926	-	GTGACCTATGCACCAGACGTAAACACAGAAAAAACTTATGTTACTTTAATAAGCACCAGTAGATCGGAAGAGCGGTTCAG
chr5	131914959	131914998	RAD50_1927	-	GTGACCTATGCACCAGACGTTGAAAATCAAGAATATATGTAAAATAACCTTCAGTGTATCAGATCGGAAGAGCGGTTCAG
chr5	131915011	131915050	RAD50_1928	-	GTGACCTATGCACCAGACGTATTTCTGCACACTTAGAGCTCAGACTGACCTTTTCACCATAGATCGGAAGAGCGGTTCAG
chr5	131923204	131923243	RAD50_1929	-	GTGACCTATGCACCAGACGTAGAAACATTACATAAATAAAACTCACTATAGCTTACATGGAGATCGGAAGAGCGGTTCAG
chr5	131923566	131923605	RAD50_1930	-	GTGACCTATGCACCAGACGTCCAAAATAAAAAGCTTTAATGTACAAACATAAGAAAATATAGATCGGAAGAGCGGTTCAG
chr5	131924329	131924368	RAD50_1931	-	GTGACCTATGCACCAGACGTAAAAATCTCATAATTTTTTTTTCAACTGGTGCTTAAAAAGAGATCGGAAGAGCGGTTCAG
chr5	131925273	131925312	RAD50_1932	-	GTGACCTATGCACCAGACGTATGTAAAGAATGAGCATTAATAATTTACTAAACAATTTAAAGATCGGAAGAGCGGTTCAG
chr5	131926866	131926905	RAD50_1933	-	GTGACCTATGCACCAGACGTATTCATACAAATGCAAAGGTGTTATATATTTTGTGCAAGAAGATCGGAAGAGCGGTTCAG
chr5	131927519	131927558	RAD50_1934	-	GTGACCTATGCACCAGACGTAAAAAAAATCTTTTAAAAATAAAGTCTATATCTCCACATTAGATCGGAAGAGCGGTTCAG
chr5	131930511	131930550	RAD50_1935	-	GTGACCTATGCACCAGACGTAGCAAATATGGATTTTCATTTTAAAATAGGAGAAATTAGTAGATCGGAAGAGCGGTTCAG
chr5	131931215	131931254	RAD50_1936	-	GTGACCTATGCACCAGACGTAAAATAAATTATATCACCAATGAGAAAAAAACATAAAATAAGATCGGAAGAGCGGTTCAG
chr5	131939562	131939601	RAD50_1937	-	GTGACCTATGCACCAGACGTTAACAAAATGATTTCCTTTAATAAACTTACTGCATTATTCAGATCGGAAGAGCGGTTCAG
chr5	131940448	131940487	RAD50_1938	-	GTGACCTATGCACCAGACGTACATATTATCACAGTAATTAATGTAAGGGCATAGAAAATAAGATCGGAAGAGCGGTTCAG
chr5	131944759	131944798	RAD50_1939	-	GTGACCTATGCACCAGACGTATATTCATTAAATTTACACTGGTTGTACTTAAGGGCACATAGATCGGAAGAGCGGTTCAG
chr5	131951645	131951684	RAD50_1940	-	GTGACCTATGCACCAGACGTACATTAAATTAGTTAACAAAAATAACCAAGTTACTAACATAGATCGGAAGAGCGGTTCAG
chr5	131953712	131953751	RAD50_1941	-	GTGACCTATGCACCAGACGTGAAAAATGACAAATGAGGACCATTTTTTAGCTTTTAACAAAGATCGGAAGAGCGGTTCAG
chr5	131973723	131973762	RAD50_1942	-	GTGACCTATGCACCAGACGTAAGAAGAATATTTTAGAGGAACCTATGCTCTGTAGCCTTTAGATCGGAAGAGCGGTTCAG
chr5	131976314	131976353	RAD50_1943	-	GTGACCTATGCACCAGACGTGCCCCTATGTGAGAAGCCCAGCACAGACCTTCTCATCTCAAGATCGGAAGAGCGGTTCAG
chr5	131977820	131977859	RAD50_1944	-	GTGACCTATGCACCAGACGTATATTCAGAACATATTATTAGTAAAGAGCATAACCCCTTCAGATCGGAAGAGCGGTTCAG
chr15	40990907	40990946	RAD51_1945	-	GTGACCTATGCACCAGACGTTACAAATGCTTATCAGTATAAACACTAGAGAAATAAGGTGAGATCGGAAGAGCGGTTCAG
chr15	40998325	40998364	RAD51_1946	-	GTGACCTATGCACCAGACGTTAAGAAATATTAAATCAACAAAATAATATTCCTTACCACAAGATCGGAAGAGCGGTTCAG
chr15	41001173	41001212	RAD51_1947	-	GTGACCTATGCACCAGACGTGATAAGAAATAACTCTTAGCATAATACAAACATGTAGAAAAGATCGGAAGAGCGGTTCAG
chr15	41010953	41010992	RAD51_1948	-	GTGACCTATGCACCAGACGTCAAAAACAACAGTAGAAATGAACATTGTATTTCTGATACAAGATCGGAAGAGCGGTTCAG
chr15	41020859	41020898	RAD51_1949	-	GTGACCTATGCACCAGACGTGGAGAGAACATTTTTAGGCTGCACACAGAACTCAGGCAGAAGATCGGAAGAGCGGTTCAG
chr15	41021653	41021692	RAD51_1950	-	GTGACCTATGCACCAGACGTCAAGGATTCTCTGAAGCCTATTTCTAGCCTGTGTCAGATTAGATCGGAAGAGCGGTTCAG
chr15	41022001	41022040	RAD51_1951	-	GTGACCTATGCACCAGACGTAAGGATAAATGTCAATTTTGTGGCCATAGACACTCCAAAAAGATCGGAAGAGCGGTTCAG
chr15	41023203	41023242	RAD51_1952	-	GTGACCTATGCACCAGACGTGACACAGACCAAAGCACCAATTTATTATAATTAAACAATTAGATCGGAAGAGCGGTTCAG
chr13	80910843	80910882	SPRY2_1953	-	GTGACCTATGCACCAGACGTCAGGAATATTACAGTAATGAGGATTTTTTCTTTCTTTTTTAGATCGGAAGAGCGGTTCAG
chr13	80911317	80911356	SPRY2_1954	-	GTGACCTATGCACCAGACGTAGCTTAAGCCACTGAGCAAGGAAGATTTGGGCCTGCACGCAGATCGGAAGAGCGGTTCAG
chr16	89804959	89804998	FANCA_1955	-	GTGACCTATGCACCAGACGTCACTGCACACCAGCCCAGCTCCCGTGTAAATAATTTATTAAGATCGGAAGAGCGGTTCAG
chr16	89805240	89805279	FANCA_1956	-	GTGACCTATGCACCAGACGTGATGCCCACCTTGGGCCATGTGGGGGACATGAGAATTGACAGATCGGAAGAGCGGTTCAG
chr16	89805491	89805530	FANCA_1957	-	GTGACCTATGCACCAGACGTGGGCCAGTCCCACCTCCAGGGGAGCTCCCCCCAGCCGGAGAGATCGGAAGAGCGGTTCAG
chr16	89805836	89805875	FANCA_1958	-	GTGACCTATGCACCAGACGTCCACAGGGCTGGTCAGGGCTGGGCAGTGTTTCCCAGACCCAGATCGGAAGAGCGGTTCAG
chr16	89806352	89806391	FANCA_1959	-	GTGACCTATGCACCAGACGTCGCTGCTGAGGCACAAATGCGGAGGGCCGCTCTTTTCAGAAGATCGGAAGAGCGGTTCAG
chr16	89807162	89807201	FANCA_1960	-	GTGACCTATGCACCAGACGTCCTTACCAGCCAAGGTGTCCTCTCCCACTGTGGGCCAGGCAGATCGGAAGAGCGGTTCAG
chr16	89809158	89809197	FANCA_1961	-	GTGACCTATGCACCAGACGTAAATTCTTTTACTGATTTATTTTCTCGCAAGCTTGGTTTCAGATCGGAAGAGCGGTTCAG
chr16	89811317	89811356	FANCA_1962	-	GTGACCTATGCACCAGACGTGTGGTGAGATGGGGTGTGCCCGCCCAGATGCACTTCGGGAAGATCGGAAGAGCGGTTCAG
chr16	89812942	89812981	FANCA_1963	-	GTGACCTATGCACCAGACGTTGTCTTGTTTGGTGTTTTGTTTTGGGGATGAGTGGGAGACAGATCGGAAGAGCGGTTCAG
chr16	89813189	89813228	FANCA_1964	-	GTGACCTATGCACCAGACGTCCCTCAGCCCCTCTCGTGGCCTTCTCAGAACGCCGTGGGTAGATCGGAAGAGCGGTTCAG
chr16	89815017	89815056	FANCA_1965	-	GTGACCTATGCACCAGACGTCGTGTGCACGTGTCCGTCCGATCTGTCAGTGCCTGTGGCGAGATCGGAAGAGCGGTTCAG
chr16	89816088	89816127	FANCA_1966	-	GTGACCTATGCACCAGACGTCTACCACCTGGGCAGGGCAGCACCACCTGGGCAGGGCAGCAGATCGGAAGAGCGGTTCAG
chr16	89818496	89818535	FANCA_1967	-	GTGACCTATGCACCAGACGTGGGTGCCACAACTCAGTGCATTCACTTCATTTAAGCCGCGAGATCGGAAGAGCGGTTCAG
chr16	89831248	89831287	FANCA_1968	-	GTGACCTATGCACCAGACGTGTTCCTTCTCCTGCATCATGCCACGTCCTGAGTCTAGGGTAGATCGGAAGAGCGGTTCAG
chr16	89833499	89833538	FANCA_1969	-	GTGACCTATGCACCAGACGTTCTTTTCCTATTTTTCCATTCTGCCATACGTTTCAGGTTTAGATCGGAAGAGCGGTTCAG
chr16	89836524	89836563	FANCA_1970	-	GTGACCTATGCACCAGACGTCCTTCATGGGGGCCACCCTTGGGGGCCCACTCTGAGGGCCAGATCGGAAGAGCGGTTCAG
chr16	89836922	89836961	FANCA_1971	-	GTGACCTATGCACCAGACGTGGGCAGCTCCCTGAGTGGTGGGGCTCCTCTGGGTGCCACCAGATCGGAAGAGCGGTTCAG
chr16	89838036	89838075	FANCA_1972	-	GTGACCTATGCACCAGACGTGGGCTCAGAACAAAGCAGGGGGTCTTCACCATTTTCCATTAGATCGGAAGAGCGGTTCAG

chr16	89839629	89839668	FANCA_1973	-	GTGACCTATGCACCAGACGTATGGGAGCTCATGCTGTGTCTCATGTGTGCAGCCTGTGGTAGATCGGAAGAGCGGTTCAG
chr16	89842100	89842139	FANCA_1974	-	GTGACCTATGCACCAGACGTGGGCCGCTTGTCCACTCTGGGACTTGTGCTTTTCCATTTTAGATCGGAAGAGCGGTTCAG
chr16	89845159	89845198	FANCA_1975	-	GTGACCTATGCACCAGACGTACGGTTAGAAGGGGATGACTACTTCCAGGTTTCTTCTGACAGATCGGAAGAGCGGTTCAG
chr16	89845301	89845340	FANCA_1976	-	GTGACCTATGCACCAGACGTGTCTCCATGAGTTTGTGACCAGTTGTGTAGAAAGCAAGGAAGATCGGAAGAGCGGTTCAG
chr16	89846227	89846266	FANCA_1977	-	GTGACCTATGCACCAGACGTCTGCCGAAAAGGCCTCTAGCAGCTGCAGTGTGTGCAGACCAGATCGGAAGAGCGGTTCAG
chr16	89849217	89849256	FANCA_1978	-	GTGACCTATGCACCAGACGTTTGAGCCCTGCAGGGTCTCAGCCAGTCACGCCCACCATGCAGATCGGAAGAGCGGTTCAG
chr16	89849365	89849404	FANCA_1979	-	GTGACCTATGCACCAGACGTCCTCCATGCCCACTCCTCACACCTGTCCCAGCAGAAACTGAGATCGGAAGAGCGGTTCAG
chr16	89851212	89851251	FANCA_1980	-	GTGACCTATGCACCAGACGTGGCTGCCACATCCATGATTTCTGGTGCTTCGCTCACCTGCAGATCGGAAGAGCGGTTCAG
chr16	89857761	89857800	FANCA_1981	-	GTGACCTATGCACCAGACGTTGCCAATCGGCTACCTAATACCTGATCTTCCCAGAAGGCCAGATCGGAAGAGCGGTTCAG
chr16	89858285	89858324	FANCA_1982	-	GTGACCTATGCACCAGACGTACGCGAGCCCGGTGGTGCTGGTCAAGAGTGTGTGTAGGGGAGATCGGAAGAGCGGTTCAG
chr16	89858829	89858868	FANCA_1983	-	GTGACCTATGCACCAGACGTGTGGTATTATACCTGCTTCTGAGCTCGTGGCGGGGGGATTAGATCGGAAGAGCGGTTCAG
chr16	89862264	89862303	FANCA_1984	-	GTGACCTATGCACCAGACGTTGTGGAGGCTGCTCAGTTGCTACCCATTTTGGGGATTGCTAGATCGGAAGAGCGGTTCAG
chr16	89865437	89865476	FANCA_1985	-	GTGACCTATGCACCAGACGTCCCGCTCCTGAGCACACTTCCTCTGCCAGTTACGATAACGAGATCGGAAGAGCGGTTCAG
chr16	89865524	89865563	FANCA_1986	-	GTGACCTATGCACCAGACGTGAGGGTGGCCTGCCTGAGTGTGCAGCAGGGAGGTGTCTGCAGATCGGAAGAGCGGTTCAG
chr16	89865963	89866002	FANCA_1987	-	GTGACCTATGCACCAGACGTTGCACTGCAGCCCAGACTGTAAATGACTTAGTTTGCTTATAGATCGGAAGAGCGGTTCAG
chr16	89869617	89869656	FANCA_1988	-	GTGACCTATGCACCAGACGTAAGTCAAGTGAAGAGTTTAGCGGAAGGAGCCGTCCTTATTAGATCGGAAGAGCGGTTCAG
chr16	89871638	89871677	FANCA_1989	-	GTGACCTATGCACCAGACGTGACAAGATGCGGGTTCTTGGGTAAAACTCATTTTGATCTGAGATCGGAAGAGCGGTTCAG
chr16	89874652	89874691	FANCA_1990	-	GTGACCTATGCACCAGACGTAATGATGATTCAGTGTTACTGTTTTTGCAGTCTAGTCTAGAGATCGGAAGAGCGGTTCAG
chr16	89877065	89877104	FANCA_1991	-	GTGACCTATGCACCAGACGTGATTGCAAATCTGACTCTCCAGTGTTCCAGGCAATGTTCTAGATCGGAAGAGCGGTTCAG
chr16	89877287	89877326	FANCA_1992	-	GTGACCTATGCACCAGACGTAGCAAAGATGAGGAAACCTGCCCGTTGTTACTTTTAAGCTAGATCGGAAGAGCGGTTCAG
chr16	89880878	89880917	FANCA_1993	-	GTGACCTATGCACCAGACGTGCTTCATTTTCTCTATTTTGAATTGCAGAAGGGTTTTTATAGATCGGAAGAGCGGTTCAG
chr16	89882235	89882274	FANCA_1994	-	GTGACCTATGCACCAGACGTGCTGGTGTCCGTCTGCGGGCAGATTTAGGTTCGGGGTTTTAGATCGGAAGAGCGGTTCAG
chr16	89882895	89882934	FANCA_1995	-	GTGACCTATGCACCAGACGTGCGGCAGGCCGCGGGAGTGGGCGGCGTCCGGCCCGGGACGAGATCGGAAGAGCGGTTCAG
chr11	22646182	22646221	FANCF_1996	-	GTGACCTATGCACCAGACGTGTTATTACTTGAATATAGAATATATAGTTTACAAAATGAAAGATCGGAAGAGCGGTTCAG
chr11	22646557	22646596	FANCF_1997	-	GTGACCTATGCACCAGACGTCCCTCCCAGCCGGGCTTTTGACTTTAGTGACTAGCCGCCAAGATCGGAAGAGCGGTTCAG
chr11	22646932	22646971	FANCF_1998	-	GTGACCTATGCACCAGACGTTCCAAGAGAGCCTGGCCCGCCTTGCCCGCCGGCGGTCTGCAGATCGGAAGAGCGGTTCAG
chr5	176516554	176516593	FGFR4_1999	-	GTGACCTATGCACCAGACGTCAGCTCTCAGGGACCCAAGCTGGACTTCCCACCAACTGCCAGATCGGAAGAGCGGTTCAG
chr5	176517341	176517380	FGFR4_2000	-	GTGACCTATGCACCAGACGTAGGGCAGAGGTCAGCAGACCCCGCAGCCCCATCTGAGGCAAGATCGGAAGAGCGGTTCAG
chr5	176517696	176517735	FGFR4_2001	-	GTGACCTATGCACCAGACGTGACAGAGGGAAGCATCTAAGGTCCAAGAGGGGCAGGTCTGAGATCGGAAGAGCGGTTCAG
chr5	176517889	176517928	FGFR4_2002	-	GTGACCTATGCACCAGACGTGGGGAAGGCCCCTAGAATGACCGTGTGTTCCCACACAGGCAGATCGGAAGAGCGGTTCAG
chr5	176518636	176518675	FGFR4_2003	-	GTGACCTATGCACCAGACGTAGAGAGTGTCCGGGACCACCGGACCATGTCCACCAAGGGGAGATCGGAAGAGCGGTTCAG
chr5	176519272	176519311	FGFR4_2004	-	GTGACCTATGCACCAGACGTGGCGAGACAGTCAACCCTGACCACCGGCACCCATAGAAGCAGATCGGAAGAGCGGTTCAG
chr5	176519597	176519636	FGFR4_2005	-	GTGACCTATGCACCAGACGTGGACATGCTCTGGGGTCACAGCAGGGCCTGGGGCCACACTAGATCGGAAGAGCGGTTCAG
chr5	176520089	176520128	FGFR4_2006	-	GTGACCTATGCACCAGACGTACATGGACACACACAGACAGACAAACTGGTCAGTGGTGAGAGATCGGAAGAGCGGTTCAG
chr5	176520283	176520322	FGFR4_2007	-	GTGACCTATGCACCAGACGTAGAGGGAAGCGGGAGAGCTTCTGCACAGTGGCGGGCGGGCAGATCGGAAGAGCGGTTCAG
chr5	176520357	176520396	FGFR4_2008	-	GTGACCTATGCACCAGACGTGGAGACTTGGTTCTGCCTGCTGGAGTCAGGCTGTCACATGAGATCGGAAGAGCGGTTCAG
chr5	176520605	176520644	FGFR4_2009	-	GTGACCTATGCACCAGACGTAGAAAGTCCAGCCTCAGACCTCCGAGTCACTCCTGCGGAGAGATCGGAAGAGCGGTTCAG
chr5	176522281	176522320	FGFR4_2010	-	GTGACCTATGCACCAGACGTAGCAGACGGGGTGAAGAGGCTGCCCTCCAACTGCACGAGGAGATCGGAAGAGCGGTTCAG
chr5	176522484	176522523	FGFR4_2011	-	GTGACCTATGCACCAGACGTAGTGGAGGGAGCGTGGAGAGGCTGCCAAAGCTTTGGCTCTAGATCGGAAGAGCGGTTCAG
chr5	176523008	176523047	FGFR4_2012	-	GTGACCTATGCACCAGACGTCGGGGGCTTGGGTGCCTCAGGACACCTGGCCTGGAGTTGAAGATCGGAAGAGCGGTTCAG
chr5	176523238	176523277	FGFR4_2013	-	GTGACCTATGCACCAGACGTGAGAGGGCCTCAGTGCAGAGTCCCACAGGTCCTCGTGCCTAGATCGGAAGAGCGGTTCAG
chr5	176523555	176523594	FGFR4_2014	-	GTGACCTATGCACCAGACGTGGCCAGGGCTCAGTGTGGCTCAGCGCCCTCCCGACGACCGAGATCGGAAGAGCGGTTCAG
chr5	176524243	176524282	FGFR4_2015	-	GTGACCTATGCACCAGACGTTGGGGCGGAGGGTCACAGGGAGCCTCAGGCCTTCAGGAGGAGATCGGAAGAGCGGTTCAG
chr5	176524478	176524517	FGFR4_2016	-	GTGACCTATGCACCAGACGTCGGAGCTGGTCAGCCTCTGCAGCGCCCGGGATGGGACGGGAGATCGGAAGAGCGGTTCAG
chr13	28877254	28877293	FLT1_2017	-	GTGACCTATGCACCAGACGTGAAGCCTTATTTCTAGAAGCACATGTGTATTTATACCCCCAGATCGGAAGAGCGGTTCAG
chr13	28880765	28880804	FLT1_2018	-	GTGACCTATGCACCAGACGTGGTATCTTTTCTGTGATCAGTTGATGGAGGGGTACGAGGGAGATCGGAAGAGCGGTTCAG
chr13	28882930	28882969	FLT1_2019	-	GTGACCTATGCACCAGACGTAAGTTAAGGTACCTAGTGCACCCCGATAGACCCCTTCTTCAGATCGGAAGAGCGGTTCAG
chr13	28886080	28886119	FLT1_2020	-	GTGACCTATGCACCAGACGTATTTATTTACATCAAAATGCCTTTGAATGTACGTCAGGGGAGATCGGAAGAGCGGTTCAG
chr13	28891585	28891624	FLT1_2021	-	GTGACCTATGCACCAGACGTGGTGCCCTCTGCTCCCCATCTGACAGCTCGCTTTTCACCAAGATCGGAAGAGCGGTTCAG
chr13	28893510	28893549	FLT1_2022	-	GTGACCTATGCACCAGACGTGAGAAGGAAGAAATCAAACAGCCCAGAAATAAATGTCTGCAGATCGGAAGAGCGGTTCAG
chr13	28895550	28895589	FLT1_2023	-	GTGACCTATGCACCAGACGTTTGATGTTTATTTGACTCATGTGTGTCCTATCACTTTTAAAGATCGGAAGAGCGGTTCAG
chr13	28896349	28896388	FLT1_2024	-	GTGACCTATGCACCAGACGTCTGTTTACTGTTTTTCTTCTCTGCCAGGGCTGGACACACAAGATCGGAAGAGCGGTTCAG
chr13	28896877	28896916	FLT1_2025	-	GTGACCTATGCACCAGACGTATTCCTTCCTGTCCTACGCGCTGAGATATTTTTACAACATAGATCGGAAGAGCGGTTCAG
chr13	28901549	28901588	FLT1_2026	-	GTGACCTATGCACCAGACGTCAAAAGTTGGAGGTTTTTAAAGATAGCAATGAGTTTTCATAGATCGGAAGAGCGGTTCAG
chr13	28903702	28903741	FLT1_2027	-	GTGACCTATGCACCAGACGTAGGGGAGGGCCGGCTCCGTCTCCCCCTGCACAGGCTGGGAAGATCGGAAGAGCGGTTCAG
chr13	28908112	28908151	FLT1_2028	-	GTGACCTATGCACCAGACGTTGTAGTTTGGCTTTCAACTGACCCATCACCATTTTGCATTAGATCGGAAGAGCGGTTCAG
chr13	28919532	28919571	FLT1_2029	-	GTGACCTATGCACCAGACGTAGGTGATGTTCTATGCTCCTTTTTACATATATTCTAAAAAAGATCGGAAGAGCGGTTCAG
chr13	28931641	28931680	FLT1_2030	-	GTGACCTATGCACCAGACGTGCTTAAGAAAGCAACAAGAAATTGGTCAGACATCTATTTCAGATCGGAAGAGCGGTTCAG

chr13	28958972	28959011	FLT1_2031	-	GTGACCTATGCACCAGACGTTTTTTTTCTTCCATTTATTATTTCTCATCTTTCATCAGCCAGATCGGAAGAGCGGTTCAG
chr13	28963883	28963922	FLT1_2032	-	GTGACCTATGCACCAGACGTCAACAAAAAGGCTGTTTTCTCTCGGATCTCCAAATTTAAAAGATCGGAAGAGCGGTTCAG
chr13	28971047	28971086	FLT1_2033	-	GTGACCTATGCACCAGACGTCATCCTATAACCAGAGACAGCCTGGTGACTTCATTCTCTCAGATCGGAAGAGCGGTTCAG
chr13	28979867	28979906	FLT1_2034	-	GTGACCTATGCACCAGACGTTAAAAATGCGCACTGGGATATTTATTCCACAAATACACTCAGATCGGAAGAGCGGTTCAG
chr13	29001246	29001285	FLT1_2035	-	GTGACCTATGCACCAGACGTTCAGTTTTTTTACTAACTTTCAAATACTTTTTGACACCTGAGATCGGAAGAGCGGTTCAG
chr13	29001839	29001878	FLT1_2036	-	GTGACCTATGCACCAGACGTTGTTCATACTTTCTTCTGGTTCTGGTAGGCAACAAATTAGAGATCGGAAGAGCGGTTCAG
chr13	29004137	29004176	FLT1_2037	-	GTGACCTATGCACCAGACGTCCTTATTTCCATAACAGTTTAAGACATACTTTGTAAGTGGAGATCGGAAGAGCGGTTCAG
chr13	29005223	29005262	FLT1_2038	-	GTGACCTATGCACCAGACGTTTCAGCGTTGCCAACTCATGCTATGCTTTCTAATCATTGTAGATCGGAAGAGCGGTTCAG
chr13	29007906	29007945	FLT1_2039	-	GTGACCTATGCACCAGACGTCATTTTTCTATTTCTTCTGCAGGACAGTATTTTAAGCAAGAGATCGGAAGAGCGGTTCAG
chr13	29008145	29008184	FLT1_2040	-	GTGACCTATGCACCAGACGTCTTCAAAGGCATGAACATAAGCCGAAGTGCTCTGTATTTTAGATCGGAAGAGCGGTTCAG
chr13	29012308	29012347	FLT1_2041	-	GTGACCTATGCACCAGACGTACACCGCTATTCTCAGCATACTTTCACTGCAAATAAGCATAGATCGGAAGAGCGGTTCAG
chr13	29040990	29041029	FLT1_2042	-	GTGACCTATGCACCAGACGTCATTTTCTACATTCTGTTTGCTTTTGCTTTGCAAATGAGTAGATCGGAAGAGCGGTTCAG
chr13	29041608	29041647	FLT1_2043	-	GTGACCTATGCACCAGACGTGTGTTGGTTTGGGAATAATCTAGTTGCCATGCCTAAGGCAAGATCGGAAGAGCGGTTCAG
chr13	29068867	29068906	FLT1_2044	-	GTGACCTATGCACCAGACGTGCTGGGGGCCGGGGCCTGAGGCGGGCTGCGATGGGGCGGCAGATCGGAAGAGCGGTTCAG
chr13	41133610	41133649	FOXO1_2045	-	GTGACCTATGCACCAGACGTGCAGGTAAGTTCACCCCAATATCAAAAGACCTTTTGAAAAAGATCGGAAGAGCGGTTCAG
chr13	41239670	41239709	FOXO1_2046	-	GTGACCTATGCACCAGACGTTCGGCGCGCGGCCGGACCTTGGGGGCGCGGTGGGTCAGGCAGATCGGAAGAGCGGTTCAG
chr13	41134056	41134095	FOXO1_2047	-	GTGACCTATGCACCAGACGTATCTCATAACAAAATGATGAATCCCAGCTCCCATACCCACAGATCGGAAGAGCGGTTCAG
chr13	41134502	41134541	FOXO1_2048	-	GTGACCTATGCACCAGACGTTCTGAGATAAGCAATCCCGAAAACATGGAAAATCTTTTGGAGATCGGAAGAGCGGTTCAG
chr15	66679636	66679675	MAP2K1_2049	-	GTGACCTATGCACCAGACGTGGTAACGCGCTTCCAACTCCGGGGGGAGGGCAGCACCTCTAGATCGGAAGAGCGGTTCAG
chr15	66727315	66727354	MAP2K1_2050	-	GTGACCTATGCACCAGACGTGTGGGGAGCACAAGTCAATACTGTCACCAGAGAAGTCAACAGATCGGAAGAGCGGTTCAG
chr15	66729034	66729073	MAP2K1_2051	-	GTGACCTATGCACCAGACGTGTGGAAGAAAGAGAGGTTTTATGAAAGAAAGAGGGAGGAAAGATCGGAAGAGCGGTTCAG
chr15	66735568	66735607	MAP2K1_2052	-	GTGACCTATGCACCAGACGTGAATACCAGACCAGTTAGTGACAATGTTCTAACTATTCTTAGATCGGAAGAGCGGTTCAG
chr15	66736944	66736983	MAP2K1_2053	-	GTGACCTATGCACCAGACGTGGGAATGTAAAAGAAAAGAAAATACTGGTGATAAGAAAAAAGATCGGAAGAGCGGTTCAG
chr15	66774043	66774082	MAP2K1_2054	-	GTGACCTATGCACCAGACGTGAGAAAATAGAAAAGGAGGGAACTGACACAGGTAGATTGGAGATCGGAAGAGCGGTTCAG
chr15	66777278	66777317	MAP2K1_2055	-	GTGACCTATGCACCAGACGTGACAGACAGTGATAATCACCTAACCTAACTTGGACCCCTGAGATCGGAAGAGCGGTTCAG
chr15	66779516	66779555	MAP2K1_2056	-	GTGACCTATGCACCAGACGTTATAAAAAGAAAAAATACTTCTCAGAAACAGATTACTTGTAGATCGGAAGAGCGGTTCAG
chr15	66781503	66781542	MAP2K1_2057	-	GTGACCTATGCACCAGACGTATGTTGAGATAAGAAAAATGCCTGGCTCCTTGCTCCAGCCAGATCGGAAGAGCGGTTCAG
chr15	66782006	66782045	MAP2K1_2058	-	GTGACCTATGCACCAGACGTGAAAGACAAGGTAAGAGCTGTTGCCTGGCACTGGTTCTAGAGATCGGAAGAGCGGTTCAG
chr15	66782790	66782829	MAP2K1_2059	-	GTGACCTATGCACCAGACGTGGAAACGAGAGGACGTGGTGTTAAAAAGAAACAAAAAAACAGATCGGAAGAGCGGTTCAG
chr19	52693300	52693339	PPP2R1A_2060	-	GTGACCTATGCACCAGACGTTCCCTTTCCTGTCAGACTGCGGCCAGCGCTGTGCTGAAACAGATCGGAAGAGCGGTTCAG
chr19	52705147	52705186	PPP2R1A_2061	-	GTGACCTATGCACCAGACGTAACAAGAAGAGGAGGGGAGAATGTTAGAAATCCCAGACACAGATCGGAAGAGCGGTTCAG
chr19	52709166	52709205	PPP2R1A_2062	-	GTGACCTATGCACCAGACGTAAGACAGACTTCGTGACTATCCCATCTCAACTCTGACCCCAGATCGGAAGAGCGGTTCAG
chr19	52714463	52714502	PPP2R1A_2063	-	GTGACCTATGCACCAGACGTAACACAAAGTCACTGGACAGCTCCCTCTCCACCATCCGCAAGATCGGAAGAGCGGTTCAG
chr19	52716158	52716197	PPP2R1A_2064	-	GTGACCTATGCACCAGACGTGAGAGGAACAGTGGGAGGGCAGCAGAGGCCTTGCTGAGCTAGATCGGAAGAGCGGTTCAG
chr19	52718982	52719021	PPP2R1A_2065	-	GTGACCTATGCACCAGACGTGAAGGAGGAGGGGGAGAGTGAGAGGGGCTGGCAGTTTACTAGATCGGAAGAGCGGTTCAG
chr19	52719207	52719246	PPP2R1A_2066	-	GTGACCTATGCACCAGACGTGGAGAGGGAGGCAAAGGGAAGTGAGACCTGATGTGCTAGTAGATCGGAAGAGCGGTTCAG
chr19	52719732	52719771	PPP2R1A_2067	-	GTGACCTATGCACCAGACGTGAAGAGGCAGGCACAGGGGTCAGTGCAACCCCTGCAGCAGAGATCGGAAGAGCGGTTCAG
chr19	52722894	52722933	PPP2R1A_2068	-	GTGACCTATGCACCAGACGTGAAAGAAGGATTCTGAGAGAATGCAATGCACACAGCAACCAGATCGGAAGAGCGGTTCAG
chr19	52723392	52723431	PPP2R1A_2069	-	GTGACCTATGCACCAGACGTAACCAAGGGTTCCAAGGTAAGCGTTCCAGGAGAGCAAACAAGATCGGAAGAGCGGTTCAG
chr19	52724182	52724221	PPP2R1A_2070	-	GTGACCTATGCACCAGACGTGTGAGGGTGAGAGAGACAGGGATTTGGAGGTGAAGAACTGAGATCGGAAGAGCGGTTCAG
chr19	52725302	52725341	PPP2R1A_2071	-	GTGACCTATGCACCAGACGTGTGAGTGGCAGGGGTGAGTATGCAAAGCTCCTGGCTAACTAGATCGGAAGAGCGGTTCAG
chr19	52728920	52728959	PPP2R1A_2072	-	GTGACCTATGCACCAGACGTAAAGGAGACAGGGAGAGAGAGGGTGAGCCAGGATGGACTGAGATCGGAAGAGCGGTTCAG
chr19	52729168	52729207	PPP2R1A_2073	-	GTGACCTATGCACCAGACGTAGGAACAGGCAAGAATCAGAACCAGAGCCCTCTCTCTGCCAGATCGGAAGAGCGGTTCAG
chr1	186644980	186645019	PTGS2_2074	-	GTGACCTATGCACCAGACGTTTATTGAAAACCAAAACAAAAGACTAGTCAGTAACTTTAGAGATCGGAAGAGCGGTTCAG
chr1	186645549	186645588	PTGS2_2075	-	GTGACCTATGCACCAGACGTAAATGATTTATATAAAACCCTCTTCCCCAGGGAAAATTAGAGATCGGAAGAGCGGTTCAG
chr1	186645915	186645954	PTGS2_2076	-	GTGACCTATGCACCAGACGTTTTGACTATTAAGACTTAGTTATTACCGCTTATACCCATAAGATCGGAAGAGCGGTTCAG
chr1	186646731	186646770	PTGS2_2077	-	GTGACCTATGCACCAGACGTGTTAATATCTTAGAGTTAGTAAAATTATACCAAATCATAGAGATCGGAAGAGCGGTTCAG
chr1	186647343	186647382	PTGS2_2078	-	GTGACCTATGCACCAGACGTAGAATCCATTAGAGATGTATTAACTATAAGACGGGCTGCAAGATCGGAAGAGCGGTTCAG
chr1	186648140	186648179	PTGS2_2079	-	GTGACCTATGCACCAGACGTGTGTCTTTCTAAGGTTTTTAGCCTTCTCAAAGAAAAATATAGATCGGAAGAGCGGTTCAG
chr1	186648404	186648443	PTGS2_2080	-	GTGACCTATGCACCAGACGTCCTTTGGTTGCCTCATTAGGAGTGGGGCTGGATACAGTTAAGATCGGAAGAGCGGTTCAG
chr1	186649321	186649360	PTGS2_2081	-	GTGACCTATGCACCAGACGTGGCGCCGCGCACCGGGGACTCCGGTTCCACGCACCCGGGCAGATCGGAAGAGCGGTTCAG
chr1	154936229	154936268	SHC1_2082	-	GTGACCTATGCACCAGACGTCGCTCTCTTCCAGAAGATGCCCTCCAATCCTTTCCACCCTAGATCGGAAGAGCGGTTCAG
chr1	154937969	154938008	SHC1_2083	-	GTGACCTATGCACCAGACGTCAGAGGTGTGGGTGAGGGGTGGCAAAAAGGAAGGTACAGTAGATCGGAAGAGCGGTTCAG
chr1	154938372	154938411	SHC1_2084	-	GTGACCTATGCACCAGACGTGTCTCTCTCCTCTCTGCATCCCCACCTTTCTACTTGGTTCAGATCGGAAGAGCGGTTCAG
chr1	154938588	154938627	SHC1_2085	-	GTGACCTATGCACCAGACGTAGCCGAGATAGGCAGAGCTGGGGAGTGTTGGAGGCAGGGCAGATCGGAAGAGCGGTTCAG
chr1	154938745	154938784	SHC1_2086	-	GTGACCTATGCACCAGACGTTGGATGGAGGCGGGCTGGGGCTAGGGTGGGAGTGGTTGGTAGATCGGAAGAGCGGTTCAG
chr1	154940097	154940136	SHC1_2087	-	GTGACCTATGCACCAGACGTGGGGAGAGTGTGGAGCAGCTCTTGGATTAGGATTAGGAAAAGATCGGAAGAGCGGTTCAG
chr1	154940406	154940445	SHC1_2088	-	GTGACCTATGCACCAGACGTGTGGGGAGCACTGGGTGGGTCTGGCTGTTTGAGGAGGTGAAGATCGGAAGAGCGGTTCAG

chr1	154940630	154940669	SHC1_2089	-	GTGACCTATGCACCAGACGTGAACAGAGCAAAGGCGGTGGGAGAAGAGCAAGGGGCTAGGAGATCGGAAGAGCGGTTCAG
chr1	154940921	154940960	SHC1_2090	-	GTGACCTATGCACCAGACGTGTGGGCAGACGGACCAGAAACACTGATGGGGGTGCTAAGGAGATCGGAAGAGCGGTTCAG
chr1	154941197	154941236	SHC1_2091	-	GTGACCTATGCACCAGACGTTCCTTGGGGATAGGGATGCTGCTGGGAAATGTGGAGGGGCAGATCGGAAGAGCGGTTCAG
chr1	154941804	154941843	SHC1_2092	-	GTGACCTATGCACCAGACGTAGGGAGTGGATTGTGGGAGTCCTGGGATTAGTGAGGCCATAGATCGGAAGAGCGGTTCAG
chr1	154942458	154942497	SHC1_2093	-	GTGACCTATGCACCAGACGTATCCTCCTCTCCATTCCCCCGCAGACCCCCTCCAGTTCTAAGATCGGAAGAGCGGTTCAG
chr2	1418131	1418170	TPO_2094	-	GTGACCTATGCACCAGACGTACGGAAGGAGACAGAGTATGTAATCAAGCACTGACAAGGCAGATCGGAAGAGCGGTTCAG
chr2	1426767	1426806	TPO_2095	-	GTGACCTATGCACCAGACGTGAATGTCACACAGTCAAAGCGCAATGACAGTTCAGCGATTAGATCGGAAGAGCGGTTCAG
chr2	1437160	1437199	TPO_2096	-	GTGACCTATGCACCAGACGTTAAAGAAGATATAAAATAGATTATTTGTCTATGGTATCTTAGATCGGAAGAGCGGTTCAG
chr2	1439974	1440013	TPO_2097	-	GTGACCTATGCACCAGACGTTAGGAAACCATGAATTCTGTGCTTGTAACCACAAATCCACAGATCGGAAGAGCGGTTCAG
chr2	1457416	1457455	TPO_2098	-	GTGACCTATGCACCAGACGTAAATGCAAGGATGTGTTTGAGATGGGGGAGAAGAACACAGAGATCGGAAGAGCGGTTCAG
chr2	1459798	1459837	TPO_2099	-	GTGACCTATGCACCAGACGTAGAGACCATTGGTCAGGACATAGGAGGACCCTGTGGTAGCAGATCGGAAGAGCGGTTCAG
chr2	1480808	1480847	TPO_2100	-	GTGACCTATGCACCAGACGTAGGGGAGTTCAAGGTCACCCAGGGCCCCCGTGCACCCTTTAGATCGGAAGAGCGGTTCAG
chr2	1488318	1488357	TPO_2101	-	GTGACCTATGCACCAGACGTAGGAAAAGCATCTCAGTGAGGCCCAGGATACCAGAGGAGGAGATCGGAAGAGCGGTTCAG
chr2	1491543	1491582	TPO_2102	-	GTGACCTATGCACCAGACGTCCATGCACAAGGCAAGGACAGCTCTTGGCTCAGTTCTAGAAGATCGGAAGAGCGGTTCAG
chr2	1497524	1497563	TPO_2103	-	GTGACCTATGCACCAGACGTGAGAGGCTGCAGGGTTTCTCTCACAGAACTGAACTTTTGTAGATCGGAAGAGCGGTTCAG
chr2	1499711	1499750	TPO_2104	-	GTGACCTATGCACCAGACGTGGAGACAGTGAGTAAGGTCACAGTGCATGGAGAACCCCCAAGATCGGAAGAGCGGTTCAG
chr2	1500317	1500356	TPO_2105	-	GTGACCTATGCACCAGACGTTGGACAGGTTGACATGTAGTCAAACTACGAGAAAAGAAAAAGATCGGAAGAGCGGTTCAG
chr2	1507670	1507709	TPO_2106	-	GTGACCTATGCACCAGACGTCACAAGGCCACACACGTGAGAGGAAGCGGCTGCACCCCCAAGATCGGAAGAGCGGTTCAG
chr2	1520605	1520644	TPO_2107	-	GTGACCTATGCACCAGACGTGAAAGAGGCCTGGTTAGAAGAACCTTCCAGGGCCTGGGCAAGATCGGAAGAGCGGTTCAG
chr2	1544316	1544355	TPO_2108	-	GTGACCTATGCACCAGACGTCACGTGTCCAGTTATCGGGAGAGGGTCCGGCACCGTGACTAGATCGGAAGAGCGGTTCAG
chr2	1546143	1546182	TPO_2109	-	GTGACCTATGCACCAGACGTGCAGAACAAACATTAATAACGTCTGAATTCTGACTGCTCCAGATCGGAAGAGCGGTTCAG
chr2	1481067	1481106	TPO_2110	-	GTGACCTATGCACCAGACGTGAGGCGCGCGTGGACGCGGAGCAGCCCTTCGGCACTGGTCAGATCGGAAGAGCGGTTCAG
chr9	100437671	100437710	XPA_2111	-	GTGACCTATGCACCAGACGTCAGTGACCTGTTTTATAGAATTTTATATTTAAATAAAGGAAGATCGGAAGAGCGGTTCAG
chr9	100447155	100447194	XPA_2112	-	GTGACCTATGCACCAGACGTACATTTTATATCGTGAAGGATTGTGTTTTACCATTTTGCAAGATCGGAAGAGCGGTTCAG
chr9	100449328	100449367	XPA_2113	-	GTGACCTATGCACCAGACGTAGTTGTATTTATTATTTTTCACTCTGGTAAATTCTTAATAAGATCGGAAGAGCGGTTCAG
chr9	100451766	100451805	XPA_2114	-	GTGACCTATGCACCAGACGTTAGATGGTGTTCTTAATTGCTAATGTTTATGTGTAGGTTTAGATCGGAAGAGCGGTTCAG
chr9	100455881	100455920	XPA_2115	-	GTGACCTATGCACCAGACGTTTTTTCAAAAATAAGTATCTAGATTGGTTATTTTGAGTAAAGATCGGAAGAGCGGTTCAG
chr9	100459353	100459392	XPA_2116	-	GTGACCTATGCACCAGACGTCGTCCGCGCTTTCCCCTTCCCTCTCCCCGCCTCCCCGGTCAGATCGGAAGAGCGGTTCAG
chr3	14187391	14187430	XPC_2117	-	GTGACCTATGCACCAGACGTCACTAGAGGGGCACCCACCAGTTGCTGCTGCCCCACTACAAGATCGGAAGAGCGGTTCAG
chr3	14188740	14188779	XPC_2118	-	GTGACCTATGCACCAGACGTGTTCTTTGCAGAGAAGACAAGCTCAGGGTCAGTTTCTTGGAGATCGGAAGAGCGGTTCAG
chr3	14189358	14189397	XPC_2119	-	GTGACCTATGCACCAGACGTATGCAGGACTGAGGGACAGCAGAAGCGGGAAGCAACACTCAGATCGGAAGAGCGGTTCAG
chr3	14190012	14190051	XPC_2120	-	GTGACCTATGCACCAGACGTGGCCTTCGATGGAGGCTAAACACAGGGATGGGGAGGGGTGAGATCGGAAGAGCGGTTCAG
chr3	14190264	14190303	XPC_2121	-	GTGACCTATGCACCAGACGTCATCAGAAGGGCTCAGGACCAGGCCGCCTTGTTCCCCTGCAGATCGGAAGAGCGGTTCAG
chr3	14193785	14193824	XPC_2122	-	GTGACCTATGCACCAGACGTCTGGGGGGTCCCTGTGGGGAGTGGTGACACAGGCCTGTAGAGATCGGAAGAGCGGTTCAG
chr3	14197785	14197824	XPC_2123	-	GTGACCTATGCACCAGACGTCAGCCTGGTTGGCCTCAGGGGCTTCCTGATGGCATGGGATAGATCGGAAGAGCGGTTCAG
chr3	14201191	14201230	XPC_2124	-	GTGACCTATGCACCAGACGTCAGGGCTGCCAGAGAAGAGGAGCAATTGACAGGAAATTGTAGATCGGAAGAGCGGTTCAG
chr3	14206263	14206302	XPC_2125	-	GTGACCTATGCACCAGACGTCTCCCGGATCACTGTTTTTTATCAGTACTGTTAACTAATGAGATCGGAAGAGCGGTTCAG
chr3	14206878	14206917	XPC_2126	-	GTGACCTATGCACCAGACGTCCGCTTGTCCTGCAGAGCTGGGGAGTGTAGGATTTGTGTTAGATCGGAAGAGCGGTTCAG
chr3	14208619	14208658	XPC_2127	-	GTGACCTATGCACCAGACGTGGAATGATGGGGAAGGACTTTTCCTTGTCGGTGCAAAGAGAGATCGGAAGAGCGGTTCAG
chr3	14209707	14209746	XPC_2128	-	GTGACCTATGCACCAGACGTGCCCTTGCTTCTAGGCTCCTGTCACATGCAGTAGGCAACAAGATCGGAAGAGCGGTTCAG
chr3	14211888	14211927	XPC_2129	-	GTGACCTATGCACCAGACGTTTTCTTTGTTTTCAGAACTGTTTGGTTCTGTTTGTTTTTTAGATCGGAAGAGCGGTTCAG
chr3	14211895	14211934	XPC_2130	-	GTGACCTATGCACCAGACGTAAACATCTTTCTTTGTTTTCAGAACTGTTTGGTTCTGTTTAGATCGGAAGAGCGGTTCAG
chr3	14214317	14214356	XPC_2131	-	GTGACCTATGCACCAGACGTTGCAAAGCTTTGTCTCGGGTCTTGATTTTTCTCATCAGAGAGATCGGAAGAGCGGTTCAG
chr3	14219916	14219955	XPC_2132	-	GTGACCTATGCACCAGACGTGGCCCAGCGGGCTTCGCGGGAGACGCCGCCGGTGGGCGGAAGATCGGAAGAGCGGTTCAG
chr3	14199902	14199941	XPC_2133	-	GTGACCTATGCACCAGACGTAGAGTGCCTCCAGGACCCATCGTGGGAGCCATCGTAAGGAAGATCGGAAGAGCGGTTCAG
chr6	69348518	69348557	BAI3_2134	-	GTGACCTATGCACCAGACGTTTGGCCTGTAAAAATGGCAATGAAAGTAAAATGCAAGTAGAGATCGGAAGAGCGGTTCAG
chr6	69640401	69640440	BAI3_2135	-	GTGACCTATGCACCAGACGTAATAAAGGTATATGAAAGCTTGTGTGTAGACATTTCTCACAGATCGGAAGAGCGGTTCAG
chr6	69646361	69646400	BAI3_2136	-	GTGACCTATGCACCAGACGTGACAACAAATAAACATGAAATACTGTCTTAAGTATTCATCAGATCGGAAGAGCGGTTCAG
chr6	69653672	69653711	BAI3_2137	-	GTGACCTATGCACCAGACGTGCAAAGAAGCTTCAACAACAAAAGCAGAGCAGTAAAATCAAGATCGGAAGAGCGGTTCAG
chr6	69665866	69665905	BAI3_2138	-	GTGACCTATGCACCAGACGTAGAAAAAGAGACAGCATGAGGATATCTTCCAATAGGACAAAGATCGGAAGAGCGGTTCAG
chr6	69666487	69666526	BAI3_2139	-	GTGACCTATGCACCAGACGTTGTTTCATGGTCAATGTCAGTCATCTACCACACACTCCTTAGATCGGAAGAGCGGTTCAG
chr6	69684605	69684644	BAI3_2140	-	GTGACCTATGCACCAGACGTAAACAAAGGGACTTGAATGTCAGTAGTGTTTAAAAAATTTAGATCGGAAGAGCGGTTCAG
chr6	69685076	69685115	BAI3_2141	-	GTGACCTATGCACCAGACGTCAAAGAACAGAGAGAAGCTTTATAATAGGGATGTTTGAAGAGATCGGAAGAGCGGTTCAG
chr6	69703610	69703649	BAI3_2142	-	GTGACCTATGCACCAGACGTCAAAAGAACAGAGCAAACATCAGAATCTTCATTACCATTTAGATCGGAAGAGCGGTTCAG
chr6	69723880	69723919	BAI3_2143	-	GTGACCTATGCACCAGACGTAATTAGATAAAAGATTTAATATTACATGAGAGAATTATACAGATCGGAAGAGCGGTTCAG
chr6	69728233	69728272	BAI3_2144	-	GTGACCTATGCACCAGACGTAAGCAAAGGTTAGAAGGAATAAAAAATCTATACATACAATAGATCGGAAGAGCGGTTCAG
chr6	69758027	69758066	BAI3_2145	-	GTGACCTATGCACCAGACGTAGAAATAATAATTTCAATTAAACTTGCTTTACATTTTAGTAGATCGGAAGAGCGGTTCAG
chr6	69759113	69759152	BAI3_2146	-	GTGACCTATGCACCAGACGTTAAATTTTGAAGTATTAGCAAACAGCAAGAAAATACTATGAGATCGGAAGAGCGGTTCAG

chr6	69772776	69772815	BAI3_2147	-	GTGACCTATGCACCAGACGTGTAATTATAATTAAAAGGAGAAATGAGTGCTGAAAAGTATAGATCGGAAGAGCGGTTCAG
chr6	69785837	69785876	BAI3_2148	-	GTGACCTATGCACCAGACGTAGCAGAGAAAGAATGCATATATCTTGAGTACATATATAAAAGATCGGAAGAGCGGTTCAG
chr6	69943132	69943171	BAI3_2149	-	GTGACCTATGCACCAGACGTGAGTGAGGGGGGAGGAAATCGGGATAAATACGCCTGATAGAGATCGGAAGAGCGGTTCAG
chr6	69944874	69944913	BAI3_2150	-	GTGACCTATGCACCAGACGTAACAAAACAAAAAAGAAACAAATTGGTTTTTAATAAATTAAGATCGGAAGAGCGGTTCAG
chr6	69948966	69949005	BAI3_2151	-	GTGACCTATGCACCAGACGTAGAGAAAAGTTACCCAACTTTAAAATCCAACAGAAAGATGAGATCGGAAGAGCGGTTCAG
chr6	70034714	70034753	BAI3_2152	-	GTGACCTATGCACCAGACGTAAACAAACAAAAAGACTCACACTGAACCTGGGAGAGGGAAAGATCGGAAGAGCGGTTCAG
chr6	70037662	70037701	BAI3_2153	-	GTGACCTATGCACCAGACGTAGCAATGTCACGCATTCATATTTAGCTATAACCACTATGCAGATCGGAAGAGCGGTTCAG
chr6	70040348	70040387	BAI3_2154	-	GTGACCTATGCACCAGACGTCATTAGATAAGAACTAACAAAAATTAGTGACAAGTATTAGAGATCGGAAGAGCGGTTCAG
chr6	70042765	70042804	BAI3_2155	-	GTGACCTATGCACCAGACGTGAAACAAAGTTGACCTTTCAATGATATTGAAGGGAATCAGAGATCGGAAGAGCGGTTCAG
chr6	70048758	70048797	BAI3_2156	-	GTGACCTATGCACCAGACGTACAGAACACCCACAAAAAGAACAAAATATTGAATTGTCACAGATCGGAAGAGCGGTTCAG
chr6	70049175	70049214	BAI3_2157	-	GTGACCTATGCACCAGACGTCAAGAAAGTAACATTACGTAGCTATACATCACACCCCAGGAGATCGGAAGAGCGGTTCAG
chr6	70064075	70064114	BAI3_2158	-	GTGACCTATGCACCAGACGTGGGGAACACATTAATTTTCTTCTCTCTTAATAATGACAAGAGATCGGAAGAGCGGTTCAG
chr6	70065663	70065702	BAI3_2159	-	GTGACCTATGCACCAGACGTAAATAATAAGACATAGAACCATCATTTAATGAAGACCTCAAGATCGGAAGAGCGGTTCAG
chr6	70070711	70070750	BAI3_2160	-	GTGACCTATGCACCAGACGTGAATGTAAAGTTGAAGAAAGAGAGTTAATGTGTGTTTATTAGATCGGAAGAGCGGTTCAG
chr6	70082248	70082287	BAI3_2161	-	GTGACCTATGCACCAGACGTTATTTTTAAAAAGAAGGAGAAAAACCAATAAAGTTATGTTAGATCGGAAGAGCGGTTCAG
chr6	70092673	70092712	BAI3_2162	-	GTGACCTATGCACCAGACGTGAACAAGATAGCTCTCATCCCCAACTTGATGTATGTTTTTAGATCGGAAGAGCGGTTCAG
chr6	70098545	70098584	BAI3_2163	-	GTGACCTATGCACCAGACGTGAGAGGGAAAGAGAGTCATTTATGTGATGACCAGGATCACAGATCGGAAGAGCGGTTCAG
chr6	69348896	69348935	BAI3_2164	-	GTGACCTATGCACCAGACGTTACTGTAGAAAAACGAAAGCATTCTTGGAATTGCAGAGTTAGATCGGAAGAGCGGTTCAG
chr6	70071033	70071072	BAI3_2165	-	GTGACCTATGCACCAGACGTTTCTTTCTTGAGGATGGACTATGTCCATGTCAGCCCCTCTAGATCGGAAGAGCGGTTCAG
chr2	215593350	215593389	BARD1_2166	-	GTGACCTATGCACCAGACGTAGATGAACATTTCAAATTGAATTTGCACGGTTTGTGAGAGAGATCGGAAGAGCGGTTCAG
chr2	215595085	215595124	BARD1_2167	-	GTGACCTATGCACCAGACGTTTTAATACAACTTTCATTGTTCTTATTATGACATACTATTAGATCGGAAGAGCGGTTCAG
chr2	215609741	215609780	BARD1_2168	-	GTGACCTATGCACCAGACGTGATTTGAGAGAATTAAGAAATGAATTAGACTAGTTTTGTTAGATCGGAAGAGCGGTTCAG
chr2	215610396	215610435	BARD1_2169	-	GTGACCTATGCACCAGACGTTGAATTTTGGGAGGTGGGGTAGAAAAAATGTTAAATAGATAGATCGGAAGAGCGGTTCAG
chr2	215632156	215632195	BARD1_2170	-	GTGACCTATGCACCAGACGTCAACGTAAAAATTATTTTTAAAATGGACCTATATTCTTGAAGATCGGAAGAGCGGTTCAG
chr2	215633906	215633945	BARD1_2171	-	GTGACCTATGCACCAGACGTGGTTTTTATTCTCATTCTTTCTGTGTTTTACAGTTCTTATAGATCGGAAGAGCGGTTCAG
chr2	215645234	215645273	BARD1_2172	-	GTGACCTATGCACCAGACGTTACTCTGAAATACCATCTCAGAATGAGGCCAACTATAAAGAGATCGGAAGAGCGGTTCAG
chr2	215656971	215657010	BARD1_2173	-	GTGACCTATGCACCAGACGTTCCCTATCTCTCTTAGTTAAATTCATCAGTTAAAAACTGAAGATCGGAAGAGCGGTTCAG
chr2	215661735	215661774	BARD1_2174	-	GTGACCTATGCACCAGACGTACGGTTTGATGTATATAGTACAACTGTATTTTTTACTAGAAGATCGGAAGAGCGGTTCAG
chr2	215674086	215674125	BARD1_2175	-	GTGACCTATGCACCAGACGTAGCTTCTTGGGGGTGGCTGCGAGGGCACGGGTCGCACAGTAGATCGGAAGAGCGGTTCAG
chr2	215645709	215645748	BARD1_2176	-	GTGACCTATGCACCAGACGTGAGCAAATAGAGTCTCCAGACACTAAGAGCAGGAATGAAGAGATCGGAAGAGCGGTTCAG
chr18	60795808	60795847	BCL2_2177	-	GTGACCTATGCACCAGACGTCCTGCCCCAAACAAATATGCAAAAGGTTCACTAAAGCAGTAGATCGGAAGAGCGGTTCAG
chr18	60985232	60985271	BCL2_2178	-	GTGACCTATGCACCAGACGTCCGAGATGCGGGGGTTGGAGTGCGGGTGGGCTCCTGGGGCAGATCGGAAGAGCGGTTCAG
chr18	60985265	60985304	BCL2_2179	-	GTGACCTATGCACCAGACGTTTGGTGATGTGAGTCTGGGCTGAGGCCACAGGTCCGAGATAGATCGGAAGAGCGGTTCAG
chr18	60985541	60985580	BCL2_2180	-	GTGACCTATGCACCAGACGTGCTACCGCCGCGACTTCGCCGAGATGTCCAGCCAGCTGCAAGATCGGAAGAGCGGTTCAG
chr18	60985557	60985596	BCL2_2181	-	GTGACCTATGCACCAGACGTGACGACTTCTCCCGCCGCTACCGCCGCGACTTCGCCGAGAAGATCGGAAGAGCGGTTCAG
chr19	11015577	11015616	CARM1_2182	-	GTGACCTATGCACCAGACGTAGACAGGCTGGCGTGAGCGGTGCAGCCCTGTCAGCTGCCTAGATCGGAAGAGCGGTTCAG
chr19	11018665	11018704	CARM1_2183	-	GTGACCTATGCACCAGACGTGAAGCCAAGTCACCGGGGGGCGGTCAGCAACCCAGCATGTAGATCGGAAGAGCGGTTCAG
chr19	11019729	11019768	CARM1_2184	-	GTGACCTATGCACCAGACGTGACATACCGATGGCACGGGGCACATGGTGGCACGAGGCAGAGATCGGAAGAGCGGTTCAG
chr19	11022810	11022849	CARM1_2185	-	GTGACCTATGCACCAGACGTAGTGGGAGGTGAGAGCGAGACATAGGAGGCGACGGTGATGAGATCGGAAGAGCGGTTCAG
chr19	11024503	11024542	CARM1_2186	-	GTGACCTATGCACCAGACGTGCAGGGCCATGTGGGCTTCCCTGCGTCTTCCTGCCATGGGAGATCGGAAGAGCGGTTCAG
chr19	11027033	11027072	CARM1_2187	-	GTGACCTATGCACCAGACGTGGCAGGGAGGGGTGCTGGCGTCAGGTGACACATCCCACACAGATCGGAAGAGCGGTTCAG
chr19	11027322	11027361	CARM1_2188	-	GTGACCTATGCACCAGACGTGCCCCACCCCCACAGCAAGGTCAGGGCTGCAGAAGAGGCAAGATCGGAAGAGCGGTTCAG
chr19	11030221	11030260	CARM1_2189	-	GTGACCTATGCACCAGACGTCCACAGGTGTGACGTGGCATCTGACGCCAGGGCCAGCATGAGATCGGAAGAGCGGTTCAG
chr19	11030503	11030542	CARM1_2190	-	GTGACCTATGCACCAGACGTAAGGGCAGTGGCTGCTGGGGAAGCCAGACAGGCGCTGCCGAGATCGGAAGAGCGGTTCAG
chr19	11031062	11031101	CARM1_2191	-	GTGACCTATGCACCAGACGTGGGACAGGCACATACTTGACTGGGCCGGCGCCACCACTGGAGATCGGAAGAGCGGTTCAG
chr19	11031285	11031324	CARM1_2192	-	GTGACCTATGCACCAGACGTGGTGCAGGCCGTGGCATGAGCTGCTGGGCAGATGGACCCCAGATCGGAAGAGCGGTTCAG
chr19	11031460	11031499	CARM1_2193	-	GTGACCTATGCACCAGACGTGACAGAGCCATGGGCAGGGGCAAGGGGGTTGCAGGGCCGGAGATCGGAAGAGCGGTTCAG
chr19	11031676	11031715	CARM1_2194	-	GTGACCTATGCACCAGACGTAGAGGGAGACGTCAGGGCTGGAGGCAGAGGGGCCAGGCCTAGATCGGAAGAGCGGTTCAG
chr19	11032001	11032040	CARM1_2195	-	GTGACCTATGCACCAGACGTAGAGGGAGGAAAGAAGGAAGGGAGACGGCGTCACCGCCCCAGATCGGAAGAGCGGTTCAG
chr19	11032241	11032280	CARM1_2196	-	GTGACCTATGCACCAGACGTGGCAATGGCAGTGAGGGGCTGCCCTGGCCCGCCCAGCCCCAGATCGGAAGAGCGGTTCAG
chr12	56360743	56360782	CDK2_2197	-	GTGACCTATGCACCAGACGTCGAGTCGGGTCAGCCCGGCCCTGGAGCGGGGGCCTGGGAAAGATCGGAAGAGCGGTTCAG
chr12	56361591	56361630	CDK2_2198	-	GTGACCTATGCACCAGACGTTTGGGAAAGCAGAGATGGGAATATGGTTACAAATATTCCTAGATCGGAAGAGCGGTTCAG
chr12	56361783	56361822	CDK2_2199	-	GTGACCTATGCACCAGACGTAAAGTTTGAGGAAATGGAGGTGTGTGAGAGAGAGAAATGCAGATCGGAAGAGCGGTTCAG
chr12	56362512	56362551	CDK2_2200	-	GTGACCTATGCACCAGACGTAGAAAGAGAGGACTGTGTTTCTCCATTACAGTGAGCAGACAGATCGGAAGAGCGGTTCAG
chr12	56363209	56363248	CDK2_2201	-	GTGACCTATGCACCAGACGTGGAATAGGGAGGGGCGGGGTGGTTTATAGGGTATGGAAATAGATCGGAAGAGCGGTTCAG
chr12	56364778	56364817	CDK2_2202	-	GTGACCTATGCACCAGACGTGGAAAGAGGAAATACCAAGACCCACGTTGACGTCAGTCAAAGATCGGAAGAGCGGTTCAG
chr12	56365255	56365294	CDK2_2203	-	GTGACCTATGCACCAGACGTAGATGCATGTTGACTTCAATGATGTGATAGTGGACTAAATAGATCGGAAGAGCGGTTCAG
chr22	47082981	47083020	CERK_2204	-	GTGACCTATGCACCAGACGTTCCTGCTCACAAACTGGGAAAGTGTGAAAACTATTTAAGAAGATCGGAAGAGCGGTTCAG

chr22	47085839	47085878	CERK_2205	-	GTGACCTATGCACCAGACGTGGGTCCTCCAGCCACCAGCGCCATCCCCTTGAGCCCTGAGAGATCGGAAGAGCGGTTCAG
chr22	47087419	47087458	CERK_2206	-	GTGACCTATGCACCAGACGTTGCTCTTGCATGGAGCCTCCACTGGCGAGTAATTTATGTTAGATCGGAAGAGCGGTTCAG
chr22	47089274	47089313	CERK_2207	-	GTGACCTATGCACCAGACGTAAACACAGGCTCAGTGTTGTCACTGTGTGTGCTGGAGTGCAGATCGGAAGAGCGGTTCAG
chr22	47091057	47091096	CERK_2208	-	GTGACCTATGCACCAGACGTTGCTTTGTGTGTTTCTCTTGCAAATGACGGGAAATGAAGCAGATCGGAAGAGCGGTTCAG
chr22	47095160	47095199	CERK_2209	-	GTGACCTATGCACCAGACGTATAATGCAGACTCGCTCCCCGCTGGTCGTGCCCCGACTGCAGATCGGAAGAGCGGTTCAG
chr22	47097483	47097522	CERK_2210	-	GTGACCTATGCACCAGACGTCCTCTGCGCATGCGCACGGTGGCAGCCGGGCCTCCTGCGCAGATCGGAAGAGCGGTTCAG
chr22	47103690	47103729	CERK_2211	-	GTGACCTATGCACCAGACGTGGCCTGGCATTCTCTGTTCTCTTCGTTCCCGTCCTTAGGAAGATCGGAAGAGCGGTTCAG
chr22	47106933	47106972	CERK_2212	-	GTGACCTATGCACCAGACGTCGTCTTTCATCGCCATCAAGTCCATTGTTAATGAAAAAGTAGATCGGAAGAGCGGTTCAG
chr22	47108015	47108054	CERK_2213	-	GTGACCTATGCACCAGACGTCTATGTTAACTATGTAGAAGTAAGTTTGAGAATGATTCAAAGATCGGAAGAGCGGTTCAG
chr22	47115933	47115972	CERK_2214	-	GTGACCTATGCACCAGACGTGTTTGGACTGAGAGACAGGATGGCCGTGGTGGCATGCGCAAGATCGGAAGAGCGGTTCAG
chr22	47116749	47116788	CERK_2215	-	GTGACCTATGCACCAGACGTTAAATGTCTTCTCCCACATTCTTCATTAATTCTATGTAGAAGATCGGAAGAGCGGTTCAG
chr11	46354776	46354815	DGKZ_2216	-	GTGACCTATGCACCAGACGTCCTTCCGCCCGCGGCTCCTGCGGCCTTTCGGGCACCCGCTAGATCGGAAGAGCGGTTCAG
chr11	46367027	46367066	DGKZ_2217	-	GTGACCTATGCACCAGACGTGACCCCGGCCGCTCCCCTTCTTCCGTCCCCAGCGCCTCCAAGATCGGAAGAGCGGTTCAG
chr11	46387757	46387796	DGKZ_2218	-	GTGACCTATGCACCAGACGTTGGCTGTTGGGCACAGAGACCGGGAGCATCAGGAGCTGGAAGATCGGAAGAGCGGTTCAG
chr11	46388791	46388830	DGKZ_2219	-	GTGACCTATGCACCAGACGTGAAGACAGCTGAGGAGGGGGCTGAGCACTTGCTGACCCTAAGATCGGAAGAGCGGTTCAG
chr11	46389152	46389191	DGKZ_2220	-	GTGACCTATGCACCAGACGTGATGGGCTTGCTCAGCACACGCTGGCCGCCCAGCCCTCCCAGATCGGAAGAGCGGTTCAG
chr11	46389502	46389541	DGKZ_2221	-	GTGACCTATGCACCAGACGTGGAAGAGAGGGCCCCTGAGGCACCAGGTAAGTCTATCTCGAGATCGGAAGAGCGGTTCAG
chr11	46389505	46389544	DGKZ_2222	-	GTGACCTATGCACCAGACGTACAGGAAGAGAGGGCCCCTGAGGCACCAGGTAAGTCTATCAGATCGGAAGAGCGGTTCAG
chr11	46390994	46391033	DGKZ_2223	-	GTGACCTATGCACCAGACGTTGGCAGTGACCACCAAAATGTCAGAACCTCCCTTCGGGGTAGATCGGAAGAGCGGTTCAG
chr11	46391441	46391480	DGKZ_2224	-	GTGACCTATGCACCAGACGTAGGGGAAAAATTTCACTGGGTGAGGGGTGGGCAGGGGCACAGATCGGAAGAGCGGTTCAG
chr11	46392813	46392852	DGKZ_2225	-	GTGACCTATGCACCAGACGTACAGGATGGATGGGAACCAGGGCAGGCGTGGAGCAGCAGAAGATCGGAAGAGCGGTTCAG
chr11	46392987	46393026	DGKZ_2226	-	GTGACCTATGCACCAGACGTCGAGGGGCCGGGCTCAGCGGGACCGTGTTCAGACTCGGGGAGATCGGAAGAGCGGTTCAG
chr11	46393204	46393243	DGKZ_2227	-	GTGACCTATGCACCAGACGTAGCAGGGGTGTTGGTGACGAGGTGGGCAGGCTGGGGTAGCAGATCGGAAGAGCGGTTCAG
chr11	46393575	46393614	DGKZ_2228	-	GTGACCTATGCACCAGACGTAGGTGAGAGGCTGTAAGCTCCTTCCCGTCCAGGACACCCTAGATCGGAAGAGCGGTTCAG
chr11	46393928	46393967	DGKZ_2229	-	GTGACCTATGCACCAGACGTTGGGGAGCCAAGAGACAGTCAGGCAGTGGTGGGACGAAGTAGATCGGAAGAGCGGTTCAG
chr11	46394117	46394156	DGKZ_2230	-	GTGACCTATGCACCAGACGTGGGAAGATGGCAGTGGGGTCAGGGGATGTGTGCTGTACCCAGATCGGAAGAGCGGTTCAG
chr11	46394271	46394310	DGKZ_2231	-	GTGACCTATGCACCAGACGTAAGAACAGAGGCAAATCAGGCCCACAGGGACCCCGGCTTCAGATCGGAAGAGCGGTTCAG
chr11	46394461	46394500	DGKZ_2232	-	GTGACCTATGCACCAGACGTAGGCAGGGACTGAGCCCTCTGTGGCTGGAGAGGCCCCAGCAGATCGGAAGAGCGGTTCAG
chr11	46395657	46395696	DGKZ_2233	-	GTGACCTATGCACCAGACGTGTCAAGGGACCAAAATGAGGGCTGGGCCTCACAAATGTCCAGATCGGAAGAGCGGTTCAG
chr11	46395899	46395938	DGKZ_2234	-	GTGACCTATGCACCAGACGTACAAGCAGTGGGGGCCAGTGAGTCACCCCAGCCTGCCCAGAGATCGGAAGAGCGGTTCAG
chr11	46396104	46396143	DGKZ_2235	-	GTGACCTATGCACCAGACGTCAGAGGGCGTCACCATCTGCTGACAGAGATCTTTCCTCACAGATCGGAAGAGCGGTTCAG
chr11	46396266	46396305	DGKZ_2236	-	GTGACCTATGCACCAGACGTGCGGGGAGGGTGTTGAGGTGCATGTGCCAGGTGGCCTCCGAGATCGGAAGAGCGGTTCAG
chr11	46396434	46396473	DGKZ_2237	-	GTGACCTATGCACCAGACGTGGGCGATGACATGGGCCTCAAAACACAGTCTCTGCAGGACAGATCGGAAGAGCGGTTCAG
chr11	46396932	46396971	DGKZ_2238	-	GTGACCTATGCACCAGACGTAGGAAGCTTGGGTCAGATGGCACCAGGGCTGGGGGCAGGGAGATCGGAAGAGCGGTTCAG
chr11	46397351	46397390	DGKZ_2239	-	GTGACCTATGCACCAGACGTGGGCCGGCAAGCGGGGGCTCAGCAAGGGCCCTGCCTTGGTAGATCGGAAGAGCGGTTCAG
chr11	46397566	46397605	DGKZ_2240	-	GTGACCTATGCACCAGACGTGAGCACCTGTCAGCAGCTGGCTGCACCCCACAGCCCTGCCAGATCGGAAGAGCGGTTCAG
chr11	46397828	46397867	DGKZ_2241	-	GTGACCTATGCACCAGACGTAAGCAAAGGCCAGGCTGGGATAGAGTGGGGGCCAGGGAGGAGATCGGAAGAGCGGTTCAG
chr11	46398024	46398063	DGKZ_2242	-	GTGACCTATGCACCAGACGTGAGGGCAGCTGAGGATCAGGGAGTGCCATGTCCAGGCCCAAGATCGGAAGAGCGGTTCAG
chr11	46398573	46398612	DGKZ_2243	-	GTGACCTATGCACCAGACGTAGGTCAGGGCGGGAGGTCAGGGCACCTGACGGTGGGGGCCAGATCGGAAGAGCGGTTCAG
chr11	46399698	46399737	DGKZ_2244	-	GTGACCTATGCACCAGACGTGCATGATGTGCTGTGACCGGCTACGGCACAGGCCAGCTGGAGATCGGAAGAGCGGTTCAG
chr11	46399957	46399996	DGKZ_2245	-	GTGACCTATGCACCAGACGTTACCTGCCTGTTACTCTGCAGTCGGAGGCCTGGGCTTGGGAGATCGGAAGAGCGGTTCAG
chr11	46400491	46400530	DGKZ_2246	-	GTGACCTATGCACCAGACGTGAGGCATGGCAGGGCTGGACCTCCTGGGGCCACCCCTCCTAGATCGGAAGAGCGGTTCAG
chr11	46400703	46400742	DGKZ_2247	-	GTGACCTATGCACCAGACGTGGAGGTGGTGGTCAGAGAGGCCTGGCAGCCCCTCCTCCTCAGATCGGAAGAGCGGTTCAG
chr11	46400969	46401008	DGKZ_2248	-	GTGACCTATGCACCAGACGTAGGGGCTGGCTGTGTACCCCATCCCGTCCCCTGATCCACCAGATCGGAAGAGCGGTTCAG
chr11	46401331	46401370	DGKZ_2249	-	GTGACCTATGCACCAGACGTGCGGAGCTGCGATCAGCAGGGGCCAGAGGCAGGCCTAACCAGATCGGAAGAGCGGTTCAG
chr11	46388121	46388160	DGKZ_2250	-	GTGACCTATGCACCAGACGTCTCATTCATGCCCACAAGCCCGGTCAACAGCAGGGGTGCAAGATCGGAAGAGCGGTTCAG
chr20	32264488	32264527	E2F1_2251	-	GTGACCTATGCACCAGACGTAGGGACCAGGGTTTCCAGAGATGCTCACCTTGTCTCTGCAAGATCGGAAGAGCGGTTCAG
chr20	32264861	32264900	E2F1_2252	-	GTGACCTATGCACCAGACGTGGTAGGTGGGTGGGGTGGGGCAGGGCCCCTCTTCTGGGGGAGATCGGAAGAGCGGTTCAG
chr20	32265957	32265996	E2F1_2253	-	GTGACCTATGCACCAGACGTATTGGCCGTAGGGTGTGGAAGGCAGGCTTAGCAGGCAGGGAGATCGGAAGAGCGGTTCAG
chr20	32267511	32267550	E2F1_2254	-	GTGACCTATGCACCAGACGTGCCACACAGGAGGGCAGGCACACCTGCCCATGCCAGCCTGAGATCGGAAGAGCGGTTCAG
chr20	32268082	32268121	E2F1_2255	-	GTGACCTATGCACCAGACGTAGCTTGGGCTGGGCAGACCCCCTGTGACCAGGCCCAGGTTAGATCGGAAGAGCGGTTCAG
chr20	32273760	32273799	E2F1_2256	-	GTGACCTATGCACCAGACGTCAGGGACGCCGCGCCGACAGCGCCGCCTGTGCCCCCCGCGAGATCGGAAGAGCGGTTCAG
chr3	89156849	89156888	EPHA3_2257	-	GTGACCTATGCACCAGACGTCAGAGGGCAGTGAGAGGAGCATATCTCCATGAAGCATGCCAGATCGGAAGAGCGGTTCAG
chr3	89176309	89176348	EPHA3_2258	-	GTGACCTATGCACCAGACGTACATAATACACAAACACAGTTAATAACAGTGAATTATTTCAGATCGGAAGAGCGGTTCAG
chr3	89258960	89258999	EPHA3_2259	-	GTGACCTATGCACCAGACGTAAAGAGAAACAGAGAGTGAGGCAGAATTAATGATAATAACAGATCGGAAGAGCGGTTCAG
chr3	89390016	89390055	EPHA3_2260	-	GTGACCTATGCACCAGACGTAATGACTCTCTTTTAAAAGTCTGTGATAATTTTTTTGAAAAGATCGGAAGAGCGGTTCAG
chr3	89390855	89390894	EPHA3_2261	-	GTGACCTATGCACCAGACGTGTTCAACAAAGATTAATGAGCCTCACTTCTGTTTTCTACTAGATCGGAAGAGCGGTTCAG
chr3	89444937	89444976	EPHA3_2262	-	GTGACCTATGCACCAGACGTAGGATGGGAGGGGAAGGTGGAAGGAAGCAAATTAATGGGTAGATCGGAAGAGCGGTTCAG

chr3	89448418	89448457	EPHA3_2263	-	GTGACCTATGCACCAGACGTAGAAAAAAAAATTCATGTTAAAATCAAATCTTCATAATGCAGATCGGAAGAGCGGTTCAG
chr3	89456369	89456408	EPHA3_2264	-	GTGACCTATGCACCAGACGTGAAGAGAAAAAATAAGAACAGGTATTATAATCATGACTAAAGATCGGAAGAGCGGTTCAG
chr3	89457167	89457206	EPHA3_2265	-	GTGACCTATGCACCAGACGTATCAAGGAAAGCGAACACATAAGAGGAATATATTTAAAATAGATCGGAAGAGCGGTTCAG
chr3	89462241	89462280	EPHA3_2266	-	GTGACCTATGCACCAGACGTAAAGAAAGAAAGGCGCAATTGTAGCTAGATTTGTACAAACAGATCGGAAGAGCGGTTCAG
chr3	89468305	89468344	EPHA3_2267	-	GTGACCTATGCACCAGACGTGCAGAACAGCAACAAAATGTAAGGAATTCTATAATAAAAAAGATCGGAAGAGCGGTTCAG
chr3	89478206	89478245	EPHA3_2268	-	GTGACCTATGCACCAGACGTAGTAAATAATAAATAATAATCAGTACAGTTCAAGTATTATAGATCGGAAGAGCGGTTCAG
chr3	89480250	89480289	EPHA3_2269	-	GTGACCTATGCACCAGACGTTTTCAAATGTACAATTAAGATACGTTCCTATTTCTTAAAGAGATCGGAAGAGCGGTTCAG
chr3	89498325	89498364	EPHA3_2270	-	GTGACCTATGCACCAGACGTAAAATCATGTCTACATAAATCAGCAATGCATAGAACATATAGATCGGAAGAGCGGTTCAG
chr3	89499277	89499316	EPHA3_2271	-	GTGACCTATGCACCAGACGTAGCAAAGTTTTCAGGAACCAGGAAGTTTTCAGGAAGTGTCAGATCGGAAGAGCGGTTCAG
chr3	89521564	89521603	EPHA3_2272	-	GTGACCTATGCACCAGACGTAAAAACACCAAAGGGAGACAGATCAGGAGTCAGCAGAGTTAGATCGGAAGAGCGGTTCAG
chr3	89528497	89528536	EPHA3_2273	-	GTGACCTATGCACCAGACGTAGAAAACAATATAAGAATCGGTTTCCTCGATAGTGTATAAAGATCGGAAGAGCGGTTCAG
chr3	89259290	89259329	EPHA3_2274	-	GTGACCTATGCACCAGACGTCCAAGATCCATTTGAGTGAAACTTTCATCAGCTGCAATGGAGATCGGAAGAGCGGTTCAG
chr7	100318554	100318593	EPO_2275	-	GTGACCTATGCACCAGACGTGGCCGGGGTCCCTCAGCGACCTGGGGCGCGCCGGGTGACCAGATCGGAAGAGCGGTTCAG
chr7	100319131	100319170	EPO_2276	-	GTGACCTATGCACCAGACGTTAGCCAGGCTGAGAGTCAGGCGGGGAGGGAGAAGGGTGGCAGATCGGAAGAGCGGTTCAG
chr7	100319535	100319574	EPO_2277	-	GTGACCTATGCACCAGACGTCACAGCCCGGGGAGTCAAGGGTCCCTGAAGGCTCTGGCCCAGATCGGAAGAGCGGTTCAG
chr7	100320237	100320276	EPO_2278	-	GTGACCTATGCACCAGACGTTGGACTCTGGGAGTCAGCTGACCCATGTCACCCTCTCCCTAGATCGGAAGAGCGGTTCAG
chr7	100320551	100320590	EPO_2279	-	GTGACCTATGCACCAGACGTGAAAACAGGAGGTCGCTGCAGTGCCACAGAAAGGGAAGGAAGATCGGAAGAGCGGTTCAG
chr2	212248290	212248329	ERBB4_2280	-	GTGACCTATGCACCAGACGTGGTTTTTTAGGTGGAGAGACACACCTGCTCCAATTTCCCCAGATCGGAAGAGCGGTTCAG
chr2	212251528	212251567	ERBB4_2281	-	GTGACCTATGCACCAGACGTATTATTCAGAAACGATCGCCATTCGAAGTTCACTTCCATCAGATCGGAAGAGCGGTTCAG
chr2	212252620	212252659	ERBB4_2282	-	GTGACCTATGCACCAGACGTCACAATCAACCTTCATCTTTTAGGATTTTCGGTCTTTGCTAGATCGGAAGAGCGGTTCAG
chr2	212285116	212285155	ERBB4_2283	-	GTGACCTATGCACCAGACGTATTATATACACATATCATATTCTTTCTGAGATATAAAATCAGATCGGAAGAGCGGTTCAG
chr2	212286682	212286721	ERBB4_2284	-	GTGACCTATGCACCAGACGTTTGACTTATGCCTTTAAGACTAGGCCAATGGCAAACTCACAGATCGGAAGAGCGGTTCAG
chr2	212288830	212288869	ERBB4_2285	-	GTGACCTATGCACCAGACGTAAAATAATGTTATCACCATCATCATTCTTAGTAAAGTAATAGATCGGAAGAGCGGTTCAG
chr2	212293083	212293122	ERBB4_2286	-	GTGACCTATGCACCAGACGTCTTCTTTGCGAATTAAAGCTTGTAAAGCAAAAATACATATAGATCGGAAGAGCGGTTCAG
chr2	212295620	212295659	ERBB4_2287	-	GTGACCTATGCACCAGACGTTTTTGAGAGCAATCTTGCTTGAAAATATAGTATAATATCCAGATCGGAAGAGCGGTTCAG
chr2	212426578	212426617	ERBB4_2288	-	GTGACCTATGCACCAGACGTGTCAATTTCTATGGAAATTACATTTTTAGGTTAATATTTCAGATCGGAAGAGCGGTTCAG
chr2	212483852	212483891	ERBB4_2289	-	GTGACCTATGCACCAGACGTACACCCAGGCAATCACATTTTTCTCCATTATCAAATAGCCAGATCGGAAGAGCGGTTCAG
chr2	212488597	212488636	ERBB4_2290	-	GTGACCTATGCACCAGACGTAACAACGCATATCGTTAGTTAAGTTTTGTTTTAGATGTTTAGATCGGAAGAGCGGTTCAG
chr2	212495137	212495176	ERBB4_2291	-	GTGACCTATGCACCAGACGTTCTTTCTCCTCTTCATGTGTTTGGGGATTTTCATCAGGTTAGATCGGAAGAGCGGTTCAG
chr2	212522429	212522468	ERBB4_2292	-	GTGACCTATGCACCAGACGTCCATGTTTCCATTTTGTCGCTCAAATCCTTTCCTAGTTATAGATCGGAAGAGCGGTTCAG
chr2	212529998	212530037	ERBB4_2293	-	GTGACCTATGCACCAGACGTTTGCTGGCCAAGGGCTCACCTGGTATGTGTTATCCACATGAGATCGGAAGAGCGGTTCAG
chr2	212537839	212537878	ERBB4_2294	-	GTGACCTATGCACCAGACGTAGACATCTGTGGTGTGTTGGCTTATTTAGTATCATGTATGAGATCGGAAGAGCGGTTCAG
chr2	212543727	212543766	ERBB4_2295	-	GTGACCTATGCACCAGACGTTTCTAGGGTTGCCTTCACCTCATGAGCTTTGAAGGACTGAAGATCGGAAGAGCGGTTCAG
chr2	212566642	212566681	ERBB4_2296	-	GTGACCTATGCACCAGACGTTACTCAGACATTTAAAACATAGAAACTTAAATTTTTTCCCAGATCGGAAGAGCGGTTCAG
chr2	212568779	212568818	ERBB4_2297	-	GTGACCTATGCACCAGACGTATGTTTAAAGCTGCAGGGCTCACAGATTTCAAGAGGAGCAAGATCGGAAGAGCGGTTCAG
chr2	212576725	212576764	ERBB4_2298	-	GTGACCTATGCACCAGACGTAATTTTTGTGCAAGTTATTTTACAAAGTGTAGACAAAACTAGATCGGAAGAGCGGTTCAG
chr2	212578210	212578249	ERBB4_2299	-	GTGACCTATGCACCAGACGTGCTCAGATTATTTAGTTAGAACTGGGCCTATATAACAAGGAGATCGGAAGAGCGGTTCAG
chr2	212587068	212587107	ERBB4_2300	-	GTGACCTATGCACCAGACGTGAATAAGAATAACCAAATTAATTAGGTCATTATTTGAAATAGATCGGAAGAGCGGTTCAG
chr2	212589751	212589790	ERBB4_2301	-	GTGACCTATGCACCAGACGTGATTTCTCTCTTTTATTATCCTGCTCTCCTTTCCTTCCCTAGATCGGAAGAGCGGTTCAG
chr2	212615314	212615353	ERBB4_2302	-	GTGACCTATGCACCAGACGTATCAGTGAGAGCACACAGGTTTGATGTGGTCAAGGAATTTAGATCGGAAGAGCGGTTCAG
chr2	212652700	212652739	ERBB4_2303	-	GTGACCTATGCACCAGACGTTTATTCTTTTTAATTTCTCAAAATGTTCTACCCTATGTGGAGATCGGAAGAGCGGTTCAG
chr2	212812105	212812144	ERBB4_2304	-	GTGACCTATGCACCAGACGTTATCCAAAATGGCAAATATGCTTTCATTATCAATATAAGGAGATCGGAAGAGCGGTTCAG
chr2	212989427	212989466	ERBB4_2305	-	GTGACCTATGCACCAGACGTGGCTTTCTTTCTCTTCTTTGTGAATGGACAGTGGCGTCATAGATCGGAAGAGCGGTTCAG
chr2	213403123	213403162	ERBB4_2306	-	GTGACCTATGCACCAGACGTTCTGGCACTCCGGTCGCCGAACCTGCAGCCGCCGGCGGGGAGATCGGAAGAGCGGTTCAG
chr6	35420273	35420312	FANCE_2307	-	GTGACCTATGCACCAGACGTGGGTGCCGCGCCGCCCCCTACTCTGGTGTGGGGCCTCAGCAGATCGGAAGAGCGGTTCAG
chr6	35423474	35423513	FANCE_2308	-	GTGACCTATGCACCAGACGTGAGGGAGAGCAAGCAGTTAAGTGTTTGGCTGAAGGGAGCAAGATCGGAAGAGCGGTTCAG
chr6	35425283	35425322	FANCE_2309	-	GTGACCTATGCACCAGACGTGAGCCCAGTCACTGCTACGTCCCTCCCCCTGCAGCATGACAGATCGGAAGAGCGGTTCAG
chr6	35425643	35425682	FANCE_2310	-	GTGACCTATGCACCAGACGTAAATCTCATGTTAGGGCTGGCAGAGCCCTCAGTGACAAGTAGATCGGAAGAGCGGTTCAG
chr6	35426024	35426063	FANCE_2311	-	GTGACCTATGCACCAGACGTAGTGCGGGGGGAGAGAGGACACCGGGACATGCACTCTGCCAGATCGGAAGAGCGGTTCAG
chr6	35427058	35427097	FANCE_2312	-	GTGACCTATGCACCAGACGTCAGGGAGGAAAAAATTAATTATTTTCTTCTTCATTTCAACAGATCGGAAGAGCGGTTCAG
chr6	35427409	35427448	FANCE_2313	-	GTGACCTATGCACCAGACGTGACAGCAGAAGGGGAAGTCTGGGGGGAAATGGCAGAAGACAGATCGGAAGAGCGGTTCAG
chr6	35428279	35428318	FANCE_2314	-	GTGACCTATGCACCAGACGTGAGGCCCTAGTGAAAAATGCCTGGCCTCCCACCCAAGCCTAGATCGGAAGAGCGGTTCAG
chr6	35433971	35434010	FANCE_2315	-	GTGACCTATGCACCAGACGTGGAAAAATCATGTCAGGACTCCAGCAACTGATCCCTCCCGAGATCGGAAGAGCGGTTCAG
chr6	35423777	35423816	FANCE_2316	-	GTGACCTATGCACCAGACGTGGGATTTCAACCTCCTGCCCCCCAGGCCCAGCCCCCTACAAGATCGGAAGAGCGGTTCAG
chr1	241663687	241663726	FH_2317	-	GTGACCTATGCACCAGACGTAAGGAATAATAATATCATTTTGAATGCAAAATTAAAAAGCAGATCGGAAGAGCGGTTCAG
chr1	241665693	241665732	FH_2318	-	GTGACCTATGCACCAGACGTAATCTGATTTTTAATGTTTTTTGACCAAAGGCTTATTATCAGATCGGAAGAGCGGTTCAG
chr1	241669253	241669292	FH_2319	-	GTGACCTATGCACCAGACGTACGTGAATTATTTCTCATTTTCATTTCTCATTATACGTGGAGATCGGAAGAGCGGTTCAG
chr1	241671853	241671892	FH_2320	-	GTGACCTATGCACCAGACGTTTGACTAATTTGATTCAATTTAGAGCTTGGTACAAATGGCAGATCGGAAGAGCGGTTCAG

chr1	241675217	241675256	FH_2321	-	GTGACCTATGCACCAGACGTGAGCTTTGCTGTTTTTTGGTTATAAATTGAAAAGCATACCAGATCGGAAGAGCGGTTCAG
chr1	241676853	241676892	FH_2322	-	GTGACCTATGCACCAGACGTATAAGTGTGTTTGCTTAATAACCTCAGACCCATGCCATACAGATCGGAAGAGCGGTTCAG
chr1	241680432	241680471	FH_2323	-	GTGACCTATGCACCAGACGTTTTGTGGAAATGTTGGCTATTTTGGATGAAGTAGGCTGTAAGATCGGAAGAGCGGTTCAG
chr1	241682841	241682880	FH_2324	-	GTGACCTATGCACCAGACGTGCCGCCATCCCCCGGCCTCCCCGCAGTGACCTTCAGCCCTAGATCGGAAGAGCGGTTCAG
chr5	180030142	180030181	FLT4_2325	-	GTGACCTATGCACCAGACGTACAAGACCCCCAGCACTTGGGGGTTCAGGCCCGGCAGGGCAGATCGGAAGAGCGGTTCAG
chr5	180035918	180035957	FLT4_2326	-	GTGACCTATGCACCAGACGTCGTGAGCCTCCTGCACTGCAGGTATCGATGTTGCCCTCCCAGATCGGAAGAGCGGTTCAG
chr5	180036855	180036894	FLT4_2327	-	GTGACCTATGCACCAGACGTTGAAGGGTGGGGGCTGCGCTCTCGGCTCAGGGCTGGGGCCAGATCGGAAGAGCGGTTCAG
chr5	180038281	180038320	FLT4_2328	-	GTGACCTATGCACCAGACGTCTGCAGGTCCAGGAGTAGGGTGGGAGAAAGCCATGTGGACAGATCGGAAGAGCGGTTCAG
chr5	180039456	180039495	FLT4_2329	-	GTGACCTATGCACCAGACGTTCCCCACCCTGTTCTACTATGGCCTTTGGCCCCTGCCCTGAGATCGGAAGAGCGGTTCAG
chr5	180039961	180040000	FLT4_2330	-	GTGACCTATGCACCAGACGTCCATGGCCCTGCAGGTTTTGGGGACAGCAAGCGTCGGGGGAGATCGGAAGAGCGGTTCAG
chr5	180041018	180041057	FLT4_2331	-	GTGACCTATGCACCAGACGTGATGGGGTGCCGGTGGGGAGAGGAGGCGAGGTCACTGGCGAGATCGGAAGAGCGGTTCAG
chr5	180043317	180043356	FLT4_2332	-	GTGACCTATGCACCAGACGTGCCATTGAGGAGAGGGAACGTGGGGCGGAACAGGTGAAGGAGATCGGAAGAGCGGTTCAG
chr5	180043850	180043889	FLT4_2333	-	GTGACCTATGCACCAGACGTCCCGAAGGCCCTTCAGACGGGAAAAGGGTGCATCCCCACCAGATCGGAAGAGCGGTTCAG
chr5	180045720	180045759	FLT4_2334	-	GTGACCTATGCACCAGACGTGGCCTCTTCCCTTTTCCTAGTGCCTGACGGGCCCGGTTATAGATCGGAAGAGCGGTTCAG
chr5	180046615	180046654	FLT4_2335	-	GTGACCTATGCACCAGACGTAGCGGGCGGAAGGGGCAGCCTAGCTGGTGAGGAGCAGCAGAGATCGGAAGAGCGGTTCAG
chr5	180047123	180047162	FLT4_2336	-	GTGACCTATGCACCAGACGTCACCAGCCTGCCCAACCCACACCTCCTGCCCGACCCACCTAGATCGGAAGAGCGGTTCAG
chr5	180047559	180047598	FLT4_2337	-	GTGACCTATGCACCAGACGTCTCCCCGCTCCTGATGGAGTCTCTCTCAGGCCTTCCCCACAGATCGGAAGAGCGGTTCAG
chr5	180047826	180047865	FLT4_2338	-	GTGACCTATGCACCAGACGTAGGCTGCACCCCTCAACTCCCTTCCCGTCCCCAGTTAACGAGATCGGAAGAGCGGTTCAG
chr5	180048056	180048095	FLT4_2339	-	GTGACCTATGCACCAGACGTTGGCCCTGGCGAAGGGCAGGTCCGGAGGCCCGCGAGGCCGAGATCGGAAGAGCGGTTCAG
chr5	180048492	180048531	FLT4_2340	-	GTGACCTATGCACCAGACGTCCGCGGGGAGGGCGGGGACGCGCTCTCTTCTAGCAGTAGCAGATCGGAAGAGCGGTTCAG
chr5	180049681	180049720	FLT4_2341	-	GTGACCTATGCACCAGACGTAGACCAGGGCGGGGAGGCCTGGGTACAGGGTCAGGAGGGGAGATCGGAAGAGCGGTTCAG
chr5	180050885	180050924	FLT4_2342	-	GTGACCTATGCACCAGACGTGCCGCGCTGCTGAGTGCCCAGGGAGAAGGAGAAGGGAGGAAGATCGGAAGAGCGGTTCAG
chr5	180052819	180052858	FLT4_2343	-	GTGACCTATGCACCAGACGTCTCCAGCCTCAGGTCCCCTGCACAGCCACAGCCCCCAGCCAGATCGGAAGAGCGGTTCAG
chr5	180053061	180053100	FLT4_2344	-	GTGACCTATGCACCAGACGTGACGGGAGAGCGCACGGGTGGGCGGCCTGGCATTGGAGGCAGATCGGAAGAGCGGTTCAG
chr5	180055832	180055871	FLT4_2345	-	GTGACCTATGCACCAGACGTTGGCTCCCCACCGACCCCGCCGATACCCTTCCAAGTCCAGAGATCGGAAGAGCGGTTCAG
chr5	180056209	180056248	FLT4_2346	-	GTGACCTATGCACCAGACGTGGAAACCAGGGTCCTTGTGCCCTGTGGGCCTGGGCCCAGAAGATCGGAAGAGCGGTTCAG
chr5	180056646	180056685	FLT4_2347	-	GTGACCTATGCACCAGACGTCAGCGCTGCCAGGCTGTCCTGTCCCCAGGAGTCCCTGTGAAGATCGGAAGAGCGGTTCAG
chr5	180056893	180056932	FLT4_2348	-	GTGACCTATGCACCAGACGTTGTGCCCCGTTCCCAGTAACGGGGCTGTCACTGCCTCACTAGATCGGAAGAGCGGTTCAG
chr5	180057175	180057214	FLT4_2349	-	GTGACCTATGCACCAGACGTACCCCAACCCCAGCATCCGACCCTCCCATCCCACCCCTGGAGATCGGAAGAGCGGTTCAG
chr5	180057505	180057544	FLT4_2350	-	GTGACCTATGCACCAGACGTGAGGCGGGCCAGGCTGGAGCAGGGTCCCGGGCAGCTGGGGAGATCGGAAGAGCGGTTCAG
chr5	180058632	180058671	FLT4_2351	-	GTGACCTATGCACCAGACGTCCTCTCCCACTGGCAGGCCAGAGAGGCTGCACAAGCCCAAAGATCGGAAGAGCGGTTCAG
chr5	180076438	180076477	FLT4_2352	-	GTGACCTATGCACCAGACGTCGAACGGGCCACCCGCCCGAGCGTGGGGCTGGCCGGGGAGAGATCGGAAGAGCGGTTCAG
chr2	227659676	227659715	IRS1_2353	-	GTGACCTATGCACCAGACGTCATCACAGCAGGTGCGTTTCATGGTGACAAAGTCAGAAGAAGATCGGAAGAGCGGTTCAG
chr2	227660142	227660181	IRS1_2354	-	GTGACCTATGCACCAGACGTCCACAAGGGTGCCGGCGGAGGCATAGCTCCGAGACTTTCTAGATCGGAAGAGCGGTTCAG
chr2	227660608	227660647	IRS1_2355	-	GTGACCTATGCACCAGACGTTGGCACTGAGGAGTACATGAAGATGGACCTGGGGCCGGGCAGATCGGAAGAGCGGTTCAG
chr2	227661074	227661113	IRS1_2356	-	GTGACCTATGCACCAGACGTAGGAGGGTGCCCGGCATCAGCACCTCCGCCTTTCCACTAGAGATCGGAAGAGCGGTTCAG
chr2	227661540	227661579	IRS1_2357	-	GTGACCTATGCACCAGACGTCGAAAGGGCAGTGGAGACTATATGCCCATGAGCCCCAAGAAGATCGGAAGAGCGGTTCAG
chr2	227662006	227662045	IRS1_2358	-	GTGACCTATGCACCAGACGTCAAGGGGCCCTCCACCCTGACCGCCCCCAACGGTCACTACAGATCGGAAGAGCGGTTCAG
chr2	227662472	227662511	IRS1_2359	-	GTGACCTATGCACCAGACGTGCATGGTGGGCGGGAAGCCAGGCTCCTTCCGTGTCCGCGCAGATCGGAAGAGCGGTTCAG
chr2	227662938	227662977	IRS1_2360	-	GTGACCTATGCACCAGACGTTTCAAAGAGGTCTGGCAAGTGATCCTGAAGCCCAAGGGCCAGATCGGAAGAGCGGTTCAG
chr22	22123443	22123482	MAPK1_2361	-	GTGACCTATGCACCAGACGTTACCTGGAGTTTAATACAGTGAGCTCTAGCAAGGGAGGCGAGATCGGAAGAGCGGTTCAG
chr22	22127112	22127151	MAPK1_2362	-	GTGACCTATGCACCAGACGTATGTTCCTGGCTGCTGCTTCAGGGACATAGATCAGCCAGCAGATCGGAAGAGCGGTTCAG
chr22	22142496	22142535	MAPK1_2363	-	GTGACCTATGCACCAGACGTTTTCGTTGATTAGTTTTTTCTTAGGCTTAGCTTCGCGTTTAGATCGGAAGAGCGGTTCAG
chr22	22142933	22142972	MAPK1_2364	-	GTGACCTATGCACCAGACGTCGAGCCCTTCAGGAGCTAGATTTACTCAAGTTTGTACAGCAGATCGGAAGAGCGGTTCAG
chr22	22153251	22153290	MAPK1_2365	-	GTGACCTATGCACCAGACGTAGTTTGCATAAAAAGAAATCCAGTAAGTAAGAGAACTTTCAGATCGGAAGAGCGGTTCAG
chr22	22160089	22160128	MAPK1_2366	-	GTGACCTATGCACCAGACGTTTATTTACTATTAAGGTGATATATATTGAAAAACCCTTTCAGATCGGAAGAGCGGTTCAG
chr22	22161903	22161942	MAPK1_2367	-	GTGACCTATGCACCAGACGTTAGGCAACTGGCCAATTCCACTGCTTGGTAACCTTGTTGAAGATCGGAAGAGCGGTTCAG
chr8	90947760	90947799	NBN_2368	-	GTGACCTATGCACCAGACGTTAAAAAGAAGCCATGGAAAAACTTCCTAGTAAGCATCTACAGATCGGAAGAGCGGTTCAG
chr8	90949204	90949243	NBN_2369	-	GTGACCTATGCACCAGACGTATTCACCTTTCTCATGTACCTTTGAGAGATGTATATAAAAAGATCGGAAGAGCGGTTCAG
chr8	90955431	90955470	NBN_2370	-	GTGACCTATGCACCAGACGTAGTGAGGCCCAGAAACTTGCTTAAATTGCACTTTGGTCCAAGATCGGAAGAGCGGTTCAG
chr8	90958318	90958357	NBN_2371	-	GTGACCTATGCACCAGACGTCAACTGTATCACAAGAGGTCAGTGTTTGAAATGTTTTTAGAGATCGGAAGAGCGGTTCAG
chr8	90960002	90960041	NBN_2372	-	GTGACCTATGCACCAGACGTTTTTATTAATTTTTATACAGATTTGGCTTACGGGGACTGTAGATCGGAAGAGCGGTTCAG
chr8	90965422	90965461	NBN_2373	-	GTGACCTATGCACCAGACGTTTTTAAATGAGAGGTATAGTACATAGAAGCTTAGAATGCTAGATCGGAAGAGCGGTTCAG
chr8	90967461	90967500	NBN_2374	-	GTGACCTATGCACCAGACGTGATAACTTCTCTCATGTCTCTGAAAAAAAAATGAAAGTTTAGATCGGAAGAGCGGTTCAG
chr8	90970903	90970942	NBN_2375	-	GTGACCTATGCACCAGACGTTTCATTACCGTACTATTGTTATTATTCTATCAATAAATTAAGATCGGAAGAGCGGTTCAG
chr8	90976588	90976627	NBN_2376	-	GTGACCTATGCACCAGACGTCATTATTTTATTGATTCGTTAGCAACTTTATTATGTAAATAGATCGGAAGAGCGGTTCAG
chr8	90982542	90982581	NBN_2377	-	GTGACCTATGCACCAGACGTATTCTTTATTAGTAAAAAACTGCAAGTAGGAGATTTTATGAGATCGGAAGAGCGGTTCAG
chr8	90983351	90983390	NBN_2378	-	GTGACCTATGCACCAGACGTTATAAGCTAAATTTTCCTAAAGAATACATTACAAACTAGGAGATCGGAAGAGCGGTTCAG

chr8	90990398	90990437	NBN_2379	-	GTGACCTATGCACCAGACGTTATTTTAAATATAACAAGATGTCACTTATATGATAGCATTAGATCGGAAGAGCGGTTCAG
chr8	90992912	90992951	NBN_2380	-	GTGACCTATGCACCAGACGTTGTCTTGTTCTTATGTTAAAAATAAGTTATTTGAATTTAAAGATCGGAAGAGCGGTTCAG
chr8	90993553	90993592	NBN_2381	-	GTGACCTATGCACCAGACGTTTAAAATTGATTTTAAAATGGACAGCTTTGTTTCAGCCAAAGATCGGAAGAGCGGTTCAG
chr8	90994900	90994939	NBN_2382	-	GTGACCTATGCACCAGACGTAATTTTATTTCACTAGTTTCCAGTAAGGGGGTTGAAATCAAGATCGGAAGAGCGGTTCAG
chr8	90996703	90996742	NBN_2383	-	GTGACCTATGCACCAGACGTAAGGGAAGCCTCGGGGCCTATTTTCCCGGTAGCGACTGCCAGATCGGAAGAGCGGTTCAG
chr20	8113249	8113288	PLCB1_2384	-	GTGACCTATGCACCAGACGTCTGGGCTCCGGGCGGCCCGGGCGAGCGCGGCAGGGACTGGAGATCGGAAGAGCGGTTCAG
chr20	8130891	8130930	PLCB1_2385	-	GTGACCTATGCACCAGACGTAAGAAGAAACATGAATATCAACATATATCACTGTAGAAAAAGATCGGAAGAGCGGTTCAG
chr20	8351979	8352018	PLCB1_2386	-	GTGACCTATGCACCAGACGTAAAACGTGAAATCGTTAAGCAACGACACAGACCTTTCCTCAGATCGGAAGAGCGGTTCAG
chr20	8608891	8608930	PLCB1_2387	-	GTGACCTATGCACCAGACGTAATATTGAAAATAATTAGTCTATAACTAGAGATTCCAACGAGATCGGAAGAGCGGTTCAG
chr20	8626699	8626738	PLCB1_2388	-	GTGACCTATGCACCAGACGTTAAATAACACTTGCATTAGCTTAAATACTGCACAGTCATTAGATCGGAAGAGCGGTTCAG
chr20	8629971	8630010	PLCB1_2389	-	GTGACCTATGCACCAGACGTAACACAACAAAGGAGAGAGGTTTAAATGGCACATGGATCAAGATCGGAAGAGCGGTTCAG
chr20	8639135	8639174	PLCB1_2390	-	GTGACCTATGCACCAGACGTTGAAAAACCAAGCAATAAGAATTTTTTAAACTAAGTTTCAAGATCGGAAGAGCGGTTCAG
chr20	8665529	8665568	PLCB1_2391	-	GTGACCTATGCACCAGACGTTGAAGTTAGAAAGGATGTGAATGCATTCTTTTATGGGTGTAGATCGGAAGAGCGGTTCAG
chr20	8678223	8678262	PLCB1_2392	-	GTGACCTATGCACCAGACGTCCAACAAAACAAACCCCAGATTCCCATGAAGCAAGGATGAAGATCGGAAGAGCGGTTCAG
chr20	8689267	8689306	PLCB1_2393	-	GTGACCTATGCACCAGACGTGAACACATGTATATTCAGTATGCCAGAATTTTTCATCTGTAGATCGGAAGAGCGGTTCAG
chr20	8696861	8696900	PLCB1_2394	-	GTGACCTATGCACCAGACGTACAAGAACAGAAGAAGGAAAGTAGGGAGGCTTATCCAAAGAGATCGGAAGAGCGGTTCAG
chr20	8698268	8698307	PLCB1_2395	-	GTGACCTATGCACCAGACGTTGAAAGGCATATTCTTTAAAAATACTGCTCCCTCTTTCAGAGATCGGAAGAGCGGTTCAG
chr20	8702951	8702990	PLCB1_2396	-	GTGACCTATGCACCAGACGTTTAATAACAGATCATCATGTCACCATTTCAACATTTAGCTAGATCGGAAGAGCGGTTCAG
chr20	8705253	8705292	PLCB1_2397	-	GTGACCTATGCACCAGACGTGAATAAAAAAGAAAACATTTCCAGAGTCAGCATTATATTAAGATCGGAAGAGCGGTTCAG
chr20	8707906	8707945	PLCB1_2398	-	GTGACCTATGCACCAGACGTCAACAACAAAACAAAAAAGGGGAAGGTGAGAAATACAATTAGATCGGAAGAGCGGTTCAG
chr20	8709647	8709686	PLCB1_2399	-	GTGACCTATGCACCAGACGTATGTTAAGTAGTGAATACAATTATAAAAATATTTAGTCAAAGATCGGAAGAGCGGTTCAG
chr20	8713835	8713874	PLCB1_2400	-	GTGACCTATGCACCAGACGTAAAACACAAGCCTTATTGTGAGTTTATCTATACTTGGGGTAGATCGGAAGAGCGGTTCAG
chr20	8717625	8717664	PLCB1_2401	-	GTGACCTATGCACCAGACGTAATAAATCAATCAATCCATAAGGAATTTTGATATGCAAATAGATCGGAAGAGCGGTTCAG
chr20	8719858	8719897	PLCB1_2402	-	GTGACCTATGCACCAGACGTCATTAAGGACACACCTGGTTATAAGAATGAACAATTCCAAAGATCGGAAGAGCGGTTCAG
chr20	8720941	8720980	PLCB1_2403	-	GTGACCTATGCACCAGACGTAGAATAATGCTGTGTAGCACATATTTCCTTTCCAATGTTAAGATCGGAAGAGCGGTTCAG
chr20	8737643	8737682	PLCB1_2404	-	GTGACCTATGCACCAGACGTAAATATCCTTTCATTTTCCACATTTCTTTTTATTCTTTTCAGATCGGAAGAGCGGTTCAG
chr20	8741004	8741043	PLCB1_2405	-	GTGACCTATGCACCAGACGTAAAGATAAAATAAATAGCCTCTTCAACTTTTTAAATTTTAAGATCGGAAGAGCGGTTCAG
chr20	8745736	8745775	PLCB1_2406	-	GTGACCTATGCACCAGACGTTGAATATGAAAGCTAAGGGAATGGGAGGGCTGAACATCCAAGATCGGAAGAGCGGTTCAG
chr20	8755136	8755175	PLCB1_2407	-	GTGACCTATGCACCAGACGTACAGAGTTTGACTCACAAAACAGACAGGCCATAACAAGGTAGATCGGAAGAGCGGTTCAG
chr20	8769046	8769085	PLCB1_2408	-	GTGACCTATGCACCAGACGTAAAATGTCAGTTTGCTATTTCAAATGATTGCAAACAGAGCAGATCGGAAGAGCGGTTCAG
chr20	8769230	8769269	PLCB1_2409	-	GTGACCTATGCACCAGACGTAATGGAAGTAAAAGAGAAAAAAGAGGCAAATCAGATGGGAAGATCGGAAGAGCGGTTCAG
chr20	8770115	8770154	PLCB1_2410	-	GTGACCTATGCACCAGACGTATGATGAATACATCATTATACCAATTCATCCAGAATTGACAGATCGGAAGAGCGGTTCAG
chr20	8770772	8770811	PLCB1_2411	-	GTGACCTATGCACCAGACGTGTTACAAGAAACATTACTTTCATCTAAACATTTAAAAGTGAGATCGGAAGAGCGGTTCAG
chr20	8782653	8782692	PLCB1_2412	-	GTGACCTATGCACCAGACGTAAAAAGGGAGGCTGTCATTTTTGTGGCAATGAAATTGATTAGATCGGAAGAGCGGTTCAG
chr20	8862219	8862258	PLCB1_2413	-	GTGACCTATGCACCAGACGTTCAAGAGGGGAGATGACTTGAAGTTGTTTATGTTTCTATAAGATCGGAAGAGCGGTTCAG
chr1	1982020	1982059	PRKCZ_2414	-	GTGACCTATGCACCAGACGTCCCCGCCGCCGTCAGCGCTGCGCCCCGGGAGCTCCGGCCAAGATCGGAAGAGCGGTTCAG
chr1	1986830	1986869	PRKCZ_2415	-	GTGACCTATGCACCAGACGTGGGGACATGGGCATCTGTTACCGTGGGGCATATTTGAATCAGATCGGAAGAGCGGTTCAG
chr1	1987873	1987912	PRKCZ_2416	-	GTGACCTATGCACCAGACGTCAGGAGACGGTGCTGACGTCGCCGAAGGCCCGAGGCAAAGAGATCGGAAGAGCGGTTCAG
chr1	1990930	1990969	PRKCZ_2417	-	GTGACCTATGCACCAGACGTGAGAGAAAGAGACAGCGTCAAGACCCTGCGGCTGCCACTCAGATCGGAAGAGCGGTTCAG
chr1	2066651	2066690	PRKCZ_2418	-	GTGACCTATGCACCAGACGTTATGAGAAAGGTGTAAAGAAACAGCGTGGCAGCCACGAGCAGATCGGAAGAGCGGTTCAG
chr1	2075599	2075638	PRKCZ_2419	-	GTGACCTATGCACCAGACGTGAACAGAGCGTCAGGCCCAGGCCACACTGAGGGGCCAGCGAGATCGGAAGAGCGGTTCAG
chr1	2075728	2075767	PRKCZ_2420	-	GTGACCTATGCACCAGACGTCAGGTCAGCGGGACGAGGCCGTGGCAGCGCTTATGGACCAAGATCGGAAGAGCGGTTCAG
chr1	2077416	2077455	PRKCZ_2421	-	GTGACCTATGCACCAGACGTGACACAGAGATGGCAGCATGACCAAGTGCTAGAGCAGGTGAGATCGGAAGAGCGGTTCAG
chr1	2080261	2080300	PRKCZ_2422	-	GTGACCTATGCACCAGACGTAGGGAGGAAGGAAGGGGCGTTACGGTGTGGTCAGGAACGCAGATCGGAAGAGCGGTTCAG
chr1	2082179	2082218	PRKCZ_2423	-	GTGACCTATGCACCAGACGTAGAACAAGACCCCAGAAAGTGAGAGGGGGGTTCCCGGGAGAGATCGGAAGAGCGGTTCAG
chr1	2087384	2087423	PRKCZ_2424	-	GTGACCTATGCACCAGACGTAACCAGGGAGTGGTAATGAGGCTCCCGAATGCTCCTCACAAGATCGGAAGAGCGGTTCAG
chr1	2100907	2100946	PRKCZ_2425	-	GTGACCTATGCACCAGACGTAGAGGCGCCGGAGGCTGCAGTCACCTCGGCAGACGGCGGCAGATCGGAAGAGCGGTTCAG
chr1	2103444	2103483	PRKCZ_2426	-	GTGACCTATGCACCAGACGTGGATGCCGTCATGGGGGCAGTGCCTGTGCCAGAGGCTGCGAGATCGGAAGAGCGGTTCAG
chr1	2103690	2103729	PRKCZ_2427	-	GTGACCTATGCACCAGACGTAAAGTTACTGGGAGAGGGTTCTTGTAGACACTACCCCGCGAGATCGGAAGAGCGGTTCAG
chr1	2105286	2105325	PRKCZ_2428	-	GTGACCTATGCACCAGACGTGCACACAGCCATCACCGAGTGGGGCCACATGGGCCGGCAGAGATCGGAAGAGCGGTTCAG
chr1	2106143	2106182	PRKCZ_2429	-	GTGACCTATGCACCAGACGTGGAGCCTGGTGAGGACTTGCCTGTGTTGTGTGCCATTTGCAGATCGGAAGAGCGGTTCAG
chr1	2106613	2106652	PRKCZ_2430	-	GTGACCTATGCACCAGACGTGAGTTCAAACAAGGACAAGTCAGCCCCATCCCGGAAGCCCAGATCGGAAGAGCGGTTCAG
chr1	2115972	2116011	PRKCZ_2431	-	GTGACCTATGCACCAGACGTCAATAGGAGAAGGGTCAGCTCCGCGCGGGCATCATCCCTAAGATCGGAAGAGCGGTTCAG
chr1	2116311	2116350	PRKCZ_2432	-	GTGACCTATGCACCAGACGTAGGTGGCAGGGGGGAGGGGGGTGACCGTGTGTTCATTCCCAGATCGGAAGAGCGGTTCAG
chr22	24129307	24129346	SMARCB1_2433	-	GTGACCTATGCACCAGACGTGAGGCGGGCGGCCGGAGCCGGGCTGCGAGGGATCAGGAGGAGATCGGAAGAGCGGTTCAG
chr22	24133893	24133932	SMARCB1_2434	-	GTGACCTATGCACCAGACGTAGCAAGAAGGCTCATTATAAGGGTCGCAGCACCACAGGGAAGATCGGAAGAGCGGTTCAG
chr22	24135696	24135735	SMARCB1_2435	-	GTGACCTATGCACCAGACGTCAAACATCACTGGGTCACTCTGCTGGTGGCGGTGGCACACAGATCGGAAGAGCGGTTCAG
chr22	24143081	24143120	SMARCB1_2436	-	GTGACCTATGCACCAGACGTACAAGAAAAGTCCTCCCAGTCAGTATAGGAGCCTGATCCTAGATCGGAAGAGCGGTTCAG

chr22	24145432	24145471	SMARCB1_2437	-	GTGACCTATGCACCAGACGTAATGGAAGCAACAGTCAGCGAGGGGGCCGGAGCCCTAGGTAGATCGGAAGAGCGGTTCAG
chr22	24158907	24158946	SMARCB1_2438	-	GTGACCTATGCACCAGACGTGAGAGGGAAGGGATGCCAAGAGATTGCACCATGCTTGGGCAGATCGGAAGAGCGGTTCAG
chr22	24167362	24167401	SMARCB1_2439	-	GTGACCTATGCACCAGACGTAACCAAAGGACACAAGTTAGAGCTTTTGCAGCCCAGGGAGAGATCGGAAGAGCGGTTCAG
chr22	24175709	24175748	SMARCB1_2440	-	GTGACCTATGCACCAGACGTGGGAGGCAGTGAGAGGAATGACTTTTCCAGCTATAGATGGAGATCGGAAGAGCGGTTCAG
chr22	24176278	24176317	SMARCB1_2441	-	GTGACCTATGCACCAGACGTAGTGGGGAGGGCAATGAGTCGGGGCCAGCTCCCAGCCTGGAGATCGGAAGAGCGGTTCAG
chr15	57212062	57212101	TCF12_2442	-	GTGACCTATGCACCAGACGTTTCTAGCAGGTCCTAGGGCAGAGGAAACGGGCTCAGCGAGAGATCGGAAGAGCGGTTCAG
chr15	57213174	57213213	TCF12_2443	-	GTGACCTATGCACCAGACGTACCCAAATATATCTGTTAGTCCTGAAATTCTTCTAGATTCAGATCGGAAGAGCGGTTCAG
chr15	57355898	57355937	TCF12_2444	-	GTGACCTATGCACCAGACGTAAGAAAATAAAAGATATATCTAAAAACATACTTTTGTGGAAGATCGGAAGAGCGGTTCAG
chr15	57383937	57383976	TCF12_2445	-	GTGACCTATGCACCAGACGTAAAAAGATCAGAGTATTAAAGAGATTATTTGGCAGTCCCGAGATCGGAAGAGCGGTTCAG
chr15	57458550	57458589	TCF12_2446	-	GTGACCTATGCACCAGACGTAAGAAATTAACTTTATATAAAACCCTTCATTTATTGACAGAGATCGGAAGAGCGGTTCAG
chr15	57484306	57484345	TCF12_2447	-	GTGACCTATGCACCAGACGTAGGCCAAGGAAACAAGTTATTTTCCTGCTGATACTGACCCAGATCGGAAGAGCGGTTCAG
chr15	57489921	57489960	TCF12_2448	-	GTGACCTATGCACCAGACGTAAAACAATACATTTCTTCAGCATAATATACCAGAAAAAAAAGATCGGAAGAGCGGTTCAG
chr15	57511670	57511709	TCF12_2449	-	GTGACCTATGCACCAGACGTAAAATGTTACTATTTGTAGCTAATGCACACAGCCTCTCTCAGATCGGAAGAGCGGTTCAG
chr15	57523300	57523339	TCF12_2450	-	GTGACCTATGCACCAGACGTAACAGCACATTTAATTAAAATGTAAATGACTATCATATTAAGATCGGAAGAGCGGTTCAG
chr15	57524439	57524478	TCF12_2451	-	GTGACCTATGCACCAGACGTAAGAGAAATATAAAATTTTCCTTAGCTAAAAATTTTCTTGAGATCGGAAGAGCGGTTCAG
chr15	57524860	57524899	TCF12_2452	-	GTGACCTATGCACCAGACGTAGAGATATGATCTATTAAATATATTTTCTGAATAATATTCAGATCGGAAGAGCGGTTCAG
chr15	57526191	57526230	TCF12_2453	-	GTGACCTATGCACCAGACGTCATAGAGAAATAAATCAAGAATTTTACAAGCAAGTATTATAGATCGGAAGAGCGGTTCAG
chr15	57535620	57535659	TCF12_2454	-	GTGACCTATGCACCAGACGTAACAAGAAATATACATGTATCAACATGTGACAACAGCACAAGATCGGAAGAGCGGTTCAG
chr15	57543498	57543537	TCF12_2455	-	GTGACCTATGCACCAGACGTCCAAAAGTAGCCACACACCTGGGTTAACTCAGTGATCTTGAGATCGGAAGAGCGGTTCAG
chr15	57544569	57544608	TCF12_2456	-	GTGACCTATGCACCAGACGTCAAGACAGAACAGGAGGCAAAGCACAGGTTAAGATTAACTAGATCGGAAGAGCGGTTCAG
chr15	57545410	57545449	TCF12_2457	-	GTGACCTATGCACCAGACGTTAAAAAAAAAACATGGTGGTTATTGCTGGCATCTGTTAGAAGATCGGAAGAGCGGTTCAG
chr15	57554242	57554281	TCF12_2458	-	GTGACCTATGCACCAGACGTGGAAAACCCAAAAATAAAAAAAGATTAAGATAGTTCAGAGAGATCGGAAGAGCGGTTCAG
chr15	57555260	57555299	TCF12_2459	-	GTGACCTATGCACCAGACGTGGCAAAGGAAAGATAAAATAAAAGACGAGACTCATATATGAGATCGGAAGAGCGGTTCAG
chr15	57565178	57565217	TCF12_2460	-	GTGACCTATGCACCAGACGTAAGTAACAACAAGGTCTATTAGGTTTCCTATAAAGTAAGAAGATCGGAAGAGCGGTTCAG
chr15	57574593	57574632	TCF12_2461	-	GTGACCTATGCACCAGACGTGGGAAAGAATTTTTATCACTATGGTTTTAAGTTATGAATTAGATCGGAAGAGCGGTTCAG
chr1	186283053	186283092	TPR_2462	-	GTGACCTATGCACCAGACGTAACAATAACAACTGTGAATAAGATTATCAAATCTGTTTTAAGATCGGAAGAGCGGTTCAG
chr1	186283711	186283750	TPR_2463	-	GTGACCTATGCACCAGACGTGACATAACTGGATTACATGATAGAATGTGGAATAGTAATAAGATCGGAAGAGCGGTTCAG
chr1	186286564	186286603	TPR_2464	-	GTGACCTATGCACCAGACGTGCCCTTGACTGCAATACAGTTTTTATACATCAAACTTGTTAGATCGGAAGAGCGGTTCAG
chr1	186287529	186287568	TPR_2465	-	GTGACCTATGCACCAGACGTATTTTGTTGTTTTTGCTTGCTTTAGTCTCAACAGACTTGTAGATCGGAAGAGCGGTTCAG
chr1	186287815	186287854	TPR_2466	-	GTGACCTATGCACCAGACGTAAGGCAGATAGTAGGTTCTGTTTTATTGGTAAAATGAAAAAGATCGGAAGAGCGGTTCAG
chr1	186289394	186289433	TPR_2467	-	GTGACCTATGCACCAGACGTAAACCTTTAGATCCCCTGAATTTGTATGTATTTGGTAATAAGATCGGAAGAGCGGTTCAG
chr1	186291400	186291439	TPR_2468	-	GTGACCTATGCACCAGACGTGAAAGAGAAACATACTTTATAACTAATCAAACTTTTAGTCAGATCGGAAGAGCGGTTCAG
chr1	186291600	186291639	TPR_2469	-	GTGACCTATGCACCAGACGTACCCATTATGTAAAAGTAATTCATTTCTTGAGCAGATATTAGATCGGAAGAGCGGTTCAG
chr1	186292768	186292807	TPR_2470	-	GTGACCTATGCACCAGACGTTACTGGTCATTATGAAAAATGAACTTGAAAAAAATCTTGGAGATCGGAAGAGCGGTTCAG
chr1	186294846	186294885	TPR_2471	-	GTGACCTATGCACCAGACGTTATTAGCCTTTTTTGAATTGAATATCTCTGGTATTTTCTAAGATCGGAAGAGCGGTTCAG
chr1	186295186	186295225	TPR_2472	-	GTGACCTATGCACCAGACGTAGAATTTTAACCATTCATAGTTCTTTCTATGAGCTTTCTTAGATCGGAAGAGCGGTTCAG
chr1	186296542	186296581	TPR_2473	-	GTGACCTATGCACCAGACGTTTTGAAATCATCTAGTGTTTTTAAACTATTGGATGAAAGTAGATCGGAAGAGCGGTTCAG
chr1	186300580	186300619	TPR_2474	-	GTGACCTATGCACCAGACGTACATACCTAAAGTACCACACCGTTGCTTTTCGTGAATGAAAGATCGGAAGAGCGGTTCAG
chr1	186301277	186301316	TPR_2475	-	GTGACCTATGCACCAGACGTTTCTTTCTGTGTATTTTAACTTTTACCAGTAGAGTTAAGGAGATCGGAAGAGCGGTTCAG
chr1	186302204	186302243	TPR_2476	-	GTGACCTATGCACCAGACGTTTTTAAAATGAAGTCAGAGTAGACCTATGCATTTATAAGAAGATCGGAAGAGCGGTTCAG
chr1	186303407	186303446	TPR_2477	-	GTGACCTATGCACCAGACGTTAATACAGATCTGATGAGACTGCTTATTTAGATTTATTATAGATCGGAAGAGCGGTTCAG
chr1	186304150	186304189	TPR_2478	-	GTGACCTATGCACCAGACGTGTTATTTCATAGTCTGTTATTTTTCTTTTAAAGCTCAGGGAGATCGGAAGAGCGGTTCAG
chr1	186304420	186304459	TPR_2479	-	GTGACCTATGCACCAGACGTAATTCTGCTTAAGTAACAAATTGTTTTTCTTTGTACATTTAGATCGGAAGAGCGGTTCAG
chr1	186305578	186305617	TPR_2480	-	GTGACCTATGCACCAGACGTGTTTAAAGTTTGAACTTGGTAGTGAAAGTTGATTATGTGTAGATCGGAAGAGCGGTTCAG
chr1	186306095	186306134	TPR_2481	-	GTGACCTATGCACCAGACGTGAGAACAGTCTGTTCCTAATTCTTTCCTGTTATACACCTAAGATCGGAAGAGCGGTTCAG
chr1	186307115	186307154	TPR_2482	-	GTGACCTATGCACCAGACGTGAAACTTATCTTACAAAAAAAAACTAGGATGAATGTTATGAGATCGGAAGAGCGGTTCAG
chr1	186308724	186308763	TPR_2483	-	GTGACCTATGCACCAGACGTAGAAGCCTTAAATCATATATAATATAAAAGAAGTTTATTTAGATCGGAAGAGCGGTTCAG
chr1	186310110	186310149	TPR_2484	-	GTGACCTATGCACCAGACGTTTAAAACTCTTCCAAAACATGGAAACACGTGTTTTTAATAAGATCGGAAGAGCGGTTCAG
chr1	186310334	186310373	TPR_2485	-	GTGACCTATGCACCAGACGTTAGTTATCAAGAGTGGAAGCATGTTGTTTTTAATAATAAAAGATCGGAAGAGCGGTTCAG
chr1	186312408	186312447	TPR_2486	-	GTGACCTATGCACCAGACGTTAAGCTTTAAGAAAGCACTTGTTAAATCAAAAGAGAAGCAAGATCGGAAGAGCGGTTCAG
chr1	186312988	186313027	TPR_2487	-	GTGACCTATGCACCAGACGTTTCTTACTGCTTCATTTCTGTGGTATAACAACTATGAAATAGATCGGAAGAGCGGTTCAG
chr1	186314662	186314701	TPR_2488	-	GTGACCTATGCACCAGACGTCCAATTATTGAGAAATGAGCTTCGATCCTAGAGAATGATTAGATCGGAAGAGCGGTTCAG
chr1	186315217	186315256	TPR_2489	-	GTGACCTATGCACCAGACGTTAACCGTATTAATTTTTTTTTTAACTTGTAAGGATTTGAAAGATCGGAAGAGCGGTTCAG
chr1	186316374	186316413	TPR_2490	-	GTGACCTATGCACCAGACGTTTCTGAATTCAGAATTCAATCTCAACACATTTGTTAACTTAGATCGGAAGAGCGGTTCAG
chr1	186319305	186319344	TPR_2491	-	GTGACCTATGCACCAGACGTTAAGTAGACCAATATAATTGTAAATAAACAAGTACTTCTTAGATCGGAAGAGCGGTTCAG
chr1	186320412	186320451	TPR_2492	-	GTGACCTATGCACCAGACGTCAGAGTTCTGAATTTCTGTAGGGTGTTTATGTTCAGTAATAGATCGGAAGAGCGGTTCAG
chr1	186321058	186321097	TPR_2493	-	GTGACCTATGCACCAGACGTAAAAAGCCTATGTAGAAAAAATGTATAAAAGTTAAATTTAAGATCGGAAGAGCGGTTCAG
chr1	186322770	186322809	TPR_2494	-	GTGACCTATGCACCAGACGTTATCCCTTGTCCAACTTGCATTATAAGTTGCATTTGACATAGATCGGAAGAGCGGTTCAG

chr1	186324492	186324531	TPR_2495	-	GTGACCTATGCACCAGACGTTTTTGTTTCAAATTAATTAAGTCTAAATGTTATACTTTACAGATCGGAAGAGCGGTTCAG
chr1	186324717	186324756	TPR_2496	-	GTGACCTATGCACCAGACGTCACCTTTGTCCTGGGTTAGGTTTTTAGAGAACACAGTGTTAGATCGGAAGAGCGGTTCAG
chr1	186325368	186325407	TPR_2497	-	GTGACCTATGCACCAGACGTATAAAGTTATTTTAAGGAATAATTTAGAAATGTATATTAAAGATCGGAAGAGCGGTTCAG
chr1	186326479	186326518	TPR_2498	-	GTGACCTATGCACCAGACGTACATACCTCAGCTTGTTGAGCAAACATTTATGAAAACCTCAGATCGGAAGAGCGGTTCAG
chr1	186327625	186327664	TPR_2499	-	GTGACCTATGCACCAGACGTTTTTGTTTGTTTTCCTACTTTTAAAAACCTGACTGCCCAGAGATCGGAAGAGCGGTTCAG
chr1	186328881	186328920	TPR_2500	-	GTGACCTATGCACCAGACGTTTCCTAAAATTTAGCCGTGGTAACAATACAAATGAGAAATAGATCGGAAGAGCGGTTCAG
chr1	186329355	186329394	TPR_2501	-	GTGACCTATGCACCAGACGTTATTAAATGTTGTTAAATTCTTTTTCTTCAGCAAATGTATAGATCGGAAGAGCGGTTCAG
chr1	186329847	186329886	TPR_2502	-	GTGACCTATGCACCAGACGTTAGATGCTTGTTAGTGAGTTGAAATACTACAGCTTTCCTAAGATCGGAAGAGCGGTTCAG
chr1	186330704	186330743	TPR_2503	-	GTGACCTATGCACCAGACGTTCAGTTATGGGAACATTATTTTTGTTATTGTACTCTTTTTAGATCGGAAGAGCGGTTCAG
chr1	186330871	186330910	TPR_2504	-	GTGACCTATGCACCAGACGTCACCACACATGTTAGTATCTAAATGTTGCATTGTTGACTGAGATCGGAAGAGCGGTTCAG
chr1	186331370	186331409	TPR_2505	-	GTGACCTATGCACCAGACGTCCATTAAAATGTCTTTTTTACAAAATACTAAAGCACTTACAGATCGGAAGAGCGGTTCAG
chr1	186331919	186331958	TPR_2506	-	GTGACCTATGCACCAGACGTAAAATTGTGTTTTTCTTCATGTTGAGTATAACTTACATTTAGATCGGAAGAGCGGTTCAG
chr1	186332424	186332463	TPR_2507	-	GTGACCTATGCACCAGACGTGATGATTCCTAATGCATAAACTATAGCTTTTTATTAAAACAGATCGGAAGAGCGGTTCAG
chr1	186336968	186337007	TPR_2508	-	GTGACCTATGCACCAGACGTGTGCTTGTAGCTTTTAGCTCCATTCCTTTATTTTTCTTCTAGATCGGAAGAGCGGTTCAG
chr1	186340052	186340091	TPR_2509	-	GTGACCTATGCACCAGACGTTTTCTTAGAATAAGCTCATTGTAGACATTTTACTTGAAGGAGATCGGAAGAGCGGTTCAG
chr1	186342441	186342480	TPR_2510	-	GTGACCTATGCACCAGACGTAATTCATCTTTGTAAGTATTCTCGGAGTATCGAAATCTTCAGATCGGAAGAGCGGTTCAG
chr1	186343960	186343999	TPR_2511	-	GTGACCTATGCACCAGACGTTGCTCTTTCCGTCCTTGGTTTTGGGCTCGACTCCCGCCCTAGATCGGAAGAGCGGTTCAG
chr6	43738394	43738433	VEGFA_2512	-	GTGACCTATGCACCAGACGTCAGCTGCGGGATCCCAAGGGGGAGGGCTCACGCCGCGCTCAGATCGGAAGAGCGGTTCAG
chr6	43742028	43742067	VEGFA_2513	-	GTGACCTATGCACCAGACGTAAAGAGAGCAAGGCATGGGCATGGGCAGGGGCTGGGGTGCAGATCGGAAGAGCGGTTCAG
chr6	43745156	43745195	VEGFA_2514	-	GTGACCTATGCACCAGACGTGGCGATGACACATGAGCCCGGTGGGCGACACAAAAGATGGAGATCGGAAGAGCGGTTCAG
chr6	43746147	43746186	VEGFA_2515	-	GTGACCTATGCACCAGACGTAGGAAGCAGATCACAGAGGTTAGTGACCCAGCCAGCCATAAGATCGGAAGAGCGGTTCAG
chr6	43746576	43746615	VEGFA_2516	-	GTGACCTATGCACCAGACGTTAGGGAGAGAGAAAAGAGCAAAACAGGGAAGGGTTAAGATAGATCGGAAGAGCGGTTCAG
chr6	43748419	43748458	VEGFA_2517	-	GTGACCTATGCACCAGACGTAAAAAACAGAGACAGAGAGAGAGCGGGGGCGGTGGGGGGAAGATCGGAAGAGCGGTTCAG
chr6	43749643	43749682	VEGFA_2518	-	GTGACCTATGCACCAGACGTGCAAAAGGAAAGACATCTAAGCTAGAGCATCAGCAGAGAGAGATCGGAAGAGCGGTTCAG
chr6	43752228	43752267	VEGFA_2519	-	GTGACCTATGCACCAGACGTTGGAAAACAAAGGCTGGGGTTAGGGCCAAGTGAGGAGGCCAGATCGGAAGAGCGGTTCAG
chr6	43752294	43752333	VEGFA_2520	-	GTGACCTATGCACCAGACGTAAACCCTGAGGGAGGCTCCTTCCTCCTGCCCGGCTCACCGAGATCGGAAGAGCGGTTCAG
chr17	48712248	48712287	ABCC3_2521	-	GTGACCTATGCACCAGACGTCGCGGCTGCAAGGAAGGCGAGCGCGGTCGGACCCAGCGGCAGATCGGAAGAGCGGTTCAG
chr17	48733143	48733182	ABCC3_2522	-	GTGACCTATGCACCAGACGTAGAGAACAGTTTAGTGCTGTGGCAGCCCCACAGAGAATTGAGATCGGAAGAGCGGTTCAG
chr17	48734013	48734052	ABCC3_2523	-	GTGACCTATGCACCAGACGTAGCACAGGTTGGAATCCGCATCCCCAGAGGCAAGGACAGTAGATCGGAAGAGCGGTTCAG
chr17	48734357	48734396	ABCC3_2524	-	GTGACCTATGCACCAGACGTAGGGCAGGGAGGCCCGGGCAGAACACACACATCTGGACCTAGATCGGAAGAGCGGTTCAG
chr17	48735393	48735432	ABCC3_2525	-	GTGACCTATGCACCAGACGTGAGTGGAGGGGCGTCAGAAGCACTGGAAAAGCCTGGGCCTAGATCGGAAGAGCGGTTCAG
chr17	48735746	48735785	ABCC3_2526	-	GTGACCTATGCACCAGACGTAGAGAATAGGACGGGGGAATCAGGAGTGCCCACCACCCTCAGATCGGAAGAGCGGTTCAG
chr17	48736548	48736587	ABCC3_2527	-	GTGACCTATGCACCAGACGTGTGAAGCCCGGCAGGCAGCCCCGCAGAGGGTCAGGGTTTAAGATCGGAAGAGCGGTTCAG
chr17	48738234	48738273	ABCC3_2528	-	GTGACCTATGCACCAGACGTGAGGAAGGAGCAGTGGGTTAGGAATGGGGACAGGGGCTCCAGATCGGAAGAGCGGTTCAG
chr17	48740992	48741031	ABCC3_2529	-	GTGACCTATGCACCAGACGTGAGAGAGGAGTGAGGTGGGCAGTGCTGCCCCCATGGCTGCAGATCGGAAGAGCGGTTCAG
chr17	48741261	48741300	ABCC3_2530	-	GTGACCTATGCACCAGACGTACAGTAGTGGGTGGACTTGGCTGCGAGCCTCTTGCAAGCTAGATCGGAAGAGCGGTTCAG
chr17	48742464	48742503	ABCC3_2531	-	GTGACCTATGCACCAGACGTACCGGTGGATAGATGACACATAGGGACAGATTACCAAAGTAGATCGGAAGAGCGGTTCAG
chr17	48744865	48744904	ABCC3_2532	-	GTGACCTATGCACCAGACGTAGAAAGAGTGTCAGTGGCACACCTGCTCCCTCCCCTGACCAGATCGGAAGAGCGGTTCAG
chr17	48745174	48745213	ABCC3_2533	-	GTGACCTATGCACCAGACGTTGGAGGTGGTGTCAGGGTAGAGTCCAATGAGCCCTGGCCAAGATCGGAAGAGCGGTTCAG
chr17	48745741	48745780	ABCC3_2534	-	GTGACCTATGCACCAGACGTATGTGAGTCAGCCCTAGAGACTGTACTTTCCCAACCCCCAAGATCGGAAGAGCGGTTCAG
chr17	48746164	48746203	ABCC3_2535	-	GTGACCTATGCACCAGACGTCAAGGTGGGCAGGGTCAGGGAGGGAGCTCAAGGGATGGGGAGATCGGAAGAGCGGTTCAG
chr17	48746451	48746490	ABCC3_2536	-	GTGACCTATGCACCAGACGTGGACCCCAGGAGTCCAGTTAGAGGCAGGGATCAGGGTTTTAGATCGGAAGAGCGGTTCAG
chr17	48746663	48746702	ABCC3_2537	-	GTGACCTATGCACCAGACGTGAGAAATTTACCTCGGGGCTTGCCCAAGGCCTGGCTGAGCAGATCGGAAGAGCGGTTCAG
chr17	48750282	48750321	ABCC3_2538	-	GTGACCTATGCACCAGACGTGCGGGGGGTGGGAAAAATGGGGTCAGACAGGCACAGGGAGAGATCGGAAGAGCGGTTCAG
chr17	48750780	48750819	ABCC3_2539	-	GTGACCTATGCACCAGACGTGGCAGCAGGCTCTCACCCCTACCACCCTCCAGCACACCCCAGATCGGAAGAGCGGTTCAG
chr17	48752673	48752712	ABCC3_2540	-	GTGACCTATGCACCAGACGTGTGGGAGGAAGGAGATAGGGTTCAGCTAGTTCTCCCTGCAAGATCGGAAGAGCGGTTCAG
chr17	48752942	48752981	ABCC3_2541	-	GTGACCTATGCACCAGACGTAGCTGGTCAGGCCCAGGGAGGGGGCCTCAAGCACCCCCCAAGATCGGAAGAGCGGTTCAG
chr17	48753194	48753233	ABCC3_2542	-	GTGACCTATGCACCAGACGTCAGCCATGGCAGTCAGGGACAGGGGACTCCATAAACCCTGAGATCGGAAGAGCGGTTCAG
chr17	48753589	48753628	ABCC3_2543	-	GTGACCTATGCACCAGACGTAGGCAGAGGGCGCTGGCTCACCTGGACTAGTGAGCGGGCAAGATCGGAAGAGCGGTTCAG
chr17	48755055	48755094	ABCC3_2544	-	GTGACCTATGCACCAGACGTGAGAAGGAGTTTGGGGTCAGGGCCATGGAACCCCCAACTCAGATCGGAAGAGCGGTTCAG
chr17	48755404	48755443	ABCC3_2545	-	GTGACCTATGCACCAGACGTTCAGATGAGGAGGAAATGGGGCAGGGGCAGGGCAGGGCCAAGATCGGAAGAGCGGTTCAG
chr17	48757109	48757148	ABCC3_2546	-	GTGACCTATGCACCAGACGTGGACTGGGTTATACGTATGGCGATCTCCCCTCCCCACCGTAGATCGGAAGAGCGGTTCAG
chr17	48760921	48760960	ABCC3_2547	-	GTGACCTATGCACCAGACGTGGGCAGATGGGGTCACATCAGCTGCCCAGTGAAGCCCTCTAGATCGGAAGAGCGGTTCAG
chr17	48761260	48761299	ABCC3_2548	-	GTGACCTATGCACCAGACGTAAGGGAAGGGGCTCTGAGGGGGAAGCTGAGAGGTCAAAGGAGATCGGAAGAGCGGTTCAG
chr17	48762020	48762059	ABCC3_2549	-	GTGACCTATGCACCAGACGTAACGTGGCCTCAGAGGGAGGCAGCTTAGGCCCTATGAGGAAGATCGGAAGAGCGGTTCAG
chr17	48764847	48764886	ABCC3_2550	-	GTGACCTATGCACCAGACGTAGAAGGCAGGCATTTCCAGCTGGGGGCCTCCCACCTGCCTAGATCGGAAGAGCGGTTCAG
chr17	48768403	48768442	ABCC3_2551	-	GTGACCTATGCACCAGACGTAAGAGAGAAGTGGTCAGGTTTCCATCAGCCCTGACCTGGTAGATCGGAAGAGCGGTTCAG
chr11	35160801	35160840	CD44_2552	-	GTGACCTATGCACCAGACGTGCGAACGGAGGGCGCGGGCGAAAGGAGCTGGAGGATCCCTAGATCGGAAGAGCGGTTCAG

chr11	35198072	35198111	CD44_2553	-	GTGACCTATGCACCAGACGTAAATAGAAATGTTAGATTCTTTTGCATAAATAATTTGGAGAGATCGGAAGAGCGGTTCAG
chr11	35201771	35201810	CD44_2554	-	GTGACCTATGCACCAGACGTAAAACAACAGGATATTGACCTAAATGGCTAAGATGGGAATAGATCGGAAGAGCGGTTCAG
chr11	35208329	35208368	CD44_2555	-	GTGACCTATGCACCAGACGTGGAAAAAAAGGATGAGAACCCTTTAAAAACATGAGGAAAAAGATCGGAAGAGCGGTTCAG
chr11	35211332	35211371	CD44_2556	-	GTGACCTATGCACCAGACGTGAAAAGGTACTTACAGAACTTCACAGCTCATATTTTGAGTAGATCGGAAGAGCGGTTCAG
chr11	35218243	35218282	CD44_2557	-	GTGACCTATGCACCAGACGTCATGATTGAATTGATTGTTGAAAGATTAATTAACGGTTCCAGATCGGAAGAGCGGTTCAG
chr11	35219618	35219657	CD44_2558	-	GTGACCTATGCACCAGACGTGACTTGCATTAGTGGCTGAGCTGGACGCCAAGCAACCCACAGATCGGAAGAGCGGTTCAG
chr11	35222579	35222618	CD44_2559	-	GTGACCTATGCACCAGACGTGATGATTGAAGCAATTAGAAAAATGTTATTTCTTGAGCCTAGATCGGAAGAGCGGTTCAG
chr11	35223168	35223207	CD44_2560	-	GTGACCTATGCACCAGACGTGATGGTTAAATACACTGTGACTTGTTATCAACCAATCTTTAGATCGGAAGAGCGGTTCAG
chr11	35226009	35226048	CD44_2561	-	GTGACCTATGCACCAGACGTAATATCAGTTGGGAGACATAATTGTCTATTTTCCTCACCAAGATCGGAAGAGCGGTTCAG
chr11	35227609	35227648	CD44_2562	-	GTGACCTATGCACCAGACGTGCAGTTTGAGCAATTGTCAAAGTGTTAATGGACGCTTGGTAGATCGGAAGAGCGGTTCAG
chr11	35229602	35229641	CD44_2563	-	GTGACCTATGCACCAGACGTCAATATTAGTGTTATTGCTTGATTTCCCAAACCACTACCTAGATCGGAAGAGCGGTTCAG
chr11	35231462	35231501	CD44_2564	-	GTGACCTATGCACCAGACGTGAGGAATGAATCCAGTGTTAATTTGAAGCTACGGTACAAAAGATCGGAAGAGCGGTTCAG
chr11	35232743	35232782	CD44_2565	-	GTGACCTATGCACCAGACGTGTGGAATCAGTGATGAACCCGTATTTGTAAGATCACCACCAGATCGGAAGAGCGGTTCAG
chr11	35236349	35236388	CD44_2566	-	GTGACCTATGCACCAGACGTCAATCAGGAAGGTCAGTACTGCATGTTTTCACTTACACTCAGATCGGAAGAGCGGTTCAG
chr11	35240813	35240852	CD44_2567	-	GTGACCTATGCACCAGACGTAAACAACATCTCTCAACCAAAGTTTGAAATGTGTAACCATAGATCGGAAGAGCGGTTCAG
chr11	35243151	35243190	CD44_2568	-	GTGACCTATGCACCAGACGTTAAATTAAATGACATGCGTGAGCTTCAGAGACACACTTTGAGATCGGAAGAGCGGTTCAG
chr11	35243202	35243241	CD44_2569	-	GTGACCTATGCACCAGACGTCAAAGCCAAGGCCAAGAGGGATGCCAAGATGATCAGCCATAGATCGGAAGAGCGGTTCAG
chr11	35250626	35250665	CD44_2570	-	GTGACCTATGCACCAGACGTAAAAAATGTACCATATCAGAAAGATTGCAGTGACTCAGGCAGATCGGAAGAGCGGTTCAG
chr19	10677684	10677723	CDKN2D_2571	-	GTGACCTATGCACCAGACGTCCCTCTCCAGCAAGAGAACCCCGTGGGGTTATGTATCAGAAGATCGGAAGAGCGGTTCAG
chr19	10679139	10679178	CDKN2D_2572	-	GTGACCTATGCACCAGACGTGCCGGTCCAGGTTGGGGCGGGGCGGCTAAGCGGGATGAGGAGATCGGAAGAGCGGTTCAG
chr5	149433582	149433621	CSF1R_2573	-	GTGACCTATGCACCAGACGTACAGGGAGTACCACTCTCCCCTCCCACAAACTTCAACTCCAGATCGGAAGAGCGGTTCAG
chr5	149433835	149433874	CSF1R_2574	-	GTGACCTATGCACCAGACGTTGAGGCTTGGGGTGGGTGGCCGGTAAAGCACGTTGGGCTGAGATCGGAAGAGCGGTTCAG
chr5	149434750	149434789	CSF1R_2575	-	GTGACCTATGCACCAGACGTGGATCCCAGGGAGGGAAAAGGACACCCCAGGCTTTCGCTGAGATCGGAAGAGCGGTTCAG
chr5	149435539	149435578	CSF1R_2576	-	GTGACCTATGCACCAGACGTGGGCCCACTCCAGGCAGAGCCTGGGGCTGGCTCCTCTGGTAGATCGGAAGAGCGGTTCAG
chr5	149435732	149435771	CSF1R_2577	-	GTGACCTATGCACCAGACGTGGAGGGCTTGGGCCAGGCTGGGGAGGGGGTGAAGAGTCGGAGATCGGAAGAGCGGTTCAG
chr5	149436800	149436839	CSF1R_2578	-	GTGACCTATGCACCAGACGTACCTGGCCCTGGCTCATAGCCACCCAGGTCTGTGCTCCGGAGATCGGAAGAGCGGTTCAG
chr5	149437017	149437056	CSF1R_2579	-	GTGACCTATGCACCAGACGTCCCAGGGCCAGGCCCCATTTGCTTGATAACAAGGGAAAAGAGATCGGAAGAGCGGTTCAG
chr5	149439213	149439252	CSF1R_2580	-	GTGACCTATGCACCAGACGTGCAAAGGACAAGAAAAAGGCCAGGTCTGGGAGGCAGGATCAGATCGGAAGAGCGGTTCAG
chr5	149440375	149440414	CSF1R_2581	-	GTGACCTATGCACCAGACGTTGGGGTTCCTGGGGCCAAGGTCTTGGGGCCTCTGGGGAATAGATCGGAAGAGCGGTTCAG
chr5	149441004	149441043	CSF1R_2582	-	GTGACCTATGCACCAGACGTGGAGGGGATGAGGGAAGGGATGGGGGGTGGTAGATGCTGGAGATCGGAAGAGCGGTTCAG
chr5	149441236	149441275	CSF1R_2583	-	GTGACCTATGCACCAGACGTAGCTCATCACTCCACAGCTTCCTATCACAGGGCCTGTGGGAGATCGGAAGAGCGGTTCAG
chr5	149447728	149447767	CSF1R_2584	-	GTGACCTATGCACCAGACGTGCGGAGTGGGGCTGCCAGGTGCCTGAGTGAGCCAGATTTGAGATCGGAAGAGCGGTTCAG
chr5	149449695	149449734	CSF1R_2585	-	GTGACCTATGCACCAGACGTTCCACTCACCTCCCTCACCTGGGCTCAGGGGCTGGGCACCAGATCGGAAGAGCGGTTCAG
chr5	149449969	149450008	CSF1R_2586	-	GTGACCTATGCACCAGACGTGGGCCGAGCGCCACCTGGGGCGGAGGCCCTGGGACTGCCTAGATCGGAAGAGCGGTTCAG
chr5	149452814	149452853	CSF1R_2587	-	GTGACCTATGCACCAGACGTTCAGCTCCCGTCTACACAGCCCGACAACCAGATGGGGTATAGATCGGAAGAGCGGTTCAG
chr5	149456789	149456828	CSF1R_2588	-	GTGACCTATGCACCAGACGTGGGTGGTGGTGGACAGTCGGTAGGGATCCTGCAGGAGTGTAGATCGGAAGAGCGGTTCAG
chr5	149457625	149457664	CSF1R_2589	-	GTGACCTATGCACCAGACGTGCAGATCACAAGGTGAAGTCTGGCCATCCTCCCAGCACACAGATCGGAAGAGCGGTTCAG
chr5	149459565	149459604	CSF1R_2590	-	GTGACCTATGCACCAGACGTCATGGGGACCGGCAGCCAGGCCTGAAGAGTGGGGACAGAGAGATCGGAAGAGCGGTTCAG
chr5	149460280	149460319	CSF1R_2591	-	GTGACCTATGCACCAGACGTTGAGCCTCCTCCCAAGAGGCCTGACCCGGCAGGCCCCACTAGATCGGAAGAGCGGTTCAG
chr5	149465892	149465931	CSF1R_2592	-	GTGACCTATGCACCAGACGTAACGGGGGGTGGGGGACTTTGTTGGGGTGTGATGGAGAAGAGATCGGAAGAGCGGTTCAG
chr1	97544482	97544521	DPYD_2593	-	GTGACCTATGCACCAGACGTGAAACAGTTGCTGTGAACTTTCATGTCACCTACATATGCTAGATCGGAAGAGCGGTTCAG
chr1	97547836	97547875	DPYD_2594	-	GTGACCTATGCACCAGACGTTGCTGGAATTAGAATGCTATGAGACATGTTTCTTCTTGTTAGATCGGAAGAGCGGTTCAG
chr1	97563995	97564034	DPYD_2595	-	GTGACCTATGCACCAGACGTTGCCAACTATATAAGTATGCCTACTTTACTGGTTAAATATAGATCGGAAGAGCGGTTCAG
chr1	97658575	97658614	DPYD_2596	-	GTGACCTATGCACCAGACGTAAATCTCCTGTGTTATTCTTGAGAACTCAGCCTTGGTTTCAGATCGGAAGAGCGGTTCAG
chr1	97700358	97700397	DPYD_2597	-	GTGACCTATGCACCAGACGTTGTTTGTCTGTCCCTTTTAAAAATCTCCATCTCACAAATGAGATCGGAAGAGCGGTTCAG
chr1	97770765	97770804	DPYD_2598	-	GTGACCTATGCACCAGACGTCCCACTTCTTGCATTGTGCTTTCTTGGAGGTTGCTGAAAAAGATCGGAAGAGCGGTTCAG
chr1	97771683	97771722	DPYD_2599	-	GTGACCTATGCACCAGACGTGACTTGAATCAGTTGCCCGCTATTGTAAATATTGGCCCACAGATCGGAAGAGCGGTTCAG
chr1	97839067	97839106	DPYD_2600	-	GTGACCTATGCACCAGACGTTGACAGCTGCCACTAAGTATGTCAGTGTGACATAACAGGCAGATCGGAAGAGCGGTTCAG
chr1	97847899	97847938	DPYD_2601	-	GTGACCTATGCACCAGACGTCTTTAGTATATATTTATTTTATTTCTTCTCTCCTATTTTTAGATCGGAAGAGCGGTTCAG
chr1	97915565	97915604	DPYD_2602	-	GTGACCTATGCACCAGACGTTTTAACATCTAAAACAAGAGAATTGGCATAAGTTGGTGAAAGATCGGAAGAGCGGTTCAG
chr1	97981232	97981271	DPYD_2603	-	GTGACCTATGCACCAGACGTATTATTGAAGTCATATAGAAATGTCTATCATATATTTTAAAGATCGGAAGAGCGGTTCAG
chr1	98015066	98015105	DPYD_2604	-	GTGACCTATGCACCAGACGTGCCATCATTTCCACTTAATTCTTTTCCAATGGATAAGTGCAGATCGGAAGAGCGGTTCAG
chr1	98039266	98039305	DPYD_2605	-	GTGACCTATGCACCAGACGTGGGAGCTGAAATGTGTGATGCAATTGTCTGTTATTTTAGTAGATCGGAAGAGCGGTTCAG
chr1	98058724	98058763	DPYD_2606	-	GTGACCTATGCACCAGACGTACCATCAGAAAATATGGAGTTGTACTCCAACAGATTTTAGAGATCGGAAGAGCGGTTCAG
chr1	98060565	98060604	DPYD_2607	-	GTGACCTATGCACCAGACGTTTGTCTTTTATGCTTAATAGTGAGTATGCTATTTTATTTAAGATCGGAAGAGCGGTTCAG
chr1	98157223	98157262	DPYD_2608	-	GTGACCTATGCACCAGACGTAAAACACCTATCTGTGTACTGCTCAAAAAGAAAGGAGTAAAGATCGGAAGAGCGGTTCAG
chr1	98164857	98164896	DPYD_2609	-	GTGACCTATGCACCAGACGTCATTTATTTCATGTTTATAGTGTCAGAAATGATGGAGCAAAGATCGGAAGAGCGGTTCAG
chr1	98187016	98187055	DPYD_2610	-	GTGACCTATGCACCAGACGTTATACACGTGACATCCCCCCACTACCATCACCATGCACAAAGATCGGAAGAGCGGTTCAG

chr1	98205898	98205937	DPYD_2611	-	GTGACCTATGCACCAGACGTATTTAACTCTGCAAATGAAAATAACAGTATTTGATCTTGTAGATCGGAAGAGCGGTTCAG
chr1	98293620	98293659	DPYD_2612	-	GTGACCTATGCACCAGACGTGTCACCATAGCAACAGTCACAGATGTGGTAAAGAAAAAGTAGATCGGAAGAGCGGTTCAG
chr1	98348770	98348809	DPYD_2613	-	GTGACCTATGCACCAGACGTCTGATACACTATTTCATGCTGAAAATTACCTCACTCCACAAGATCGGAAGAGCGGTTCAG
chr1	98386390	98386429	DPYD_2614	-	GTGACCTATGCACCAGACGTCGCGCCGGCTCGTCGGTGGTGGCGGGGTGGTGGGGAGTGCAGATCGGAAGAGCGGTTCAG
chr14	64694201	64694240	ESR2_2615	-	GTGACCTATGCACCAGACGTAACTCGGTGGCCTAAAGAAAAATCTTGGGTAACATTTTCAAGATCGGAAGAGCGGTTCAG
chr14	64699805	64699844	ESR2_2616	-	GTGACCTATGCACCAGACGTTGAGGTGAACTGGCCCACAGAGGTCACAGGCTGAAGCGTGAGATCGGAAGAGCGGTTCAG
chr14	64701638	64701677	ESR2_2617	-	GTGACCTATGCACCAGACGTTAAGGAGCTGCTCTGCTTGGGCTTGGGATGGGATTATGTGAGATCGGAAGAGCGGTTCAG
chr14	64716214	64716253	ESR2_2618	-	GTGACCTATGCACCAGACGTACACAGCTGGGCCATGTTTTATCGGGGAGAGATGCTGTTTAGATCGGAAGAGCGGTTCAG
chr14	64723894	64723933	ESR2_2619	-	GTGACCTATGCACCAGACGTATACATTGTGTTTCTTCTCTGACTTGTTTGAGTAAGGTGCAGATCGGAAGAGCGGTTCAG
chr14	64735463	64735502	ESR2_2620	-	GTGACCTATGCACCAGACGTGCTTCCCTTCTTATTGAATATGGGCCTTGCTAAAAGCCCTAGATCGGAAGAGCGGTTCAG
chr14	64746649	64746688	ESR2_2621	-	GTGACCTATGCACCAGACGTATTGTTAACTGCTTCTTTAGTTTCCTACTTTTGATTTCAAAGATCGGAAGAGCGGTTCAG
chr14	64749292	64749331	ESR2_2622	-	GTGACCTATGCACCAGACGTTCTTCATTCTGAATTATAGTTGCTAGCCATTTCTCAAATCAGATCGGAAGAGCGGTTCAG
chr22	29668155	29668194	EWSR1_2623	-	GTGACCTATGCACCAGACGTACAAGGAGGAAAAATAGTGTAAAGTTAGCAGAAACAAGGAAGATCGGAAGAGCGGTTCAG
chr22	29668319	29668358	EWSR1_2624	-	GTGACCTATGCACCAGACGTATTAAATGCAATAACTTGAATAGAGAACATTCAAATACCAAGATCGGAAGAGCGGTTCAG
chr22	29669680	29669719	EWSR1_2625	-	GTGACCTATGCACCAGACGTAAAAAACGAATGCAAGAACTTCATACATGAACTTTTGTATAGATCGGAAGAGCGGTTCAG
chr22	29673969	29674008	EWSR1_2626	-	GTGACCTATGCACCAGACGTGGAGAGCTGCATCAGATTTCAGGTCCCCTCAGAGATCTGCAGATCGGAAGAGCGGTTCAG
chr22	29682862	29682901	EWSR1_2627	-	GTGACCTATGCACCAGACGTGAGAAGAGAAAAAAAAAAAAGCTTTTTTAGAAAGAGGCTTAGATCGGAAGAGCGGTTCAG
chr22	29684545	29684584	EWSR1_2628	-	GTGACCTATGCACCAGACGTAGTCACATCTGTAAGCCATGGACCAGCATTTACACCACTGAGATCGGAAGAGCGGTTCAG
chr22	29687501	29687540	EWSR1_2629	-	GTGACCTATGCACCAGACGTAAACGAAGAAATGAAGGCCTTTCCCTTTAAAAGCCAGTACAGATCGGAAGAGCGGTTCAG
chr22	29688076	29688115	EWSR1_2630	-	GTGACCTATGCACCAGACGTGGAAAGATCATATAAAATATTATTAGTGCACGTCTTGCAAAGATCGGAAGAGCGGTTCAG
chr22	29688427	29688466	EWSR1_2631	-	GTGACCTATGCACCAGACGTCAACAAGACAGGAGAATTATTATCATGTATCTATAGGGGTAGATCGGAAGAGCGGTTCAG
chr22	29692179	29692218	EWSR1_2632	-	GTGACCTATGCACCAGACGTAATAGCATAGTTAGGCATGACTAGAATATACTAATTTGGGAGATCGGAAGAGCGGTTCAG
chr22	29693767	29693806	EWSR1_2633	-	GTGACCTATGCACCAGACGTACAACAGAACATCAATTACTCCCCTGTACTCCCTGTTCACAGATCGGAAGAGCGGTTCAG
chr22	29694673	29694712	EWSR1_2634	-	GTGACCTATGCACCAGACGTAACAACAAGAAACAGCAAATCATTTCTCTGTAGCACCAAAAGATCGGAAGAGCGGTTCAG
chr22	29695174	29695213	EWSR1_2635	-	GTGACCTATGCACCAGACGTTTACATCACAGCAGAAATCACCAATTGAACTAAGGAAGATAGATCGGAAGAGCGGTTCAG
chr22	29695539	29695578	EWSR1_2636	-	GTGACCTATGCACCAGACGTAATAGCAGGGCGAAAGCAGTCAGTGGGTGGCTGCAGAGGCAGATCGGAAGAGCGGTTCAG
chr22	29696062	29696101	EWSR1_2637	-	GTGACCTATGCACCAGACGTAAGAGGGCCCTTCGGTTAGAATGGGAAGGGGTGAGGAAGCAGATCGGAAGAGCGGTTCAG
chr3	10070292	10070331	FANCD2_2638	-	GTGACCTATGCACCAGACGTGTCTTGTGCACTTAAATTACTTCCTAGAGCAAAATCGGGAAGATCGGAAGAGCGGTTCAG
chr3	10074466	10074505	FANCD2_2639	-	GTGACCTATGCACCAGACGTAAAAATTTTCAAGAATATGGCAAATAGTAAAGGAAAAATTAGATCGGAAGAGCGGTTCAG
chr3	10076103	10076142	FANCD2_2640	-	GTGACCTATGCACCAGACGTAAAAGAAGAGCTGGTCACCAGTTTCCTACCATAGTTTTCCAGATCGGAAGAGCGGTTCAG
chr3	10076807	10076846	FANCD2_2641	-	GTGACCTATGCACCAGACGTAAAAGAAATCTGTTTTCCACTTTGCTTTCCTTGTTTTAATAGATCGGAAGAGCGGTTCAG
chr3	10077921	10077960	FANCD2_2642	-	GTGACCTATGCACCAGACGTAGACATAGGGAGTTAGGAGATGATCTCAAAATACACAATAAGATCGGAAGAGCGGTTCAG
chr3	10080913	10080952	FANCD2_2643	-	GTGACCTATGCACCAGACGTAGGAAGAGAAAACAGGGAACTGAGCCTTTCTGGTCAAAATAGATCGGAAGAGCGGTTCAG
chr3	10081355	10081394	FANCD2_2644	-	GTGACCTATGCACCAGACGTAGACACTATTAGAACTGCAGCACATTACCCAGAATAAAGAAGATCGGAAGAGCGGTTCAG
chr3	10083257	10083296	FANCD2_2645	-	GTGACCTATGCACCAGACGTTAGAAAAAGAAAAAAGTTGTATAATGGTTTGAACAGAGCTAGATCGGAAGAGCGGTTCAG
chr3	10084193	10084232	FANCD2_2646	-	GTGACCTATGCACCAGACGTAAAGCACAGAAACTTAATAGGTTTTCATGTCACTACCTCAAGATCGGAAGAGCGGTTCAG
chr3	10084684	10084723	FANCD2_2647	-	GTGACCTATGCACCAGACGTTAAATATTAGCTATGGTTTTCTGCTCATTCATAGTGGGTAAGATCGGAAGAGCGGTTCAG
chr3	10085118	10085157	FANCD2_2648	-	GTGACCTATGCACCAGACGTCAGAGAGGAAAAAAATTACTCTTCTACGTACCAGAAAAGAAGATCGGAAGAGCGGTTCAG
chr3	10085463	10085502	FANCD2_2649	-	GTGACCTATGCACCAGACGTAGGAGAGAGTCACAAAAATATTATGACACATCAGCGAAACAGATCGGAAGAGCGGTTCAG
chr3	10088214	10088253	FANCD2_2650	-	GTGACCTATGCACCAGACGTTAAATATGCAACAACAGAAAAACAGTTAACAAATCAGTACAGATCGGAAGAGCGGTTCAG
chr3	10089551	10089590	FANCD2_2651	-	GTGACCTATGCACCAGACGTGAAGAGTAGAGAGAGAAAAGAAGCTGTAGGAAACAGTTAGAGATCGGAAGAGCGGTTCAG
chr3	10091008	10091047	FANCD2_2652	-	GTGACCTATGCACCAGACGTGAGAGTCAACAGAACAGTGTAAAACAAAATATGGATGGCCAGATCGGAAGAGCGGTTCAG
chr3	10094021	10094060	FANCD2_2653	-	GTGACCTATGCACCAGACGTAATGATGCCAACAATGAGGCTAGCAGCTAACATTTTTCCCAGATCGGAAGAGCGGTTCAG
chr3	10101928	10101967	FANCD2_2654	-	GTGACCTATGCACCAGACGTATGATGAAGAAAGATGAAAATGCTGGAATGGCACAGCAAAAGATCGGAAGAGCGGTTCAG
chr3	10105426	10105465	FANCD2_2655	-	GTGACCTATGCACCAGACGTGAGGAAGAATGGTTTAAACCTTGGGCTGCCAATCTTTCCCAGATCGGAAGAGCGGTTCAG
chr3	10106363	10106402	FANCD2_2656	-	GTGACCTATGCACCAGACGTAAACCAGAATCTGATGTTGCAGCTCAGGAATACGCAAGGCAGATCGGAAGAGCGGTTCAG
chr3	10107028	10107067	FANCD2_2657	-	GTGACCTATGCACCAGACGTGAAATAAATTTCTAGACCACACTTCATAGGTGTATTACTCAGATCGGAAGAGCGGTTCAG
chr3	10107498	10107537	FANCD2_2658	-	GTGACCTATGCACCAGACGTACAAACATTTCCAACTACCTTTAGTGCAAGCCAATAAAACAGATCGGAAGAGCGGTTCAG
chr3	10108843	10108882	FANCD2_2659	-	GTGACCTATGCACCAGACGTCAAATTACATTCTCATACTTCCAAATGTTCAGATTTTAACAGATCGGAAGAGCGGTTCAG
chr3	10114505	10114544	FANCD2_2660	-	GTGACCTATGCACCAGACGTCAGCAGGCTGAAGCTCAATGTGTACCAATTACACACCACCAGATCGGAAGAGCGGTTCAG
chr3	10114887	10114926	FANCD2_2661	-	GTGACCTATGCACCAGACGTAAAAAGAGAAAAGTGACTCAAGTAATTAATAATCATGTTTAGATCGGAAGAGCGGTTCAG
chr3	10116164	10116203	FANCD2_2662	-	GTGACCTATGCACCAGACGTGTCACAGCAACAAAGAGAATATATAAATCTTCTATATTAAAGATCGGAAGAGCGGTTCAG
chr3	10119715	10119754	FANCD2_2663	-	GTGACCTATGCACCAGACGTGAGGAAAGGATTAGTTCCAGGAATGTCCTAGTCATTTCATAGATCGGAAGAGCGGTTCAG
chr3	10122734	10122773	FANCD2_2664	-	GTGACCTATGCACCAGACGTTGCAGAGTTATGAGTGAAGAAACTGCTGGATAGCGTCTCAAGATCGGAAGAGCGGTTCAG
chr3	10122980	10123019	FANCD2_2665	-	GTGACCTATGCACCAGACGTAAATGATTTTAGGACAGTTGCTTCAGTAATTGTCCTCATTAGATCGGAAGAGCGGTTCAG
chr3	10127446	10127485	FANCD2_2666	-	GTGACCTATGCACCAGACGTCAAGGTAAGAGGGGTTAGCTTAGTTTCTGGAAAACTACTTAGATCGGAAGAGCGGTTCAG
chr3	10128768	10128807	FANCD2_2667	-	GTGACCTATGCACCAGACGTACAAGAAAAACAAACAAATGCAATAGTATCCTATGTGTCAAGATCGGAAGAGCGGTTCAG
chr3	10130083	10130122	FANCD2_2668	-	GTGACCTATGCACCAGACGTAGAAGACAAAGGAATCTTACATATGGGAACTTGACCTCATAGATCGGAAGAGCGGTTCAG

chr3	10130462	10130501	FANCD2_2669	-	GTGACCTATGCACCAGACGTAGTCAAATATTTGACCCACTAATTAACAAAGTAGAATACAAGATCGGAAGAGCGGTTCAG
chr3	10131926	10131965	FANCD2_2670	-	GTGACCTATGCACCAGACGTGGAAAAGCATGCGTGCCCACACCATGATGCACTGCTTAGAAGATCGGAAGAGCGGTTCAG
chr3	10133815	10133854	FANCD2_2671	-	GTGACCTATGCACCAGACGTCAAATATATGGGCACCTCTGAGTCACAGCCAAATACTTCCAGATCGGAAGAGCGGTTCAG
chr3	10134919	10134958	FANCD2_2672	-	GTGACCTATGCACCAGACGTGAAAGACAAGAAACCAAGGCTGAGATCTGCTCCTTTGAGCAGATCGGAAGAGCGGTTCAG
chr3	10135923	10135962	FANCD2_2673	-	GTGACCTATGCACCAGACGTGAGACACACTGTTACCTCTAGCTGAGGTATCTCACTGAAAAGATCGGAAGAGCGGTTCAG
chr3	10136834	10136873	FANCD2_2674	-	GTGACCTATGCACCAGACGTTAAGTTTATAAATGCTCTATGAAATGTCCTGATTTCATTTAGATCGGAAGAGCGGTTCAG
chr3	10137960	10137999	FANCD2_2675	-	GTGACCTATGCACCAGACGTATAAATAACATCCATCTTTTGTGAGTTTATCATCATGCCTAGATCGGAAGAGCGGTTCAG
chr3	10140354	10140393	FANCD2_2676	-	GTGACCTATGCACCAGACGTATGGACCAAGAAAATGGTGGGTTATAATGATCACATTTAGAGATCGGAAGAGCGGTTCAG
chr3	10142822	10142861	FANCD2_2677	-	GTGACCTATGCACCAGACGTAAGAATAAATAAATAAGCATTTTAGGTTACTGCTCTGGGTAGATCGGAAGAGCGGTTCAG
chr14	75745636	75745675	FOS_2678	-	GTGACCTATGCACCAGACGTAGGCAAAGCCGGGCGAGGGGCCGAGGGGCGGAGACAGGTGAGATCGGAAGAGCGGTTCAG
chr14	75746530	75746569	FOS_2679	-	GTGACCTATGCACCAGACGTACAGAAGGGGAAAGCCGACGTGAGCGAGCAGGTTCCGGACAGATCGGAAGAGCGGTTCAG
chr14	75747213	75747252	FOS_2680	-	GTGACCTATGCACCAGACGTCACAAAAAAAGACCGACATTCAGTAAAAGTGTCTGCCATCAGATCGGAAGAGCGGTTCAG
chr14	75747436	75747475	FOS_2681	-	GTGACCTATGCACCAGACGTAGGGATAAAGGAAAGCATAAGACACAGTCTTACTCAAGGGAGATCGGAAGAGCGGTTCAG
chr14	75747757	75747796	FOS_2682	-	GTGACCTATGCACCAGACGTTCATCAAAGGGCTCGGTCTTCAGCTCCATGCTGCTGATGCAGATCGGAAGAGCGGTTCAG
chr11	33880852	33880891	LMO2_2683	-	GTGACCTATGCACCAGACGTCCGGGCATCTTTGGGGAGGTGTTCACTGAAGACGCCGTCTAGATCGGAAGAGCGGTTCAG
chr11	33886098	33886137	LMO2_2684	-	GTGACCTATGCACCAGACGTCGGCACTCCACTGGGCCCTCGGAAGGGAGGCTGGGTGGTCAGATCGGAAGAGCGGTTCAG
chr11	33890842	33890881	LMO2_2685	-	GTGACCTATGCACCAGACGTCCCCCCTGCCCCTGCCACCCCCGGTGTCCACGGCCTCGCGAGATCGGAAGAGCGGTTCAG
chr19	15276129	15276168	NOTCH3_2686	-	GTGACCTATGCACCAGACGTAGAGGAATCAAGTCTAAGCTGGGTTGGTGTCACCTGGGCCAGATCGGAAGAGCGGTTCAG
chr19	15276548	15276587	NOTCH3_2687	-	GTGACCTATGCACCAGACGTCACACACTTTGGACCTCAGAGCTGGGGCAGGCATTAGACTAGATCGGAAGAGCGGTTCAG
chr19	15278010	15278049	NOTCH3_2688	-	GTGACCTATGCACCAGACGTGTGCCCCTCCCAAAGGGATGCCCCTCACCCATCCTACCTGAGATCGGAAGAGCGGTTCAG
chr19	15280847	15280886	NOTCH3_2689	-	GTGACCTATGCACCAGACGTCCCTCTGACCTTTGCCCCCTCCTCTGACCCCTCCCCTCAGAGATCGGAAGAGCGGTTCAG
chr19	15281092	15281131	NOTCH3_2690	-	GTGACCTATGCACCAGACGTTGCTCGCTCCCTGTCCCTGACTACGGGGACCTTGTGAACCAGATCGGAAGAGCGGTTCAG
chr19	15281432	15281471	NOTCH3_2691	-	GTGACCTATGCACCAGACGTGCCTTGGGGAGGGGGTGGCGGGGGCGGAGCTGGGGGCGGCAGATCGGAAGAGCGGTTCAG
chr19	15284829	15284868	NOTCH3_2692	-	GTGACCTATGCACCAGACGTCCACCTGGAAAAGCCGTGGTGGCTGGGGAGAGGAGAGATGAGATCGGAAGAGCGGTTCAG
chr19	15289584	15289623	NOTCH3_2693	-	GTGACCTATGCACCAGACGTGTGGCGGCCTTTGGAGGAGGAGTAGGGGCGTGGCCTCTGGAGATCGGAAGAGCGGTTCAG
chr19	15289786	15289825	NOTCH3_2694	-	GTGACCTATGCACCAGACGTGCGAAGGGGCTGGCCTGGGACCCCGCCTGTCATTCCCCCAAGATCGGAAGAGCGGTTCAG
chr19	15290125	15290164	NOTCH3_2695	-	GTGACCTATGCACCAGACGTGCCAGGGTTGGGGGGACAGGATGAGAGGCTGTCTTCATTCAGATCGGAAGAGCGGTTCAG
chr19	15290833	15290872	NOTCH3_2696	-	GTGACCTATGCACCAGACGTGCTCCCCAGGAGAGGGAAGAGGAGGTGGGCATGCTTGGGTAGATCGGAAGAGCGGTTCAG
chr19	15291442	15291481	NOTCH3_2697	-	GTGACCTATGCACCAGACGTGCATGTGGGCGGGCGTGTGGGGCCTTGGGAAGGGGCTCATAGATCGGAAGAGCGGTTCAG
chr19	15291722	15291761	NOTCH3_2698	-	GTGACCTATGCACCAGACGTTTACTGGGGACCTGGGGGAGGAGCCTGCCTGGGATCCTAGAGATCGGAAGAGCGGTTCAG
chr19	15292337	15292376	NOTCH3_2699	-	GTGACCTATGCACCAGACGTCCTCTGCTTGGAGAGCAGGGACTCTGGCTTGGGATGGGGCAGATCGGAAGAGCGGTTCAG
chr19	15295667	15295706	NOTCH3_2700	-	GTGACCTATGCACCAGACGTTGCTTCTCTTCCCTCCTCCTCTCCATCTCCTCTGCCCCCTAGATCGGAAGAGCGGTTCAG
chr19	15296018	15296057	NOTCH3_2701	-	GTGACCTATGCACCAGACGTCACCTTCCCTCTGCAGCCCCACCAACACCATGGGCCTTCTAGATCGGAAGAGCGGTTCAG
chr19	15296248	15296287	NOTCH3_2702	-	GTGACCTATGCACCAGACGTTTCTCAGCCTCAGACACTGCCCCCTCTCCCTGGCCCACCTAGATCGGAAGAGCGGTTCAG
chr19	15297639	15297678	NOTCH3_2703	-	GTGACCTATGCACCAGACGTGGCTGCCATGAGAGGGGGTCCTTAGATCGAGGGTGAAGTCAGATCGGAAGAGCGGTTCAG
chr19	15297866	15297905	NOTCH3_2704	-	GTGACCTATGCACCAGACGTGGGCTGGGGCAGAAACAGCACACCTGGAGGGGCACAGAGGAGATCGGAAGAGCGGTTCAG
chr19	15298642	15298681	NOTCH3_2705	-	GTGACCTATGCACCAGACGTCCAATGACAGTCCGACAAGAATCAGGAGGCGGGGCTTGTGAGATCGGAAGAGCGGTTCAG
chr19	15298996	15299035	NOTCH3_2706	-	GTGACCTATGCACCAGACGTCAGGAGAGGGAGCCCGAAAAGACATGTCTGGGAAGGGGCAAGATCGGAAGAGCGGTTCAG
chr19	15299750	15299789	NOTCH3_2707	-	GTGACCTATGCACCAGACGTGGCGTGGCCTGGGCGGGTCCTGAGGCAGGGGGCGGGGACAAGATCGGAAGAGCGGTTCAG
chr19	15300034	15300073	NOTCH3_2708	-	GTGACCTATGCACCAGACGTCTCCATCGTCTGTGAATGGGCTGGGAAAGAGGGGAGAGGAAGATCGGAAGAGCGGTTCAG
chr19	15302185	15302224	NOTCH3_2709	-	GTGACCTATGCACCAGACGTGTTTTCTCTGCAGGGAGCCATGGATGGTTTTTAGTGAGGGAGATCGGAAGAGCGGTTCAG
chr19	15302506	15302545	NOTCH3_2710	-	GTGACCTATGCACCAGACGTCGGCCAGAGGGAGCGGGGAGGCAGGCCTCGGGTGGACATGAGATCGGAAGAGCGGTTCAG
chr19	15302721	15302760	NOTCH3_2711	-	GTGACCTATGCACCAGACGTCCTACTCAGGAGAGTCAGAGGGGTGGGCGTGGGGACAGCAAGATCGGAAGAGCGGTTCAG
chr19	15303138	15303177	NOTCH3_2712	-	GTGACCTATGCACCAGACGTAAGAGTCTGGAGGGGAGGTAGTCGGGGGTGTGGTCAGTCCAGATCGGAAGAGCGGTTCAG
chr19	15308261	15308300	NOTCH3_2713	-	GTGACCTATGCACCAGACGTGGCTCAGAGCCACCAGTGGGCCCTGTGTGTGGGGGCGGGGAGATCGGAAGAGCGGTTCAG
chr19	15311549	15311588	NOTCH3_2714	-	GTGACCTATGCACCAGACGTGGGACCTGGCGGATGGGACGAGGGCGGCAGAGGGGGAGTGAGATCGGAAGAGCGGTTCAG
chr19	15271774	15271813	NOTCH3_2715	-	GTGACCTATGCACCAGACGTCGCCTTACCTGGCAGTCCCAGGACATGGCGAGGAGTACCCAGATCGGAAGAGCGGTTCAG
chr19	15272125	15272164	NOTCH3_2716	-	GTGACCTATGCACCAGACGTTGGCTGACAGCTCGGTCACGCTGTCGCCCGTGGACTCGCTAGATCGGAAGAGCGGTTCAG
chr1	226549111	226549150	PARP1_2717	-	GTGACCTATGCACCAGACGTTAGCCGAGTCACACCCGGTGGCTCTGGTATGAATTCACCCAGATCGGAAGAGCGGTTCAG
chr1	226549620	226549659	PARP1_2718	-	GTGACCTATGCACCAGACGTTTGAGTATGCTGTGTGAGCACAAAGGGATGTTCTCGAGCTAGATCGGAAGAGCGGTTCAG
chr1	226550750	226550789	PARP1_2719	-	GTGACCTATGCACCAGACGTTCCAAAGCTGTTGCTACAGCCCGAGGCACCCTGGACAGCAAGATCGGAAGAGCGGTTCAG
chr1	226551594	226551633	PARP1_2720	-	GTGACCTATGCACCAGACGTCTGGCTCTGGGACTGATGGCATTTCATGGGGACAGGTGGAAGATCGGAAGAGCGGTTCAG
chr1	226552653	226552692	PARP1_2721	-	GTGACCTATGCACCAGACGTGGCCTGGCGAGGGGTGGGCAATGCCTGTCTCTGCAGGTGTAGATCGGAAGAGCGGTTCAG
chr1	226553605	226553644	PARP1_2722	-	GTGACCTATGCACCAGACGTCTTCTTCCCCCACTTCCTTCTGTGTCCTGCCAGCTCTTCCAGATCGGAAGAGCGGTTCAG
chr1	226555850	226555889	PARP1_2723	-	GTGACCTATGCACCAGACGTGGTTCAGAAGGGACTGCAGGTCTGCTGGGCTGGGGTGTGAAGATCGGAAGAGCGGTTCAG
chr1	226558085	226558124	PARP1_2724	-	GTGACCTATGCACCAGACGTGGCTACCAGGGGCCTCCTGGAACCCTCCTCTGGCCGACTTAGATCGGAAGAGCGGTTCAG
chr1	226561877	226561916	PARP1_2725	-	GTGACCTATGCACCAGACGTTTTATCATTTTATCTGTGAGCATTTGCTGTGGATGATTATAGATCGGAAGAGCGGTTCAG
chr1	226564759	226564798	PARP1_2726	-	GTGACCTATGCACCAGACGTAATGCCCTTACACTGTCTGCTTCTAGGAAAAGGAAGGGACAGATCGGAAGAGCGGTTCAG

chr1	226566793	226566832	PARP1_2727	-	GTGACCTATGCACCAGACGTCAGGTGTAGCCTGGTTGTGCAGAGACATGGGCCCGTCCTGAGATCGGAAGAGCGGTTCAG
chr1	226567224	226567263	PARP1_2728	-	GTGACCTATGCACCAGACGTAGGACTGCCAGCAAAGTGGGCTGTGCCGCCCCCCAACCCCAGATCGGAAGAGCGGTTCAG
chr1	226567573	226567612	PARP1_2729	-	GTGACCTATGCACCAGACGTCAAGCTGCCCCCTCCAGGGCCAAAAGCCAGGGACATTGGTAGATCGGAAGAGCGGTTCAG
chr1	226568719	226568758	PARP1_2730	-	GTGACCTATGCACCAGACGTTCTGAATTTGTGCAACAGGGACAATGCTTCTGTATCTTATAGATCGGAAGAGCGGTTCAG
chr1	226570687	226570726	PARP1_2731	-	GTGACCTATGCACCAGACGTTGGGACCCCGGTCTTAGAGCTGCTTTGCAGGAATTGTTTGAGATCGGAAGAGCGGTTCAG
chr1	226573155	226573194	PARP1_2732	-	GTGACCTATGCACCAGACGTGGGGAAGATCCTGGGATCTGTTGGGAGAAAAACCTGGCCCAGATCGGAAGAGCGGTTCAG
chr1	226573977	226574016	PARP1_2733	-	GTGACCTATGCACCAGACGTTTTGTGTTAAGTGGGACACGCATGTGAGGCCGACCCCGTCAGATCGGAAGAGCGGTTCAG
chr1	226576307	226576346	PARP1_2734	-	GTGACCTATGCACCAGACGTAGCTCTGTGTCTCCTTTCGACATTCTGCTGTCTGGATTCTAGATCGGAAGAGCGGTTCAG
chr1	226578061	226578100	PARP1_2735	-	GTGACCTATGCACCAGACGTCACTGCGGGGTTGCCCTGGGGGTTCAGTGAGGGGTTCAAGAGATCGGAAGAGCGGTTCAG
chr1	226579850	226579889	PARP1_2736	-	GTGACCTATGCACCAGACGTGGGGGCCCAGATCCCTGAACTTTATGGATTGCTTGCAATGAGATCGGAAGAGCGGTTCAG
chr1	226589865	226589904	PARP1_2737	-	GTGACCTATGCACCAGACGTACTGGGGCAGCATGGGCATTCAGCCCCCACCCTGAAGCTCAGATCGGAAGAGCGGTTCAG
chr17	64302164	64302203	PRKCA_2738	-	GTGACCTATGCACCAGACGTAAAACAAGAACAAAATATCTTAACATATTTTCTGTTGGATAGATCGGAAGAGCGGTTCAG
chr17	64492269	64492308	PRKCA_2739	-	GTGACCTATGCACCAGACGTAAAAGGAAACTAAAATTAGAATAGACATGATTTAACATACAGATCGGAAGAGCGGTTCAG
chr17	64637423	64637462	PRKCA_2740	-	GTGACCTATGCACCAGACGTAAGAAGCACAATGCTCATTTTAGTCATGAAAGGACCACGTAGATCGGAAGAGCGGTTCAG
chr17	64641451	64641490	PRKCA_2741	-	GTGACCTATGCACCAGACGTAGAAAGGAGAGGGTGAGCTGGGCATATGGACTCCAACCACAGATCGGAAGAGCGGTTCAG
chr17	64683179	64683218	PRKCA_2742	-	GTGACCTATGCACCAGACGTAGAAGGAAGAAAATATTACAAAAAGAGAACAGACCTATATAGATCGGAAGAGCGGTTCAG
chr17	64684370	64684409	PRKCA_2743	-	GTGACCTATGCACCAGACGTCACACACATGCAAACACTAGGTTATCTTGATCATGGTTTCAGATCGGAAGAGCGGTTCAG
chr17	64685019	64685058	PRKCA_2744	-	GTGACCTATGCACCAGACGTCGGGAGAAGAAGAGTTACCACCGCAAGTTTAACAAGCCTTAGATCGGAAGAGCGGTTCAG
chr17	64728756	64728795	PRKCA_2745	-	GTGACCTATGCACCAGACGTAGCACAAATGGGAAACACGTGGGTCATTTTTCTGGGGAAAAGATCGGAAGAGCGGTTCAG
chr17	64731557	64731596	PRKCA_2746	-	GTGACCTATGCACCAGACGTGTCAAGAACAACCTGAACACTTGTAAGCACATATCTTGGGAGATCGGAAGAGCGGTTCAG
chr17	64734832	64734871	PRKCA_2747	-	GTGACCTATGCACCAGACGTAGGTTCAACACATGAGCAGGGCTCCTCCCCAGCCAAGTGGAGATCGGAAGAGCGGTTCAG
chr17	64737727	64737766	PRKCA_2748	-	GTGACCTATGCACCAGACGTAAACGGGCTTCAGGTTTCTCACTTGCTTCCTTAGATGCCTAGATCGGAAGAGCGGTTCAG
chr17	64738690	64738729	PRKCA_2749	-	GTGACCTATGCACCAGACGTCCGGGTTAACATCAGAGTCCTTCCCATGACATAACATGGTAGATCGGAAGAGCGGTTCAG
chr17	64770055	64770094	PRKCA_2750	-	GTGACCTATGCACCAGACGTACAAACACATCAATTACATTAGTGGTAAGTCCAATAGCCCAGATCGGAAGAGCGGTTCAG
chr17	64782935	64782974	PRKCA_2751	-	GTGACCTATGCACCAGACGTAAAAAAGAAAGATGGGAAAGTATTTAGGCAGAGTAATTCAAGATCGGAAGAGCGGTTCAG
chr17	64784907	64784946	PRKCA_2752	-	GTGACCTATGCACCAGACGTAAAGGAGAAAAGGAGAACAATGGATGTCAAGGGCTTCCCAAGATCGGAAGAGCGGTTCAG
chr17	64799941	64799980	PRKCA_2753	-	GTGACCTATGCACCAGACGTAAGACAAAAAGAAGGAAAGGTCAGTCAACATGACAATGCGAGATCGGAAGAGCGGTTCAG
chr18	45368148	45368187	SMAD2_2754	-	GTGACCTATGCACCAGACGTATCAAGTCCCATGAAAAGACTTAATGTAACAACTCTTCTGAGATCGGAAGAGCGGTTCAG
chr18	45371661	45371700	SMAD2_2755	-	GTGACCTATGCACCAGACGTCATATTTGGTTCTTAAATTTCCACAGTGTAATTATGTTTCAGATCGGAAGAGCGGTTCAG
chr18	45371984	45372023	SMAD2_2756	-	GTGACCTATGCACCAGACGTAATAATGTACATAAACCTATCATGTCAACTTGCTTAGTTTAGATCGGAAGAGCGGTTCAG
chr18	45374796	45374835	SMAD2_2757	-	GTGACCTATGCACCAGACGTTTTTCCTTGTTGTGAAAAATAAATGCTGTATACTCATAATAGATCGGAAGAGCGGTTCAG
chr18	45377595	45377634	SMAD2_2758	-	GTGACCTATGCACCAGACGTCATATGTTCCCCTCATCATTTTTATACTGTATCACCTACTAGATCGGAAGAGCGGTTCAG
chr18	45391380	45391419	SMAD2_2759	-	GTGACCTATGCACCAGACGTTGTCTTTGAAAATTCCTCAGTTATTAGATATACATTTCTTAGATCGGAAGAGCGGTTCAG
chr18	45394644	45394683	SMAD2_2760	-	GTGACCTATGCACCAGACGTCTTCTGAATCTCCTAAAACTTGGATAGATACAAATTTTGTAGATCGGAAGAGCGGTTCAG
chr18	45395564	45395603	SMAD2_2761	-	GTGACCTATGCACCAGACGTTGCAAGTTTTTTTCTTGGTTTTGAATTAAATGCCTGAACTAGATCGGAAGAGCGGTTCAG
chr18	45396796	45396835	SMAD2_2762	-	GTGACCTATGCACCAGACGTTGCCCTCTGTCGAATCTTAGAGATCTTGTGGGAGGGGGGTAGATCGGAAGAGCGGTTCAG
chr18	45422842	45422881	SMAD2_2763	-	GTGACCTATGCACCAGACGTTTAGATCCCAGGTTTGATCAAATTATGTCAAGGAATCTGAAGATCGGAAGAGCGGTTCAG
chr15	67430315	67430354	SMAD3_2764	-	GTGACCTATGCACCAGACGTTTGGGAGGTCACAGGGACGGGAGGGAGGGATTCTGATGATAGATCGGAAGAGCGGTTCAG
chr15	67457183	67457222	SMAD3_2765	-	GTGACCTATGCACCAGACGTGGGGAGGGGCAGAAAGAGAGGGAAATGTGGATTGTGCTTGAGATCGGAAGAGCGGTTCAG
chr15	67457541	67457580	SMAD3_2766	-	GTGACCTATGCACCAGACGTGAGACAGAGCAGAGGTGGCTCAGTGTCGATGCCAGACCAGAGATCGGAAGAGCGGTTCAG
chr15	67459067	67459106	SMAD3_2767	-	GTGACCTATGCACCAGACGTGAAGGAAGGTGGTCTGTTAAAAGGCCTTCACAGCTTGGCTAGATCGGAAGAGCGGTTCAG
chr15	67462842	67462881	SMAD3_2768	-	GTGACCTATGCACCAGACGTAGACAAGTTGTGAGACTTCACAAAAGATTCTTGGCCTGGAAGATCGGAAGAGCGGTTCAG
chr15	67473529	67473568	SMAD3_2769	-	GTGACCTATGCACCAGACGTAGGGTGGGCTACTGGGTCATTGGGTGTCCCAAGCCCCATGAGATCGGAAGAGCGGTTCAG
chr15	67477015	67477054	SMAD3_2770	-	GTGACCTATGCACCAGACGTTCAGGTTAGACTGGACAGGGTGCCTTTGCTCACACACAATAGATCGGAAGAGCGGTTCAG
chr15	67479653	67479692	SMAD3_2771	-	GTGACCTATGCACCAGACGTCACAGAAACAGGGCTGTGGGGATGGAAGTGGCCAGGTCCGAGATCGGAAGAGCGGTTCAG
chr15	67482701	67482740	SMAD3_2772	-	GTGACCTATGCACCAGACGTTAGGGAAAGGGGTGGGGTGGGGGACTTAAAAAATCTCCAGAGATCGGAAGAGCGGTTCAG
chr9	135771572	135771611	TSC1_2773	-	GTGACCTATGCACCAGACGTTCAATCAGTGTTAACTTGCATATTGTTGGCACAGAACAGGAGATCGGAAGAGCGGTTCAG
chr9	135772521	135772560	TSC1_2774	-	GTGACCTATGCACCAGACGTAGAACTGATTCATGACCTTGGGACTAAGCTGCCAATTCCAAGATCGGAAGAGCGGTTCAG
chr9	135772760	135772799	TSC1_2775	-	GTGACCTATGCACCAGACGTTCAGGAAAGGCTTTTGTGTTTTTATTAAGTGGAACTTCCTAGATCGGAAGAGCGGTTCAG
chr9	135776052	135776091	TSC1_2776	-	GTGACCTATGCACCAGACGTGCTCGGGAGCCAGACCTTAGTGGGGAAAGCGTTTCAGACCAGATCGGAAGAGCGGTTCAG
chr9	135776926	135776965	TSC1_2777	-	GTGACCTATGCACCAGACGTATGAGGCAGACCTGAATCTGCTGAAACACCATTTGCTAACAGATCGGAAGAGCGGTTCAG
chr9	135777942	135777981	TSC1_2778	-	GTGACCTATGCACCAGACGTCAGCACCAGGCAAAGCCAACTGCGAGAATGCCGGAGAGCAAGATCGGAAGAGCGGTTCAG
chr9	135778988	135779027	TSC1_2779	-	GTGACCTATGCACCAGACGTGGGAGGGGACAGGTGGAGCTTGCTTTTTGTTTTGTTTTGGAGATCGGAAGAGCGGTTCAG
chr9	135779748	135779787	TSC1_2780	-	GTGACCTATGCACCAGACGTTACTTTAGCTCCAAATCCAGCCCACATGGTTCCTGCTTGCAGATCGGAAGAGCGGTTCAG
chr9	135780918	135780957	TSC1_2781	-	GTGACCTATGCACCAGACGTGGGGCACTCTCTTCTGTGTTAAATGGTCCATTTTATTGTGAGATCGGAAGAGCGGTTCAG
chr9	135782068	135782107	TSC1_2782	-	GTGACCTATGCACCAGACGTTGGGATTGCTATGAGTTGATAAAACCTGACCCTCGCTCTGAGATCGGAAGAGCGGTTCAG
chr9	135782638	135782677	TSC1_2783	-	GTGACCTATGCACCAGACGTTGCGTTACTACAGGCCTTGCTTGCCTCTTCTAATTGGGTTAGATCGGAAGAGCGGTTCAG
chr9	135785908	135785947	TSC1_2784	-	GTGACCTATGCACCAGACGTGCTCGTCTGCTATCCCTCTGCCCAGGCACAGTGACTCACTAGATCGGAAGAGCGGTTCAG

chr9	135786339	135786378	TSC1_2785	-	GTGACCTATGCACCAGACGTCTTAGGTTGGATTTGATTAGTTGGTTTTGGCCTGCCTTTAAGATCGGAAGAGCGGTTCAG
chr9	135786790	135786829	TSC1_2786	-	GTGACCTATGCACCAGACGTAACTAGTGTGCCTGCTCTCTCCTCTGCTTTCTGGTGAAGCAGATCGGAAGAGCGGTTCAG
chr9	135787619	135787658	TSC1_2787	-	GTGACCTATGCACCAGACGTTCTTTGGTACTTATCTGTTTTGCAACTTTGTCTCTGGAAAAGATCGGAAGAGCGGTTCAG
chr9	135796700	135796739	TSC1_2788	-	GTGACCTATGCACCAGACGTTAGTGTCAAAATTTTAAAGAATCTTTCGAGAGATTGAAAAAGATCGGAAGAGCGGTTCAG
chr9	135797156	135797195	TSC1_2789	-	GTGACCTATGCACCAGACGTACTGCTTGTTTGTTTGCTACTTAGTATACTGTTTAGATAGAGATCGGAAGAGCGGTTCAG
chr9	135798685	135798724	TSC1_2790	-	GTGACCTATGCACCAGACGTCCTCATATACCTGTTGGGCCCTGTGAGGTGAATGCTTTCAAGATCGGAAGAGCGGTTCAG
chr9	135800924	135800963	TSC1_2791	-	GTGACCTATGCACCAGACGTTGTAAGGATTTGAATGAAATGGTTTTATGAGTATAGTTTCAGATCGGAAGAGCGGTTCAG
chr9	135802538	135802577	TSC1_2792	-	GTGACCTATGCACCAGACGTAAATATCATAGGCATTTCATATGTTCTTCATGAGTACAACAGATCGGAAGAGCGGTTCAG
chr9	135804104	135804143	TSC1_2793	-	GTGACCTATGCACCAGACGTTAATATCCTTTTTAGCTTATCTTCTAGAAAGAAGAGATTGAGATCGGAAGAGCGGTTCAG
chr9	135771832	135771871	TSC1_2794	-	GTGACCTATGCACCAGACGTCAGTTCAAAAAGCTTCCTGGGTATGAAGGCTCGAGAGTTAAGATCGGAAGAGCGGTTCAG
chr9	135781197	135781236	TSC1_2795	-	GTGACCTATGCACCAGACGTGAGACCAGTATCTTCACTCCCAGTCCTTGTAAAATTCCACAGATCGGAAGAGCGGTTCAG
chr16	4015726	4015765	ADCY9_2796	-	GTGACCTATGCACCAGACGTACCCGCTGCCCGAGGTGCTCTGTTTGTCGAAACACAGTAAAGATCGGAAGAGCGGTTCAG
chr16	4024620	4024659	ADCY9_2797	-	GTGACCTATGCACCAGACGTAATATTGCACTTCTGTCTGAATAAACGAGAGTGACTGTATAGATCGGAAGAGCGGTTCAG
chr16	4027433	4027472	ADCY9_2798	-	GTGACCTATGCACCAGACGTAGCACTGCTTGCGGGCACCAGGGTGCGTGGCCACCTTGCCAGATCGGAAGAGCGGTTCAG
chr16	4029067	4029106	ADCY9_2799	-	GTGACCTATGCACCAGACGTGCTCAGCCGTTTTATTTCCACGCTCTCCTGGACTCCCTAAAGATCGGAAGAGCGGTTCAG
chr16	4033183	4033222	ADCY9_2800	-	GTGACCTATGCACCAGACGTCGTGGACTGGGTCTCCAGCTCTGAGCCGTTAGCTCCCTCTAGATCGGAAGAGCGGTTCAG
chr16	4038945	4038984	ADCY9_2801	-	GTGACCTATGCACCAGACGTTTCTCCTTGCGCTTTTACTAAAGAATGTGTTTGTTGTTCTAGATCGGAAGAGCGGTTCAG
chr16	4042097	4042136	ADCY9_2802	-	GTGACCTATGCACCAGACGTGGCTGTCTGGGAAAAAGCAAAGGTTGCAGGCAGAAGCCTCAGATCGGAAGAGCGGTTCAG
chr16	4043357	4043396	ADCY9_2803	-	GTGACCTATGCACCAGACGTCATGGCTGTTGTTCCTGTCAGTTCCTCTCCTGGCGCATCCAGATCGGAAGAGCGGTTCAG
chr16	4057319	4057358	ADCY9_2804	-	GTGACCTATGCACCAGACGTTTGTTTTTTTTTTCCTACTTCTAAAACTTTCTATTAATTCAGATCGGAAGAGCGGTTCAG
chr16	4163701	4163740	ADCY9_2805	-	GTGACCTATGCACCAGACGTTGCTTTACCTCGGCATCCCCCCTCCCTGATCCTGATTGTAAGATCGGAAGAGCGGTTCAG
chr16	4016123	4016162	ADCY9_2806	-	GTGACCTATGCACCAGACGTAGAGGGACCGTGAATGTCAAGGGGAAAGGCCAGATGAAGAGATCGGAAGAGCGGTTCAG
chr16	4016520	4016559	ADCY9_2807	-	GTGACCTATGCACCAGACGTCGAGCTCCTAAGCAAGCCGGACTACAGCAGCATCGAGAAGAGATCGGAAGAGCGGTTCAG
chr16	4164124	4164163	ADCY9_2808	-	GTGACCTATGCACCAGACGTCCGCCTGTGTGAGGAGACCAAGTGTGAGAAAATCAGCACCAGATCGGAAGAGCGGTTCAG
chr16	4164547	4164586	ADCY9_2809	-	GTGACCTATGCACCAGACGTGCTCCACGGCTGCATCCACGCCATCGGGGTCCACCTGTTCAGATCGGAAGAGCGGTTCAG
chr16	4164970	4165009	ADCY9_2810	-	GTGACCTATGCACCAGACGTGGTCGCCCCCGCGCTGTGCTTCCTCCTGGTGTGTGTGGGCAGATCGGAAGAGCGGTTCAG
chr12	58120285	58120324	AGAP2_2811	-	GTGACCTATGCACCAGACGTGGAGAGACACCCCCATCCCCACGCGGGCCGGGCACGACCAAGATCGGAAGAGCGGTTCAG
chr12	58120707	58120746	AGAP2_2812	-	GTGACCTATGCACCAGACGTTGGGGGGAGGAAAGGGGGTCTTTGAGGCTTCATCTCGGAAAGATCGGAAGAGCGGTTCAG
chr12	58121093	58121132	AGAP2_2813	-	GTGACCTATGCACCAGACGTGGGAACAGAGCGGGGGGAGGGTTGCTGAGGGTGTGCGAACAGATCGGAAGAGCGGTTCAG
chr12	58121414	58121453	AGAP2_2814	-	GTGACCTATGCACCAGACGTGGAGGCAGCGGAGGGGCTAGGGAGTGTAGTGAATGCCGGGAGATCGGAAGAGCGGTTCAG
chr12	58121670	58121709	AGAP2_2815	-	GTGACCTATGCACCAGACGTGAGGTGGAGTGGAGGACTGGCCGCAGGAACTGACCCTGGTAGATCGGAAGAGCGGTTCAG
chr12	58122051	58122090	AGAP2_2816	-	GTGACCTATGCACCAGACGTGGGAGCCGGGAGGGGCGCTCAGCTGGGGTGCAGAAGGGTGAGATCGGAAGAGCGGTTCAG
chr12	58123372	58123411	AGAP2_2817	-	GTGACCTATGCACCAGACGTGGCAGGCACTTCCACTCCCACCCAGAACCCTCATCCCCAAAGATCGGAAGAGCGGTTCAG
chr12	58124228	58124267	AGAP2_2818	-	GTGACCTATGCACCAGACGTATGACCTTCCATCTGCTGTCTTCCACACCCAAATAGGATGAGATCGGAAGAGCGGTTCAG
chr12	58124524	58124563	AGAP2_2819	-	GTGACCTATGCACCAGACGTTTTATGACATAGGAGCAGAAGAGGGGCCAGGGCTGGGGAAAGATCGGAAGAGCGGTTCAG
chr12	58125099	58125138	AGAP2_2820	-	GTGACCTATGCACCAGACGTGAGACTGGGCCACATTGGCCAGCTTTGGATTTCCCTCAAGAGATCGGAAGAGCGGTTCAG
chr12	58125289	58125328	AGAP2_2821	-	GTGACCTATGCACCAGACGTCAGGGGCTGGGACAGGCTAGGGGCAGCTGGTCTTAGTTGGAGATCGGAAGAGCGGTTCAG
chr12	58125542	58125581	AGAP2_2822	-	GTGACCTATGCACCAGACGTTGGACATGCTGACCCCCATCCTCCTGTCCCCCATGACCTGAGATCGGAAGAGCGGTTCAG
chr12	58126136	58126175	AGAP2_2823	-	GTGACCTATGCACCAGACGTGTTTCAGAGTCTGCAGAGGGGCCGGTAAGATGCAGAGGGGAGATCGGAAGAGCGGTTCAG
chr12	58126578	58126617	AGAP2_2824	-	GTGACCTATGCACCAGACGTTGATCTCCAGCATATGTGGGAAGCCAGAGCAAGGGGCCTGAGATCGGAAGAGCGGTTCAG
chr12	58127759	58127798	AGAP2_2825	-	GTGACCTATGCACCAGACGTGTTAGGAAAGCACTGCTTTCAAGGGAGGCCCTAAGGAGGCAGATCGGAAGAGCGGTTCAG
chr12	58128052	58128091	AGAP2_2826	-	GTGACCTATGCACCAGACGTAGGTGGTGGGGGACAGGCTGGCTGGGGTCAGCACTGGCCAAGATCGGAAGAGCGGTTCAG
chr12	58128325	58128364	AGAP2_2827	-	GTGACCTATGCACCAGACGTAAGAGCCATAGTAAGCTAACCATTGGGGTCAGGGATCCAGAGATCGGAAGAGCGGTTCAG
chr12	58129102	58129141	AGAP2_2828	-	GTGACCTATGCACCAGACGTCAGTCCCCTTGCCTATAGGGAAGGCTGACCTCCCACCCACAGATCGGAAGAGCGGTTCAG
chr12	58130812	58130851	AGAP2_2829	-	GTGACCTATGCACCAGACGTTCAGGGCTTGAGAACAGGGAGGGAAGGGTACCTGGAATGCAGATCGGAAGAGCGGTTCAG
chr12	58135645	58135684	AGAP2_2830	-	GTGACCTATGCACCAGACGTGGTCAGCCCTCAACTTGGGTGTATCAGGGACTAGCAGGTGAGATCGGAAGAGCGGTTCAG
chr12	58131201	58131240	AGAP2_2831	-	GTGACCTATGCACCAGACGTGGGAAGTTGTCCCCTCGGAAAGGCAAGAGTAAGACCTTGGAGATCGGAAGAGCGGTTCAG
chr12	58131590	58131629	AGAP2_2832	-	GTGACCTATGCACCAGACGTGGGGCGCCCCCACCTCCTCCCGGCGCCCCCTGCTCAGCAGAGATCGGAAGAGCGGTTCAG
chr19	49458755	49458794	BAX_2833	-	GTGACCTATGCACCAGACGTAAGGAAGGGAAGAGGTACCTGGACTCTTGGGTTCTAGGGGAGATCGGAAGAGCGGTTCAG
chr19	49458894	49458933	BAX_2834	-	GTGACCTATGCACCAGACGTGATGGAGTGAGGGTGCAGAATCAGAACGGGGTGTCACTCCAGATCGGAAGAGCGGTTCAG
chr19	49459405	49459444	BAX_2835	-	GTGACCTATGCACCAGACGTGAGGAGAACCAGTGCCGGGGAGCAGGCATCAGGCTGATGGAGATCGGAAGAGCGGTTCAG
chr19	49464017	49464056	BAX_2836	-	GTGACCTATGCACCAGACGTTGGAGTGGGCGTTAGGGACTGAACCTTGTCCCCACTGCCTAGATCGGAAGAGCGGTTCAG
chr19	49464739	49464778	BAX_2837	-	GTGACCTATGCACCAGACGTGGACATCAGTCGCTTCAGTGACTCGGCCAGGGGCAGCCCCAGATCGGAAGAGCGGTTCAG
chr2	60679650	60679689	BCL11A_2838	-	GTGACCTATGCACCAGACGTGGTGGGGTGGACGCGTGCCGCCCAGTCGACGTCAGCGTGGAGATCGGAAGAGCGGTTCAG
chr2	60679660	60679699	BCL11A_2839	-	GTGACCTATGCACCAGACGTAGCCCCCAGGGGTGGGGTGGACGCGTGCCGCCCAGTCGACAGATCGGAAGAGCGGTTCAG
chr2	60687489	60687528	BCL11A_2840	-	GTGACCTATGCACCAGACGTATACCCCTCCCTCACTCCCACCTGACACCCCCTTTTTCACAGATCGGAAGAGCGGTTCAG
chr2	60687767	60687806	BCL11A_2841	-	GTGACCTATGCACCAGACGTTGGGAAAGTCTTCAAGAACTGTAGCAATCTCACTGTCCACAGATCGGAAGAGCGGTTCAG
chr2	60689367	60689406	BCL11A_2842	-	GTGACCTATGCACCAGACGTCTTCAGGACTAGGTGCAGAATGTCCTTCCCAGCCACCTCTAGATCGGAAGAGCGGTTCAG

chr2	60695817	60695856	BCL11A_2843	-	GTGACCTATGCACCAGACGTCCTTATTTCTTCTACAAATGTCCATGTGTATAGAGATGAGAGATCGGAAGAGCGGTTCAG
chr2	60773056	60773095	BCL11A_2844	-	GTGACCTATGCACCAGACGTAGCAAGGAGAAAAGCTGTTTGCATGTTTTCTTTTCATTTTAGATCGGAAGAGCGGTTCAG
chr2	60688203	60688242	BCL11A_2845	-	GTGACCTATGCACCAGACGTTTAATGGCCGCGGCTGCTCCCCGGGCGAGTCGGCCTCGGGAGATCGGAAGAGCGGTTCAG
chr2	60688639	60688678	BCL11A_2846	-	GTGACCTATGCACCAGACGTGGCAGCGCCAGCAGCGCGCTCAAGTCCGTGGTGGCCAAGTAGATCGGAAGAGCGGTTCAG
chr2	60689075	60689114	BCL11A_2847	-	GTGACCTATGCACCAGACGTCGCCATGGATTTCTCTAGGAGACTTAGAGAGCTGGCAGGGAGATCGGAAGAGCGGTTCAG
chr2	60687893	60687932	BCL11A_2848	-	GTGACCTATGCACCAGACGTGCTGGACGGAGGGATCTCGGGGCGCAGCGGCACGGGAAGTAGATCGGAAGAGCGGTTCAG
chr2	60688297	60688336	BCL11A_2849	-	GTGACCTATGCACCAGACGTAAGCGCGGCCACCTGGCCGAGGCCGAGGGCCACAGGGACAAGATCGGAAGAGCGGTTCAG
chr2	60688701	60688740	BCL11A_2850	-	GTGACCTATGCACCAGACGTTCAAGTCCGACGACGGTCTCTCCACCGCCAGCTCCCCGGAAGATCGGAAGAGCGGTTCAG
chr2	60689105	60689144	BCL11A_2851	-	GTGACCTATGCACCAGACGTGCGGTTGAATCCAATGGCTATGGAGCCTCCCGCCATGGATAGATCGGAAGAGCGGTTCAG
chr22	23595936	23595975	BCR_2852	-	GTGACCTATGCACCAGACGTAAAGAAGCATCCTGTGTTAGAGACAGAGAAGGGAGCATCCAGATCGGAAGAGCGGTTCAG
chr22	23603087	23603126	BCR_2853	-	GTGACCTATGCACCAGACGTAATAGACAGAAGTCAGCCTGGAAGGGTGGTAGGGGGATTCAGATCGGAAGAGCGGTTCAG
chr22	23603492	23603531	BCR_2854	-	GTGACCTATGCACCAGACGTGCACAAGTGAGGTAGCACAGGTGAGAGGGGCTGCCATCCGAGATCGGAAGAGCGGTTCAG
chr22	23610545	23610584	BCR_2855	-	GTGACCTATGCACCAGACGTGGAAGGAAGAGAGAGTGGGACAGGTGCTGCTGCTCCCCCAAGATCGGAAGAGCGGTTCAG
chr22	23613669	23613708	BCR_2856	-	GTGACCTATGCACCAGACGTAAAAGCGCATGTTCACACAGATGACAGAAGCAGCTTTGATAGATCGGAAGAGCGGTTCAG
chr22	23615218	23615257	BCR_2857	-	GTGACCTATGCACCAGACGTAGAGGGGAGGTGAGAGAGGTTGCACATGGAGAAGCACACCAGATCGGAAGAGCGGTTCAG
chr22	23615771	23615810	BCR_2858	-	GTGACCTATGCACCAGACGTAAGAAAGACTTGAGTTAGACACAGAGGAGCACTGGCACCTAGATCGGAAGAGCGGTTCAG
chr22	23626114	23626153	BCR_2859	-	GTGACCTATGCACCAGACGTAGGGAAGGCTGGGGTCAGGGCCAGCCTGGGGTGATGGGTGAGATCGGAAGAGCGGTTCAG
chr22	23627170	23627209	BCR_2860	-	GTGACCTATGCACCAGACGTGGAGAGAAGAACGTTCACATGCACCGACTGCCTTCTATGGAGATCGGAAGAGCGGTTCAG
chr22	23629296	23629335	BCR_2861	-	GTGACCTATGCACCAGACGTATGCCACAGCCTCACCTTCCCATTCCAGCGCTCCACACAAAGATCGGAAGAGCGGTTCAG
chr22	23630234	23630273	BCR_2862	-	GTGACCTATGCACCAGACGTCAAGAAGAACACACCCAGTTATCTCCGCCCTGGCTACGCAAGATCGGAAGAGCGGTTCAG
chr22	23631654	23631693	BCR_2863	-	GTGACCTATGCACCAGACGTGGAAAAGAGGTGCACCAATTGGTCAATCTGCTCCTTGGCCAGATCGGAAGAGCGGTTCAG
chr22	23632476	23632515	BCR_2864	-	GTGACCTATGCACCAGACGTGATCAAAGAGGTCAGCTTCTGTTGTCCCGGGAAAGGGAGGAGATCGGAAGAGCGGTTCAG
chr22	23634678	23634717	BCR_2865	-	GTGACCTATGCACCAGACGTAAGTGGACATGGAGAAGGTCACAGGTCTTTTCCACATCACAGATCGGAAGAGCGGTTCAG
chr22	23637161	23637200	BCR_2866	-	GTGACCTATGCACCAGACGTAAGGGAGAAGGGAAGTCCAGTGTGAACAAACGGGTCAATGAGATCGGAAGAGCGGTTCAG
chr22	23651561	23651600	BCR_2867	-	GTGACCTATGCACCAGACGTGGAGTCATGATTGGCAGAGGCCCTGGGGTCTGTTCAGAGGAGATCGGAAGAGCGGTTCAG
chr22	23652461	23652500	BCR_2868	-	GTGACCTATGCACCAGACGTGAGAAGGGGCACAGTCCTCTAATCCTTCTGGTCCTCATAGAGATCGGAAGAGCGGTTCAG
chr22	23653834	23653873	BCR_2869	-	GTGACCTATGCACCAGACGTAGGGAATGTTCTCAGTGTCCTAACAGCCCTGCTTGGGCCAAGATCGGAAGAGCGGTTCAG
chr22	23655024	23655063	BCR_2870	-	GTGACCTATGCACCAGACGTCACGGAAATGCAGCGGCCTCCTTGAGGATCCCGAGTGAGTAGATCGGAAGAGCGGTTCAG
chr22	23656105	23656144	BCR_2871	-	GTGACCTATGCACCAGACGTCGGTGGGTTACTCCTTGGGGTCACAACGAGCCAGAGACCTAGATCGGAAGAGCGGTTCAG
chr22	23656689	23656728	BCR_2872	-	GTGACCTATGCACCAGACGTCCAAAGCAGCGGGTGCTGTTTCAACGCCACCCCCAGGAGAAGATCGGAAGAGCGGTTCAG
chr22	23657570	23657609	BCR_2873	-	GTGACCTATGCACCAGACGTAGAGTAGGGAAGAGAAGAGTGGCTCAGAGCGGGGCTCACAAGATCGGAAGAGCGGTTCAG
chr22	23523524	23523563	BCR_2874	-	GTGACCTATGCACCAGACGTGACGCGGCTGCCCCGGGCCTGCGGGCGGTCCCGGGCCTGGAGATCGGAAGAGCGGTTCAG
chr22	23523950	23523989	BCR_2875	-	GTGACCTATGCACCAGACGTCTCTGGTAGGGCTGGTACTCCAGGGGCGGCCAAGGGGGCCAGATCGGAAGAGCGGTTCAG
chr17	76210348	76210387	BIRC5_2876	-	GTGACCTATGCACCAGACGTCCACCTCTGCCAACGGGTCCCGCGATTCAAATCTGGCGGTAGATCGGAAGAGCGGTTCAG
chr17	76210711	76210750	BIRC5_2877	-	GTGACCTATGCACCAGACGTCAGCACAGCTCGTGAGTGGACGTGGCAGCCCGGAACCCCGAGATCGGAAGAGCGGTTCAG
chr17	76211997	76212036	BIRC5_2878	-	GTGACCTATGCACCAGACGTTAAGGGCAGAGAAGGGCATTATTGCCCCGGGTTCCCCAAGAGATCGGAAGAGCGGTTCAG
chr17	76212695	76212734	BIRC5_2879	-	GTGACCTATGCACCAGACGTCAAAACAACAGCGGAAAGGCAGCTGAAGGGATTAAAGCGGAGATCGGAAGAGCGGTTCAG
chr17	76219496	76219535	BIRC5_2880	-	GTGACCTATGCACCAGACGTAGAATAGACACATGACACTGAAACCAGAGCTTCCCAGTCAAGATCGGAAGAGCGGTTCAG
chr7	116165067	116165106	CAV1_2881	-	GTGACCTATGCACCAGACGTGGCTGGATGAAAACTGTGAGGAGGTTTCCCTGGGCTGTGCAGATCGGAAGAGCGGTTCAG
chr7	116166529	116166568	CAV1_2882	-	GTGACCTATGCACCAGACGTCGGAGGGCGGACGGCCAGGACGGGGAGGGCGGCAACGGCGAGATCGGAAGAGCGGTTCAG
chr7	116198950	116198989	CAV1_2883	-	GTGACCTATGCACCAGACGTGAAGTGACACAACATGAGCACAGAATAGAAGAAAAGAGAAAGATCGGAAGAGCGGTTCAG
chr19	30303413	30303452	CCNE1_2884	-	GTGACCTATGCACCAGACGTCTCCGGCCTGAGGCCTGCGGGGCGGCGCGGGGTGAGGCGGAGATCGGAAGAGCGGTTCAG
chr19	30303546	30303585	CCNE1_2885	-	GTGACCTATGCACCAGACGTGGGTGGCACCGGGCCGGGTGAGCACCCGCGGCCGCCCCTCAGATCGGAAGAGCGGTTCAG
chr19	30303568	30303607	CCNE1_2886	-	GTGACCTATGCACCAGACGTTCCTTCGCATCCCTGTGGACCCGGGTGGCACCGGGCCGGGAGATCGGAAGAGCGGTTCAG
chr19	30303826	30303865	CCNE1_2887	-	GTGACCTATGCACCAGACGTGCCACCCCCATGACCCCAAGGAAACACACCAAACAAGACAAGATCGGAAGAGCGGTTCAG
chr19	30307994	30308033	CCNE1_2888	-	GTGACCTATGCACCAGACGTAAAATACACAGGAGAGGTGAGATAAGATGCAAACAGCTCTAGATCGGAAGAGCGGTTCAG
chr19	30308263	30308302	CCNE1_2889	-	GTGACCTATGCACCAGACGTACACACAACAAAAATGAGGCCCACAAAGGGGTAAGAATGCAGATCGGAAGAGCGGTTCAG
chr19	30311559	30311598	CCNE1_2890	-	GTGACCTATGCACCAGACGTATTTAGTAAGTTTTAGCACAAGTAAGTTTTACTTGAGGGAAGATCGGAAGAGCGGTTCAG
chr19	30312579	30312618	CCNE1_2891	-	GTGACCTATGCACCAGACGTATAAAAGATGGCACTAGCACCAAAGCCAATCTCTAACAGTAGATCGGAAGAGCGGTTCAG
chr19	30312853	30312892	CCNE1_2892	-	GTGACCTATGCACCAGACGTACAGAGAGAAAAGAGACCGATGATTGAGAAAAGAAGTTCAAGATCGGAAGAGCGGTTCAG
chr19	30313097	30313136	CCNE1_2893	-	GTGACCTATGCACCAGACGTGAAAAGAACGCTGAGATGGATGCCACCACACGCCTATTCTAGATCGGAAGAGCGGTTCAG
chr19	30313303	30313342	CCNE1_2894	-	GTGACCTATGCACCAGACGTGACATCGTGGGCTTAATCTGAGGCTGACAACTGGATGTAAAGATCGGAAGAGCGGTTCAG
chr19	30314512	30314551	CCNE1_2895	-	GTGACCTATGCACCAGACGTGAATAAAAGGGACAACACATTAGAGTAGAACATATCCTTGAGATCGGAAGAGCGGTTCAG
chr7	14188706	14188745	DGKB_2896	-	GTGACCTATGCACCAGACGTTTTCACTCTTAGAAATTGAATTAGCATAATTGGGCCATGGAGATCGGAAGAGCGGTTCAG
chr7	14216399	14216438	DGKB_2897	-	GTGACCTATGCACCAGACGTATGTCAATCTCAGTTTTGCTTTCCTCTTTGACTAAATAACAGATCGGAAGAGCGGTTCAG
chr7	14216414	14216453	DGKB_2898	-	GTGACCTATGCACCAGACGTAGTAGTTGATATGCTATGTCAATCTCAGTTTTGCTTTCCTAGATCGGAAGAGCGGTTCAG
chr7	14217606	14217645	DGKB_2899	-	GTGACCTATGCACCAGACGTTTCTGTAACTGACAAAGGCGTTTGATATGGCATAGCCTCAAGATCGGAAGAGCGGTTCAG
chr7	14378090	14378129	DGKB_2900	-	GTGACCTATGCACCAGACGTTAACAATTAGTTGTTAAATTGCTTGTTAACCTGTTTTCAAAGATCGGAAGAGCGGTTCAG

chr7	14384876	14384915	DGKB_2901	-	GTGACCTATGCACCAGACGTAATGAATTCTCTTTTGTAATATGATGAAATGGCTTGAGCTAGATCGGAAGAGCGGTTCAG
chr7	14517736	14517775	DGKB_2902	-	GTGACCTATGCACCAGACGTAAAAGAGATGAAATTATAGATATAGTTGCTGAATTTTGCCAGATCGGAAGAGCGGTTCAG
chr7	14613787	14613826	DGKB_2903	-	GTGACCTATGCACCAGACGTCCACTAAATTTTACCTTTGTACCTGTACTGTATAATCACAAGATCGGAAGAGCGGTTCAG
chr7	14620437	14620476	DGKB_2904	-	GTGACCTATGCACCAGACGTTGCAACAACAAAAGCAGAAACAGTACACAACACCCCTTTCAGATCGGAAGAGCGGTTCAG
chr7	14622627	14622666	DGKB_2905	-	GTGACCTATGCACCAGACGTCACATACTTAATATGGCTGGGGAGAGAGCAATAGCTTTAAAGATCGGAAGAGCGGTTCAG
chr7	14647009	14647048	DGKB_2906	-	GTGACCTATGCACCAGACGTGGATAATATTATTACCATTAACTCAGTTAATGTTAATTAAAGATCGGAAGAGCGGTTCAG
chr7	14652915	14652954	DGKB_2907	-	GTGACCTATGCACCAGACGTTGATTGATTTTAGTGTCTATGTCATGTATATGTAAAAAAAAGATCGGAAGAGCGGTTCAG
chr7	14660953	14660992	DGKB_2908	-	GTGACCTATGCACCAGACGTTTAAATCAAAATTTTAGTAGGTTTCATATTTGATACTTCTAGATCGGAAGAGCGGTTCAG
chr7	14669811	14669850	DGKB_2909	-	GTGACCTATGCACCAGACGTAAAAACAGGTTTTCACACTTAAAATTATAGGTCATTATACAGATCGGAAGAGCGGTTCAG
chr7	14712504	14712543	DGKB_2910	-	GTGACCTATGCACCAGACGTCCTTATCATTCTACTATAACTTAGGATTGCTGTGACTTATAGATCGGAAGAGCGGTTCAG
chr7	14722128	14722167	DGKB_2911	-	GTGACCTATGCACCAGACGTATTGGAAAACAAATCCCAGCATTCACCCACACTGAAGACGAGATCGGAAGAGCGGTTCAG
chr7	14722328	14722367	DGKB_2912	-	GTGACCTATGCACCAGACGTGTGCATGCTTGCTTTCTGAAGGTGGCCATTATGTAGTGTGAGATCGGAAGAGCGGTTCAG
chr7	14724820	14724859	DGKB_2913	-	GTGACCTATGCACCAGACGTTTGCTCTGCCTGGACATCATCTCCTCAAGTGAGGAAAGGTAGATCGGAAGAGCGGTTCAG
chr7	14733650	14733689	DGKB_2914	-	GTGACCTATGCACCAGACGTCCACAGAGGAGGGTGGCCTGGTGGTGAGTCAGTGGGGCTCAGATCGGAAGAGCGGTTCAG
chr7	14741256	14741295	DGKB_2915	-	GTGACCTATGCACCAGACGTTCTTCAAAGTTTCTGTGAAAACTTCAAAGATTTTCTTCTGAGATCGGAAGAGCGGTTCAG
chr7	14758117	14758156	DGKB_2916	-	GTGACCTATGCACCAGACGTCTTCATTTTGTTTACTTATCGTGATTGGGGGCAGGAGAAAAGATCGGAAGAGCGGTTCAG
chr7	14775616	14775655	DGKB_2917	-	GTGACCTATGCACCAGACGTTTACTTTAAACATTTATATAGTACAAATTTCAAAGGCTAAAGATCGGAAGAGCGGTTCAG
chr7	14793503	14793542	DGKB_2918	-	GTGACCTATGCACCAGACGTTTCTTTTCTATTAAAGTCTGTCTTTTCTTTCTTTATTCTGAGATCGGAAGAGCGGTTCAG
chr7	14797230	14797269	DGKB_2919	-	GTGACCTATGCACCAGACGTTTTTTCTTTATATCAGTTTCGTATATATGCTTGGAAGAGGAGATCGGAAGAGCGGTTCAG
chr7	14880769	14880808	DGKB_2920	-	GTGACCTATGCACCAGACGTATATTGATATTATGAGATTATTTGACATTTGTGCTAGACAAGATCGGAAGAGCGGTTCAG
chr7	100401033	100401072	EPHB4_2921	-	GTGACCTATGCACCAGACGTCTCCCCACCCCAGGGACACCGCCTCCCCATTTTCCGGGGCAGATCGGAAGAGCGGTTCAG
chr7	100402738	100402777	EPHB4_2922	-	GTGACCTATGCACCAGACGTGCAGGAGCTGGAGTGGGGCTGGGAGAGCGGGGCAGCTGGAAGATCGGAAGAGCGGTTCAG
chr7	100403073	100403112	EPHB4_2923	-	GTGACCTATGCACCAGACGTCAGAGAATGGGCCCTCCTTCCCGCTCTCTGCCCCCACTCCAGATCGGAAGAGCGGTTCAG
chr7	100403992	100404031	EPHB4_2924	-	GTGACCTATGCACCAGACGTCGTGGTCCTACCAAGCTTTCCTCGAGTGTTCTCTCACCTGAGATCGGAAGAGCGGTTCAG
chr7	100404937	100404976	EPHB4_2925	-	GTGACCTATGCACCAGACGTGGGTAATACTGGGTGTGAGCTTCTTAGGGCCAGGTGGGCAAGATCGGAAGAGCGGTTCAG
chr7	100410319	100410358	EPHB4_2926	-	GTGACCTATGCACCAGACGTTCCCTGGCTTCTGCGGCCACCCGGAGTTCCCACTTACACCAGATCGGAAGAGCGGTTCAG
chr7	100410667	100410706	EPHB4_2927	-	GTGACCTATGCACCAGACGTAAGGCTGCCCGGGCACCTGGGAACGAAGCGGGGGTGGGCAAGATCGGAAGAGCGGTTCAG
chr7	100411491	100411530	EPHB4_2928	-	GTGACCTATGCACCAGACGTTGACACCCAGAGGCCCCTGGAAGCCCTCAGTTGATGGCCAAGATCGGAAGAGCGGTTCAG
chr7	100414764	100414803	EPHB4_2929	-	GTGACCTATGCACCAGACGTGGAAGGGGGTGAGGGTGGGGGTTGGAAAGACCCCCAAAGTAGATCGGAAGAGCGGTTCAG
chr7	100416092	100416131	EPHB4_2930	-	GTGACCTATGCACCAGACGTCCCCCAGCCCTGGGGTGGGTGGGCAATGGGTTGTGCTCTCAGATCGGAAGAGCGGTTCAG
chr7	100417129	100417168	EPHB4_2931	-	GTGACCTATGCACCAGACGTGGGGCTGGGGCGGCTGGTGGTCTGGCGGGAGAGATGTCACAGATCGGAAGAGCGGTTCAG
chr7	100417713	100417752	EPHB4_2932	-	GTGACCTATGCACCAGACGTAGCACCCAGGTGCAGTTCACTGGGGAGGGGTCACAGACCTAGATCGGAAGAGCGGTTCAG
chr7	100419843	100419882	EPHB4_2933	-	GTGACCTATGCACCAGACGTGAGCTTCCCCTGCGACTGCTGCTCATCCGGGGGAGAGTCCAGATCGGAAGAGCGGTTCAG
chr7	100421216	100421255	EPHB4_2934	-	GTGACCTATGCACCAGACGTGCCCCCAGGGCTCAGCCACAGCCAAGGTGGGATTCCAGCCAGATCGGAAGAGCGGTTCAG
chr7	100421775	100421814	EPHB4_2935	-	GTGACCTATGCACCAGACGTCACCCAGGAGCTGGAGCTCTGGAGGGAAACTGAGGGAGGAAGATCGGAAGAGCGGTTCAG
chr7	100424551	100424590	EPHB4_2936	-	GTGACCTATGCACCAGACGTTTGCGGGGGGGGGCGCACCCCGTCACTCCTGGGACCTCCCAGATCGGAAGAGCGGTTCAG
chr10	50666811	50666850	ERCC6_2937	-	GTGACCTATGCACCAGACGTTTCCTAAACTTTCAAGTCCCTTTTTCTAACGGGCATTTCTAGATCGGAAGAGCGGTTCAG
chr10	50668369	50668408	ERCC6_2938	-	GTGACCTATGCACCAGACGTTAACCTTTTTGCTTTCCAGGGTGAGACTTGCTTGATTGAAAGATCGGAAGAGCGGTTCAG
chr10	50669348	50669387	ERCC6_2939	-	GTGACCTATGCACCAGACGTGCTGCATGCCATACTTGCAAGGAGTCCAAACAACTAAGGCAGATCGGAAGAGCGGTTCAG
chr10	50678178	50678217	ERCC6_2940	-	GTGACCTATGCACCAGACGTTGATACGTTTGCCACAGGGATGCTAGGATTAGAAAATGAGAGATCGGAAGAGCGGTTCAG
chr10	50678971	50679010	ERCC6_2941	-	GTGACCTATGCACCAGACGTAAATCATTTAATTTAAAGTAATCAATTGCACAAGATGATAAGATCGGAAGAGCGGTTCAG
chr10	50680372	50680411	ERCC6_2942	-	GTGACCTATGCACCAGACGTACAGTGGCCACTCTTGGCTGTGCGTTCCCAGAGTCTTGAGAGATCGGAAGAGCGGTTCAG
chr10	50680905	50680944	ERCC6_2943	-	GTGACCTATGCACCAGACGTATTTTTTTTTTAAAAGAATGTATTAGTAGAAATATAGTTTAGATCGGAAGAGCGGTTCAG
chr10	50681473	50681512	ERCC6_2944	-	GTGACCTATGCACCAGACGTAATGTAACAGGGAAGTTGAGTGGTGCTGCTGTACGTGGAGAGATCGGAAGAGCGGTTCAG
chr10	50682023	50682062	ERCC6_2945	-	GTGACCTATGCACCAGACGTAGACTTCAGACGGGAAACAGGCTGGTTCTTTATGACAGCCAGATCGGAAGAGCGGTTCAG
chr10	50684211	50684250	ERCC6_2946	-	GTGACCTATGCACCAGACGTAAATAGAAGCTGGAGAAATGAATTGTGGACCAAGAGAAGTAGATCGGAAGAGCGGTTCAG
chr10	50686350	50686389	ERCC6_2947	-	GTGACCTATGCACCAGACGTCCAGGAGTTAACGAAGCATTCCTAAAGCACAAGTGTGTCTAGATCGGAAGAGCGGTTCAG
chr10	50690683	50690722	ERCC6_2948	-	GTGACCTATGCACCAGACGTAGGATGATAATACTTTTGGCATTTTAATATTTAAAGTGCTAGATCGGAAGAGCGGTTCAG
chr10	50691342	50691381	ERCC6_2949	-	GTGACCTATGCACCAGACGTTTTTAACAAGGGAGATTTCCAAGTGGAGAAGAATAATTAAAGATCGGAAGAGCGGTTCAG
chr10	50701113	50701152	ERCC6_2950	-	GTGACCTATGCACCAGACGTATTTCAGTACCTTTTTGTTTTGTTTTAATGCCCTCCATTTAGATCGGAAGAGCGGTTCAG
chr10	50708534	50708573	ERCC6_2951	-	GTGACCTATGCACCAGACGTCTCTGCAGACTGTCAGTCTGTGGAGCTCAATTAATATTTCAGATCGGAAGAGCGGTTCAG
chr10	50713880	50713919	ERCC6_2952	-	GTGACCTATGCACCAGACGTTATGTTCTTTCCTTTCTATTTGCTATCAAGCCATTATGTAAGATCGGAAGAGCGGTTCAG
chr10	50732029	50732068	ERCC6_2953	-	GTGACCTATGCACCAGACGTGGGGATTATAAATACATTGTACTGTTTGCTTTATCTTAGGAGATCGGAAGAGCGGTTCAG
chr10	50736413	50736452	ERCC6_2954	-	GTGACCTATGCACCAGACGTTAGGAGCAGTTTCTCTGTGTTCTTGAATTGATGCCTGATGAGATCGGAAGAGCGGTTCAG
chr10	50738716	50738755	ERCC6_2955	-	GTGACCTATGCACCAGACGTATAACATTCAGTATTGCATTTTTGAAAAAGTCATCATTTAAGATCGGAAGAGCGGTTCAG
chr10	50740539	50740578	ERCC6_2956	-	GTGACCTATGCACCAGACGTCCCATCTTCTTCCTTTCAAAGTGGTGGTAAAACATGACAGAGATCGGAAGAGCGGTTCAG
chr10	50678532	50678571	ERCC6_2957	-	GTGACCTATGCACCAGACGTAAGCATTGATGAAAAGTTAGGTCTTTCTTACAAAAGAGAAAGATCGGAAGAGCGGTTCAG
chr10	50732401	50732440	ERCC6_2958	-	GTGACCTATGCACCAGACGTGTGGGATTGCCAAAGGCAAGGAGACCTTGGGAGTCAGACAAGATCGGAAGAGCGGTTCAG

chr6	152128998	152129037	ESR1_2959	-	GTGACCTATGCACCAGACGTCGCGGGCAGGGTGCAGACCGTGTCCCCGCAGGGCAGAAGGAGATCGGAAGAGCGGTTCAG
chr6	152163682	152163721	ESR1_2960	-	GTGACCTATGCACCAGACGTAAAAACAGTAAATCCATTAACATTAGAAAAGCAAAACATGAGATCGGAAGAGCGGTTCAG
chr6	152201740	152201779	ESR1_2961	-	GTGACCTATGCACCAGACGTCAAGAGGACAGAATTAATATTATTTCAGGAAACTTAGCCAAGATCGGAAGAGCGGTTCAG
chr6	152265258	152265297	ESR1_2962	-	GTGACCTATGCACCAGACGTAGGTGGAAAAAAAAATTAGTTTATTTTTTTCCCGTGTAAAAGATCGGAAGAGCGGTTCAG
chr6	152332741	152332780	ESR1_2963	-	GTGACCTATGCACCAGACGTGCAAGAAAAACCCTGCTGACTCAAATGAAAAAGACTCATTAGATCGGAAGAGCGGTTCAG
chr6	152415470	152415509	ESR1_2964	-	GTGACCTATGCACCAGACGTAGAGAGAGAGTGAGAGAGAGAAGCTCAAAGAGGATGAGGTAGATCGGAAGAGCGGTTCAG
chr6	152419817	152419856	ESR1_2965	-	GTGACCTATGCACCAGACGTGAAGACACAGAAAGGACTACTTTAGAGCCAACCCGAGCCCAGATCGGAAGAGCGGTTCAG
chr7	128475330	128475369	FLNC_2966	-	GTGACCTATGCACCAGACGTGAGGGCACAGACGGGCTCAGGGGCGCCCCACCCTCCACTGAGATCGGAAGAGCGGTTCAG
chr7	128477164	128477203	FLNC_2967	-	GTGACCTATGCACCAGACGTGATGGAGGGAGACGATGGTGAGGGGCAGCCAGCCGGCCAGAGATCGGAAGAGCGGTTCAG
chr7	128477402	128477441	FLNC_2968	-	GTGACCTATGCACCAGACGTAAGGAGTGATGTCACATGGCGCCCTCTTTTCCCAGCAGCCAGATCGGAAGAGCGGTTCAG
chr7	128477641	128477680	FLNC_2969	-	GTGACCTATGCACCAGACGTGGAGCAGAGCCCAGGTTACTCAGGGAGAGCCTACATGTGCAGATCGGAAGAGCGGTTCAG
chr7	128477991	128478030	FLNC_2970	-	GTGACCTATGCACCAGACGTGGAAAAAGATTGGAAGCCTCTCCAATGACCATAGCCCCTCAGATCGGAAGAGCGGTTCAG
chr7	128478271	128478310	FLNC_2971	-	GTGACCTATGCACCAGACGTGAGGTCAAAGGTTAGCTTCTAGGGGAGAGCAGTCCTGAGAAGATCGGAAGAGCGGTTCAG
chr7	128478607	128478646	FLNC_2972	-	GTGACCTATGCACCAGACGTCAGAGGCTGTCAGCACCACTCTGGACACACACAGCTGCCCAGATCGGAAGAGCGGTTCAG
chr7	128480027	128480066	FLNC_2973	-	GTGACCTATGCACCAGACGTAAGAGAAAGGAGGTTGGGGGTGCTGAGGGGCCTTGGACCAAGATCGGAAGAGCGGTTCAG
chr7	128480552	128480591	FLNC_2974	-	GTGACCTATGCACCAGACGTGGGGGCAGGGTGGGGAAGAAGGCAGATCAATATCCTTGAAAGATCGGAAGAGCGGTTCAG
chr7	128480838	128480877	FLNC_2975	-	GTGACCTATGCACCAGACGTAGGGAGCTGGTGTCCATGCCAGGAAGTGCCCCCCAAAGTCAGATCGGAAGAGCGGTTCAG
chr7	128481174	128481213	FLNC_2976	-	GTGACCTATGCACCAGACGTGTGGGGGAGGGTCGGGGATCCAGCATCAGGCAAGACCCTTAGATCGGAAGAGCGGTTCAG
chr7	128481458	128481497	FLNC_2977	-	GTGACCTATGCACCAGACGTGGAAGAAGGCTGAGTTGGGGAGGGGAGGAGAACCAGCTTGAGATCGGAAGAGCGGTTCAG
chr7	128482235	128482274	FLNC_2978	-	GTGACCTATGCACCAGACGTCACCCAAGCAAAGTTCATAGCTGTGGCCTCTGCAGAGCGCAGATCGGAAGAGCGGTTCAG
chr7	128482579	128482618	FLNC_2979	-	GTGACCTATGCACCAGACGTGGTCGCAGCTCAGCGTGGTGCCCTCCCTCAAGGCTCATCCAGATCGGAAGAGCGGTTCAG
chr7	128482798	128482837	FLNC_2980	-	GTGACCTATGCACCAGACGTGCGGGCACTGCTGTGAGTTGGGCTCAGCCCCCGACTCGACAGATCGGAAGAGCGGTTCAG
chr7	128483233	128483272	FLNC_2981	-	GTGACCTATGCACCAGACGTAGGAGGCTCAGTCAGGGCTCTCGAGGGGAACACACCCCTGAGATCGGAAGAGCGGTTCAG
chr7	128483412	128483451	FLNC_2982	-	GTGACCTATGCACCAGACGTACCCAGAGATGTGGTGAGGGCCTGGCAGCCACCTAACCCCAGATCGGAAGAGCGGTTCAG
chr7	128483800	128483839	FLNC_2983	-	GTGACCTATGCACCAGACGTCAATGGTAGGTCAGAACTGGATATAAGGCAAGGTCCTACAAGATCGGAAGAGCGGTTCAG
chr7	128484008	128484047	FLNC_2984	-	GTGACCTATGCACCAGACGTGGCAAGTGACACCATGAGGAGACTCCGGTCCACCCTACCCAGATCGGAAGAGCGGTTCAG
chr7	128484662	128484701	FLNC_2985	-	GTGACCTATGCACCAGACGTAGGCAGGTTGTGGGTTCCCTGCACCTGGCCTCCTCATCCCAGATCGGAAGAGCGGTTCAG
chr7	128485994	128486033	FLNC_2986	-	GTGACCTATGCACCAGACGTGGGGTGGCGTGTTCAGCAGGGGTGGGGGCAGCCTTCACACAGATCGGAAGAGCGGTTCAG
chr7	128486305	128486344	FLNC_2987	-	GTGACCTATGCACCAGACGTGCCACAGGGGCATCAATCAGGGAGTGTGCGCCCCCACCACAGATCGGAAGAGCGGTTCAG
chr7	128486749	128486788	FLNC_2988	-	GTGACCTATGCACCAGACGTACATCCCCCCATCAGCTTCATAAGACCAGTGAGTGAGGATAGATCGGAAGAGCGGTTCAG
chr7	128487701	128487740	FLNC_2989	-	GTGACCTATGCACCAGACGTAAGGACATTAGACCCTGCCCACCAGCCCTGATGGGTCCCCAGATCGGAAGAGCGGTTCAG
chr7	128487949	128487988	FLNC_2990	-	GTGACCTATGCACCAGACGTGGCACAGGGTCAGCAGAGCCTCCGGGCGTCCCGCCCCACCAGATCGGAAGAGCGGTTCAG
chr7	128488565	128488604	FLNC_2991	-	GTGACCTATGCACCAGACGTAGAAGGGATAAACAGTTGGCTGGGTGGCATGGACGGGGCGAGATCGGAAGAGCGGTTCAG
chr7	128488797	128488836	FLNC_2992	-	GTGACCTATGCACCAGACGTAGCAGAGGTCAAGGCCCGCCTGTGCCTGGAGCATGACCTGAGATCGGAAGAGCGGTTCAG
chr7	128489185	128489224	FLNC_2993	-	GTGACCTATGCACCAGACGTAGAAGAGTGTGAGGCCAGGCGGTGCTCAACGTGGGCTGGGAGATCGGAAGAGCGGTTCAG
chr7	128489335	128489374	FLNC_2994	-	GTGACCTATGCACCAGACGTGGAGATCCTGCTCAGGGAGCTGGTGGGCTGGAGCCAGCCCAGATCGGAAGAGCGGTTCAG
chr7	128489980	128490019	FLNC_2995	-	GTGACCTATGCACCAGACGTAAGGCACGGGGGCACAGGGTGTGGCAGCCTCACAGGCCTAAGATCGGAAGAGCGGTTCAG
chr7	128490388	128490427	FLNC_2996	-	GTGACCTATGCACCAGACGTTGAGAGGGAACAGTCAGTGACTGGGGAAGGCCCAGGAGTTAGATCGGAAGAGCGGTTCAG
chr7	128490807	128490846	FLNC_2997	-	GTGACCTATGCACCAGACGTGACACAGTTACGTGGAGACCCTGGTTTCCCCCACTGCAACAGATCGGAAGAGCGGTTCAG
chr7	128491236	128491275	FLNC_2998	-	GTGACCTATGCACCAGACGTAGAGAAAAAGGGGGCTGGGTCAGCATCAGGGATTATCTGAAGATCGGAAGAGCGGTTCAG
chr7	128491459	128491498	FLNC_2999	-	GTGACCTATGCACCAGACGTAGGTGTGGCCAAGATCAGAGGTCCTGCCCTCACCCCTGCCAGATCGGAAGAGCGGTTCAG
chr7	128492595	128492634	FLNC_3000	-	GTGACCTATGCACCAGACGTAGTTGGGGCATCAGGCTGCTATGACTCCAGGCAGGCCCTGAGATCGGAAGAGCGGTTCAG
chr7	128492832	128492871	FLNC_3001	-	GTGACCTATGCACCAGACGTTGGGTGTTAGGCAGAGCATCCTGTGGGCCCCCACCCCTGAAGATCGGAAGAGCGGTTCAG
chr7	128493473	128493512	FLNC_3002	-	GTGACCTATGCACCAGACGTGCAAGGAACACATCTCCCTCAGTCCTAGGCTGGCCAAGCCAGATCGGAAGAGCGGTTCAG
chr7	128493719	128493758	FLNC_3003	-	GTGACCTATGCACCAGACGTGACAAAGGGTGGGTCAGGAACCTCAGAGCCCCAGCCTCCTAGATCGGAAGAGCGGTTCAG
chr7	128493978	128494017	FLNC_3004	-	GTGACCTATGCACCAGACGTAAGGGAGCCAGGGTGAGGGAGGGAAGCGAGGGGTGAGGAAAGATCGGAAGAGCGGTTCAG
chr7	128494417	128494456	FLNC_3005	-	GTGACCTATGCACCAGACGTTGGGGGATGTCAGGGCAACACTGGGATTCCTCCTAGCCCTAGATCGGAAGAGCGGTTCAG
chr7	128494779	128494818	FLNC_3006	-	GTGACCTATGCACCAGACGTGCAAGGTAGTGGACTTCAGCATCATCGCCCCTCACACTGGAGATCGGAAGAGCGGTTCAG
chr7	128495203	128495242	FLNC_3007	-	GTGACCTATGCACCAGACGTAGACCAGTCAGCACAGGTTCCGGGATGGAGGTTGGCAGGGAGATCGGAAGAGCGGTTCAG
chr7	128496522	128496561	FLNC_3008	-	GTGACCTATGCACCAGACGTCACGGAGGATGCTCAGACTCCTGGGAGGCCGGGGCTGGAGAGATCGGAAGAGCGGTTCAG
chr7	128496749	128496788	FLNC_3009	-	GTGACCTATGCACCAGACGTAGGGTTGGTGGCTTAGCCTCCATCCTTCCCCTCCCCAGAAAGATCGGAAGAGCGGTTCAG
chr7	128497122	128497161	FLNC_3010	-	GTGACCTATGCACCAGACGTGAGGTAGCAAGGCTGAGGGCAGGAAGGGCTTGTGGCCCAAAGATCGGAAGAGCGGTTCAG
chr7	128498012	128498051	FLNC_3011	-	GTGACCTATGCACCAGACGTGGTGGAGGGGGCACAAACCTAGTCAGAAGGGCTTCCTGTTAGATCGGAAGAGCGGTTCAG
chr7	128498340	128498379	FLNC_3012	-	GTGACCTATGCACCAGACGTAGGCAGAGGGACAGGCTCACACCAGGGAGTCCCCTACTGTAGATCGGAAGAGCGGTTCAG
chr7	128484961	128485000	FLNC_3013	-	GTGACCTATGCACCAGACGTTGGCCCGCACCTTGCTCGGGTCAAACACAGGCCGAATGGTAGATCGGAAGAGCGGTTCAG
chr2	216226228	216226267	FN1_3014	-	GTGACCTATGCACCAGACGTCAATCCAGAGGAACAAGCATGTCTCTCTGCCAAGATCCATAGATCGGAAGAGCGGTTCAG
chr2	216226642	216226681	FN1_3015	-	GTGACCTATGCACCAGACGTTAGCAGCACAAGTGTGTTCCCTCATACTAGACAGTCTCTTAGATCGGAAGAGCGGTTCAG
chr2	216229552	216229591	FN1_3016	-	GTGACCTATGCACCAGACGTATGTGCCAGGCTCCCTACAAGTTAGATAAGATAAAGGGTGAGATCGGAAGAGCGGTTCAG

chr2	216230178	216230217	FN1_3017	-	GTGACCTATGCACCAGACGTACAGATCATTTTTAGTGCCTTATTAAGCATTCTCACTTTCAGATCGGAAGAGCGGTTCAG
chr2	216232536	216232575	FN1_3018	-	GTGACCTATGCACCAGACGTGCTTTGTCCATCCACTTCCGTGTTTGTCTCCTCAAGTTCCAGATCGGAAGAGCGGTTCAG
chr2	216234967	216235006	FN1_3019	-	GTGACCTATGCACCAGACGTACGTACTATTTAGACACAGGCTCCCCTCTGCTGTACACCAAGATCGGAAGAGCGGTTCAG
chr2	216236582	216236621	FN1_3020	-	GTGACCTATGCACCAGACGTGTTCTCTTCACTTCTCATGGGGCAGCACAGAAAGGAATAAAGATCGGAAGAGCGGTTCAG
chr2	216236782	216236821	FN1_3021	-	GTGACCTATGCACCAGACGTCCAAATTGGTCACATCCCCAGGGAAGATGTAGACTATCACAGATCGGAAGAGCGGTTCAG
chr2	216237995	216238034	FN1_3022	-	GTGACCTATGCACCAGACGTCTTGCAGGTAACAAGGAGAAAGATAGGACAAAACTAATAAAGATCGGAAGAGCGGTTCAG
chr2	216239887	216239926	FN1_3023	-	GTGACCTATGCACCAGACGTTTCCATGCTGTCATTTTCCTTCTTACTACCTAGGACACATAGATCGGAAGAGCGGTTCAG
chr2	216240302	216240341	FN1_3024	-	GTGACCTATGCACCAGACGTCTTCTACTGAGGAAATGCCATTGACTTGTATGCAATCAGTAGATCGGAAGAGCGGTTCAG
chr2	216241171	216241210	FN1_3025	-	GTGACCTATGCACCAGACGTTCATTGCACTAACCACATTTGTTAACAAATACCCACAATGAGATCGGAAGAGCGGTTCAG
chr2	216242848	216242887	FN1_3026	-	GTGACCTATGCACCAGACGTAAATGTCTTCATATGGACAAACCTTCTGTATAGACAAAAAAGATCGGAAGAGCGGTTCAG
chr2	216243803	216243842	FN1_3027	-	GTGACCTATGCACCAGACGTACCGTTGTTCATTGGAATAAAGATGGAGATCATCTCTAACAGATCGGAAGAGCGGTTCAG
chr2	216245484	216245523	FN1_3028	-	GTGACCTATGCACCAGACGTAATTGCACCACCAGGTGCCCATGGGAGCAGCGGCTTTATGAGATCGGAAGAGCGGTTCAG
chr2	216246885	216246924	FN1_3029	-	GTGACCTATGCACCAGACGTACTGCTTGGTTTCCATTTTCAAAGTCAAATTTTGTTCTTGAGATCGGAAGAGCGGTTCAG
chr2	216248693	216248732	FN1_3030	-	GTGACCTATGCACCAGACGTCTACTCTGGGGTGACACCAGCTTTTACTTATTCAGATACTAGATCGGAAGAGCGGTTCAG
chr2	216249533	216249572	FN1_3031	-	GTGACCTATGCACCAGACGTAAAATGCTATTTTACACTCTGATTAAATCAGATTCTGTTGAGATCGGAAGAGCGGTTCAG
chr2	216251362	216251401	FN1_3032	-	GTGACCTATGCACCAGACGTTTGTCTGCAAAGAAACTCAGAAGACTTTCCTACCCAGTTGAGATCGGAAGAGCGGTTCAG
chr2	216252885	216252924	FN1_3033	-	GTGACCTATGCACCAGACGTTTGGCAGTATGACTATCCAGTAGCTTTTGCCTATCAATTCAGATCGGAAGAGCGGTTCAG
chr2	216256305	216256344	FN1_3034	-	GTGACCTATGCACCAGACGTGAATGTATCTGTTCCATAAATATTAACCTAGAGCATAGCAAGATCGGAAGAGCGGTTCAG
chr2	216257604	216257643	FN1_3035	-	GTGACCTATGCACCAGACGTAAAACTTCTGCGTTTGAGACATAGATGGTGTTGCATGCTGAGATCGGAAGAGCGGTTCAG
chr2	216259201	216259240	FN1_3036	-	GTGACCTATGCACCAGACGTAATAAGCTGCTATCCTGAGAGTGACACTTCCAATAAGAGTAGATCGGAAGAGCGGTTCAG
chr2	216261810	216261849	FN1_3037	-	GTGACCTATGCACCAGACGTGATGGATCAGAGGGCAAGTATACACCATACCTTCCCAAGAAGATCGGAAGAGCGGTTCAG
chr2	216262353	216262392	FN1_3038	-	GTGACCTATGCACCAGACGTTTTTTTCCCTTTTCTATTAGTTTTTAAAACTGTTCTACTTAGATCGGAAGAGCGGTTCAG
chr2	216263930	216263969	FN1_3039	-	GTGACCTATGCACCAGACGTGATGTTCCTAATCTCTGTGATACAGCCCTGAGCTGTCCTTAGATCGGAAGAGCGGTTCAG
chr2	216269062	216269101	FN1_3040	-	GTGACCTATGCACCAGACGTAATTAAGTGCCTTTTCTTAACTATATTTACATTCTCTATTAGATCGGAAGAGCGGTTCAG
chr2	216270911	216270950	FN1_3041	-	GTGACCTATGCACCAGACGTTCCTATCTCTATCTCCCCTCCAAATTCTCCACCCTCACTTAGATCGGAAGAGCGGTTCAG
chr2	216271800	216271839	FN1_3042	-	GTGACCTATGCACCAGACGTTAAGAAGACACTTCCTATGTTATCTTATCAGGATTGTTCCAGATCGGAAGAGCGGTTCAG
chr2	216272781	216272820	FN1_3043	-	GTGACCTATGCACCAGACGTCGTCCCCCTCTTTGGCTGCTATGTTAATCTTAATGACATCAGATCGGAAGAGCGGTTCAG
chr2	216272971	216273010	FN1_3044	-	GTGACCTATGCACCAGACGTGCTACATAGTGTTAAAAGAATCTTTTTCTGTAAAACACAGAGATCGGAAGAGCGGTTCAG
chr2	216274236	216274275	FN1_3045	-	GTGACCTATGCACCAGACGTTATGTCGCTCAAGACAGGTTCAGGGCAGCTGCTGGAAAACAGATCGGAAGAGCGGTTCAG
chr2	216274607	216274646	FN1_3046	-	GTGACCTATGCACCAGACGTAACCACCCTCATGCCTCCTACCCCCGAGGTTCCTAGAGCTAGATCGGAAGAGCGGTTCAG
chr2	216279477	216279516	FN1_3047	-	GTGACCTATGCACCAGACGTCTTATCAATTCTGATGGTTTCTTTTTTTCCCAGCTTTTGAAGATCGGAAGAGCGGTTCAG
chr2	216279510	216279549	FN1_3048	-	GTGACCTATGCACCAGACGTCACCCAGAAACCTTGGATACTGAGTCTCCTAATCTTATCAAGATCGGAAGAGCGGTTCAG
chr2	216283915	216283954	FN1_3049	-	GTGACCTATGCACCAGACGTCTATTACTGCAAGTTGAGAACTGCCAATTGGGTTATAACAAGATCGGAAGAGCGGTTCAG
chr2	216285346	216285385	FN1_3050	-	GTGACCTATGCACCAGACGTCTATTTCCCTAGATGAGTTTGCACAGGGGGAATGGTTAGCAGATCGGAAGAGCGGTTCAG
chr2	216286764	216286803	FN1_3051	-	GTGACCTATGCACCAGACGTTGATTAACAAAAATATTTGAGATGGCAAAAGGTACAGAAAAGATCGGAAGAGCGGTTCAG
chr2	216288023	216288062	FN1_3052	-	GTGACCTATGCACCAGACGTGCCCTTGTGGGTTGTCTTGTTTGACAACAATTTAGGGAGTAGATCGGAAGAGCGGTTCAG
chr2	216288819	216288858	FN1_3053	-	GTGACCTATGCACCAGACGTCAAGGGGGAGCCACAGAAGTGAGAAAAACTCACTTTCATGAGATCGGAAGAGCGGTTCAG
chr2	216289767	216289806	FN1_3054	-	GTGACCTATGCACCAGACGTTCTTTTTGAAGAATAGGACTGATGACTTTATTATTTAGTTAGATCGGAAGAGCGGTTCAG
chr2	216292853	216292892	FN1_3055	-	GTGACCTATGCACCAGACGTGGACGAGCAGGGGCGGGAAATGGGGAAGCAGGTCAAGAAAAGATCGGAAGAGCGGTTCAG
chr2	216295388	216295427	FN1_3056	-	GTGACCTATGCACCAGACGTCATCTTTATGTTAAAGATTAAGCCAGGTATTGTTTTCTGGAGATCGGAAGAGCGGTTCAG
chr2	216296506	216296545	FN1_3057	-	GTGACCTATGCACCAGACGTCTTAGGGCTGAGCAAGAGCTGGGATGCTTAGTTCTAATGTAGATCGGAAGAGCGGTTCAG
chr2	216297997	216298036	FN1_3058	-	GTGACCTATGCACCAGACGTGATTGTGTAAAATGATGCCAAAATATCAAATATGAATTTCAGATCGGAAGAGCGGTTCAG
chr2	216299369	216299408	FN1_3059	-	GTGACCTATGCACCAGACGTACAAGCCCCATAGTTAGTATCTTTTAATACATGAAGTGGTAGATCGGAAGAGCGGTTCAG
chr2	216300328	216300367	FN1_3060	-	GTGACCTATGCACCAGACGTACCGCGGGCTGAAACAGGCTGCCTCAGGGATGGGACCCTAAGATCGGAAGAGCGGTTCAG
chr3	119545585	119545624	GSK3B_3061	-	GTGACCTATGCACCAGACGTGCAGCCAGCTGCACAGGAAAAACCACCAGTTACTTGAGTGAGATCGGAAGAGCGGTTCAG
chr3	119582216	119582255	GSK3B_3062	-	GTGACCTATGCACCAGACGTACACTTAGCCTCTTCACCAGTTCTAGGAAAGCTACACCCTAGATCGGAAGAGCGGTTCAG
chr3	119585387	119585426	GSK3B_3063	-	GTGACCTATGCACCAGACGTAATTTTTTTTTCCCAAAATTTCAGGGCAGGTCTATAAAACAGATCGGAAGAGCGGTTCAG
chr3	119595210	119595249	GSK3B_3064	-	GTGACCTATGCACCAGACGTTTTTTTTTTAAGTATATTAATCAGTAGTTAACTAAAACAGAGATCGGAAGAGCGGTTCAG
chr3	119631501	119631540	GSK3B_3065	-	GTGACCTATGCACCAGACGTATCTGAATATAATGCTCATAATTATTAATTGCTTCTTGATAGATCGGAAGAGCGGTTCAG
chr3	119634841	119634880	GSK3B_3066	-	GTGACCTATGCACCAGACGTGTCCCTCTCCCTGCCCCTTCCCTTTTCCCCTCCTCCCCCTAGATCGGAAGAGCGGTTCAG
chr3	119642170	119642209	GSK3B_3067	-	GTGACCTATGCACCAGACGTACATAACAATTTTCCATTTTAGAAAACATTTTTTATGAACAGATCGGAAGAGCGGTTCAG
chr3	119666065	119666104	GSK3B_3068	-	GTGACCTATGCACCAGACGTCACAAAGTGTGTACTGAATATTGTGATAAATTTGTTATTTAGATCGGAAGAGCGGTTCAG
chr3	119720843	119720882	GSK3B_3069	-	GTGACCTATGCACCAGACGTCAGTATTTCATATATTTTGTTGCTGTCGTAATACATATACAGATCGGAAGAGCGGTTCAG
chr3	119812144	119812183	GSK3B_3070	-	GTGACCTATGCACCAGACGTGTTTTATTTTACACCCCTTTTCCACCTCGCCCTTAAAATAAGATCGGAAGAGCGGTTCAG
chr6	114262172	114262211	HDAC2_3071	-	GTGACCTATGCACCAGACGTCTCACCAATTTCAGAAAATCATTAAAAAGAAAATATTGAAAGATCGGAAGAGCGGTTCAG
chr6	114262822	114262861	HDAC2_3072	-	GTGACCTATGCACCAGACGTTTCCTTATCAAGTACTTTTTACATACTATAAAAATACTAAAGATCGGAAGAGCGGTTCAG
chr6	114264465	114264504	HDAC2_3073	-	GTGACCTATGCACCAGACGTTTTCTTGGTAATTGTGTTTTAATTGTAAATTTTAAAAATTAGATCGGAAGAGCGGTTCAG
chr6	114265394	114265433	HDAC2_3074	-	GTGACCTATGCACCAGACGTGCCTTTATTTTTCCAATTTGTCAAAATGATAATTGAAATGAGATCGGAAGAGCGGTTCAG

chr6	114266476	114266515	HDAC2_3075	-	GTGACCTATGCACCAGACGTATTGAATTGTTTTGATAAACATTTTATCTTGACAAAGATTAGATCGGAAGAGCGGTTCAG
chr6	114270093	114270132	HDAC2_3076	-	GTGACCTATGCACCAGACGTCAAAGGGTGGTATTTCCAGAAAAAAATGGTTTTTCTTCCAAGATCGGAAGAGCGGTTCAG
chr6	114270282	114270321	HDAC2_3077	-	GTGACCTATGCACCAGACGTTTGTTTTCACAATTGGAATGGAATTTCAGAATGTTATTGGAGATCGGAAGAGCGGTTCAG
chr6	114274391	114274430	HDAC2_3078	-	GTGACCTATGCACCAGACGTATTCTGTCTGAAAAAATATTGTGAGATGAACCTAGGAGATAGATCGGAAGAGCGGTTCAG
chr6	114277127	114277166	HDAC2_3079	-	GTGACCTATGCACCAGACGTTTATATTGATACTCTTTTCAGTGATAAAGTGTTTTCATTAAGATCGGAAGAGCGGTTCAG
chr6	114277733	114277772	HDAC2_3080	-	GTGACCTATGCACCAGACGTATGCAATCAGATTTAAAAGTTGATCTGAACTTGGTGTGTTAGATCGGAAGAGCGGTTCAG
chr6	114279763	114279802	HDAC2_3081	-	GTGACCTATGCACCAGACGTAAGTAAAAAGTAGTTTTGCTTTGATAAATGTAAATTAGTAAGATCGGAAGAGCGGTTCAG
chr6	114281020	114281059	HDAC2_3082	-	GTGACCTATGCACCAGACGTCTTTTAATACATATTCAGCACTGATCTTTTTTATTTTTTTAGATCGGAAGAGCGGTTCAG
chr7	27203172	27203211	HOXA9_3083	-	GTGACCTATGCACCAGACGTGCTTATTTAGAAAAAAGGGTAAGCTAGAGAGAAAAAGAAAAGATCGGAAGAGCGGTTCAG
chr7	27204447	27204486	HOXA9_3084	-	GTGACCTATGCACCAGACGTCCTCCCTTCAAATCCGCCGCCGCCTCCACGCCGGCCTCCCAGATCGGAAGAGCGGTTCAG
chr7	27204737	27204776	HOXA9_3085	-	GTGACCTATGCACCAGACGTGCGGCGCCGGACGGCAGGTACATGCGCTCCTGGCTGGAGCAGATCGGAAGAGCGGTTCAG
chr11	64571756	64571795	MEN1_3086	-	GTGACCTATGCACCAGACGTACTTCGGACCGCTTGTGGGGACCCAGGCTCCGCCCTTAGTAGATCGGAAGAGCGGTTCAG
chr11	64572456	64572495	MEN1_3087	-	GTGACCTATGCACCAGACGTGCTGCACAGAGGTCTGGGCACTACAGGTGGTGACAGCAGCAGATCGGAAGAGCGGTTCAG
chr11	64573057	64573096	MEN1_3088	-	GTGACCTATGCACCAGACGTGGAGCTCCAGCCTGTGTCCAGCCTCCCACCTGGACAGGGCAGATCGGAAGAGCGGTTCAG
chr11	64573654	64573693	MEN1_3089	-	GTGACCTATGCACCAGACGTCCCTACTAGGGCCTGCAGCCTGTCCTTTCTTCCCCTCCATAGATCGGAAGAGCGGTTCAG
chr11	64574433	64574472	MEN1_3090	-	GTGACCTATGCACCAGACGTCTAAGGAGGGTGCAGAAGGGAGACCCTAACAGTGGCTGAGAGATCGGAAGAGCGGTTCAG
chr11	64574601	64574640	MEN1_3091	-	GTGACCTATGCACCAGACGTGGAAGTGGCCAGGCTGCGCCTGGTGAGGCCGGGGGGCTGGAGATCGGAAGAGCGGTTCAG
chr11	64575313	64575352	MEN1_3092	-	GTGACCTATGCACCAGACGTCTCCCCCCAGCCTTGTCCCCTTCATACTGTAGTAGCCCAAAGATCGGAAGAGCGGTTCAG
chr11	64577072	64577111	MEN1_3093	-	GTGACCTATGCACCAGACGTTATCCATGACCCACTTCTTCAAAACCCTCCATGGTTTACAAGATCGGAAGAGCGGTTCAG
chr11	64577087	64577126	MEN1_3094	-	GTGACCTATGCACCAGACGTAGTAGGTGGGAATCTTATCCATGACCCACTTCTTCAAAACAGATCGGAAGAGCGGTTCAG
chr22	36678664	36678703	MYH9_3095	-	GTGACCTATGCACCAGACGTCTGCAGCCTGAGATGGATGGACAGACAGACACCACAGCCTAGATCGGAAGAGCGGTTCAG
chr22	36680089	36680128	MYH9_3096	-	GTGACCTATGCACCAGACGTCTGCCCACCCGCCCCTTTGCCTCGGCACTTCTCTCAAAAGAGATCGGAAGAGCGGTTCAG
chr22	36680399	36680438	MYH9_3097	-	GTGACCTATGCACCAGACGTTGGTGGGGCAGTGAGAAGGGCAGCGGGGCTGGGCAGCAGAAGATCGGAAGAGCGGTTCAG
chr22	36681117	36681156	MYH9_3098	-	GTGACCTATGCACCAGACGTCTGGCCCCGCCCAACCCCAGCTGTCCTGGAAAAAACTCTGAGATCGGAAGAGCGGTTCAG
chr22	36681654	36681693	MYH9_3099	-	GTGACCTATGCACCAGACGTGGACTTCTCCCACTCTGGGCTCTGGCTGGAGCCACCACGGAGATCGGAAGAGCGGTTCAG
chr22	36681861	36681900	MYH9_3100	-	GTGACCTATGCACCAGACGTTGAGGGGGCAGAGTTGGGGGGGACCAGGTGTGTCCCCAGGAGATCGGAAGAGCGGTTCAG
chr22	36682714	36682753	MYH9_3101	-	GTGACCTATGCACCAGACGTCTGCAATGGAGAGCGGCACCGCTGCCCTGCGGCCAGCAGGAGATCGGAAGAGCGGTTCAG
chr22	36684248	36684287	MYH9_3102	-	GTGACCTATGCACCAGACGTGCGGGGCCCAGGTGAGGGTGGGCGGCACCCGACTGAGCCAAGATCGGAAGAGCGGTTCAG
chr22	36684723	36684762	MYH9_3103	-	GTGACCTATGCACCAGACGTCCTCCTGCTACCCCATGGGTGCCCAAGGCTGCCTTGGCTTAGATCGGAAGAGCGGTTCAG
chr22	36685081	36685120	MYH9_3104	-	GTGACCTATGCACCAGACGTGGCCTGGCAGCCAGGTCTTGGGAAGGGCCCGAGTGGGGTCAGATCGGAAGAGCGGTTCAG
chr22	36687982	36688021	MYH9_3105	-	GTGACCTATGCACCAGACGTGTTGGCCCCATCCTTTGCATTTCCTCTCCTTCAAGCACTGAGATCGGAAGAGCGGTTCAG
chr22	36689325	36689364	MYH9_3106	-	GTGACCTATGCACCAGACGTCTGGGGGACCGGCCGGACTCTGCAGGCTGGGGAGCTGCTGAGATCGGAAGAGCGGTTCAG
chr22	36689755	36689794	MYH9_3107	-	GTGACCTATGCACCAGACGTCGCCAGGTTCCCAGAAGGTGGACCCCTCCAGAAAGGCCTCAGATCGGAAGAGCGGTTCAG
chr22	36690088	36690127	MYH9_3108	-	GTGACCTATGCACCAGACGTCGCCAGGACCCTGGCGCGGGCAGTGGGCCCTAGCAGCAGTAGATCGGAAGAGCGGTTCAG
chr22	36690928	36690967	MYH9_3109	-	GTGACCTATGCACCAGACGTTCCCTGAGACCGCAGGGGGAGGGCAGGGTTCCCCGTGCTGAGATCGGAAGAGCGGTTCAG
chr22	36691501	36691540	MYH9_3110	-	GTGACCTATGCACCAGACGTGGACCAAGTCCCTCGGGATGGGGAGGGCAGCCAGGGGGGCAGATCGGAAGAGCGGTTCAG
chr22	36692839	36692878	MYH9_3111	-	GTGACCTATGCACCAGACGTCGCCTGCCCGCCTGAGGCCAGGTGGCCTGGGCCAGCCCTTAGATCGGAAGAGCGGTTCAG
chr22	36694915	36694954	MYH9_3112	-	GTGACCTATGCACCAGACGTGACGAGCAGGAGGTGATGGGCAGGGGCTGGCGGGCAAGGGAGATCGGAAGAGCGGTTCAG
chr22	36696123	36696162	MYH9_3113	-	GTGACCTATGCACCAGACGTTGGCTGTCGCCTGCCGCTGCTCCAGGGGCGCCGTGGATGGAGATCGGAAGAGCGGTTCAG
chr22	36696847	36696886	MYH9_3114	-	GTGACCTATGCACCAGACGTGCTGCACCCGGGGAGGGGTGGCGCCGGAGGGGCAGGGCGGAGATCGGAAGAGCGGTTCAG
chr22	36697530	36697569	MYH9_3115	-	GTGACCTATGCACCAGACGTGTGCAGGCTCAGTCCAGGTCGCACGACCTGCCTGGTGCTGAGATCGGAAGAGCGGTTCAG
chr22	36699991	36700030	MYH9_3116	-	GTGACCTATGCACCAGACGTGGAGATACTCCTGCCCCGCATGCCAGGCCTTGCCACGCCCAGATCGGAAGAGCGGTTCAG
chr22	36701029	36701068	MYH9_3117	-	GTGACCTATGCACCAGACGTCTGCTGTCCCTGCCTCTCTGGATGGGCAGCCCCTTGTCTGAGATCGGAAGAGCGGTTCAG
chr22	36701926	36701965	MYH9_3118	-	GTGACCTATGCACCAGACGTGCCCGGAGCCCGCTTCTCCTGGGCCCTGCTGTGCGTGCAGAGATCGGAAGAGCGGTTCAG
chr22	36702410	36702449	MYH9_3119	-	GTGACCTATGCACCAGACGTCTGGTGGGGTGGCCCGGGCAGGGCACTGTGGTGTGGGGTGAGATCGGAAGAGCGGTTCAG
chr22	36705277	36705316	MYH9_3120	-	GTGACCTATGCACCAGACGTTGCCCTTCGCCCCCTGCCTCCTCTTGGCTGCGGCTGGTCAAGATCGGAAGAGCGGTTCAG
chr22	36708044	36708083	MYH9_3121	-	GTGACCTATGCACCAGACGTCTCACGGGGAGGTGCTGGCCAGATCTTCACAGGAGAGGTGAGATCGGAAGAGCGGTTCAG
chr22	36710140	36710179	MYH9_3122	-	GTGACCTATGCACCAGACGTGGCTTGCTTTGACCTCACACCTGCCTCTGGCTTTTCCCTTAGATCGGAAGAGCGGTTCAG
chr22	36712512	36712551	MYH9_3123	-	GTGACCTATGCACCAGACGTCCCTTCATTACCCACCCTGCTGCCTCCTTGGCCTGTTGGTAGATCGGAAGAGCGGTTCAG
chr22	36714202	36714241	MYH9_3124	-	GTGACCTATGCACCAGACGTTGGGGCCAGGGCAGCTGGCTGCCTCCTGGGTGAATGTCCCAGATCGGAAGAGCGGTTCAG
chr22	36715535	36715574	MYH9_3125	-	GTGACCTATGCACCAGACGTGGGCCTCTCGCTGGAAATAATGGGGCAGGTGCTTGGCCATAGATCGGAAGAGCGGTTCAG
chr22	36716215	36716254	MYH9_3126	-	GTGACCTATGCACCAGACGTGGCCCTCCTATGGTCGAGTGTGGGGCAGAGGAAGGCTGGTAGATCGGAAGAGCGGTTCAG
chr22	36716793	36716832	MYH9_3127	-	GTGACCTATGCACCAGACGTGGCCTGCAGCCTGACACCGGGGCTGCCGGGCTCTGGGCCTAGATCGGAAGAGCGGTTCAG
chr22	36717753	36717792	MYH9_3128	-	GTGACCTATGCACCAGACGTGGTTCGTTGGGATAAGAGTCCTGGATCCGGAGGGGAGGCAAGATCGGAAGAGCGGTTCAG
chr22	36718424	36718463	MYH9_3129	-	GTGACCTATGCACCAGACGTCGGCGGCGCCCCGGCTCTGGGGACAGAGGGCCTTGCCCGGAGATCGGAAGAGCGGTTCAG
chr22	36722563	36722602	MYH9_3130	-	GTGACCTATGCACCAGACGTCAGCCCTTGTCCCTGTGGCCGCCTGCTTGGCCTTGGTGGGAGATCGGAAGAGCGGTTCAG
chr22	36723456	36723495	MYH9_3131	-	GTGACCTATGCACCAGACGTCTCCGTCTGGGTAGTGGTTCGTTTCACCCCAGTCTGTTCTAGATCGGAAGAGCGGTTCAG
chr22	36737365	36737404	MYH9_3132	-	GTGACCTATGCACCAGACGTTAGTGTGTGCCCACCTGGGGCTGAATCTTCACCTGGGGCCAGATCGGAAGAGCGGTTCAG

chr22	36744899	36744938	MYH9_3133	-	GTGACCTATGCACCAGACGTGCCGTGGCACCCCGCAGGCTGGGTCTGAGGGCTCCGAGGTAGATCGGAAGAGCGGTTCAG
chr8	71025817	71025856	NCOA2_3134	-	GTGACCTATGCACCAGACGTGCCAGTTGCTTCTTCAGCTGACCGGGCTCACTTGCTCAAAAGATCGGAAGAGCGGTTCAG
chr8	71033487	71033526	NCOA2_3135	-	GTGACCTATGCACCAGACGTACAGTGAAATATATGAATATGGAAGTAAAGCAAACATGAAAGATCGGAAGAGCGGTTCAG
chr8	71036069	71036108	NCOA2_3136	-	GTGACCTATGCACCAGACGTAAGGAGAAGCAACCCAGTGGCTTCATATCACGGCTTTTTAGATCGGAAGAGCGGTTCAG
chr8	71036873	71036912	NCOA2_3137	-	GTGACCTATGCACCAGACGTATCCTTCTCCTTTTCATACCGCCACTGTGACAGCTGAAGGAGATCGGAAGAGCGGTTCAG
chr8	71038998	71039037	NCOA2_3138	-	GTGACCTATGCACCAGACGTTAGATCCCCACCACCTTTCACCAGTCCTTTCTCCCCAGTGAGATCGGAAGAGCGGTTCAG
chr8	71040618	71040657	NCOA2_3139	-	GTGACCTATGCACCAGACGTATACCAGCCATTAGCTTTCATTGTATGCATGCAGCTGCTTAGATCGGAAGAGCGGTTCAG
chr8	71040887	71040926	NCOA2_3140	-	GTGACCTATGCACCAGACGTCGATGGCACCTGGGAAGTCAGGGGTGCTGGGTGGAGGACAAGATCGGAAGAGCGGTTCAG
chr8	71044022	71044061	NCOA2_3141	-	GTGACCTATGCACCAGACGTAAGGGCAGCAGGTGGGGGCCAAGCGCTCTCATGGGCGCAGAGATCGGAAGAGCGGTTCAG
chr8	71050388	71050427	NCOA2_3142	-	GTGACCTATGCACCAGACGTAGCACCTAGGGTAGCCAGTTATTTTATACCTGTCCAGAAAAGATCGGAAGAGCGGTTCAG
chr8	71053369	71053408	NCOA2_3143	-	GTGACCTATGCACCAGACGTTCTAGTGCTGTTTGCTTTTAACTTTTATGCTCTCTTAGAAAGATCGGAAGAGCGGTTCAG
chr8	71056827	71056866	NCOA2_3144	-	GTGACCTATGCACCAGACGTAAATGCACTGTTACTTTATTGGTGGGTTATTTAATTTAATAGATCGGAAGAGCGGTTCAG
chr8	71060458	71060497	NCOA2_3145	-	GTGACCTATGCACCAGACGTGAAATGGCTGGTTATGCCAAGAAATTTCCATATAATCACTAGATCGGAAGAGCGGTTCAG
chr8	71068156	71068195	NCOA2_3146	-	GTGACCTATGCACCAGACGTTCACATCTTCTCGCAGGTGTACTAATCTGTATCCATCAAGAGATCGGAAGAGCGGTTCAG
chr8	71071690	71071729	NCOA2_3147	-	GTGACCTATGCACCAGACGTTTCTAAGAAGTCATTTTCCATTTCCAAGTTAAGAGGAGATAGATCGGAAGAGCGGTTCAG
chr8	71074896	71074935	NCOA2_3148	-	GTGACCTATGCACCAGACGTCTAAATGATTTTTCTTAAATTATTGCTTCCTGTGGGAGCTAGATCGGAAGAGCGGTTCAG
chr8	71075650	71075689	NCOA2_3149	-	GTGACCTATGCACCAGACGTTCTCCAAAGAAGACCAAAGGAATCATTTTAGAATACTTACAGATCGGAAGAGCGGTTCAG
chr8	71078751	71078790	NCOA2_3150	-	GTGACCTATGCACCAGACGTATCCCTAGGGTGTTCTGTGTGTCTGTGTATTTATTCCTGTAGATCGGAAGAGCGGTTCAG
chr8	71082387	71082426	NCOA2_3151	-	GTGACCTATGCACCAGACGTGCTGGGTCTCCCTCCCTACCTCCCGTCACCCCCACCTGCCAGATCGGAAGAGCGGTTCAG
chr8	71086941	71086980	NCOA2_3152	-	GTGACCTATGCACCAGACGTTTCATTTTAGTGCTGTATTTTAAAATCTTGTTGATCTTCAAGATCGGAAGAGCGGTTCAG
chr8	71126088	71126127	NCOA2_3153	-	GTGACCTATGCACCAGACGTTGAATTAGTATTTTGAAGAGTTGAATTGGTTTCTGTTTTTAGATCGGAAGAGCGGTTCAG
chr8	71128845	71128884	NCOA2_3154	-	GTGACCTATGCACCAGACGTTGCTGAGAAAAGGAATCAGTATTGTCTGTTAAAGCCACATAGATCGGAAGAGCGGTTCAG
chr8	71068579	71068618	NCOA2_3155	-	GTGACCTATGCACCAGACGTTGTCGGATACAAACAAAGACTCCACAGGTAGCTTGCCTGGAGATCGGAAGAGCGGTTCAG
chr8	71069002	71069041	NCOA2_3156	-	GTGACCTATGCACCAGACGTGCAGCAGCACAGGAAATAGCCATAGTTATACCAACAGCTCAGATCGGAAGAGCGGTTCAG
chr20	5095879	5095918	PCNA_3157	-	GTGACCTATGCACCAGACGTAATTCAAGAAAATAAAACTAAGCTCTTTGAGAACTGCTTCAGATCGGAAGAGCGGTTCAG
chr20	5096045	5096084	PCNA_3158	-	GTGACCTATGCACCAGACGTAAATTTGAACCTTGTTTTGTAGGTAGTCATATGTGATACAAGATCGGAAGAGCGGTTCAG
chr20	5098066	5098105	PCNA_3159	-	GTGACCTATGCACCAGACGTTTTAAGTAAAAAGAAAATAGTTTGAAGAGAATTATAATACAGATCGGAAGAGCGGTTCAG
chr20	5099206	5099245	PCNA_3160	-	GTGACCTATGCACCAGACGTGTTTCTCATTGTAGAGAGTGCTGTACACAGGCACGATAGTAGATCGGAAGAGCGGTTCAG
chr20	5099365	5099404	PCNA_3161	-	GTGACCTATGCACCAGACGTCCTTTTTACCGAGTCACGAAGCTACAGAAAATCAAAACTCAGATCGGAAGAGCGGTTCAG
chr20	5100174	5100213	PCNA_3162	-	GTGACCTATGCACCAGACGTCGGCCCCGGGAAGCCGGCCCCGGCCCGCCTGCACCTCCGGAGATCGGAAGAGCGGTTCAG
chr15	74287104	74287143	PML_3163	-	GTGACCTATGCACCAGACGTTTAGTTTCGATTCTCGGTTTAGATCTTGGAGTGCGTGAAGAGATCGGAAGAGCGGTTCAG
chr15	74290295	74290334	PML_3164	-	GTGACCTATGCACCAGACGTAGAGAGGCAGGTGAGGCCTGGAGAAGTCCCAAAAGCCCCCAGATCGGAAGAGCGGTTCAG
chr15	74315119	74315158	PML_3165	-	GTGACCTATGCACCAGACGTACAAGGTTGGCCTGGGTTAGGACTCTCCTGACTTTTTCCTAGATCGGAAGAGCGGTTCAG
chr15	74317148	74317187	PML_3166	-	GTGACCTATGCACCAGACGTCAAAGAAGGTCACAGGCAGGTCAAGGACATGCTGGTAAGGAGATCGGAAGAGCGGTTCAG
chr15	74324863	74324902	PML_3167	-	GTGACCTATGCACCAGACGTGGGAAAATTGAGTCAGAAATGACTAGGCAGCAGCCCCAGGAGATCGGAAGAGCGGTTCAG
chr15	74325447	74325486	PML_3168	-	GTGACCTATGCACCAGACGTGGAGTCACAGAGCCAGGTCAGGTGCCTGCAGGGGTGAGTGAGATCGGAAGAGCGGTTCAG
chr15	74326769	74326808	PML_3169	-	GTGACCTATGCACCAGACGTGAAGGGGAGATGCATTATGAACTGCCTAGGATGCATGCTGAGATCGGAAGAGCGGTTCAG
chr15	74328298	74328337	PML_3170	-	GTGACCTATGCACCAGACGTGGGCAGGGGTGTTGGCTGCAAGGTTACAAGAGAAGGGTAGAGATCGGAAGAGCGGTTCAG
chr15	74335280	74335319	PML_3171	-	GTGACCTATGCACCAGACGTGAAAAACCAAGCGTCAGGGATTCAGAGGGCCAAGGCAAGCAGATCGGAAGAGCGGTTCAG
chr15	74336512	74336551	PML_3172	-	GTGACCTATGCACCAGACGTGAGAAGGGCAGGGTGAGGACCCAGGGTCACAGAGAGCTCTAGATCGGAAGAGCGGTTCAG
chr15	74315409	74315448	PML_3173	-	GTGACCTATGCACCAGACGTCTCCTGAGCCCGCACGTGAGCTACCACCTGGCGCACGCGCAGATCGGAAGAGCGGTTCAG
chr15	74327853	74327892	PML_3174	-	GTGACCTATGCACCAGACGTGCAGGAGTGCTGGCTTGGACCACATGGGGAGACCAAGTCCAGATCGGAAGAGCGGTTCAG
chr15	74336906	74336945	PML_3175	-	GTGACCTATGCACCAGACGTCCAGCACGGCAGCCATGGCGCTGCGCTCGCTCATGTTTCTAGATCGGAAGAGCGGTTCAG
chr3	12393042	12393081	PPARG_3176	-	GTGACCTATGCACCAGACGTAATAGGGGTTTGCTGTAATTCACACTGATATTTTGTCTCTAGATCGGAAGAGCGGTTCAG
chr3	12421153	12421192	PPARG_3177	-	GTGACCTATGCACCAGACGTAAATAGACTAGCTGTGAAGTTAAGTCCTAGAGAACACAGCAGATCGGAAGAGCGGTTCAG
chr3	12421155	12421194	PPARG_3178	-	GTGACCTATGCACCAGACGTAAAAATAGACTAGCTGTGAAGTTAAGTCCTAGAGAACACAAGATCGGAAGAGCGGTTCAG
chr3	12422771	12422810	PPARG_3179	-	GTGACCTATGCACCAGACGTAGACATGTGAGAGGATAATTATCCCATGAAAACAGTCCTAAGATCGGAAGAGCGGTTCAG
chr3	12447331	12447370	PPARG_3180	-	GTGACCTATGCACCAGACGTAGAGGAATGACAGGATGAATCATTGGATTACTACTGCTCTAGATCGGAAGAGCGGTTCAG
chr3	12458153	12458192	PPARG_3181	-	GTGACCTATGCACCAGACGTAACAGGGAAAACGTGGATGACTTGGAGATTTCTAACTCACAGATCGGAAGAGCGGTTCAG
chr3	12475347	12475386	PPARG_3182	-	GTGACCTATGCACCAGACGTACATATGGAAAACACAACAGGGGGTTCAGTCAAAAAATCCAGATCGGAAGAGCGGTTCAG
chr4	23797395	23797434	PPARGC1A_3183	-	GTGACCTATGCACCAGACGTAGCTGAGGATGACAGAGGGATGGCGAATACCTCATGGGACAGATCGGAAGAGCGGTTCAG
chr4	23803303	23803342	PPARGC1A_3184	-	GTGACCTATGCACCAGACGTTATTGTACGTGGAATGAGGAATCCATAATGTAGAGCTCAAAGATCGGAAGAGCGGTTCAG
chr4	23803797	23803836	PPARGC1A_3185	-	GTGACCTATGCACCAGACGTTCAAGATTATTTCTTGTTTAGAAGCTGACGTATGTAAAAAAGATCGGAAGAGCGGTTCAG
chr4	23814320	23814359	PPARGC1A_3186	-	GTGACCTATGCACCAGACGTTGGAGCTCACTTTTATTTTAAAGTAGGGTTTCTTCTTTTTAGATCGGAAGAGCGGTTCAG
chr4	23814594	23814633	PPARGC1A_3187	-	GTGACCTATGCACCAGACGTATGTCATTTTCCTTTAGCTCCCTTTATCCCCTCCTTGAGAAGATCGGAAGAGCGGTTCAG
chr4	23826036	23826075	PPARGC1A_3188	-	GTGACCTATGCACCAGACGTAGAAATGTAACCATTTTCTGAAAGGGAAGGGGGTTCTAATAGATCGGAAGAGCGGTTCAG
chr4	23829973	23830012	PPARGC1A_3189	-	GTGACCTATGCACCAGACGTGACCAAAACGAGCTGTTGGTGAGGGCACTGGAAGCAAAGAAGATCGGAAGAGCGGTTCAG
chr4	23831036	23831075	PPARGC1A_3190	-	GTGACCTATGCACCAGACGTAAATTTTTTAATACAGGGGGGATGTACCAAAGGATTTTGGAGATCGGAAGAGCGGTTCAG

chr4	23833130	23833169	PPARGC1A_3191	-	GTGACCTATGCACCAGACGTTTCCTACTGTTTAGCAGGAATTGGAGTTGCCTCTGGCTACAGATCGGAAGAGCGGTTCAG
chr4	23886325	23886364	PPARGC1A_3192	-	GTGACCTATGCACCAGACGTCCTTTGGAAACATTAATTTTTCATTGAGTTTGGCTTGGGCAGATCGGAAGAGCGGTTCAG
chr4	23891477	23891516	PPARGC1A_3193	-	GTGACCTATGCACCAGACGTGCAGGGCTCGGCGCTGCAGCCACAACTGACGCTTCCCTCAAGATCGGAAGAGCGGTTCAG
chr4	23815721	23815760	PPARGC1A_3194	-	GTGACCTATGCACCAGACGTCAAGAAAACAGCTCCAAGACCAGGAAATCCGAGCCGAGCTAGATCGGAAGAGCGGTTCAG
chr17	38487421	38487460	RARA_3195	-	GTGACCTATGCACCAGACGTCACAGTCAGAAGGGAGGCAGACAGTCTGGCAGGGGGCTCTAGATCGGAAGAGCGGTTCAG
chr17	38498907	38498946	RARA_3196	-	GTGACCTATGCACCAGACGTGAAGGCAAGAGGTCCGAGCTGGGAAGTCCTGCGCGCCGCCAGATCGGAAGAGCGGTTCAG
chr17	38504518	38504557	RARA_3197	-	GTGACCTATGCACCAGACGTAAGAGGGGAGGGGCAGTTAGAGACCTAGGTCGCCATCCTTAGATCGGAAGAGCGGTTCAG
chr17	38505986	38506025	RARA_3198	-	GTGACCTATGCACCAGACGTAGGGGAGGGAGTCAGGTTGTCCACACCCACAGTGGGAGCAAGATCGGAAGAGCGGTTCAG
chr17	38508112	38508151	RARA_3199	-	GTGACCTATGCACCAGACGTCAGAGGGGGTTAAGAGGGCAGCTGCAGGCTGCTCAGGGCCAGATCGGAAGAGCGGTTCAG
chr17	38508533	38508572	RARA_3200	-	GTGACCTATGCACCAGACGTAGGGAGAGTGAGGGCCTTCTTCTCCATGGCACCCCTTCTCAGATCGGAAGAGCGGTTCAG
chr17	38510504	38510543	RARA_3201	-	GTGACCTATGCACCAGACGTAGGATGCTTGGGTTCAGGGACTGAACCCGAACCCACTCTGAGATCGGAAGAGCGGTTCAG
chr17	38511465	38511504	RARA_3202	-	GTGACCTATGCACCAGACGTAGAACCACCCCCTGAGCAGCTGGGAACACAGCTGCACCCCAGATCGGAAGAGCGGTTCAG
chr17	38512211	38512250	RARA_3203	-	GTGACCTATGCACCAGACGTGGAGGGGGCAGAGGTCAGCACGCTGGGCCAGCCCTCCCACAGATCGGAAGAGCGGTTCAG
chr5	36152315	36152354	SKP2_3204	-	GTGACCTATGCACCAGACGTGGCCCGGGAGTTTAAAATACGTGCATTAACTGCAGAGCTGAGATCGGAAGAGCGGTTCAG
chr5	36152823	36152862	SKP2_3205	-	GTGACCTATGCACCAGACGTGCACAATACCCCCGGTTCCTTTCGAAAACACACCCATAAAAGATCGGAAGAGCGGTTCAG
chr5	36163697	36163736	SKP2_3206	-	GTGACCTATGCACCAGACGTAAAACAAGTGTTTGCCATCACCATTCTTTCACCCTATCAAAGATCGGAAGAGCGGTTCAG
chr5	36166571	36166610	SKP2_3207	-	GTGACCTATGCACCAGACGTGGAGATACTTAATTTGGCCAGTCGGTCACACTAAATGCTGAGATCGGAAGAGCGGTTCAG
chr5	36168365	36168404	SKP2_3208	-	GTGACCTATGCACCAGACGTAGAGAAAAAAGGAGCTCCATAGGTGGCTCTCACGGGTACAAGATCGGAAGAGCGGTTCAG
chr5	36170396	36170435	SKP2_3209	-	GTGACCTATGCACCAGACGTAGAAAAACGTCAGAAGAAAAAGACCAGTAAGACACTATTCAGATCGGAAGAGCGGTTCAG
chr5	36171655	36171694	SKP2_3210	-	GTGACCTATGCACCAGACGTGAGGGGTAATAAACAAAATATGAAACCATCACACGGGAATAGATCGGAAGAGCGGTTCAG
chr5	36177237	36177276	SKP2_3211	-	GTGACCTATGCACCAGACGTGGCAGAAGAAAAGATATTGAAAATCACACATTGATCCTAGAGATCGGAAGAGCGGTTCAG
chr5	36181870	36181909	SKP2_3212	-	GTGACCTATGCACCAGACGTAGAAAAAGACTTTCAGAATAGCAGTATCTATGGAAACTGTAGATCGGAAGAGCGGTTCAG
chr5	36183892	36183931	SKP2_3213	-	GTGACCTATGCACCAGACGTTAATTTCAAGTAGTATTTAGCACTTTTTAACTATTAAGAAAGATCGGAAGAGCGGTTCAG
chr16	11348650	11348689	SOCS1_3214	-	GTGACCTATGCACCAGACGTCCGCCGTGCACGCAGCATTAACTGGGATGCCGTGTTATTTAGATCGGAAGAGCGGTTCAG
chr16	11348968	11349007	SOCS1_3215	-	GTGACCTATGCACCAGACGTACTGCTTTTTCGCCCTTAGCGTGAAGATGGCCTCGGGACCAGATCGGAAGAGCGGTTCAG
chr2	39212915	39212954	SOS1_3216	-	GTGACCTATGCACCAGACGTACTGGGATGTATATTTTCCTAGCCCCAAATCCATTGCTGGAGATCGGAAGAGCGGTTCAG
chr2	39214564	39214603	SOS1_3217	-	GTGACCTATGCACCAGACGTAAATCTTGTTGTGTAGAAATTGGAATCATTACAGTTCATTAGATCGGAAGAGCGGTTCAG
chr2	39216361	39216400	SOS1_3218	-	GTGACCTATGCACCAGACGTTTGGTTTAAGACTCATAATTCTTGCTTTGGCTTTAAAAATAGATCGGAAGAGCGGTTCAG
chr2	39222214	39222253	SOS1_3219	-	GTGACCTATGCACCAGACGTAAATTCTAAGTGCATTAAGGTATTTGTTAGTACTATACATAGATCGGAAGAGCGGTTCAG
chr2	39224013	39224052	SOS1_3220	-	GTGACCTATGCACCAGACGTGTATATTTGTCTGGTGATGTCATTACTACCATATGTGTTAAGATCGGAAGAGCGGTTCAG
chr2	39224344	39224383	SOS1_3221	-	GTGACCTATGCACCAGACGTTTATTTAAAGATTCATACTTCTGATTAAGTTTCTAAACTAAGATCGGAAGAGCGGTTCAG
chr2	39233503	39233542	SOS1_3222	-	GTGACCTATGCACCAGACGTCTTTCTGAATTTTTATTGCATTTCTGGATAAAACAAAACAAGATCGGAAGAGCGGTTCAG
chr2	39237675	39237714	SOS1_3223	-	GTGACCTATGCACCAGACGTCTAGCATTCTTATATTTTATAGCTGTCAGCTATGTTATGAAGATCGGAAGAGCGGTTCAG
chr2	39239217	39239256	SOS1_3224	-	GTGACCTATGCACCAGACGTTAACATTCAAGTTGAAAAGTCATTTCAAAAGAGTTAACTTAGATCGGAAGAGCGGTTCAG
chr2	39240551	39240590	SOS1_3225	-	GTGACCTATGCACCAGACGTTTTTTTAGGTGCCTAGTTTTATATGTAATAAAAGTACCAAAGATCGGAAGAGCGGTTCAG
chr2	39240958	39240997	SOS1_3226	-	GTGACCTATGCACCAGACGTAATAAATGAAGTAAATAAGTCTTTATCAAACTTTCGTTTCAGATCGGAAGAGCGGTTCAG
chr2	39249661	39249700	SOS1_3227	-	GTGACCTATGCACCAGACGTTGCAGTTGCCTGTCACTTTTGTTTTCCTGCTTCAAACTGAAGATCGGAAGAGCGGTTCAG
chr2	39251101	39251140	SOS1_3228	-	GTGACCTATGCACCAGACGTTTACTTTTTAAAATATCCTTTTTTCCCTGAATATTGTGGTAGATCGGAAGAGCGGTTCAG
chr2	39262303	39262342	SOS1_3229	-	GTGACCTATGCACCAGACGTTCTTTATTGTTATTTGTAACATATTCAAGTGTGAATTTTTAGATCGGAAGAGCGGTTCAG
chr2	39262481	39262520	SOS1_3230	-	GTGACCTATGCACCAGACGTTTTTAAATGAAGATGTACAATGTCTGAAAAGTAAACTTAAAGATCGGAAGAGCGGTTCAG
chr2	39278235	39278274	SOS1_3231	-	GTGACCTATGCACCAGACGTCAATTATATACCCGAAAAGTCTGCATAAAAGCCTACATTTAGATCGGAAGAGCGGTTCAG
chr2	39281705	39281744	SOS1_3232	-	GTGACCTATGCACCAGACGTTTGTATATATGCCTCTCATTGAATGTGTTGTGAAATTTGCAGATCGGAAGAGCGGTTCAG
chr2	39283793	39283832	SOS1_3233	-	GTGACCTATGCACCAGACGTGAGCTTTTCTATTTTTTTCTTAAGTTTCTTTTTATGACTTAGATCGGAAGAGCGGTTCAG
chr2	39285764	39285803	SOS1_3234	-	GTGACCTATGCACCAGACGTACTACTGCCTTCTTGCCTTTTAAGGGAAAAATAAAACCCAAGATCGGAAGAGCGGTTCAG
chr2	39294719	39294758	SOS1_3235	-	GTGACCTATGCACCAGACGTTGTTGTCTTGTATTTACTTTATATCTAATTTGTGTGTTGGAGATCGGAAGAGCGGTTCAG
chr2	39347427	39347466	SOS1_3236	-	GTGACCTATGCACCAGACGTCGCGGGACCCCGCTTCCCGGCCGCAGCCCCCCAGCGCGGGAGATCGGAAGAGCGGTTCAG
chr2	39249989	39250028	SOS1_3237	-	GTGACCTATGCACCAGACGTTTGAAATAATTTTAAAAGATGAAAATAGTGTTATATTTTCAGATCGGAAGAGCGGTTCAG
chr20	36012507	36012546	SRC_3238	-	GTGACCTATGCACCAGACGTGGAGAGAGAGAAGACACTGGAACAGGCAGGGCTGCCGGGGAGATCGGAAGAGCGGTTCAG
chr20	36014428	36014467	SRC_3239	-	GTGACCTATGCACCAGACGTGGGTGGGGTGTGTCAGAACAGTGGGGCCACAGCCAGGGAAAGATCGGAAGAGCGGTTCAG
chr20	36022248	36022287	SRC_3240	-	GTGACCTATGCACCAGACGTACAGAAGGAGGGAGGAAAGGAGAAGGGAGCCGTCAGCCACAGATCGGAAGAGCGGTTCAG
chr20	36022527	36022566	SRC_3241	-	GTGACCTATGCACCAGACGTGAGGACGGAGGATGGTGCTGACTGTCCAGGCTTCTGCCCAAGATCGGAAGAGCGGTTCAG
chr20	36024515	36024554	SRC_3242	-	GTGACCTATGCACCAGACGTCCGAGGGGAGCCGTGACCGCCATGCCCTCTCCCCCCGCAGAGATCGGAAGAGCGGTTCAG
chr20	36026052	36026091	SRC_3243	-	GTGACCTATGCACCAGACGTGGCAGGAGGAGCAGTTAGGCGGGTCTTCTGCCCTGGGGCCAGATCGGAAGAGCGGTTCAG
chr20	36028468	36028507	SRC_3244	-	GTGACCTATGCACCAGACGTGGGATGCAGGCTGACTCAGTGGAGCCCCCCAACTCCTACCAGATCGGAAGAGCGGTTCAG
chr20	36029955	36029994	SRC_3245	-	GTGACCTATGCACCAGACGTAGAGACCCAGCTCCAGCTCCTGCCCTGTCCCTCTGCCAGGAGATCGGAAGAGCGGTTCAG
chr20	36030788	36030827	SRC_3246	-	GTGACCTATGCACCAGACGTAACCGTGGGAGCCTGGCTCAGGTGCCACCCATGCCCTCCCAGATCGGAAGAGCGGTTCAG
chr20	36031524	36031563	SRC_3247	-	GTGACCTATGCACCAGACGTAGCGAGGCATGGGGAGCCCGGCTCCGGTGAGGAAAGTGGGAGATCGGAAGAGCGGTTCAG
chr9	27109539	27109578	TEK_3248	-	GTGACCTATGCACCAGACGTATCTCTCCATCCAGTTTCCACAAATGTGCATGAGGTCCCAAGATCGGAAGAGCGGTTCAG

chr9	27157779	27157818	TEK_3249	-	GTGACCTATGCACCAGACGTAGAGAGACAATAATGTATGACTAAGGTTATTAACATGACCAGATCGGAAGAGCGGTTCAG
chr9	27168443	27168482	TEK_3250	-	GTGACCTATGCACCAGACGTAGAGAAAACAAATACCAAAAATGGGATCACACATTTTCTCAGATCGGAAGAGCGGTTCAG
chr9	27169425	27169464	TEK_3251	-	GTGACCTATGCACCAGACGTGGAAGAGTGAAGAACCGTAGGTCACACTGAAACATACCTGAGATCGGAAGAGCGGTTCAG
chr9	27173170	27173209	TEK_3252	-	GTGACCTATGCACCAGACGTAAAAGAAAAGATGATTCAGAGTCAAATATGCAACCCCTTGAGATCGGAAGAGCGGTTCAG
chr9	27180188	27180227	TEK_3253	-	GTGACCTATGCACCAGACGTAGACATCAAAAAACCAGTATTAATCCAGGGGAAGAGAGGAAGATCGGAAGAGCGGTTCAG
chr9	27183407	27183446	TEK_3254	-	GTGACCTATGCACCAGACGTAAAACAGCACTGTGAAATCTAATATTTAACAGAGCCAGCAAGATCGGAAGAGCGGTTCAG
chr9	27185433	27185472	TEK_3255	-	GTGACCTATGCACCAGACGTCAAATACAAAAAAATAAAAACTTCTAGGGAGGCATAAACGAGATCGGAAGAGCGGTTCAG
chr9	27190477	27190516	TEK_3256	-	GTGACCTATGCACCAGACGTTTTCAGAAGGCAGATTAGTCCTTCGGCTTTGAGGTTTTGTAGATCGGAAGAGCGGTTCAG
chr9	27192437	27192476	TEK_3257	-	GTGACCTATGCACCAGACGTAAAACGTCCAGGAAACTTAAGTTGGCATTCTCTTACATTCAGATCGGAAGAGCGGTTCAG
chr9	27202768	27202807	TEK_3258	-	GTGACCTATGCACCAGACGTAAAAGAAAAAAGATTCACTTAAGATATACTACCATGGCCTAGATCGGAAGAGCGGTTCAG
chr9	27204859	27204898	TEK_3259	-	GTGACCTATGCACCAGACGTAGACAGAGGTGAAGCAGGTAGTTTAGTTTACATAGAGAAAAGATCGGAAGAGCGGTTCAG
chr9	27206530	27206569	TEK_3260	-	GTGACCTATGCACCAGACGTAATTATTTCATCATTTTGTGTCAGGATTTTTCATAATTCTAGATCGGAAGAGCGGTTCAG
chr9	27209069	27209108	TEK_3261	-	GTGACCTATGCACCAGACGTAGTCAAGGGTTGTGATTCTTCTTTGTTACACCTTTTCAGAAGATCGGAAGAGCGGTTCAG
chr9	27212655	27212694	TEK_3262	-	GTGACCTATGCACCAGACGTGGAAGAGAGCATCGACTCATCAGTGGCCCTGAACAGCTATAGATCGGAAGAGCGGTTCAG
chr9	27213432	27213471	TEK_3263	-	GTGACCTATGCACCAGACGTTGAAAACATTATGTATTTTCAGCCTAATGAAAGCCCCAGGAGATCGGAAGAGCGGTTCAG
chr9	27217636	27217675	TEK_3264	-	GTGACCTATGCACCAGACGTCAAAGTGAGATTTCACTTAACTGGGACAGGGTCTTTAAGAAGATCGGAAGAGCGGTTCAG
chr9	27218725	27218764	TEK_3265	-	GTGACCTATGCACCAGACGTGACAAGTGTGAAACCAACAATCAGCAAACAGAGTCACCGCAGATCGGAAGAGCGGTTCAG
chr9	27219997	27220036	TEK_3266	-	GTGACCTATGCACCAGACGTAACAGTGCCACTCTAAGTCCTCTCTGGCATGAAAAGCAATAGATCGGAAGAGCGGTTCAG
chr9	27228154	27228193	TEK_3267	-	GTGACCTATGCACCAGACGTAAAGAATTAAAGGGTTAATTCTATAACTGTGCTTCAGTCCAGATCGGAAGAGCGGTTCAG
chr9	27229106	27229145	TEK_3268	-	GTGACCTATGCACCAGACGTGAAAATGGTTCAGAGACATAGGCTGCTTTGATTCCACCTCAGATCGGAAGAGCGGTTCAG
chr17	38545721	38545760	TOP2A_3269	-	GTGACCTATGCACCAGACGTGATTATTTTAAGTAATTATCTTACCAAGCCCAAGACTGGTAGATCGGAAGAGCGGTTCAG
chr17	38546167	38546206	TOP2A_3270	-	GTGACCTATGCACCAGACGTATCCTAGTCAGTCCTTTTGCTGTAGATGTTCTGAAACACGAGATCGGAAGAGCGGTTCAG
chr17	38547708	38547747	TOP2A_3271	-	GTGACCTATGCACCAGACGTATCTTTGAGATGGGTTAATGTTGCAATTACCTAACTGGTTAGATCGGAAGAGCGGTTCAG
chr17	38548270	38548309	TOP2A_3272	-	GTGACCTATGCACCAGACGTAAGTAAAAGTAGTGAGACATCTGCCTTACTGGGACACTCAAGATCGGAAGAGCGGTTCAG
chr17	38548420	38548459	TOP2A_3273	-	GTGACCTATGCACCAGACGTTATCTAATATGGGTTTTGTCATGATTGTTTCTAATATATTAGATCGGAAGAGCGGTTCAG
chr17	38548787	38548826	TOP2A_3274	-	GTGACCTATGCACCAGACGTCTAAAGAACATTATAGATAAACTGTAAGAGTGGAATGGCCAGATCGGAAGAGCGGTTCAG
chr17	38551651	38551690	TOP2A_3275	-	GTGACCTATGCACCAGACGTATTTTTAGAAAAATGGTATAAAGTGAAGATTAAATTGTGTAGATCGGAAGAGCGGTTCAG
chr17	38554760	38554799	TOP2A_3276	-	GTGACCTATGCACCAGACGTTATAATGCCCATGTTAGAATTTTTATTAATGAAATAATATAGATCGGAAGAGCGGTTCAG
chr17	38554975	38555014	TOP2A_3277	-	GTGACCTATGCACCAGACGTAGTAGGATGGTACATGCTGCTTAGTTTTGTTCTATTCTAAAGATCGGAAGAGCGGTTCAG
chr17	38555242	38555281	TOP2A_3278	-	GTGACCTATGCACCAGACGTGTGGCACTTTTCTATATTGTTAAAGACTATGTATTGTACAAGATCGGAAGAGCGGTTCAG
chr17	38556074	38556113	TOP2A_3279	-	GTGACCTATGCACCAGACGTGGAATAATAACTGCTTACTAAAACTCTAGTTACGCCAAACAGATCGGAAGAGCGGTTCAG
chr17	38556411	38556450	TOP2A_3280	-	GTGACCTATGCACCAGACGTGTTTTGTGAGATGTACACGTTTCAATTTATATTAAAGATTAGATCGGAAGAGCGGTTCAG
chr17	38556731	38556770	TOP2A_3281	-	GTGACCTATGCACCAGACGTATGGATTTCTTTTTTAGGTTTGTGATCAAAAGAAATACCTAGATCGGAAGAGCGGTTCAG
chr17	38557052	38557091	TOP2A_3282	-	GTGACCTATGCACCAGACGTTGTGTGTGTTAAGAGCCTTAACTTTTCCTTGGGTTTCAGTAGATCGGAAGAGCGGTTCAG
chr17	38559108	38559147	TOP2A_3283	-	GTGACCTATGCACCAGACGTTTTCACTTTCTAGTGACTTGCCATTTCCAGTTTTGAAACAAGATCGGAAGAGCGGTTCAG
chr17	38560354	38560393	TOP2A_3284	-	GTGACCTATGCACCAGACGTAATCCATGTTTCCAGAAAGCATTATATCAGAAATCCCTGCAGATCGGAAGAGCGGTTCAG
chr17	38560579	38560618	TOP2A_3285	-	GTGACCTATGCACCAGACGTATTTGTTAGTCTGTTTTCATTGTAAGATGGAAATCAAATTAGATCGGAAGAGCGGTTCAG
chr17	38560993	38561032	TOP2A_3286	-	GTGACCTATGCACCAGACGTTAAATATATGCCACAAAATGGATTGTTAGACTGACCTTTTAGATCGGAAGAGCGGTTCAG
chr17	38562586	38562625	TOP2A_3287	-	GTGACCTATGCACCAGACGTGTTGTATTTTATATACATTCTAATTTTAGAAATCACTACTAGATCGGAAGAGCGGTTCAG
chr17	38562786	38562825	TOP2A_3288	-	GTGACCTATGCACCAGACGTAAACCCATATAGAACTTCTCATTTTATTATACACCCTGTAAGATCGGAAGAGCGGTTCAG
chr17	38563034	38563073	TOP2A_3289	-	GTGACCTATGCACCAGACGTTTCTAAGTACCATCATGGATATTTTAAGACCCTACTCCTCAGATCGGAAGAGCGGTTCAG
chr17	38563751	38563790	TOP2A_3290	-	GTGACCTATGCACCAGACGTTTATTAAATTTTTAGATTGTTCAACTAAATTAAGCATGTCAGATCGGAAGAGCGGTTCAG
chr17	38564169	38564208	TOP2A_3291	-	GTGACCTATGCACCAGACGTAGACGATCTTCAGAATCTAAATCTAATTTATAATACAAGAAGATCGGAAGAGCGGTTCAG
chr17	38564694	38564733	TOP2A_3292	-	GTGACCTATGCACCAGACGTAATAATGTTTCCAAACTTTTAAGTCTTATAGTTGTTATTTAGATCGGAAGAGCGGTTCAG
chr17	38567311	38567350	TOP2A_3293	-	GTGACCTATGCACCAGACGTAGAGGAAAATAAAAATAGAAACACCTGACTTTATTTTCCAAGATCGGAAGAGCGGTTCAG
chr17	38567556	38567595	TOP2A_3294	-	GTGACCTATGCACCAGACGTTTGGCAGTTTTCTTTTTCTAAAGTCAAGGAAGAAGAGAAAAGATCGGAAGAGCGGTTCAG
chr17	38567847	38567886	TOP2A_3295	-	GTGACCTATGCACCAGACGTTCTTAAATTATTAATCATGATTTATCTTTACATATATGTGAGATCGGAAGAGCGGTTCAG
chr17	38568961	38569000	TOP2A_3296	-	GTGACCTATGCACCAGACGTTCCTGGATGTTAAGGATAATAAGGGATTTTGTAATCATTGAGATCGGAAGAGCGGTTCAG
chr17	38569397	38569436	TOP2A_3297	-	GTGACCTATGCACCAGACGTAAGTGTCTTGTACCTTAATGATAAATGGTAGTAGTATAGCAGATCGGAAGAGCGGTTCAG
chr17	38572207	38572246	TOP2A_3298	-	GTGACCTATGCACCAGACGTTGCTTAGTTTTTGTTATGTAGCTCGTTGCTATTGTTAGCTAGATCGGAAGAGCGGTTCAG
chr17	38572624	38572663	TOP2A_3299	-	GTGACCTATGCACCAGACGTCCTTTAATATAAAGATCTGGTCAAATCTTTCATAAGAAGTAGATCGGAAGAGCGGTTCAG
chr17	38572942	38572981	TOP2A_3300	-	GTGACCTATGCACCAGACGTGCTCATCAAAGGCAGTTAACCTAGTAGTTGAAATGGATACAGATCGGAAGAGCGGTTCAG
chr17	38573973	38574012	TOP2A_3301	-	GTGACCTATGCACCAGACGTCGGGGGGGACTGGCGGTGGAGCCTCCGCGCGGCCCGGGCAAGATCGGAAGAGCGGTTCAG
chr1	154130065	154130104	TPM3_3302	-	GTGACCTATGCACCAGACGTTCCCACCCTGCTGCTGCTCCTCCCTCTGACCCAGACTCCGAGATCGGAAGAGCGGTTCAG
chr1	154131395	154131434	TPM3_3303	-	GTGACCTATGCACCAGACGTTCAATGATGCCCATTAAACTGAGCTTACTGCTCACACCACAGATCGGAAGAGCGGTTCAG
chr1	154140363	154140402	TPM3_3304	-	GTGACCTATGCACCAGACGTTTCTGCTCTGTTCTGGATCTGCCCCCTTTACTCCTCGGGGAGATCGGAAGAGCGGTTCAG
chr1	154141731	154141770	TPM3_3305	-	GTGACCTATGCACCAGACGTGACAGTAGAGTGGGGCTGGGATCTTGGCTTGTGGGTGGATAGATCGGAAGAGCGGTTCAG
chr1	154142826	154142865	TPM3_3306	-	GTGACCTATGCACCAGACGTTGGAGTAGGGATTGAAATAGAGAAATATAGAGGAAGACTGAGATCGGAAGAGCGGTTCAG

chr1	154143075	154143114	TPM3_3307	-	GTGACCTATGCACCAGACGTGGGATTTATAGGGCAGAACCCAAAACATTTAGAGGTATATAGATCGGAAGAGCGGTTCAG
chr1	154143839	154143878	TPM3_3308	-	GTGACCTATGCACCAGACGTGTTTGTGAAAGTGACAGGCTTTGGGGCCTGGGCCCAGCCCAGATCGGAAGAGCGGTTCAG
chr1	154145334	154145373	TPM3_3309	-	GTGACCTATGCACCAGACGTAGCTCCCCAAATCTTGTCATTACCAATTTATCCCTTCCCCAGATCGGAAGAGCGGTTCAG
chr1	154145510	154145549	TPM3_3310	-	GTGACCTATGCACCAGACGTTTCTGTTAGTCCCTCTCGTATCGGCCTTTTACAAAGCATAAGATCGGAAGAGCGGTTCAG
chr1	154148541	154148580	TPM3_3311	-	GTGACCTATGCACCAGACGTAAGCCTGATGGAGTGTGGATTTTAAAAGTTCATAATAGTTAGATCGGAAGAGCGGTTCAG
chr1	154155414	154155453	TPM3_3312	-	GTGACCTATGCACCAGACGTGGTGAGGCTCATGAGGGAGGGGCAGGCGCTGGAGTATCCGAGATCGGAAGAGCGGTTCAG
chr1	154163612	154163651	TPM3_3313	-	GTGACCTATGCACCAGACGTGAGAGATGGAGGATGGGTTTAATCTACACATATAGATCTTAGATCGGAAGAGCGGTTCAG
chr1	154164328	154164367	TPM3_3314	-	GTGACCTATGCACCAGACGTGCATTGATCTCTCTCATCTGCTAGTGAACAAGACTGTGAAAGATCGGAAGAGCGGTTCAG
chr9	107546546	107546585	ABCA1_3315	-	GTGACCTATGCACCAGACGTTCATACGGGGTGGCTGAAAGTAAAGAGGAACTAGACTTTCAGATCGGAAGAGCGGTTCAG
chr9	107547627	107547666	ABCA1_3316	-	GTGACCTATGCACCAGACGTAGTGTCAAAACAGATTTACTTCTCAGGGTGTGGATTCCTGAGATCGGAAGAGCGGTTCAG
chr9	107548529	107548568	ABCA1_3317	-	GTGACCTATGCACCAGACGTTAATTTCTTTGGGATAGTGCCTAGTGAGAAGGCTTGATATAGATCGGAAGAGCGGTTCAG
chr9	107549104	107549143	ABCA1_3318	-	GTGACCTATGCACCAGACGTAAGTCTTGGGTTCCTCACTGTGGGATGTTTTAACTTTCCAAGATCGGAAGAGCGGTTCAG
chr9	107550151	107550190	ABCA1_3319	-	GTGACCTATGCACCAGACGTCTGTGGATGGAAAACTGTTGTTCTGGCCTGAGTGGAAAACAGATCGGAAGAGCGGTTCAG
chr9	107550657	107550696	ABCA1_3320	-	GTGACCTATGCACCAGACGTCACCTGAAAGCCAGCCTGTCTCCTTTGGCATCCTGACAATAGATCGGAAGAGCGGTTCAG
chr9	107553153	107553192	ABCA1_3321	-	GTGACCTATGCACCAGACGTAAGTGGCTTGTATTTTGCTGCAAAGACTTTGTTTTTAATTAGATCGGAAGAGCGGTTCAG
chr9	107554167	107554206	ABCA1_3322	-	GTGACCTATGCACCAGACGTTTTGTCTATATTGCGTTTGTCCCTATTAGTTCAGACTATCAGATCGGAAGAGCGGTTCAG
chr9	107555017	107555056	ABCA1_3323	-	GTGACCTATGCACCAGACGTACAGGTTACAATAGCTCATCTTCAGTTTTTTTCAGCTTTAAGATCGGAAGAGCGGTTCAG
chr9	107555402	107555441	ABCA1_3324	-	GTGACCTATGCACCAGACGTTCTTAGAACCCGTGGAGCACCTGGTTGAGGGTCACAGAGGAGATCGGAAGAGCGGTTCAG
chr9	107556618	107556657	ABCA1_3325	-	GTGACCTATGCACCAGACGTCAGTGGCTGTAGGATGCTTTAATGGAGATGGCACTCTGCAAGATCGGAAGAGCGGTTCAG
chr9	107558540	107558579	ABCA1_3326	-	GTGACCTATGCACCAGACGTTCTGAGTGAGGGAGCTGCACAGTGGATAAGGCATTTGGTGAGATCGGAAGAGCGGTTCAG
chr9	107560652	107560691	ABCA1_3327	-	GTGACCTATGCACCAGACGTAGGCCTGCTGTATCTTTCTGATGTCTGTCAGGGCCATGGAAGATCGGAAGAGCGGTTCAG
chr9	107562050	107562089	ABCA1_3328	-	GTGACCTATGCACCAGACGTCTGTGTCTGTATAGATGGAGTGGGGCAAGGGAGAGGGTTAAGATCGGAAGAGCGGTTCAG
chr9	107562741	107562780	ABCA1_3329	-	GTGACCTATGCACCAGACGTGTCTTTGTTCTAGTAGCTTTTTGATGAACAATAATCCTTAAGATCGGAAGAGCGGTTCAG
chr9	107564285	107564324	ABCA1_3330	-	GTGACCTATGCACCAGACGTTATCGTAAGATGTATCAGAAAAATGGGCATGTAGCTGCTGAGATCGGAAGAGCGGTTCAG
chr9	107565515	107565554	ABCA1_3331	-	GTGACCTATGCACCAGACGTGTCTTTCTGGCACGTTTAGCTCAGGGGGAGGATGGTGTTGAGATCGGAAGAGCGGTTCAG
chr9	107566857	107566896	ABCA1_3332	-	GTGACCTATGCACCAGACGTACTAAACTTGGCCCCTGCCGTATTATTACTAATTAGAGGAAGATCGGAAGAGCGGTTCAG
chr9	107568472	107568511	ABCA1_3333	-	GTGACCTATGCACCAGACGTTTCAGGGGGTGATTGGGCAGAAGGGGTGCAGGATGGGCTGAGATCGGAAGAGCGGTTCAG
chr9	107571697	107571736	ABCA1_3334	-	GTGACCTATGCACCAGACGTCTTTAGCCATAAGCAGGCTTCTTGTGCTTGTTGCCTGGTTAGATCGGAAGAGCGGTTCAG
chr9	107573031	107573070	ABCA1_3335	-	GTGACCTATGCACCAGACGTCTTCTACATCCCAGGAGGGGGTAAGATTCGAGCAGACCAAAGATCGGAAGAGCGGTTCAG
chr9	107574805	107574844	ABCA1_3336	-	GTGACCTATGCACCAGACGTCTGTTTTCGCCAGAGACTCTGGCTTCATGGGTGGGCTGCAAGATCGGAAGAGCGGTTCAG
chr9	107576349	107576388	ABCA1_3337	-	GTGACCTATGCACCAGACGTGCAAGATCAAACAGTGTCCTACTGTTTGAATGTGAAATTCAGATCGGAAGAGCGGTTCAG
chr9	107576658	107576697	ABCA1_3338	-	GTGACCTATGCACCAGACGTTGAGGGAGAATGGCACACTTAAGATAGTGCCTTCTGCTGGAGATCGGAAGAGCGGTTCAG
chr9	107578374	107578413	ABCA1_3339	-	GTGACCTATGCACCAGACGTTGGCTGACTGTCGGAATATATAGCAAGGCCAAATGTCCTAAGATCGGAAGAGCGGTTCAG
chr9	107579563	107579602	ABCA1_3340	-	GTGACCTATGCACCAGACGTTGGGGTTTCTTATTCAGGTGGTGCCTGAGCTTCCCCCAGCAGATCGGAAGAGCGGTTCAG
chr9	107580894	107580933	ABCA1_3341	-	GTGACCTATGCACCAGACGTGTCTTGGTGCTGGGCTGGTGTTGGGTCTGGGCAGCCAGGAAGATCGGAAGAGCGGTTCAG
chr9	107581817	107581856	ABCA1_3342	-	GTGACCTATGCACCAGACGTTGTATTTATTCTGAGTAAATGGACTGAGAGAGAGCGGGGGAGATCGGAAGAGCGGTTCAG
chr9	107582158	107582197	ABCA1_3343	-	GTGACCTATGCACCAGACGTGAGCTACCTTCCCTATCCCTCTCCCCTCCTCCTCCGGCTAAGATCGGAAGAGCGGTTCAG
chr9	107583606	107583645	ABCA1_3344	-	GTGACCTATGCACCAGACGTGCAGCACGTTAAGAATAGGCCTTTTCTGGATGTGTGTGTGAGATCGGAAGAGCGGTTCAG
chr9	107584727	107584766	ABCA1_3345	-	GTGACCTATGCACCAGACGTGGTGTGGTTCCCGCAGAATCAGCCACAGGAGGGTTCTGCAAGATCGGAAGAGCGGTTCAG
chr9	107586696	107586735	ABCA1_3346	-	GTGACCTATGCACCAGACGTTTGACCTCCTGCTCTTTCTTTAACCTAGTGCTGCTGCCTCAGATCGGAAGAGCGGTTCAG
chr9	107587914	107587953	ABCA1_3347	-	GTGACCTATGCACCAGACGTTTGGGCATCTGTTTGGAAAATATGACTTCTAGCTGATGTCAGATCGGAAGAGCGGTTCAG
chr9	107589179	107589218	ABCA1_3348	-	GTGACCTATGCACCAGACGTCTGGCCTTTCTTCAGTGGCTGTAGGCATTTGACCTTCCTTAGATCGGAAGAGCGGTTCAG
chr9	107591147	107591186	ABCA1_3349	-	GTGACCTATGCACCAGACGTCTCACTCGCTCTTCCCTGCCAGGAAACTCCGAAATAGCTCAGATCGGAAGAGCGGTTCAG
chr9	107593156	107593195	ABCA1_3350	-	GTGACCTATGCACCAGACGTTGCAAGCCACTGTTTTTAACCAGTTTATACTGTGCCAGATAGATCGGAAGAGCGGTTCAG
chr9	107593853	107593892	ABCA1_3351	-	GTGACCTATGCACCAGACGTTCCCATCACACCAGCCTGGTCTTGGGGAGGTCCAGAGCACAGATCGGAAGAGCGGTTCAG
chr9	107594805	107594844	ABCA1_3352	-	GTGACCTATGCACCAGACGTTGCTGGGATCATTTAGAAAAGACTTAACGGCTTCTTTCTCAGATCGGAAGAGCGGTTCAG
chr9	107599211	107599250	ABCA1_3353	-	GTGACCTATGCACCAGACGTCTCCCATTATTACCATGTGCCTGCTTGATACTGGAGAGGTAGATCGGAAGAGCGGTTCAG
chr9	107599659	107599698	ABCA1_3354	-	GTGACCTATGCACCAGACGTCCCAGCCCAAGACTCCCTCCCCAGAATCTCCCCAGAACTGAGATCGGAAGAGCGGTTCAG
chr9	107602510	107602549	ABCA1_3355	-	GTGACCTATGCACCAGACGTATGCAGACCCCAGCCCTGTCCCCAACCCCATCCCTCCCTTAGATCGGAAGAGCGGTTCAG
chr9	107607708	107607747	ABCA1_3356	-	GTGACCTATGCACCAGACGTTCTTTCCAGTACCAGGAAGCGGATCATCCACTGTATCAGTAGATCGGAAGAGCGGTTCAG
chr9	107620753	107620792	ABCA1_3357	-	GTGACCTATGCACCAGACGTTTGCTCACTGGAGAAACTTCAAGCACTAATGCTTTCGGAAAGATCGGAAGAGCGGTTCAG
chr9	107623910	107623949	ABCA1_3358	-	GTGACCTATGCACCAGACGTGCCTCCAGCTTCCTCAGTAGGGCTGATGGCAATTACGTTGAGATCGGAAGAGCGGTTCAG
chr9	107645270	107645309	ABCA1_3359	-	GTGACCTATGCACCAGACGTACCTTCTCTGCATCCGTTTATAATTGGAAATTGACCTGCAAGATCGGAAGAGCGGTTCAG
chr9	107646658	107646697	ABCA1_3360	-	GTGACCTATGCACCAGACGTGATCAGGTTTTCTTTCCAAACTTGTCAGTTAATCCTTTTCAGATCGGAAGAGCGGTTCAG
chr9	107651333	107651372	ABCA1_3361	-	GTGACCTATGCACCAGACGTGTGGATGTTGCCTGAGACTCACCAATGGCAGGGAAAATCCAGATCGGAAGAGCGGTTCAG
chr9	107665845	107665884	ABCA1_3362	-	GTGACCTATGCACCAGACGTGTTTTTCAGCAGCGGGGGGTTCTCTCATTTTTTCTTTGTGAGATCGGAAGAGCGGTTCAG
chr19	1452951	1452990	APC2_3363	-	GTGACCTATGCACCAGACGTTGCAGCGTCTGGGATCACAGGGTCAGAGGGTTCAGCTGATAGATCGGAAGAGCGGTTCAG
chr19	1453196	1453235	APC2_3364	-	GTGACCTATGCACCAGACGTGGGAAAGAGGGCGGGAAGCCATCAGCCACTGCACTGGGCTAGATCGGAAGAGCGGTTCAG

chr19	1453380	1453419	APC2_3365	-	GTGACCTATGCACCAGACGTGGGGACAGGGCGGAGGTCAGCGGCCCTGCCTGCCTTTCCCAGATCGGAAGAGCGGTTCAG
chr19	1455098	1455137	APC2_3366	-	GTGACCTATGCACCAGACGTAGTCAGCGGGGGCGGGCTCAGAGGGCGGCGCCGTGTGTGTAGATCGGAAGAGCGGTTCAG
chr19	1455333	1455372	APC2_3367	-	GTGACCTATGCACCAGACGTCAGGCGGGCGGGCCACGGTGAGGGGCGCCCGGGCCAGGCCAGATCGGAAGAGCGGTTCAG
chr19	1456255	1456294	APC2_3368	-	GTGACCTATGCACCAGACGTAGCACCAGGGTCGGGGGTACAGTCCCAGAGCACCCAGTCTAGATCGGAAGAGCGGTTCAG
chr19	1456802	1456841	APC2_3369	-	GTGACCTATGCACCAGACGTGGCAGGGTCAGGGTGGGGTCCCTCACCTGCCCCCCGCACAAGATCGGAAGAGCGGTTCAG
chr19	1457914	1457953	APC2_3370	-	GTGACCTATGCACCAGACGTAGGGACCAGATCAGAGCCCCCATTCCCAGGAAATGTCCCAAGATCGGAAGAGCGGTTCAG
chr19	1460130	1460169	APC2_3371	-	GTGACCTATGCACCAGACGTCCAACAAGGTTGGTGGGTGGCAGGGATGACCCTGCCTGCTAGATCGGAAGAGCGGTTCAG
chr19	1460729	1460768	APC2_3372	-	GTGACCTATGCACCAGACGTTTATGCAGCCGGGGTCACGGGGTTGGGACACAAGGGAGACAGATCGGAAGAGCGGTTCAG
chr19	1460986	1461025	APC2_3373	-	GTGACCTATGCACCAGACGTTGAGGGGCAAGTGTGGTGGGACTAGGGTCCAGGCCCCCCAAGATCGGAAGAGCGGTTCAG
chr19	1461912	1461951	APC2_3374	-	GTGACCTATGCACCAGACGTGGCGGGAGAGGGGCGGGTCAGGGCCTGAGTGGCCCGGAGGAGATCGGAAGAGCGGTTCAG
chr19	1465104	1465143	APC2_3375	-	GTGACCTATGCACCAGACGTAGGGCGGGTTAGCCTGGGCCACCCCCCACCCTCCCCTGCCAGATCGGAAGAGCGGTTCAG
chr19	1465564	1465603	APC2_3376	-	GTGACCTATGCACCAGACGTGCCAGGCCGTCCAGGTGTCGCAGGGGCGGCAGCGGCTTCTAGATCGGAAGAGCGGTTCAG
chr19	1466024	1466063	APC2_3377	-	GTGACCTATGCACCAGACGTGCTGGCGTGGGCCGCCTTGAGCCGCAGCAGCGGGTGCGCCAGATCGGAAGAGCGGTTCAG
chr19	1466484	1466523	APC2_3378	-	GTGACCTATGCACCAGACGTAGGAAAGGGAGCTGCATCGGGACAGCGAGAGTGGCCCCTCAGATCGGAAGAGCGGTTCAG
chr19	1466944	1466983	APC2_3379	-	GTGACCTATGCACCAGACGTTGGGTGGCCTCGGGGGGACCCTGTGGCGCGGGCGCCAGCGAGATCGGAAGAGCGGTTCAG
chr19	1467404	1467443	APC2_3380	-	GTGACCTATGCACCAGACGTGGCCGGGGCGGGCACCAACATGTAGACGGGCACGGGGAGTAGATCGGAAGAGCGGTTCAG
chr19	1467864	1467903	APC2_3381	-	GTGACCTATGCACCAGACGTGAGGGATGGCCGATGTGCGCCGGTGGGTTGGCGTGGGCGCAGATCGGAAGAGCGGTTCAG
chr19	1468324	1468363	APC2_3382	-	GTGACCTATGCACCAGACGTGCGCGCCACTCCACGCTATCCAGGTCGGAGGCCCGGTCCGAGATCGGAAGAGCGGTTCAG
chr19	1468784	1468823	APC2_3383	-	GTGACCTATGCACCAGACGTCCGCGACCGCTGCTGCCCGGGGCTCGGGACTTTGGCTGGAAGATCGGAAGAGCGGTTCAG
chr19	1469244	1469283	APC2_3384	-	GTGACCTATGCACCAGACGTGCTGTCGCCGGAAGCCCGAGCGGTCGGAGGACTCGCTGCCAGATCGGAAGAGCGGTTCAG
chr19	1469704	1469743	APC2_3385	-	GTGACCTATGCACCAGACGTCGCCGCCAGGTCGTGCCCGGCGCGGCCACCCTGGGGAGCGAGATCGGAAGAGCGGTTCAG
chr20	54945164	54945203	AURKA_3386	-	GTGACCTATGCACCAGACGTGGGGGAGAAATCCTTGAGCCAGGGCTGCCATATAACCTGAAGATCGGAAGAGCGGTTCAG
chr20	54945491	54945530	AURKA_3387	-	GTGACCTATGCACCAGACGTACTGAAAAGGACCCAGCACATCTGCTGGAATTCTTTCCTTAGATCGGAAGAGCGGTTCAG
chr20	54948414	54948453	AURKA_3388	-	GTGACCTATGCACCAGACGTTTAGAGGTGGAAGTTGTTTGGTTTACCAAAGCCCTGGGAGAGATCGGAAGAGCGGTTCAG
chr20	54956439	54956478	AURKA_3389	-	GTGACCTATGCACCAGACGTATTTATTGTCCAGGCTAATTGTGTTTCCTTTATACCTGTCAGATCGGAAGAGCGGTTCAG
chr20	54957991	54958030	AURKA_3390	-	GTGACCTATGCACCAGACGTAGGTTCATGTTCAAAAGAATGTTCACCAATGCTGCACCCCAGATCGGAAGAGCGGTTCAG
chr20	54959276	54959315	AURKA_3391	-	GTGACCTATGCACCAGACGTTTATTTACAAAGTTCTGTACTGTTCTACTAGAATATATTAAGATCGGAAGAGCGGTTCAG
chr20	54961263	54961302	AURKA_3392	-	GTGACCTATGCACCAGACGTTTTTGAGACTCATTGGATAGTCCTTCTTTGTCGTCGTTGCAGATCGGAAGAGCGGTTCAG
chr20	54963162	54963201	AURKA_3393	-	GTGACCTATGCACCAGACGTTAATCTGTAATCTCATTCACATTTATAAACCCACATGGAGAGATCGGAAGAGCGGTTCAG
chr6	41903628	41903667	CCND3_3394	-	GTGACCTATGCACCAGACGTGCCCTCTGGAGTGGCCACTAAGCAGAGGAGGGGCCGCTGCAGATCGGAAGAGCGGTTCAG
chr6	41904247	41904286	CCND3_3395	-	GTGACCTATGCACCAGACGTGGTAGCTGGGCAGCAGCCTCTCCATTCATAAAGTAGTGCTAGATCGGAAGAGCGGTTCAG
chr6	41904923	41904962	CCND3_3396	-	GTGACCTATGCACCAGACGTTATGCACATTTTTGCCAAATTGGAAAAATCAGAAGACTTAAGATCGGAAGAGCGGTTCAG
chr6	41908058	41908097	CCND3_3397	-	GTGACCTATGCACCAGACGTAACTCCCCCCACCCCCGACACGTATTGTCTCCCCACTTTCAGATCGGAAGAGCGGTTCAG
chr6	41909140	41909179	CCND3_3398	-	GTGACCTATGCACCAGACGTGACGCGTCCCCCTCCCCCACCGCTCCCGGGTCTGGACACAAGATCGGAAGAGCGGTTCAG
chrX	135730358	135730397	CD40LG_3399	-	GTGACCTATGCACCAGACGTAGTTGAAATGGTATCTTCTGGCAGAGAAGGTGGCAGAGGCAGATCGGAAGAGCGGTTCAG
chrX	135732375	135732414	CD40LG_3400	-	GTGACCTATGCACCAGACGTATAACAAGGATATGATAAATGTCATTCGGAAGGAGAATACAGATCGGAAGAGCGGTTCAG
chrX	135736482	135736521	CD40LG_3401	-	GTGACCTATGCACCAGACGTAAGCATTGCAAGAGGTCATTTTGACAGGGGCTCTGCTGTGAGATCGGAAGAGCGGTTCAG
chrX	135738465	135738504	CD40LG_3402	-	GTGACCTATGCACCAGACGTACCAAAAACTGTCAGGCTAAAATAATGCAAAAACTGCCCAAGATCGGAAGAGCGGTTCAG
chrX	135741148	135741187	CD40LG_3403	-	GTGACCTATGCACCAGACGTGAAAGGGAAAGTTTGTGGTGAGGTGAAGCAGAGCATGGTTAGATCGGAAGAGCGGTTCAG
chr13	28537202	28537241	CDX2_3404	-	GTGACCTATGCACCAGACGTTCTGCAGCGGCAGAGCAATTCCAGGCTGAGCCATGAGGAGAGATCGGAAGAGCGGTTCAG
chr13	28538957	28538996	CDX2_3405	-	GTGACCTATGCACCAGACGTCCTAGCTCCCTCCGGGCGGGCCACTGCCTGGCAGAGGACCAGATCGGAAGAGCGGTTCAG
chr13	28542553	28542592	CDX2_3406	-	GTGACCTATGCACCAGACGTGCTGCGCCCCTTCGGAGGGTGCTTGGGAAGGCGCGGGTCGAGATCGGAAGAGCGGTTCAG
chr13	28542823	28542862	CDX2_3407	-	GTGACCTATGCACCAGACGTCGGCCTCAACGGTGGCTCCCCGGCCGCAGCCATGGGCTACAGATCGGAAGAGCGGTTCAG
chr15	51502955	51502994	CYP19A1_3408	-	GTGACCTATGCACCAGACGTTCAGTACCCACTCTGGAGCATTTCTCATCAGTAGTTCACAAGATCGGAAGAGCGGTTCAG
chr15	51504467	51504506	CYP19A1_3409	-	GTGACCTATGCACCAGACGTTTCCTTAAAACTGAGTGTGCCACTCTTGAAAATGTCAACTAGATCGGAAGAGCGGTTCAG
chr15	51507217	51507256	CYP19A1_3410	-	GTGACCTATGCACCAGACGTATCAAATAAATAATACATCTTAAAAACAATTTCTTCTGAAAGATCGGAAGAGCGGTTCAG
chr15	51507850	51507889	CYP19A1_3411	-	GTGACCTATGCACCAGACGTGAACTAACTGTAATTCCCATGCCACATATGTTATGACTGTAGATCGGAAGAGCGGTTCAG
chr15	51510688	51510727	CYP19A1_3412	-	GTGACCTATGCACCAGACGTCAACTTTGGAAGATTTATGAGTACAATTGGATTGGTTTTTAGATCGGAAGAGCGGTTCAG
chr15	51514496	51514535	CYP19A1_3413	-	GTGACCTATGCACCAGACGTTTTCACTCTCACATCTTGACCATCTGTCCTTTACTGAACAAGATCGGAAGAGCGGTTCAG
chr15	51519926	51519965	CYP19A1_3414	-	GTGACCTATGCACCAGACGTACTTAGTTAGCTACAATCTTTTTTGTCTATGAATGTGCCTAGATCGGAAGAGCGGTTCAG
chr15	51529006	51529045	CYP19A1_3415	-	GTGACCTATGCACCAGACGTTCATAATCGAAGACATACTTTTTAAATCGAGGCTGGAGTTAGATCGGAAGAGCGGTTCAG
chr15	51534915	51534954	CYP19A1_3416	-	GTGACCTATGCACCAGACGTCATTTATTTCTGTATCTAAGGAGATTATTTACTTGGGATTAGATCGGAAGAGCGGTTCAG
chr20	31367872	31367911	DNMT3B_3417	-	GTGACCTATGCACCAGACGTTGTCCCGAAGGCTCAGACGCCAGCACCCAGGACAGAGTGGAGATCGGAAGAGCGGTTCAG
chr20	31368074	31368113	DNMT3B_3418	-	GTGACCTATGCACCAGACGTAGCCAGAATGGGTGGGGTGAAAGGGAAGCAGGGACATGAGAGATCGGAAGAGCGGTTCAG
chr20	31368080	31368119	DNMT3B_3419	-	GTGACCTATGCACCAGACGTGGGAGAAGCCAGAATGGGTGGGGTGAAAGGGAAGCAGGGAAGATCGGAAGAGCGGTTCAG
chr20	31369109	31369148	DNMT3B_3420	-	GTGACCTATGCACCAGACGTAACAGCCAGGAGTCTGTTTTGTGGGGGCAGGCACCAGTCTAGATCGGAAGAGCGGTTCAG
chr20	31372514	31372553	DNMT3B_3421	-	GTGACCTATGCACCAGACGTAAACATGATGAACATGATGAAGACCCCAGGGTATCAGCAAAGATCGGAAGAGCGGTTCAG
chr20	31374258	31374297	DNMT3B_3422	-	GTGACCTATGCACCAGACGTGAGAGGACACTCACTGGGCCTTAGGTGACTGGAGGCCTGGAGATCGGAAGAGCGGTTCAG

chr20	31374986	31375025	DNMT3B_3423	-	GTGACCTATGCACCAGACGTAAGGACACATAGTTTGGGCCAGAGCAAAGGATGTCGGTGAAGATCGGAAGAGCGGTTCAG
chr20	31376610	31376649	DNMT3B_3424	-	GTGACCTATGCACCAGACGTACCCACATGAAGAAATCCCAGTGAGGAGAGGCCATCCTGGAGATCGGAAGAGCGGTTCAG
chr20	31379357	31379396	DNMT3B_3425	-	GTGACCTATGCACCAGACGTAAGACATCATCAACATCCACCTACAGGTGTGTCCCAGGTGAGATCGGAAGAGCGGTTCAG
chr20	31380382	31380421	DNMT3B_3426	-	GTGACCTATGCACCAGACGTAGAGTCTGTGATGAATGGGGGGGTGGGGAGGAGGTGCTCGAGATCGGAAGAGCGGTTCAG
chr20	31383165	31383204	DNMT3B_3427	-	GTGACCTATGCACCAGACGTTAATTAGACTGCAGCCGTGGCTTGGTAGGAGGGTCCAGAGAGATCGGAAGAGCGGTTCAG
chr20	31383406	31383445	DNMT3B_3428	-	GTGACCTATGCACCAGACGTAAGAAGAAGGCATGAGATGAGGTCAGGGAGCCGGGTACAGAGATCGGAAGAGCGGTTCAG
chr20	31384546	31384585	DNMT3B_3429	-	GTGACCTATGCACCAGACGTAACAGGGTTGTGGCTTTTGGCAGTTGAGGCCCTGACACCAAGATCGGAAGAGCGGTTCAG
chr20	31384943	31384982	DNMT3B_3430	-	GTGACCTATGCACCAGACGTGAGAGAAACACCAGTGAAATCGGAGACCAGAGAAGGGCAGAGATCGGAAGAGCGGTTCAG
chr20	31386216	31386255	DNMT3B_3431	-	GTGACCTATGCACCAGACGTTGGCAGGGAGAAGGGATGCCTTTGTCAGAGCTGGTCTCCTAGATCGGAAGAGCGGTTCAG
chr20	31387000	31387039	DNMT3B_3432	-	GTGACCTATGCACCAGACGTAGGAAGGAGGTCATGGTGGTGAAGGCACAGGGCAAAGACTAGATCGGAAGAGCGGTTCAG
chr20	31387909	31387948	DNMT3B_3433	-	GTGACCTATGCACCAGACGTCAGAGAGACACAGAAGCATAAATGATGCTGAGCACACAGCAGATCGGAAGAGCGGTTCAG
chr20	31388591	31388630	DNMT3B_3434	-	GTGACCTATGCACCAGACGTGAGACAGAGTCAGGATGAGGGTGTGGACAGAGGGAAAGAGAGATCGGAAGAGCGGTTCAG
chr20	31389034	31389073	DNMT3B_3435	-	GTGACCTATGCACCAGACGTAAAAGATGACAGCGCAGGGTTCATTTGAAACCTCCAGCCCAGATCGGAAGAGCGGTTCAG
chr20	31390141	31390180	DNMT3B_3436	-	GTGACCTATGCACCAGACGTAAAGAAGGTTACTGTTAGGAGCCTATTATTAGAGTTTCAGAGATCGGAAGAGCGGTTCAG
chr20	31393094	31393133	DNMT3B_3437	-	GTGACCTATGCACCAGACGTCCAAAACCCATTACTTCTTACTAGCTATAGAGGGTCCTCTAGATCGGAAGAGCGGTTCAG
chr20	31393965	31394004	DNMT3B_3438	-	GTGACCTATGCACCAGACGTAAATGACATCATGGAGTGAGCACAGAATGAAGGGACCTGGAGATCGGAAGAGCGGTTCAG
chr20	31395518	31395557	DNMT3B_3439	-	GTGACCTATGCACCAGACGTCGGAGTGAAAAGACAGCAAGTCAGAAGTGCCTCCAGGATGAGATCGGAAGAGCGGTTCAG
chr19	45912883	45912922	ERCC1_3440	-	GTGACCTATGCACCAGACGTTGCCAAGGAAACCCCCAGTGTAATAATAAATCGTCCTCCCAGATCGGAAGAGCGGTTCAG
chr19	45916885	45916924	ERCC1_3441	-	GTGACCTATGCACCAGACGTTGGGAAAGAACCCAAGGAGTTGGGGGAAGGAGAGAGCCCCAGATCGGAAGAGCGGTTCAG
chr19	45917171	45917210	ERCC1_3442	-	GTGACCTATGCACCAGACGTGCTCCCCTGCCCCATAGGCATTTCTGTCCCCTTGCCTTTTAGATCGGAAGAGCGGTTCAG
chr19	45918069	45918108	ERCC1_3443	-	GTGACCTATGCACCAGACGTCTCACCTCCCATCCCTGCCTGGGCCTCCCCGCAGCTCCTGAGATCGGAAGAGCGGTTCAG
chr19	45920029	45920068	ERCC1_3444	-	GTGACCTATGCACCAGACGTGGCTTCCCTGCCTCATTCAGGCTCCACCTGGGATTGGTCCAGATCGGAAGAGCGGTTCAG
chr19	45922306	45922345	ERCC1_3445	-	GTGACCTATGCACCAGACGTGCTGCTCCCTAGCCAGCCTCACCGGGCTTTGAGGTTGTGCAGATCGGAAGAGCGGTTCAG
chr19	45923532	45923571	ERCC1_3446	-	GTGACCTATGCACCAGACGTCGGCGCCACCCCAGACTTCAGGAAGGGCACCCCACTGGCCAGATCGGAAGAGCGGTTCAG
chr19	45924386	45924425	ERCC1_3447	-	GTGACCTATGCACCAGACGTAGACGGAGAAGTGAGGCCTTGAGGTTTTCAGTGGGAAACGAGATCGGAAGAGCGGTTCAG
chr19	45926478	45926517	ERCC1_3448	-	GTGACCTATGCACCAGACGTGAGATGCGGGGCCCCTGGGAGGCTGGGGGCTGTTAGGACGAGATCGGAAGAGCGGTTCAG
chr16	14013973	14014012	ERCC4_3449	-	GTGACCTATGCACCAGACGTCCGGGTCGCAGCCGAACGCAGCCGAAGGAAGCCGACTCCTAGATCGGAAGAGCGGTTCAG
chr16	14015838	14015877	ERCC4_3450	-	GTGACCTATGCACCAGACGTTCAAACTTGATTAGTAGGCTATTTAATACAGGGCAGTTTTAGATCGGAAGAGCGGTTCAG
chr16	14021835	14021874	ERCC4_3451	-	GTGACCTATGCACCAGACGTAAATATTTTTCAACAATTTTCTAGAGTTTCAGCAGCTATGAGATCGGAAGAGCGGTTCAG
chr16	14024517	14024556	ERCC4_3452	-	GTGACCTATGCACCAGACGTAATAAAATTTGGTATTGCTAAAATATGTTAAGTATAGTTAAGATCGGAAGAGCGGTTCAG
chr16	14025964	14026003	ERCC4_3453	-	GTGACCTATGCACCAGACGTAAGTTAAAAGAAAAAGTGCCATCAATTTATGGTTAATTTAAGATCGGAAGAGCGGTTCAG
chr16	14027999	14028038	ERCC4_3454	-	GTGACCTATGCACCAGACGTATAAAAATATCTCATTCTATGTGATAATATTTACCCATAAAGATCGGAAGAGCGGTTCAG
chr16	14028953	14028992	ERCC4_3455	-	GTGACCTATGCACCAGACGTAAAACAACATTATGTTACTATTACCTCACTTGTCCTCCTAAGATCGGAAGAGCGGTTCAG
chr16	14031573	14031612	ERCC4_3456	-	GTGACCTATGCACCAGACGTAGACAGAACTTTTAGGTTGGAAAAACAGCATTTTTAATCCAGATCGGAAGAGCGGTTCAG
chr16	14038530	14038569	ERCC4_3457	-	GTGACCTATGCACCAGACGTAAACATTGTCAACACTTCTGAAACAAATTTCAAAATTCTAAGATCGGAAGAGCGGTTCAG
chr16	14041421	14041460	ERCC4_3458	-	GTGACCTATGCACCAGACGTAAAGTAAGTAATGTCACTGGGGAAGAACTCTCAAAGAAGGAGATCGGAAGAGCGGTTCAG
chr16	14029252	14029291	ERCC4_3459	-	GTGACCTATGCACCAGACGTGGTTTTCCTACCATTTGAGTTAAGGTCAACTTCCGTTTTTAGATCGGAAGAGCGGTTCAG
chr16	14041788	14041827	ERCC4_3460	-	GTGACCTATGCACCAGACGTTAAGAAGAGTGAGTTTGGAACTAATGTCATTGCTGGAGATAGATCGGAAGAGCGGTTCAG
chr17	41605837	41605876	ETV4_3461	-	GTGACCTATGCACCAGACGTCTGTTCCCCCTGCCGCAGGTGGGTGCTGCCCTGTGTACATAGATCGGAAGAGCGGTTCAG
chr17	41606453	41606492	ETV4_3462	-	GTGACCTATGCACCAGACGTTGGGTCTAGGGACAAGGTGGTGGGGGGCAGTGGCTGTGAGAGATCGGAAGAGCGGTTCAG
chr17	41606822	41606861	ETV4_3463	-	GTGACCTATGCACCAGACGTCGGATGTTCCCAGCCCTCCTTTCCAAAGTTTACAGCCTGGAGATCGGAAGAGCGGTTCAG
chr17	41607202	41607241	ETV4_3464	-	GTGACCTATGCACCAGACGTTGACTGTTGATGGGAGGGTCAAGGTCTTATCACGCTGTGTAGATCGGAAGAGCGGTTCAG
chr17	41607425	41607464	ETV4_3465	-	GTGACCTATGCACCAGACGTCCCCCTTCCCCTGCCAAGCCCTCCATGTTGGGGGAGGGAGAGATCGGAAGAGCGGTTCAG
chr17	41609992	41610031	ETV4_3466	-	GTGACCTATGCACCAGACGTGGGGTGGGGCAGGGTGGCATGTGATCAAGTGTTCAGTTAAAGATCGGAAGAGCGGTTCAG
chr17	41610505	41610544	ETV4_3467	-	GTGACCTATGCACCAGACGTAGGGAAACCCACTGCTCATGGGCCCAGGTGTTTTTTCAATAGATCGGAAGAGCGGTTCAG
chr17	41611177	41611216	ETV4_3468	-	GTGACCTATGCACCAGACGTGCCTGGACCTGGTGAAGGGTAGGAGAAGGGTTCCAGAGGAAGATCGGAAGAGCGGTTCAG
chr17	41613744	41613783	ETV4_3469	-	GTGACCTATGCACCAGACGTGTCCCTGGGGAGAGGGTATAGGGAGTGGAGGATGGCAGGAAGATCGGAAGAGCGGTTCAG
chr17	41622293	41622332	ETV4_3470	-	GTGACCTATGCACCAGACGTTTGTGACCTTTTCTATTTTGGGAGGCTGGACAGGGGGACAAGATCGGAAGAGCGGTTCAG
chr15	91428226	91428265	FES_3471	-	GTGACCTATGCACCAGACGTTGGGGACAGAAAAGGGGCCATCCCTGGAGGCAAGGCAGCAAGATCGGAAGAGCGGTTCAG
chr15	91428592	91428631	FES_3472	-	GTGACCTATGCACCAGACGTCAGATGGGGGAGGCAGGGAGGGGGGCACAATGGCTCCCAAAGATCGGAAGAGCGGTTCAG
chr15	91430141	91430180	FES_3473	-	GTGACCTATGCACCAGACGTAGGAGAGGCCAGTGTGGGGCAGCAGGTCCCCAGTTGTGGAAGATCGGAAGAGCGGTTCAG
chr15	91430367	91430406	FES_3474	-	GTGACCTATGCACCAGACGTGGGGGCAAGGGGTATAGATGACAGCATGGAGGCCCAGGCAAGATCGGAAGAGCGGTTCAG
chr15	91432697	91432736	FES_3475	-	GTGACCTATGCACCAGACGTCAGCGCCCCGTCAGTGGACAGGCCAGCAGCCCTGGGCCCAAGATCGGAAGAGCGGTTCAG
chr15	91433020	91433059	FES_3476	-	GTGACCTATGCACCAGACGTGAGAAGGGCAGCATTAGAACCGAGCCCTCCTGCCCCCTCAAGATCGGAAGAGCGGTTCAG
chr15	91433272	91433311	FES_3477	-	GTGACCTATGCACCAGACGTGGGCGGGTGGGAGGGTGGATGAGAATAAGGGCTCGGTCTGAGATCGGAAGAGCGGTTCAG
chr15	91433581	91433620	FES_3478	-	GTGACCTATGCACCAGACGTGGACAGACGTCAGCGGGTGGCCAGGCTTAGGGAGGGGGAGAGATCGGAAGAGCGGTTCAG
chr15	91434162	91434201	FES_3479	-	GTGACCTATGCACCAGACGTGAGGATCGAGGAGGAGTCACTTAACCACCTTGTTGAAGAGAGATCGGAAGAGCGGTTCAG
chr15	91434734	91434773	FES_3480	-	GTGACCTATGCACCAGACGTGGGGACCCGGGGTCAGCAGCCTCCATTCTGAGGGGGCGTGAGATCGGAAGAGCGGTTCAG

chr15	91435238	91435277	FES_3481	-	GTGACCTATGCACCAGACGTGAGGAGACAGGGGATCAGAAGTCTGAAGAAAAGGGGTGCTAGATCGGAAGAGCGGTTCAG
chr15	91435887	91435926	FES_3482	-	GTGACCTATGCACCAGACGTCTTGGGCTCCTACCACGGCCTTCCCAGTCCCGCAGTTCTCAGATCGGAAGAGCGGTTCAG
chr15	91436280	91436319	FES_3483	-	GTGACCTATGCACCAGACGTCTGCTGCTCAGGATCTACGTGGCCAGGCCCGCCTCCCCAGAGATCGGAAGAGCGGTTCAG
chr15	91436471	91436510	FES_3484	-	GTGACCTATGCACCAGACGTGGAGGACCCCTGCTGAGCCTCCTGAGGTAAGGCTGCCACCAGATCGGAAGAGCGGTTCAG
chr15	91436834	91436873	FES_3485	-	GTGACCTATGCACCAGACGTCAGGGCAGGGGCTCATTTGGCCAACAGTCGCCTGCCCAGCAGATCGGAAGAGCGGTTCAG
chr15	91437116	91437155	FES_3486	-	GTGACCTATGCACCAGACGTGGCGAGGAGGTGAGGCAGCGTGAGTGCACCCTCCCTGGGGAGATCGGAAGAGCGGTTCAG
chr15	91438596	91438635	FES_3487	-	GTGACCTATGCACCAGACGTAGGCACAGCACACCAGGCATGAGGAGGGAGTTTGAGGGTCAGATCGGAAGAGCGGTTCAG
chr4	144258292	144258331	GAB1_3488	-	GTGACCTATGCACCAGACGTTCTCGGGCTCCGGGCCGGGCAGCTGAGGGGCGGCGGGCGCAGATCGGAAGAGCGGTTCAG
chr4	144336580	144336619	GAB1_3489	-	GTGACCTATGCACCAGACGTAACAAAAATATCCATTCAGTATTAACTTGAGATAATGTTTAGATCGGAAGAGCGGTTCAG
chr4	144354594	144354633	GAB1_3490	-	GTGACCTATGCACCAGACGTAAAGTTTAACTATCACGTCTATCACAGTTAAACAATTTTTAGATCGGAAGAGCGGTTCAG
chr4	144359102	144359141	GAB1_3491	-	GTGACCTATGCACCAGACGTATTGTTAATGACAGAATAAACAAGGTGGAGACTAAGAATAAGATCGGAAGAGCGGTTCAG
chr4	144360905	144360944	GAB1_3492	-	GTGACCTATGCACCAGACGTGAACAAACTATCAACATTTATTCCCATCTTTGCCAGCTCTAGATCGGAAGAGCGGTTCAG
chr4	144361182	144361221	GAB1_3493	-	GTGACCTATGCACCAGACGTTATATATTTCTTTTAATAAACAAAAACTCTTGTCACACATAGATCGGAAGAGCGGTTCAG
chr4	144378783	144378822	GAB1_3494	-	GTGACCTATGCACCAGACGTAAAAGAAGACTCTCTTAATATAATGTTATTTATTAATTGGAGATCGGAAGAGCGGTTCAG
chr4	144380488	144380527	GAB1_3495	-	GTGACCTATGCACCAGACGTAAAGAGAAAAAGAGATTTTTAGTATACAGAACTTTGGAAAAGATCGGAAGAGCGGTTCAG
chr4	144381467	144381506	GAB1_3496	-	GTGACCTATGCACCAGACGTAAATTATCATCACAAACATAAGCCTTGACAAAAATATCTAAGATCGGAAGAGCGGTTCAG
chr4	144387206	144387245	GAB1_3497	-	GTGACCTATGCACCAGACGTTAGACAACAAAATCAACGGTCAGACATTCACCAGACATACAGATCGGAAGAGCGGTTCAG
chr4	144390134	144390173	GAB1_3498	-	GTGACCTATGCACCAGACGTAAGAAAAAACAAAAAGTCCAACATATAAAGGAGTGTTCCTAGATCGGAAGAGCGGTTCAG
chr4	144359403	144359442	GAB1_3499	-	GTGACCTATGCACCAGACGTCTCGATGTCCCAGATGGGGTATTAAAAACATAGAGTTCTCAGATCGGAAGAGCGGTTCAG
chr7	81331847	81331886	HGF_3500	-	GTGACCTATGCACCAGACGTTGTGTCTGAAGCACCCACCAATACAACTGTCTTTTACATGAGATCGGAAGAGCGGTTCAG
chr7	81334656	81334695	HGF_3501	-	GTGACCTATGCACCAGACGTAGTTCTTTAATAAGGAGTATGTGATTCATAGCTTAGTGTTAGATCGGAAGAGCGGTTCAG
chr7	81335553	81335592	HGF_3502	-	GTGACCTATGCACCAGACGTTTAGAAGATTTTGTATTTTTCACCTGGACAAGAATTGTTGAGATCGGAAGAGCGGTTCAG
chr7	81336556	81336595	HGF_3503	-	GTGACCTATGCACCAGACGTTTTAAAACTAGTATTATTTTGAGCCTTTAAAATGTGTATGAGATCGGAAGAGCGGTTCAG
chr7	81339413	81339452	HGF_3504	-	GTGACCTATGCACCAGACGTATAGATGCAAGTCATGCATATCCAGAATATGTACAAGAGAAGATCGGAAGAGCGGTTCAG
chr7	81340747	81340786	HGF_3505	-	GTGACCTATGCACCAGACGTTTTCACAATATAAAGTATATTCTGAGTCTCTCTCTGTGTGAGATCGGAAGAGCGGTTCAG
chr7	81346498	81346537	HGF_3506	-	GTGACCTATGCACCAGACGTTTAGGGATTGGTGTCTTGTGAAATATTTTAAATGTACTACAGATCGGAAGAGCGGTTCAG
chr7	81350011	81350050	HGF_3507	-	GTGACCTATGCACCAGACGTTTCTTCCTTTCAATATATAGAATGTAGTGATACCAACAGAAGATCGGAAGAGCGGTTCAG
chr7	81355156	81355195	HGF_3508	-	GTGACCTATGCACCAGACGTACATTCTGCAGGGTGGGCATGATTAAATTCAGGGGAAATGAGATCGGAAGAGCGGTTCAG
chr7	81358871	81358910	HGF_3509	-	GTGACCTATGCACCAGACGTTAGGCAAATGTTATACATTTCAGTAGGCCCTGGGGAAAATAGATCGGAAGAGCGGTTCAG
chr7	81372208	81372247	HGF_3510	-	GTGACCTATGCACCAGACGTCAACTGATGGTGAACTTCTTCTGGTGAGTGACAGAGGCTGAGATCGGAAGAGCGGTTCAG
chr7	81372619	81372658	HGF_3511	-	GTGACCTATGCACCAGACGTGTCAAATTTATTGCTTCCTTTTCCTCTCACAGACTGGATCAGATCGGAAGAGCGGTTCAG
chr7	81374266	81374305	HGF_3512	-	GTGACCTATGCACCAGACGTAATGAATCATGCTTTCAGTGATTCTTTTACAAACTATTATAGATCGGAAGAGCGGTTCAG
chr7	81381378	81381417	HGF_3513	-	GTGACCTATGCACCAGACGTCATGTGGGCCATTCTATTCCCCCTATGTGTAGAACTGTAAAGATCGGAAGAGCGGTTCAG
chr7	81381386	81381425	HGF_3514	-	GTGACCTATGCACCAGACGTCTGAATGCCATGTGGGCCATTCTATTCCCCCTATGTGTAGAGATCGGAAGAGCGGTTCAG
chr7	81386455	81386494	HGF_3515	-	GTGACCTATGCACCAGACGTTATGAAGAAAAGAGATGAAGCCTCTGTCTTTTTTACATGTAGATCGGAAGAGCGGTTCAG
chr7	81387958	81387997	HGF_3516	-	GTGACCTATGCACCAGACGTTCTCCCTAAATATTGCATAATGAAATAAAGTATAATGAAAAGATCGGAAGAGCGGTTCAG
chr7	81391973	81392012	HGF_3517	-	GTGACCTATGCACCAGACGTTCATTTTCTTCTTAGAATAATTTTCCAAATATAGCATGCAAGATCGGAAGAGCGGTTCAG
chr7	81399150	81399189	HGF_3518	-	GTGACCTATGCACCAGACGTTTCTTCTTCTTCATTATTAGTATTAGTATTTAACTCTCCTAGATCGGAAGAGCGGTTCAG
chr12	68551643	68551682	IFNG_3519	-	GTGACCTATGCACCAGACGTTTAAATTCTTTCTTTGGTTTCATTGCCGAGGGTCTTGCAAAGATCGGAAGAGCGGTTCAG
chr12	68551921	68551960	IFNG_3520	-	GTGACCTATGCACCAGACGTTATTCCCATTTGGCTAATTTTCCTGTTGCTTGCTTTCTGAAGATCGGAAGAGCGGTTCAG
chr12	68553232	68553271	IFNG_3521	-	GTGACCTATGCACCAGACGTCTTTTTAATAGTACTTGTTTGTGGTTGAAAATGACTGAATAGATCGGAAGAGCGGTTCAG
chr6	160412166	160412205	IGF2R_3522	-	GTGACCTATGCACCAGACGTAGAAAAACAACTTGTCAATGTCACTGATTTATCAAAAATTAGATCGGAAGAGCGGTTCAG
chr6	160429992	160430031	IGF2R_3523	-	GTGACCTATGCACCAGACGTAGAAAAGAGAGTGAACAGGCTATAAAACATACATAACCAAAGATCGGAAGAGCGGTTCAG
chr6	160431669	160431708	IGF2R_3524	-	GTGACCTATGCACCAGACGTAAAATAGTAATTATAATGTTACCATACCACACATTGTAAAAGATCGGAAGAGCGGTTCAG
chr6	160445554	160445593	IGF2R_3525	-	GTGACCTATGCACCAGACGTGGAAGAAAAAAGTGAGTCTTCAGTATACATCTTGGTCAATAGATCGGAAGAGCGGTTCAG
chr6	160448167	160448206	IGF2R_3526	-	GTGACCTATGCACCAGACGTTGTATTACATTAAATCAGATTAGGTGTTAGGAGTGATAATAGATCGGAAGAGCGGTTCAG
chr6	160450532	160450571	IGF2R_3527	-	GTGACCTATGCACCAGACGTCACATTGAGAAAAGAGTATTACAAAAGTATAAAGTACATCAGATCGGAAGAGCGGTTCAG
chr6	160453533	160453572	IGF2R_3528	-	GTGACCTATGCACCAGACGTCAATGTGAAAGAAGCAAAATAAAAAATGTTTCATGCAGCTAGATCGGAAGAGCGGTTCAG
chr6	160453924	160453963	IGF2R_3529	-	GTGACCTATGCACCAGACGTGGAAATTAACAAGAAGAGGCTTGTTTTATATGAATAGGTAAGATCGGAAGAGCGGTTCAG
chr6	160455401	160455440	IGF2R_3530	-	GTGACCTATGCACCAGACGTGTGAATACACAGACAAATGTGTTTGGGAGAACCAAGAAAAAGATCGGAAGAGCGGTTCAG
chr6	160461542	160461581	IGF2R_3531	-	GTGACCTATGCACCAGACGTCAAGAGGAGAAATTTAAACTCCATACGTGACCAAAATTGAAGATCGGAAGAGCGGTTCAG
chr6	160464130	160464169	IGF2R_3532	-	GTGACCTATGCACCAGACGTACAAAAGTGTATTTTAGCCAAAAGCAATGCTGATTTCTCTAGATCGGAAGAGCGGTTCAG
chr6	160465496	160465535	IGF2R_3533	-	GTGACCTATGCACCAGACGTAAGGGGGAGAAAACAGAAGATGTGGTTAAAAATGATCATCAGATCGGAAGAGCGGTTCAG
chr6	160466727	160466766	IGF2R_3534	-	GTGACCTATGCACCAGACGTGGAAAAGAGATGGGGATCACTAATCCGTTCATTCCTAAAAAGATCGGAAGAGCGGTTCAG
chr6	160467480	160467519	IGF2R_3535	-	GTGACCTATGCACCAGACGTATAAAAACAATAAAAGTATGGAAGGTCAGTCCGACAGTTAAGATCGGAAGAGCGGTTCAG
chr6	160468141	160468180	IGF2R_3536	-	GTGACCTATGCACCAGACGTCACACGTTTCTCTCAGCAAAGACCTGAGGGGCAGAAGCACAGATCGGAAGAGCGGTTCAG
chr6	160468774	160468813	IGF2R_3537	-	GTGACCTATGCACCAGACGTGCAGATGCGCGGAGGGATGGCAAAAAGAGAAAGACACGTGAGATCGGAAGAGCGGTTCAG
chr6	160469357	160469396	IGF2R_3538	-	GTGACCTATGCACCAGACGTAAAGCAAAATGTATATGCTTTTAAAGAGCTTACACATTTCAGATCGGAAGAGCGGTTCAG

chr6	160477406	160477445	IGF2R_3539	-	GTGACCTATGCACCAGACGTAAATCCAGGGTAAAAGTCAATACAGTAACATGGAACTTGAAGATCGGAAGAGCGGTTCAG
chr6	160479005	160479044	IGF2R_3540	-	GTGACCTATGCACCAGACGTCAAAATGGGGAAAAAGGGGCGCATTCAAACCAATTCCACAAGATCGGAAGAGCGGTTCAG
chr6	160479888	160479927	IGF2R_3541	-	GTGACCTATGCACCAGACGTGACGGTAAGAGCCATACAAACAAATTTATGCCTCGTATCTAGATCGGAAGAGCGGTTCAG
chr6	160481529	160481568	IGF2R_3542	-	GTGACCTATGCACCAGACGTAGAAGGCCCAGATTTTAAGAGACAGAACAGTATTCATGGCAGATCGGAAGAGCGGTTCAG
chr6	160482485	160482524	IGF2R_3543	-	GTGACCTATGCACCAGACGTACAAAAAACCACGCTGGAGAACTCTGCCTCCTTGTGAGCAAGATCGGAAGAGCGGTTCAG
chr6	160482735	160482774	IGF2R_3544	-	GTGACCTATGCACCAGACGTAGAATAAGTGGTTTGGGCATGAGGAAGGCGATGACCTTGAAGATCGGAAGAGCGGTTCAG
chr6	160483514	160483553	IGF2R_3545	-	GTGACCTATGCACCAGACGTAATCAGCAGCCTGATTTGTTTCCTGTTTATTTTAAAAATTAGATCGGAAGAGCGGTTCAG
chr6	160484397	160484436	IGF2R_3546	-	GTGACCTATGCACCAGACGTATGGAAGAAGTGAAGGGCAACTGCAACCACACACGCATTCAGATCGGAAGAGCGGTTCAG
chr6	160485383	160485422	IGF2R_3547	-	GTGACCTATGCACCAGACGTGGAGAACATTAAACAAGGTTTGGTTCGGGTCCCTAGGCTGAGATCGGAAGAGCGGTTCAG
chr6	160485786	160485825	IGF2R_3548	-	GTGACCTATGCACCAGACGTTAAGAGGCACATATATAAAAGTGAGAATGCAAAACTTTAGAGATCGGAAGAGCGGTTCAG
chr6	160489231	160489270	IGF2R_3549	-	GTGACCTATGCACCAGACGTGAAAACCCGCAGTTAGTTAGGCTTGGTCGTATTCTCTTTAAGATCGGAAGAGCGGTTCAG
chr6	160490850	160490889	IGF2R_3550	-	GTGACCTATGCACCAGACGTAGACACAAGAAAGAGTTGCCTTTAGTGACTCCCCAGGCTAAGATCGGAAGAGCGGTTCAG
chr6	160492892	160492931	IGF2R_3551	-	GTGACCTATGCACCAGACGTGCACAGACAGGTCCTGAAGGGATCACGCAAAAACTCCATGAGATCGGAAGAGCGGTTCAG
chr6	160493747	160493786	IGF2R_3552	-	GTGACCTATGCACCAGACGTGAAGAAGATGGGGACACAGTGACTCCAGGGAGCTGAGACTAGATCGGAAGAGCGGTTCAG
chr6	160494195	160494234	IGF2R_3553	-	GTGACCTATGCACCAGACGTAGGGAAAGGCGGAGAAAACACAATCACAGACTCGATGGCCAGATCGGAAGAGCGGTTCAG
chr6	160494739	160494778	IGF2R_3554	-	GTGACCTATGCACCAGACGTGGAAAGACTGCTTTGAGTCTACAAAAAAATTTTCCTAATCAGATCGGAAGAGCGGTTCAG
chr6	160496829	160496868	IGF2R_3555	-	GTGACCTATGCACCAGACGTAGCGAGGGCAAACAGTATTTCAGGAAATTAACCATTCCCAAGATCGGAAGAGCGGTTCAG
chr6	160499183	160499222	IGF2R_3556	-	GTGACCTATGCACCAGACGTGAAGAGCACGGGTCTTAAAAACCCCATGGCATAGGGATAGAGATCGGAAGAGCGGTTCAG
chr6	160500562	160500601	IGF2R_3557	-	GTGACCTATGCACCAGACGTACCATGCGTGGCCGTCAGCAGAGTGGCAGCACCCAGGTCTAGATCGGAAGAGCGGTTCAG
chr6	160501111	160501150	IGF2R_3558	-	GTGACCTATGCACCAGACGTGAAGAACATTATCAGTGTGGCAGCTGTGCCTCGCCAGGCAAGATCGGAAGAGCGGTTCAG
chr6	160505977	160506016	IGF2R_3559	-	GTGACCTATGCACCAGACGTACACAAAGGGGCAGGTAAAAGGCATGCAAGTGACGTCTCTAGATCGGAAGAGCGGTTCAG
chr6	160509015	160509054	IGF2R_3560	-	GTGACCTATGCACCAGACGTCAAATGATTGAACTGACATTATTTCTAGTGCATTATAAAAAGATCGGAAGAGCGGTTCAG
chr6	160510089	160510128	IGF2R_3561	-	GTGACCTATGCACCAGACGTGGAAGCACAGGCTACAGTCACTTCCCCAGCCAGACATAAGAGATCGGAAGAGCGGTTCAG
chr6	160510898	160510937	IGF2R_3562	-	GTGACCTATGCACCAGACGTAGAAAAGATCACAGTGACATGGAAGTCCTTCAAGAAGGCAAGATCGGAAGAGCGGTTCAG
chr6	160517421	160517460	IGF2R_3563	-	GTGACCTATGCACCAGACGTGGAAGGGCACACATGGCATGTCACCATCATTTTTCACGAGAGATCGGAAGAGCGGTTCAG
chr6	160523501	160523540	IGF2R_3564	-	GTGACCTATGCACCAGACGTGTCACAGAAAAGGAGCCGTGTCACAGGGTGGTCCTGCTGCAGATCGGAAGAGCGGTTCAG
chr6	160524728	160524767	IGF2R_3565	-	GTGACCTATGCACCAGACGTAAAGGAGACAATAATTACTCCAGTGTAGAGAGGGCATGGGAGATCGGAAGAGCGGTTCAG
chr6	160525656	160525695	IGF2R_3566	-	GTGACCTATGCACCAGACGTTCAACAGCAGAGACCACGTGAGCCCCCTAAGAGACCCCATAGATCGGAAGAGCGGTTCAG
chr19	7117017	7117056	INSR_3567	-	GTGACCTATGCACCAGACGTCGTGGCGGGGGCGGGCAGGGGTTCCCATTTTCGCTTTCCTAGATCGGAAGAGCGGTTCAG
chr19	7119410	7119449	INSR_3568	-	GTGACCTATGCACCAGACGTAAAGGGTTTAAGGTGTGTGAGGTGTTCGTTGAAAGGGTATAGATCGGAAGAGCGGTTCAG
chr19	7120581	7120620	INSR_3569	-	GTGACCTATGCACCAGACGTTGTGGATGGGTGGATGGACGCTGGGCTTGAATTCCAGGTGAGATCGGAAGAGCGGTTCAG
chr19	7122575	7122614	INSR_3570	-	GTGACCTATGCACCAGACGTCTTTCTGCTTTGAAAACATAACGACCCAGGCCAGGTTTGAAGATCGGAAGAGCGGTTCAG
chr19	7122840	7122879	INSR_3571	-	GTGACCTATGCACCAGACGTTCGGGGGACCCAGCGGGGTACTCGGTGGAGCACCCGCTCCAGATCGGAAGAGCGGTTCAG
chr19	7125244	7125283	INSR_3572	-	GTGACCTATGCACCAGACGTTGGGGGTGGGACATGGGCTGGCTTTCCTGACCCTTCCCTTAGATCGGAAGAGCGGTTCAG
chr19	7126545	7126584	INSR_3573	-	GTGACCTATGCACCAGACGTTCCCTTCCCTGTGGGTGGCCAGAACCCTACTCATCAGCTTAGATCGGAAGAGCGGTTCAG
chr19	7132119	7132158	INSR_3574	-	GTGACCTATGCACCAGACGTATGGCAGCCTCAGCTGACTGGGGCTGTGCTTAGCACTGAGAGATCGGAAGAGCGGTTCAG
chr19	7141638	7141677	INSR_3575	-	GTGACCTATGCACCAGACGTTGACTCTTGGGCATGCCCCTGCACACTTCAGCATGCCCCTAGATCGGAAGAGCGGTTCAG
chr19	7142777	7142816	INSR_3576	-	GTGACCTATGCACCAGACGTTGCTCCGGGGTCCGAGTGTCATGGGTGGGACATCAAGGCTAGATCGGAAGAGCGGTTCAG
chr19	7150458	7150497	INSR_3577	-	GTGACCTATGCACCAGACGTCCTGTGCGACCCCTGGTGCCTGCTCCGCGCAGGGCCGGCGAGATCGGAAGAGCGGTTCAG
chr19	7152687	7152726	INSR_3578	-	GTGACCTATGCACCAGACGTGGCGCTGGGCTCTCTTAGTGGGTGCCAATTGGCTTGGTGTAGATCGGAAGAGCGGTTCAG
chr19	7162993	7163032	INSR_3579	-	GTGACCTATGCACCAGACGTGCAGCTGTGCTAGGATCGGTGGGGTTTGCACACGTGTGTCAGATCGGAAGAGCGGTTCAG
chr19	7166115	7166154	INSR_3580	-	GTGACCTATGCACCAGACGTCTTGGGAATGTGAATTCGTATGTGAATCAGACCTCTTGCTAGATCGGAAGAGCGGTTCAG
chr19	7167929	7167968	INSR_3581	-	GTGACCTATGCACCAGACGTGAGTTAGAGAGACGCTGAGGAGGCGAGGGCTGGCTGGCTCAGATCGGAAGAGCGGTTCAG
chr19	7172251	7172290	INSR_3582	-	GTGACCTATGCACCAGACGTCTGATTGTGTGTATGGCCTGAGTGCTAACTAGGAAGTTCGAGATCGGAAGAGCGGTTCAG
chr19	7174544	7174583	INSR_3583	-	GTGACCTATGCACCAGACGTCTGTGTGGGCGTCGGGGGTGCCTGTTGGGCTCCATGTCCCAGATCGGAAGAGCGGTTCAG
chr19	7184277	7184316	INSR_3584	-	GTGACCTATGCACCAGACGTGATGTGGGTCTGGGGGGCAGCCGAGAGGAGAAGGAACGTGAGATCGGAAGAGCGGTTCAG
chr19	7267306	7267345	INSR_3585	-	GTGACCTATGCACCAGACGTGATACAGGGTTCTAAGCAGTGTCTCGTGCCTTGTTCTAGAAGATCGGAAGAGCGGTTCAG
chr19	7293753	7293792	INSR_3586	-	GTGACCTATGCACCAGACGTGGGCGCGGGCGTGGGCGGGGAGCGCCGCGATGGGGAGAGGAGATCGGAAGAGCGGTTCAG
chr19	7267582	7267621	INSR_3587	-	GTGACCTATGCACCAGACGTGGAACTCGGCCTCTACAACCTGATGAACATCACCCGGGGTAGATCGGAAGAGCGGTTCAG
chr10	3821681	3821720	KLF6_3588	-	GTGACCTATGCACCAGACGTAGGTGGATCCTGTAGGCTAAAAGGCTTCCAGGCTGAGAGCAGATCGGAAGAGCGGTTCAG
chr10	3822248	3822287	KLF6_3589	-	GTGACCTATGCACCAGACGTGAGGACAATGCTGGGCAAGGAGCGTGGGGCCTTGGGAATGAGATCGGAAGAGCGGTTCAG
chr10	3823783	3823822	KLF6_3590	-	GTGACCTATGCACCAGACGTACGCGGGCCCCGGAGGGCGGCCGCTGGTGGGCGCCACTGCAGATCGGAAGAGCGGTTCAG
chr10	3824070	3824109	KLF6_3591	-	GTGACCTATGCACCAGACGTTTGGTCAGCTCGGGAAAATTGAGCTCCTCTGTCACCTCCAAGATCGGAAGAGCGGTTCAG
chr1	43803470	43803509	MPL_3592	-	GTGACCTATGCACCAGACGTACTGTGTGCCTGCCTTAGCCCATCCTCCCTTCAGGAAGCTAGATCGGAAGAGCGGTTCAG
chr1	43803720	43803759	MPL_3593	-	GTGACCTATGCACCAGACGTGCTGGTGAGTTGGCCCTGGGTCCTCCCAGGCATGTTTATGAGATCGGAAGAGCGGTTCAG
chr1	43804163	43804202	MPL_3594	-	GTGACCTATGCACCAGACGTAGAAGAGGTCCCTCCTACACAGCCACCATGCGGAGCCCTGAGATCGGAAGAGCGGTTCAG
chr1	43804892	43804931	MPL_3595	-	GTGACCTATGCACCAGACGTGACAGGGCACATCAGAACTCTGAGTACCACAGTCTATGGCAGATCGGAAGAGCGGTTCAG
chr1	43805585	43805624	MPL_3596	-	GTGACCTATGCACCAGACGTAAATCCCAGCTTCACAATCTAGGTCTGCCTGTCAGCTGAGAGATCGGAAGAGCGGTTCAG

chr1	43806008	43806047	MPL_3597	-	GTGACCTATGCACCAGACGTAGAAGTAAGTCCCATCAGGGCCCGTGTGCCCCTACTGTATAGATCGGAAGAGCGGTTCAG
chr1	43812066	43812105	MPL_3598	-	GTGACCTATGCACCAGACGTGCCCCACAGAGTCATTGAATCAGGCCTGCCCCAGAGACTAAGATCGGAAGAGCGGTTCAG
chr1	43812413	43812452	MPL_3599	-	GTGACCTATGCACCAGACGTGTCAGCAGGGAGCAGCTTAAGTCCTTCTGTGCACAAGGCAAGATCGGAAGAGCGGTTCAG
chr1	43814464	43814503	MPL_3600	-	GTGACCTATGCACCAGACGTAAGCGTGCGGTGGCCCGGCGTCGGGGCTTCGATAGCCCAGAGATCGGAAGAGCGGTTCAG
chr1	43814884	43814923	MPL_3601	-	GTGACCTATGCACCAGACGTAAAAGGGTCAGACTTCGGCCCACCCGGGCCGGAGCCCCGCAGATCGGAAGAGCGGTTCAG
chr1	43817837	43817876	MPL_3602	-	GTGACCTATGCACCAGACGTAGGAAGAGAAGCAGACTGAGCCATGGCAGTGGATTGGCAGAGATCGGAAGAGCGGTTCAG
chr1	43818139	43818178	MPL_3603	-	GTGACCTATGCACCAGACGTTGAGGAGAGGCGCTGGATTAAAGCAGATCCTGTGGGAGGAAGATCGGAAGAGCGGTTCAG
chr1	45794928	45794967	MUTYH_3604	-	GTGACCTATGCACCAGACGTAGCCCCCATTCCCTGAGAATCCTGTTGTTAGTAAAGTGCTAGATCGGAAGAGCGGTTCAG
chr1	45796138	45796177	MUTYH_3605	-	GTGACCTATGCACCAGACGTTAGGCCTCTCCCAACCGTGTCTCCCCAGGCCTGAGTCCATAGATCGGAAGAGCGGTTCAG
chr1	45796804	45796843	MUTYH_3606	-	GTGACCTATGCACCAGACGTTGTTGTCTTTGTTGTACTTCCTTGTGTTTCCTACATGTTCAGATCGGAAGAGCGGTTCAG
chr1	45797042	45797081	MUTYH_3607	-	GTGACCTATGCACCAGACGTAGCGGAATAGCCAAGGATGTTGGCTTTTGAGGCTATATCCAGATCGGAAGAGCGGTTCAG
chr1	45797283	45797322	MUTYH_3608	-	GTGACCTATGCACCAGACGTACTGGGCGTGGAGGGCAGTGGCATGAGTAACAAGAGAGAAAGATCGGAAGAGCGGTTCAG
chr1	45797645	45797684	MUTYH_3609	-	GTGACCTATGCACCAGACGTAACCTAGCCCCCACCCCAACCCTTCCTGGCCCAGTCAGAAAGATCGGAAGAGCGGTTCAG
chr1	45797788	45797827	MUTYH_3610	-	GTGACCTATGCACCAGACGTTGGGGAAGGGGCAGTGAGAAGTCCTAAGGAGTGACTCTGCAGATCGGAAGAGCGGTTCAG
chr1	45798013	45798052	MUTYH_3611	-	GTGACCTATGCACCAGACGTGGGGTAACAAGGGTGCTTCAGGGGTGTCTGCAAAGGAGCTAGATCGGAAGAGCGGTTCAG
chr1	45798196	45798235	MUTYH_3612	-	GTGACCTATGCACCAGACGTAGCCCACCCCCACTTTGTGCGTGCCCAGCCTCCTTCCTCCAGATCGGAAGAGCGGTTCAG
chr1	45798385	45798424	MUTYH_3613	-	GTGACCTATGCACCAGACGTGGCAGGAGGGTAGGAACCCAGGAGTCTTGGGTGTCTTATAAGATCGGAAGAGCGGTTCAG
chr1	45798540	45798579	MUTYH_3614	-	GTGACCTATGCACCAGACGTCCCTAGGGTAGGGGAAATAGGAACAATAGAGGGACTGACGAGATCGGAAGAGCGGTTCAG
chr1	45798719	45798758	MUTYH_3615	-	GTGACCTATGCACCAGACGTGGGAGGAAGGGAAGGGTCATGGGTCAGACCCCAGATGAGAAGATCGGAAGAGCGGTTCAG
chr1	45798907	45798946	MUTYH_3616	-	GTGACCTATGCACCAGACGTCTCCTGAGAGCAGGGCCACTTTGCCTCGAGGCCCTTGGGTAGATCGGAAGAGCGGTTCAG
chr1	45799035	45799074	MUTYH_3617	-	GTGACCTATGCACCAGACGTGAGGAGCAGGGACAGTGGGTGGGAGGCAGGCACCCAGCCCAGATCGGAAGAGCGGTTCAG
chr1	45800013	45800052	MUTYH_3618	-	GTGACCTATGCACCAGACGTAGGTTGTGGCCCAAGGCTCATTGGCCATGAAAGGCAGATTAGATCGGAAGAGCGGTTCAG
chr1	45805841	45805880	MUTYH_3619	-	GTGACCTATGCACCAGACGTCTTGCGGTCCGTCTCCTGGCGCGGTTCAGGCAGTCGGGGAAGATCGGAAGAGCGGTTCAG
chr1	40362994	40363033	MYCL1_3620	-	GTGACCTATGCACCAGACGTAGCCTGACAGTTCTGTCTTACGAAGACACAAGTTTATTTTAGATCGGAAGAGCGGTTCAG
chr1	40366436	40366475	MYCL1_3621	-	GTGACCTATGCACCAGACGTGTAGTCCCCAACCGTGTCTGTCTGGCACGTGGGTGTGTTGAGATCGGAAGAGCGGTTCAG
chr1	40366561	40366600	MYCL1_3622	-	GTGACCTATGCACCAGACGTCCCCGAGCCATCCAAGAGGGGGCCACCCCATGGGTGGCCAAGATCGGAAGAGCGGTTCAG
chr1	40363293	40363332	MYCL1_3623	-	GTGACCTATGCACCAGACGTCCCCAAACCTGTCAGTTCTGATACTGAGGATGTGACCAAGAGATCGGAAGAGCGGTTCAG
chr1	40366746	40366785	MYCL1_3624	-	GTGACCTATGCACCAGACGTGCTGTGAGCGACCGGCTCGCTCCTGGCGCGCCCCGGGGGAAGATCGGAAGAGCGGTTCAG
chr5	142658879	142658918	NR3C1_3625	-	GTGACCTATGCACCAGACGTAACAATCTTGGCGCTCAAAAAATAGAACTCAATGAGAAAAAGATCGGAAGAGCGGTTCAG
chr5	142661404	142661443	NR3C1_3626	-	GTGACCTATGCACCAGACGTAAGAATGGTTGCCTTAAAGAAAGTCGAATTAATAGCTTTTAGATCGGAAGAGCGGTTCAG
chr5	142662083	142662122	NR3C1_3627	-	GTGACCTATGCACCAGACGTAACATAAAGCCAAATATAAGAGTTTTCTGGGACAAAGTATAGATCGGAAGAGCGGTTCAG
chr5	142674975	142675014	NR3C1_3628	-	GTGACCTATGCACCAGACGTCACCTTTTCACCTTATGTCAAAAGCATGAAATATGAAGGCAGATCGGAAGAGCGGTTCAG
chr5	142678183	142678222	NR3C1_3629	-	GTGACCTATGCACCAGACGTTGTGTGTCATTTTCCCTGTATTCATAGGGTATCTTTAACCAGATCGGAAGAGCGGTTCAG
chr5	142680000	142680039	NR3C1_3630	-	GTGACCTATGCACCAGACGTAAACATAAAAGAGCAACTATATAAACCTTTGTGTTTTCTTAGATCGGAAGAGCGGTTCAG
chr5	142689612	142689651	NR3C1_3631	-	GTGACCTATGCACCAGACGTTATCTGAAAGCAATTGTTTGTCTCTGTAGCTTATAAAAATAGATCGGAAGAGCGGTTCAG
chr5	142693514	142693553	NR3C1_3632	-	GTGACCTATGCACCAGACGTTGAAGAGTTTATTTTTCCTCTACTTGGTTTTCATTTCTCAAGATCGGAAGAGCGGTTCAG
chr5	142693517	142693556	NR3C1_3633	-	GTGACCTATGCACCAGACGTTTTTGAAGAGTTTATTTTTCCTCTACTTGGTTTTCATTTCAGATCGGAAGAGCGGTTCAG
chr5	142779171	142779210	NR3C1_3634	-	GTGACCTATGCACCAGACGTTGTTTTTCTGTTTCTTAAGAATGGTACATTTAAGGTAGATAGATCGGAAGAGCGGTTCAG
chr5	142779565	142779604	NR3C1_3635	-	GTGACCTATGCACCAGACGTCCCCAGTAATGTAACACTGCCCCAAGTGAAAACAGAAAAAAGATCGGAAGAGCGGTTCAG
chr5	142779959	142779998	NR3C1_3636	-	GTGACCTATGCACCAGACGTCAGAGAACCCCAAGAGTTCAGCATCCACTGCTGTGTCTGCAGATCGGAAGAGCGGTTCAG
chr18	39535207	39535246	PIK3C3_3637	-	GTGACCTATGCACCAGACGTGCAAAGGTACCACCTACAGCGGGAACTTAGGTACAGGAAAAGATCGGAAGAGCGGTTCAG
chr18	39537485	39537524	PIK3C3_3638	-	GTGACCTATGCACCAGACGTAAGACCAACAATGTTTCAGACATGAATTTTTTAAGCATGTAGATCGGAAGAGCGGTTCAG
chr18	39542404	39542443	PIK3C3_3639	-	GTGACCTATGCACCAGACGTGAAGTTAACATAAATCAGAAATACATATATATATATCTTTAGATCGGAAGAGCGGTTCAG
chr18	39550241	39550280	PIK3C3_3640	-	GTGACCTATGCACCAGACGTAGAGAATGTTCAGGGTAGAAGTAAATTAATACAGTTCATTAGATCGGAAGAGCGGTTCAG
chr18	39567726	39567765	PIK3C3_3641	-	GTGACCTATGCACCAGACGTAATACAATGACGAAAATTTTAATATACATCTAGTAGAAAGAGATCGGAAGAGCGGTTCAG
chr18	39570373	39570412	PIK3C3_3642	-	GTGACCTATGCACCAGACGTAAATGATTTTCATGAAAAATGATTATTTTCAACATTCTCTAGATCGGAAGAGCGGTTCAG
chr18	39575804	39575843	PIK3C3_3643	-	GTGACCTATGCACCAGACGTTTTTAAAATATTGACAATGTAAACTTCACCAAAAGGAAATAGATCGGAAGAGCGGTTCAG
chr18	39576552	39576591	PIK3C3_3644	-	GTGACCTATGCACCAGACGTAAAAGAAAAAGAACTAATTTTGTCAACAATACATGTCCTAAGATCGGAAGAGCGGTTCAG
chr18	39584270	39584309	PIK3C3_3645	-	GTGACCTATGCACCAGACGTAAAATATTTAAAAATTAGAAACAGCCTATTTCCTGGGATAAGATCGGAAGAGCGGTTCAG
chr18	39593356	39593395	PIK3C3_3646	-	GTGACCTATGCACCAGACGTAAAAAAAGTAAAGTAATATTAGGAAAAGAATGCAAAATTAAGATCGGAAGAGCGGTTCAG
chr18	39595390	39595429	PIK3C3_3647	-	GTGACCTATGCACCAGACGTAATAAAAGAGATCACTGAGATGTAAAATACTCTGTCCATAAGATCGGAAGAGCGGTTCAG
chr18	39600552	39600591	PIK3C3_3648	-	GTGACCTATGCACCAGACGTTAAAAGAAATGTATTATATATTATCATCTACTAGTAATGGAGATCGGAAGAGCGGTTCAG
chr18	39607357	39607396	PIK3C3_3649	-	GTGACCTATGCACCAGACGTGTTTGAGCCATTCATGTGATGTGAAATGAAACTTAGATTCAGATCGGAAGAGCGGTTCAG
chr18	39609239	39609278	PIK3C3_3650	-	GTGACCTATGCACCAGACGTCAAAGTGAGAAAAAATTAGTTCTATGTTGCGTAATGATCTAGATCGGAAGAGCGGTTCAG
chr18	39613740	39613779	PIK3C3_3651	-	GTGACCTATGCACCAGACGTTCAGAAAGGATTAATGAGGTTAAAATAGAAGAGTAGTTTAAGATCGGAAGAGCGGTTCAG
chr18	39617606	39617645	PIK3C3_3652	-	GTGACCTATGCACCAGACGTAAAATATTGATTTCAAATTTGGCCATGAATTAATGCATAAAGATCGGAAGAGCGGTTCAG
chr18	39618695	39618734	PIK3C3_3653	-	GTGACCTATGCACCAGACGTAAAGGTAAAATATATTAACCAAATGTAAAGACTGTTAAAAAGATCGGAAGAGCGGTTCAG
chr18	39620591	39620630	PIK3C3_3654	-	GTGACCTATGCACCAGACGTATGTATGCACTGCATTAAGCATAGCTACTGGTTAAGAAATAGATCGGAAGAGCGGTTCAG

chr18	39623647	39623686	PIK3C3_3655	-	GTGACCTATGCACCAGACGTATTATTTACATGTTTTAGAATTAAGTACAAACAAACAAACAGATCGGAAGAGCGGTTCAG
chr18	39629445	39629484	PIK3C3_3656	-	GTGACCTATGCACCAGACGTAGTTAAAAAAAATATGTGAAAACAAATGCAAACCAGGTTAAGATCGGAAGAGCGGTTCAG
chr18	39637797	39637836	PIK3C3_3657	-	GTGACCTATGCACCAGACGTACAAGAAACTCATTTGTTTCCAGAATTATCTTAAAGAACTAGATCGGAAGAGCGGTTCAG
chr18	39644654	39644693	PIK3C3_3658	-	GTGACCTATGCACCAGACGTGCAGAAAAGAAAAAAATAGCAACGATTAAGAATTCTGCATAGATCGGAAGAGCGGTTCAG
chr18	39647302	39647341	PIK3C3_3659	-	GTGACCTATGCACCAGACGTACACTCTTAGTCTTTACAACGAAGAAAAATAGGGCACATTAGATCGGAAGAGCGGTTCAG
chr18	39661037	39661076	PIK3C3_3660	-	GTGACCTATGCACCAGACGTTAAAAAGAAATAAACAGAAAATAATTTACTTAATTATTCAAGATCGGAAGAGCGGTTCAG
chr1	9770464	9770503	PIK3CD_3661	-	GTGACCTATGCACCAGACGTTACTTCCCAGATGACAGTTGTCCTAAAAATGAAGAAATGGAGATCGGAAGAGCGGTTCAG
chr1	9775549	9775588	PIK3CD_3662	-	GTGACCTATGCACCAGACGTAGTCACCGGTCAGCCCCTCCACCCAAGGCAGCCACTGGGAAGATCGGAAGAGCGGTTCAG
chr1	9775857	9775896	PIK3CD_3663	-	GTGACCTATGCACCAGACGTGGGAGGGCTGGGTCAGCGGGTGGGGCAGGCAGGGCCAGCCAGATCGGAAGAGCGGTTCAG
chr1	9776448	9776487	PIK3CD_3664	-	GTGACCTATGCACCAGACGTGAGGGAGGTCAGTCCTCTGCCCTCGAGGCCCCCGGGGTTAGATCGGAAGAGCGGTTCAG
chr1	9776967	9777006	PIK3CD_3665	-	GTGACCTATGCACCAGACGTGTGCAGGGTGAGCGGCTGGTGGGGCGGCCCCAACCACTCCAGATCGGAAGAGCGGTTCAG
chr1	9777545	9777584	PIK3CD_3666	-	GTGACCTATGCACCAGACGTGGGAAGCAGGGCTGTTAACACGGCTCAAAGTGCAGCTTGTAGATCGGAAGAGCGGTTCAG
chr1	9778702	9778741	PIK3CD_3667	-	GTGACCTATGCACCAGACGTTGCCGGGATGATGGGTGAGGAGGCAGAGGCCCAGCCCCTCAGATCGGAAGAGCGGTTCAG
chr1	9779929	9779968	PIK3CD_3668	-	GTGACCTATGCACCAGACGTACAGGGCAGGTGAGGACAGCCACTCAGGGGCCTCCAGACCAGATCGGAAGAGCGGTTCAG
chr1	9780120	9780159	PIK3CD_3669	-	GTGACCTATGCACCAGACGTGGGCAGATGAAGTTGTAGAGGGGTGACCAGCATCTCTGGGAGATCGGAAGAGCGGTTCAG
chr1	9780619	9780658	PIK3CD_3670	-	GTGACCTATGCACCAGACGTCGGCTGCACTCAGCGTCCCCAGGGGCCTGGACCAGCCCGGAGATCGGAAGAGCGGTTCAG
chr1	9780750	9780789	PIK3CD_3671	-	GTGACCTATGCACCAGACGTTGGGCAGGAGTGAGGGCTCTGGTTCCACGCCGGCTCCATGAGATCGGAAGAGCGGTTCAG
chr1	9781452	9781491	PIK3CD_3672	-	GTGACCTATGCACCAGACGTGGAAGGCGCTGGGGCCTGGAGCTCCCCGACTCAGGACAGGAGATCGGAAGAGCGGTTCAG
chr1	9781769	9781808	PIK3CD_3673	-	GTGACCTATGCACCAGACGTAAGGGAGGGCTGAGCCTCACCAGGCAGCACCACGCAGCCCAGATCGGAAGAGCGGTTCAG
chr1	9781983	9782022	PIK3CD_3674	-	GTGACCTATGCACCAGACGTGATGGGAGGGCGGCGGTGGGCAGGTCCCAGCCTCGACCCAAGATCGGAAGAGCGGTTCAG
chr1	9782252	9782291	PIK3CD_3675	-	GTGACCTATGCACCAGACGTAGAGAGCGGGCAGTCAGCAGGGGCTCCTCTACCGGCCTCCAGATCGGAAGAGCGGTTCAG
chr1	9782536	9782575	PIK3CD_3676	-	GTGACCTATGCACCAGACGTGGCCGGTGGGAGGAGAAGCGTGAGTTTCTGGTAGGTTCTCAGATCGGAAGAGCGGTTCAG
chr1	9783133	9783172	PIK3CD_3677	-	GTGACCTATGCACCAGACGTGGGAAGAGGGACGGGCAAATGGCATGGTCAAGGGCTGTCCAGATCGGAAGAGCGGTTCAG
chr1	9784284	9784323	PIK3CD_3678	-	GTGACCTATGCACCAGACGTGGGAGAGGAGGGGGAGGATTGAGAAGGTGTCAGACAGGAGAGATCGGAAGAGCGGTTCAG
chr1	9784812	9784851	PIK3CD_3679	-	GTGACCTATGCACCAGACGTGGGACAGAGGAAGTGAGGCTCTGGGAACTCCCAGCCACAGAGATCGGAAGAGCGGTTCAG
chr1	9786917	9786956	PIK3CD_3680	-	GTGACCTATGCACCAGACGTATCACAGCGGTGTCCACGTTAAGGGGGCCCGGACCTTGCTAGATCGGAAGAGCGGTTCAG
chr19	18266640	18266679	PIK3R2_3681	-	GTGACCTATGCACCAGACGTGTGGGGTGGGGTCTGGATGGTTAGGTGGCTGCTTGGAGCCAGATCGGAAGAGCGGTTCAG
chr19	18271231	18271270	PIK3R2_3682	-	GTGACCTATGCACCAGACGTAAACAGGGGGGTTGCATGTTGGTGGGGTTCCTGGAAGGAGAGATCGGAAGAGCGGTTCAG
chr19	18271679	18271718	PIK3R2_3683	-	GTGACCTATGCACCAGACGTAGGGGACAGGCGAGTCAGCTCTCAAATGCTGCCCCGACCTAGATCGGAAGAGCGGTTCAG
chr19	18271814	18271853	PIK3R2_3684	-	GTGACCTATGCACCAGACGTAGGGGGGCACACGTCCAACTCATGTGTACTGGGGCCCCCAAGATCGGAAGAGCGGTTCAG
chr19	18272039	18272078	PIK3R2_3685	-	GTGACCTATGCACCAGACGTATGGCCAGGGCAGGGTGAGCCAGGCCTGGGCCCTCCCACCAGATCGGAAGAGCGGTTCAG
chr19	18272726	18272765	PIK3R2_3686	-	GTGACCTATGCACCAGACGTAGGGGAGTGTGGTGAGGGCTGGGTAGGGCCTGTCCGCCCAAGATCGGAAGAGCGGTTCAG
chr19	18272962	18273001	PIK3R2_3687	-	GTGACCTATGCACCAGACGTGGAAAACAAATGCATCCTGAGCACCGACTGTATACTGTGGAGATCGGAAGAGCGGTTCAG
chr19	18273168	18273207	PIK3R2_3688	-	GTGACCTATGCACCAGACGTATCCAACATTGGGACTGCCGAGCCACCTGGAGACCCCGCTAGATCGGAAGAGCGGTTCAG
chr19	18273727	18273766	PIK3R2_3689	-	GTGACCTATGCACCAGACGTAGAGGGGTGTCGGCACCCAGTGGGACCCCGCACCTGACCCAGATCGGAAGAGCGGTTCAG
chr19	18274023	18274062	PIK3R2_3690	-	GTGACCTATGCACCAGACGTGTGGCGGAATGAGGGGAGATGCATAGCCTGGTCGGGTCTAAGATCGGAAGAGCGGTTCAG
chr19	18276920	18276959	PIK3R2_3691	-	GTGACCTATGCACCAGACGTGGGCGCAGCTCAGCACCTCCTGGGACTCCCCAAAAGGCCCAGATCGGAAGAGCGGTTCAG
chr19	18279486	18279525	PIK3R2_3692	-	GTGACCTATGCACCAGACGTGGGCGGTGGCGGGGAGGGCCCTGGTCACTCACCTGCCAGCAGATCGGAAGAGCGGTTCAG
chr19	18279847	18279886	PIK3R2_3693	-	GTGACCTATGCACCAGACGTAGACGAGAGGGGGAGTCGGAAGGCTGGCCTCCCCGCCAAGAGATCGGAAGAGCGGTTCAG
chr7	113517728	113517767	PPP1R3A_3694	-	GTGACCTATGCACCAGACGTACTATTCTCTCTTAAAAGATAAGCTATTTAACCCCAAACAAGATCGGAAGAGCGGTTCAG
chr7	113522044	113522083	PPP1R3A_3695	-	GTGACCTATGCACCAGACGTTGGTTGCCACGGTATTAGAGAAGATGAATCCATTTCTGCTAGATCGGAAGAGCGGTTCAG
chr7	113522267	113522306	PPP1R3A_3696	-	GTGACCTATGCACCAGACGTTCATTAATTTTAAAACCAAATTTGTCTCTTTTGTGAAAGTAGATCGGAAGAGCGGTTCAG
chr7	113558220	113558259	PPP1R3A_3697	-	GTGACCTATGCACCAGACGTATCTTACATATTTTATTATTCACAATCTTAAAGTTTTTATAGATCGGAAGAGCGGTTCAG
chr7	113558611	113558650	PPP1R3A_3698	-	GTGACCTATGCACCAGACGTGTCTCTTCTTGGGTCTACAAGTATCAAGGGTATTATTCGAAGATCGGAAGAGCGGTTCAG
chr7	113518208	113518247	PPP1R3A_3699	-	GTGACCTATGCACCAGACGTCTTATCCTGAGTCTAAACCTGAAGAAGTTTCCAGAAGTTCAGATCGGAAGAGCGGTTCAG
chr7	113518688	113518727	PPP1R3A_3700	-	GTGACCTATGCACCAGACGTTAGGTATTTGTAATGTACGTGTAGATGAAATGGAGAAGGAAGATCGGAAGAGCGGTTCAG
chr7	113519168	113519207	PPP1R3A_3701	-	GTGACCTATGCACCAGACGTATAATAGCCCACAGCATAAACAAAGTTGGAATGTTCTGGAAGATCGGAAGAGCGGTTCAG
chr7	113519648	113519687	PPP1R3A_3702	-	GTGACCTATGCACCAGACGTGAGATTTCCATTCAGATACGTCGGCATGTCTCAAAGAATCAGATCGGAAGAGCGGTTCAG
chr11	111597639	111597678	PPP2R1B_3703	-	GTGACCTATGCACCAGACGTTTAAAAAAAGAACATAAAAAATAAAGTACCACACATATTGAGATCGGAAGAGCGGTTCAG
chr11	111608122	111608161	PPP2R1B_3704	-	GTGACCTATGCACCAGACGTGGAAGCCTGGGGTCAAGTCCTGCCCTCAGGGCTGCGGGCAAGATCGGAAGAGCGGTTCAG
chr11	111612270	111612309	PPP2R1B_3705	-	GTGACCTATGCACCAGACGTGAGGGAAAAGGCCTTTACTAGATTCTTGTCACAAATTTCTAGATCGGAAGAGCGGTTCAG
chr11	111612727	111612766	PPP2R1B_3706	-	GTGACCTATGCACCAGACGTCCTTCTTTTGCCTTGCAGCTTATGCCTTGGTTAACTGGGAAGATCGGAAGAGCGGTTCAG
chr11	111613197	111613236	PPP2R1B_3707	-	GTGACCTATGCACCAGACGTAGTGTTTAGTCTTGTTTTAAAAGTGTACTTTAAATTTTACAGATCGGAAGAGCGGTTCAG
chr11	111614050	111614089	PPP2R1B_3708	-	GTGACCTATGCACCAGACGTCATAACTGTTATTGCTAAGCTTAATCATTAAAGCAAAATTAGATCGGAAGAGCGGTTCAG
chr11	111618628	111618667	PPP2R1B_3709	-	GTGACCTATGCACCAGACGTAAAAACAGATTATTGAAAGCCCATATATCCATGATTTTCAAGATCGGAAGAGCGGTTCAG
chr11	111622833	111622872	PPP2R1B_3710	-	GTGACCTATGCACCAGACGTGTTGCTCCATGAACTGCAGGGTAGTGTCAGATAGTGACAAAGATCGGAAGAGCGGTTCAG
chr11	111624117	111624156	PPP2R1B_3711	-	GTGACCTATGCACCAGACGTCTTTATGTTCTGTTGCCTTTGATAGTAATTTGATTTTATTAGATCGGAAGAGCGGTTCAG
chr11	111625173	111625212	PPP2R1B_3712	-	GTGACCTATGCACCAGACGTCTTTATTTTGTTTCACTCTCTTTTATATGAAGGTAAACCTAGATCGGAAGAGCGGTTCAG

chr11	111625654	111625693	PPP2R1B_3713	-	GTGACCTATGCACCAGACGTTCAATTTATGTTGGAACATGTGTCATTCATTTTGGTGCATAGATCGGAAGAGCGGTTCAG
chr11	111625969	111626008	PPP2R1B_3714	-	GTGACCTATGCACCAGACGTCATTTTTAAGTACTAAGGAAATAAACCTGAAAACACATAGAGATCGGAAGAGCGGTTCAG
chr11	111630478	111630517	PPP2R1B_3715	-	GTGACCTATGCACCAGACGTTCTTAGTATTTAAGGGACACAGATATGCTCCTTTCCTCTAAGATCGGAAGAGCGGTTCAG
chr11	111631493	111631532	PPP2R1B_3716	-	GTGACCTATGCACCAGACGTGTATTTTTTTGCCTTGTTAAAGCAGAAATCAGGTAGTAAGAGATCGGAAGAGCGGTTCAG
chr11	111635479	111635518	PPP2R1B_3717	-	GTGACCTATGCACCAGACGTATAAGCTGCCTACCCTCCTTCTACAACTTTTGCAGTATAAAGATCGGAAGAGCGGTTCAG
chr11	111635968	111636007	PPP2R1B_3718	-	GTGACCTATGCACCAGACGTCTTTGTTTAAAGAAAGGTAGGGACATTCCATTTTCCAGTAAGATCGGAAGAGCGGTTCAG
chr11	111636922	111636961	PPP2R1B_3719	-	GTGACCTATGCACCAGACGTGAGGCCGGGGACCCGAGGCGAGACCGGCTGGTCGCGTGGTAGATCGGAAGAGCGGTTCAG
chr12	70915219	70915258	PTPRB_3720	-	GTGACCTATGCACCAGACGTGAAGAGCTCCTGGATAAAAATTATTCACTGTGTGATTTGTAGATCGGAAGAGCGGTTCAG
chr12	70918201	70918240	PTPRB_3721	-	GTGACCTATGCACCAGACGTACTTCACTTACTTCCCCAAGTTTCTTCATCAAGATATGGTAGATCGGAAGAGCGGTTCAG
chr12	70925765	70925804	PTPRB_3722	-	GTGACCTATGCACCAGACGTTAGACTGAAAGTTACAGGCCACCCTCCTCCCCACTGTATTAGATCGGAAGAGCGGTTCAG
chr12	70928218	70928257	PTPRB_3723	-	GTGACCTATGCACCAGACGTACCTAGCAGCCAATAAAATGGCAGCCATAAGGGGGTTGTGAGATCGGAAGAGCGGTTCAG
chr12	70928563	70928602	PTPRB_3724	-	GTGACCTATGCACCAGACGTTTGCTTGACTTAACAACCGAGCTTGGGGAGATGAATGAGAAGATCGGAAGAGCGGTTCAG
chr12	70929755	70929794	PTPRB_3725	-	GTGACCTATGCACCAGACGTAGCCTTCCTGGCATCAAAGCTTTGCTTTCTGCCACCTGGAAGATCGGAAGAGCGGTTCAG
chr12	70931885	70931924	PTPRB_3726	-	GTGACCTATGCACCAGACGTCACTAGGCCATAGTGTTCAGGATGAGGCTTTGGTGGGTGGAGATCGGAAGAGCGGTTCAG
chr12	70932654	70932693	PTPRB_3727	-	GTGACCTATGCACCAGACGTTGTCAAAATTTGTAATACTGTCTTCCTCTAGCCATTTCTGAGATCGGAAGAGCGGTTCAG
chr12	70933355	70933394	PTPRB_3728	-	GTGACCTATGCACCAGACGTGGCAGAATGAAGCTTCAGCATCCCTAGTTCTTAGCAGAATAGATCGGAAGAGCGGTTCAG
chr12	70933557	70933596	PTPRB_3729	-	GTGACCTATGCACCAGACGTGAACACATTAATTACTATATTATCTGCCTTTGAAATATGAAGATCGGAAGAGCGGTTCAG
chr12	70933669	70933708	PTPRB_3730	-	GTGACCTATGCACCAGACGTCATTTGCCTTCGTATAATTTGTTGAAAGATGGTATTATGTAGATCGGAAGAGCGGTTCAG
chr12	70934588	70934627	PTPRB_3731	-	GTGACCTATGCACCAGACGTAGATCCTTTTGGTGATTGGACCCACAACTTTAAAAATGCAAGATCGGAAGAGCGGTTCAG
chr12	70938287	70938326	PTPRB_3732	-	GTGACCTATGCACCAGACGTCCTTTACATCATGTTCTACCAACTGCCATGTCACCTACAAAGATCGGAAGAGCGGTTCAG
chr12	70946507	70946546	PTPRB_3733	-	GTGACCTATGCACCAGACGTTTACCACTGTTTTGCTAGAAGGGACATGCTACATTACTAAAGATCGGAAGAGCGGTTCAG
chr12	70948890	70948929	PTPRB_3734	-	GTGACCTATGCACCAGACGTATGAGTTAACTCCACTCTGAGACACAGAATTGCTTCCTCAAGATCGGAAGAGCGGTTCAG
chr12	70949600	70949639	PTPRB_3735	-	GTGACCTATGCACCAGACGTCTGGAGGTGCGCACAGAGCCTCCTGTCACTGGAGTGAAGGAGATCGGAAGAGCGGTTCAG
chr12	70953073	70953112	PTPRB_3736	-	GTGACCTATGCACCAGACGTTTTTGCTACTCTTATTTCTCAAATGGAGTAGAGGAAGTATAGATCGGAAGAGCGGTTCAG
chr12	70954401	70954440	PTPRB_3737	-	GTGACCTATGCACCAGACGTCAGGTGCCAATGGCCAAGGGATGGTGGGAAGTAGCTTCCAAGATCGGAAGAGCGGTTCAG
chr12	70956574	70956613	PTPRB_3738	-	GTGACCTATGCACCAGACGTGACCCAAGCAGTAATGAATCGTGGGGGAATTGTCCCGGTAAGATCGGAAGAGCGGTTCAG
chr12	70960165	70960204	PTPRB_3739	-	GTGACCTATGCACCAGACGTCAGCATAATGTTTTGTAGCACATATTGCCAATGTCTGCTAAGATCGGAAGAGCGGTTCAG
chr12	70963405	70963444	PTPRB_3740	-	GTGACCTATGCACCAGACGTACCTGGAGAAGGGCTAGATTGTAGAATGCCTCATGGTTCTAGATCGGAAGAGCGGTTCAG
chr12	70964756	70964795	PTPRB_3741	-	GTGACCTATGCACCAGACGTATACTGTTCTTGAACCTGAATAGATGCAGTGGTGCATTTAAGATCGGAAGAGCGGTTCAG
chr12	70965554	70965593	PTPRB_3742	-	GTGACCTATGCACCAGACGTCGATTGCAAAATCTGACAGTTGGTTGGACTTGAAAGTCTCAGATCGGAAGAGCGGTTCAG
chr12	70970112	70970151	PTPRB_3743	-	GTGACCTATGCACCAGACGTATGAAGGTTCAGGGCTCCGTAAGAACCAATTCACATGTGGAGATCGGAAGAGCGGTTCAG
chr12	70974766	70974805	PTPRB_3744	-	GTGACCTATGCACCAGACGTGAGATATGTGTCTGTGACTTAACTAAGATCTGAGTACATGAGATCGGAAGAGCGGTTCAG
chr12	70980737	70980776	PTPRB_3745	-	GTGACCTATGCACCAGACGTTTATAAATTTTACATTTTAAAGTGTTCTGTCTGCTGAATTAGATCGGAAGAGCGGTTCAG
chr12	70983694	70983733	PTPRB_3746	-	GTGACCTATGCACCAGACGTATGAAGATGTTAATACCAATGGAAGAGTAATTTGTTCCCTAGATCGGAAGAGCGGTTCAG
chr12	70986012	70986051	PTPRB_3747	-	GTGACCTATGCACCAGACGTGGCTCCAGAATGTTCCTTGGTTGCTCAAATCACTCTCTGAAGATCGGAAGAGCGGTTCAG
chr12	70988197	70988236	PTPRB_3748	-	GTGACCTATGCACCAGACGTCCTAGCTAGCTGAAGAAGAATAAAGTGAAATCAAGGGAATAGATCGGAAGAGCGGTTCAG
chr12	70989779	70989818	PTPRB_3749	-	GTGACCTATGCACCAGACGTTTTATTTTATAGCTGAGTAGTTAATAGGATACTTTTCAAGAGATCGGAAGAGCGGTTCAG
chr12	71002799	71002838	PTPRB_3750	-	GTGACCTATGCACCAGACGTACAGGTGCAATTGGATGGCCAAGCCACACGGGGTTGGGCCAGATCGGAAGAGCGGTTCAG
chr12	71003491	71003530	PTPRB_3751	-	GTGACCTATGCACCAGACGTCGAGAAGGGGTCAGAGCTGATGCGCCCCCTCCCCGCCGAAAGATCGGAAGAGCGGTTCAG
chr12	71016120	71016159	PTPRB_3752	-	GTGACCTATGCACCAGACGTGGGGTGTGTGGAGTGTGGTCTGTGCACGTCTCAGGAGGCTAGATCGGAAGAGCGGTTCAG
chr12	71029401	71029440	PTPRB_3753	-	GTGACCTATGCACCAGACGTCCTTTCAGAGCAAATCCTGAAAGTCTTTCTACTAAATATCAGATCGGAAGAGCGGTTCAG
chr12	71031071	71031110	PTPRB_3754	-	GTGACCTATGCACCAGACGTCTGCCTCAGTGTCCTGAGGCATTTCTTCAAGATCTAGCCAAGATCGGAAGAGCGGTTCAG
chr6	117609605	117609644	ROS1_3755	-	GTGACCTATGCACCAGACGTTGGGAAATAGAGAGTTGAGATAAACACTCTCATTCAGTAGAGATCGGAAGAGCGGTTCAG
chr6	117622087	117622126	ROS1_3756	-	GTGACCTATGCACCAGACGTTTCTTCAGAATTTTCTAGTTTTCGCTGCACTGTGAACTGAAGATCGGAAGAGCGGTTCAG
chr6	117629907	117629946	ROS1_3757	-	GTGACCTATGCACCAGACGTTATGTTAACATATGTATCCCCCAAACAAAAACATGTGCACAGATCGGAAGAGCGGTTCAG
chr6	117632133	117632172	ROS1_3758	-	GTGACCTATGCACCAGACGTCTTCTGGATACAGGGTTATTACGGATATTGGCACAATAATAGATCGGAAGAGCGGTTCAG
chr6	117638256	117638295	ROS1_3759	-	GTGACCTATGCACCAGACGTGGGATCCATAATATTGGTTTCATAATGCAAATGCCCTATAAGATCGGAAGAGCGGTTCAG
chr6	117639301	117639340	ROS1_3760	-	GTGACCTATGCACCAGACGTAATAATTTTCTCCTGGTATGGGTAAGAAGTTTTAAGTCCGAGATCGGAAGAGCGGTTCAG
chr6	117640981	117641020	ROS1_3761	-	GTGACCTATGCACCAGACGTTCTTCGAACTCCTTGACACATTATATCACCATATCTACAAAGATCGGAAGAGCGGTTCAG
chr6	117642372	117642411	ROS1_3762	-	GTGACCTATGCACCAGACGTTTGGCCATCATTATGGAGCACCTAGGCAAAGGGTGGGCAAAGATCGGAAGAGCGGTTCAG
chr6	117645445	117645484	ROS1_3763	-	GTGACCTATGCACCAGACGTTAGAATTTTTAAAATAGGCAACAAACTGTTTACTTAATCAAGATCGGAAGAGCGGTTCAG
chr6	117647337	117647376	ROS1_3764	-	GTGACCTATGCACCAGACGTATGTCTGTCTACACACTAGCTTATTACCTAAAGGTTCAGTAGATCGGAAGAGCGGTTCAG
chr6	117650442	117650481	ROS1_3765	-	GTGACCTATGCACCAGACGTTTGCAAAGTACTTGTAAATGACAAAGAACTAAGAAGATAAAGATCGGAAGAGCGGTTCAG
chr6	117658285	117658324	ROS1_3766	-	GTGACCTATGCACCAGACGTACATACTCAATACTCAGAAAACTCTGTGTTTCAGTTTTTTAGATCGGAAGAGCGGTTCAG
chr6	117662248	117662287	ROS1_3767	-	GTGACCTATGCACCAGACGTAATGCAAGTCTTTATTTTATGATATAGAATAAATTGGAAAAGATCGGAAGAGCGGTTCAG
chr6	117662513	117662552	ROS1_3768	-	GTGACCTATGCACCAGACGTTTTACTAGGCACTCTTTATTGTCATTCTCAAGTGCAAGGCAGATCGGAAGAGCGGTTCAG
chr6	117663513	117663552	ROS1_3769	-	GTGACCTATGCACCAGACGTGGCTTGTTGTGGGTTTCTCAAGCAGAATATTGTGATATATAGATCGGAAGAGCGGTTCAG
chr6	117665173	117665212	ROS1_3770	-	GTGACCTATGCACCAGACGTAACTAGTGGTCTTTGTCTTTTCACAAGATGTTCTTTTTTGAGATCGGAAGAGCGGTTCAG

chr6	117674103	117674142	ROS1_3771	-	GTGACCTATGCACCAGACGTCACATTCGTAATCAGCTTGTTCTCCCAATTTAGGGTCAGAAGATCGGAAGAGCGGTTCAG
chr6	117677742	117677781	ROS1_3772	-	GTGACCTATGCACCAGACGTGATGTATGTGCACAGATATTTGTTAATAAGAGCAGCCCCTAGATCGGAAGAGCGGTTCAG
chr6	117678917	117678956	ROS1_3773	-	GTGACCTATGCACCAGACGTGCAAGTATTTTTTTATATTGTGATGAAATAGATATAGACAAGATCGGAAGAGCGGTTCAG
chr6	117680922	117680961	ROS1_3774	-	GTGACCTATGCACCAGACGTATGTAATTCTTCCGAAATAAAGGAAGTGAAGTATTTGCATAGATCGGAAGAGCGGTTCAG
chr6	117683716	117683755	ROS1_3775	-	GTGACCTATGCACCAGACGTGAAAACAGAAGATATGAGAGTCTTAATAGCGGCATTGTGGAGATCGGAAGAGCGGTTCAG
chr6	117686173	117686212	ROS1_3776	-	GTGACCTATGCACCAGACGTTAAAATCTGTCTTTTTTCTTAAAAAAGCAGAATCTCACTTAGATCGGAAGAGCGGTTCAG
chr6	117686694	117686733	ROS1_3777	-	GTGACCTATGCACCAGACGTGGTTCTAGTAACTTTCATTTCCCAAACAGACTGTACCATCAGATCGGAAGAGCGGTTCAG
chr6	117687189	117687228	ROS1_3778	-	GTGACCTATGCACCAGACGTTCATTCCTGCTTACCCTACTCCACTATACCTTCAGTTAAAAGATCGGAAGAGCGGTTCAG
chr6	117700172	117700211	ROS1_3779	-	GTGACCTATGCACCAGACGTTCCCTCAAAGGCAATTGATTGAGAAGAAAACTTGTCAGTCAGATCGGAAGAGCGGTTCAG
chr6	117704430	117704469	ROS1_3780	-	GTGACCTATGCACCAGACGTAAAAGATCTGATCATTTAGTAATACTGAATAGCTCTATATAGATCGGAAGAGCGGTTCAG
chr6	117708002	117708041	ROS1_3781	-	GTGACCTATGCACCAGACGTAGTCCTCTGTTCACTTGAATGACAGATTTCTACTCATAAGAGATCGGAAGAGCGGTTCAG
chr6	117708893	117708932	ROS1_3782	-	GTGACCTATGCACCAGACGTGTTCTGGATTTAGGGAGTGACTCTCACAAAAAGAGGACTAAGATCGGAAGAGCGGTTCAG
chr6	117710463	117710502	ROS1_3783	-	GTGACCTATGCACCAGACGTTGTCCCCAGTGTGGTTACTGGCCTTGCTGGAATAAGAGGAAGATCGGAAGAGCGGTTCAG
chr6	117714337	117714376	ROS1_3784	-	GTGACCTATGCACCAGACGTGCCTTGTAAAGATGAATTCTCTTCCATTGGGAATAAATAAAGATCGGAAGAGCGGTTCAG
chr6	117715275	117715314	ROS1_3785	-	GTGACCTATGCACCAGACGTGAAGTTAAAGAGGAATAGTGATAGACAGTGATACTGATATAGATCGGAAGAGCGGTTCAG
chr6	117715729	117715768	ROS1_3786	-	GTGACCTATGCACCAGACGTTAAGGATAAATGATTCCTTAGTGTGAAAAGAAGATTCTAAAGATCGGAAGAGCGGTTCAG
chr6	117717301	117717340	ROS1_3787	-	GTGACCTATGCACCAGACGTGGCTTCTTCCTTTAGCTACACAGGAATGAGGGTGGCAAGGAGATCGGAAGAGCGGTTCAG
chr6	117718028	117718067	ROS1_3788	-	GTGACCTATGCACCAGACGTAGTGATACAGAGGAAAATGTAACCAGCATGGCTGCAGGCAAGATCGGAAGAGCGGTTCAG
chr6	117724252	117724291	ROS1_3789	-	GTGACCTATGCACCAGACGTCACACATTTCTTATGAAAGGACATTATTCCAAAGCTTTGAAGATCGGAAGAGCGGTTCAG
chr6	117730695	117730734	ROS1_3790	-	GTGACCTATGCACCAGACGTACACACGACTTTTAAAAAATAGGCTGCACCACTCTAGTGAAGATCGGAAGAGCGGTTCAG
chr6	117737371	117737410	ROS1_3791	-	GTGACCTATGCACCAGACGTATTAGATTTCTATTTTGATACTGATGTTTCTTTCAAGAGGAGATCGGAAGAGCGGTTCAG
chr6	117739575	117739614	ROS1_3792	-	GTGACCTATGCACCAGACGTTCTTCAGTTGTCAAGAATATTACAATGTTTGTGTTGATAAAGATCGGAAGAGCGGTTCAG
chr6	117746647	117746686	ROS1_3793	-	GTGACCTATGCACCAGACGTCAATCTAATATTTGTCTTTGCAGGAACTAGAACATGTAGCAGATCGGAAGAGCGGTTCAG
chr6	166826200	166826239	RPS6KA2_3794	-	GTGACCTATGCACCAGACGTCCTGGCCCCAGCGTCCCCTGCCAGCATCCTCGTGGGCTCAAGATCGGAAGAGCGGTTCAG
chr6	166827232	166827271	RPS6KA2_3795	-	GTGACCTATGCACCAGACGTGCGACAGTGAGGACAGAGTGGTGGGAATGGGAAACCCAGAAGATCGGAAGAGCGGTTCAG
chr6	166831663	166831702	RPS6KA2_3796	-	GTGACCTATGCACCAGACGTGTCCCAGCGTTGCTTTTAAATATTCAGATTCTGAAATAGCAGATCGGAAGAGCGGTTCAG
chr6	166833320	166833359	RPS6KA2_3797	-	GTGACCTATGCACCAGACGTACCTCAAACAGGTGTCAGGAGGAGACACAGGGCAGCAGCCAGATCGGAAGAGCGGTTCAG
chr6	166836694	166836733	RPS6KA2_3798	-	GTGACCTATGCACCAGACGTCCCGACTGCAGACCCAGGCCTCTCTATCCGCAAAGACAGGAGATCGGAAGAGCGGTTCAG
chr6	166843891	166843930	RPS6KA2_3799	-	GTGACCTATGCACCAGACGTTGCCTGGGGCAGCCTTCGGGGAGGAGGGAGCTTCAGGGCAAGATCGGAAGAGCGGTTCAG
chr6	166845839	166845878	RPS6KA2_3800	-	GTGACCTATGCACCAGACGTCCCGTGCAACAGCATCTCCACTTCCTTCTGTTTCTTCAACAGATCGGAAGAGCGGTTCAG
chr6	166862162	166862201	RPS6KA2_3801	-	GTGACCTATGCACCAGACGTCCTGCTGAGTGAGCAGGGCCCTGTGTGAGTGCAGCGCGTGAGATCGGAAGAGCGGTTCAG
chr6	166864541	166864580	RPS6KA2_3802	-	GTGACCTATGCACCAGACGTTTGCCTGCAGTGGGTTGGGGGTAAGAGGGCACTTGGATGAAGATCGGAAGAGCGGTTCAG
chr6	166872887	166872926	RPS6KA2_3803	-	GTGACCTATGCACCAGACGTCAGTGGTTCCCTCTATCGGTGGCTTCTCCCACCTGACCCCAGATCGGAAGAGCGGTTCAG
chr6	166883279	166883318	RPS6KA2_3804	-	GTGACCTATGCACCAGACGTTGCCACAGTCCCCACCTGCACACGCGTGACACAGAAGTGGAGATCGGAAGAGCGGTTCAG
chr6	166902271	166902310	RPS6KA2_3805	-	GTGACCTATGCACCAGACGTCCGGGACACCCCACCACGGGAACGTGCAGGGCGCTGCCCCAGATCGGAAGAGCGGTTCAG
chr6	166904109	166904148	RPS6KA2_3806	-	GTGACCTATGCACCAGACGTTGGGAGCCACCCCAGAGACCTGCGAGCACCTTCTGATATCAGATCGGAAGAGCGGTTCAG
chr6	166911946	166911985	RPS6KA2_3807	-	GTGACCTATGCACCAGACGTCCCGACCCTCTTCTGTGCCATGGCGGCTGTTCCCCACGTGAGATCGGAAGAGCGGTTCAG
chr6	166914325	166914364	RPS6KA2_3808	-	GTGACCTATGCACCAGACGTGACGGCAGGCCCCCTCCATGGCTTCATCTCAGCCCTGGTAAGATCGGAAGAGCGGTTCAG
chr6	166917944	166917983	RPS6KA2_3809	-	GTGACCTATGCACCAGACGTAAAAACTAGGGCTGACTTCCCCACGCCCATCAGCTCCATGAGATCGGAAGAGCGGTTCAG
chr6	166921641	166921680	RPS6KA2_3810	-	GTGACCTATGCACCAGACGTGCCACATCACACAGGAGGGCGGGCAGGAGCTTCTGTCTGGAGATCGGAAGAGCGGTTCAG
chr6	166923715	166923754	RPS6KA2_3811	-	GTGACCTATGCACCAGACGTTCAAAATGACACTTTAAAGAGGACCCAGGGCAACCTTCTCAGATCGGAAGAGCGGTTCAG
chr6	166944670	166944709	RPS6KA2_3812	-	GTGACCTATGCACCAGACGTCGGAAGGGCCGGCTGCTTCAGAGACAGGTAACTGCAATTTAGATCGGAAGAGCGGTTCAG
chr6	166952106	166952145	RPS6KA2_3813	-	GTGACCTATGCACCAGACGTCCCTGGCTGTCTCTTGAGTCTCATTCCTGAACACAAAGGAAGATCGGAAGAGCGGTTCAG
chr6	167040359	167040398	RPS6KA2_3814	-	GTGACCTATGCACCAGACGTCGCCCTCGGGGCGCGCAGGTGCCGGGCACTGAGCGGGCCGAGATCGGAAGAGCGGTTCAG
chr6	167271638	167271677	RPS6KA2_3815	-	GTGACCTATGCACCAGACGTACGTTTTATTACACTCTGCTTTGTTTGGGGAGATTGGGCCAGATCGGAAGAGCGGTTCAG
chr6	167275546	167275585	RPS6KA2_3816	-	GTGACCTATGCACCAGACGTGAGAGAACGCACTTTTCACAGCATCCTCAAGAATCCGAACAGATCGGAAGAGCGGTTCAG
chr1	17345326	17345365	SDHB_3817	-	GTGACCTATGCACCAGACGTGCTAAACATGATTTATAACCAGCTCAGAGCTGAACATAATAGATCGGAAGAGCGGTTCAG
chr1	17349053	17349092	SDHB_3818	-	GTGACCTATGCACCAGACGTCTGGTGACCCTCAGCTCTGCCTCAGAGCTGACACGCCAGAAGATCGGAAGAGCGGTTCAG
chr1	17350418	17350457	SDHB_3819	-	GTGACCTATGCACCAGACGTCCTTAATTGCTTTAAGAGAAATTGAAACTCAAGCATCCAGAGATCGGAAGAGCGGTTCAG
chr1	17354194	17354233	SDHB_3820	-	GTGACCTATGCACCAGACGTCCTATTTATTGTTTCAATCTGAAGAATTTATTGCAAAGATAGATCGGAAGAGCGGTTCAG
chr1	17355045	17355084	SDHB_3821	-	GTGACCTATGCACCAGACGTGCATCTCTCTGGTTTTGTTTTTATTTGCATGGGGGGCAGTAGATCGGAAGAGCGGTTCAG
chr1	17359505	17359544	SDHB_3822	-	GTGACCTATGCACCAGACGTCATTCCTGTTGGGCTCCAGATACTTGTGGTCTTCCAAAGAAGATCGGAAGAGCGGTTCAG
chr1	17371206	17371245	SDHB_3823	-	GTGACCTATGCACCAGACGTCTGTGAAAGCCAGCTATTGAAGGAGAGTTCTTGATTTGATAGATCGGAAGAGCGGTTCAG
chr1	17380393	17380432	SDHB_3824	-	GTGACCTATGCACCAGACGTGAGCCTCAGAGAGGGAAAAGTCAGGAAAGCCACAGAGACTAGATCGGAAGAGCGGTTCAG
chr12	53774026	53774065	SP1_3825	-	GTGACCTATGCACCAGACGTGAGGGACAAGCTCAAGGGGGTCCTGTCCGGGGGGGTTGGGAGATCGGAAGAGCGGTTCAG
chr12	53775393	53775432	SP1_3826	-	GTGACCTATGCACCAGACGTTAAAAAACAAACAACGTAAACTTGAGGGAAGAAAAGAAATAGATCGGAAGAGCGGTTCAG
chr12	53775407	53775446	SP1_3827	-	GTGACCTATGCACCAGACGTTGGTCTAAAATAATTAAAAAACAAACAACGTAAACTTGAGAGATCGGAAGAGCGGTTCAG
chr12	53775844	53775883	SP1_3828	-	GTGACCTATGCACCAGACGTATAAGGGAGAGGAAAGGAGTTAGTGACACCCAGCTGCCAGAGATCGGAAGAGCGGTTCAG

chr12	53800319	53800358	SP1_3829	-	GTGACCTATGCACCAGACGTGAGAGAAAAGGGTCAACATGTGACATGGGCAGGTTATCACAGATCGGAAGAGCGGTTCAG
chr12	53803096	53803135	SP1_3830	-	GTGACCTATGCACCAGACGTGGACACAACTGTTAATCATTCATTCTAGAGAAAACTAAAGAGATCGGAAGAGCGGTTCAG
chr12	53804661	53804700	SP1_3831	-	GTGACCTATGCACCAGACGTGAAGAAAAGATAAGAAGCTGACATGTTAGGAAGTGAGGTTAGATCGGAAGAGCGGTTCAG
chr12	53776222	53776261	SP1_3832	-	GTGACCTATGCACCAGACGTGGGATTACTTGATACTGAATATTAGGCATCACTCCAGGTAAGATCGGAAGAGCGGTTCAG
chr12	53776600	53776639	SP1_3833	-	GTGACCTATGCACCAGACGTGTCCCTGAGGTGACAGGCTGTGAGCCACTCTCCTGGGACCAGATCGGAAGAGCGGTTCAG
chr12	53776978	53777017	SP1_3834	-	GTGACCTATGCACCAGACGTGCTTGAGTTGTAAAGGTCTGCCCTGACAATGGTGCTGCTTAGATCGGAAGAGCGGTTCAG
chr15	39874009	39874048	THBS1_3835	-	GTGACCTATGCACCAGACGTTTGGTGCCCAGCAGGGATCCTGTAGCAGGAAGCACAAGAGAGATCGGAAGAGCGGTTCAG
chr15	39874344	39874383	THBS1_3836	-	GTGACCTATGCACCAGACGTGGAGAGAACACAAAGTGAGCTTTCTAGGCTGGGACCAGCAAGATCGGAAGAGCGGTTCAG
chr15	39875768	39875807	THBS1_3837	-	GTGACCTATGCACCAGACGTAGGACACACATTACTTGTAGAATGCAGAGCGGGGTGGGGAAGATCGGAAGAGCGGTTCAG
chr15	39876139	39876178	THBS1_3838	-	GTGACCTATGCACCAGACGTACAAAATGAAAACTTCAAATAGATACTCTTACCAACCAGCAGATCGGAAGAGCGGTTCAG
chr15	39876451	39876490	THBS1_3839	-	GTGACCTATGCACCAGACGTGAGAATATCATTAGTGTCCCCCCGCATTTTCAGTCATTTGAGATCGGAAGAGCGGTTCAG
chr15	39877621	39877660	THBS1_3840	-	GTGACCTATGCACCAGACGTAGAGAGTGAGAGGGGAACAGGCTGCTGAGCATGTTGCATAAGATCGGAAGAGCGGTTCAG
chr15	39879498	39879537	THBS1_3841	-	GTGACCTATGCACCAGACGTAACAGAGGTTCATCAGGTACGTGATGATTAGGACAAGCTGAGATCGGAAGAGCGGTTCAG
chr15	39880193	39880232	THBS1_3842	-	GTGACCTATGCACCAGACGTGAGTTGATGGTCACAAATGGTTTTGGCTTAGAGACAGCCAAGATCGGAAGAGCGGTTCAG
chr15	39880677	39880716	THBS1_3843	-	GTGACCTATGCACCAGACGTATGAACCACAGGCAACAATTAAGATCAACTTTCAAATCCCAGATCGGAAGAGCGGTTCAG
chr15	39881110	39881149	THBS1_3844	-	GTGACCTATGCACCAGACGTGAGAGAGAGACAGTCACAGTAAATGGTTGGTCTAAGCTGCAGATCGGAAGAGCGGTTCAG
chr15	39881353	39881392	THBS1_3845	-	GTGACCTATGCACCAGACGTAATAAGAGCGTGCATCATGTTTAGAAGTCACTGCCATAAGAGATCGGAAGAGCGGTTCAG
chr15	39881956	39881995	THBS1_3846	-	GTGACCTATGCACCAGACGTACCATGCTGCTGTTACACAGAGCTTTTGAGAATCCTCAGAAGATCGGAAGAGCGGTTCAG
chr15	39882667	39882706	THBS1_3847	-	GTGACCTATGCACCAGACGTGAAGATATATATCACTGCTTCAGTTGCCTTCCTCATGCTGAGATCGGAAGAGCGGTTCAG
chr15	39883342	39883381	THBS1_3848	-	GTGACCTATGCACCAGACGTAAGAAATGGAGCACTTAACAATGTTGTCCTTGAAAACAGCAGATCGGAAGAGCGGTTCAG
chr15	39883656	39883695	THBS1_3849	-	GTGACCTATGCACCAGACGTCAAGGGACAAATAAGAGCTGGGCTCTCCAGCCTTGGATGTAGATCGGAAGAGCGGTTCAG
chr15	39884719	39884758	THBS1_3850	-	GTGACCTATGCACCAGACGTGATGTAAATGGAGGGTAAATTGCAGTATAAACCATTCATGAGATCGGAAGAGCGGTTCAG
chr15	39885151	39885190	THBS1_3851	-	GTGACCTATGCACCAGACGTAAAAGCAAGAGTTCAGCAAAATTCTAAAGTGCTATTATTAAGATCGGAAGAGCGGTTCAG
chr15	39885548	39885587	THBS1_3852	-	GTGACCTATGCACCAGACGTAGCCCAGAGCCAGGTTAAAACCTGCAGCCTTCAGAAGGTTAGATCGGAAGAGCGGTTCAG
chr15	39886250	39886289	THBS1_3853	-	GTGACCTATGCACCAGACGTAGGAAAAGGAAAGGTTGAAACACAGCTCCTTCAGGTAAAGAGATCGGAAGAGCGGTTCAG
chr15	39886452	39886491	THBS1_3854	-	GTGACCTATGCACCAGACGTAAAAAATCTTGTTTAGTGACAATGCTATTTAATACTTTTTAGATCGGAAGAGCGGTTCAG
chr15	39887513	39887552	THBS1_3855	-	GTGACCTATGCACCAGACGTAACAAATATAAATAAATATACAAATGAAAACTAATTCATAAGATCGGAAGAGCGGTTCAG
chr15	39874624	39874663	THBS1_3856	-	GTGACCTATGCACCAGACGTAGTGGTCTTTCCGCTCCAGGGCCAGCAGCGTGCCCCGGGTAGATCGGAAGAGCGGTTCAG
chr1	3598880	3598919	TP73_3857	-	GTGACCTATGCACCAGACGTCCGGCCTCCGAGGGCAGCTCGCTCTGCAGGAAGGAAGGAAAGATCGGAAGAGCGGTTCAG
chr1	3599574	3599613	TP73_3858	-	GTGACCTATGCACCAGACGTGAGAGGAAAATAGAAGCGTCAGTCCCCAGTTTGGGTGTCAAGATCGGAAGAGCGGTTCAG
chr1	3607420	3607459	TP73_3859	-	GTGACCTATGCACCAGACGTGGGGGGTCTGCACACGCCAGGGAACTGGTGTCCCGTGGGAAGATCGGAAGAGCGGTTCAG
chr1	3624063	3624102	TP73_3860	-	GTGACCTATGCACCAGACGTAAAGGGGAGGAGGGAGGGGGAAACACACACAGTCAGTCGTAGATCGGAAGAGCGGTTCAG
chr1	3638535	3638574	TP73_3861	-	GTGACCTATGCACCAGACGTGGAGAGGGAGCGGGTGAGACCAGTGGTCCCAACTGCACCCAGATCGGAAGAGCGGTTCAG
chr1	3639868	3639907	TP73_3862	-	GTGACCTATGCACCAGACGTGGGTCGACACTTCAGAGAGGTGCATAGAGGTGCCCACCCCAGATCGGAAGAGCGGTTCAG
chr1	3643629	3643668	TP73_3863	-	GTGACCTATGCACCAGACGTGGGAGCAGGGAGAGGGGCTAGCATCAGCACGCAGCCCCAAAGATCGGAAGAGCGGTTCAG
chr1	3644142	3644181	TP73_3864	-	GTGACCTATGCACCAGACGTGGCACAGCCAGAATTGTGAGCTCAACCCTGCCCACCCTCAAGATCGGAAGAGCGGTTCAG
chr1	3644643	3644682	TP73_3865	-	GTGACCTATGCACCAGACGTAGGCAGGGCAGGCGGGGTGAGCAGGCAGGACCAGAGGGTGAGATCGGAAGAGCGGTTCAG
chr1	3645841	3645880	TP73_3866	-	GTGACCTATGCACCAGACGTAGGAGCAGATCTCTGCCCACGTGCCCCAGACCCCCACGGGAGATCGGAAGAGCGGTTCAG
chr1	3646514	3646553	TP73_3867	-	GTGACCTATGCACCAGACGTGCAACGGCTCGCATGGGTGGGAAGCAAGGCAGCCTCGTGCAGATCGGAAGAGCGGTTCAG
chr1	3647441	3647480	TP73_3868	-	GTGACCTATGCACCAGACGTGGCAGGTGGGGCCATCAGGGCAGCCAGGCTGGGCATCCAGAGATCGGAAGAGCGGTTCAG
chr1	3647977	3648016	TP73_3869	-	GTGACCTATGCACCAGACGTAATTTGAGAAAGGAAGCAGCATTAGCTTCCGAGCACAGGGAGATCGGAAGAGCGGTTCAG
chr1	3649261	3649300	TP73_3870	-	GTGACCTATGCACCAGACGTCCGGCGCATTAGGGGCAGGGGGCAGTGGAGCAGGGAGAGCAGATCGGAAGAGCGGTTCAG
chr12	121746233	121746272	ANAPC5_3871	-	GTGACCTATGCACCAGACGTCCTGCTGGGCTGCTGTGCAGAGTATAAGATTTTGGACTTGAGATCGGAAGAGCGGTTCAG
chr12	121747454	121747493	ANAPC5_3872	-	GTGACCTATGCACCAGACGTGTACGAAGACTGTTAGGCAATGCTATTCCAGAAAGCATTGAGATCGGAAGAGCGGTTCAG
chr12	121756030	121756069	ANAPC5_3873	-	GTGACCTATGCACCAGACGTCTCTGTTTTTATAGCACATATTTGTGCTCAAGAGCTGGTGAGATCGGAAGAGCGGTTCAG
chr12	121756254	121756293	ANAPC5_3874	-	GTGACCTATGCACCAGACGTTCTTGTACATCTCACGGAGATGTGGTGGTGGATCTTCTCAAGATCGGAAGAGCGGTTCAG
chr12	121757450	121757489	ANAPC5_3875	-	GTGACCTATGCACCAGACGTTTGAAAACTCTAACCCCAGAATAAAATAATTGTTAAATGGAGATCGGAAGAGCGGTTCAG
chr12	121758138	121758177	ANAPC5_3876	-	GTGACCTATGCACCAGACGTTTTTGCATGGCAATAGATTTATTTCTGATAAAAATAGCTTAGATCGGAAGAGCGGTTCAG
chr12	121764849	121764888	ANAPC5_3877	-	GTGACCTATGCACCAGACGTGGCCGGGCCCACGTGCTTCTGGAGCAATGGAGGCTCTACCAGATCGGAAGAGCGGTTCAG
chr12	121766069	121766108	ANAPC5_3878	-	GTGACCTATGCACCAGACGTCAAGGCCCTGGGGGTGTGAATTCTTTAGAGAGAAGCAGGAAGATCGGAAGAGCGGTTCAG
chr12	121768336	121768375	ANAPC5_3879	-	GTGACCTATGCACCAGACGTTCTTTCTGTGAGATTGTTTCCATAAATGGTCGAGCCTTTGAGATCGGAAGAGCGGTTCAG
chr12	121769100	121769139	ANAPC5_3880	-	GTGACCTATGCACCAGACGTCCTCTGGTCTTGGGAGTTTTGTTCACGGGTTGAATTGGCCAGATCGGAAGAGCGGTTCAG
chr12	121773286	121773325	ANAPC5_3881	-	GTGACCTATGCACCAGACGTAGACCTTTGTCCTTGCGCAAATTGAAGGAACCGATGACAAAGATCGGAAGAGCGGTTCAG
chr12	121775044	121775083	ANAPC5_3882	-	GTGACCTATGCACCAGACGTCCCAGAATTTGTTGCTGTGTTGGAAAGGAATGACAAGGCAAGATCGGAAGAGCGGTTCAG
chr12	121779756	121779795	ANAPC5_3883	-	GTGACCTATGCACCAGACGTTCTGTAATTTATCATGAACTTCTGTTCTAGTCCTGTGATGAGATCGGAAGAGCGGTTCAG
chr12	121783592	121783631	ANAPC5_3884	-	GTGACCTATGCACCAGACGTTTTTCTGACAGGGATCCTTTTCCTGTGAAATAGTATAATTAGATCGGAAGAGCGGTTCAG
chr12	121784649	121784688	ANAPC5_3885	-	GTGACCTATGCACCAGACGTCTTCTAAGAAGAGCAGAGAGTATTTTCATTGAAGTGAGCAAGATCGGAAGAGCGGTTCAG
chr12	121785555	121785594	ANAPC5_3886	-	GTGACCTATGCACCAGACGTTTTTCTTCTTTATATATGAAAAGGTGTGAAGGTAGATGAAAGATCGGAAGAGCGGTTCAG

chr3	142168221	142168260	ATR_3887	-	GTGACCTATGCACCAGACGTTGTAAAAGAATATGTTAATAATCTAAAAGTAATGCATTTGAGATCGGAAGAGCGGTTCAG
chr3	142171920	142171959	ATR_3888	-	GTGACCTATGCACCAGACGTGGTATAGCTTGATATGGGCTGTAGTCCTCATCTCTACAAAAGATCGGAAGAGCGGTTCAG
chr3	142176396	142176435	ATR_3889	-	GTGACCTATGCACCAGACGTATACTTTGTAAATAATTTAACAGTAACCTCGAATATAATTAGATCGGAAGAGCGGTTCAG
chr3	142177750	142177789	ATR_3890	-	GTGACCTATGCACCAGACGTTGAGTTACTCTTACTAATTGTGTTTTCTCTCAATTTCCTTAGATCGGAAGAGCGGTTCAG
chr3	142180732	142180771	ATR_3891	-	GTGACCTATGCACCAGACGTTAATTCTTATACATATACAGTGTGGGTACTAAGTTATATAAGATCGGAAGAGCGGTTCAG
chr3	142185116	142185155	ATR_3892	-	GTGACCTATGCACCAGACGTGTTTTATATGACTATGATTTTAAAATTTAGTTGTTAAAAAAGATCGGAAGAGCGGTTCAG
chr3	142186726	142186765	ATR_3893	-	GTGACCTATGCACCAGACGTAATCTTAGTGCTTATAAACTGATGTTGGGTAATTATGTATAGATCGGAAGAGCGGTTCAG
chr3	142188129	142188168	ATR_3894	-	GTGACCTATGCACCAGACGTCTTTTACCTTTTTATATGAAAAGATCTTTTACCATTTTATAGATCGGAAGAGCGGTTCAG
chr3	142188878	142188917	ATR_3895	-	GTGACCTATGCACCAGACGTTCACGTAAAAGTTTTAAAGGACTAGGAATTATAACTTTGGAGATCGGAAGAGCGGTTCAG
chr3	142203932	142203971	ATR_3896	-	GTGACCTATGCACCAGACGTGAACTGCATGTTTGCAGATTAAATATGTAAGGATGACTATAGATCGGAAGAGCGGTTCAG
chr3	142211924	142211963	ATR_3897	-	GTGACCTATGCACCAGACGTGTATAATGCAGTTTCAGTTAACTCTGTTGACTACGTAAAAAGATCGGAAGAGCGGTTCAG
chr3	142215805	142215844	ATR_3898	-	GTGACCTATGCACCAGACGTCTACTTTTTTTAAAAATGTCACTTATCTTGAATTTGGTATAGATCGGAAGAGCGGTTCAG
chr3	142217389	142217428	ATR_3899	-	GTGACCTATGCACCAGACGTATTTCCATTTTTATATTTCTGGCCTATAAATGTCACCTGAAGATCGGAAGAGCGGTTCAG
chr3	142222154	142222193	ATR_3900	-	GTGACCTATGCACCAGACGTATAAAATGATTTTCTTTTGTTATTGCATCTGAATGGAGAAAGATCGGAAGAGCGGTTCAG
chr3	142223931	142223970	ATR_3901	-	GTGACCTATGCACCAGACGTAATTGAAAGGCAACTGTAATGAAAATAGCCCTGAATAGGAAGATCGGAAGAGCGGTTCAG
chr3	142226723	142226762	ATR_3902	-	GTGACCTATGCACCAGACGTAATATAGTGAATTTAATAATGAAAATTAATGTGGCCAGTCAGATCGGAAGAGCGGTTCAG
chr3	142231052	142231091	ATR_3903	-	GTGACCTATGCACCAGACGTACTTCTGTTTCTTTTTTTTTTTTTTTTTTAGCTATTCACCAGATCGGAAGAGCGGTTCAG
chr3	142232293	142232332	ATR_3904	-	GTGACCTATGCACCAGACGTTCATCTTACTTGGTTTTTGAACATGTGAAACTTACTTTCTAGATCGGAAGAGCGGTTCAG
chr3	142234187	142234226	ATR_3905	-	GTGACCTATGCACCAGACGTCTGTTCAGTTTGTTAACTGAATGGAAATTCTAAAGGAAACAGATCGGAAGAGCGGTTCAG
chr3	142241520	142241559	ATR_3906	-	GTGACCTATGCACCAGACGTATATAGTCATTACTGGCTTTAAATTGTTTAATTCAAATAAAGATCGGAAGAGCGGTTCAG
chr3	142242785	142242824	ATR_3907	-	GTGACCTATGCACCAGACGTGAAATTTGGAATGACAAAAGAGTTCTCTGTCCTATTGAGGAGATCGGAAGAGCGGTTCAG
chr3	142253872	142253911	ATR_3908	-	GTGACCTATGCACCAGACGTATGATATAATTAAAAATGTATAACAAAGAAAGATTGGAGGAGATCGGAAGAGCGGTTCAG
chr3	142254900	142254939	ATR_3909	-	GTGACCTATGCACCAGACGTTTTAATTTGTGGTTTAGGAGATCATTAATACAGAATTGTTAGATCGGAAGAGCGGTTCAG
chr3	142257274	142257313	ATR_3910	-	GTGACCTATGCACCAGACGTTGAAATTAATAGTAAAATAATAACTTTTTAAACTGTATTTAGATCGGAAGAGCGGTTCAG
chr3	142261457	142261496	ATR_3911	-	GTGACCTATGCACCAGACGTATAGTTCCAGAGTGCTAAGATAGAATTCATACAGAATATAAGATCGGAAGAGCGGTTCAG
chr3	142266517	142266556	ATR_3912	-	GTGACCTATGCACCAGACGTTGTTCTATGAGGTTTTTTTGTTTGTTTTTCTTCCTTTTGCAGATCGGAAGAGCGGTTCAG
chr3	142268924	142268963	ATR_3913	-	GTGACCTATGCACCAGACGTACATATAGTTCACTTGAGGTTTGCAATTCAGTATTTTGTTAGATCGGAAGAGCGGTTCAG
chr3	142272019	142272058	ATR_3914	-	GTGACCTATGCACCAGACGTGCGTTTGTCTGGACTATAGGCAACAGCAGTACTTTTTAAGAGATCGGAAGAGCGGTTCAG
chr3	142272432	142272471	ATR_3915	-	GTGACCTATGCACCAGACGTCAGCATTTGTGTTCTTCCTTATTTATTTTGGCCATTCTCCAGATCGGAAGAGCGGTTCAG
chr3	142272617	142272656	ATR_3916	-	GTGACCTATGCACCAGACGTTTTGTTTTTAACATTTGAGTTTACGTCAACCTAGCTCTAAAGATCGGAAGAGCGGTTCAG
chr3	142274669	142274708	ATR_3917	-	GTGACCTATGCACCAGACGTATGACTTATTTAATACTTTAAAACCTATTTAAGCTCTGCTAGATCGGAAGAGCGGTTCAG
chr3	142275175	142275214	ATR_3918	-	GTGACCTATGCACCAGACGTAGATTTTAATTTGAATATATCACTCTATTGGAAAGATCATAGATCGGAAGAGCGGTTCAG
chr3	142278043	142278082	ATR_3919	-	GTGACCTATGCACCAGACGTATTAGCAACAGATCAGAATAACCTTTAAAGATAATCAGTAAGATCGGAAGAGCGGTTCAG
chr3	142279055	142279094	ATR_3920	-	GTGACCTATGCACCAGACGTCTTCTTGTTTCTTGGGGTTGGGTTTCCTGTAATGAACTTGAGATCGGAAGAGCGGTTCAG
chr3	142280035	142280074	ATR_3921	-	GTGACCTATGCACCAGACGTCTTCATTCAGTTTGTATTTAGCCATTAAATAAAACTTTGTAGATCGGAAGAGCGGTTCAG
chr3	142281024	142281063	ATR_3922	-	GTGACCTATGCACCAGACGTTTTCAGGTTACTAGTTAAGTATGTATTTTGTTCATCATTTAGATCGGAAGAGCGGTTCAG
chr3	142284913	142284952	ATR_3923	-	GTGACCTATGCACCAGACGTTTATTCATGCATTCACTTGCCATCTGTTCTATAAAATCCTAGATCGGAAGAGCGGTTCAG
chr3	142286855	142286894	ATR_3924	-	GTGACCTATGCACCAGACGTAATTATTTCTTATATAAACTTTATAAATTAGACTTTTCTTAGATCGGAAGAGCGGTTCAG
chr3	142297438	142297477	ATR_3925	-	GTGACCTATGCACCAGACGTGCCCAGCCTGGGTCCTGCATCCTCCTCCGCTGATTCCGGCAGATCGGAAGAGCGGTTCAG
chr3	142281463	142281502	ATR_3926	-	GTGACCTATGCACCAGACGTGCAATTAGCTTTTTAACAGAACTTTTTCAGCTTGGAGGACAGATCGGAAGAGCGGTTCAG
chr19	45251998	45252037	BCL3_3927	-	GTGACCTATGCACCAGACGTGGGACGGCGGCCGGAGAGCGGCTGGGCTCGGCTGCACGGGAGATCGGAAGAGCGGTTCAG
chr19	45254434	45254473	BCL3_3928	-	GTGACCTATGCACCAGACGTGAGGACAGAGAAGGGACATGGGTGAGGCCACACCCACAGAAGATCGGAAGAGCGGTTCAG
chr19	45259439	45259478	BCL3_3929	-	GTGACCTATGCACCAGACGTGGGAGTGAAGGAATCACAGGCATTAGGGGTTGTTCACCTCAGATCGGAAGAGCGGTTCAG
chr19	45260224	45260263	BCL3_3930	-	GTGACCTATGCACCAGACGTGTGACTGTGAGGGACCTGTGTCCAGCCCTGCTCTCTAGTCAGATCGGAAGAGCGGTTCAG
chr19	45260534	45260573	BCL3_3931	-	GTGACCTATGCACCAGACGTGGAGGGCTCGGTGAAACCTAGGCCCGGGCTTTGCGGCCGCAGATCGGAAGAGCGGTTCAG
chr19	45260853	45260892	BCL3_3932	-	GTGACCTATGCACCAGACGTGAGGGAAGGTCTTAGTTTCTCCAAGCTCTGCTCCAGCAGCAGATCGGAAGAGCGGTTCAG
chr19	45261453	45261492	BCL3_3933	-	GTGACCTATGCACCAGACGTGGAGGGCCGGGTCAGGAGGGCGCGCGGGCCACCCGGGGTAAGATCGGAAGAGCGGTTCAG
chr19	45261931	45261970	BCL3_3934	-	GTGACCTATGCACCAGACGTATGGGCGTGACCATAGAGCCACCCATGCCTCACAGTCCTCAGATCGGAAGAGCGGTTCAG
chr2	32582180	32582219	BIRC6_3935	-	GTGACCTATGCACCAGACGTGGGGCAAGCCGAGCGCGTTAGCCGGAAGTGAAGTCAGGCGAGATCGGAAGAGCGGTTCAG
chr2	32602606	32602645	BIRC6_3936	-	GTGACCTATGCACCAGACGTAACAAAAATTCAACACTTAAGATTTTCAGGCCAATGGTCTAGATCGGAAGAGCGGTTCAG
chr2	32613768	32613807	BIRC6_3937	-	GTGACCTATGCACCAGACGTATGGGAGTATAAGCAAAGGAAAATGTACTCAACAGTTTTAAGATCGGAAGAGCGGTTCAG
chr2	32617057	32617096	BIRC6_3938	-	GTGACCTATGCACCAGACGTACATACTTTATGTAATTGAAGTTAGGCATCAAATCACAGTAGATCGGAAGAGCGGTTCAG
chr2	32620529	32620568	BIRC6_3939	-	GTGACCTATGCACCAGACGTATAAAGAAAAGAGACAGAAAAGGTAAATCATTATTAAAATAGATCGGAAGAGCGGTTCAG
chr2	32626181	32626220	BIRC6_3940	-	GTGACCTATGCACCAGACGTATTTAGAAAGGAAAAGTTTACTAAAAATAAAGCAATTCAGAGATCGGAAGAGCGGTTCAG
chr2	32626481	32626520	BIRC6_3941	-	GTGACCTATGCACCAGACGTGAAAAGCCTAAGTTTACAACTGATCTTTTTTCAATTACTAAGATCGGAAGAGCGGTTCAG
chr2	32631517	32631556	BIRC6_3942	-	GTGACCTATGCACCAGACGTAAAACAAAGTAAACAATTTGAATTTCAAAAAAAGTATACAAGATCGGAAGAGCGGTTCAG
chr2	32639787	32639826	BIRC6_3943	-	GTGACCTATGCACCAGACGTGAACAATATTCATTAGATATGTTTCTACTCATCCAGTCAGAGATCGGAAGAGCGGTTCAG
chr2	32654164	32654203	BIRC6_3944	-	GTGACCTATGCACCAGACGTGTAAATTTCATAGATACATGAAAAATAGGTAAACATTCAAAGATCGGAAGAGCGGTTCAG

chr2	32658662	32658701	BIRC6_3945	-	GTGACCTATGCACCAGACGTAGGGGAAAAATGCTAAATAAAGCAAAAATCTTTCTTCAGCAGATCGGAAGAGCGGTTCAG
chr2	32660514	32660553	BIRC6_3946	-	GTGACCTATGCACCAGACGTAGGAAAGGTGATCTGCCTATCTACTGCTGTTTCTAGAGGAAGATCGGAAGAGCGGTTCAG
chr2	32661071	32661110	BIRC6_3947	-	GTGACCTATGCACCAGACGTAAATACATATTTTTCTTTTAAATTCATTCATTTAAAATGTAGATCGGAAGAGCGGTTCAG
chr2	32664526	32664565	BIRC6_3948	-	GTGACCTATGCACCAGACGTGGAGTAGAATGGGGAAAATAACTGAATCACCAATAAATTCAGATCGGAAGAGCGGTTCAG
chr2	32666347	32666386	BIRC6_3949	-	GTGACCTATGCACCAGACGTCAAATAATAATGAATTTTAAAAAATAAACTAAACTAAAAAAGATCGGAAGAGCGGTTCAG
chr2	32667083	32667122	BIRC6_3950	-	GTGACCTATGCACCAGACGTAGAAAATATAAACACATTACCAAACAAAACAGAACAACTAAGATCGGAAGAGCGGTTCAG
chr2	32667342	32667381	BIRC6_3951	-	GTGACCTATGCACCAGACGTATAGCAGACATTTAGACTCATCCTGAACTTTCAATCATAAAGATCGGAAGAGCGGTTCAG
chr2	32668509	32668548	BIRC6_3952	-	GTGACCTATGCACCAGACGTTTTAAAAAGAAAAATTGTAAAGACATTACTCAAGGTCTAAAGATCGGAAGAGCGGTTCAG
chr2	32670539	32670578	BIRC6_3953	-	GTGACCTATGCACCAGACGTTAAAAACAAAATAAATGTTTCTTTTTCCTCCTTTTCCTCTAGATCGGAAGAGCGGTTCAG
chr2	32673813	32673852	BIRC6_3954	-	GTGACCTATGCACCAGACGTAAATAATGCACTAACAATTTTCCTTTCAGCCATCTAATTAAGATCGGAAGAGCGGTTCAG
chr2	32678826	32678865	BIRC6_3955	-	GTGACCTATGCACCAGACGTAAGACAAGTTTTATAACACGTGAAGATAATTTTTAAAAAGAGATCGGAAGAGCGGTTCAG
chr2	32688212	32688251	BIRC6_3956	-	GTGACCTATGCACCAGACGTACAAGGGGTAAAAACAAAAACAAAAAACACCAGGATGAAGAGATCGGAAGAGCGGTTCAG
chr2	32689527	32689566	BIRC6_3957	-	GTGACCTATGCACCAGACGTAGTAAAAGCAACATATATAGACTAATCCTGCCTACCTAAAAGATCGGAAGAGCGGTTCAG
chr2	32690083	32690122	BIRC6_3958	-	GTGACCTATGCACCAGACGTGAAAAAAAAAAAATCTAACTTTATATTGATATTACTATAGAGATCGGAAGAGCGGTTCAG
chr2	32692543	32692582	BIRC6_3959	-	GTGACCTATGCACCAGACGTAAGAAGAAACAGTTGACCAAAAATATATCAATTAACCAAAAGATCGGAAGAGCGGTTCAG
chr2	32692921	32692960	BIRC6_3960	-	GTGACCTATGCACCAGACGTAAATTATAAATATACATATATACACATCTGCCACAATAAAAGATCGGAAGAGCGGTTCAG
chr2	32693455	32693494	BIRC6_3961	-	GTGACCTATGCACCAGACGTAAAAGATTGAACAAAATAATTCTTGTAATGTCCTCTTTATAGATCGGAAGAGCGGTTCAG
chr2	32694413	32694452	BIRC6_3962	-	GTGACCTATGCACCAGACGTAAAGAAAACAGTAAACTTTCCTATTTAAATGTATTGTATAAGATCGGAAGAGCGGTTCAG
chr2	32695186	32695225	BIRC6_3963	-	GTGACCTATGCACCAGACGTAACAAACAAAAAAGAAAAGAATAAGAATCAATTCGATTGTAGATCGGAAGAGCGGTTCAG
chr2	32696032	32696071	BIRC6_3964	-	GTGACCTATGCACCAGACGTATGACAGCAAAGGAAAAACATCCAGATGACTTTAGGATTCAGATCGGAAGAGCGGTTCAG
chr2	32698130	32698169	BIRC6_3965	-	GTGACCTATGCACCAGACGTAGGAAAACTTGTATTAATAATTCTGTTAAATGTGATTTTAAGATCGGAAGAGCGGTTCAG
chr2	32701231	32701270	BIRC6_3966	-	GTGACCTATGCACCAGACGTCAAATAAACAACTTAATCTTTAACAACGTTAAAAACAAAAAGATCGGAAGAGCGGTTCAG
chr2	32702386	32702425	BIRC6_3967	-	GTGACCTATGCACCAGACGTAAATGTATAGTGTTTAAATCAATGTTTACTTAATGAAAATAGATCGGAAGAGCGGTTCAG
chr2	32703653	32703692	BIRC6_3968	-	GTGACCTATGCACCAGACGTTTTTATAAAATCATACACTTAAATAGCAATTACATGTTTTAGATCGGAAGAGCGGTTCAG
chr2	32704480	32704519	BIRC6_3969	-	GTGACCTATGCACCAGACGTGGGGATAGTCCTGTTTTAATAATTTATACAGATTTCGAAAAGATCGGAAGAGCGGTTCAG
chr2	32706338	32706377	BIRC6_3970	-	GTGACCTATGCACCAGACGTTTAAAAGTGATCTTATTGGTGGAGTGTATCACATAAAATTAGATCGGAAGAGCGGTTCAG
chr2	32707447	32707486	BIRC6_3971	-	GTGACCTATGCACCAGACGTTGGAAAAAAAACTGTGGTTTATTTTTGCCTCTTGGCTGAAAGATCGGAAGAGCGGTTCAG
chr2	32710660	32710699	BIRC6_3972	-	GTGACCTATGCACCAGACGTCAATTGAAAGAAAAAGAAAACATTGACAATTATTACTCATAGATCGGAAGAGCGGTTCAG
chr2	32712664	32712703	BIRC6_3973	-	GTGACCTATGCACCAGACGTAACACAAGTATAATTTTATACATAAAGTATCAGGATATGTAGATCGGAAGAGCGGTTCAG
chr2	32713605	32713644	BIRC6_3974	-	GTGACCTATGCACCAGACGTATGAAAATCAACAGGAGAAAAATGTACCTATTATAATATGAGATCGGAAGAGCGGTTCAG
chr2	32715058	32715097	BIRC6_3975	-	GTGACCTATGCACCAGACGTAAGAGAAAGGGAAAATATTTTTCAGAAAAACAATGTTTATAGATCGGAAGAGCGGTTCAG
chr2	32716442	32716481	BIRC6_3976	-	GTGACCTATGCACCAGACGTTTTTTTAAAAACCTCTTAAGAAATGGACCATGAAATAATGAGATCGGAAGAGCGGTTCAG
chr2	32718557	32718596	BIRC6_3977	-	GTGACCTATGCACCAGACGTATGTATATTCACTGAAAACTGCTTACTGGTAACATGTAAAAGATCGGAAGAGCGGTTCAG
chr2	32727812	32727851	BIRC6_3978	-	GTGACCTATGCACCAGACGTAAATATGCATATTATGACTTTATATATTCCTGTGAATAAGAGATCGGAAGAGCGGTTCAG
chr2	32728059	32728098	BIRC6_3979	-	GTGACCTATGCACCAGACGTAAAGAATATGAAATGAAATCGATCTCAGGACAGATGGTTCAGATCGGAAGAGCGGTTCAG
chr2	32730022	32730061	BIRC6_3980	-	GTGACCTATGCACCAGACGTTATTTTACATAAATTATAAGAACTTGCAAAAGAAACATAAAGATCGGAAGAGCGGTTCAG
chr2	32732997	32733036	BIRC6_3981	-	GTGACCTATGCACCAGACGTAGAAAACTGAATCATCACAAAAGACAAAGTATACTAGATTAGATCGGAAGAGCGGTTCAG
chr2	32734755	32734794	BIRC6_3982	-	GTGACCTATGCACCAGACGTAAAATGACTTGTATGATCAATATAAGTCGCTCAAATCACTAGATCGGAAGAGCGGTTCAG
chr2	32735543	32735582	BIRC6_3983	-	GTGACCTATGCACCAGACGTAGAATCCAAAGAAAAAGTTTGCTAAATAAGCAAGTTAACCAGATCGGAAGAGCGGTTCAG
chr2	32737950	32737989	BIRC6_3984	-	GTGACCTATGCACCAGACGTGAAAACGAATTCATATAACCAACTATATAGTGCAATTGGCAGATCGGAAGAGCGGTTCAG
chr2	32740007	32740046	BIRC6_3985	-	GTGACCTATGCACCAGACGTAAAGATATCATATTAATGATACAAGTATATTTTTAGAAGAAGATCGGAAGAGCGGTTCAG
chr2	32743271	32743310	BIRC6_3986	-	GTGACCTATGCACCAGACGTAAAATATTTAAAAAGTTAAATGCAAGATTTATATGCAGCTAGATCGGAAGAGCGGTTCAG
chr2	32743834	32743873	BIRC6_3987	-	GTGACCTATGCACCAGACGTAGAAATCAAAGAAATCAGGAAGTAACTTTTTGGAATACATAGATCGGAAGAGCGGTTCAG
chr2	32749905	32749944	BIRC6_3988	-	GTGACCTATGCACCAGACGTATATTATCTAAAATACACTGCTTTTCCAAATCATTAAGAAAGATCGGAAGAGCGGTTCAG
chr2	32750481	32750520	BIRC6_3989	-	GTGACCTATGCACCAGACGTAGGATCAGTAAGATTCTACATAGTCAACACACTAATATGAAGATCGGAAGAGCGGTTCAG
chr2	32754668	32754707	BIRC6_3990	-	GTGACCTATGCACCAGACGTATAACTAAGTTAAATCTGGAAACCGAGAAAGAAACATTTAAGATCGGAAGAGCGGTTCAG
chr2	32756372	32756411	BIRC6_3991	-	GTGACCTATGCACCAGACGTAATTACAAATAACTGAATAGGTAAGAAAGGGTATATTTTTAGATCGGAAGAGCGGTTCAG
chr2	32768258	32768297	BIRC6_3992	-	GTGACCTATGCACCAGACGTAGAAAAGTGTTGGCTTGGCCATTCACATTTTCAACATCAGAGATCGGAAGAGCGGTTCAG
chr2	32770660	32770699	BIRC6_3993	-	GTGACCTATGCACCAGACGTGAAAGAAGAGGACTCAAGATTAAAAACAGTTAAAAACACAAGATCGGAAGAGCGGTTCAG
chr2	32772867	32772906	BIRC6_3994	-	GTGACCTATGCACCAGACGTCAAAAAATGAAAATCCATTACAATTTGTTTTTGCTTATCTAGATCGGAAGAGCGGTTCAG
chr2	32774330	32774369	BIRC6_3995	-	GTGACCTATGCACCAGACGTTTGAAATTAATTTGGATTTCAGTTTCACATACTTCAAAAGAGATCGGAAGAGCGGTTCAG
chr2	32800173	32800212	BIRC6_3996	-	GTGACCTATGCACCAGACGTAAGAAGAAAAAGCACAAAATGAGCAAATGTACAATATAAAAGATCGGAAGAGCGGTTCAG
chr2	32818932	32818971	BIRC6_3997	-	GTGACCTATGCACCAGACGTTTAATATGGAAAGAAAAGCAAGGAAAATTAAGATTTTAGGAGATCGGAAGAGCGGTTCAG
chr2	32822768	32822807	BIRC6_3998	-	GTGACCTATGCACCAGACGTAAGAAAAAATAAAACCCAGAACTGCAAAAAATTGTTATAAAGATCGGAAGAGCGGTTCAG
chr2	32824756	32824795	BIRC6_3999	-	GTGACCTATGCACCAGACGTATAAACATACAAAAGTCTATGTTAACATTCCTAAACACTGAGATCGGAAGAGCGGTTCAG
chr2	32828023	32828062	BIRC6_4000	-	GTGACCTATGCACCAGACGTAAAAAAGCATAAACAGAATTGAAAAAAGAGTGCTTAAAAAAGATCGGAAGAGCGGTTCAG
chr2	32832472	32832511	BIRC6_4001	-	GTGACCTATGCACCAGACGTAAGGAAAAGAACAGCTATGATGGGACATTTTTACTGTGGGAGATCGGAAGAGCGGTTCAG
chr2	32836465	32836504	BIRC6_4002	-	GTGACCTATGCACCAGACGTAGTAAACAGGAGAACAAGCAGTGTTTACAGTCAAATTTAAAGATCGGAAGAGCGGTTCAG

chr2	32842742	32842781	BIRC6_4003	-	GTGACCTATGCACCAGACGTGAAAAGGACTAATGTTAGAACTGCAAACCCTCTAGCACAAAGATCGGAAGAGCGGTTCAG
chr2	32724845	32724884	BIRC6_4004	-	GTGACCTATGCACCAGACGTCATTTCGCCACAAACTGCTTTTGCATCACCCGGACGAATAAGATCGGAAGAGCGGTTCAG
chr2	32740397	32740436	BIRC6_4005	-	GTGACCTATGCACCAGACGTAGCTAGAAATGTGGCTAAAGCAGAAACTAGCCAGACTCCTAGATCGGAAGAGCGGTTCAG
chr2	32640252	32640291	BIRC6_4006	-	GTGACCTATGCACCAGACGTCTTTCCTGCTTTCTCATCAGATTCCTTGATGCTATAAAGAAGATCGGAAGAGCGGTTCAG
chr2	32640717	32640756	BIRC6_4007	-	GTGACCTATGCACCAGACGTGATTACACTAATATTTGCACCATTCACTACAGCAAGATTTAGATCGGAAGAGCGGTTCAG
chr17	59760607	59760646	BRIP1_4008	-	GTGACCTATGCACCAGACGTCTCTCAAGCTAAGTAAAAATATGTCATCATGCTTATGTTAAGATCGGAAGAGCGGTTCAG
chr17	59763147	59763186	BRIP1_4009	-	GTGACCTATGCACCAGACGTTTCTTCCCATTTACCTTTGATAGAGAAGTCTTTCATTATAAGATCGGAAGAGCGGTTCAG
chr17	59793262	59793301	BRIP1_4010	-	GTGACCTATGCACCAGACGTTGAAATTTAATATAATATTATCTGTGACAGGGCTATATATAGATCGGAAGAGCGGTTCAG
chr17	59820324	59820363	BRIP1_4011	-	GTGACCTATGCACCAGACGTAAAACCTTAAGTTTTATTATTACAGGAGTCATTGGTTTTGAGATCGGAAGAGCGGTTCAG
chr17	59821743	59821782	BRIP1_4012	-	GTGACCTATGCACCAGACGTATTATTTCATGGTCGGTGAAAAAATATTTTTATTACAAAAGATCGGAAGAGCGGTTCAG
chr17	59853712	59853751	BRIP1_4013	-	GTGACCTATGCACCAGACGTATTTATTGTTTCTTTTGCCTTTAAATAATCATTTACATTTAGATCGGAAGAGCGGTTCAG
chr17	59857572	59857611	BRIP1_4014	-	GTGACCTATGCACCAGACGTGTTTTTTTTTTTGGAAGGCCTTCAGTGTTTCTACTTCAATAGATCGGAAGAGCGGTTCAG
chr17	59858151	59858190	BRIP1_4015	-	GTGACCTATGCACCAGACGTCATGTAAATGGAAATTTTGTCTTCTTGCTCAGTACCAGCAAGATCGGAAGAGCGGTTCAG
chr17	59861581	59861620	BRIP1_4016	-	GTGACCTATGCACCAGACGTATAACTAGTATGTATTTTCCTTTTAAAAATAGCCTAATTTAGATCGGAAGAGCGGTTCAG
chr17	59870908	59870947	BRIP1_4017	-	GTGACCTATGCACCAGACGTTTTTCTACCTGTGAAACGTATTTAGTGAATTAGAAGTGATAGATCGGAAGAGCGGTTCAG
chr17	59876411	59876450	BRIP1_4018	-	GTGACCTATGCACCAGACGTTTGTCTATTAGTGTATTTGTGCTGCCTTTATATGAAAAATAGATCGGAAGAGCGGTTCAG
chr17	59878564	59878603	BRIP1_4019	-	GTGACCTATGCACCAGACGTGTGTAAAAATGAGAACCTTCTTCCTACTCATGGAGATGTAAGATCGGAAGAGCGGTTCAG
chr17	59885778	59885817	BRIP1_4020	-	GTGACCTATGCACCAGACGTTTATTTTGTGTTAGAGAAAAAATAAGGCTGAAAATATTTAAGATCGGAAGAGCGGTTCAG
chr17	59924412	59924451	BRIP1_4021	-	GTGACCTATGCACCAGACGTATGCCATTGTTCAGTTTTAAAGAAGGAAGATATGGAATTTAGATCGGAAGAGCGGTTCAG
chr17	59926440	59926479	BRIP1_4022	-	GTGACCTATGCACCAGACGTTTTATTGGCAGTAAATAACCCAGTTAGTTACAGCTGAACAAGATCGGAAGAGCGGTTCAG
chr17	59934369	59934408	BRIP1_4023	-	GTGACCTATGCACCAGACGTTTTTGCCTGGGTCAGTTGATATCTGTAATAAGAGTCTTAAAGATCGGAAGAGCGGTTCAG
chr17	59937107	59937146	BRIP1_4024	-	GTGACCTATGCACCAGACGTGCTTGATATCTTCAGGTTACTTACTGGGATCTGAGAAAATAGATCGGAAGAGCGGTTCAG
chr17	59938758	59938797	BRIP1_4025	-	GTGACCTATGCACCAGACGTTTCAGCAGTTAAGTTTTTATTAAGATATAGATACTTATGAAGATCGGAAGAGCGGTTCAG
chr17	59761029	59761068	BRIP1_4026	-	GTGACCTATGCACCAGACGTACAGTCCACTTCAAATAGAGATTTTGAAACAGAAGCAGAAAGATCGGAAGAGCGGTTCAG
chr16	88943334	88943373	CBFA2T3_4027	-	GTGACCTATGCACCAGACGTCCCTGGCCTGCCGGACACAGCACCGTGCCAACCCCACCCAAGATCGGAAGAGCGGTTCAG
chr16	88945628	88945667	CBFA2T3_4028	-	GTGACCTATGCACCAGACGTCCGGCCACGCTGACACCCATCCCCTGCCTCGGCTCCCGTGAGATCGGAAGAGCGGTTCAG
chr16	88947078	88947117	CBFA2T3_4029	-	GTGACCTATGCACCAGACGTGTGCAGGGGCCTGGCCAGCAGAGCTGTGGGAGGCCAGGGCAGATCGGAAGAGCGGTTCAG
chr16	88947649	88947688	CBFA2T3_4030	-	GTGACCTATGCACCAGACGTGGTGTGGGGGGAGGGAGCAGACACGGGGTGCTCTGGTGGGAGATCGGAAGAGCGGTTCAG
chr16	88951404	88951443	CBFA2T3_4031	-	GTGACCTATGCACCAGACGTCGGTGGGGCGGGAGCGTGGACGCGTGTTACAGGAGCACACAGATCGGAAGAGCGGTTCAG
chr16	88952319	88952358	CBFA2T3_4032	-	GTGACCTATGCACCAGACGTGCTCCGGGGATCTGGGCTGGGGGTGCCGTGGACACGCGGCAGATCGGAAGAGCGGTTCAG
chr16	88958240	88958279	CBFA2T3_4033	-	GTGACCTATGCACCAGACGTACCCGTCCCCCGTGCTGCGGGAGCCTCCCTAGAAGGCCCCAGATCGGAAGAGCGGTTCAG
chr16	88958602	88958641	CBFA2T3_4034	-	GTGACCTATGCACCAGACGTCAGGGACAGCCGGGGCCTTGGGACATGCATATTCCCTCCGAGATCGGAAGAGCGGTTCAG
chr16	88964436	88964475	CBFA2T3_4035	-	GTGACCTATGCACCAGACGTTAACAAAAACCGCAGGCCTCCCCAGAGGTCTTCACCGCAGAGATCGGAAGAGCGGTTCAG
chr16	88967862	88967901	CBFA2T3_4036	-	GTGACCTATGCACCAGACGTCCCACCTGGCAGCCGAGGGCCAGGTGTTTCAGGGGAGGCCAGATCGGAAGAGCGGTTCAG
chr16	89043015	89043054	CBFA2T3_4037	-	GTGACCTATGCACCAGACGTCGAGGGGAAGGTGGTGGGGTGGGGGCAGAGAGCGGCAGCCAGATCGGAAGAGCGGTTCAG
chr1	193094192	193094231	CDC73_4038	-	GTGACCTATGCACCAGACGTTAAGGCAAGATTTTTTTTACTGACAATTCTAATTCAACTCAGATCGGAAGAGCGGTTCAG
chr1	193099254	193099293	CDC73_4039	-	GTGACCTATGCACCAGACGTAATTTTAAATGAGATATGAAATGAATAACAATGATACACAAGATCGGAAGAGCGGTTCAG
chr1	193104471	193104510	CDC73_4040	-	GTGACCTATGCACCAGACGTAAAAAGATTCACGTAAGGATTACTATTTCAACATATATATAGATCGGAAGAGCGGTTCAG
chr1	193104617	193104656	CDC73_4041	-	GTGACCTATGCACCAGACGTAAGAGAAGTAAATAAATGTGTAGTTTTGGAATGGGCTTCTAGATCGGAAGAGCGGTTCAG
chr1	193107165	193107204	CDC73_4042	-	GTGACCTATGCACCAGACGTCCACTGGTTAATGCATTTAAAATTTTTATTGAACTTTTAGAGATCGGAAGAGCGGTTCAG
chr1	193110930	193110969	CDC73_4043	-	GTGACCTATGCACCAGACGTTTTCTTTTTTAAATTTTCACAGCAGGCATTCCTGGAGTGTAGATCGGAAGAGCGGTTCAG
chr1	193116947	193116986	CDC73_4044	-	GTGACCTATGCACCAGACGTAATGGATTTTAATTAAGCCCACTTTAAATATACAATAGTAAGATCGGAAGAGCGGTTCAG
chr1	193119384	193119423	CDC73_4045	-	GTGACCTATGCACCAGACGTATTAATTATGAGTTACTTGTTAATATTTTTAAATGTCACTAGATCGGAAGAGCGGTTCAG
chr1	193121460	193121499	CDC73_4046	-	GTGACCTATGCACCAGACGTAAAGAGGCTTATTGTTAAGATTTTATAGATCATGTATCTTAGATCGGAAGAGCGGTTCAG
chr1	193172875	193172914	CDC73_4047	-	GTGACCTATGCACCAGACGTATAAGAATTGATATATAAGATCAAAGTTTCTTTACATAATAGATCGGAAGAGCGGTTCAG
chr1	193181145	193181184	CDC73_4048	-	GTGACCTATGCACCAGACGTGAAAAAAAATCACAACTCTGTGTCATAAAAACCATATTCTAGATCGGAAGAGCGGTTCAG
chr1	193181470	193181509	CDC73_4049	-	GTGACCTATGCACCAGACGTAAAATTTACAGGTAGAAAATATATTATTAGAAATTATACTAGATCGGAAGAGCGGTTCAG
chr1	193202073	193202112	CDC73_4050	-	GTGACCTATGCACCAGACGTACAGAGATGAGAAAAAGTCAATGTATTCCACGTGATGAAAAGATCGGAAGAGCGGTTCAG
chr1	193205336	193205375	CDC73_4051	-	GTGACCTATGCACCAGACGTAAAAGTGGGTGGGGGGAGGTAGGGGACAGACGGAGATTATAGATCGGAAGAGCGGTTCAG
chr1	193218810	193218849	CDC73_4052	-	GTGACCTATGCACCAGACGTGGTGGAGAGAAGTTATCATTTTTACTCAAAATAAAAAAAAAGATCGGAAGAGCGGTTCAG
chr1	193219756	193219795	CDC73_4053	-	GTGACCTATGCACCAGACGTTATTATGGTAGGTTATAATGACTATAGGAATTTTAGAATTAGATCGGAAGAGCGGTTCAG
chr5	68530753	68530792	CDK7_4054	-	GTGACCTATGCACCAGACGTAAAGCCCGACTCCAGCCGAAAAGGGCGAGCTCCCAGGACAAGATCGGAAGAGCGGTTCAG
chr5	68531171	68531210	CDK7_4055	-	GTGACCTATGCACCAGACGTAAATAGAAATAACATAAGTTTATGGGAGTTTTTGTGTTTGAGATCGGAAGAGCGGTTCAG
chr5	68548195	68548234	CDK7_4056	-	GTGACCTATGCACCAGACGTCGGAAAAAAACCCAAATATATTAAAAATGTGTTAAATTATAGATCGGAAGAGCGGTTCAG
chr5	68550379	68550418	CDK7_4057	-	GTGACCTATGCACCAGACGTAGGCAAAGCAAAAAGTGAATAATTCTGAAATCTCAAACCTAGATCGGAAGAGCGGTTCAG
chr5	68551237	68551276	CDK7_4058	-	GTGACCTATGCACCAGACGTAAAAAATTAAAATGTGATTCACTATTTAATACCTGACAGTAGATCGGAAGAGCGGTTCAG
chr5	68553820	68553859	CDK7_4059	-	GTGACCTATGCACCAGACGTAGTATACAATATACAGGTACCCTTTATTATTTCAAATAAAAGATCGGAAGAGCGGTTCAG
chr5	68555595	68555634	CDK7_4060	-	GTGACCTATGCACCAGACGTGAAGTTTTAAACAAACAAATAAGCAGGGTAGGGGAGAACAAGATCGGAAGAGCGGTTCAG

chr5	68557982	68558021	CDK7_4061	-	GTGACCTATGCACCAGACGTAAAAGAATTAGTATCATTTTAGCATGAAATTATCAAAGCAAGATCGGAAGAGCGGTTCAG
chr5	68572320	68572359	CDK7_4062	-	GTGACCTATGCACCAGACGTAAAAGATACCAAAAGTAAGGTAGGTGAGTATCTGAAATGTAGATCGGAAGAGCGGTTCAG
chr5	68572884	68572923	CDK7_4063	-	GTGACCTATGCACCAGACGTAAAAGAACAAGAAAAAAAAAAAGTTGTTCACATTTAACAAAAGATCGGAAGAGCGGTTCAG
chr17	57724709	57724748	CLTC_4064	-	GTGACCTATGCACCAGACGTAATCAAGAATTATAAATCATTAAAAGAGTAAAGTTTAGAAAGATCGGAAGAGCGGTTCAG
chr17	57725551	57725590	CLTC_4065	-	GTGACCTATGCACCAGACGTTCAAAGAGAATAACGTTTGAAGACCCATAAATCAAAAACTAGATCGGAAGAGCGGTTCAG
chr17	57733165	57733204	CLTC_4066	-	GTGACCTATGCACCAGACGTAAAATCAACACTTTAGTAAAATAATGAATCTACAAACAGAAGATCGGAAGAGCGGTTCAG
chr17	57737702	57737741	CLTC_4067	-	GTGACCTATGCACCAGACGTAAGAATAAAATGTAGCTGCAATGTGTTCATTTGGATACAAAGATCGGAAGAGCGGTTCAG
chr17	57738754	57738793	CLTC_4068	-	GTGACCTATGCACCAGACGTGAGAAATGTTAAACGCTCTTCGAAAGTGTAAGAAGGAGAAAGATCGGAAGAGCGGTTCAG
chr17	57741153	57741192	CLTC_4069	-	GTGACCTATGCACCAGACGTGAAAAAGAGATTGTTTAGTGATCCATGAACTGTTTTAGAAAGATCGGAAGAGCGGTTCAG
chr17	57742098	57742137	CLTC_4070	-	GTGACCTATGCACCAGACGTACAAAGACTTAAACGCTGCTCCTAAGTTTCAATTTTATAGAGATCGGAAGAGCGGTTCAG
chr17	57743414	57743453	CLTC_4071	-	GTGACCTATGCACCAGACGTAGATTTAAAAGAAATTGTTTTAAGATACTATGGAGAGTATAGATCGGAAGAGCGGTTCAG
chr17	57743791	57743830	CLTC_4072	-	GTGACCTATGCACCAGACGTACAAACAAGGCAAGTTTATTGTCCACTCCACTTACATGAGAGATCGGAAGAGCGGTTCAG
chr17	57746088	57746127	CLTC_4073	-	GTGACCTATGCACCAGACGTCAAGTAATTACAATTAAGCATAGGCACACTTTTGAGAATGAGATCGGAAGAGCGGTTCAG
chr17	57750958	57750997	CLTC_4074	-	GTGACCTATGCACCAGACGTGACAAACAAAAGGAAACTTTAAATTTCTTCTATGAGGTATAGATCGGAAGAGCGGTTCAG
chr17	57752012	57752051	CLTC_4075	-	GTGACCTATGCACCAGACGTAAAGAAGTAGAAGAATGTTATTATGTTATTAAAAGCAAAGAGATCGGAAGAGCGGTTCAG
chr17	57754265	57754304	CLTC_4076	-	GTGACCTATGCACCAGACGTAGGAAAAAAACCTCACACACACATACTGTATTATAAATAAAGATCGGAAGAGCGGTTCAG
chr17	57756708	57756747	CLTC_4077	-	GTGACCTATGCACCAGACGTTATGATAGATTAATTTCAAGGTAAAAAGTAAAGGACTTTTAGATCGGAAGAGCGGTTCAG
chr17	57758223	57758262	CLTC_4078	-	GTGACCTATGCACCAGACGTTATATGGGACATAAGTACTGAGAATCAAGTTGGTTTTAAAAGATCGGAAGAGCGGTTCAG
chr17	57758606	57758645	CLTC_4079	-	GTGACCTATGCACCAGACGTAAAAAGAATATTTTAAATGCAATATTTTAAGTTTATCCGAAGATCGGAAGAGCGGTTCAG
chr17	57758958	57758997	CLTC_4080	-	GTGACCTATGCACCAGACGTAAGTTTGAAATTAGGGTTAGAGTAAAATCAATCCTACCCAAGATCGGAAGAGCGGTTCAG
chr17	57759582	57759621	CLTC_4081	-	GTGACCTATGCACCAGACGTAAAAAGAAAAAATATATCCAAACACTAACATCCTAGTTTAAGATCGGAAGAGCGGTTCAG
chr17	57759940	57759979	CLTC_4082	-	GTGACCTATGCACCAGACGTAAAGGTAACCCACATTCAGCAAGATATTAGTGTGAGCTTAAGATCGGAAGAGCGGTTCAG
chr17	57760218	57760257	CLTC_4083	-	GTGACCTATGCACCAGACGTCATTTCCTTTCTGTGAACTCAAATGTAAAACATGGCTAGTAGATCGGAAGAGCGGTTCAG
chr17	57760406	57760445	CLTC_4084	-	GTGACCTATGCACCAGACGTGAAATGTGCAGTTAAAGATAAGAATATCTATGGTAAAAGAAGATCGGAAGAGCGGTTCAG
chr17	57760698	57760737	CLTC_4085	-	GTGACCTATGCACCAGACGTAAGACTTAATTGCTTTAGATATGAGTCTAGCTAACAGCCTAGATCGGAAGAGCGGTTCAG
chr17	57760936	57760975	CLTC_4086	-	GTGACCTATGCACCAGACGTAAAATCCATACATAAGTCAGTTACTTCCTAATGAGCTTTCAGATCGGAAGAGCGGTTCAG
chr17	57761186	57761225	CLTC_4087	-	GTGACCTATGCACCAGACGTAAGAGTTTGTTACAAATATAGCACATTATTGAAGTCCCAGAGATCGGAAGAGCGGTTCAG
chr17	57762367	57762406	CLTC_4088	-	GTGACCTATGCACCAGACGTAAAAGCCATCCAAATGCCAGATCAGTATTTTGTTTAACATAGATCGGAAGAGCGGTTCAG
chr17	57762898	57762937	CLTC_4089	-	GTGACCTATGCACCAGACGTAAATAGTGAAAGTCAAAAACATTAGACCCCACATACTGAAAGATCGGAAGAGCGGTTCAG
chr17	57767947	57767986	CLTC_4090	-	GTGACCTATGCACCAGACGTACACATCATGTTAATTAGCACCCCAAAAGTATTATAAACCAGATCGGAAGAGCGGTTCAG
chr17	57771039	57771078	CLTC_4091	-	GTGACCTATGCACCAGACGTAGAAAACAAAAAGGAGCAGGGGGCAGGGGCAAGGAGGCAGAGATCGGAAGAGCGGTTCAG
chr8	113236950	113236989	CSMD3_4092	-	GTGACCTATGCACCAGACGTTTTGCCTTCTTCAGAAGCTTGGAAATCGACACACAAAACAAGATCGGAAGAGCGGTTCAG
chr8	113240935	113240974	CSMD3_4093	-	GTGACCTATGCACCAGACGTTGATTTTTAACTACAAAATGTTTCCCAAATCTGTTTTTCAAGATCGGAAGAGCGGTTCAG
chr8	113243724	113243763	CSMD3_4094	-	GTGACCTATGCACCAGACGTCATTTTGATTTTCACGAACTTCTGTTATTATCCCAGACATAGATCGGAAGAGCGGTTCAG
chr8	113246544	113246583	CSMD3_4095	-	GTGACCTATGCACCAGACGTTTATTTTAACATCTGCTGCTGATTTTAATGATAAATTTGTAGATCGGAAGAGCGGTTCAG
chr8	113249369	113249408	CSMD3_4096	-	GTGACCTATGCACCAGACGTAAAAACAGCAGCGAAATATACCTTCATGACTTTATTTCTAAGATCGGAAGAGCGGTTCAG
chr8	113253899	113253938	CSMD3_4097	-	GTGACCTATGCACCAGACGTTCATTTGTTTTTCTAGAGTTCATTATTTCTAAAAATGGTCAGATCGGAAGAGCGGTTCAG
chr8	113256573	113256612	CSMD3_4098	-	GTGACCTATGCACCAGACGTTCTATAGAATCTTTTTAACACAAGAGATTGCACTATTGCTAGATCGGAAGAGCGGTTCAG
chr8	113259199	113259238	CSMD3_4099	-	GTGACCTATGCACCAGACGTTGGATAAGAAATAATGCTATCATGGGTAAGAATTTATATGAGATCGGAAGAGCGGTTCAG
chr8	113266432	113266471	CSMD3_4100	-	GTGACCTATGCACCAGACGTTAGCTATGTCCATTTAGCATCATACTAGGTCAGAATGCGTAGATCGGAAGAGCGGTTCAG
chr8	113267433	113267472	CSMD3_4101	-	GTGACCTATGCACCAGACGTTTAAAGGCTGATTATGCACAGTAACTGTGTAATTAATAGGAGATCGGAAGAGCGGTTCAG
chr8	113275818	113275857	CSMD3_4102	-	GTGACCTATGCACCAGACGTTTTCTACTAACAACTGTTACTTAAAATTTTCAAATTTTTCAGATCGGAAGAGCGGTTCAG
chr8	113293353	113293392	CSMD3_4103	-	GTGACCTATGCACCAGACGTTCTCAATATTTAAAAATCAGTAATTATATGAAAGTATTGAAGATCGGAAGAGCGGTTCAG
chr8	113299243	113299282	CSMD3_4104	-	GTGACCTATGCACCAGACGTGCAGAAATTAAATATATTGCAACTACTGGATTTTAGTGTGAGATCGGAAGAGCGGTTCAG
chr8	113301544	113301583	CSMD3_4105	-	GTGACCTATGCACCAGACGTGAAAATTGGACAATATGTGTTGGAAATTACATTATTGTTAAGATCGGAAGAGCGGTTCAG
chr8	113303689	113303728	CSMD3_4106	-	GTGACCTATGCACCAGACGTAATGTGAATTGTTTCTTGAGAACATGTCATGGAAACCATAAGATCGGAAGAGCGGTTCAG
chr8	113304716	113304755	CSMD3_4107	-	GTGACCTATGCACCAGACGTAAGTATATTCCCATTTGGTGGCATGATAATAATATTCACAAGATCGGAAGAGCGGTTCAG
chr8	113308012	113308051	CSMD3_4108	-	GTGACCTATGCACCAGACGTATGGCAAAAGCAATTAGAGACCTCTGATCTTTGGAATAATAGATCGGAAGAGCGGTTCAG
chr8	113313972	113314011	CSMD3_4109	-	GTGACCTATGCACCAGACGTTTAATTTGTTTTTGTCAAACTTCCCCCTGCCCCTCACCCTAGATCGGAAGAGCGGTTCAG
chr8	113316900	113316939	CSMD3_4110	-	GTGACCTATGCACCAGACGTACTCTGCTAAACTTATTTCATAAGCTATGTTTGGTTATCGAGATCGGAAGAGCGGTTCAG
chr8	113318186	113318225	CSMD3_4111	-	GTGACCTATGCACCAGACGTCAAGGGAATTTCATCACTTGTTTTTCTCTTGGTATTTTATAGATCGGAAGAGCGGTTCAG
chr8	113323157	113323196	CSMD3_4112	-	GTGACCTATGCACCAGACGTTTATGCCAAAATGAACAAAAACATGAATGTGAGATTAGCAAGATCGGAAGAGCGGTTCAG
chr8	113326085	113326124	CSMD3_4113	-	GTGACCTATGCACCAGACGTCTTATAACTTCAGGACAGATCTCACTATCATCTTCGGTATAGATCGGAAGAGCGGTTCAG
chr8	113326608	113326647	CSMD3_4114	-	GTGACCTATGCACCAGACGTGTTATATTTATTGGATATTCATCAATTAAGTACAAATGTTAGATCGGAAGAGCGGTTCAG
chr8	113331016	113331055	CSMD3_4115	-	GTGACCTATGCACCAGACGTGTTCCTATGATTATTTATTTCTTAAATATTTGCTTTATGTAGATCGGAAGAGCGGTTCAG
chr8	113332080	113332119	CSMD3_4116	-	GTGACCTATGCACCAGACGTTAAATTATTTTCAAGGAAAACATACTGCTGGCAGAACTATAGATCGGAAGAGCGGTTCAG
chr8	113347508	113347547	CSMD3_4117	-	GTGACCTATGCACCAGACGTTCTGAGAGTTCCTATTTCATTTGCTACTGTTTAATTTGTCAGATCGGAAGAGCGGTTCAG
chr8	113348831	113348870	CSMD3_4118	-	GTGACCTATGCACCAGACGTACTATTGTTATTGATTTATTCAATTATATACACAGTAAAAAGATCGGAAGAGCGGTTCAG

chr8	113349722	113349761	CSMD3_4119	-	GTGACCTATGCACCAGACGTAACTTGAAGCTATCTTTTAGGTGATGTCATCTGTTTTTAAAGATCGGAAGAGCGGTTCAG
chr8	113358276	113358315	CSMD3_4120	-	GTGACCTATGCACCAGACGTTAAAAACACGTGAAAGAGCTTTCAATATTTATTAATGTAGAGATCGGAAGAGCGGTTCAG
chr8	113363354	113363393	CSMD3_4121	-	GTGACCTATGCACCAGACGTAGACTATAAAGTATTTACCCTAGAACTTAAAGTGTAAAAAAGATCGGAAGAGCGGTTCAG
chr8	113364595	113364634	CSMD3_4122	-	GTGACCTATGCACCAGACGTTTTAAAGTTGTGGTTTTGATTTTCATGGCCCTTTCAGAATAGATCGGAAGAGCGGTTCAG
chr8	113395746	113395785	CSMD3_4123	-	GTGACCTATGCACCAGACGTGAGCTGAGCTTAATTAAAATACAGATATAATTAGGAATATAGATCGGAAGAGCGGTTCAG
chr8	113402843	113402882	CSMD3_4124	-	GTGACCTATGCACCAGACGTTTAAGTTTTTCTTCTTTTCATTGTATGTGTGTAGTTAATCAGATCGGAAGAGCGGTTCAG
chr8	113418703	113418742	CSMD3_4125	-	GTGACCTATGCACCAGACGTAAATTTGTATGATCTGTGATTATACATAGTTTATATAAAAAGATCGGAAGAGCGGTTCAG
chr8	113420497	113420536	CSMD3_4126	-	GTGACCTATGCACCAGACGTCTGTAGTCTAGAAACACACTAAGGAATGATATAATTTTCCAGATCGGAAGAGCGGTTCAG
chr8	113421098	113421137	CSMD3_4127	-	GTGACCTATGCACCAGACGTATAGAACTGCCATGCATCAGTTACTGATTAAAGACTGACTAGATCGGAAGAGCGGTTCAG
chr8	113484770	113484809	CSMD3_4128	-	GTGACCTATGCACCAGACGTTTCGACTCATTATGTAGTATTTCATCCAGACATGCTTTATAGATCGGAAGAGCGGTTCAG
chr8	113504668	113504707	CSMD3_4129	-	GTGACCTATGCACCAGACGTTATTTTTTGGCTGAATTTTCATGATTAGAAAAAATCAAAAAGATCGGAAGAGCGGTTCAG
chr8	113515969	113516008	CSMD3_4130	-	GTGACCTATGCACCAGACGTACATTCCATGTTAGTATCATGATTTAAATTATAGATATTTAGATCGGAAGAGCGGTTCAG
chr8	113518870	113518909	CSMD3_4131	-	GTGACCTATGCACCAGACGTATATATTTATTTCCACGTTAAAAAAATATATTGTTAGGCCAGATCGGAAGAGCGGTTCAG
chr8	113529213	113529252	CSMD3_4132	-	GTGACCTATGCACCAGACGTAAGAACAATTAAAATTTTATATAAACATAAAACAATGGTTAGATCGGAAGAGCGGTTCAG
chr8	113562850	113562889	CSMD3_4133	-	GTGACCTATGCACCAGACGTTCAAAAAATTTCTTCAATGCAAAATAGGAAGGTGATGTAAAGATCGGAAGAGCGGTTCAG
chr8	113564773	113564812	CSMD3_4134	-	GTGACCTATGCACCAGACGTTTCATTTTCTCAACATTACTAGGGAATCTGAAGTGCCTAAAGATCGGAAGAGCGGTTCAG
chr8	113568942	113568981	CSMD3_4135	-	GTGACCTATGCACCAGACGTGTCATAGATTTTCATTGAATATTTCTGTGAAAACTTTATCAGATCGGAAGAGCGGTTCAG
chr8	113585680	113585719	CSMD3_4136	-	GTGACCTATGCACCAGACGTTAGAAGAGTAAAATGGCCAAACACTGGGGTGCTGCATGTAAGATCGGAAGAGCGGTTCAG
chr8	113648996	113649035	CSMD3_4137	-	GTGACCTATGCACCAGACGTAGCTGCTTTCATTTGCTTGTATGTGTAGTCACTGTCCATGAGATCGGAAGAGCGGTTCAG
chr8	113650875	113650914	CSMD3_4138	-	GTGACCTATGCACCAGACGTAAAAAACAAAAGGGCTCATTCAGTAACTTTTAAAAAAGCAAGATCGGAAGAGCGGTTCAG
chr8	113657288	113657327	CSMD3_4139	-	GTGACCTATGCACCAGACGTTCATGAAATAATAATTGGACTATCTTCTGAATTTTCATTGAGATCGGAAGAGCGGTTCAG
chr8	113662340	113662379	CSMD3_4140	-	GTGACCTATGCACCAGACGTATTTGACATGCAAAATATGCTGATTTATAAACAGAAAAATAGATCGGAAGAGCGGTTCAG
chr8	113668333	113668372	CSMD3_4141	-	GTGACCTATGCACCAGACGTATAAAACTTTTTGATTTCCTCATTCTGTTTGCCCTACTTTAGATCGGAAGAGCGGTTCAG
chr8	113678456	113678495	CSMD3_4142	-	GTGACCTATGCACCAGACGTTATTTTTCCTACTTTTAAAGAAAATATTATCTAAAAGATTAGATCGGAAGAGCGGTTCAG
chr8	113694621	113694660	CSMD3_4143	-	GTGACCTATGCACCAGACGTTAGTGAGTGAGAAATAGAACCTCATCATCATTATGTACAAAGATCGGAAGAGCGGTTCAG
chr8	113697585	113697624	CSMD3_4144	-	GTGACCTATGCACCAGACGTGTTTCTGTTTTTTTCCCATATAATATATTTCTATAAATTTAGATCGGAAGAGCGGTTCAG
chr8	113702047	113702086	CSMD3_4145	-	GTGACCTATGCACCAGACGTAATGCTTTGCTTCCAGATAGCATATGTTACCCTGTCCTTGAGATCGGAAGAGCGGTTCAG
chr8	113812341	113812380	CSMD3_4146	-	GTGACCTATGCACCAGACGTATTTCTACATAGGAAATGTTATCTTAATACCACCAGAGAAAGATCGGAAGAGCGGTTCAG
chr8	113841865	113841904	CSMD3_4147	-	GTGACCTATGCACCAGACGTAATGTTTCATTTTTGCCTTAGCCTATCGGGTACTAATAAAAGATCGGAAGAGCGGTTCAG
chr8	113871324	113871363	CSMD3_4148	-	GTGACCTATGCACCAGACGTACCATCTGTGATTTAAAAAAAAAGTCATAATCATAAAGACAGATCGGAAGAGCGGTTCAG
chr8	113933806	113933845	CSMD3_4149	-	GTGACCTATGCACCAGACGTATAATAATGCCCTCTGAACACATTTTAATAGTTTAACCTTAGATCGGAAGAGCGGTTCAG
chr8	113959969	113960008	CSMD3_4150	-	GTGACCTATGCACCAGACGTAAAATATTGACTTCATTATTTATCTTGTCAAGGTTTATTTAGATCGGAAGAGCGGTTCAG
chr8	113966863	113966902	CSMD3_4151	-	GTGACCTATGCACCAGACGTTTCTTTTTTGTTACTTTCTCTAGTGCAAGAGTGAAGTTTGAGATCGGAAGAGCGGTTCAG
chr8	113988016	113988055	CSMD3_4152	-	GTGACCTATGCACCAGACGTTTATTTTACTTGTGCCCATTTAGTTACAGCCAAAGCTATAAGATCGGAAGAGCGGTTCAG
chr8	114031246	114031285	CSMD3_4153	-	GTGACCTATGCACCAGACGTGGAATACCTTTGCCTCTTTTGATATGTAAAATAATTTTGGAGATCGGAAGAGCGGTTCAG
chr8	114110935	114110974	CSMD3_4154	-	GTGACCTATGCACCAGACGTAGCTTCTATTAACCTTGCATTGATGTTGTTGAAGCAAACTAGATCGGAAGAGCGGTTCAG
chr8	114185901	114185940	CSMD3_4155	-	GTGACCTATGCACCAGACGTAACACTTTAAAAATGAGAGTTGTTATCAGCCAGTGTATTTAGATCGGAAGAGCGGTTCAG
chr8	114290771	114290810	CSMD3_4156	-	GTGACCTATGCACCAGACGTGTAGTGGCAAACAAACCACTGCCCTTAATGTAATCTAACAAGATCGGAAGAGCGGTTCAG
chr8	114326750	114326789	CSMD3_4157	-	GTGACCTATGCACCAGACGTTTTGAATGGAAGACTGGAGAGAAAATATTTCCTGGGTAAAAGATCGGAAGAGCGGTTCAG
chr8	114388917	114388956	CSMD3_4158	-	GTGACCTATGCACCAGACGTTGGCTCTTAGGCTCCTTGCGCCGAACCTTTCGGTCCTTGTAGATCGGAAGAGCGGTTCAG
chr8	114448856	114448895	CSMD3_4159	-	GTGACCTATGCACCAGACGTTTTGGGGGTCCCCTCCGCTTTGGATGGAGGTGGGCTGACTAGATCGGAAGAGCGGTTCAG
chr19	1969722	1969761	CSNK1G2_4160	-	GTGACCTATGCACCAGACGTTACCCTGGCCTCTCCACGGTGACTCTGCTGCCGTGCAAATAGATCGGAAGAGCGGTTCAG
chr19	1978254	1978293	CSNK1G2_4161	-	GTGACCTATGCACCAGACGTAGAGACCATCAGCACCGCCAGCGCAGGGCCCACCTAGCCCAGATCGGAAGAGCGGTTCAG
chr19	1978391	1978430	CSNK1G2_4162	-	GTGACCTATGCACCAGACGTAAGAGCGAGTCACCAGGGGACCGGGTCGCTGCCCTGAAATAGATCGGAAGAGCGGTTCAG
chr19	1978551	1978590	CSNK1G2_4163	-	GTGACCTATGCACCAGACGTGGACAGACGCACGGGCGTGCGGCGGCAGCCCCCTCCCTGCAGATCGGAAGAGCGGTTCAG
chr19	1979268	1979307	CSNK1G2_4164	-	GTGACCTATGCACCAGACGTCTGTGGTCAGCCTTGCTCCCGCCCTGCGTCCCCGCCCGCCAGATCGGAAGAGCGGTTCAG
chr19	1979701	1979740	CSNK1G2_4165	-	GTGACCTATGCACCAGACGTGGGAGCAGGGGTCAGGATGGGCTGCAGCGCCGGTTCCCATAGATCGGAAGAGCGGTTCAG
chr19	1979860	1979899	CSNK1G2_4166	-	GTGACCTATGCACCAGACGTCAGTAGGGGGTCACGCTGGCCGCCCATGCCCCTCCCTGGGAGATCGGAAGAGCGGTTCAG
chr19	1980098	1980137	CSNK1G2_4167	-	GTGACCTATGCACCAGACGTCAGTGGCTCAGGTAGGAGGACCGGGGTGCAGGGCGGGGGCAGATCGGAAGAGCGGTTCAG
chr5	138117564	138117603	CTNNA1_4168	-	GTGACCTATGCACCAGACGTGAAACAAAAAGTCAGTCAGGCAAACATCAAACACAAACATAGATCGGAAGAGCGGTTCAG
chr5	138118816	138118855	CTNNA1_4169	-	GTGACCTATGCACCAGACGTCATTTTTAACATTAAACTGGAGTCAATTAAAATGACAAACAGATCGGAAGAGCGGTTCAG
chr5	138145677	138145716	CTNNA1_4170	-	GTGACCTATGCACCAGACGTGAATGAAAAACAAACTCAGCAAGAATGAACTCAAATAACTAGATCGGAAGAGCGGTTCAG
chr5	138147822	138147861	CTNNA1_4171	-	GTGACCTATGCACCAGACGTAGAAAGACCCCAAAACCCAAAAATTCTGAATGTAGGTCTGAGATCGGAAGAGCGGTTCAG
chr5	138160169	138160208	CTNNA1_4172	-	GTGACCTATGCACCAGACGTAAATAAAACAAGAAATTGGAGCACTCTTTATATGGGCTTTAGATCGGAAGAGCGGTTCAG
chr5	138163154	138163193	CTNNA1_4173	-	GTGACCTATGCACCAGACGTAGTATTACCGAATGTTAGTACTCATCTCTGTTCCCTTCTTAGATCGGAAGAGCGGTTCAG
chr5	138221851	138221890	CTNNA1_4174	-	GTGACCTATGCACCAGACGTGGAAAAGAGATGAGCATTTTATTCATTTACAAAGAAACCTAGATCGGAAGAGCGGTTCAG
chr5	138223129	138223168	CTNNA1_4175	-	GTGACCTATGCACCAGACGTAATTGTAAAAATTTGATTTTATTTCTACCAAAAAGGTATTAGATCGGAAGAGCGGTTCAG
chr5	138239988	138240027	CTNNA1_4176	-	GTGACCTATGCACCAGACGTAAAAAATAATCTTTAAAGATTTTTCTCTTTTGACTGCTAAAGATCGGAAGAGCGGTTCAG

chr5	138253381	138253420	CTNNA1_4177	-	GTGACCTATGCACCAGACGTTATTAAACTTCACTGTTTACTCTTTTTCAGAGTCATGGCTAGATCGGAAGAGCGGTTCAG
chr5	138260149	138260188	CTNNA1_4178	-	GTGACCTATGCACCAGACGTAGCAAAAAGTTGAATGAGGAAGGAGGCTTTCTATGAAAAGAGATCGGAAGAGCGGTTCAG
chr5	138260895	138260934	CTNNA1_4179	-	GTGACCTATGCACCAGACGTAGAGGCACAGTAGATACCCTGGTCAGCAGGCAGCATCATTAGATCGGAAGAGCGGTTCAG
chr5	138264885	138264924	CTNNA1_4180	-	GTGACCTATGCACCAGACGTGACAAAGATCACAGGTCAGACACATCTCTGGGCCACCAGCAGATCGGAAGAGCGGTTCAG
chr5	138266112	138266151	CTNNA1_4181	-	GTGACCTATGCACCAGACGTAAGCACAAAGAGCTCTTACATAAAAAGAATATGAAGTTCTAGATCGGAAGAGCGGTTCAG
chr5	138266469	138266508	CTNNA1_4182	-	GTGACCTATGCACCAGACGTGGAAGAGAACAAGGATTATTGTATGTGAAGCCCCTCACAGAGATCGGAAGAGCGGTTCAG
chr5	138268217	138268256	CTNNA1_4183	-	GTGACCTATGCACCAGACGTAGCAGGCTTAACACCAAGTATCCTGGCCTGGCCCAAGCACAGATCGGAAGAGCGGTTCAG
chr5	138269441	138269480	CTNNA1_4184	-	GTGACCTATGCACCAGACGTGACAGGGGTGGTAAGAAGCACCGGCCTGACCTCCAGCCTCAGATCGGAAGAGCGGTTCAG
chr2	38297815	38297854	CYP1B1_4185	-	GTGACCTATGCACCAGACGTGCAAGCTGAAATTTTAGAAATATTCACATCTTCGGAGATGAGATCGGAAGAGCGGTTCAG
chr2	38301439	38301478	CYP1B1_4186	-	GTGACCTATGCACCAGACGTTGGGAGGCGTGGGCCAGGTCTTTTCTCCTCTGAAAAAGGCAGATCGGAAGAGCGGTTCAG
chr2	38298109	38298148	CYP1B1_4187	-	GTGACCTATGCACCAGACGTGCCTCATCAACAAGGACCTGACCAGCAGAGTGATGATTTTAGATCGGAAGAGCGGTTCAG
chr2	38301786	38301825	CYP1B1_4188	-	GTGACCTATGCACCAGACGTGCGCGGGCAGCCTGGTGGACGTGATGCCCTGGCTGCAGTAAGATCGGAAGAGCGGTTCAG
chr2	38302133	38302172	CYP1B1_4189	-	GTGACCTATGCACCAGACGTCGCCTCCTTCCGTGTGGTGTCCGGCGGCCGCAGCATGGCTAGATCGGAAGAGCGGTTCAG
chr11	47236638	47236677	DDB2_4190	-	GTGACCTATGCACCAGACGTGTGTGAAGGGGTACTGTGCTCTATGCGAAGATCATGGAGGAGATCGGAAGAGCGGTTCAG
chr11	47237837	47237876	DDB2_4191	-	GTGACCTATGCACCAGACGTGAACAGACATATTTTCCTCTCCAATCTCACGAAAGGTTTTAGATCGGAAGAGCGGTTCAG
chr11	47238359	47238398	DDB2_4192	-	GTGACCTATGCACCAGACGTGAGAAATGAATTAGGTTGAATTAAAACCCAAGTTCTGGGTAGATCGGAAGAGCGGTTCAG
chr11	47254315	47254354	DDB2_4193	-	GTGACCTATGCACCAGACGTGAAGGAAAAAGCCAGTGAGTGATGATGGGCCTGGCCGTGAAGATCGGAAGAGCGGTTCAG
chr11	47256258	47256297	DDB2_4194	-	GTGACCTATGCACCAGACGTGAGCTCGGTTCAGGTGGGGACACAGAACCGAGGTGGGGGTAGATCGGAAGAGCGGTTCAG
chr11	47256771	47256810	DDB2_4195	-	GTGACCTATGCACCAGACGTGAAAAGCCCCTGAGCTGAAGGAACCACAAGCCCTCTGTGGAGATCGGAAGAGCGGTTCAG
chr11	47259338	47259377	DDB2_4196	-	GTGACCTATGCACCAGACGTGAGAGGCCGGCCATGAGGGTAAACACAGAACATGATCAAGAGATCGGAAGAGCGGTTCAG
chr11	47259639	47259678	DDB2_4197	-	GTGACCTATGCACCAGACGTAAGAGTGTCAACATGAGGAGAGGGTGAAGGTATTAGCAGAAGATCGGAAGAGCGGTTCAG
chr11	47260301	47260340	DDB2_4198	-	GTGACCTATGCACCAGACGTTGAGACCAGTCTGACTTACACTTTCTGTTACCAATCTCTCAGATCGGAAGAGCGGTTCAG
chr7	137075916	137075955	DGKI_4199	-	GTGACCTATGCACCAGACGTCGGGCAAAGAGGACATGAGCAAGCGTATCACATCTGCCCTAGATCGGAAGAGCGGTTCAG
chr7	137080294	137080333	DGKI_4200	-	GTGACCTATGCACCAGACGTGAGTGAGTGCAAACATCCTCCCGCTGGGCGAGATCGCAGGAGATCGGAAGAGCGGTTCAG
chr7	137082073	137082112	DGKI_4201	-	GTGACCTATGCACCAGACGTCCTTTTATTACATAGTCTAGGTTATTTTCTTCAGAACATAAGATCGGAAGAGCGGTTCAG
chr7	137092571	137092610	DGKI_4202	-	GTGACCTATGCACCAGACGTATAGTGAACTTACCAAGGATCACTTACCTGTGAAATCCATAGATCGGAAGAGCGGTTCAG
chr7	137096866	137096905	DGKI_4203	-	GTGACCTATGCACCAGACGTTTCCTACCAAATCTTTGGCGATGCTTTAAGAACTTTAAATAGATCGGAAGAGCGGTTCAG
chr7	137128773	137128812	DGKI_4204	-	GTGACCTATGCACCAGACGTTCTGTCTTATTTATACCAATTCAGGATTGAAACTTGACCCAGATCGGAAGAGCGGTTCAG
chr7	137148185	137148224	DGKI_4205	-	GTGACCTATGCACCAGACGTTCTTGCTGTTCTTTTCCTCTGTGCCACTGTGATTGCTGGGAGATCGGAAGAGCGGTTCAG
chr7	137150604	137150643	DGKI_4206	-	GTGACCTATGCACCAGACGTTTCTCCTGGCCTGTGAGGCTGGCCTTAGGGTGACATCCATAGATCGGAAGAGCGGTTCAG
chr7	137151598	137151637	DGKI_4207	-	GTGACCTATGCACCAGACGTTTCCAGCCTGCTTGTGAAAGTGAAAAATTCCCAAGTTAATAGATCGGAAGAGCGGTTCAG
chr7	137154246	137154285	DGKI_4208	-	GTGACCTATGCACCAGACGTCCTTTCTTGCGGGTATCGTGGGAGTTGGGGAAGTTGAAGAAGATCGGAAGAGCGGTTCAG
chr7	137170070	137170109	DGKI_4209	-	GTGACCTATGCACCAGACGTATTGACTCTCCTTGTTTCTTACCTTCTGGCCAAATGAAGTAGATCGGAAGAGCGGTTCAG
chr7	137172306	137172345	DGKI_4210	-	GTGACCTATGCACCAGACGTTTAGCCAATTTTTTATTCTCCTCAACTTTCCATTTTTGTAAGATCGGAAGAGCGGTTCAG
chr7	137206562	137206601	DGKI_4211	-	GTGACCTATGCACCAGACGTAGTGCCTCATTGATTTCATGCGATCAGCCTATCTTCAGCTAGATCGGAAGAGCGGTTCAG
chr7	137237065	137237104	DGKI_4212	-	GTGACCTATGCACCAGACGTTCATGGCCTACCTTGCTTAACATGAAGACCTTGGAGAGGAAGATCGGAAGAGCGGTTCAG
chr7	137255871	137255910	DGKI_4213	-	GTGACCTATGCACCAGACGTTAACTGTTTTATTAAAATGAAATGTATTTTAGTCACAGAGAGATCGGAAGAGCGGTTCAG
chr7	137257461	137257500	DGKI_4214	-	GTGACCTATGCACCAGACGTTTTGTATTGTTTCCTTGGTTTGACGTGAACTCTGACTTGAAGATCGGAAGAGCGGTTCAG
chr7	137261918	137261957	DGKI_4215	-	GTGACCTATGCACCAGACGTAATATGTTGATTTATTTAATTTGAATATGATATGACTGCCAGATCGGAAGAGCGGTTCAG
chr7	137262966	137263005	DGKI_4216	-	GTGACCTATGCACCAGACGTATTTTATTTCATAATTACTACATATTACTTATTGCCAATTAGATCGGAAGAGCGGTTCAG
chr7	137266546	137266585	DGKI_4217	-	GTGACCTATGCACCAGACGTCGTCCCATTTCCATCTCCCAGGGAGGAAGTTTCTAGCAGGAGATCGGAAGAGCGGTTCAG
chr7	137269905	137269944	DGKI_4218	-	GTGACCTATGCACCAGACGTTTTTTGTTCTGCAGAAAGGAGCCCTGGAGCATCTGCCTGAAGATCGGAAGAGCGGTTCAG
chr7	137271793	137271832	DGKI_4219	-	GTGACCTATGCACCAGACGTCTCTCGGGGACTGCCCATATCATCAAACAACAAACCGGATAGATCGGAAGAGCGGTTCAG
chr7	137282543	137282582	DGKI_4220	-	GTGACCTATGCACCAGACGTGAGAGAGAATCCAGTTCTCTGCCAATTCTATCTTTCTTATAGATCGGAAGAGCGGTTCAG
chr7	137284519	137284558	DGKI_4221	-	GTGACCTATGCACCAGACGTAAATATTCTCCATGGTCCATATGTATTTTAGGCAAGTGAGAGATCGGAAGAGCGGTTCAG
chr7	137293662	137293701	DGKI_4222	-	GTGACCTATGCACCAGACGTTTTCATGATTTTCAACTTAGAAGTTTTGATAATTTCTTGAAGATCGGAAGAGCGGTTCAG
chr7	137304520	137304559	DGKI_4223	-	GTGACCTATGCACCAGACGTGGACTCTGGTGCTGCTGGGCCAGTGCAGAGAAAAATGAACAGATCGGAAGAGCGGTTCAG
chr7	137308179	137308218	DGKI_4224	-	GTGACCTATGCACCAGACGTGATGAAATAAAGCAATGTGGGCTCATGTTTTGTCGAAATAAGATCGGAAGAGCGGTTCAG
chr7	137330168	137330207	DGKI_4225	-	GTGACCTATGCACCAGACGTAGCCACCTCATGGCCTCGCAGGAGGCTCCCCAGGCCTCTGAGATCGGAAGAGCGGTTCAG
chr7	137339428	137339467	DGKI_4226	-	GTGACCTATGCACCAGACGTCAGAGCTTGATTTCAAGTATCACCTTTGATTTCTCATTGAAGATCGGAAGAGCGGTTCAG
chr7	137341162	137341201	DGKI_4227	-	GTGACCTATGCACCAGACGTGCCCCCTGCTGCAGTTTTGTTACATTGCAAGTATTTGGTCAGATCGGAAGAGCGGTTCAG
chr7	137363253	137363292	DGKI_4228	-	GTGACCTATGCACCAGACGTGCTCCGTCTTGCTGGGGGAAGGCCTGTGGATCTGAATGAAAGATCGGAAGAGCGGTTCAG
chr7	137374590	137374629	DGKI_4229	-	GTGACCTATGCACCAGACGTGCCTTTTCATTTAAACATCACTTCAGTGCATGTTTTGTGTAGATCGGAAGAGCGGTTCAG
chr7	137531158	137531197	DGKI_4230	-	GTGACCTATGCACCAGACGTGGAGCCGGCAGCCGAGACAGGTGCGCCGCGGCGGGAGACCAGATCGGAAGAGCGGTTCAG
chr6	10983964	10984003	ELOVL2_4231	-	GTGACCTATGCACCAGACGTCAGAAAAAGCACATATACTAGCCTAACAGATTGGCTTGTTAGATCGGAAGAGCGGTTCAG
chr6	10990501	10990540	ELOVL2_4232	-	GTGACCTATGCACCAGACGTCCTTCTTTTAGCTTTTCTCCATGTGGCTTATGGATGGGGAAGATCGGAAGAGCGGTTCAG
chr6	10995190	10995229	ELOVL2_4233	-	GTGACCTATGCACCAGACGTTTGTTAATTTTTCCGTTTTGAGGAATGGCTCTTAGAGACCAGATCGGAAGAGCGGTTCAG
chr6	11000270	11000309	ELOVL2_4234	-	GTGACCTATGCACCAGACGTAGAAGCAAATCAACCAACTATAACCAGTTCCCATTGACAAAGATCGGAAGAGCGGTTCAG

chr6	11005555	11005594	ELOVL2_4235	-	GTGACCTATGCACCAGACGTATGTAGCCAAAGCTGAAGTCCAGTAACTAGCAGTTTTTATAGATCGGAAGAGCGGTTCAG
chr6	11010929	11010968	ELOVL2_4236	-	GTGACCTATGCACCAGACGTTACTTGAGAACTTAATGTGGAAGGAACACAGGAAGAACACAGATCGGAAGAGCGGTTCAG
chr6	11044411	11044450	ELOVL2_4237	-	GTGACCTATGCACCAGACGTCCGCGCGCCGCCACCGACACCGCCGCGCTTTCTTTCTCTCAGATCGGAAGAGCGGTTCAG
chr12	132445115	132445154	EP400_4238	-	GTGACCTATGCACCAGACGTCTTCTGTATCCAATGTGTCGTTCTCCTAAAAATTAAAATTAGATCGGAAGAGCGGTTCAG
chr12	132464192	132464231	EP400_4239	-	GTGACCTATGCACCAGACGTAAAAGATGAAAAAATGAGATTTTGATCACTGAAGGCCATTAGATCGGAAGAGCGGTTCAG
chr12	132466588	132466627	EP400_4240	-	GTGACCTATGCACCAGACGTAGAAAAGTGCCAAAAGCACTGATTCCCAAGTGTGGCAGCTAGATCGGAAGAGCGGTTCAG
chr12	132471009	132471048	EP400_4241	-	GTGACCTATGCACCAGACGTAGGGCACAAGTGGAGCAAGGTGAAGAAAAGATGTCGGGGCAGATCGGAAGAGCGGTTCAG
chr12	132472200	132472239	EP400_4242	-	GTGACCTATGCACCAGACGTTACATGGGGGATGGTGGGGTCGGCATGTGATGAGTGTGTTAGATCGGAAGAGCGGTTCAG
chr12	132474459	132474498	EP400_4243	-	GTGACCTATGCACCAGACGTAAAGTGCAAGAATTGTATGTTGTACTCTATGTCATGCTGGAGATCGGAAGAGCGGTTCAG
chr12	132475131	132475170	EP400_4244	-	GTGACCTATGCACCAGACGTAGGATTAAATGAATAAGCACATTACTAAGGATGGGAATTAAGATCGGAAGAGCGGTTCAG
chr12	132475902	132475941	EP400_4245	-	GTGACCTATGCACCAGACGTAAGGAGCACAGTTCGTTCCCAAGGCCCCCCATGCTTGGCGAGATCGGAAGAGCGGTTCAG
chr12	132476668	132476707	EP400_4246	-	GTGACCTATGCACCAGACGTAGAAAGAAAAACCACAAGCATGAGATCCAAACACTCAGAAAGATCGGAAGAGCGGTTCAG
chr12	132479362	132479401	EP400_4247	-	GTGACCTATGCACCAGACGTTATCAGCAAGTGTCACTGAGAGGCAACACCACTTGAGTGTAGATCGGAAGAGCGGTTCAG
chr12	132489572	132489611	EP400_4248	-	GTGACCTATGCACCAGACGTTTGCGGGCAGAAGGGCTGTTACTTTATAACAACAACTGTAAGATCGGAAGAGCGGTTCAG
chr12	132490607	132490646	EP400_4249	-	GTGACCTATGCACCAGACGTAATAAAACAGAGAAGTGAGGGCCACTGAGAAGGCTTTATAAGATCGGAAGAGCGGTTCAG
chr12	132491195	132491234	EP400_4250	-	GTGACCTATGCACCAGACGTGAACAAATAAAAGAATGACAGCTCGTCAAAATAATCACCCAGATCGGAAGAGCGGTTCAG
chr12	132495993	132496032	EP400_4251	-	GTGACCTATGCACCAGACGTAAAAACAGAATTTTCCACGTCAAAGTATCTGTCATGTCCAAGATCGGAAGAGCGGTTCAG
chr12	132497504	132497543	EP400_4252	-	GTGACCTATGCACCAGACGTGAGAGGACAGCTCAGTGCCTTCACACTCCACTGTCTTTCAAGATCGGAAGAGCGGTTCAG
chr12	132497985	132498024	EP400_4253	-	GTGACCTATGCACCAGACGTGACAAGAGACAACACTGGAGTTCTACAGCCACGGGGCTGGAGATCGGAAGAGCGGTTCAG
chr12	132498272	132498311	EP400_4254	-	GTGACCTATGCACCAGACGTAAACTGTTTACTGTTTTCTTTCCAAAAATGCTGCTGTAACAGATCGGAAGAGCGGTTCAG
chr12	132502030	132502069	EP400_4255	-	GTGACCTATGCACCAGACGTAGAAAGAAACACGAAGCATTCAATCCAAACGGCACATGGAAGATCGGAAGAGCGGTTCAG
chr12	132502705	132502744	EP400_4256	-	GTGACCTATGCACCAGACGTAAAGAAAAAAAGTCTTGCTGCATGAAGAGGCAAAAAAAGCAGATCGGAAGAGCGGTTCAG
chr12	132504544	132504583	EP400_4257	-	GTGACCTATGCACCAGACGTATTGGTCCAGGCAAGAAGATACAGAGCATCAGACCACAGAAGATCGGAAGAGCGGTTCAG
chr12	132505574	132505613	EP400_4258	-	GTGACCTATGCACCAGACGTTAAGGTTTGTTTGTGCAAAGCTGTTAGAGGTTCTTAATAAAGATCGGAAGAGCGGTTCAG
chr12	132508272	132508311	EP400_4259	-	GTGACCTATGCACCAGACGTGTAGAGGAAAAGGTGAATTCAGATCATTTTGGAAAAAATTAGATCGGAAGAGCGGTTCAG
chr12	132510141	132510180	EP400_4260	-	GTGACCTATGCACCAGACGTAGGTCCACTAGGTGTCAATGACAGGCATGTGTACATCACAAGATCGGAAGAGCGGTTCAG
chr12	132511932	132511971	EP400_4261	-	GTGACCTATGCACCAGACGTATAAAGGAAGAGGTGAAAAGGAACGCCAAGTTCACAGGATAGATCGGAAGAGCGGTTCAG
chr12	132512512	132512551	EP400_4262	-	GTGACCTATGCACCAGACGTAAGTGATGAAAAACAGTTACTTGAGAAACAGAATGACAAGAGATCGGAAGAGCGGTTCAG
chr12	132514196	132514235	EP400_4263	-	GTGACCTATGCACCAGACGTGAAAGCATGTTTTGTCACCACCAGGAGCCACACACCTTCAAGATCGGAAGAGCGGTTCAG
chr12	132514484	132514523	EP400_4264	-	GTGACCTATGCACCAGACGTAATCACATCAAGAGCGCCTCATCATCCAGGGCCGGTGCAGAGATCGGAAGAGCGGTTCAG
chr12	132516448	132516487	EP400_4265	-	GTGACCTATGCACCAGACGTACAAAACACAGGAGTTAGTATTCTTGGAAAATGTTGGGAAAGATCGGAAGAGCGGTTCAG
chr12	132522177	132522216	EP400_4266	-	GTGACCTATGCACCAGACGTAAGATGTAAGATGCTAAGTCAGTCACCAGGAAACACAGTGAGATCGGAAGAGCGGTTCAG
chr12	132522448	132522487	EP400_4267	-	GTGACCTATGCACCAGACGTAGATGTGTGTTACTCCCCAGTACAAGGTCCAAGTGTGCATAGATCGGAAGAGCGGTTCAG
chr12	132527799	132527838	EP400_4268	-	GTGACCTATGCACCAGACGTTCTATGTTTAGATTGCCTTGATAGACTTTTTAAATGAGGGAGATCGGAAGAGCGGTTCAG
chr12	132528140	132528179	EP400_4269	-	GTGACCTATGCACCAGACGTAGTATATTTTTTGAATAGGGTTAATAGCAAGTTAATAAAAAGATCGGAAGAGCGGTTCAG
chr12	132528672	132528711	EP400_4270	-	GTGACCTATGCACCAGACGTGAGCAGCAAGAACTTTCAGGATCAGGAGTGCAGCTCAGAGAGATCGGAAGAGCGGTTCAG
chr12	132529166	132529205	EP400_4271	-	GTGACCTATGCACCAGACGTCACGGCAAGCTCTGACTTCCACCAAGTCTCAGTGTCATGTAGATCGGAAGAGCGGTTCAG
chr12	132529295	132529334	EP400_4272	-	GTGACCTATGCACCAGACGTAAGGGAAGGCCCATGAGATGTGGAACTCACAGGAAGCTGCAGATCGGAAGAGCGGTTCAG
chr12	132529814	132529853	EP400_4273	-	GTGACCTATGCACCAGACGTAGGCAGTCTTCAGCAAGAGAGTAAACCAGGAGATTCCACAAGATCGGAAGAGCGGTTCAG
chr12	132530222	132530261	EP400_4274	-	GTGACCTATGCACCAGACGTAGATTTCAGGTAAAACAGGTGAATACACTCTAAGTCAGAAAGATCGGAAGAGCGGTTCAG
chr12	132534818	132534857	EP400_4275	-	GTGACCTATGCACCAGACGTATTGACGAGAGTGCATCTGAATTAGGCAGCATGGACAGACAGATCGGAAGAGCGGTTCAG
chr12	132535094	132535133	EP400_4276	-	GTGACCTATGCACCAGACGTGACAGTGAGACAGCAATTATTAAATAAAGGAAATATCTGAAGATCGGAAGAGCGGTTCAG
chr12	132537641	132537680	EP400_4277	-	GTGACCTATGCACCAGACGTGACGCAAAGGTTAAAAACATACAGGCAAGTTTTAAGACAGAGATCGGAAGAGCGGTTCAG
chr12	132537838	132537877	EP400_4278	-	GTGACCTATGCACCAGACGTAGGAAGGAAGAGGAGCCACTGGAGGGGCAGACTCGGCCTGAGATCGGAAGAGCGGTTCAG
chr12	132539594	132539633	EP400_4279	-	GTGACCTATGCACCAGACGTAGGCGGGCATAAGGCAACAGCGCCAGGAGAAATGGGGTCCAGATCGGAAGAGCGGTTCAG
chr12	132546605	132546644	EP400_4280	-	GTGACCTATGCACCAGACGTCAAACAGAGGACCTCATCAAATATTTCACACAGCACTCAGAGATCGGAAGAGCGGTTCAG
chr12	132546961	132547000	EP400_4281	-	GTGACCTATGCACCAGACGTGTTTGCTCATTAGGTCTGGACAGGGATACTCGCCCACCTTAGATCGGAAGAGCGGTTCAG
chr12	132549163	132549202	EP400_4282	-	GTGACCTATGCACCAGACGTAGCAAAGTATCTTCTCTTCAACATTAACTGTGCTCCATTCAGATCGGAAGAGCGGTTCAG
chr12	132551269	132551308	EP400_4283	-	GTGACCTATGCACCAGACGTGAAATAATGGGAGAGTCCAGAGAAATTCAGGACACGGTATAGATCGGAAGAGCGGTTCAG
chr12	132551857	132551896	EP400_4284	-	GTGACCTATGCACCAGACGTCAAAAGCCCCTTAGTCAGCACACTGGGAAAAGAGCTTGAGAGATCGGAAGAGCGGTTCAG
chr12	132553990	132554029	EP400_4285	-	GTGACCTATGCACCAGACGTACTGCGAAATTAGGGCCGCAGAGACCATGCCGCGCTCAAGAGATCGGAAGAGCGGTTCAG
chr12	132561011	132561050	EP400_4286	-	GTGACCTATGCACCAGACGTACAAAAAAAGCCAAACATACAATTCAAAGGAGTATGTGCAAGATCGGAAGAGCGGTTCAG
chr12	132561896	132561935	EP400_4287	-	GTGACCTATGCACCAGACGTAGAGTCAGAAAACACACATTGCCCAGGAAACTCAGTCCAGAGATCGGAAGAGCGGTTCAG
chr12	132445560	132445599	EP400_4288	-	GTGACCTATGCACCAGACGTCTGCCCCGGCCCCGGACTGGGCTGCGTGGGACTCTGGGTCAGATCGGAAGAGCGGTTCAG
chr12	132446005	132446044	EP400_4289	-	GTGACCTATGCACCAGACGTAGCCCAGGGGCCGGGGCAGCGGCGGCCCCTGCAGCACCTGAGATCGGAAGAGCGGTTCAG
chr1	22895732	22895771	EPHA8_4290	-	GTGACCTATGCACCAGACGTGGAGACAAGAGGGCATCAGGCCCCTCTGACTTCTCCCCAGAGATCGGAAGAGCGGTTCAG
chr1	22902660	22902699	EPHA8_4291	-	GTGACCTATGCACCAGACGTAGAGAACACAGCCACTACAGCAGAGCCAGCACCTCACCCTAGATCGGAAGAGCGGTTCAG
chr1	22912923	22912962	EPHA8_4292	-	GTGACCTATGCACCAGACGTGAAGGCGGCTGCACATGAGCCAGCAGGGCCACCCTGGCTGAGATCGGAAGAGCGGTTCAG

chr1	22915314	22915353	EPHA8_4293	-	GTGACCTATGCACCAGACGTAGGATGACAGATGGGGCAGTGGTTATTTATTTGGGCTGTCAGATCGGAAGAGCGGTTCAG
chr1	22919769	22919808	EPHA8_4294	-	GTGACCTATGCACCAGACGTCAATCCCGTCAGATGGGCGGAGGGGAGACAAGGCGTGGCCAGATCGGAAGAGCGGTTCAG
chr1	22919967	22920006	EPHA8_4295	-	GTGACCTATGCACCAGACGTACGGTGGTCAGTGGGCCCTGCCCTGCTGGCCCAGCCCCTCAGATCGGAAGAGCGGTTCAG
chr1	22921673	22921712	EPHA8_4296	-	GTGACCTATGCACCAGACGTAAGCCAGGGTTGGGGGACCAGGCTCTCAGCCCTGGCCTTGAGATCGGAAGAGCGGTTCAG
chr1	22922549	22922588	EPHA8_4297	-	GTGACCTATGCACCAGACGTGGGCACCGCCCTGCCTGAGGCCAGGCCACCCCTAGCCCGGAGATCGGAAGAGCGGTTCAG
chr1	22923755	22923794	EPHA8_4298	-	GTGACCTATGCACCAGACGTGGAGGAGGGCCTTCAGTGGGGCCCAGGAGAGATTGCTTTTAGATCGGAAGAGCGGTTCAG
chr1	22924119	22924158	EPHA8_4299	-	GTGACCTATGCACCAGACGTCGAGAGGGGCAGGTGTGGAGGGAGGGCAGTGGGACCCTCAAGATCGGAAGAGCGGTTCAG
chr1	22924594	22924633	EPHA8_4300	-	GTGACCTATGCACCAGACGTAGTAGGGAGAGGGTGGCTCTTGGTTTGGGGCTCAGGGCTGAGATCGGAAGAGCGGTTCAG
chr1	22925281	22925320	EPHA8_4301	-	GTGACCTATGCACCAGACGTACATGGCTTGGACTTCAGGAAAGCCCGGGGAGGCGCCTGGAGATCGGAAGAGCGGTTCAG
chr1	22927104	22927143	EPHA8_4302	-	GTGACCTATGCACCAGACGTCACACAAGAGTTGAGGGGCTGCCCAGGCCTGGCAGGGTGTAGATCGGAAGAGCGGTTCAG
chr1	22927341	22927380	EPHA8_4303	-	GTGACCTATGCACCAGACGTTCAGCGCTGGGCTCAGCCGTCCCTCCCTGCACCCTGAGGCAGATCGGAAGAGCGGTTCAG
chr1	22927743	22927782	EPHA8_4304	-	GTGACCTATGCACCAGACGTGGGGCTCTTGGTAAGTGGCCAGAGGGTTCGGGAGGCTGGAAGATCGGAAGAGCGGTTCAG
chr1	22928070	22928109	EPHA8_4305	-	GTGACCTATGCACCAGACGTAGGGTGCTGCTGGCCAGCTGGGCCTGGGAGGCTGGGAGCCAGATCGGAAGAGCGGTTCAG
chr1	22902992	22903031	EPHA8_4306	-	GTGACCTATGCACCAGACGTCACCAAGGTCGGCACCTGTGAAGCTCTCGTCGGCCGCAATAGATCGGAAGAGCGGTTCAG
chr1	22915568	22915607	EPHA8_4307	-	GTGACCTATGCACCAGACGTTAGTTCATGTGGGCCAGCAGGTTGGCCACCAGCAGGCTGGAGATCGGAAGAGCGGTTCAG
chr1	23107864	23107903	EPHB2_4308	-	GTGACCTATGCACCAGACGTAGCAAAGAGTCACCACCCCGCCCCACCTACCAGGCGCTGTAGATCGGAAGAGCGGTTCAG
chr1	23110835	23110874	EPHB2_4309	-	GTGACCTATGCACCAGACGTAATGCTCGTCAGGTGGGGAGGTAAGGGCTCAGCCCCAGCAAGATCGGAAGAGCGGTTCAG
chr1	23189480	23189519	EPHB2_4310	-	GTGACCTATGCACCAGACGTAGACAAGGAGAGTCACCAGGAAACTGGATGAAGACTCAGAAGATCGGAAGAGCGGTTCAG
chr1	23191320	23191359	EPHB2_4311	-	GTGACCTATGCACCAGACGTGGAGAGGTGTTGGTCAGTGGGGGGCTCAGGGGGTACTATTAGATCGGAAGAGCGGTTCAG
chr1	23208802	23208841	EPHB2_4312	-	GTGACCTATGCACCAGACGTGGCCAGAGGTCAGGGATCAGGGAGGCATGAGAAGGTGCAGAGATCGGAAGAGCGGTTCAG
chr1	23219327	23219366	EPHB2_4313	-	GTGACCTATGCACCAGACGTACAGAGAAGAAAATTAGTGAGGTTGTGGCTCATAGTGGGTAGATCGGAAGAGCGGTTCAG
chr1	23221915	23221954	EPHB2_4314	-	GTGACCTATGCACCAGACGTAGCATGGTAGGGCATTCTCAGCCTGGCTGTGGGAGTCGTAAGATCGGAAGAGCGGTTCAG
chr1	23222854	23222893	EPHB2_4315	-	GTGACCTATGCACCAGACGTAGCAAAGGGCTGGAGCCACCTGAAGGCGCCCAGGGAGCTGAGATCGGAAGAGCGGTTCAG
chr1	23222857	23222896	EPHB2_4316	-	GTGACCTATGCACCAGACGTAAGAGCAAAGGGCTGGAGCCACCTGAAGGCGCCCAGGGAGAGATCGGAAGAGCGGTTCAG
chr1	23232430	23232469	EPHB2_4317	-	GTGACCTATGCACCAGACGTAGACCAGGCTCTGTCATATGGACTGACTCAAGATGCACACAGATCGGAAGAGCGGTTCAG
chr1	23233153	23233192	EPHB2_4318	-	GTGACCTATGCACCAGACGTAACACCAAGACAGACAGGATGTCACTTGCCAGGTGGAAGGAGATCGGAAGAGCGGTTCAG
chr1	23234396	23234435	EPHB2_4319	-	GTGACCTATGCACCAGACGTAGTGGGGAAAACACAGAGTAAACAGAAGAGCAGGCATCAGAGATCGGAAGAGCGGTTCAG
chr1	23236825	23236864	EPHB2_4320	-	GTGACCTATGCACCAGACGTGCAGGAGTGCAGTGGGGTTGGGTGGATGGGCTGAGGGCGTAGATCGGAAGAGCGGTTCAG
chr1	23238887	23238926	EPHB2_4321	-	GTGACCTATGCACCAGACGTGGGTGGGCGACAGAGATGGTCAGGGCACCTGTTTGCAGGGAGATCGGAAGAGCGGTTCAG
chr1	23239905	23239944	EPHB2_4322	-	GTGACCTATGCACCAGACGTGAAGCACGTGTGTTAGGGAAATATGCGGGTGAAGGGGTCCAGATCGGAAGAGCGGTTCAG
chr1	23111177	23111216	EPHB2_4323	-	GTGACCTATGCACCAGACGTCCCAGGTCCACCTGGGAGAAGCTCTCGTCGGCTGCAATGGAGATCGGAAGAGCGGTTCAG
chr21	39755275	39755314	ERG_4324	-	GTGACCTATGCACCAGACGTGAGGCTTTTCCCATCAGCGTGCATTCACCAGCCCATCGCCAGATCGGAAGAGCGGTTCAG
chr21	39762867	39762906	ERG_4325	-	GTGACCTATGCACCAGACGTGCTGATGATTTTCTTCTTACAAAATTACTTTTTGGCAGTGAGATCGGAAGAGCGGTTCAG
chr21	39763531	39763570	ERG_4326	-	GTGACCTATGCACCAGACGTGGGGCCGTCTGGATAACCATAAGAGAAGATTCAGGCTCAGAGATCGGAAGAGCGGTTCAG
chr21	39764248	39764287	ERG_4327	-	GTGACCTATGCACCAGACGTGGCTCCCATGACCCTGAGTTTCATGTCACAGGCAGTGGATAGATCGGAAGAGCGGTTCAG
chr21	39772446	39772485	ERG_4328	-	GTGACCTATGCACCAGACGTACCCCTGTGTGATCTCTTCATTGAGAGACATCCCAGATGTAGATCGGAAGAGCGGTTCAG
chr21	39774429	39774468	ERG_4329	-	GTGACCTATGCACCAGACGTCCCCGCCCCTGCCTCCCAGCAAGAGCGTAGGGTCTTACGTAGATCGGAAGAGCGGTTCAG
chr21	39775378	39775417	ERG_4330	-	GTGACCTATGCACCAGACGTCCTTCCTCCAAGGATAGATGGCTGTGGCTATGGTTCTTATAGATCGGAAGAGCGGTTCAG
chr21	39795282	39795321	ERG_4331	-	GTGACCTATGCACCAGACGTCACAGCTTCACTGCCCTCGGCAGATCGCAACTTCCCCAAGAGATCGGAAGAGCGGTTCAG
chr21	39817277	39817316	ERG_4332	-	GTGACCTATGCACCAGACGTTTCCGCCCCTTTCTCTCCCTGACCTCCCATTTTCCTATCCAGATCGGAAGAGCGGTTCAG
chr21	39870237	39870276	ERG_4333	-	GTGACCTATGCACCAGACGTGGTTCCTTTTAATTTGACAAAATCTTGTTCTTGTTACTCTAGATCGGAAGAGCGGTTCAG
chr21	39947536	39947575	ERG_4334	-	GTGACCTATGCACCAGACGTTCTTGGCTGGGAAGCCAGCTCTGCCTTCCTCTGTGCCTAGAGATCGGAAGAGCGGTTCAG
chr21	39755535	39755574	ERG_4335	-	GTGACCTATGCACCAGACGTGGCCCTCCAGCCCCACCCCCCGGAGTCATCTCTGTACAAGAGATCGGAAGAGCGGTTCAG
chr11	44129213	44129252	EXT2_4336	-	GTGACCTATGCACCAGACGTACAGCCTCTTCCTCACACTCCTGGTCACCAGGGAGAGAAAAGATCGGAAGAGCGGTTCAG
chr11	44130694	44130733	EXT2_4337	-	GTGACCTATGCACCAGACGTATTTAAAATGTAGGAGAATTAATGTGTCAACTATGAAAAGAGATCGGAAGAGCGGTTCAG
chr11	44135685	44135724	EXT2_4338	-	GTGACCTATGCACCAGACGTAGTATTTTGTTAAACGATGAGAAAGAAAGGACTTTATTCTAGATCGGAAGAGCGGTTCAG
chr11	44146289	44146328	EXT2_4339	-	GTGACCTATGCACCAGACGTAAAAAACAGGTGATTGGAAAATTGCAGCTGGTATGTTAGTAGATCGGAAGAGCGGTTCAG
chr11	44148316	44148355	EXT2_4340	-	GTGACCTATGCACCAGACGTACAAAGAGGCAAGAGATTACAAACTAGTTTTGCTGATCCAAGATCGGAAGAGCGGTTCAG
chr11	44151545	44151584	EXT2_4341	-	GTGACCTATGCACCAGACGTCAGCAAAACAGTTTACATACACACAGCCCTTCACAGAAAGAGATCGGAAGAGCGGTTCAG
chr11	44193111	44193150	EXT2_4342	-	GTGACCTATGCACCAGACGTAATAATGCTGTTTTAAGTGAGCAAGCGAGACAGAGTGGGAAGATCGGAAGAGCGGTTCAG
chr11	44219329	44219368	EXT2_4343	-	GTGACCTATGCACCAGACGTACAGATTAACACGGGTCAGAAAAGCAGCTGTAACAATATGAGATCGGAAGAGCGGTTCAG
chr11	44228293	44228332	EXT2_4344	-	GTGACCTATGCACCAGACGTAGAAAAGGTATTTACTATTCTCCTAACTTTTGTGAGGAGAAGATCGGAAGAGCGGTTCAG
chr11	44253853	44253892	EXT2_4345	-	GTGACCTATGCACCAGACGTACACATAATAACAATCAAGTCCCAATTCAGACAGCAACCAAGATCGGAAGAGCGGTTCAG
chr11	44255615	44255654	EXT2_4346	-	GTGACCTATGCACCAGACGTAGACAGAAAGAAGAAATATTCAAAAATAGCAGTTCCCTTTAGATCGGAAGAGCGGTTCAG
chr11	44257793	44257832	EXT2_4347	-	GTGACCTATGCACCAGACGTAGGACAAAAACATACCTGGCTGTCAGTGTCAAGGACAATAAGATCGGAAGAGCGGTTCAG
chr11	44265649	44265688	EXT2_4348	-	GTGACCTATGCACCAGACGTTGGAGAGGAGGTGGGGAGGAGGGGTTTGAGCAGAATGAGAAGATCGGAAGAGCGGTTCAG
chr11	44129481	44129520	EXT2_4349	-	GTGACCTATGCACCAGACGTTCTGCAACTGAGATCCCCCCGCTCTGGGATGGGACTGTCGAGATCGGAAGAGCGGTTCAG
chr9	97863939	97863978	FANCC_4350	-	GTGACCTATGCACCAGACGTGGCCGTGTGGGTGCCCGGCGTGAGGGATCAGGCTCGCCAGAGATCGGAAGAGCGGTTCAG

chr9	97869298	97869337	FANCC_4351	-	GTGACCTATGCACCAGACGTCTGTGGTCCAGCATCCTAGTACTCATTTCTGCTCCAGGCGAGATCGGAAGAGCGGTTCAG
chr9	97873695	97873734	FANCC_4352	-	GTGACCTATGCACCAGACGTGGCCCCACTGCATGTGTTTGGGGTGGGCTCTGGGGGGCTGAGATCGGAAGAGCGGTTCAG
chr9	97876861	97876900	FANCC_4353	-	GTGACCTATGCACCAGACGTACTGACCACTCCCAAATCTACTTCACACATGGTTTCCCTAAGATCGGAAGAGCGGTTCAG
chr9	97879547	97879586	FANCC_4354	-	GTGACCTATGCACCAGACGTGTTGACTTTGCCCACATCAGAATGATTTCCTGGGAAGAGCAGATCGGAAGAGCGGTTCAG
chr9	97887318	97887357	FANCC_4355	-	GTGACCTATGCACCAGACGTTCACATATATTACTCATTCATCCCAGAGAATAAGACGCTGAGATCGGAAGAGCGGTTCAG
chr9	97888761	97888800	FANCC_4356	-	GTGACCTATGCACCAGACGTCACTGTTTCTTCTAGTAATTGATGTAAAAAAGGTTCCATTAGATCGGAAGAGCGGTTCAG
chr9	97897578	97897617	FANCC_4357	-	GTGACCTATGCACCAGACGTGGTTTTGATGAAGGGAAAAATCCTTGAAGGAGATGCTTGGAGATCGGAAGAGCGGTTCAG
chr9	97912155	97912194	FANCC_4358	-	GTGACCTATGCACCAGACGTAATGTTTCCTGTCATCCTGCGTCGTTTTTCCTTTTCTTAGAGATCGGAAGAGCGGTTCAG
chr9	97933311	97933350	FANCC_4359	-	GTGACCTATGCACCAGACGTAACTAAACATCCTTCTTCTCAGGTTTCAAAATGTATCAGTAGATCGGAAGAGCGGTTCAG
chr9	97934269	97934308	FANCC_4360	-	GTGACCTATGCACCAGACGTAAAATTTATCACTTTTGAAATGTTTAATGCTGAATGTGCCAGATCGGAAGAGCGGTTCAG
chr9	98002881	98002920	FANCC_4361	-	GTGACCTATGCACCAGACGTAAATCTTGCTCTGCACTTCTTTGAATTAAATTGATTATTTAGATCGGAAGAGCGGTTCAG
chr9	98009664	98009703	FANCC_4362	-	GTGACCTATGCACCAGACGTAAAACGTGTCCTCTCAAAATGGCTATTTTAATCTTTGCATAGATCGGAAGAGCGGTTCAG
chr9	98011359	98011398	FANCC_4363	-	GTGACCTATGCACCAGACGTGACCAGAATAATGAAATTATTTTCTGACTTCAGGGACTCTAGATCGGAAGAGCGGTTCAG
chr9	35074055	35074094	FANCG_4364	-	GTGACCTATGCACCAGACGTTTGAAGAGCTTGAGCTGGGTCCCCAGTGGGCTGTCTCTCTAGATCGGAAGAGCGGTTCAG
chr9	35074318	35074357	FANCG_4365	-	GTGACCTATGCACCAGACGTGGCCTGCTGGCTTGGGGCTGAGGGGCAGTTGGTGTCCTAGAGATCGGAAGAGCGGTTCAG
chr9	35074874	35074913	FANCG_4366	-	GTGACCTATGCACCAGACGTTTGCATGACGTCGGCTATGCATAGATGTGCAAGGACAGAGAGATCGGAAGAGCGGTTCAG
chr9	35075226	35075265	FANCG_4367	-	GTGACCTATGCACCAGACGTCTTTCAGTTTTCCTCTTACCTCCTGGAAGTGGTAGTGGTGAGATCGGAAGAGCGGTTCAG
chr9	35075412	35075451	FANCG_4368	-	GTGACCTATGCACCAGACGTGGTCCTAGAGGGGGTGTGGAGGGATGATTTTCTGATTGGGAGATCGGAAGAGCGGTTCAG
chr9	35075909	35075948	FANCG_4369	-	GTGACCTATGCACCAGACGTCTTCAAGCTTCTCTGCAATGGGGTAGACGGGTTGGTGTCCAGATCGGAAGAGCGGTTCAG
chr9	35076379	35076418	FANCG_4370	-	GTGACCTATGCACCAGACGTCCTTGCTCACCTGAGCTTCTCTTCCCACTTCTGATGCCTCAGATCGGAAGAGCGGTTCAG
chr9	35076671	35076710	FANCG_4371	-	GTGACCTATGCACCAGACGTGCCAGGTGAAGATGTGGGGTGGAGGATTCCTGAGGTGCTTAGATCGGAAGAGCGGTTCAG
chr9	35076918	35076957	FANCG_4372	-	GTGACCTATGCACCAGACGTTCCTAGGGTGGATTGGGGAAACCACAAGCATTATGTATAGAGATCGGAAGAGCGGTTCAG
chr9	35077211	35077250	FANCG_4373	-	GTGACCTATGCACCAGACGTAACCTGACTCATCTCTTCTACCTTTAAGTGGTCCTCCAGAAGATCGGAAGAGCGGTTCAG
chr9	35078088	35078127	FANCG_4374	-	GTGACCTATGCACCAGACGTAAGTGACCTGAAGCTGAGGGTCTCCTCCTTCCTTCCTCCTAGATCGGAAGAGCGGTTCAG
chr9	35078552	35078591	FANCG_4375	-	GTGACCTATGCACCAGACGTGAGATTGTCCCTGATTCCCCTGCCATCTTCAGTCTGGGTTAGATCGGAAGAGCGGTTCAG
chr9	35079098	35079137	FANCG_4376	-	GTGACCTATGCACCAGACGTCCTCCCCAGGATGGTCAGTTCCCCTCTTCCATAGCCAGAGAGATCGGAAGAGCGGTTCAG
chr9	35079388	35079427	FANCG_4377	-	GTGACCTATGCACCAGACGTTGCTGGCACCCTCGGTTTGCAGCCTCAAGATCCCTGAAAGAGATCGGAAGAGCGGTTCAG
chr1	11167492	11167531	MTOR_4378	-	GTGACCTATGCACCAGACGTAGATGTGCCCATCACGTTTTTTCTGAGGCTTTTGTACTTTAGATCGGAAGAGCGGTTCAG
chr1	11168188	11168227	MTOR_4379	-	GTGACCTATGCACCAGACGTCTCTCAAAGTGACTTTGTTAAAATAAGCAATCAGGTCCCAAGATCGGAAGAGCGGTTCAG
chr1	11169297	11169336	MTOR_4380	-	GTGACCTATGCACCAGACGTCATGTGTTTACTTAAAAGGGACATAAAATCTGAGCACACTAGATCGGAAGAGCGGTTCAG
chr1	11169656	11169695	MTOR_4381	-	GTGACCTATGCACCAGACGTCCTCTGAGGAACCGCACCAGTGACTAGCTCATTAAGAAAAAGATCGGAAGAGCGGTTCAG
chr1	11172859	11172898	MTOR_4382	-	GTGACCTATGCACCAGACGTCCACGGGAGGTCGCAAAGGCTCTCCCCCTTGTGCAGAGTGAGATCGGAAGAGCGGTTCAG
chr1	11174820	11174859	MTOR_4383	-	GTGACCTATGCACCAGACGTATCGGGAACGAGCTGCTTCCAAATGGGATCAGGACAGTTAAGATCGGAAGAGCGGTTCAG
chr1	11175403	11175442	MTOR_4384	-	GTGACCTATGCACCAGACGTGTTCTAGAACCCCAACCTCATCTTCCCGGGTGATCACTTTAGATCGGAAGAGCGGTTCAG
chr1	11177011	11177050	MTOR_4385	-	GTGACCTATGCACCAGACGTTAATTTGGTTTTTTTAGTCTTCTTTCTCCATTGTAGTTTTAGATCGGAAGAGCGGTTCAG
chr1	11181253	11181292	MTOR_4386	-	GTGACCTATGCACCAGACGTGGGCCCTGCAGACCTGCGCTCTCCTGGAACCCCCACTCGCAGATCGGAAGAGCGGTTCAG
chr1	11181986	11182025	MTOR_4387	-	GTGACCTATGCACCAGACGTCGGCCACGAGAGCTAGTGCCCCTTCCGTGGCAGGGAATCTAGATCGGAAGAGCGGTTCAG
chr1	11184505	11184544	MTOR_4388	-	GTGACCTATGCACCAGACGTACCCTGAAATGGCAACAATTTGAGAAGTCTTCTGGTTTTTAGATCGGAAGAGCGGTTCAG
chr1	11186629	11186668	MTOR_4389	-	GTGACCTATGCACCAGACGTTTGTGCACTTCTGTCACCCACTTCTCCCTCCTACACTGGCAGATCGGAAGAGCGGTTCAG
chr1	11187017	11187056	MTOR_4390	-	GTGACCTATGCACCAGACGTCAGGCTCCTGGCAGGGTTAACTGTCATTATAGTCCTTTCTAGATCGGAAGAGCGGTTCAG
chr1	11187631	11187670	MTOR_4391	-	GTGACCTATGCACCAGACGTAAAAACACGAAAGGACATAACCCTGTAGAAATATTCTGCCAGATCGGAAGAGCGGTTCAG
chr1	11188011	11188050	MTOR_4392	-	GTGACCTATGCACCAGACGTGCCACTGTGGGGCTTCATAGACCCTGGTCCCTTAGCTGGTAGATCGGAAGAGCGGTTCAG
chr1	11188461	11188500	MTOR_4393	-	GTGACCTATGCACCAGACGTACTCTGGGCAGTTTCTCATCTAACCACTGGTTTGGTGGTCAGATCGGAAGAGCGGTTCAG
chr1	11188862	11188901	MTOR_4394	-	GTGACCTATGCACCAGACGTTTGGTTACAGGTGAAGGTGGCTCCAAGTCTCTCTTCTGTGAGATCGGAAGAGCGGTTCAG
chr1	11189745	11189784	MTOR_4395	-	GTGACCTATGCACCAGACGTAGGGAAGGATGCAACTCTGGTAGGCCATGTTAATGGCAAGAGATCGGAAGAGCGGTTCAG
chr1	11190536	11190575	MTOR_4396	-	GTGACCTATGCACCAGACGTCTTCTTCCTTATTAACAACCAACCAAGGTGCCAGGCTCTCAGATCGGAAGAGCGGTTCAG
chr1	11193087	11193126	MTOR_4397	-	GTGACCTATGCACCAGACGTGCAGGCCACCTGTGAGACCCAGCACCCTGGCTGGCTCGTGAGATCGGAAGAGCGGTTCAG
chr1	11194358	11194397	MTOR_4398	-	GTGACCTATGCACCAGACGTCACTGACCTGGGGCAAGTCATATTCCAGCCCTGTCATCCCAGATCGGAAGAGCGGTTCAG
chr1	11199311	11199350	MTOR_4399	-	GTGACCTATGCACCAGACGTCAATGCATCCAGAACAGACCACCTTCTCCAGAATGCTCGCAGATCGGAAGAGCGGTTCAG
chr1	11199540	11199579	MTOR_4400	-	GTGACCTATGCACCAGACGTACCACCCACCCACATGGGCAGGTAGGGCCCCATGGTGTCCAGATCGGAAGAGCGGTTCAG
chr1	11204655	11204694	MTOR_4401	-	GTGACCTATGCACCAGACGTTAGAAAGCCCCAGTTCACCCACCTACCCCTACCCCTTCCAAGATCGGAAGAGCGGTTCAG
chr1	11204975	11205014	MTOR_4402	-	GTGACCTATGCACCAGACGTACTATTCTGCACATTGTCATTTTTGAGGCTTATTTCCATAAGATCGGAAGAGCGGTTCAG
chr1	11206683	11206722	MTOR_4403	-	GTGACCTATGCACCAGACGTACATGCACCCAGATCTCTCAGTGAGGAAAAGATTGTAGTGAGATCGGAAGAGCGGTTCAG
chr1	11210133	11210172	MTOR_4404	-	GTGACCTATGCACCAGACGTCCTCACAGGCACCCTGTGAAGGATGGGGTGAGTGAGGCTAAGATCGGAAGAGCGGTTCAG
chr1	11217159	11217198	MTOR_4405	-	GTGACCTATGCACCAGACGTTAGAATGATGGCATGTGTGGCTGCAAGAGACTTCGTCTCTAGATCGGAAGAGCGGTTCAG
chr1	11227449	11227488	MTOR_4406	-	GTGACCTATGCACCAGACGTCATTCTTTTTGGAAAAGCAGGAGGTAGAGACTTGGCTAGGAGATCGGAAGAGCGGTTCAG
chr1	11259265	11259304	MTOR_4407	-	GTGACCTATGCACCAGACGTAACCCTTTTTAATTGCTGCCTTCATGCAAAATGACCTCTCAGATCGGAAGAGCGGTTCAG
chr1	11259548	11259587	MTOR_4408	-	GTGACCTATGCACCAGACGTTCCCCATTGTCCAGATGGAGGCTGACAGGGAACCAGCTGGAGATCGGAAGAGCGGTTCAG

chr1	11264568	11264607	MTOR_4409	-	GTGACCTATGCACCAGACGTTCAGGGCGGGTGGAGAAGATCAGCACATAGAAAACGATATAGATCGGAAGAGCGGTTCAG
chr1	11269319	11269358	MTOR_4410	-	GTGACCTATGCACCAGACGTTGTTTCAGGTGACTGGGAAAGGAGAGCTCTGCTCTTCTCAAGATCGGAAGAGCGGTTCAG
chr1	11270821	11270860	MTOR_4411	-	GTGACCTATGCACCAGACGTCTTCTTTTCTGTTCTGAAGTCCCTGTTGTCTTTACTACTTAGATCGGAAGAGCGGTTCAG
chr1	11272319	11272358	MTOR_4412	-	GTGACCTATGCACCAGACGTAGTCTGGACAGACAGGTGCTCTTCTGCCTTATTTGGAAAGAGATCGGAAGAGCGGTTCAG
chr1	11272803	11272842	MTOR_4413	-	GTGACCTATGCACCAGACGTCCTCTTTGGGACTAGCAATCTTTAAGCTTTAATGTTTTGTAGATCGGAAGAGCGGTTCAG
chr1	11273406	11273445	MTOR_4414	-	GTGACCTATGCACCAGACGTTACGTCATCCTCCAGAGAGATTTTCTGATTTCCTCTGAGTAGATCGGAAGAGCGGTTCAG
chr1	11276155	11276194	MTOR_4415	-	GTGACCTATGCACCAGACGTGTTAATGCTTTGGCCTCTTCCATGTTTGGGTCAAGGAAGGAGATCGGAAGAGCGGTTCAG
chr1	11288675	11288714	MTOR_4416	-	GTGACCTATGCACCAGACGTCAAACCCCAATCCTTCTCTTTCTCCTCTGCACCACACATGAGATCGGAAGAGCGGTTCAG
chr1	11290932	11290971	MTOR_4417	-	GTGACCTATGCACCAGACGTGGTAGCCATGAAAGACTTGCCAAGTTCTCACTCACAGAGCAGATCGGAAGAGCGGTTCAG
chr1	11291307	11291346	MTOR_4418	-	GTGACCTATGCACCAGACGTTGGCAAACTTGGTCTTTAAAGACTTTGCTGGGACGATGGCAGATCGGAAGAGCGGTTCAG
chr1	11293405	11293444	MTOR_4419	-	GTGACCTATGCACCAGACGTAGCTACTTTTTCCATAGCGGAGATAGGGTGGAAAAGAAACAGATCGGAAGAGCGGTTCAG
chr1	11294150	11294189	MTOR_4420	-	GTGACCTATGCACCAGACGTCCGAGAGGCTGGTGCTTTCTCTGTGCGTTGTCATCAGCTCAGATCGGAAGAGCGGTTCAG
chr1	11297850	11297889	MTOR_4421	-	GTGACCTATGCACCAGACGTTGATGGCCAGACCCACAGGCAGGGAAGACAGGACTCTCGCAGATCGGAAGAGCGGTTCAG
chr1	11298409	11298448	MTOR_4422	-	GTGACCTATGCACCAGACGTCCAGACAGAAGGAATCTAGGGGAGTTAAGGAGCTTAGGACAGATCGGAAGAGCGGTTCAG
chr1	11300310	11300349	MTOR_4423	-	GTGACCTATGCACCAGACGTACAACGGCTCTTGCCAAGATAGTGAGAGATGCTGGAAACTAGATCGGAAGAGCGGTTCAG
chr1	11301560	11301599	MTOR_4424	-	GTGACCTATGCACCAGACGTGAAACCTGAGCTTGCCCTGTATCAGCGTGAGGCTTGGCCCAGATCGGAAGAGCGGTTCAG
chr1	11303121	11303160	MTOR_4425	-	GTGACCTATGCACCAGACGTCTGTTATGATTTCACCTTCCACTCCATTTGGTTGGAGAGGAGATCGGAAGAGCGGTTCAG
chr1	11307632	11307671	MTOR_4426	-	GTGACCTATGCACCAGACGTCCATGGAAGACATCATTACCCATCTCAGGGTAAACAGGGAAGATCGGAAGAGCGGTTCAG
chr1	11307826	11307865	MTOR_4427	-	GTGACCTATGCACCAGACGTAGAGGCCCTTTCCCTCTTTTCCTAAGCTCCACACCTCACTAGATCGGAAGAGCGGTTCAG
chr1	11315999	11316038	MTOR_4428	-	GTGACCTATGCACCAGACGTGGCTCCATTCCCACCACTAGCAAAGCACATCTGCGTAGAGAGATCGGAAGAGCGGTTCAG
chr1	11316940	11316979	MTOR_4429	-	GTGACCTATGCACCAGACGTACAGGGAGGAGCACAGCCAGGCTTGGGGAACGATGGTGTCAGATCGGAAGAGCGGTTCAG
chr1	11318492	11318531	MTOR_4430	-	GTGACCTATGCACCAGACGTAGTCTCTGGTCACAAAAACAACACACTCACCTTTGTGCCCAGATCGGAAGAGCGGTTCAG
chr1	11319255	11319294	MTOR_4431	-	GTGACCTATGCACCAGACGTGATCTGGGGCCAGTCATTGTGGGATGTGTGGGCTAAATGTAGATCGGAAGAGCGGTTCAG
chrX	48649467	48649506	GATA1_4432	-	GTGACCTATGCACCAGACGTGGGATTAACCTGCGAGGACAGAAGGGGTCCTCAGACACAGAGATCGGAAGAGCGGTTCAG
chrX	48650201	48650240	GATA1_4433	-	GTGACCTATGCACCAGACGTCAGGTAGGGATGGAGGAAAGAAGAGGCAAAATCAGTCTAGAGATCGGAAGAGCGGTTCAG
chrX	48650680	48650719	GATA1_4434	-	GTGACCTATGCACCAGACGTGGAGAGGAGAAGAGGGAGCTAGGCTCAGCTCAGCTTTACTAGATCGGAAGAGCGGTTCAG
chrX	48651529	48651568	GATA1_4435	-	GTGACCTATGCACCAGACGTACAGGATGTGAGATCAGTGCCCTGGGGATGTGGAAGTGGGAGATCGGAAGAGCGGTTCAG
chrX	48652150	48652189	GATA1_4436	-	GTGACCTATGCACCAGACGTGGAGGCTGCGGGTGTCCCCAACTCCAGACCTTTGCCTCTCAGATCGGAAGAGCGGTTCAG
chr3	155588610	155588649	GMPS_4437	-	GTGACCTATGCACCAGACGTGCCGGAGCCGCGGCGGTGACGGCGACAGTACGAGACGGGGAGATCGGAAGAGCGGTTCAG
chr3	155611257	155611296	GMPS_4438	-	GTGACCTATGCACCAGACGTCAATACAAATACAAAGTCTTAATTATGAAAATTAAAGCTAAGATCGGAAGAGCGGTTCAG
chr3	155615666	155615705	GMPS_4439	-	GTGACCTATGCACCAGACGTAGGAACAATCAGTGAAGAATCTCTGTTAATTTTTATACAAAGATCGGAAGAGCGGTTCAG
chr3	155621602	155621641	GMPS_4440	-	GTGACCTATGCACCAGACGTAAAAAAATTAATGTTAATAGAAATCAAAAGAAAAATACCCAGATCGGAAGAGCGGTTCAG
chr3	155623899	155623938	GMPS_4441	-	GTGACCTATGCACCAGACGTAAAAAATAAAACACACAAATATCTTAATTAAAAACATGATAGATCGGAAGAGCGGTTCAG
chr3	155628431	155628470	GMPS_4442	-	GTGACCTATGCACCAGACGTAAAATAGTCACAAATTAAAATTTTTTCATGCTGAAAAGACAGATCGGAAGAGCGGTTCAG
chr3	155628853	155628892	GMPS_4443	-	GTGACCTATGCACCAGACGTAAATGAAAAATCAAAATGAGCAAAACAAGCAAAAAGAAAAAGATCGGAAGAGCGGTTCAG
chr3	155632158	155632197	GMPS_4444	-	GTGACCTATGCACCAGACGTGGGGAGAAGCGTTTTAAATTGGTATAACATGTTTTTTAATAGATCGGAAGAGCGGTTCAG
chr3	155633758	155633797	GMPS_4445	-	GTGACCTATGCACCAGACGTCAGGAGTAAAACAGCCTTGTAAGAGATAACTTTTTTTAAAAGATCGGAAGAGCGGTTCAG
chr3	155636972	155637011	GMPS_4446	-	GTGACCTATGCACCAGACGTGAAAGAAGCCAACCAATATAAACTAGTAACCAAGATGACAAGATCGGAAGAGCGGTTCAG
chr3	155642980	155643019	GMPS_4447	-	GTGACCTATGCACCAGACGTCCAAAGAGGCATTTTTTCAGTTTTAAGAAATAAGGTATTCAGATCGGAAGAGCGGTTCAG
chr3	155649504	155649543	GMPS_4448	-	GTGACCTATGCACCAGACGTAAAGATAATCAATAATTTTTAATAGTCAAAAGATACACCAAGATCGGAAGAGCGGTTCAG
chr3	155652655	155652694	GMPS_4449	-	GTGACCTATGCACCAGACGTAGAGGTAAAAATAATACAGCAATTACATTTCAAATGTAGAAGATCGGAAGAGCGGTTCAG
chr3	155654077	155654116	GMPS_4450	-	GTGACCTATGCACCAGACGTGTATATGTAGAACCAATCACCACACCATAGAAAAGCACTCAGATCGGAAGAGCGGTTCAG
chr3	155655330	155655369	GMPS_4451	-	GTGACCTATGCACCAGACGTAAATTATAGAGAAAAGTCAGCATCCACTGCATGTCCAGCAAGATCGGAAGAGCGGTTCAG
chrX	132670102	132670141	GPC3_4452	-	GTGACCTATGCACCAGACGTCCCAGCACATGTGCTGCCCTACAGCACCCTGTGGTCTTCCAGATCGGAAGAGCGGTTCAG
chrX	132730418	132730457	GPC3_4453	-	GTGACCTATGCACCAGACGTAGTGCTGACCCAAATGTAATCTAAAAATGGTGATGCTCAGAGATCGGAAGAGCGGTTCAG
chrX	132826347	132826386	GPC3_4454	-	GTGACCTATGCACCAGACGTTTGAAAGTTACATATAGCAATATTTGAGGAATAATTGTCAAGATCGGAAGAGCGGTTCAG
chrX	132833873	132833912	GPC3_4455	-	GTGACCTATGCACCAGACGTTCTTTTTTCTTTATTCCACAATACAATTAACAATTGTATTAGATCGGAAGAGCGGTTCAG
chrX	132887459	132887498	GPC3_4456	-	GTGACCTATGCACCAGACGTGTCTACAGTTGTCAGAGGATTTGGGCCTTATTGGGGTGAGAGATCGGAAGAGCGGTTCAG
chrX	133087027	133087066	GPC3_4457	-	GTGACCTATGCACCAGACGTGGGATTATTTTAGATGTGCTGCTTAGTGGCATCATTATTTAGATCGGAAGAGCGGTTCAG
chrX	133119252	133119291	GPC3_4458	-	GTGACCTATGCACCAGACGTGTCCCTTGAGCGTGCCTAGCGCCCAGCGGGGAGCAAGGCGAGATCGGAAGAGCGGTTCAG
chrX	132887806	132887845	GPC3_4459	-	GTGACCTATGCACCAGACGTTCTGAATCTTGGAATTGAAGTGATCAACACAACTGATCACAGATCGGAAGAGCGGTTCAG
chr2	239974743	239974782	HDAC4_4460	-	GTGACCTATGCACCAGACGTAAGCTGCTGTTCTCTTGTCTGTCTGTCTCTGTCTTGAAGCAGATCGGAAGAGCGGTTCAG
chr2	239975106	239975145	HDAC4_4461	-	GTGACCTATGCACCAGACGTGCCCTGCCGCCCGCCTGCAGGCTCACCCAGCCCCACTGTGAGATCGGAAGAGCGGTTCAG
chr2	239976395	239976434	HDAC4_4462	-	GTGACCTATGCACCAGACGTTGGCTGGGTGCTCACAGGGGACACGCCCCTGGGGGTGGGAAGATCGGAAGAGCGGTTCAG
chr2	239988368	239988407	HDAC4_4463	-	GTGACCTATGCACCAGACGTCCCAGAGACCCCACAGGATGCTCCACACTGACAGGCTCGGAGATCGGAAGAGCGGTTCAG
chr2	239990135	239990174	HDAC4_4464	-	GTGACCTATGCACCAGACGTCTGCATATGACTGAGGAGCCGGTTCTGCTCATGTCCATGAAGATCGGAAGAGCGGTTCAG
chr2	240002741	240002780	HDAC4_4465	-	GTGACCTATGCACCAGACGTCGGCTTCACATGACACCTGAAGTAGCAGCTTTTCCTCTGTAGATCGGAAGAGCGGTTCAG
chr2	240003748	240003787	HDAC4_4466	-	GTGACCTATGCACCAGACGTTATATAAGGGCCTCTGGGGGGAAAGGGGGACTGCGGGGAGAGATCGGAAGAGCGGTTCAG

chr2	240005801	240005840	HDAC4_4467	-	GTGACCTATGCACCAGACGTCCGCCTTGGCCAGCGCAGCTCAGGTTGCTCCTTTGCCGTCAGATCGGAAGAGCGGTTCAG
chr2	240009205	240009244	HDAC4_4468	-	GTGACCTATGCACCAGACGTGCCGCAGCCCCGCACAGCAGGGGAACCCAGGTCTTCCTTCAGATCGGAAGAGCGGTTCAG
chr2	240011655	240011694	HDAC4_4469	-	GTGACCTATGCACCAGACGTGCCTGGACAGTGGTGGCCCTCCAGGAGGCCTGCCATAGATAGATCGGAAGAGCGGTTCAG
chr2	240016656	240016695	HDAC4_4470	-	GTGACCTATGCACCAGACGTCTTTAATGTGTAAATAATGTCCTGTTTCTTCTCGAGTCCCAGATCGGAAGAGCGGTTCAG
chr2	240024422	240024461	HDAC4_4471	-	GTGACCTATGCACCAGACGTACCTTCCTTTCCTCCCATATTGGGTTTGAAGTCCCCTGAGAGATCGGAAGAGCGGTTCAG
chr2	240029696	240029735	HDAC4_4472	-	GTGACCTATGCACCAGACGTCCGGGGCAGGTGGGCAGCTGCGGCTTTGGGCACCATTAGAAGATCGGAAGAGCGGTTCAG
chr2	240033172	240033211	HDAC4_4473	-	GTGACCTATGCACCAGACGTGCCTTTGTGCAGCCTGAGGGTGCAACGCGGGCCACAGTGGAGATCGGAAGAGCGGTTCAG
chr2	240036699	240036738	HDAC4_4474	-	GTGACCTATGCACCAGACGTGCGGGGAGGGCACCAGAAGGCTGGCACGCACAGCCACCCTAGATCGGAAGAGCGGTTCAG
chr2	240048102	240048141	HDAC4_4475	-	GTGACCTATGCACCAGACGTCGGCTCAGCGCTCCCAGGCCCCAGGGCGGCTGTGTGCTGTAGATCGGAAGAGCGGTTCAG
chr2	240055891	240055930	HDAC4_4476	-	GTGACCTATGCACCAGACGTATGGGCCTGGGTGCAGCCAGGCTCTGAGGCTGCCCACGCTAGATCGGAAGAGCGGTTCAG
chr2	240056173	240056212	HDAC4_4477	-	GTGACCTATGCACCAGACGTCCCCGTGGGTCCGTGTGGTGTGGGGTGGTGGTGATGGGTCAGATCGGAAGAGCGGTTCAG
chr2	240061330	240061369	HDAC4_4478	-	GTGACCTATGCACCAGACGTAGCGTTTGTCCTGTGTCCTACGGCTAGAGTCGGACTCGGGAGATCGGAAGAGCGGTTCAG
chr2	240066229	240066268	HDAC4_4479	-	GTGACCTATGCACCAGACGTTGAGCAGGTACACCCGCCCCGCTGCCCTCTCTGCCAGGCCAGATCGGAAGAGCGGTTCAG
chr2	240078298	240078337	HDAC4_4480	-	GTGACCTATGCACCAGACGTAGGCATGCTGTGGGCCGGGAGGTCTCCTGCACGGGCACCTAGATCGGAAGAGCGGTTCAG
chr2	240085449	240085488	HDAC4_4481	-	GTGACCTATGCACCAGACGTGTGTGGGGAGCACCCCGGCCTCCTCTCTGGGGGCCCAGAGAGATCGGAAGAGCGGTTCAG
chr2	240111479	240111518	HDAC4_4482	-	GTGACCTATGCACCAGACGTGTGCGGGGCTGCGGGTGGGCCAGGCCTCCGGCACCCTCAAAGATCGGAAGAGCGGTTCAG
chr2	240158239	240158278	HDAC4_4483	-	GTGACCTATGCACCAGACGTCCACCCCTGCCCTGTCCGGCCGGCCCTGCGCTGAGCCAAAAGATCGGAAGAGCGGTTCAG
chr2	240274323	240274362	HDAC4_4484	-	GTGACCTATGCACCAGACGTGTCATTTCTTCTCTGGGCACACAGCGGGGCTTTCTTTGCCAGATCGGAAGAGCGGTTCAG
chr6	34208508	34208547	HMGA1_4485	-	GTGACCTATGCACCAGACGTCTAAGGAGCAGGTGGAAGAGTGATGGCTGGGATGCTGGGAAGATCGGAAGAGCGGTTCAG
chr6	34210439	34210478	HMGA1_4486	-	GTGACCTATGCACCAGACGTAGAGGGGGTAGTCAGGGACAGTCATCACCTGTTTCCACCCAGATCGGAAGAGCGGTTCAG
chr6	34211195	34211234	HMGA1_4487	-	GTGACCTATGCACCAGACGTAGAGAAAATATCTCCTAAGTCCAAAATGCTCATCAGTGCTAGATCGGAAGAGCGGTTCAG
chr6	34212558	34212597	HMGA1_4488	-	GTGACCTATGCACCAGACGTGGCAGTTGTTGGTGTGAGCTCTGGCCCGGTCCCCCTCTTCAGATCGGAAGAGCGGTTCAG
chr2	176972034	176972073	HOXD11_4489	-	GTGACCTATGCACCAGACGTCGTGCGCGCCAGCGAGCCTCTGGCCGCTCCCCGCGCAGCCAGATCGGAAGAGCGGTTCAG
chr2	176973585	176973624	HOXD11_4490	-	GTGACCTATGCACCAGACGTAAGAGACCAGGGGGTGAGAGAGGCCGCTGCCTGACAGCCCAGATCGGAAGAGCGGTTCAG
chr2	209101753	209101792	IDH1_4491	-	GTGACCTATGCACCAGACGTGAGCTAAGAAGGATAATTGTCTTTTGGTAACTAGGTCTACAGATCGGAAGAGCGGTTCAG
chr2	209103745	209103784	IDH1_4492	-	GTGACCTATGCACCAGACGTGATGCCCTAGTTTCTATGGTCAAATTAACACTTATCCTCAAGATCGGAAGAGCGGTTCAG
chr2	209104537	209104576	IDH1_4493	-	GTGACCTATGCACCAGACGTGTTTACATTGATTTCTCACCAGAGAGTGCTCTCCAAAGCAAGATCGGAAGAGCGGTTCAG
chr2	209106668	209106707	IDH1_4494	-	GTGACCTATGCACCAGACGTGGAGCCTGGCCTGTAGGAACAGGGTCATTCCAGGGTAGTTAGATCGGAAGAGCGGTTCAG
chr2	209108101	209108140	IDH1_4495	-	GTGACCTATGCACCAGACGTTTCTTTTTTAACTTTTTCTTTATTCTCAAGTAAGCTGACAAGATCGGAAGAGCGGTTCAG
chr2	209109993	209110032	IDH1_4496	-	GTGACCTATGCACCAGACGTCTGTAGCATAAGCTTCTTTTTTTTTTAAACAAATGATTTAAGATCGGAAGAGCGGTTCAG
chr2	209113043	209113082	IDH1_4497	-	GTGACCTATGCACCAGACGTTTGGCAATAATGTGATTTTGCATGTTTTTTTTTTCATGGCAGATCGGAAGAGCGGTTCAG
chr15	99250741	99250780	IGF1R_4498	-	GTGACCTATGCACCAGACGTACAAGAGGGTAAACGTCTCAGTTAGAAGGAAATAATTTTTAGATCGGAAGAGCGGTTCAG
chr15	99434504	99434543	IGF1R_4499	-	GTGACCTATGCACCAGACGTAGAGGAGAGACGGAGATGAGACCGGGCAGGGGAGGCACCGAGATCGGAAGAGCGGTTCAG
chr15	99439936	99439975	IGF1R_4500	-	GTGACCTATGCACCAGACGTAGAAAAAAAAAATCAAAAACACACATAATTGAGTCTGTCTAGATCGGAAGAGCGGTTCAG
chr15	99442656	99442695	IGF1R_4501	-	GTGACCTATGCACCAGACGTAGGGGATTGTGTCACTGTGTGCTCACTTGGTGTAAGGGTGAGATCGGAAGAGCGGTTCAG
chr15	99451864	99451903	IGF1R_4502	-	GTGACCTATGCACCAGACGTAGAAATCGATGTTAGCGCACCTGCCCTTGGCCACAGTCCCAGATCGGAAGAGCGGTTCAG
chr15	99454494	99454533	IGF1R_4503	-	GTGACCTATGCACCAGACGTGAGTACATCCGTGAGTGACAGAGATTCATGTGTCTCTGAAAGATCGGAAGAGCGGTTCAG
chr15	99456223	99456262	IGF1R_4504	-	GTGACCTATGCACCAGACGTATTAAGTTCAGAGAAAGTTCGGGGCTCTGACATCAAAACCAGATCGGAAGAGCGGTTCAG
chr15	99459143	99459182	IGF1R_4505	-	GTGACCTATGCACCAGACGTGAACAAAGAACATTCTAGAAAATGAAATGAACTTAAGAGTAGATCGGAAGAGCGGTTCAG
chr15	99459851	99459890	IGF1R_4506	-	GTGACCTATGCACCAGACGTAAGAAAAGCCAAAACAAGAGTGGGAATGAAAGCCGTTATAAGATCGGAAGAGCGGTTCAG
chr15	99465327	99465366	IGF1R_4507	-	GTGACCTATGCACCAGACGTGAGAGAAATGTGGCTTTTAAGTACTTTTACCTCTTTTGTCAGATCGGAAGAGCGGTTCAG
chr15	99467055	99467094	IGF1R_4508	-	GTGACCTATGCACCAGACGTTAAACAGGTGACAAAGTTGGATTTGGGTTCCCAGGGAGGGAGATCGGAAGAGCGGTTCAG
chr15	99467704	99467743	IGF1R_4509	-	GTGACCTATGCACCAGACGTAAAACATACATGTCAATTTCCCATGAATGCAGGAGAAATCAGATCGGAAGAGCGGTTCAG
chr15	99472737	99472776	IGF1R_4510	-	GTGACCTATGCACCAGACGTGAGGAGGAAATGATAAAATATCACCAGGTGAACAATTTGCAGATCGGAAGAGCGGTTCAG
chr15	99473414	99473453	IGF1R_4511	-	GTGACCTATGCACCAGACGTGATTAAATTCACGTTAACAAAACCCCACCTCCATACATTCAGATCGGAAGAGCGGTTCAG
chr15	99478003	99478042	IGF1R_4512	-	GTGACCTATGCACCAGACGTAACCGTAATTAAAGCAGGTACAGAAACAAGCCCTTAGACAAGATCGGAAGAGCGGTTCAG
chr15	99478495	99478534	IGF1R_4513	-	GTGACCTATGCACCAGACGTTCAAAAAGAGAAAGACTCAGAGGGTCAGGTGGCCCTTGCTAGATCGGAAGAGCGGTTCAG
chr15	99482380	99482419	IGF1R_4514	-	GTGACCTATGCACCAGACGTTTTAAAAAAATTCACATGAGAATTTTGGATTTTTTTTTTCAGATCGGAAGAGCGGTTCAG
chr15	99486102	99486141	IGF1R_4515	-	GTGACCTATGCACCAGACGTAGAGAGGGCGCAGAGTCACACGCTGGAGCAGGCACCACTGAGATCGGAAGAGCGGTTCAG
chr15	99491753	99491792	IGF1R_4516	-	GTGACCTATGCACCAGACGTAAAAAAACTGTGAGGAGCTTGGAAAGGGATGGACTGAACAAGATCGGAAGAGCGGTTCAG
chr15	99500240	99500279	IGF1R_4517	-	GTGACCTATGCACCAGACGTGACACACGGGAGGGGGTCCAAACCGGGAGGGCGCACATGGAGATCGGAAGAGCGGTTCAG
chr15	99251014	99251053	IGF1R_4518	-	GTGACCTATGCACCAGACGTGATGACCAGGGCGTAGTTGTAGAAGAGTTTCCAGCCGCGGAGATCGGAAGAGCGGTTCAG
chr7	45954369	45954408	IGFBP3_4519	-	GTGACCTATGCACCAGACGTCAAGGGTGAGTACTCAGGAGGGGCAGCCTGGGGCTCCAGGAGATCGGAAGAGCGGTTCAG
chr7	45956097	45956136	IGFBP3_4520	-	GTGACCTATGCACCAGACGTTCCTCAGTGTGTTTTCTTCCTCTTCTGTTGACACAGAGGAAGATCGGAAGAGCGGTTCAG
chr7	45956762	45956801	IGFBP3_4521	-	GTGACCTATGCACCAGACGTTTCCTCTTGTTAAAGGAGGAGGGCAAGACCTGCCAAGCCTAGATCGGAAGAGCGGTTCAG
chr7	45960269	45960308	IGFBP3_4522	-	GTGACCTATGCACCAGACGTTGCAGCACCCGGCGCACTGGCGCCGAAGGGCCTGGGGGTTAGATCGGAAGAGCGGTTCAG
chr7	45960287	45960326	IGFBP3_4523	-	GTGACCTATGCACCAGACGTCGCGCCAGGTGCGCTGCGTGCAGCACCCGGCGCACTGGCGAGATCGGAAGAGCGGTTCAG
chr3	123813635	123813674	KALRN_4524	-	GTGACCTATGCACCAGACGTACTCATCCTTCACAGCCAGTCCCCTCGGCAGAGCCTCATCAGATCGGAAGAGCGGTTCAG

chr3	123946787	123946826	KALRN_4525	-	GTGACCTATGCACCAGACGTACAAACCAGAAGGAATCAGGGTGAGAGGAGCCAGCTGGCTAGATCGGAAGAGCGGTTCAG
chr3	123953626	123953665	KALRN_4526	-	GTGACCTATGCACCAGACGTGAGGAAGAGAAGAGTGTTTAAGAAAACCAGTCAGAAAGGAAGATCGGAAGAGCGGTTCAG
chr3	123983295	123983334	KALRN_4527	-	GTGACCTATGCACCAGACGTGTCAGAGGTCGGTATGGTCACTCTGGGTAGCTGAGACTTTAGATCGGAAGAGCGGTTCAG
chr3	123987540	123987579	KALRN_4528	-	GTGACCTATGCACCAGACGTCAGACACAGACAAGGATACTCAGTGATGTCAGGGGAAGAAAGATCGGAAGAGCGGTTCAG
chr3	124017588	124017627	KALRN_4529	-	GTGACCTATGCACCAGACGTCAAGAAGGCACAGCATAATCAGAATGGTCATGGGTCGAATAGATCGGAAGAGCGGTTCAG
chr3	124044777	124044816	KALRN_4530	-	GTGACCTATGCACCAGACGTAAGGAGAGTGCTCAGTGGGGCAGGCTCAAAAGACATCCACAGATCGGAAGAGCGGTTCAG
chr3	124048658	124048697	KALRN_4531	-	GTGACCTATGCACCAGACGTATGCAGGGTGGATCAGTGGGGGAGCACTGGGGGTGAGGAGAGATCGGAAGAGCGGTTCAG
chr3	124053062	124053101	KALRN_4532	-	GTGACCTATGCACCAGACGTGAGAGAAGTTTAAGTTAAGGGAAAAGGGTGATAGGCAGGGAGATCGGAAGAGCGGTTCAG
chr3	124065940	124065979	KALRN_4533	-	GTGACCTATGCACCAGACGTAAGGATAACAGCAACAATGACTTTCTAGCAGAAGGAAAGAAGATCGGAAGAGCGGTTCAG
chr3	124103642	124103681	KALRN_4534	-	GTGACCTATGCACCAGACGTCAACAGTGAGGCAAAGTCAAGTTGCAGTCGCGCCTTCCAGAGATCGGAAGAGCGGTTCAG
chr3	124113932	124113971	KALRN_4535	-	GTGACCTATGCACCAGACGTAGAGCAGAGATTCCACTCAGGGAAGATGGGAGAGGCCAGGAGATCGGAAGAGCGGTTCAG
chr3	124117494	124117533	KALRN_4536	-	GTGACCTATGCACCAGACGTGTGGGGAGAAAAAAGGGAGGGAGAGGCCTTTCCATGTTAAAGATCGGAAGAGCGGTTCAG
chr3	124132267	124132306	KALRN_4537	-	GTGACCTATGCACCAGACGTACCACTGTCATCAGCACAGGCTCACCAGGTCCACGAGAGAAGATCGGAAGAGCGGTTCAG
chr3	124141609	124141648	KALRN_4538	-	GTGACCTATGCACCAGACGTAAAAATGGAAACAATTAAAAACCAGCTAGTACTGTGAAGGAGATCGGAAGAGCGGTTCAG
chr3	124149453	124149492	KALRN_4539	-	GTGACCTATGCACCAGACGTGGGACAAGCACACAGGTGAATGGCCTTCCGCAGTTTCCCCAGATCGGAAGAGCGGTTCAG
chr3	124153104	124153143	KALRN_4540	-	GTGACCTATGCACCAGACGTGGAGAGGAGAGAAAGGTCCGTGGGAACAACCCAGGCGTGGAGATCGGAAGAGCGGTTCAG
chr3	124157685	124157724	KALRN_4541	-	GTGACCTATGCACCAGACGTATGGAAGAAAAGACTCAGTAAATTAATTATTCAGGAATTAAGATCGGAAGAGCGGTTCAG
chr3	124160742	124160781	KALRN_4542	-	GTGACCTATGCACCAGACGTCAAAGCTGTGAGGCCCCTGTCCCAGCAGGTGTATGGAATCAGATCGGAAGAGCGGTTCAG
chr3	124164958	124164997	KALRN_4543	-	GTGACCTATGCACCAGACGTAGGAGATGCATGATGGTCACAAGGGGCTCTGAGCAAATCCAGATCGGAAGAGCGGTTCAG
chr3	124165560	124165599	KALRN_4544	-	GTGACCTATGCACCAGACGTAAACAACTCATCCAGTCCCCAAAAAGGCAGCTGTCAGTAGAGATCGGAAGAGCGGTTCAG
chr3	124173974	124174013	KALRN_4545	-	GTGACCTATGCACCAGACGTAGATGGCCTTAAGTTACTGGATTACATTTATTCTCCTGCCAGATCGGAAGAGCGGTTCAG
chr3	124175407	124175446	KALRN_4546	-	GTGACCTATGCACCAGACGTAGGGATCACAAAGGTCACCTTGTGATGCTTTGGGAAAGCAAGATCGGAAGAGCGGTTCAG
chr3	124180687	124180726	KALRN_4547	-	GTGACCTATGCACCAGACGTACAAATGGGCTTTTACTTGGATATAGATATAATGTCTCTCAGATCGGAAGAGCGGTTCAG
chr3	124181321	124181360	KALRN_4548	-	GTGACCTATGCACCAGACGTGTAACAGTTTCATCACTGGCAAGTCTGGCAGGCCATATAAAGATCGGAAGAGCGGTTCAG
chr3	124193460	124193499	KALRN_4549	-	GTGACCTATGCACCAGACGTAGAAAAAGACTGAATCAGACACCTCTGTGCAGCTGACCCCAGATCGGAAGAGCGGTTCAG
chr3	124196042	124196081	KALRN_4550	-	GTGACCTATGCACCAGACGTCAAAGATAATAATAGATAAGCATTCATTAGTTGTTCCCTTAGATCGGAAGAGCGGTTCAG
chr3	124201605	124201644	KALRN_4551	-	GTGACCTATGCACCAGACGTGAGAACAATGTGCAATTAGACACAGAGGGGTGTGTGCATGAGATCGGAAGAGCGGTTCAG
chr3	124207001	124207040	KALRN_4552	-	GTGACCTATGCACCAGACGTAAAAGTCCGGACATAATTAGGGCCATCTCCCCCAGCTTCCAGATCGGAAGAGCGGTTCAG
chr3	124209491	124209530	KALRN_4553	-	GTGACCTATGCACCAGACGTTCCATTTCCACCCTGTGGAGTTTCTCTACTGCCACAGTCAAGATCGGAAGAGCGGTTCAG
chr3	124210120	124210159	KALRN_4554	-	GTGACCTATGCACCAGACGTGAAATGCCTATGAGAGGCGGGGAAGGGGAGGGCAGTGGGGAGATCGGAAGAGCGGTTCAG
chr3	124211537	124211576	KALRN_4555	-	GTGACCTATGCACCAGACGTACAGGGAGAAAGACTGAGAACCCCAACTCCCATCACCTTAAGATCGGAAGAGCGGTTCAG
chr3	124215108	124215147	KALRN_4556	-	GTGACCTATGCACCAGACGTAAGAGAAAAAAAACAGGGGTGGGGGTGGGGGGAACCACTGAGATCGGAAGAGCGGTTCAG
chr3	124237197	124237236	KALRN_4557	-	GTGACCTATGCACCAGACGTAAGGGCCGGGCTCTGTGATTTGCATATAACTTTGCAAAAAAGATCGGAAGAGCGGTTCAG
chr3	124303619	124303658	KALRN_4558	-	GTGACCTATGCACCAGACGTCGCCCCAGCGCTCCCGCATGGCACGGGGCGCCAGCCCGGGAGATCGGAAGAGCGGTTCAG
chr3	124351217	124351256	KALRN_4559	-	GTGACCTATGCACCAGACGTCGGACAGACACAGCCATGTCAGAGGTGGTGAAGGCAGGCCAGATCGGAAGAGCGGTTCAG
chr3	124352646	124352685	KALRN_4560	-	GTGACCTATGCACCAGACGTAGAGCAGCATTAGTTACTGTGTCACAAACATGCCAGTGGTAGATCGGAAGAGCGGTTCAG
chr3	124356005	124356044	KALRN_4561	-	GTGACCTATGCACCAGACGTTCGGGCAGCAGAGGAAAAGCAGATTAGCAAAGAATAAGGAAGATCGGAAGAGCGGTTCAG
chr3	124369605	124369644	KALRN_4562	-	GTGACCTATGCACCAGACGTAGAAAAACAGGCTTAGAGAAGTGTACTTTGAAAAGTCATTAGATCGGAAGAGCGGTTCAG
chr3	124374398	124374437	KALRN_4563	-	GTGACCTATGCACCAGACGTGATTAAGAACAGTGAGTGTTCCTCTTCATTGTTAAGCCAAAGATCGGAAGAGCGGTTCAG
chr3	124376245	124376284	KALRN_4564	-	GTGACCTATGCACCAGACGTAAAGGCAATGGTTAGTAGCATATTTTCACAGGAAAGCTTTAGATCGGAAGAGCGGTTCAG
chr3	124376531	124376570	KALRN_4565	-	GTGACCTATGCACCAGACGTAAAGGGGATAAGAGAAGGAAGCCACATTATTCAGAACTGTAGATCGGAAGAGCGGTTCAG
chr3	124377228	124377267	KALRN_4566	-	GTGACCTATGCACCAGACGTAGAGAGAGACATGTGGACAGTCAGGCATCTTGTGTCTTTTAGATCGGAAGAGCGGTTCAG
chr3	124378162	124378201	KALRN_4567	-	GTGACCTATGCACCAGACGTGGCAGCAATATTAGAAGAAAAAGGAACTGAAGAACTGGGGAGATCGGAAGAGCGGTTCAG
chr3	124379720	124379759	KALRN_4568	-	GTGACCTATGCACCAGACGTGGGGAAGCAGGCAAGAGTGTGGGAAGGGGTAAAATTAGTAAGATCGGAAGAGCGGTTCAG
chr3	124380648	124380687	KALRN_4569	-	GTGACCTATGCACCAGACGTGAACAACTGTTACTCAGGAGGGGGAACAGCACTCAGGCAGAGATCGGAAGAGCGGTTCAG
chr3	124385246	124385285	KALRN_4570	-	GTGACCTATGCACCAGACGTGACGGGCTGGGGTGAAGTGAATGAAAAATGGGGAGCGAGCAGATCGGAAGAGCGGTTCAG
chr3	124385809	124385848	KALRN_4571	-	GTGACCTATGCACCAGACGTACGAGTTGATCCTTTTTACATTTAAAAGATTTTTTAAAAAAGATCGGAAGAGCGGTTCAG
chr3	124390457	124390496	KALRN_4572	-	GTGACCTATGCACCAGACGTAGAGCAGGTGGTTACTCTAAGCTTTGGGAATCCCACAAGGAGATCGGAAGAGCGGTTCAG
chr3	124393158	124393197	KALRN_4573	-	GTGACCTATGCACCAGACGTAGGGTGAGAGGGGCACAAACACAAGGACGCTAGTTCACATAGATCGGAAGAGCGGTTCAG
chr3	124396987	124397026	KALRN_4574	-	GTGACCTATGCACCAGACGTAAAAAATGCACCAATCAAAATGGCAGGTCAGGGACAGCGAAGATCGGAAGAGCGGTTCAG
chr3	124398255	124398294	KALRN_4575	-	GTGACCTATGCACCAGACGTAGCATGAGGAAGGGGGAAGAAAGAGAACACAGTTAGAACAAGATCGGAAGAGCGGTTCAG
chr3	124412601	124412640	KALRN_4576	-	GTGACCTATGCACCAGACGTAAAAGACACAGAAAATTGCTTGAATCCTAAACTACTAAAAAGATCGGAAGAGCGGTTCAG
chr3	124413129	124413168	KALRN_4577	-	GTGACCTATGCACCAGACGTATCAACATACATTAACATCATTCAGAGCAAATTTAGAATAAGATCGGAAGAGCGGTTCAG
chr3	124414931	124414970	KALRN_4578	-	GTGACCTATGCACCAGACGTCAAAAGGATGCTCTTCAGACTCCAGTAATGAGACACTTGAAGATCGGAAGAGCGGTTCAG
chr3	124416390	124416429	KALRN_4579	-	GTGACCTATGCACCAGACGTAGAAATCAGGATCAGGTGCTATTTCTGCAGAACTTGGCATAGATCGGAAGAGCGGTTCAG
chr3	124418666	124418705	KALRN_4580	-	GTGACCTATGCACCAGACGTGTTTCCCAGGAGAGGGAAAGAGAAAAGCCAAAGGGATATTAGATCGGAAGAGCGGTTCAG
chr3	124420835	124420874	KALRN_4581	-	GTGACCTATGCACCAGACGTAAGAGAATCCATTTACAATATCGAGGATGTCATATAAGAAAGATCGGAAGAGCGGTTCAG
chr3	124431732	124431771	KALRN_4582	-	GTGACCTATGCACCAGACGTAAAAGGGAGAGTTTGCCAACATTCATTAATTAACTAGATAAGATCGGAAGAGCGGTTCAG

chr3	124436044	124436083	KALRN_4583	-	GTGACCTATGCACCAGACGTGCAGGGAAAGGCAAAGGAAATATGTTTGAAATGAAGAAATAGATCGGAAGAGCGGTTCAG
chr3	124437722	124437761	KALRN_4584	-	GTGACCTATGCACCAGACGTCCAAGGAAGCAGGGAGAAAAGAAGGGAAGTTTAGGCCTCTAGATCGGAAGAGCGGTTCAG
chr3	123987796	123987835	KALRN_4585	-	GTGACCTATGCACCAGACGTCTGTGTGTGTTCGTCAATGAGCCGCCGAGAGCCCTCCACAAGATCGGAAGAGCGGTTCAG
chr3	124437995	124438034	KALRN_4586	-	GTGACCTATGCACCAGACGTCATACGTTGATACATGTCTCCTCTTTGCTCTCATCCAAGAAGATCGGAAGAGCGGTTCAG
chr3	20081920	20081959	KAT2B_4587	-	GTGACCTATGCACCAGACGTAGCACGGCAGGAGGCGCCGAGTGTCAGGCGCCGCCGCCGCAGATCGGAAGAGCGGTTCAG
chr3	20113775	20113814	KAT2B_4588	-	GTGACCTATGCACCAGACGTAATAAAGAAAGAGACAAAATTATTTAACAGGCAGCCGTGGAGATCGGAAGAGCGGTTCAG
chr3	20136705	20136744	KAT2B_4589	-	GTGACCTATGCACCAGACGTGATCAAAGAAACATATGTAAGACCTCAATTGGAAACCAAAAGATCGGAAGAGCGGTTCAG
chr3	20142729	20142768	KAT2B_4590	-	GTGACCTATGCACCAGACGTGGGAAGGCAATTTCTTCATGCAGCTATGCAATCATACTAAAGATCGGAAGAGCGGTTCAG
chr3	20153038	20153077	KAT2B_4591	-	GTGACCTATGCACCAGACGTAGAAGTCAAGCACCATCAATATCCCATAAACCCCCAGGTCAGATCGGAAGAGCGGTTCAG
chr3	20156324	20156363	KAT2B_4592	-	GTGACCTATGCACCAGACGTGAGTAATAGCAATAAGATTAAAAAAAAACTACTGTAAGGAAGATCGGAAGAGCGGTTCAG
chr3	20161040	20161079	KAT2B_4593	-	GTGACCTATGCACCAGACGTAAAAGGAGAAGAAGGTGTTAGATGACTGACTCCTTTCTTAAGATCGGAAGAGCGGTTCAG
chr3	20164110	20164149	KAT2B_4594	-	GTGACCTATGCACCAGACGTCAAAATAAAAGGCAAACAATGGGTGGTTCTAAACACAAAAAGATCGGAAGAGCGGTTCAG
chr3	20167347	20167386	KAT2B_4595	-	GTGACCTATGCACCAGACGTAGAGACAGGAAAAAATTACACAGAGCTATTCTCTCAAGACAGATCGGAAGAGCGGTTCAG
chr3	20168865	20168904	KAT2B_4596	-	GTGACCTATGCACCAGACGTAAGATTATGTCAAAGTTTTACCTATCCTAGTTATATAAATAGATCGGAAGAGCGGTTCAG
chr3	20178384	20178423	KAT2B_4597	-	GTGACCTATGCACCAGACGTGTTAGTATACAAACAAATACATTAGACTGGGGAGAAAAATAGATCGGAAGAGCGGTTCAG
chr3	20187758	20187797	KAT2B_4598	-	GTGACCTATGCACCAGACGTCAGGAAGGAAATGTGTTTAGGGAAAGAAGTCTATGGATACAGATCGGAAGAGCGGTTCAG
chr3	20189405	20189444	KAT2B_4599	-	GTGACCTATGCACCAGACGTACAAAGTGAAACACTGAATGAGAAGTGCTTTTGGTCAAGAAGATCGGAAGAGCGGTTCAG
chr3	20189685	20189724	KAT2B_4600	-	GTGACCTATGCACCAGACGTAAAAGGGAAACAAGGAGCAATGATTAGAGTTTTACCCTATAGATCGGAAGAGCGGTTCAG
chr3	20189845	20189884	KAT2B_4601	-	GTGACCTATGCACCAGACGTGAAAAAAGTAAGGTATCTAATATGGAAATTCCATGTGGGAAGATCGGAAGAGCGGTTCAG
chr3	20193774	20193813	KAT2B_4602	-	GTGACCTATGCACCAGACGTAAAAAAAATATTAGCAATCTTTGACTCCCTTTAAACACCAAGATCGGAAGAGCGGTTCAG
chr18	6942028	6942067	LAMA1_4603	-	GTGACCTATGCACCAGACGTGAATCCTCAGTTGGAATCATTGCTAATATTTTGAGGAGAAAGATCGGAAGAGCGGTTCAG
chr18	6943129	6943168	LAMA1_4604	-	GTGACCTATGCACCAGACGTGTACCTGCTCTTCCACTCAAAAGGGGCACTGTCCCTGGAGAGATCGGAAGAGCGGTTCAG
chr18	6947112	6947151	LAMA1_4605	-	GTGACCTATGCACCAGACGTCCTCTCCATGAGGGTCTTCCTCCCCCCAGTGTCAGAGACAAGATCGGAAGAGCGGTTCAG
chr18	6948352	6948391	LAMA1_4606	-	GTGACCTATGCACCAGACGTGCAACACTCTCGAAGGCAGTCCCCGAATGAGTCTGTACTCAGATCGGAAGAGCGGTTCAG
chr18	6949050	6949089	LAMA1_4607	-	GTGACCTATGCACCAGACGTTTTTCCATACTGACATTTTACCTTCGTTGTGTTCGTGTTTAGATCGGAAGAGCGGTTCAG
chr18	6950731	6950770	LAMA1_4608	-	GTGACCTATGCACCAGACGTAGGAGGCTTGTGGTGGCTGCTTCTGAGTTCTGTTCCATCTAGATCGGAAGAGCGGTTCAG
chr18	6955302	6955341	LAMA1_4609	-	GTGACCTATGCACCAGACGTTTCTAACATCCTTATGCGGCGTCTCATTGCTAGATGTATGAGATCGGAAGAGCGGTTCAG
chr18	6956585	6956624	LAMA1_4610	-	GTGACCTATGCACCAGACGTCTTCCTTTACTATCAGTCAGGTCCAGTCAGCAAAGGAGGGAGATCGGAAGAGCGGTTCAG
chr18	6958426	6958465	LAMA1_4611	-	GTGACCTATGCACCAGACGTCTGCTCTCTGCATGTTCTTGCACTTTCTGACCTTTCATGGAGATCGGAAGAGCGGTTCAG
chr18	6959290	6959329	LAMA1_4612	-	GTGACCTATGCACCAGACGTGCGGCCAGGCAGTGTGTAATGAAGGTGTGGTGAGCTCAGAAGATCGGAAGAGCGGTTCAG
chr18	6961535	6961574	LAMA1_4613	-	GTGACCTATGCACCAGACGTCCAGTGCTCCTGAGCCCCAAGCTCAGGAAATTACTTCGGGAGATCGGAAGAGCGGTTCAG
chr18	6961894	6961933	LAMA1_4614	-	GTGACCTATGCACCAGACGTTTGTTATTAATGTTCAAATGAGTTTCCATAAGTGTCCATTAGATCGGAAGAGCGGTTCAG
chr18	6965237	6965276	LAMA1_4615	-	GTGACCTATGCACCAGACGTAGATGGACTCACCAGATGTCGGTCACCCTCATAAGAATAGAGATCGGAAGAGCGGTTCAG
chr18	6966096	6966135	LAMA1_4616	-	GTGACCTATGCACCAGACGTTTGTGCGGCCCTAGGCCCTACTGTATACACACATTTAGATAGATCGGAAGAGCGGTTCAG
chr18	6971806	6971845	LAMA1_4617	-	GTGACCTATGCACCAGACGTGTCACGGTTTAGCACATAGTATGTTATTCTGTTAACATCTAGATCGGAAGAGCGGTTCAG
chr18	6973006	6973045	LAMA1_4618	-	GTGACCTATGCACCAGACGTGAAAGTTCTTCTGAACAGGACTGATTGACTGATTTTACCTAGATCGGAAGAGCGGTTCAG
chr18	6974852	6974891	LAMA1_4619	-	GTGACCTATGCACCAGACGTATGTTCTCTCAAAGCAGCTCTCTTTTTTAAAGTGTGTCTCAGATCGGAAGAGCGGTTCAG
chr18	6975886	6975925	LAMA1_4620	-	GTGACCTATGCACCAGACGTGACCTTTGGAAAGCGACACTGAATCTTTTATGCACTTCTAAGATCGGAAGAGCGGTTCAG
chr18	6977676	6977715	LAMA1_4621	-	GTGACCTATGCACCAGACGTGGCCCCGTGGCTTTCGTAACTGGGCTCTCAGTCATGTGGGAGATCGGAAGAGCGGTTCAG
chr18	6978145	6978184	LAMA1_4622	-	GTGACCTATGCACCAGACGTGCCCTTCCTTCCAGTCATGATCGTCTGCGTCATGCAGACGAGATCGGAAGAGCGGTTCAG
chr18	6980470	6980509	LAMA1_4623	-	GTGACCTATGCACCAGACGTAGGACTTTCTTCTGTAAATAACGTCTTCTCATTGTAAAAGAGATCGGAAGAGCGGTTCAG
chr18	6982446	6982485	LAMA1_4624	-	GTGACCTATGCACCAGACGTGGCTCGGACGGTGTAGACAGGCAGAGTGAGCGTGAGCGTCAGATCGGAAGAGCGGTTCAG
chr18	6983048	6983087	LAMA1_4625	-	GTGACCTATGCACCAGACGTACGTGGCTTCTTTTTCTGGGCTCTGTGGGAGATTTTTCTGAGATCGGAAGAGCGGTTCAG
chr18	6985186	6985225	LAMA1_4626	-	GTGACCTATGCACCAGACGTGCCTTTGTGGGAACTCAAGAGCTTGCAGTCTATTGATCGGAGATCGGAAGAGCGGTTCAG
chr18	6985476	6985515	LAMA1_4627	-	GTGACCTATGCACCAGACGTTCTCAGCACAGCCACAGTACAGTTTTTAAAGAATCTTCACAGATCGGAAGAGCGGTTCAG
chr18	6986086	6986125	LAMA1_4628	-	GTGACCTATGCACCAGACGTCTTGCTCTCTCCTTCTCAATTAGAACAGGTAACAAAATACAGATCGGAAGAGCGGTTCAG
chr18	6992510	6992549	LAMA1_4629	-	GTGACCTATGCACCAGACGTAATTACTGTGTGCAATGCAACCAAGTAGAGAGAGAAACTTAGATCGGAAGAGCGGTTCAG
chr18	6993590	6993629	LAMA1_4630	-	GTGACCTATGCACCAGACGTCAGTGTCTAGTTTGAAGTATCTGTGCTTATCTAGTAAGAAAGATCGGAAGAGCGGTTCAG
chr18	6995306	6995345	LAMA1_4631	-	GTGACCTATGCACCAGACGTTCCATAACCAACCAACCTTCCTCCTGGTCCCTCCCATCAGAGATCGGAAGAGCGGTTCAG
chr18	6997691	6997730	LAMA1_4632	-	GTGACCTATGCACCAGACGTGAAATACAGAGATGAACAGACACTTGTATCATTAAGGGATAGATCGGAAGAGCGGTTCAG
chr18	6999394	6999433	LAMA1_4633	-	GTGACCTATGCACCAGACGTCTCCTCTAAATGTGTAAAGATGGTTTTTCCTCCCAAATGTAGATCGGAAGAGCGGTTCAG
chr18	6999860	6999899	LAMA1_4634	-	GTGACCTATGCACCAGACGTGGATTGTCATGTGGAAATCCCTGGGCACTCTGTTTCTTTTAGATCGGAAGAGCGGTTCAG
chr18	7002213	7002252	LAMA1_4635	-	GTGACCTATGCACCAGACGTACAGGGGCAGCTGGCATGCTGGGCTGCCCAGGGCTGCTTCAGATCGGAAGAGCGGTTCAG
chr18	7007088	7007127	LAMA1_4636	-	GTGACCTATGCACCAGACGTTTGTGGGGGTGCTTGCCTGAGTTTAGAAGTAAAGTGGACGAGATCGGAAGAGCGGTTCAG
chr18	7008437	7008476	LAMA1_4637	-	GTGACCTATGCACCAGACGTTCTAGTCGAAATCTATTTCCTGGGTTTGAGTTGAAATGTGAGATCGGAAGAGCGGTTCAG
chr18	7009188	7009227	LAMA1_4638	-	GTGACCTATGCACCAGACGTCTTCTAGAATTTTGACCGTTATTTTCATATTTGAAAGCAAAGATCGGAAGAGCGGTTCAG
chr18	7010149	7010188	LAMA1_4639	-	GTGACCTATGCACCAGACGTGATCTTTTCATAGAAGTTCCTTAAAGACATTGACTTTGCTAGATCGGAAGAGCGGTTCAG
chr18	7011249	7011288	LAMA1_4640	-	GTGACCTATGCACCAGACGTCGCCCAGCCGAGAGCCAGTCGGTGCTTCCTAGGATATACAAGATCGGAAGAGCGGTTCAG

chr18	7011944	7011983	LAMA1_4641	-	GTGACCTATGCACCAGACGTCACAGCGAAAGTGTTCTGCTTCTAACCCCACTCCCCTGGGAGATCGGAAGAGCGGTTCAG
chr18	7013764	7013803	LAMA1_4642	-	GTGACCTATGCACCAGACGTTCCATCCTCCTCTTTCATCCTGTCTCTGGCTCCTCATCATAGATCGGAAGAGCGGTTCAG
chr18	7015671	7015710	LAMA1_4643	-	GTGACCTATGCACCAGACGTTCATCCACGCTCTTGCTTAACTGAGAGTTGCTTTGCTGTAAGATCGGAAGAGCGGTTCAG
chr18	7016440	7016479	LAMA1_4644	-	GTGACCTATGCACCAGACGTATTTCCTTGTTTGAGACTTTGTAGTCATTCCCAGAGCTTTAGATCGGAAGAGCGGTTCAG
chr18	7017227	7017266	LAMA1_4645	-	GTGACCTATGCACCAGACGTTGTGACTAATTGACACCTTAGCCTTGGTACAGAGGCGATTAGATCGGAAGAGCGGTTCAG
chr18	7023113	7023152	LAMA1_4646	-	GTGACCTATGCACCAGACGTGAGCGTGAAGTCAGGTCAGCTGTTTATTGCCATAGGAAGTAGATCGGAAGAGCGGTTCAG
chr18	7024329	7024368	LAMA1_4647	-	GTGACCTATGCACCAGACGTTCCACTGGCTTCAACACATTTTCGAAATTAAATATAAATTAGATCGGAAGAGCGGTTCAG
chr18	7025928	7025967	LAMA1_4648	-	GTGACCTATGCACCAGACGTGACCTCATCAGCGGTTCCTGCCAGCATGGCCAGGATTCCCAGATCGGAAGAGCGGTTCAG
chr18	7032015	7032054	LAMA1_4649	-	GTGACCTATGCACCAGACGTCACTGTAGTTCAGGTGCCCTCTCCTCCTCAATTCAGAGCCAGATCGGAAGAGCGGTTCAG
chr18	7032933	7032972	LAMA1_4650	-	GTGACCTATGCACCAGACGTTCTCTTCCTGTCTTTTTCCTTTCGTTCCTTCCTAAGGGGAAGATCGGAAGAGCGGTTCAG
chr18	7034428	7034467	LAMA1_4651	-	GTGACCTATGCACCAGACGTAAAATGGAGGAAAAACTTACGGTGAAGGTACTTCCATTTTAGATCGGAAGAGCGGTTCAG
chr18	7035936	7035975	LAMA1_4652	-	GTGACCTATGCACCAGACGTTTGCTTTGATTCTGCTATAGAGCTTAGGGCTTAGTGGGCTAGATCGGAAGAGCGGTTCAG
chr18	7037527	7037566	LAMA1_4653	-	GTGACCTATGCACCAGACGTCCCTGCAGGTAGCGATGTCTCAGATGAAGATCTCAGGGAAAGATCGGAAGAGCGGTTCAG
chr18	7038759	7038798	LAMA1_4654	-	GTGACCTATGCACCAGACGTCCATCTGCGCGGCGGGATTTAATGAGCAGGTCGTATTGCAAGATCGGAAGAGCGGTTCAG
chr18	7040025	7040064	LAMA1_4655	-	GTGACCTATGCACCAGACGTAGGTCAGAGACACCCCTGAGCTTCCTTTGAGCTTCTCTGGAGATCGGAAGAGCGGTTCAG
chr18	7042094	7042133	LAMA1_4656	-	GTGACCTATGCACCAGACGTGATTCACTTTTGTGCTTGTAATTGATTTTGTGTGTGTGTGAGATCGGAAGAGCGGTTCAG
chr18	7043176	7043215	LAMA1_4657	-	GTGACCTATGCACCAGACGTTTCTTTGCCATTGCTGATCTTCATCATCTTCCCCAGGTGGAGATCGGAAGAGCGGTTCAG
chr18	7044671	7044710	LAMA1_4658	-	GTGACCTATGCACCAGACGTTTAGAATCTGAAGGTCAGTACAGTTTTCCTCTTAATACGTAGATCGGAAGAGCGGTTCAG
chr18	7046227	7046266	LAMA1_4659	-	GTGACCTATGCACCAGACGTGTATTTCACATTTTACTAAAACTTCAAAACAGAAATTGTAAGATCGGAAGAGCGGTTCAG
chr18	7049027	7049066	LAMA1_4660	-	GTGACCTATGCACCAGACGTGACGGCAGTCCTGCCAAATAAAATAAAAAGATTCATTTTAAGATCGGAAGAGCGGTTCAG
chr18	7050643	7050682	LAMA1_4661	-	GTGACCTATGCACCAGACGTTGCCCGCTGCAGCAAGATCTGTTTCCTCATCAGAGTCTCCAGATCGGAAGAGCGGTTCAG
chr18	7079924	7079963	LAMA1_4662	-	GTGACCTATGCACCAGACGTCCAGAACCATTGAAGAGTGTCTACAGGCTGCTGAGCTGTGAGATCGGAAGAGCGGTTCAG
chr18	7080236	7080275	LAMA1_4663	-	GTGACCTATGCACCAGACGTCGCCTTTATTTCTGAAATTCCCATGGGAATGTACACTTTGAGATCGGAAGAGCGGTTCAG
chr13	113960750	113960789	LAMP1_4664	-	GTGACCTATGCACCAGACGTCAGGGAAGACGGAGACCATCAAAAACTGTCCAGAAAATACAGATCGGAAGAGCGGTTCAG
chr13	113963908	113963947	LAMP1_4665	-	GTGACCTATGCACCAGACGTCACAATTAAATGTAACCCAATTGGGATGCAGGTTATTAAAAGATCGGAAGAGCGGTTCAG
chr13	113964974	113965013	LAMP1_4666	-	GTGACCTATGCACCAGACGTAAAAAAAAAAATCACAATTGCAAACTACTTGCAGTACTTAAGATCGGAAGAGCGGTTCAG
chr13	113973734	113973773	LAMP1_4667	-	GTGACCTATGCACCAGACGTAGTGGAGGGAGATTCAGGTCTGGGTTTCTCATAACCATCAAGATCGGAAGAGCGGTTCAG
chr13	113974610	113974649	LAMP1_4668	-	GTGACCTATGCACCAGACGTCAAGCAAGCAAGTCACCACCCTAGCTCAGGTCCTCCACACAGATCGGAAGAGCGGTTCAG
chr13	113975669	113975708	LAMP1_4669	-	GTGACCTATGCACCAGACGTAAAATGATCTTTAATCACGGAGCAGATTCATAGAAAGATGAGATCGGAAGAGCGGTTCAG
chr13	113976547	113976586	LAMP1_4670	-	GTGACCTATGCACCAGACGTAGACGGATGGTGTCAGGGCTCTGCTCACACAGGGGCCTGCAGATCGGAAGAGCGGTTCAG
chr11	18418340	18418379	LDHA_4671	-	GTGACCTATGCACCAGACGTGAACCAAAAGGAATCTATAGGAGGAAAAACATTTAGTGTCAGATCGGAAGAGCGGTTCAG
chr11	18420928	18420967	LDHA_4672	-	GTGACCTATGCACCAGACGTTCAAATCTTTAGTTAAATGGAAAATTGCCACTTCTAGATTAGATCGGAAGAGCGGTTCAG
chr11	18422334	18422373	LDHA_4673	-	GTGACCTATGCACCAGACGTGGGGAATAATGACCAGATTAAGGCCTTTAGAATAAATTTTAGATCGGAAGAGCGGTTCAG
chr11	18424337	18424376	LDHA_4674	-	GTGACCTATGCACCAGACGTGGAGAAAATAAAAATCACCCATTATCCTCTCCCTACACACAGATCGGAAGAGCGGTTCAG
chr11	18425191	18425230	LDHA_4675	-	GTGACCTATGCACCAGACGTTAGTACAGACTACATTTATTTTCATGTACCAACAGATTAGAGATCGGAAGAGCGGTTCAG
chr11	18426946	18426985	LDHA_4676	-	GTGACCTATGCACCAGACGTGGAAACCATAGGTAAAGGCAGAAAAAGCAGGGTGGGAGAAAGATCGGAAGAGCGGTTCAG
chr11	18428614	18428653	LDHA_4677	-	GTGACCTATGCACCAGACGTAATGAAAAAAAAAAAATCTCACATTTTGTCTATGCATTCCAGATCGGAAGAGCGGTTCAG
chr2	33173892	33173931	LTBP1_4678	-	GTGACCTATGCACCAGACGTGCAAGATCGCTGAGTCCAGCAGCAGAAAGACCCCCTTCCCAGATCGGAAGAGCGGTTCAG
chr2	33245926	33245965	LTBP1_4679	-	GTGACCTATGCACCAGACGTAAAACAGAAGGCACAGCTTTGAAGAACAACATTGTAGACTAGATCGGAAGAGCGGTTCAG
chr2	33335599	33335638	LTBP1_4680	-	GTGACCTATGCACCAGACGTACAAAATAAAGAGAAGGAATTAAATAATGGGCTTTTAAAAAGATCGGAAGAGCGGTTCAG
chr2	33359810	33359849	LTBP1_4681	-	GTGACCTATGCACCAGACGTAGGCAGGGAGAAAAAGAACAACAAACACATCAGCTTAGTAAGATCGGAAGAGCGGTTCAG
chr2	33411873	33411912	LTBP1_4682	-	GTGACCTATGCACCAGACGTAAAGAGAAAACATGGAGAGTTGGTTAGTCTCTCAGAGGCTAGATCGGAAGAGCGGTTCAG
chr2	33413594	33413633	LTBP1_4683	-	GTGACCTATGCACCAGACGTTTGGGAGGAAAACTTGTTAGTCCTGAATAACTAACAGGCAAGATCGGAAGAGCGGTTCAG
chr2	33442569	33442608	LTBP1_4684	-	GTGACCTATGCACCAGACGTTAGGTGTGAAATATGAAGGTTAATTGAGTGCAGGATGCCCAGATCGGAAGAGCGGTTCAG
chr2	33447097	33447136	LTBP1_4685	-	GTGACCTATGCACCAGACGTAGAAATGCTTTGTTACATACTTAAATTCTTACAATCTTAGAGATCGGAAGAGCGGTTCAG
chr2	33468679	33468718	LTBP1_4686	-	GTGACCTATGCACCAGACGTACACAATTCTTTAGAAGGAGCAGTCAAGCCCCATTGAGCAAGATCGGAAGAGCGGTTCAG
chr2	33477694	33477733	LTBP1_4687	-	GTGACCTATGCACCAGACGTGAGATAAAGCCCGACATTACATGAGAAACCAAAACTACATAGATCGGAAGAGCGGTTCAG
chr2	33482301	33482340	LTBP1_4688	-	GTGACCTATGCACCAGACGTGATGGGAAAATATTCCTTTTAAAAATCTAACAGTGCAAACAGATCGGAAGAGCGGTTCAG
chr2	33484605	33484644	LTBP1_4689	-	GTGACCTATGCACCAGACGTAAAAGAAAAAGGGTATTAGTACCATTTAAGACAATTCAGTAGATCGGAAGAGCGGTTCAG
chr2	33487739	33487778	LTBP1_4690	-	GTGACCTATGCACCAGACGTGTATTTTAAAAGAGAATAAGAAAAAAAAAAGAATTGAAAGAGATCGGAAGAGCGGTTCAG
chr2	33488311	33488350	LTBP1_4691	-	GTGACCTATGCACCAGACGTAAGCAGAGGATAAAAAGAAAATTAAAGCCCGTTATGTGCAAGATCGGAAGAGCGGTTCAG
chr2	33498673	33498712	LTBP1_4692	-	GTGACCTATGCACCAGACGTAAATAAAATAATGTGAAAAAACCCACAGAAATGAACAGATAGATCGGAAGAGCGGTTCAG
chr2	33499982	33500021	LTBP1_4693	-	GTGACCTATGCACCAGACGTAAATACATATAAAAATATTAGTTCTGTGTAGCAAGAACTTAGATCGGAAGAGCGGTTCAG
chr2	33500818	33500857	LTBP1_4694	-	GTGACCTATGCACCAGACGTCAGATAGCATTGTTGAGTTTTGTGTTCCAAATACTGTTTCAGATCGGAAGAGCGGTTCAG
chr2	33505056	33505095	LTBP1_4695	-	GTGACCTATGCACCAGACGTAAAAACCTAGGTCGTGAACATTTTATCAGAATACCAAAGCAGATCGGAAGAGCGGTTCAG
chr2	33518177	33518216	LTBP1_4696	-	GTGACCTATGCACCAGACGTGTTGCGTAATGGAAAGAACAAAAAAAGAAGAAAAAGAAAAAGATCGGAAGAGCGGTTCAG
chr2	33525468	33525507	LTBP1_4697	-	GTGACCTATGCACCAGACGTAACAACGGCAATTTTTCTGAAAAAGAGACTACCCAGGAGAAGATCGGAAGAGCGGTTCAG
chr2	33526539	33526578	LTBP1_4698	-	GTGACCTATGCACCAGACGTGAGAATACAAAGAAACTGTGGAAGTGGTGCTTCAAAAACAAGATCGGAAGAGCGGTTCAG

chr2	33534451	33534490	LTBP1_4699	-	GTGACCTATGCACCAGACGTATTTAAAAATTTTTAAAGACTAAATAAATCACATATCGGAAGATCGGAAGAGCGGTTCAG
chr2	33540161	33540200	LTBP1_4700	-	GTGACCTATGCACCAGACGTAAATAGAGTCTTAAAAACTTGAAAAAAATCGGTTTCATTCAGATCGGAAGAGCGGTTCAG
chr2	33567855	33567894	LTBP1_4701	-	GTGACCTATGCACCAGACGTGACATGGAACATCAGACACAAAACAAACACAGGCTGACAAAGATCGGAAGAGCGGTTCAG
chr2	33572384	33572423	LTBP1_4702	-	GTGACCTATGCACCAGACGTGAGCACAGACCAAGTGAGATGTGTGCCTCATTCACGACAGAGATCGGAAGAGCGGTTCAG
chr2	33585614	33585653	LTBP1_4703	-	GTGACCTATGCACCAGACGTTAGAGAAAGTAGAGTGACAATAGGACACATCAGAACTACCAGATCGGAAGAGCGGTTCAG
chr2	33586446	33586485	LTBP1_4704	-	GTGACCTATGCACCAGACGTAAGAGACAAAAAAAAAAAAAAGATTCAACATCTTCCATGAAGATCGGAAGAGCGGTTCAG
chr2	33588407	33588446	LTBP1_4705	-	GTGACCTATGCACCAGACGTAAAAATTGAGAAATACAAAAAGGAGTTAGGTTTGATCTTTAGATCGGAAGAGCGGTTCAG
chr2	33589233	33589272	LTBP1_4706	-	GTGACCTATGCACCAGACGTAAAAAAAGTATTACTAAAGAAAATCAGCCATCAGTTGTACAGATCGGAAGAGCGGTTCAG
chr2	33590350	33590389	LTBP1_4707	-	GTGACCTATGCACCAGACGTAGACATAGTTCCATGAAAATCGCACAGTTATTCCTATTTAAGATCGGAAGAGCGGTTCAG
chr2	33614201	33614240	LTBP1_4708	-	GTGACCTATGCACCAGACGTGACAAGCAGCATGAGGCCCCACCACTGTTAGCTCGCACCTAGATCGGAAGAGCGGTTCAG
chr2	33622150	33622189	LTBP1_4709	-	GTGACCTATGCACCAGACGTAAGGGCAGAAGCTAAGTTAGAGCTTCTCAACTTCCTATATAGATCGGAAGAGCGGTTCAG
chr2	33623381	33623420	LTBP1_4710	-	GTGACCTATGCACCAGACGTTCAAGCCATGCAGGTAAACAATCTTGGATATTATTCTGTGAGATCGGAAGAGCGGTTCAG
chr16	30127939	30127978	MAPK3_4711	-	GTGACCTATGCACCAGACGTCATCTCTGCACCCTGGGGCCTGGTGAGTGTCTCCATGGCCAGATCGGAAGAGCGGTTCAG
chr16	30128108	30128147	MAPK3_4712	-	GTGACCTATGCACCAGACGTTGCCAGGCCTGAGCCTTGCTGTCTCTACCACCCCAGCCAGAGATCGGAAGAGCGGTTCAG
chr16	30128165	30128204	MAPK3_4713	-	GTGACCTATGCACCAGACGTCCCCAGCAGCAGTGGGGCTGGGGGCAGGGGAGCAGGGGGGAGATCGGAAGAGCGGTTCAG
chr16	30128425	30128464	MAPK3_4714	-	GTGACCTATGCACCAGACGTCATGAGGGTGGGTGTGGGATAAACCTTGGGTGTCGTGGAGAGATCGGAAGAGCGGTTCAG
chr16	30128941	30128980	MAPK3_4715	-	GTGACCTATGCACCAGACGTCCCGGCTGGCTGAGTTGGGGATGATTAGCTTTTCCGAGGTAGATCGGAAGAGCGGTTCAG
chr16	30129318	30129357	MAPK3_4716	-	GTGACCTATGCACCAGACGTCTGCCCACTCCTGAAAGGAACGGACCAGTTCCCAGGAAGCAGATCGGAAGAGCGGTTCAG
chr16	30129620	30129659	MAPK3_4717	-	GTGACCTATGCACCAGACGTTGGGCACCTGTCCCCTCCTCCCCCAGGGTCTGGGGCTTCCAGATCGGAAGAGCGGTTCAG
chr16	30133095	30133134	MAPK3_4718	-	GTGACCTATGCACCAGACGTCCTTGGCCAGTCGGCTGGTCAGGCACGGCCTCGCAGCTGGAGATCGGAAGAGCGGTTCAG
chr16	30134311	30134350	MAPK3_4719	-	GTGACCTATGCACCAGACGTGTTCCGGGGGAGGGGGTGCCCTCAGGGGAGGGGGCTTCGCAGATCGGAAGAGCGGTTCAG
chr10	89264623	89264662	MINPP1_4720	-	GTGACCTATGCACCAGACGTGTCAGTGGAGTGCGCCGAGCCAGCTGCAGATGCCCAGCTTAGATCGGAAGAGCGGTTCAG
chr10	89268043	89268082	MINPP1_4721	-	GTGACCTATGCACCAGACGTAAAAAATTTATATGTATTTGTAAATCACTGACATAAATGAAGATCGGAAGAGCGGTTCAG
chr10	89272831	89272870	MINPP1_4722	-	GTGACCTATGCACCAGACGTAAAAAGGTAAAATTTTGTGGGTCATTATTTTCTGCAATTTAGATCGGAAGAGCGGTTCAG
chr10	89311789	89311828	MINPP1_4723	-	GTGACCTATGCACCAGACGTAAATTAAGAGAAAATAAGGTATATATATTAATGTCATAGAAGATCGGAAGAGCGGTTCAG
chr10	89264941	89264980	MINPP1_4724	-	GTGACCTATGCACCAGACGTCTCAGCTTGCGGATCTGTTTGACCGTGGGGTAGCGGGTGCAGATCGGAAGAGCGGTTCAG
chr11	118307178	118307217	MLL_4725	-	GTGACCTATGCACCAGACGTTGAAGTGAAGCAGCGAGAGGGAGAGGCGACAACACAGGGGAGATCGGAAGAGCGGTTCAG
chr11	118339440	118339479	MLL_4726	-	GTGACCTATGCACCAGACGTGGAAAATTATTTTAAAATCAGAAGCAAAAACGTGCATACAAGATCGGAAGAGCGGTTCAG
chr11	118342327	118342366	MLL_4727	-	GTGACCTATGCACCAGACGTAAATTAAACAATGAAGAGCATATATTTAGCTGTGTAGTTTAGATCGGAAGAGCGGTTCAG
chr11	118347470	118347509	MLL_4728	-	GTGACCTATGCACCAGACGTGGCAATCCAAAAACAATAACAACCATACATGTTGAAATTAAGATCGGAAGAGCGGTTCAG
chr11	118348632	118348671	MLL_4729	-	GTGACCTATGCACCAGACGTAATGTGGCATTAGTTCCAAGGGAGTACTGAATTCAAACCTAGATCGGAAGAGCGGTTCAG
chr11	118350839	118350878	MLL_4730	-	GTGACCTATGCACCAGACGTAACGAATAAACCATGAAACAAATTAAATTTAGAAGAAAAGAGATCGGAAGAGCGGTTCAG
chr11	118352380	118352419	MLL_4731	-	GTGACCTATGCACCAGACGTAACACAACAACATCATCTGTCTATAGTGAGAATAATTTTAAGATCGGAAGAGCGGTTCAG
chr11	118353087	118353126	MLL_4732	-	GTGACCTATGCACCAGACGTCAGAATAAATTGCAGTCAGATGCTGGCAACGACTACTTTAAGATCGGAAGAGCGGTTCAG
chr11	118354848	118354887	MLL_4733	-	GTGACCTATGCACCAGACGTAAAAGATGAATATAGAACAAAATCACACCCTATTTGCCTTAGATCGGAAGAGCGGTTCAG
chr11	118355527	118355566	MLL_4734	-	GTGACCTATGCACCAGACGTAGAAAGGTCACTTAGGAAAGTTTTACAATTACACAACTTTAGATCGGAAGAGCGGTTCAG
chr11	118359279	118359318	MLL_4735	-	GTGACCTATGCACCAGACGTAACATGGGAAGATAGAAGTATGTCAAATAATATGTAGAAAAGATCGGAAGAGCGGTTCAG
chr11	118360457	118360496	MLL_4736	-	GTGACCTATGCACCAGACGTATATAATGGCAAAAAGATAAGCATCATATTACCTTCACCCAGATCGGAAGAGCGGTTCAG
chr11	118360794	118360833	MLL_4737	-	GTGACCTATGCACCAGACGTAGAAAAGAAATTCAATAGGAATTTCTTGTTTTTAATATCTAGATCGGAAGAGCGGTTCAG
chr11	118361861	118361900	MLL_4738	-	GTGACCTATGCACCAGACGTAGCAAAGTTTACAGCAGTGCTTTGGCTCACATACCCGTGTAGATCGGAAGAGCGGTTCAG
chr11	118362409	118362448	MLL_4739	-	GTGACCTATGCACCAGACGTAAAAACCTACCATGATGAGGTCCTCTGAAGAATGAGAGAGAGATCGGAAGAGCGGTTCAG
chr11	118363722	118363761	MLL_4740	-	GTGACCTATGCACCAGACGTGAAAGATATGTTGCTTTTATCTAACACTAAAACCAAGGTGAGATCGGAAGAGCGGTTCAG
chr11	118364953	118364992	MLL_4741	-	GTGACCTATGCACCAGACGTAAACAAAATGTTAATTATTCTTAAAACAGTGTGCTCTGAAAGATCGGAAGAGCGGTTCAG
chr11	118365359	118365398	MLL_4742	-	GTGACCTATGCACCAGACGTACACAAACAAAATGTAAATATGTAAACACTCATTTAGATAAGATCGGAAGAGCGGTTCAG
chr11	118366926	118366965	MLL_4743	-	GTGACCTATGCACCAGACGTAAAAGACTCCCATCAATACCTTGAGATCCAGTTAAAATTGAGATCGGAAGAGCGGTTCAG
chr11	118368601	118368640	MLL_4744	-	GTGACCTATGCACCAGACGTAAGAGATTTCTTTTTTCCTAAAGAATATAATGCCAAAGGAAGATCGGAAGAGCGGTTCAG
chr11	118369035	118369074	MLL_4745	-	GTGACCTATGCACCAGACGTAAAAAGAACAGAGTCCTATTCAGACTTTCATATGTTTTAAAGATCGGAAGAGCGGTTCAG
chr11	118369968	118370007	MLL_4746	-	GTGACCTATGCACCAGACGTACCCATGGTAGCTGTTAATAGGCTGTCCCTTTGCACATTAAGATCGGAAGAGCGGTTCAG
chr11	118371652	118371691	MLL_4747	-	GTGACCTATGCACCAGACGTAGATTTGGGAAAATCATCATAAGGGAGAGGATAGAAGCAGAGATCGGAAGAGCGGTTCAG
chr11	118372337	118372376	MLL_4748	-	GTGACCTATGCACCAGACGTAAATAAAAACTCTTAACTAAAAAGGCCCAATTAAAATATCAGATCGGAAGAGCGGTTCAG
chr11	118373063	118373102	MLL_4749	-	GTGACCTATGCACCAGACGTGAGAAAAAGTAATAAATGCTATTGTAGATAGAACAAATGTAGATCGGAAGAGCGGTTCAG
chr11	118378194	118378233	MLL_4750	-	GTGACCTATGCACCAGACGTGGCATTTGTATCTTTTCAAGACAAACCACCAGTAAATATGAGATCGGAAGAGCGGTTCAG
chr11	118379801	118379840	MLL_4751	-	GTGACCTATGCACCAGACGTACCAAATGTAAGATATAATATCAGCTAGTTCTTCAATTCAAGATCGGAAGAGCGGTTCAG
chr11	118382616	118382655	MLL_4752	-	GTGACCTATGCACCAGACGTATAAAGAAAACCCGTAAGCCAGAAAATATGCACGTAAACCAGATCGGAAGAGCGGTTCAG
chr11	118390283	118390322	MLL_4753	-	GTGACCTATGCACCAGACGTCAGAAGCACCAGGGAAGTGAGGAGCGCAGTCAACAGGAAAAGATCGGAAGAGCGGTTCAG
chr11	118390622	118390661	MLL_4754	-	GTGACCTATGCACCAGACGTAAGATTAAAACATATTTAGAGAAATGCTTTAATAAAGCAGAGATCGGAAGAGCGGTTCAG
chr11	118391467	118391506	MLL_4755	-	GTGACCTATGCACCAGACGTAGACATACTATTAACGAATTTTTTTCAGGAAATAATGTTTAGATCGGAAGAGCGGTTCAG
chr11	118391953	118391992	MLL_4756	-	GTGACCTATGCACCAGACGTGATGGAAAAGAGGTCAGACACAAATTTTGCAAGTAAGGTTAGATCGGAAGAGCGGTTCAG

chr11	118392562	118392601	MLL_4757	-	GTGACCTATGCACCAGACGTAGAAGAAGGGAGAAGAACTTGTCATTTCTTATAAACTCAGAGATCGGAAGAGCGGTTCAG
chr11	118342769	118342808	MLL_4758	-	GTGACCTATGCACCAGACGTTCCTTTCTGTTGATGGAGGCCTTCCTCTCCGTCGTACAATAGATCGGAAGAGCGGTTCAG
chr11	118343211	118343250	MLL_4759	-	GTGACCTATGCACCAGACGTGAAGATCCACAGGACGGGGCACTGAATCTACTATTCGGTGAGATCGGAAGAGCGGTTCAG
chr11	118343653	118343692	MLL_4760	-	GTGACCTATGCACCAGACGTCCCTTGCATAGGAGCAGTGGAAGCAGGCAAAAATGGTGATAGATCGGAAGAGCGGTTCAG
chr11	118344095	118344134	MLL_4761	-	GTGACCTATGCACCAGACGTAGTGAGAAGGAGATCTTGGTTCAGATCGAATAGGACTAAAAGATCGGAAGAGCGGTTCAG
chr11	118373535	118373574	MLL_4762	-	GTGACCTATGCACCAGACGTCAGATCCCTCTGAGCTCTTGGAACTCAGCACTTTGGTCTTAGATCGGAAGAGCGGTTCAG
chr11	118374007	118374046	MLL_4763	-	GTGACCTATGCACCAGACGTCGTTGGCCCATATACTCAGGAGTCAAAACCTCATCCATAAAGATCGGAAGAGCGGTTCAG
chr11	118374479	118374518	MLL_4764	-	GTGACCTATGCACCAGACGTGAGTGGGGTAAGCCCAAAAAACATGTTAGAACGTGCACGGAGATCGGAAGAGCGGTTCAG
chr11	118374951	118374990	MLL_4765	-	GTGACCTATGCACCAGACGTGTGTTTTAACTCTGCTTACAGAATGGCAGTTATCCATCTTAGATCGGAAGAGCGGTTCAG
chr11	118375423	118375462	MLL_4766	-	GTGACCTATGCACCAGACGTAGTCTACTGGGATTCTGGCTGGGGACAGTGGGACTCCGGGAGATCGGAAGAGCGGTTCAG
chr11	118375895	118375934	MLL_4767	-	GTGACCTATGCACCAGACGTAGAGGTCAATTGGATTTTTTGGGTCACTCCATTTGGAAGAAGATCGGAAGAGCGGTTCAG
chr11	118376367	118376406	MLL_4768	-	GTGACCTATGCACCAGACGTTAGGAAGCTGGGAGGGTGTGAAGTTAATCAATGTCATATTAGATCGGAAGAGCGGTTCAG
chr11	118376839	118376878	MLL_4769	-	GTGACCTATGCACCAGACGTGTTATTGCAGCAGTAGAGGGGGTCTGTGATGTCCCCAGTTAGATCGGAAGAGCGGTTCAG
chr7	151833867	151833906	MLL3_4770	-	GTGACCTATGCACCAGACGTTTGCTAGCTCAGCGGGCGGCTTGTCCCTAGGAAGAGGCGAAGATCGGAAGAGCGGTTCAG
chr7	151835831	151835870	MLL3_4771	-	GTGACCTATGCACCAGACGTGAGAGATTGCATCTGCCATGTTGTTCAGATCCTGGGCGAAAGATCGGAAGAGCGGTTCAG
chr7	151836221	151836260	MLL3_4772	-	GTGACCTATGCACCAGACGTGAGGAACCTGACGGGGAGTGCTTTTGCTTGTGGGGCCAGTAGATCGGAAGAGCGGTTCAG
chr7	151836710	151836749	MLL3_4773	-	GTGACCTATGCACCAGACGTGGTCCCCGAGATTGTATACACAGCACCATCATCCTCTCCCAGATCGGAAGAGCGGTTCAG
chr7	151841748	151841787	MLL3_4774	-	GTGACCTATGCACCAGACGTACTTTGTGTACAGGAAGTGGAGAGACAGGGTGGAGTCTAGAGATCGGAAGAGCGGTTCAG
chr7	151842188	151842227	MLL3_4775	-	GTGACCTATGCACCAGACGTTTAACTTCACATAGTACAGCCCAGGGTTTCTAGGCGTATTAGATCGGAAGAGCGGTTCAG
chr7	151843634	151843673	MLL3_4776	-	GTGACCTATGCACCAGACGTTGGTCAGGCTTTGAGATTGGAATTGCTTTCCTGATTCAGTAGATCGGAAGAGCGGTTCAG
chr7	151845068	151845107	MLL3_4777	-	GTGACCTATGCACCAGACGTCCGTTCACATGCTGTGCAGTGCTACTTACTCTGATGTCAGAGATCGGAAGAGCGGTTCAG
chr7	151848477	151848516	MLL3_4778	-	GTGACCTATGCACCAGACGTACTCCTTTTATGACCCCACCTCCTACCTCCAGCGAAAATGAGATCGGAAGAGCGGTTCAG
chr7	151849740	151849779	MLL3_4779	-	GTGACCTATGCACCAGACGTGAGCTTTTTGTTAACCCCAAATCCATTCCTGATTCAAAAGAGATCGGAAGAGCGGTTCAG
chr7	151851045	151851084	MLL3_4780	-	GTGACCTATGCACCAGACGTAAATGACTTCTTAATGTTAAACAGTATGTCCCCAATTTTCAGATCGGAAGAGCGGTTCAG
chr7	151851302	151851341	MLL3_4781	-	GTGACCTATGCACCAGACGTCACTTAACCTTATTATTTCCCTTTACACTACGCCAATTTAAGATCGGAAGAGCGGTTCAG
chr7	151852945	151852984	MLL3_4782	-	GTGACCTATGCACCAGACGTTTTTTTTTCTCAAATAATTCTTAGTTATTTCTTCTTTTAAAAGATCGGAAGAGCGGTTCAG
chr7	151853240	151853279	MLL3_4783	-	GTGACCTATGCACCAGACGTAGCCTCCAAATTTCACACCTCGGAGAAATGTGCCTCTGCCAGATCGGAAGAGCGGTTCAG
chr7	151859152	151859191	MLL3_4784	-	GTGACCTATGCACCAGACGTATCATAAAAACGACAACTTTTTTCTTTTGTTTTAAATTATAGATCGGAAGAGCGGTTCAG
chr7	151864181	151864220	MLL3_4785	-	GTGACCTATGCACCAGACGTGGTTTGCAAAATAGAAACTACCAACAATTAATGAGTAGAAAGATCGGAAGAGCGGTTCAG
chr7	151866221	151866260	MLL3_4786	-	GTGACCTATGCACCAGACGTATCTAATAAGTTAATGTTTTCTGGGGATTGCTTGTCTGCAAGATCGGAAGAGCGGTTCAG
chr7	151868299	151868338	MLL3_4787	-	GTGACCTATGCACCAGACGTCTGTAATGAGTCCCTCTAGAATGCACGCTTTTCTGTTTCCAGATCGGAAGAGCGGTTCAG
chr7	151871166	151871205	MLL3_4788	-	GTGACCTATGCACCAGACGTTGGCTGCTTGTTTCTACTGGGCATCTAGACATTCATGAAAAGATCGGAAGAGCGGTTCAG
chr7	151873226	151873265	MLL3_4789	-	GTGACCTATGCACCAGACGTTCTTGAGTCTCAACGTATATTACTATGGGTATTAGAGTGGAGATCGGAAGAGCGGTTCAG
chr7	151876869	151876908	MLL3_4790	-	GTGACCTATGCACCAGACGTTAATTTCCTGCCGAATTTAAATTGCTATTAGAAGAGGGAAAGATCGGAAGAGCGGTTCAG
chr7	151877746	151877785	MLL3_4791	-	GTGACCTATGCACCAGACGTTGTATGTTCTCAGTTTTAAATGTATTATTTGAGGAAGCTGAGATCGGAAGAGCGGTTCAG
chr7	151880009	151880048	MLL3_4792	-	GTGACCTATGCACCAGACGTTTTGGATAATCTACTTTTTGAAGTTGCATTTTTGTTTTGAAGATCGGAAGAGCGGTTCAG
chr7	151882593	151882632	MLL3_4793	-	GTGACCTATGCACCAGACGTAAACTCCTCTATCTTTTAAATATTTAAATACAGTGCTTGAAGATCGGAAGAGCGGTTCAG
chr7	151884297	151884336	MLL3_4794	-	GTGACCTATGCACCAGACGTAATATATTATTTCTGTTTTACCAACATTTTCACATGTGCAAGATCGGAAGAGCGGTTCAG
chr7	151884750	151884789	MLL3_4795	-	GTGACCTATGCACCAGACGTTATTTTCTATGGAAACTTAAATTGCACTAATTTCTGTTTGAGATCGGAAGAGCGGTTCAG
chr7	151891044	151891083	MLL3_4796	-	GTGACCTATGCACCAGACGTACTTTATAATTCTACATTATATTCACACACATGTGTATATAGATCGGAAGAGCGGTTCAG
chr7	151891264	151891303	MLL3_4797	-	GTGACCTATGCACCAGACGTTTTGATTTTCTAGTTAATGAAAATGGCGTTCCCCATACCAAGATCGGAAGAGCGGTTCAG
chr7	151891475	151891514	MLL3_4798	-	GTGACCTATGCACCAGACGTTGCCCTACATCTAGGCTTTCTAAAAGACCTGAGTAAATATAGATCGGAAGAGCGGTTCAG
chr7	151892942	151892981	MLL3_4799	-	GTGACCTATGCACCAGACGTATACTGTTTACCCTTTTTCTGGTTTCTGATGTGAGCGAGAAGATCGGAAGAGCGGTTCAG
chr7	151896314	151896353	MLL3_4800	-	GTGACCTATGCACCAGACGTTTATTCACAGATATTTTCTTTATATCATATAACATACATCAGATCGGAAGAGCGGTTCAG
chr7	151899969	151900008	MLL3_4801	-	GTGACCTATGCACCAGACGTGCTTTACATTATTTTACATGGTTTGTTAATTGAGGAAATAAGATCGGAAGAGCGGTTCAG
chr7	151904335	151904374	MLL3_4802	-	GTGACCTATGCACCAGACGTTGAGGTAGACATTTCAATATCATCAACACTTGGTTAATTAAGATCGGAAGAGCGGTTCAG
chr7	151917558	151917597	MLL3_4803	-	GTGACCTATGCACCAGACGTTTTATTTTCCATGAAATATGTGTGCAAGAATTAAAGCATAAGATCGGAAGAGCGGTTCAG
chr7	151919036	151919075	MLL3_4804	-	GTGACCTATGCACCAGACGTAAATGCTTTACTTGATTTAATTAATTTACTTTGCTTAATTAGATCGGAAGAGCGGTTCAG
chr7	151919608	151919647	MLL3_4805	-	GTGACCTATGCACCAGACGTAATTTAAACTGTGAGTCTGCACTCTTGTACCACTCACTTGAGATCGGAAGAGCGGTTCAG
chr7	151921050	151921089	MLL3_4806	-	GTGACCTATGCACCAGACGTATTTTTTCATCTTTTTAAAGCTTTTCTCTTTGAAATGTAGAGATCGGAAGAGCGGTTCAG
chr7	151921470	151921509	MLL3_4807	-	GTGACCTATGCACCAGACGTGTTTGTTTGCCTTGTTAGTCTTTCAAGTTCAGAGCTTTCTAGATCGGAAGAGCGGTTCAG
chr7	151926958	151926997	MLL3_4808	-	GTGACCTATGCACCAGACGTTTAAATTGAGTTAACAAATATGTATTGAATTTTTATTTGGAGATCGGAAGAGCGGTTCAG
chr7	151927255	151927294	MLL3_4809	-	GTGACCTATGCACCAGACGTGACAATTTACTGTCTTCCTCATTGAATTCCTCCTTGCACAAGATCGGAAGAGCGGTTCAG
chr7	151932852	151932891	MLL3_4810	-	GTGACCTATGCACCAGACGTCTTCATGTATATTTTCTCTAATCTAAATGTCAGTTAATGAAGATCGGAAGAGCGGTTCAG
chr7	151935742	151935781	MLL3_4811	-	GTGACCTATGCACCAGACGTTTGCATTTACATTCATATATCATTTCTGTCTGATTTGTTTAGATCGGAAGAGCGGTTCAG
chr7	151944937	151944976	MLL3_4812	-	GTGACCTATGCACCAGACGTTTTAATGATATTGACAGAAAAGATATTGGAACAATTCTATAGATCGGAAGAGCGGTTCAG
chr7	151946911	151946950	MLL3_4813	-	GTGACCTATGCACCAGACGTTGTTCATATTGTCTAATTTGATTGAGTTACAAGATAATGTAGATCGGAAGAGCGGTTCAG
chr7	151947888	151947927	MLL3_4814	-	GTGACCTATGCACCAGACGTTTAATGGATATACTCTGTTTTTGAAGAAAATGTGTATATAAGATCGGAAGAGCGGTTCAG

chr7	151948974	151949013	MLL3_4815	-	GTGACCTATGCACCAGACGTGAATGATTTTTTTTTAAATTTTTTGTTTTTGTAATGTTGTAGATCGGAAGAGCGGTTCAG
chr7	151949581	151949620	MLL3_4816	-	GTGACCTATGCACCAGACGTAGTTATTCTATTCAGTTGTTTTGTCGATTGTTTTATTCATAGATCGGAAGAGCGGTTCAG
chr7	151962073	151962112	MLL3_4817	-	GTGACCTATGCACCAGACGTATTTCAATTCAAAGCTGTGTATTGGGTTTAAGAGGGACCCAGATCGGAAGAGCGGTTCAG
chr7	151970740	151970779	MLL3_4818	-	GTGACCTATGCACCAGACGTTACGGATAGACTTTTAAACTTCAACCAATGTATTTACTGAAGATCGGAAGAGCGGTTCAG
chr7	152007001	152007040	MLL3_4819	-	GTGACCTATGCACCAGACGTAAAGCAAATATTTAAATCATAGTTTTATAACATTCACTTTAGATCGGAAGAGCGGTTCAG
chr7	152008833	152008872	MLL3_4820	-	GTGACCTATGCACCAGACGTGTTTTCAATAATGACTGCCTCTTAATTCTGGAAGCATTTTAGATCGGAAGAGCGGTTCAG
chr7	152012173	152012212	MLL3_4821	-	GTGACCTATGCACCAGACGTTCGACTTTAAATGTTGGAATAGATTAAGACTGCATATAATAGATCGGAAGAGCGGTTCAG
chr7	152027636	152027675	MLL3_4822	-	GTGACCTATGCACCAGACGTGAATGCAGCTGGATTGGATATTAGTGACAGGAATAAAGCAAGATCGGAAGAGCGGTTCAG
chr7	152055622	152055661	MLL3_4823	-	GTGACCTATGCACCAGACGTTCAAGAATTTATAAGAATGTATAATGATGCTTTGCATATGAGATCGGAAGAGCGGTTCAG
chr7	152132661	152132700	MLL3_4824	-	GTGACCTATGCACCAGACGTTGCGAGGGAGCCAGGCCGGGAGCCAGCGGCGGCGCCGGGCAGATCGGAAGAGCGGTTCAG
chr7	151945296	151945335	MLL3_4825	-	GTGACCTATGCACCAGACGTAAATTCTGAACTTTCTACTGGATTGATGGACTCTGAAATGAGATCGGAAGAGCGGTTCAG
chr7	151845441	151845480	MLL3_4826	-	GTGACCTATGCACCAGACGTTTCATGAGCAAGAATTAAGTTACTTTGCAGTCTTCAGGAGAGATCGGAAGAGCGGTTCAG
chr7	151845814	151845853	MLL3_4827	-	GTGACCTATGCACCAGACGTGGCACTTCCCTTAAACCTGATCCTGTGCCCAAAGACTATCAGATCGGAAGAGCGGTTCAG
chr7	151859579	151859618	MLL3_4828	-	GTGACCTATGCACCAGACGTAACAAACTGCCCAATAGTGATTTCTCACAAGCAACTCCAAAGATCGGAAGAGCGGTTCAG
chr7	151873681	151873720	MLL3_4829	-	GTGACCTATGCACCAGACGTCCACCAACTCTGCCGGCCTCCCCATCCAATCATGTGTCAAAGATCGGAAGAGCGGTTCAG
chr7	151878217	151878256	MLL3_4830	-	GTGACCTATGCACCAGACGTCAGAGGGTTTTACTAGGTCCTCAATGACAAGACCAGTCCTAGATCGGAAGAGCGGTTCAG
chr7	151860006	151860045	MLL3_4831	-	GTGACCTATGCACCAGACGTTTCTGGGACCAGCTTCCAGCAGTCCCCAGTGAGGCCTTCTAGATCGGAAGAGCGGTTCAG
chr7	151874136	151874175	MLL3_4832	-	GTGACCTATGCACCAGACGTAGTGTGTATCTGTTGAACCAAAAAAAAAGGAACAAGAAAAAGATCGGAAGAGCGGTTCAG
chr7	151878688	151878727	MLL3_4833	-	GTGACCTATGCACCAGACGTAAAGGCCTGCTTTGACACCAAGACCTATAGATAATTTTTCAGATCGGAAGAGCGGTTCAG
chr7	151860433	151860472	MLL3_4834	-	GTGACCTATGCACCAGACGTAACGGGAACGTAAGGAACGTTTACGAGAACAGCAAGAGAGAGATCGGAAGAGCGGTTCAG
chr7	151874591	151874630	MLL3_4835	-	GTGACCTATGCACCAGACGTTCATTCTGTCCATTCATCTTCTATGGTCATGAGGACTCTGAGATCGGAAGAGCGGTTCAG
chr7	151879159	151879198	MLL3_4836	-	GTGACCTATGCACCAGACGTGAAGAAATTCTGCTGCACCAGTGGAAAACTGTACACCTTTAGATCGGAAGAGCGGTTCAG
chr3	49924690	49924729	MST1R_4837	-	GTGACCTATGCACCAGACGTGGGCTGGACCTGCTTAGCTGCCTTGAGCTAACCCCAAGCTAGATCGGAAGAGCGGTTCAG
chr3	49927868	49927907	MST1R_4838	-	GTGACCTATGCACCAGACGTACCTGCCCTACAGTCCACATGGCTTTGGCACCCAAGAACAAGATCGGAAGAGCGGTTCAG
chr3	49928580	49928619	MST1R_4839	-	GTGACCTATGCACCAGACGTAGAGTAGCTGGGGTGAAGCAAAAGGACAGGGCATGAGGGTAGATCGGAAGAGCGGTTCAG
chr3	49928782	49928821	MST1R_4840	-	GTGACCTATGCACCAGACGTATCTGGCTCTGGGTTGGGGGCTGGGCAGCAGCTGGAGAAGAGATCGGAAGAGCGGTTCAG
chr3	49929141	49929180	MST1R_4841	-	GTGACCTATGCACCAGACGTCAGAAGATGGGAAGGCAGAGGGAGGGGCCTCAGGCTGGGAAGATCGGAAGAGCGGTTCAG
chr3	49932550	49932589	MST1R_4842	-	GTGACCTATGCACCAGACGTCAGGTGGGGCTGGGGCAGAGATGGAGTCTCAAGATGACATAGATCGGAAGAGCGGTTCAG
chr3	49932830	49932869	MST1R_4843	-	GTGACCTATGCACCAGACGTGGAGGCATGAGAAGCTAAAGCCACCCCCTGTCCCTACAAGAGATCGGAAGAGCGGTTCAG
chr3	49933098	49933137	MST1R_4844	-	GTGACCTATGCACCAGACGTTGCTCCTACCTTTAATCAGCCCCTACCCCCAACCAATGGCAGATCGGAAGAGCGGTTCAG
chr3	49933344	49933383	MST1R_4845	-	GTGACCTATGCACCAGACGTCAGCTGGACCTCCCTGGGAAACACGGGCAGAGGGCCTACAAGATCGGAAGAGCGGTTCAG
chr3	49933578	49933617	MST1R_4846	-	GTGACCTATGCACCAGACGTGGGATAGGGGCAGGGACAGTTGGGGATCTGAAAGTAGGGGAGATCGGAAGAGCGGTTCAG
chr3	49933923	49933962	MST1R_4847	-	GTGACCTATGCACCAGACGTGCTGGCCAGGAGGGAGGAAGGCTGGATGAGTTCCCTGAGCAGATCGGAAGAGCGGTTCAG
chr3	49934112	49934151	MST1R_4848	-	GTGACCTATGCACCAGACGTCCTCTTTGCCCACTCTGGCCTCTGGGGAATGAGAGAGCCAAGATCGGAAGAGCGGTTCAG
chr3	49934663	49934702	MST1R_4849	-	GTGACCTATGCACCAGACGTCCAGGCAGGCATGGGAGGCCGCAGGGTTCTATCCAGGTGGAGATCGGAAGAGCGGTTCAG
chr3	49934903	49934942	MST1R_4850	-	GTGACCTATGCACCAGACGTCTTGCCCTGTCTGTGCCCTTGGCCAGTGCATGGTACGGGAAGATCGGAAGAGCGGTTCAG
chr3	49935434	49935473	MST1R_4851	-	GTGACCTATGCACCAGACGTGTCCCTCCCCTCCCTTTCCCTGAAGGGGGAAACCAAGCAGAGATCGGAAGAGCGGTTCAG
chr3	49935901	49935940	MST1R_4852	-	GTGACCTATGCACCAGACGTCCTGGCAGGGCACAGGTAAGAGTGGGACAGGCTGGGCCTGAGATCGGAAGAGCGGTTCAG
chr3	49936250	49936289	MST1R_4853	-	GTGACCTATGCACCAGACGTCAGGGGCAGGGCCTGGGGCCAGGGTTGTGGGATCACAGACAGATCGGAAGAGCGGTTCAG
chr3	49936458	49936497	MST1R_4854	-	GTGACCTATGCACCAGACGTATCCCCACAGTCCCCTAGCCCTGGGTCCTTGTCTCCATCCAGATCGGAAGAGCGGTTCAG
chr3	49939763	49939802	MST1R_4855	-	GTGACCTATGCACCAGACGTAGAAGGGGCCCTTACTTGTGAGCTGCATGCACATGGCTGAAGATCGGAAGAGCGGTTCAG
chr3	49940173	49940212	MST1R_4856	-	GTGACCTATGCACCAGACGTCACACGCCTGGCACGGCTTAGCGCCACTGAGCCAGAGTTGAGATCGGAAGAGCGGTTCAG
chr3	49940583	49940622	MST1R_4857	-	GTGACCTATGCACCAGACGTGGCCGCTGCTTCCTGCATGACCTAGAGCCCCAAGGGACAGAGATCGGAAGAGCGGTTCAG
chr1	155158561	155158600	MUC1_4858	-	GTGACCTATGCACCAGACGTCCCGCTGAGCTGAGTGGCCAGCCAGTGCCATTCCACTCCAAGATCGGAAGAGCGGTTCAG
chr1	155159651	155159690	MUC1_4859	-	GTGACCTATGCACCAGACGTGCCCCACAGGCCAGGGGAAGCAGAGGGTTTGGCTGGGCAAAGATCGGAAGAGCGGTTCAG
chr1	155159881	155159920	MUC1_4860	-	GTGACCTATGCACCAGACGTTCCCTGGCCCTGATCAGAGCCCCCCGGTAGAAGGCACTCCAGATCGGAAGAGCGGTTCAG
chr1	155160148	155160187	MUC1_4861	-	GTGACCTATGCACCAGACGTTTCCCTGGCTGCAGCCCAGCACCATGCCGGGGCCCCTCTCAGATCGGAAGAGCGGTTCAG
chr1	155160434	155160473	MUC1_4862	-	GTGACCTATGCACCAGACGTGGGTGTGGACCCAGTGTGGTGGTTGGAGGGTGGGTGGTGGAGATCGGAAGAGCGGTTCAG
chr1	155160589	155160628	MUC1_4863	-	GTGACCTATGCACCAGACGTGCCTTTCCTTCCCCATGCTCCCCTGAAGCAGCCATCAGAAAGATCGGAAGAGCGGTTCAG
chr1	155161924	155161963	MUC1_4864	-	GTGACCTATGCACCAGACGTCCAGCAGCGTACTCTCCAGCCACAGCCCCGGTTCAGGCTCAGATCGGAAGAGCGGTTCAG
chr1	155162527	155162566	MUC1_4865	-	GTGACCTATGCACCAGACGTCGAGGTGGGGAGTGGGCTGCCCTGCTTAGGTGGTCTTCGTAGATCGGAAGAGCGGTTCAG
chr10	76602566	76602605	MYST4_4866	-	GTGACCTATGCACCAGACGTTGACTTCTTCAACACAAAAGTTACCCATAGAGGTTCTCTTAGATCGGAAGAGCGGTTCAG
chr10	76719678	76719717	MYST4_4867	-	GTGACCTATGCACCAGACGTATTAAAATAAAAAATACTGTCACTTTTCCATTTCAAAAGTAGATCGGAAGAGCGGTTCAG
chr10	76729368	76729407	MYST4_4868	-	GTGACCTATGCACCAGACGTAAAAAGCAAATTGCTTGATGGGAATGGTGCCTTTGACTTTAGATCGGAAGAGCGGTTCAG
chr10	76729728	76729767	MYST4_4869	-	GTGACCTATGCACCAGACGTACATATTAGAGACTAATTGAGACTGAAACCAACTGTAAAAAGATCGGAAGAGCGGTTCAG
chr10	76732215	76732254	MYST4_4870	-	GTGACCTATGCACCAGACGTATATATATGAGAAAAATATTTTAATGTTTCATTTTAAGAGAGATCGGAAGAGCGGTTCAG
chr10	76735107	76735146	MYST4_4871	-	GTGACCTATGCACCAGACGTATTTAGAGAATAGTATCAGCATTTAATAAATAGAATTATAAGATCGGAAGAGCGGTTCAG
chr10	76737024	76737063	MYST4_4872	-	GTGACCTATGCACCAGACGTAAACCAGCAGAAAGTGTATTCACTGACTTGAATCATGAGTAGATCGGAAGAGCGGTTCAG

chr10	76738932	76738971	MYST4_4873	-	GTGACCTATGCACCAGACGTGAAAGAAAAGGAAAATAATAATATATATACTTCACTTACAAGATCGGAAGAGCGGTTCAG
chr10	76741495	76741534	MYST4_4874	-	GTGACCTATGCACCAGACGTTTAAAAATCATAGAATCTATCAGATAGATTATACTGTTGGAGATCGGAAGAGCGGTTCAG
chr10	76744788	76744827	MYST4_4875	-	GTGACCTATGCACCAGACGTGAAACAGACAACATTATTTAACATAAAAATACTGCACCATAGATCGGAAGAGCGGTTCAG
chr10	76748727	76748766	MYST4_4876	-	GTGACCTATGCACCAGACGTGAGAAACAGATCAAGTATGTCAGAGCCCTGCTGAAGTGGGAGATCGGAAGAGCGGTTCAG
chr10	76780290	76780329	MYST4_4877	-	GTGACCTATGCACCAGACGTAAAAATAAATGGGCATTCCTCACTGTGGCATTCCCAGAGCAGATCGGAAGAGCGGTTCAG
chr10	76780834	76780873	MYST4_4878	-	GTGACCTATGCACCAGACGTATAAGGCAGAACAAGATGTAATCACAAGCTGAAATTTCACAGATCGGAAGAGCGGTTCAG
chr10	76781589	76781628	MYST4_4879	-	GTGACCTATGCACCAGACGTAGGGTAAAAATGGTGGCCAGTGAGAGGGCAGTTACACAGCAGATCGGAAGAGCGGTTCAG
chr10	76784666	76784705	MYST4_4880	-	GTGACCTATGCACCAGACGTTTCCAAACATAACACATAAGAGCTCATGAGAAATTAAATGAGATCGGAAGAGCGGTTCAG
chr10	76788197	76788236	MYST4_4881	-	GTGACCTATGCACCAGACGTAGACAAAAACGGGAAGGAAAAAAAACAGTCTTAGAAAGCAAGATCGGAAGAGCGGTTCAG
chr10	76602876	76602915	MYST4_4882	-	GTGACCTATGCACCAGACGTATTACATGATCCTCTAGACCCCTTGGCTGACTTAGGAAAAAGATCGGAAGAGCGGTTCAG
chr10	76735573	76735612	MYST4_4883	-	GTGACCTATGCACCAGACGTCTGGGGCTCTGACCGGAGATGGGGGTTGGGGGTGGAAGTGAGATCGGAAGAGCGGTTCAG
chr10	76789049	76789088	MYST4_4884	-	GTGACCTATGCACCAGACGTAGATTCGGGTACAGCTTCAGGGTCCCCAGCAAGCTCCTTGAGATCGGAAGAGCGGTTCAG
chr10	76789475	76789514	MYST4_4885	-	GTGACCTATGCACCAGACGTCATGTTCTGCAGAGATGGCACTGAGATGGCACTTTGATCTAGATCGGAAGAGCGGTTCAG
chr10	76789901	76789940	MYST4_4886	-	GTGACCTATGCACCAGACGTCTCGGGGATTTCAGCCAGCTGCATGGGTGGGGTGAAGTTAAGATCGGAAGAGCGGTTCAG
chr10	76790327	76790366	MYST4_4887	-	GTGACCTATGCACCAGACGTCTTGGTTCTCATGGAGATGTGGCCCTTGCTGGCAATCTGGAGATCGGAAGAGCGGTTCAG
chr12	78225192	78225231	NAV3_4888	-	GTGACCTATGCACCAGACGTAAATTATCTTCTTGCTGCCAAAGAAAATGCTTCTAACCTCAGATCGGAAGAGCGGTTCAG
chr12	78334049	78334088	NAV3_4889	-	GTGACCTATGCACCAGACGTGAGAGAAGGAAAAAGTGAGATGGGGTGAGGGAAAACAGAGAGATCGGAAGAGCGGTTCAG
chr12	78334811	78334850	NAV3_4890	-	GTGACCTATGCACCAGACGTGAGATAAAATAAAAGAGAGAAAAAAAGAACGACATGCTTAAGATCGGAAGAGCGGTTCAG
chr12	78359959	78359998	NAV3_4891	-	GTGACCTATGCACCAGACGTAAAAGCAGTGAAAAAGCAACTTAGAGGATTATATTTTAACAGATCGGAAGAGCGGTTCAG
chr12	78362249	78362288	NAV3_4892	-	GTGACCTATGCACCAGACGTTGAAAAATACAAAAAAAGAATCATATGTATTTAATGTCCTAGATCGGAAGAGCGGTTCAG
chr12	78388533	78388572	NAV3_4893	-	GTGACCTATGCACCAGACGTAGAAACAGAGAAATTGAATTAAAGAGATTCTTTGAACATGAGATCGGAAGAGCGGTTCAG
chr12	78392067	78392106	NAV3_4894	-	GTGACCTATGCACCAGACGTATAAGAAAAATTACATCATTATTGTACATTACAAAAAGGTAGATCGGAAGAGCGGTTCAG
chr12	78400149	78400188	NAV3_4895	-	GTGACCTATGCACCAGACGTTTTAGAAGAAAAATAAAGAAAAGGCGATTAATCTTGATCAAGATCGGAAGAGCGGTTCAG
chr12	78415477	78415516	NAV3_4896	-	GTGACCTATGCACCAGACGTCCATGAAAATAGAAAGAAATAGCAGTTATAGTCACTAGTCAGATCGGAAGAGCGGTTCAG
chr12	78443723	78443762	NAV3_4897	-	GTGACCTATGCACCAGACGTAATATGATAAATTTGCTATTCATGACATTTAGTATCCTCAAGATCGGAAGAGCGGTTCAG
chr12	78444494	78444533	NAV3_4898	-	GTGACCTATGCACCAGACGTAAATGGAGAAATAACTATACTCTGGTTCACTTAGGGCCATAGATCGGAAGAGCGGTTCAG
chr12	78452726	78452765	NAV3_4899	-	GTGACCTATGCACCAGACGTATGTCTAATTAATTCACAGAAAACTAAATCAACTCAACTGAGATCGGAAGAGCGGTTCAG
chr12	78510502	78510541	NAV3_4900	-	GTGACCTATGCACCAGACGTGACATGCAAGAGCAGTGAATCAAACACAGGATGCACAATGAGATCGGAAGAGCGGTTCAG
chr12	78511757	78511796	NAV3_4901	-	GTGACCTATGCACCAGACGTAAATATTACAGAAAAACTTTATGTAGAAAAATTTATAAAGAGATCGGAAGAGCGGTTCAG
chr12	78512967	78513006	NAV3_4902	-	GTGACCTATGCACCAGACGTAGAAATACACAAATATATGTGCCTGTAGAGTTTGATATCAAGATCGGAAGAGCGGTTCAG
chr12	78515670	78515709	NAV3_4903	-	GTGACCTATGCACCAGACGTAACAAATAACAACTTCAGTTGTTCCAAGAAGCTAATATCCAGATCGGAAGAGCGGTTCAG
chr12	78520897	78520936	NAV3_4904	-	GTGACCTATGCACCAGACGTAAAGAAAACCCCTAAGGACATAATGTAAACAAAACTTCCAAGATCGGAAGAGCGGTTCAG
chr12	78522436	78522475	NAV3_4905	-	GTGACCTATGCACCAGACGTGCACAGCTATGACACTTAAGCACATCTACAAGGGCAAGGCAGATCGGAAGAGCGGTTCAG
chr12	78530907	78530946	NAV3_4906	-	GTGACCTATGCACCAGACGTAAACACACAGAGCCTATTACTCTTAAGCTTGAAAGATGAAAGATCGGAAGAGCGGTTCAG
chr12	78534012	78534051	NAV3_4907	-	GTGACCTATGCACCAGACGTCAAACAGAACAATAGAGTTAAAACAATAAGGTCTACTCAAAGATCGGAAGAGCGGTTCAG
chr12	78540099	78540138	NAV3_4908	-	GTGACCTATGCACCAGACGTATAAAAAGAAAGACTTTAACTATAAAAACTATTTTCAATTAGATCGGAAGAGCGGTTCAG
chr12	78542572	78542611	NAV3_4909	-	GTGACCTATGCACCAGACGTTTAAAAAAATCAATGGAATAGGCAAGTAGATTTTTACTTAAGATCGGAAGAGCGGTTCAG
chr12	78552933	78552972	NAV3_4910	-	GTGACCTATGCACCAGACGTAATGGAAGAAACATAGTTTAAATGTCAGAATCTTATGTGGAGATCGGAAGAGCGGTTCAG
chr12	78562485	78562524	NAV3_4911	-	GTGACCTATGCACCAGACGTAACAGAGTTTGGAAGCTTTAGTACCCGAAAGAAAAATAAAAGATCGGAAGAGCGGTTCAG
chr12	78569036	78569075	NAV3_4912	-	GTGACCTATGCACCAGACGTAGGGAGAGTATCACATCGGCTCATGAAGAGTCTCGATCTGAGATCGGAAGAGCGGTTCAG
chr12	78570169	78570208	NAV3_4913	-	GTGACCTATGCACCAGACGTCATGAAAGAGTGTGGAATTACAAATCAAGGGAATGAAGGCAGATCGGAAGAGCGGTTCAG
chr12	78570871	78570910	NAV3_4914	-	GTGACCTATGCACCAGACGTGACAGAAATTACCCTTCTTGTCTATTTGCACTTGGAGAGCAGATCGGAAGAGCGGTTCAG
chr12	78573259	78573298	NAV3_4915	-	GTGACCTATGCACCAGACGTAAACAAACAGAATCAGTGGCCTGGGGAAGCCAGAGGATTAAGATCGGAAGAGCGGTTCAG
chr12	78574601	78574640	NAV3_4916	-	GTGACCTATGCACCAGACGTGATGGAAAACATGAAAAAAACTGAGTTGGTTTGATTGAGAAGATCGGAAGAGCGGTTCAG
chr12	78579331	78579370	NAV3_4917	-	GTGACCTATGCACCAGACGTTTAAAAGAAAGACATACACAACAGTATAACATTAGCTCAGAGATCGGAAGAGCGGTTCAG
chr12	78581978	78582017	NAV3_4918	-	GTGACCTATGCACCAGACGTACAAAATAAAGTAAGATAAAATCCAACCGTGTATCTTTTTAGATCGGAAGAGCGGTTCAG
chr12	78582339	78582378	NAV3_4919	-	GTGACCTATGCACCAGACGTACACACAAAAAATAAAATCAAAACAGAGGTTCAACTCATCAGATCGGAAGAGCGGTTCAG
chr12	78583714	78583753	NAV3_4920	-	GTGACCTATGCACCAGACGTAAACAAAAAAATAGCATGATTTATTGTTCTACATAAGCTAAGATCGGAAGAGCGGTTCAG
chr12	78590977	78591016	NAV3_4921	-	GTGACCTATGCACCAGACGTATGAAGAAAACAGATACGTCAGTGATAAATTTATACTAATAGATCGGAAGAGCGGTTCAG
chr12	78594203	78594242	NAV3_4922	-	GTGACCTATGCACCAGACGTATAAATAACAAAATATTTTAAGAGTTATATTTAATAATCTAGATCGGAAGAGCGGTTCAG
chr12	78598665	78598704	NAV3_4923	-	GTGACCTATGCACCAGACGTACCACGCGTTTAGGATATATATAAAATGCATTTCTATTCAAGATCGGAAGAGCGGTTCAG
chr12	78604128	78604167	NAV3_4924	-	GTGACCTATGCACCAGACGTAAAAAAGACATCGATGTAGGCAATGATGCATTGAGTAAGCAGATCGGAAGAGCGGTTCAG
chr12	78513321	78513360	NAV3_4925	-	GTGACCTATGCACCAGACGTGCTAACATGCAGCACAACATCATCCTGATTCTGTGAACCGAGATCGGAAGAGCGGTTCAG
chr12	78400491	78400530	NAV3_4926	-	GTGACCTATGCACCAGACGTACTGGGAGGCTGCGGGGGGCGTAAAGCAGTCCGGGCATTGAGATCGGAAGAGCGGTTCAG
chr12	78400833	78400872	NAV3_4927	-	GTGACCTATGCACCAGACGTTTCCTTCTTAGCTGCTGTTGTCTTGCTGCCCTTAGGGATCAGATCGGAAGAGCGGTTCAG
chr1	120457879	120457918	NOTCH2_4928	-	GTGACCTATGCACCAGACGTCTCCAGTGTAGAGACATAACTGACTTTTGTAAATGCTGCTAGATCGGAAGAGCGGTTCAG
chr1	120460238	120460277	NOTCH2_4929	-	GTGACCTATGCACCAGACGTTGGGCTCTGAGCTTGAGGAGGCTCATAGCAGTGCCTCAGTAGATCGGAAGAGCGGTTCAG
chr1	120460979	120461018	NOTCH2_4930	-	GTGACCTATGCACCAGACGTAAGGCAGGGATTTGGATTCTTACCTGCAAAGCATGCCTCTAGATCGGAAGAGCGGTTCAG

chr1	120462802	120462841	NOTCH2_4931	-	GTGACCTATGCACCAGACGTGGCCTCTTCCCCTCTTCACTGGGCTGTGTCTGCCCATGGTAGATCGGAAGAGCGGTTCAG
chr1	120464286	120464325	NOTCH2_4932	-	GTGACCTATGCACCAGACGTCATGGTAGAACCACCATTGTCAGCCATTATCTGGTTACATAGATCGGAAGAGCGGTTCAG
chr1	120464809	120464848	NOTCH2_4933	-	GTGACCTATGCACCAGACGTTTGCCAATAAGCCACTATTCACAGTATAAGTAGGGATGACAGATCGGAAGAGCGGTTCAG
chr1	120465209	120465248	NOTCH2_4934	-	GTGACCTATGCACCAGACGTCTGGTGTAAAGGGGAAAGGTGGCGGGGGAAGAGTGTCAATAGATCGGAAGAGCGGTTCAG
chr1	120466210	120466249	NOTCH2_4935	-	GTGACCTATGCACCAGACGTGGTTTCTGAACTTCAAGGCTAATTTTATGAAGCCTAGCACAGATCGGAAGAGCGGTTCAG
chr1	120467878	120467917	NOTCH2_4936	-	GTGACCTATGCACCAGACGTCACGTTTTCCAGAACTGAAGGGGACTGTCACTAACACACTAGATCGGAAGAGCGGTTCAG
chr1	120469072	120469111	NOTCH2_4937	-	GTGACCTATGCACCAGACGTTGTTGCTCATCTAAGAAGGGGCATTGTCTCTTCCATACAAAGATCGGAAGAGCGGTTCAG
chr1	120471549	120471588	NOTCH2_4938	-	GTGACCTATGCACCAGACGTCTCTAGCCTCCTGGCCACTCTGCCTTGGAGGATGGTTTTAAGATCGGAAGAGCGGTTCAG
chr1	120478045	120478084	NOTCH2_4939	-	GTGACCTATGCACCAGACGTATCCTTATCCATTTTCCATCCAGGGCATTGTCTTAAGTTAAGATCGGAAGAGCGGTTCAG
chr1	120479855	120479894	NOTCH2_4940	-	GTGACCTATGCACCAGACGTTGAGCAAGCAGAGGTCATGGACCTCCCAGGAGATTGTACAAGATCGGAAGAGCGGTTCAG
chr1	120480430	120480469	NOTCH2_4941	-	GTGACCTATGCACCAGACGTCTCCCTTGGGCTCAGGTCATTCACTGCAGTATTGACTGTCAGATCGGAAGAGCGGTTCAG
chr1	120483128	120483167	NOTCH2_4942	-	GTGACCTATGCACCAGACGTTCCTTCCCATTCACTCAGCTCCCCTAGAGCAGCTGAATATAGATCGGAAGAGCGGTTCAG
chr1	120484099	120484138	NOTCH2_4943	-	GTGACCTATGCACCAGACGTAGTCCCTCGGGCATCAGCATCTTACGAGAGAAAGGGAGAAAGATCGGAAGAGCGGTTCAG
chr1	120490987	120491026	NOTCH2_4944	-	GTGACCTATGCACCAGACGTCAGTCAGCTCTTAAGCCCCCAGAGGAGAGGAAAACACACAAGATCGGAAGAGCGGTTCAG
chr1	120491580	120491619	NOTCH2_4945	-	GTGACCTATGCACCAGACGTGGGTGTGGAGAAGCCAAGAACATGCATTCTGACTTTAAACAGATCGGAAGAGCGGTTCAG
chr1	120493297	120493336	NOTCH2_4946	-	GTGACCTATGCACCAGACGTGAGGTACCAGCAGGGACCAGAGGGGATACTTGACCTTGCTAGATCGGAAGAGCGGTTCAG
chr1	120496116	120496155	NOTCH2_4947	-	GTGACCTATGCACCAGACGTAAGTACATCTTTCTGCGTCTGCTCTTTGTCTTCTTGTTGTAGATCGGAAGAGCGGTTCAG
chr1	120497613	120497652	NOTCH2_4948	-	GTGACCTATGCACCAGACGTGCCCCATGTGATAGTTTCTTATTGACCTGTGTTAAGCCAGAGATCGGAAGAGCGGTTCAG
chr1	120501965	120502004	NOTCH2_4949	-	GTGACCTATGCACCAGACGTTTTTACTGCAAGGCCCCTCCTTCAGCCCTATCACTTTGGGAGATCGGAAGAGCGGTTCAG
chr1	120506147	120506186	NOTCH2_4950	-	GTGACCTATGCACCAGACGTTCTGTTTATGTTTGGTATGGGGTTTTCACTGTTTCTCAAAAGATCGGAAGAGCGGTTCAG
chr1	120508026	120508065	NOTCH2_4951	-	GTGACCTATGCACCAGACGTTCTCACTTTTCATCTCCTTGGTAGGTCCATCTGAACAAAAAGATCGGAAGAGCGGTTCAG
chr1	120508949	120508988	NOTCH2_4952	-	GTGACCTATGCACCAGACGTACGACCTGGCCCTGTTTTCTCTTAAAGCACAAAGCCAACTAGATCGGAAGAGCGGTTCAG
chr1	120510006	120510045	NOTCH2_4953	-	GTGACCTATGCACCAGACGTCCATCAGCATGTTGGGTCTAGAGAGGAGGGACTGTTCTGAAGATCGGAAGAGCGGTTCAG
chr1	120510650	120510689	NOTCH2_4954	-	GTGACCTATGCACCAGACGTAGAACTTTTTCTGTTCTGTGAAGTGTCTGTTGAGCTCAGCAGATCGGAAGAGCGGTTCAG
chr1	120512084	120512123	NOTCH2_4955	-	GTGACCTATGCACCAGACGTGAAGGACGGATCTAGAAACAGGGAAGGGGCAGGGGGCATTAGATCGGAAGAGCGGTTCAG
chr1	120529533	120529572	NOTCH2_4956	-	GTGACCTATGCACCAGACGTTGTGGAGAATCCACCAGAATGGGATATGGATTGGTAACCAAGATCGGAAGAGCGGTTCAG
chr1	120539570	120539609	NOTCH2_4957	-	GTGACCTATGCACCAGACGTCCCTAGTGTCCCAGGATTAGGGGACAAACCCCTAGCACAGAGATCGGAAGAGCGGTTCAG
chr1	120547902	120547941	NOTCH2_4958	-	GTGACCTATGCACCAGACGTAGACCAAAGCCAGTGGTTTCCTACCTTCAGCAGATACCTTAGATCGGAAGAGCGGTTCAG
chr1	120572479	120572518	NOTCH2_4959	-	GTGACCTATGCACCAGACGTCTCTTCATATATTTTCTTTTTGCGATAGAACACTGGACAAAGATCGGAAGAGCGGTTCAG
chr1	120611898	120611937	NOTCH2_4960	-	GTGACCTATGCACCAGACGTGGCTGAGGGGCGCTGTCCGCGGCGCCCGGGGCTGCCACCTAGATCGGAAGAGCGGTTCAG
chr1	120468131	120468170	NOTCH2_4961	-	GTGACCTATGCACCAGACGTCACCTGTCTGAGCCAGTATTGTGCCGACAAAGCTCGGGATAGATCGGAAGAGCGGTTCAG
chr1	120458342	120458381	NOTCH2_4962	-	GTGACCTATGCACCAGACGTCCCCAGCCTCAGTCCACCTGCCCTCCAGCTGTTGCGGGCCAGATCGGAAGAGCGGTTCAG
chr1	120458805	120458844	NOTCH2_4963	-	GTGACCTATGCACCAGACGTTCCAATGATTACATCCCCTGGGATCTTACAGGCCTCACCCAGATCGGAAGAGCGGTTCAG
chr5	176562055	176562094	NSD1_4964	-	GTGACCTATGCACCAGACGTCATCAACCTGGAATCCAAAAGCACAGCAATTAATCTGAGTAGATCGGAAGAGCGGTTCAG
chr5	176562122	176562161	NSD1_4965	-	GTGACCTATGCACCAGACGTTGGATTGGAAAAGGGCAGCAGACAATTTCTTCTGGGTAGTAGATCGGAAGAGCGGTTCAG
chr5	176562892	176562931	NSD1_4966	-	GTGACCTATGCACCAGACGTAAATTTATTGAGTTTAATTGCTCTTCTATTGTAATGTTTGAGATCGGAAGAGCGGTTCAG
chr5	176618835	176618874	NSD1_4967	-	GTGACCTATGCACCAGACGTACAAAACATGGGGCATCAATAAGAATCAAAATATTTTGAAAGATCGGAAGAGCGGTTCAG
chr5	176631071	176631110	NSD1_4968	-	GTGACCTATGCACCAGACGTGTAAGAGAACCAGAATCATTAGATCAAAGAAATTACTTCTAGATCGGAAGAGCGGTTCAG
chr5	176636587	176636626	NSD1_4969	-	GTGACCTATGCACCAGACGTAAGGAGAAAAAGAATTATCACTTATCAAAGAAATGGGTGGAGATCGGAAGAGCGGTTCAG
chr5	176662772	176662811	NSD1_4970	-	GTGACCTATGCACCAGACGTATAAACAAATTCAACATTAATCAAAAAGCTTCAGGAAAACAGATCGGAAGAGCGGTTCAG
chr5	176665188	176665227	NSD1_4971	-	GTGACCTATGCACCAGACGTAAAATAAAAATAGAGTCCACAGGCCAAAATTGTTGTAATTAGATCGGAAGAGCGGTTCAG
chr5	176666707	176666746	NSD1_4972	-	GTGACCTATGCACCAGACGTTGTATCTTTACATTAGATGATTTAGAAACTGGGCACAAGTAGATCGGAAGAGCGGTTCAG
chr5	176671146	176671185	NSD1_4973	-	GTGACCTATGCACCAGACGTGTGAAAACAACACCATTTACAGAGGAATGAAAAAATAAACAGATCGGAAGAGCGGTTCAG
chr5	176673629	176673668	NSD1_4974	-	GTGACCTATGCACCAGACGTAAAATAGGTGTTAACTGCTGGCTACTAACACACATGTCCAAGATCGGAAGAGCGGTTCAG
chr5	176675132	176675171	NSD1_4975	-	GTGACCTATGCACCAGACGTAAAAATAATGTCCCACATCTGTATTATTGATGTCTCTTCCAGATCGGAAGAGCGGTTCAG
chr5	176683902	176683941	NSD1_4976	-	GTGACCTATGCACCAGACGTAAAAGAAGATAAATTAGTAAGAATTCAAGAATCTACCAAAAGATCGGAAGAGCGGTTCAG
chr5	176686940	176686979	NSD1_4977	-	GTGACCTATGCACCAGACGTAAAATCAGGGACAAGCAAAAGAAAAACAAAAATATTAAATAGATCGGAAGAGCGGTTCAG
chr5	176694513	176694552	NSD1_4978	-	GTGACCTATGCACCAGACGTAAAAAAATGTGGCATTCAGATCACAAGACTGCAAGTCATGAGATCGGAAGAGCGGTTCAG
chr5	176696553	176696592	NSD1_4979	-	GTGACCTATGCACCAGACGTTGAAAAGGAGAAGGAAAACCTCTAGAAGGCTGCAAGGCATAGATCGGAAGAGCGGTTCAG
chr5	176700623	176700662	NSD1_4980	-	GTGACCTATGCACCAGACGTAGACAGCACAAGTCACTTCAAAATCTCTGGGTGGAATTACAGATCGGAAGAGCGGTTCAG
chr5	176707516	176707555	NSD1_4981	-	GTGACCTATGCACCAGACGTAACACAAAGTACACCGCATAAAACAAGTCAGCAGAAGACAAGATCGGAAGAGCGGTTCAG
chr5	176709416	176709455	NSD1_4982	-	GTGACCTATGCACCAGACGTAAATACCTCCTGACTTAATGGCAAAAAAGGACACTGGTATAGATCGGAAGAGCGGTTCAG
chr5	176710738	176710777	NSD1_4983	-	GTGACCTATGCACCAGACGTAAAAGAAGCTACACATCAGACTTCCTGAGACCTCTGCTGTAGATCGGAAGAGCGGTTCAG
chr5	176715770	176715809	NSD1_4984	-	GTGACCTATGCACCAGACGTGACCGTGAAAATATTAATATCTATGGTTTTAATTACATTAAGATCGGAAGAGCGGTTCAG
chr5	176718905	176718944	NSD1_4985	-	GTGACCTATGCACCAGACGTGATATTGAACAGTCAGCATTCTGTGAACACATTAGTACCAAGATCGGAAGAGCGGTTCAG
chr5	176720783	176720822	NSD1_4986	-	GTGACCTATGCACCAGACGTAGAAGTAAATCAAAAGTTTAGGAAAAAAGAGATACATATCAGATCGGAAGAGCGGTTCAG
chr5	176562518	176562557	NSD1_4987	-	GTGACCTATGCACCAGACGTCAGAAAGCCATTCTTGATAGTCTTTGTTACTTTTACCTGGAGATCGGAAGAGCGGTTCAG
chr5	176721190	176721229	NSD1_4988	-	GTGACCTATGCACCAGACGTTCAGTTCTCTCAAGAGGTCTTTCAGGTAGCAATGGCCTCTAGATCGGAAGAGCGGTTCAG

chr5	176721597	176721636	NSD1_4989	-	GTGACCTATGCACCAGACGTTCTCAGGAGGTGGGAGTCTCTGGGACAAAGAGGCATGGGGAGATCGGAAGAGCGGTTCAG
chr5	176722004	176722043	NSD1_4990	-	GTGACCTATGCACCAGACGTTCTTCCTGAGGCCTGAGTTGTTGGCTCATATAAAAAGGCCAGATCGGAAGAGCGGTTCAG
chr5	176637014	176637053	NSD1_4991	-	GTGACCTATGCACCAGACGTAAGTTCATTAGAGGCCTGCGTATCAGATATATCCCCAGAGAGATCGGAAGAGCGGTTCAG
chr5	176637441	176637480	NSD1_4992	-	GTGACCTATGCACCAGACGTTGTTTGTGGCAGCAAACCTAGAATACTTTATCTTTTCATTAGATCGGAAGAGCGGTTCAG
chr5	176637868	176637907	NSD1_4993	-	GTGACCTATGCACCAGACGTAGACCATCCACTTTCCCACTTTTAGAAATGCTGGCCAAAGAGATCGGAAGAGCGGTTCAG
chr5	176638295	176638334	NSD1_4994	-	GTGACCTATGCACCAGACGTAGGATTGGCGGAGTTCTGAGTGCCATCTCCCTTTTTCTCTAGATCGGAAGAGCGGTTCAG
chr5	176638722	176638761	NSD1_4995	-	GTGACCTATGCACCAGACGTTACCAGGATCAGATTGCTTAACCTTGCTATCGAAATGCACAGATCGGAAGAGCGGTTCAG
chr11	117023114	117023153	PAFAH1B2_4996	-	GTGACCTATGCACCAGACGTAGAAAAAACGTCTATGTCATGTTTCATTTGTTAACAGGAAAGATCGGAAGAGCGGTTCAG
chr11	117031811	117031850	PAFAH1B2_4997	-	GTGACCTATGCACCAGACGTAAAAACTTGATTTAGTGTACCTAAAACTAGGGGAAAGTTTAGATCGGAAGAGCGGTTCAG
chr11	117034436	117034475	PAFAH1B2_4998	-	GTGACCTATGCACCAGACGTAGAAAAAAGGGGGGAAGGAGAAGATAAATACCCAGGAACAAGATCGGAAGAGCGGTTCAG
chr11	117038087	117038126	PAFAH1B2_4999	-	GTGACCTATGCACCAGACGTGTGGAAAACATTAAATTAGAAGATTCACTTATTTTTCTCTAGATCGGAAGAGCGGTTCAG
chr20	9520059	9520098	PAK7_5000	-	GTGACCTATGCACCAGACGTCGTGTAGGTGGCAAAGCTAGATGAGGACATGAGAATAATTAGATCGGAAGAGCGGTTCAG
chr20	9523183	9523222	PAK7_5001	-	GTGACCTATGCACCAGACGTGCAGCTGTTGCTAAAGTTCAGAATAGTTTTTGGATTTTCCAGATCGGAAGAGCGGTTCAG
chr20	9524966	9525005	PAK7_5002	-	GTGACCTATGCACCAGACGTCACAGTCATAGGCGTGGCAGGACTGGGGACAGGCTCAGGGAGATCGGAAGAGCGGTTCAG
chr20	9538205	9538244	PAK7_5003	-	GTGACCTATGCACCAGACGTCATGTTTGGCCCGTTCGTAGTTTTTCTTGTCACTCTGTCTAGATCGGAAGAGCGGTTCAG
chr20	9543488	9543527	PAK7_5004	-	GTGACCTATGCACCAGACGTTTATTATCCAGAGAATTCGAGGTGCTTCTTATTCTTCTCCAGATCGGAAGAGCGGTTCAG
chr20	9546490	9546529	PAK7_5005	-	GTGACCTATGCACCAGACGTTGTTTGGGTCATCCTTTCTCTCCTTTGTAACATTTATTTCAGATCGGAAGAGCGGTTCAG
chr20	9560742	9560781	PAK7_5006	-	GTGACCTATGCACCAGACGTCTACCTCCTTTCCCTCACGTGTGCAAAAACCTCCACAGGGAGATCGGAAGAGCGGTTCAG
chr20	9624723	9624762	PAK7_5007	-	GTGACCTATGCACCAGACGTGGCTCCATCTTTGGCTGGGCTTAAGAATCATGCTCTTATTAGATCGGAAGAGCGGTTCAG
chr20	9561135	9561174	PAK7_5008	-	GTGACCTATGCACCAGACGTTGGACTCACTGAGCAAACCAAGTGAATACAGTGACCTCAAAGATCGGAAGAGCGGTTCAG
chr14	20811751	20811790	PARP2_5009	-	GTGACCTATGCACCAGACGTCGCTGACGTCATCAACCCGCTCCAAGGAATCGCGGGCCCAAGATCGGAAGAGCGGTTCAG
chr14	20813041	20813080	PARP2_5010	-	GTGACCTATGCACCAGACGTTGGAAATTAGCAAAGAATGAGTACACACCCGAATACGTGTAGATCGGAAGAGCGGTTCAG
chr14	20813503	20813542	PARP2_5011	-	GTGACCTATGCACCAGACGTACAGATAGGTACTACTTTATGGGAATCAAAAACAGCTGTTAGATCGGAAGAGCGGTTCAG
chr14	20814972	20815011	PARP2_5012	-	GTGACCTATGCACCAGACGTAGAGAGAGAAAAAATCAACATTAGTATAGGTTCAGCCCTGAGATCGGAAGAGCGGTTCAG
chr14	20818635	20818674	PARP2_5013	-	GTGACCTATGCACCAGACGTTGAAAACAAAAACAAAAAAAAGGAGTTTTGCAAATGGAAAAGATCGGAAGAGCGGTTCAG
chr14	20819156	20819195	PARP2_5014	-	GTGACCTATGCACCAGACGTAATGCCACACATAAGATAGTTCCCTAAGAGTAACAGGCCAAGATCGGAAGAGCGGTTCAG
chr14	20820354	20820393	PARP2_5015	-	GTGACCTATGCACCAGACGTCAAGGTGTAAGAAAACTTTACAAATAAAGGTCTACTATGAAGATCGGAAGAGCGGTTCAG
chr14	20822918	20822957	PARP2_5016	-	GTGACCTATGCACCAGACGTACCCAGAGATCAGACTCCAAACTAGGATCCCATCTAGTGAAGATCGGAAGAGCGGTTCAG
chr14	20823861	20823900	PARP2_5017	-	GTGACCTATGCACCAGACGTAGATATAACCCATAATGAGCTTTCTGACATGTGGCTAAAAAGATCGGAAGAGCGGTTCAG
chr14	20824006	20824045	PARP2_5018	-	GTGACCTATGCACCAGACGTGAGATATAGAATCAATGTGGGAGGACACTGGTATAAGGGAAGATCGGAAGAGCGGTTCAG
chr14	20824416	20824455	PARP2_5019	-	GTGACCTATGCACCAGACGTTAAGACAAAAAGGCTGATGTAGACTCTACAAGAGACTGAGAGATCGGAAGAGCGGTTCAG
chr14	20824699	20824738	PARP2_5020	-	GTGACCTATGCACCAGACGTGCCAATATTATTGTACTCTGTTGTTCTGCACAGATAGGCCAGATCGGAAGAGCGGTTCAG
chr14	20825160	20825199	PARP2_5021	-	GTGACCTATGCACCAGACGTTACATGAATACCAAGGTCAGCTTCTAACCCACTGTGTTAGAGATCGGAAGAGCGGTTCAG
chr14	20825505	20825544	PARP2_5022	-	GTGACCTATGCACCAGACGTAAAAACCTTTGAATTCCCATATCCTACTAAGAATTAGATGAGATCGGAAGAGCGGTTCAG
chr14	20825747	20825786	PARP2_5023	-	GTGACCTATGCACCAGACGTGAAAAAAAGTGTGTCAACATCAGTCTCTGGTTCAGAAGCTAGATCGGAAGAGCGGTTCAG
chr17	26881188	26881227	PIGS_5024	-	GTGACCTATGCACCAGACGTACCTCCATAGGAAGCCTTCCTTTCTGGCCAAGGTGGGCGGAGATCGGAAGAGCGGTTCAG
chr17	26881819	26881858	PIGS_5025	-	GTGACCTATGCACCAGACGTAGGGGATGGATTCTGCAGCTTGGGACTGGAGTAGCCAGAGAGATCGGAAGAGCGGTTCAG
chr17	26883134	26883173	PIGS_5026	-	GTGACCTATGCACCAGACGTGGATGATCCACTTGGGGACATAGTCTCCTTGGCTGTAGAGAGATCGGAAGAGCGGTTCAG
chr17	26883795	26883834	PIGS_5027	-	GTGACCTATGCACCAGACGTCACTACGCAGACCCCAGAGCCCATGCTTCTGGGACAGGCAAGATCGGAAGAGCGGTTCAG
chr17	26885444	26885483	PIGS_5028	-	GTGACCTATGCACCAGACGTAAGGATGAGGGTCTTTCTTTTCTGCCAGGCTAGGGAGGGAAGATCGGAAGAGCGGTTCAG
chr17	26887017	26887056	PIGS_5029	-	GTGACCTATGCACCAGACGTGAGCAAGTTGAGGAGTCCTTTTCAATGTCTATACATATTTAGATCGGAAGAGCGGTTCAG
chr17	26888390	26888429	PIGS_5030	-	GTGACCTATGCACCAGACGTAGGCTCTGCCACATGAAGGGAGAGGAAATGAATTACATGGAGATCGGAAGAGCGGTTCAG
chr17	26890399	26890438	PIGS_5031	-	GTGACCTATGCACCAGACGTAGAGAGGCTGCGACTTTGCCTTATCCCTTCAGCTCGTGGAAGATCGGAAGAGCGGTTCAG
chr17	26890786	26890825	PIGS_5032	-	GTGACCTATGCACCAGACGTGGATGAGCACACCATTTTAATGTGAAGCCCTCTTTTTCCTAGATCGGAAGAGCGGTTCAG
chr17	26897820	26897859	PIGS_5033	-	GTGACCTATGCACCAGACGTGGGGATCAGGGCTGCTTTTCGCCTCTGAGCTCAGTTCAGAAGATCGGAAGAGCGGTTCAG
chr17	26898017	26898056	PIGS_5034	-	GTGACCTATGCACCAGACGTTGTGCGGGAGGGTCGGGGGACAGCCCCCCCGGCAAGGTGGAGATCGGAAGAGCGGTTCAG
chr17	26898431	26898470	PIGS_5035	-	GTGACCTATGCACCAGACGTCTTCGGGTGGGGGGCCTGCAGCTAGCTGATGGCAAGGGAGAGATCGGAAGAGCGGTTCAG
chr12	133201233	133201272	POLE_5036	-	GTGACCTATGCACCAGACGTGCCCCGGGTGCCTCTGCGTCCGTGCCAGGCCTCCTGATGCAGATCGGAAGAGCGGTTCAG
chr12	133201441	133201480	POLE_5037	-	GTGACCTATGCACCAGACGTCCTCATCTGCCTCGGCTCAGCCTGGCCTCCTTGGCCTCCTAGATCGGAAGAGCGGTTCAG
chr12	133202181	133202220	POLE_5038	-	GTGACCTATGCACCAGACGTCATGCCGCCTGCCCGTGTGCCCTGGAGTCCACAGGGGGGTAGATCGGAAGAGCGGTTCAG
chr12	133202653	133202692	POLE_5039	-	GTGACCTATGCACCAGACGTGCTCCAGCGGGCCCTTCACTGTGGAGCAGAACATCCGAGGAGATCGGAAGAGCGGTTCAG
chr12	133208851	133208890	POLE_5040	-	GTGACCTATGCACCAGACGTCAGCGTGCGTGTGAGGAGAGGACACTAACGTACATGTGTAAGATCGGAAGAGCGGTTCAG
chr12	133209200	133209239	POLE_5041	-	GTGACCTATGCACCAGACGTTTTTGTCTTTTGAGGCCACTGCCATGTGCCAGTGACCTAAAGATCGGAAGAGCGGTTCAG
chr12	133210722	133210761	POLE_5042	-	GTGACCTATGCACCAGACGTAGCCCAGGGCTGCGCAGCCCCCACTGAAGGGACTCATGGTAGATCGGAAGAGCGGTTCAG
chr12	133212428	133212467	POLE_5043	-	GTGACCTATGCACCAGACGTTGCAGTGTGGCACCCGAGCCAGCTTTGGGGGTCGCGTTCAAGATCGGAAGAGCGGTTCAG
chr12	133214550	133214589	POLE_5044	-	GTGACCTATGCACCAGACGTCTGGTCCTGGTGACGCAGCACTGTGGCTTTGAGAGGGATGAGATCGGAAGAGCGGTTCAG
chr12	133215661	133215700	POLE_5045	-	GTGACCTATGCACCAGACGTCTCCTCCCTGGGCTGTCCACCGCGTCCTCAGCTGGGCTGGAGATCGGAAGAGCGGTTCAG
chr12	133218183	133218222	POLE_5046	-	GTGACCTATGCACCAGACGTCTCTGGGAAGGAGTGTTACTAATAGAAGGGTCTTATCCTTAGATCGGAAGAGCGGTTCAG

chr12	133218713	133218752	POLE_5047	-	GTGACCTATGCACCAGACGTGGGAGGACGAGGCCCATGAGACCTGGCTGGTGTTTCTGCCAGATCGGAAGAGCGGTTCAG
chr12	133219042	133219081	POLE_5048	-	GTGACCTATGCACCAGACGTTACTGTCGTTGTGGGCCAGTGGTCCCCAGGCAGAGCCGGCAGATCGGAAGAGCGGTTCAG
chr12	133219356	133219395	POLE_5049	-	GTGACCTATGCACCAGACGTTTGGGGTCTTGCTGTGTGAGCCCCATCTTCTTTGAGGCTGAGATCGGAAGAGCGGTTCAG
chr12	133219760	133219799	POLE_5050	-	GTGACCTATGCACCAGACGTGGCCCTCCATGGCAGCACATTGGCTGGGGCAGGGTTTGGGAGATCGGAAGAGCGGTTCAG
chr12	133219943	133219982	POLE_5051	-	GTGACCTATGCACCAGACGTCACCAGCCGCCCATCATGTGCCTGCCTCCCACACATCTGGAGATCGGAAGAGCGGTTCAG
chr12	133220373	133220412	POLE_5052	-	GTGACCTATGCACCAGACGTAGCCACCCTCGACTGAACTGGGGGAGGCTCCAGCAGGGTGAGATCGGAAGAGCGGTTCAG
chr12	133225465	133225504	POLE_5053	-	GTGACCTATGCACCAGACGTGCTGGTGCTGCCTCTGCAGTCATCTGGGCAGCCTGAGGTGAGATCGGAAGAGCGGTTCAG
chr12	133225842	133225881	POLE_5054	-	GTGACCTATGCACCAGACGTTGATCCAAGGGGAGGGCAGTGGCTCTGCTGATGGCCCAGGAGATCGGAAGAGCGGTTCAG
chr12	133226213	133226252	POLE_5055	-	GTGACCTATGCACCAGACGTCAGCTGTGATACTGTCTGTCTCTGAGGGGTCTGCACAGCCAGATCGGAAGAGCGGTTCAG
chr12	133233672	133233711	POLE_5056	-	GTGACCTATGCACCAGACGTGGCCCCAAGGCTGGGCTGGGCGGGATCCTTGTGACACACAAGATCGGAAGAGCGGTTCAG
chr12	133233885	133233924	POLE_5057	-	GTGACCTATGCACCAGACGTGGTCAGTGGCACGGGCTGTGGGGCTAAAAACTGTGCAGTTAGATCGGAAGAGCGGTTCAG
chr12	133234404	133234443	POLE_5058	-	GTGACCTATGCACCAGACGTGTTGCGTTCTCTACTCTTAAAAGTTTACAAGGAAAGCTAGAGATCGGAAGAGCGGTTCAG
chr12	133235831	133235870	POLE_5059	-	GTGACCTATGCACCAGACGTCCCCCATCACGGAGAGGTGAGGGCTCCTCCCATCACGGACAGATCGGAAGAGCGGTTCAG
chr12	133237505	133237544	POLE_5060	-	GTGACCTATGCACCAGACGTACCCTCCACCCTCACCTGCTCTGAGGGATGAAGGATGAAGAGATCGGAAGAGCGGTTCAG
chr12	133238063	133238102	POLE_5061	-	GTGACCTATGCACCAGACGTCATAGCTTTTGTGCTTTAGAAAGGACATGGATTGAGATAGAGATCGGAAGAGCGGTTCAG
chr12	133240540	133240579	POLE_5062	-	GTGACCTATGCACCAGACGTGGCCTCTGGTCCTGAAGCTCTGGCTGGCCTGGCGTCAGTGAGATCGGAAGAGCGGTTCAG
chr12	133240906	133240945	POLE_5063	-	GTGACCTATGCACCAGACGTAAGGGGAGCCGTGGGGCTGGGAGCAGGTCCTGGGGGCAAGAGATCGGAAGAGCGGTTCAG
chr12	133241838	133241877	POLE_5064	-	GTGACCTATGCACCAGACGTCCGGGCCCGGGAGAGGCTTATGGGAGGAATGGATGAGTCCAGATCGGAAGAGCGGTTCAG
chr12	133244039	133244078	POLE_5065	-	GTGACCTATGCACCAGACGTAGGGGCTGCAAGCTTTGGCCTCTGTGAGGGCAGTTTCAGTAGATCGGAAGAGCGGTTCAG
chr12	133244892	133244931	POLE_5066	-	GTGACCTATGCACCAGACGTGGGCATGGTCACGGCTGTAAAGATGTGGCTCCTGCTCCCAAGATCGGAAGAGCGGTTCAG
chr12	133245171	133245210	POLE_5067	-	GTGACCTATGCACCAGACGTGCCGCCTGGGTGGGCACTCGGTGGGAAACGGGTGGGTGAGAGATCGGAAGAGCGGTTCAG
chr12	133245347	133245386	POLE_5068	-	GTGACCTATGCACCAGACGTACTTCCCGTGTCAGAGTCGGAGCTCTCTCTGCCCAGCCCTAGATCGGAAGAGCGGTTCAG
chr12	133248751	133248790	POLE_5069	-	GTGACCTATGCACCAGACGTGGGAGGCAGGAAGAGCCAGTCTGTGTTTGGCGCCTTCTTCAGATCGGAAGAGCGGTTCAG
chr12	133249163	133249202	POLE_5070	-	GTGACCTATGCACCAGACGTTCCCTGGGATTCAGATTCTTCCCACTCTTGTGCTGTGGTAAGATCGGAAGAGCGGTTCAG
chr12	133249700	133249739	POLE_5071	-	GTGACCTATGCACCAGACGTTCTGTCCTGTCGGCACCCTGGCCTCCTCAGCCCTTGCCCCAGATCGGAAGAGCGGTTCAG
chr12	133250111	133250150	POLE_5072	-	GTGACCTATGCACCAGACGTCACATCCCGGCTGCCCCTGCTGCCGTGTGCACGCATCCAGAGATCGGAAGAGCGGTTCAG
chr12	133251934	133251973	POLE_5073	-	GTGACCTATGCACCAGACGTCAGAGCAGCATGGCTCCTCACTGCTGTCCGTGAGCGAGATAGATCGGAAGAGCGGTTCAG
chr12	133252271	133252310	POLE_5074	-	GTGACCTATGCACCAGACGTGTCTTCTCTATGAGTAACTGGGCAGCATTTGAGAGGGAGGAGATCGGAAGAGCGGTTCAG
chr12	133252630	133252669	POLE_5075	-	GTGACCTATGCACCAGACGTATCACTTGGGAAACTACCCGGTATTGTGGGAAGAACGGACAGATCGGAAGAGCGGTTCAG
chr12	133253082	133253121	POLE_5076	-	GTGACCTATGCACCAGACGTGGCTTCTGGGAAGTAAGCTCCTGGGATGGGGACCTTGTCTAGATCGGAAGAGCGGTTCAG
chr12	133253899	133253938	POLE_5077	-	GTGACCTATGCACCAGACGTCTTGTGTTACCTTCATCCTAAAATTTCCAGTTTTCTGGAGAGATCGGAAGAGCGGTTCAG
chr12	133254114	133254153	POLE_5078	-	GTGACCTATGCACCAGACGTCAGGGTTGGGTCGCTGCTCACATGAATTTCCTAACAGCCAAGATCGGAAGAGCGGTTCAG
chr12	133256033	133256072	POLE_5079	-	GTGACCTATGCACCAGACGTGTCTTGTGAGCAAAGCATCAGCGGTTCAGAACGACAAGATAGATCGGAAGAGCGGTTCAG
chr12	133256490	133256529	POLE_5080	-	GTGACCTATGCACCAGACGTCCCAGACTTTCCAGGGGTAAATGAGGCCAGAGTCTACATTAGATCGGAAGAGCGGTTCAG
chr12	133256714	133256753	POLE_5081	-	GTGACCTATGCACCAGACGTTTCATAGACTCAGGTCAGACGACCTGTGTGTCATTCTGTGAGATCGGAAGAGCGGTTCAG
chr12	133257143	133257182	POLE_5082	-	GTGACCTATGCACCAGACGTGACTGCGACAAGCTAAAACCCACTTTTATGGGTGTTCATGAGATCGGAAGAGCGGTTCAG
chr12	133257674	133257713	POLE_5083	-	GTGACCTATGCACCAGACGTGGTCCTTCTCCCACCCAGGAATATGGCTGCAACCCTTCTGAGATCGGAAGAGCGGTTCAG
chr12	133263790	133263829	POLE_5084	-	GTGACCTATGCACCAGACGTCCCTCCTGAGGCTCTCGGGCCGGCCCTCCGGAGGGTGCCAAGATCGGAAGAGCGGTTCAG
chr19	45883398	45883437	PPP1R13L_5085	-	GTGACCTATGCACCAGACGTGGAGGTTTCTGAGGCTGACAGAAACAAGCATTCCTGCCTTAGATCGGAAGAGCGGTTCAG
chr19	45885735	45885774	PPP1R13L_5086	-	GTGACCTATGCACCAGACGTGGGAGAAGTCATGGGGACCTCCCGACAGTTGGGGGTTGGGAGATCGGAAGAGCGGTTCAG
chr19	45888770	45888809	PPP1R13L_5087	-	GTGACCTATGCACCAGACGTGGGCTGCTGGCGCCTGGGTACCTGGCGGGTGCGCAGGAGCAGATCGGAAGAGCGGTTCAG
chr19	45889032	45889071	PPP1R13L_5088	-	GTGACCTATGCACCAGACGTACCCGCGCGGTGGGCTGGGTCCCCCGTGGGCGGACGCGCAAGATCGGAAGAGCGGTTCAG
chr19	45889257	45889296	PPP1R13L_5089	-	GTGACCTATGCACCAGACGTCTGAGCGGGAGGTGGGCACGGCGGGGGCATCGCAGATGCCAGATCGGAAGAGCGGTTCAG
chr19	45895088	45895127	PPP1R13L_5090	-	GTGACCTATGCACCAGACGTCAGGAGGAAACCGGGGTATGTTTGCTACATGAATCCAGGAAGATCGGAAGAGCGGTTCAG
chr19	45898644	45898683	PPP1R13L_5091	-	GTGACCTATGCACCAGACGTAATGAGGGCCCTAGAGGACTGGGTGAAGGGAGGACAAATGAGATCGGAAGAGCGGTTCAG
chr19	45899376	45899415	PPP1R13L_5092	-	GTGACCTATGCACCAGACGTGACGCCTGGGGAGGAGAGGCTGGGGAAGGTCGAGGAGTGGAGATCGGAAGAGCGGTTCAG
chr19	45899546	45899585	PPP1R13L_5093	-	GTGACCTATGCACCAGACGTGAGGCCCGGGGAATGGAGGACCCGGAGGAGAGGCAGCCCCAGATCGGAAGAGCGGTTCAG
chr19	45899753	45899792	PPP1R13L_5094	-	GTGACCTATGCACCAGACGTGGGCCCCTCGCGGGGCCTTTGACTCGCGGGGTCAAAGCGGAGATCGGAAGAGCGGTTCAG
chr19	45901213	45901252	PPP1R13L_5095	-	GTGACCTATGCACCAGACGTTTCCCACCTTGATCTCCAAAGCCAGCCTCTCGCCACAGTCAGATCGGAAGAGCGGTTCAG
chr19	45901472	45901511	PPP1R13L_5096	-	GTGACCTATGCACCAGACGTGTAGGGGGCGGGGCTGGCGAGGCGGGGACCTCGGCAGCGGAGATCGGAAGAGCGGTTCAG
chr19	45900010	45900049	PPP1R13L_5097	-	GTGACCTATGCACCAGACGTGCGCCCTCCCCGCGGCCCGGGCCAGGCCCGCTCCGCCAGCAGATCGGAAGAGCGGTTCAG
chr8	30643701	30643740	PPP2CB_5098	-	GTGACCTATGCACCAGACGTGGAAACCTGCCTTTGTATGTGGAAGTATACCTGGCTTTTTAGATCGGAAGAGCGGTTCAG
chr8	30648663	30648702	PPP2CB_5099	-	GTGACCTATGCACCAGACGTGTAAATTTTAATTGTATATACTTTCAGAAGGAAAATTTTAAGATCGGAAGAGCGGTTCAG
chr8	30651383	30651422	PPP2CB_5100	-	GTGACCTATGCACCAGACGTTCCTGACAGAATGATCTTTATTTCAGATTAGTATATACTTAGATCGGAAGAGCGGTTCAG
chr8	30651658	30651697	PPP2CB_5101	-	GTGACCTATGCACCAGACGTTTTAAAAAAGAAGAAGAAAGGAAAAGAAAATATAACCACAAGATCGGAAGAGCGGTTCAG
chr8	30655047	30655086	PPP2CB_5102	-	GTGACCTATGCACCAGACGTGTGTGCTTACATCTTGGGAGGAGGTAAATGGAAGCAGAGAAGATCGGAAGAGCGGTTCAG
chr8	30657012	30657051	PPP2CB_5103	-	GTGACCTATGCACCAGACGTTGAAATTCAATTTTTTTTTCAAGATTTAAACCAGGCAAAAAGATCGGAAGAGCGGTTCAG
chr8	30669786	30669825	PPP2CB_5104	-	GTGACCTATGCACCAGACGTCGCGGGGGCGAGTGCGGGAGCGCGGGGCTGGGACGGGCCGAGATCGGAAGAGCGGTTCAG

chr5	145969460	145969499	PPP2R2B_5105	-	GTGACCTATGCACCAGACGTTATTACTTAATAATCTCACATACTGAATACTAGTCAAACAAGATCGGAAGAGCGGTTCAG
chr5	145972484	145972523	PPP2R2B_5106	-	GTGACCTATGCACCAGACGTCTCTGTGGCTGAAGAACCTTCCAAAGATTGTCTTGAAGAGAGATCGGAAGAGCGGTTCAG
chr5	145979804	145979843	PPP2R2B_5107	-	GTGACCTATGCACCAGACGTCCAGGCACCCATAGGTATATTGAACATTCCCTTCATGAGCAGATCGGAAGAGCGGTTCAG
chr5	146017764	146017803	PPP2R2B_5108	-	GTGACCTATGCACCAGACGTACTGAAGGGAGGTGGGGGGCATGGCCACTGGCCCCAATGTAGATCGGAAGAGCGGTTCAG
chr5	146030060	146030099	PPP2R2B_5109	-	GTGACCTATGCACCAGACGTTTTGTGATCAAGAATCAACTGGCCTGAATTAAGAGTATTCAGATCGGAAGAGCGGTTCAG
chr5	146070641	146070680	PPP2R2B_5110	-	GTGACCTATGCACCAGACGTACAGCTGCCCTGGCCACCACAGTCAGGGGCAGGTCTCCTAAGATCGGAAGAGCGGTTCAG
chr5	146077492	146077531	PPP2R2B_5111	-	GTGACCTATGCACCAGACGTTTCCTGTTTGGTATTTTCAGAGATACAGTCGGCCAAACTAAGATCGGAAGAGCGGTTCAG
chr5	146080558	146080597	PPP2R2B_5112	-	GTGACCTATGCACCAGACGTGTGAATGCAAAATGCCCATTTTCTTCACTTTTTAAAGGAGAGATCGGAAGAGCGGTTCAG
chr5	146236012	146236051	PPP2R2B_5113	-	GTGACCTATGCACCAGACGTTATTATTTATACCTACTCTTCTTGATAAAGTAGCAGTATAAGATCGGAAGAGCGGTTCAG
chr5	146257515	146257554	PPP2R2B_5114	-	GTGACCTATGCACCAGACGTCCCCGCCGCATTCCGCCGTTGGGGCCGGGCGCAAGTTGCGAGATCGGAAGAGCGGTTCAG
chr5	146435178	146435217	PPP2R2B_5115	-	GTGACCTATGCACCAGACGTGAGAGGGAGAGTGTCTGGGTGGGTGGGAAAAGTGGGCTGGAGATCGGAAGAGCGGTTCAG
chr1	45288037	45288076	PTCH2_5116	-	GTGACCTATGCACCAGACGTGAAGCACAGAGACCATGTGTGGGGCGTGTGGGGTCACTGGAGATCGGAAGAGCGGTTCAG
chr1	45288691	45288730	PTCH2_5117	-	GTGACCTATGCACCAGACGTCCTCGGCACCATCCCTCTACTCCCAGCCCAAGGGACGGGGAGATCGGAAGAGCGGTTCAG
chr1	45288865	45288904	PTCH2_5118	-	GTGACCTATGCACCAGACGTCTCGGGGCAGGGAGGCAGGGCTCAGGACAGGCCTGGGCTGAGATCGGAAGAGCGGTTCAG
chr1	45292110	45292149	PTCH2_5119	-	GTGACCTATGCACCAGACGTGCAGGAGTGGGGACAGAGACACCCCACCCTTCCCTGCCCAAGATCGGAAGAGCGGTTCAG
chr1	45292524	45292563	PTCH2_5120	-	GTGACCTATGCACCAGACGTGGGGGAGCTCGGCAAGAGCCTCAGCCTCGCCCACACAAGCAGATCGGAAGAGCGGTTCAG
chr1	45292789	45292828	PTCH2_5121	-	GTGACCTATGCACCAGACGTGGCTGGAGGGGTCCACTAGTACAGGGGCTGCAGGCCTCCTAGATCGGAAGAGCGGTTCAG
chr1	45293024	45293063	PTCH2_5122	-	GTGACCTATGCACCAGACGTAGGAGACGGGCAGGGAGGGGTGCTGCAGGGAGAAACGCCCAGATCGGAAGAGCGGTTCAG
chr1	45293465	45293504	PTCH2_5123	-	GTGACCTATGCACCAGACGTGCAGAGCAGGGCAGAGACTTAGCATCTCTGGGCCCAGAAGAGATCGGAAGAGCGGTTCAG
chr1	45293918	45293957	PTCH2_5124	-	GTGACCTATGCACCAGACGTCGCCCCAGCCCCTTCCTCCCGTGACCCACGCCAGCCTGTCAGATCGGAAGAGCGGTTCAG
chr1	45294128	45294167	PTCH2_5125	-	GTGACCTATGCACCAGACGTTCACACGGGGCAGCTCAGGGTGGGTGTGGGGCTGAGGCCAAGATCGGAAGAGCGGTTCAG
chr1	45294604	45294643	PTCH2_5126	-	GTGACCTATGCACCAGACGTGTCCCCCAGGGCTCATCTGAGGCAGCTCAGCTTACTGGTTAGATCGGAAGAGCGGTTCAG
chr1	45294779	45294818	PTCH2_5127	-	GTGACCTATGCACCAGACGTACTGCAGGGCAGACTCAGTGCCAGTCACCAGGCTTCACGGAGATCGGAAGAGCGGTTCAG
chr1	45295024	45295063	PTCH2_5128	-	GTGACCTATGCACCAGACGTCACCTGGCACCTTGCCCCCACCCCACCTCCAACCAGTGCCAGATCGGAAGAGCGGTTCAG
chr1	45295236	45295275	PTCH2_5129	-	GTGACCTATGCACCAGACGTACAAGGACAAGGGGGGTGCCCTGAGGCCATTCCCTCCTCCAGATCGGAAGAGCGGTTCAG
chr1	45295531	45295570	PTCH2_5130	-	GTGACCTATGCACCAGACGTCTCTGGGAGTTGGTGAGGGGACTCTGTTCATGAGAACCCAAGATCGGAAGAGCGGTTCAG
chr1	45296470	45296509	PTCH2_5131	-	GTGACCTATGCACCAGACGTACCAGGTCTGCCAGGGAAAGGCTGTTTTCCTTCCCTTTCCAGATCGGAAGAGCGGTTCAG
chr1	45297328	45297367	PTCH2_5132	-	GTGACCTATGCACCAGACGTCTCCTGGGGCCCTGCTTCATCTCCCGCTGGGGACTCTCCCAGATCGGAAGAGCGGTTCAG
chr1	45297597	45297636	PTCH2_5133	-	GTGACCTATGCACCAGACGTTGAGAGGGAGTAGAGGCAGAACTTTTTCTGTAGCGTGGGAAGATCGGAAGAGCGGTTCAG
chr1	45297774	45297813	PTCH2_5134	-	GTGACCTATGCACCAGACGTCTGAGCCCCTGAGCAGCTGGGGGCGAGGCGTGCTGTGGGGAGATCGGAAGAGCGGTTCAG
chr1	45307469	45307508	PTCH2_5135	-	GTGACCTATGCACCAGACGTGACACTGGCCATAGCTGCTCAGGTATGGTGAGCCCAAGACAGATCGGAAGAGCGGTTCAG
chr1	45308483	45308522	PTCH2_5136	-	GTGACCTATGCACCAGACGTGGGGAGCTGGAAGAAGGAAGAGAGCGGAGCCAGGTCTGTCAGATCGGAAGAGCGGTTCAG
chr8	141669515	141669554	PTK2_5137	-	GTGACCTATGCACCAGACGTGGAGCACGTCTTGCTACCCTCTTTTGAAGATGTTCTCTAGAGATCGGAAGAGCGGTTCAG
chr8	141674966	141675005	PTK2_5138	-	GTGACCTATGCACCAGACGTATCTTCCCCTTGCAGCCCTCTGTGACAGCACTGGGCAGGGAGATCGGAAGAGCGGTTCAG
chr8	141678318	141678357	PTK2_5139	-	GTGACCTATGCACCAGACGTGTCATTTTGTGTACTGGCAAAAATGTTCTTGTTTCCTGTAAGATCGGAAGAGCGGTTCAG
chr8	141684347	141684386	PTK2_5140	-	GTGACCTATGCACCAGACGTGAGCCTGTGCAGCACCTTCTGCTTGCAGGATTTGTGGTGTAGATCGGAAGAGCGGTTCAG
chr8	141685509	141685548	PTK2_5141	-	GTGACCTATGCACCAGACGTAAAGAATTGGGCGGAAAGAAGTTAGTTTAATTTGATGAAAAGATCGGAAGAGCGGTTCAG
chr8	141696681	141696720	PTK2_5142	-	GTGACCTATGCACCAGACGTGTTTTCAGCAGGATTTGATTTCCAGTTCTCCTGTGCGTGGAGATCGGAAGAGCGGTTCAG
chr8	141710940	141710979	PTK2_5143	-	GTGACCTATGCACCAGACGTTTCTGAAAGGCTTCTTTGACTTTTTAAGCCCTGTTAGAGTAGATCGGAAGAGCGGTTCAG
chr8	141712619	141712658	PTK2_5144	-	GTGACCTATGCACCAGACGTTGTCTTGGGCTTCAGTTTGTTAACTTATAAAGCATGGCAAAGATCGGAAGAGCGGTTCAG
chr8	141716168	141716207	PTK2_5145	-	GTGACCTATGCACCAGACGTCATTACAGATATAAACTGTGTTATTTTATTATTTAGCGCTAGATCGGAAGAGCGGTTCAG
chr8	141727647	141727686	PTK2_5146	-	GTGACCTATGCACCAGACGTTCCCCACCCCAACTTTGGGGTTACTCTTACTAACTTTCAAAGATCGGAAGAGCGGTTCAG
chr8	141745300	141745339	PTK2_5147	-	GTGACCTATGCACCAGACGTGCGGGAGAGAGGGCCTGGGGGTGGGGGCAGATTATGCTGCAGATCGGAAGAGCGGTTCAG
chr8	141749067	141749106	PTK2_5148	-	GTGACCTATGCACCAGACGTTTAAAAGTTTTGTATTCTTTAAAAATTATATTTCATATGTAGATCGGAAGAGCGGTTCAG
chr8	141753279	141753318	PTK2_5149	-	GTGACCTATGCACCAGACGTAGAGTAGTACCTAAGAAATAGGCTTGGAATCTTTAACGTAAGATCGGAAGAGCGGTTCAG
chr8	141754701	141754740	PTK2_5150	-	GTGACCTATGCACCAGACGTGTCATAAAGCTGTTAAGTTCCCTTCTGAAAAGTAGTGATCAGATCGGAAGAGCGGTTCAG
chr8	141756809	141756848	PTK2_5151	-	GTGACCTATGCACCAGACGTCCCCAAATCTTACCTTCTGGACTCAGCGTTTGATATCTTTAGATCGGAAGAGCGGTTCAG
chr8	141762281	141762320	PTK2_5152	-	GTGACCTATGCACCAGACGTAGAAATTTCTGTGGAACTCCATTTGACTTTCTATCTGTGAAGATCGGAAGAGCGGTTCAG
chr8	141771214	141771253	PTK2_5153	-	GTGACCTATGCACCAGACGTTAAGACTACCAAACAACTAGACTAATTTTGACTATTTAAGAGATCGGAAGAGCGGTTCAG
chr8	141774283	141774322	PTK2_5154	-	GTGACCTATGCACCAGACGTTTCTGATTTTGTTCTTGCTCAGACTTGACAGATGCCTCCTAGATCGGAAGAGCGGTTCAG
chr8	141799523	141799562	PTK2_5155	-	GTGACCTATGCACCAGACGTCTAGGTAGCAGACCTCGAAAAGCACTCTCATGGGGTAAGAAGATCGGAAGAGCGGTTCAG
chr8	141803403	141803442	PTK2_5156	-	GTGACCTATGCACCAGACGTCTTTTTTTGTACTGTTATTTTGTTTTGTTGGAAAGTTTAAAGATCGGAAGAGCGGTTCAG
chr8	141810508	141810547	PTK2_5157	-	GTGACCTATGCACCAGACGTGTTTCTGAGCATTCCCAATTGCGCTTCTACCAAATATTTAAGATCGGAAGAGCGGTTCAG
chr8	141813592	141813631	PTK2_5158	-	GTGACCTATGCACCAGACGTGTTACGTTCATCATTAAGGGAAAATGGTTAAATAGGGATGAGATCGGAAGAGCGGTTCAG
chr8	141828326	141828365	PTK2_5159	-	GTGACCTATGCACCAGACGTTCTGACCTTTCGGGAACTTGGCGTTACACAAAGAAGAATCAGATCGGAAGAGCGGTTCAG
chr8	141828929	141828968	PTK2_5160	-	GTGACCTATGCACCAGACGTGAATATGGGAAATAGTGGGCTAGTTTGATTTTACTTTTTCAGATCGGAAGAGCGGTTCAG
chr8	141840521	141840560	PTK2_5161	-	GTGACCTATGCACCAGACGTTCTCCTTTATCATAATAAAATAACAAAATTATGCCAAGACAGATCGGAAGAGCGGTTCAG
chr8	141856309	141856348	PTK2_5162	-	GTGACCTATGCACCAGACGTTACTTACAATCTATACCTGCAAATATGCAGAACTAAATTCAGATCGGAAGAGCGGTTCAG

chr8	141874361	141874400	PTK2_5163	-	GTGACCTATGCACCAGACGTCTGCTTTCATATACTTTTTTGTTTGTTTCTTTGAATCCTAAGATCGGAAGAGCGGTTCAG
chr8	141889520	141889559	PTK2_5164	-	GTGACCTATGCACCAGACGTAACCTGCTTTGGTGTGATGCACACTTGATTTCTTTTGCTTAGATCGGAAGAGCGGTTCAG
chr8	141900592	141900631	PTK2_5165	-	GTGACCTATGCACCAGACGTTTTTCCATGAGACATCTTTAATGTTTATTTAGGTTAAAATAGATCGGAAGAGCGGTTCAG
chr9	8317824	8317863	PTPRD_5166	-	GTGACCTATGCACCAGACGTCCCATTCTGGATTTTTACTACAGGCCCTTCAATATCCATGAGATCGGAAGAGCGGTTCAG
chr9	8319781	8319820	PTPRD_5167	-	GTGACCTATGCACCAGACGTCCATTGCATTTTTCGCATCTCAAGAGCCTACGTTTTGCTAAGATCGGAAGAGCGGTTCAG
chr9	8331532	8331571	PTPRD_5168	-	GTGACCTATGCACCAGACGTATTTGTGAATAAAGCAGTGATAAGTGGTGGTGTTTCTTCAAGATCGGAAGAGCGGTTCAG
chr9	8338872	8338911	PTPRD_5169	-	GTGACCTATGCACCAGACGTACAGTCTTCAACTCTTAACCATTAGCTGAAAAGTAGTCTAAGATCGGAAGAGCGGTTCAG
chr9	8340293	8340332	PTPRD_5170	-	GTGACCTATGCACCAGACGTGGCCCTTGTGTGTCTCCTCATAAGACATTTACTCTGTGGAAGATCGGAAGAGCGGTTCAG
chr9	8341040	8341079	PTPRD_5171	-	GTGACCTATGCACCAGACGTTTGCTCCCCTGACTATCCAAAGCCTTGATATTTACATGTGAGATCGGAAGAGCGGTTCAG
chr9	8341643	8341682	PTPRD_5172	-	GTGACCTATGCACCAGACGTGGATGTGATGTGGTTATTCAGGAGCAAGTCATTCTGGGTTAGATCGGAAGAGCGGTTCAG
chr9	8375886	8375925	PTPRD_5173	-	GTGACCTATGCACCAGACGTTTTGTTCACTTGCAGTCAGGAAACAGAAAGCTAAATTGACAGATCGGAAGAGCGGTTCAG
chr9	8376557	8376596	PTPRD_5174	-	GTGACCTATGCACCAGACGTCATCTTTTTCTCCTCCCTTTCCCTTCTCTATTGTTTAAAGAGATCGGAAGAGCGGTTCAG
chr9	8389182	8389221	PTPRD_5175	-	GTGACCTATGCACCAGACGTGTATCCACCTCTTTCCTTTTAAAAATTTTCCCTCAGAGTCAGATCGGAAGAGCGGTTCAG
chr9	8404487	8404526	PTPRD_5176	-	GTGACCTATGCACCAGACGTGCAGACATCACTGATACCTTTATTTTCATGGATTTGAGTAAGATCGGAAGAGCGGTTCAG
chr9	8436542	8436581	PTPRD_5177	-	GTGACCTATGCACCAGACGTGTGTTTATTCTTTACAGTAATTTCAAGAGTTACTCTTCTCAGATCGGAAGAGCGGTTCAG
chr9	8449675	8449714	PTPRD_5178	-	GTGACCTATGCACCAGACGTTCACACATCTAATCCACACACAGTCTTTCCCAGAAGTTGTAGATCGGAAGAGCGGTTCAG
chr9	8460361	8460400	PTPRD_5179	-	GTGACCTATGCACCAGACGTCCAATATTTCTGTTGTAATTTTGGAGGCTGCCTTATTTTTAGATCGGAAGAGCGGTTCAG
chr9	8465416	8465455	PTPRD_5180	-	GTGACCTATGCACCAGACGTTATGATGGCATCTGTTTCCTATGGTACGCTTATACATTTTAGATCGGAAGAGCGGTTCAG
chr9	8470945	8470984	PTPRD_5181	-	GTGACCTATGCACCAGACGTCATTGTTGGCCATGTCTTTTATTCGTTATTTAATCTGCTGAGATCGGAAGAGCGGTTCAG
chr9	8484069	8484108	PTPRD_5182	-	GTGACCTATGCACCAGACGTTGAAGGCTTAGGGCTGAAGGAAAGAATTATAGGTAAATAGAGATCGGAAGAGCGGTTCAG
chr9	8485177	8485216	PTPRD_5183	-	GTGACCTATGCACCAGACGTTTCTAATTTGTAAGAAATCACAGATAAAAGTAGAGGGGACAGATCGGAAGAGCGGTTCAG
chr9	8485712	8485751	PTPRD_5184	-	GTGACCTATGCACCAGACGTTCTGCTTACGGCCTTCCTCCTTTAAAGGATTGTCAGTCTTAGATCGGAAGAGCGGTTCAG
chr9	8492812	8492851	PTPRD_5185	-	GTGACCTATGCACCAGACGTCTGTGCATGTATGTGCCTTGAACAGTAATACTAACTTTTTAGATCGGAAGAGCGGTTCAG
chr9	8497192	8497231	PTPRD_5186	-	GTGACCTATGCACCAGACGTTTTGACTGTTTTGTCAAAAGCAGACTATATATGCTTGTTTAGATCGGAAGAGCGGTTCAG
chr9	8499597	8499636	PTPRD_5187	-	GTGACCTATGCACCAGACGTGAAATTATGTACCTCTGTTTTTATATAATAAGTTTATCTTAGATCGGAAGAGCGGTTCAG
chr9	8500704	8500743	PTPRD_5188	-	GTGACCTATGCACCAGACGTTCCGCTACGTCAGTTTGCACCCTTCTGACACAGTCTTGATAGATCGGAAGAGCGGTTCAG
chr9	8504211	8504250	PTPRD_5189	-	GTGACCTATGCACCAGACGTCTCTTTGCTTACTTTCTGCCTTTTTATTTCCTCGGGGAGAAGATCGGAAGAGCGGTTCAG
chr9	8507251	8507290	PTPRD_5190	-	GTGACCTATGCACCAGACGTAGTGCTTCTCACCTTGGGAATTATTCATTACGTGGGGCCAAGATCGGAAGAGCGGTTCAG
chr9	8517798	8517837	PTPRD_5191	-	GTGACCTATGCACCAGACGTTTGAGGAGGGAAATAGGGCAGGAGGGAAGGGCTGGTGCAAAGATCGGAAGAGCGGTTCAG
chr9	8521227	8521266	PTPRD_5192	-	GTGACCTATGCACCAGACGTTGGATTATGCTTTGAGGATCTGGGTACACTCAAGCCAAGTAGATCGGAAGAGCGGTTCAG
chr9	8523463	8523502	PTPRD_5193	-	GTGACCTATGCACCAGACGTTTTTTACTTTTTACCCACCTTACAAAACTATTAATTAAACAGATCGGAAGAGCGGTTCAG
chr9	8526577	8526616	PTPRD_5194	-	GTGACCTATGCACCAGACGTTGAACTAACGTTCACAGAATGATCTTACTCATTCTTTCTGAGATCGGAAGAGCGGTTCAG
chr9	8527295	8527334	PTPRD_5195	-	GTGACCTATGCACCAGACGTAGTTCTGAAGCGCACTTCAACCCCACTAATTTCCATATCCAGATCGGAAGAGCGGTTCAG
chr9	8633267	8633306	PTPRD_5196	-	GTGACCTATGCACCAGACGTAAGTGAAGGTTGTCGTTTGTGTCATTGTTACAATTCTGTAAGATCGGAAGAGCGGTTCAG
chr9	8636649	8636688	PTPRD_5197	-	GTGACCTATGCACCAGACGTCATTGTTCTGTTTCTCTGGGGGAAGAATGTATCTGCTCTGAGATCGGAAGAGCGGTTCAG
chr9	8733730	8733769	PTPRD_5198	-	GTGACCTATGCACCAGACGTCTCCCCTTCTCTAGGGGGCTGTGACCATAATGAGTGGTTTAGATCGGAAGAGCGGTTCAG
chr9	8486006	8486045	PTPRD_5199	-	GTGACCTATGCACCAGACGTCCTTCACTCAGAAGGCACCACTTCAACCTCCGTCCAGTTAAGATCGGAAGAGCGGTTCAG
chr9	8518089	8518128	PTPRD_5200	-	GTGACCTATGCACCAGACGTGAGGGATGTCCAGGCACGAATGTTGAGTTCGACCACCATTAGATCGGAAGAGCGGTTCAG
chr14	68290211	68290250	RAD51L1_5201	-	GTGACCTATGCACCAGACGTCCAGCAAAGAAAAGAAGAACCATGAAAAAAACAACAGAATAGATCGGAAGAGCGGTTCAG
chr14	68292131	68292170	RAD51L1_5202	-	GTGACCTATGCACCAGACGTATAAAGAGAGTATTTTAAACATATATGTGTAACAAAGATAAGATCGGAAGAGCGGTTCAG
chr14	68301747	68301786	RAD51L1_5203	-	GTGACCTATGCACCAGACGTAAATGATTAAGTTTTTTTTCAACCTCTATATATATTCAAAAGATCGGAAGAGCGGTTCAG
chr14	68352536	68352575	RAD51L1_5204	-	GTGACCTATGCACCAGACGTAAAAAATAGCACAAACGAAAACAGTCAATTCTACTTAAAGAGATCGGAAGAGCGGTTCAG
chr14	68758551	68758590	RAD51L1_5205	-	GTGACCTATGCACCAGACGTACAGGGAGAAGGGGTAGGGGGCAAGGGAGAAGAAAGACAGAGATCGGAAGAGCGGTTCAG
chr14	68878091	68878130	RAD51L1_5206	-	GTGACCTATGCACCAGACGTATGGTAAAAGCACGCTTTCAGATGCCCTTTCTTGAGATGGAGATCGGAAGAGCGGTTCAG
chr14	68934839	68934878	RAD51L1_5207	-	GTGACCTATGCACCAGACGTAGCACATTTTTCTAGGGTTAGTCAAAGGATCAGGGATGGGAGATCGGAAGAGCGGTTCAG
chr7	151164155	151164194	RHEB_5208	-	GTGACCTATGCACCAGACGTAAGCCTGAGGACACTGGGAATATATTCTACCTGAAGAAGCAGATCGGAAGAGCGGTTCAG
chr7	151167607	151167646	RHEB_5209	-	GTGACCTATGCACCAGACGTCTATAAACCTCATTTTGCATTGCGTTCTCATCAGTCGCAGAGATCGGAAGAGCGGTTCAG
chr7	151168430	151168469	RHEB_5210	-	GTGACCTATGCACCAGACGTTTTATAAAGTCAAATCTAAGATGATTTAGTCACTGAAGTAAGATCGGAAGAGCGGTTCAG
chr7	151168585	151168624	RHEB_5211	-	GTGACCTATGCACCAGACGTCCATTTTATCTGCTTGTTAGAGAAACTTCTTTTAATAGTAAGATCGGAAGAGCGGTTCAG
chr7	151174369	151174408	RHEB_5212	-	GTGACCTATGCACCAGACGTTGCTGCCTGCTTGAGTTGATTTGCTACTCATAGATAACATAGATCGGAAGAGCGGTTCAG
chr7	151181773	151181812	RHEB_5213	-	GTGACCTATGCACCAGACGTTCTGGTATCTCAGAATCTTATACAGCATATCTGACAGTCTAGATCGGAAGAGCGGTTCAG
chr7	151187979	151188018	RHEB_5214	-	GTGACCTATGCACCAGACGTTTTTCAAGTACTTAAAAACTGAGAAGCCTTCTTTTGTGTAAGATCGGAAGAGCGGTTCAG
chr7	151216496	151216535	RHEB_5215	-	GTGACCTATGCACCAGACGTGGTGGCCGCGCGGCCTCCTCGCGCCGCCGGGGCCTCGCCTAGATCGGAAGAGCGGTTCAG
chr3	49397592	49397631	RHOA_5216	-	GTGACCTATGCACCAGACGTCAAGCACAGCCCTTATGCGGTTAATTTTGAAGTGCTGTTTAGATCGGAAGAGCGGTTCAG
chr3	49399879	49399918	RHOA_5217	-	GTGACCTATGCACCAGACGTGGGCAGGACTGTCTTGTAGTATTCTTGAACTAGGGCCCCAAGATCGGAAGAGCGGTTCAG
chr3	49405811	49405850	RHOA_5218	-	GTGACCTATGCACCAGACGTCTGCACCCTGATATTTGTCACTGCCTGTGTAGCTAGTTGGAGATCGGAAGAGCGGTTCAG
chr3	49412817	49412856	RHOA_5219	-	GTGACCTATGCACCAGACGTTTTTCATAACAACTGATGCCATTTTCCATGTTAGAATATTAGATCGGAAGAGCGGTTCAG
chr1	26856362	26856401	RPS6KA1_5220	-	GTGACCTATGCACCAGACGTCCAGGTCACCCGCGCTCCTCCGGCGGCCCCGGCTGCGCCGAGATCGGAAGAGCGGTTCAG

chr1	26863366	26863405	RPS6KA1_5221	-	GTGACCTATGCACCAGACGTGAAAGGAGATTGGGGGAGCACTGTCAGAACTTACACGCTTAGATCGGAAGAGCGGTTCAG
chr1	26872342	26872381	RPS6KA1_5222	-	GTGACCTATGCACCAGACGTGGGCCACGGCACCATGGCAGGAGCAGGCAGAGTCCGGGGCAGATCGGAAGAGCGGTTCAG
chr1	26873308	26873347	RPS6KA1_5223	-	GTGACCTATGCACCAGACGTGACAGAGCTGGTGGGCATGGTGGGCCCCATCCAGGCAGCAAGATCGGAAGAGCGGTTCAG
chr1	26873630	26873669	RPS6KA1_5224	-	GTGACCTATGCACCAGACGTAGAGCAGGAAGCAGGGCAGAAGATGGGAGAGGTCTGAGTCAGATCGGAAGAGCGGTTCAG
chr1	26877838	26877877	RPS6KA1_5225	-	GTGACCTATGCACCAGACGTGAGAAAGGAAGTCACCAGTAGCCTAGACACTCAACACAGCAGATCGGAAGAGCGGTTCAG
chr1	26878085	26878124	RPS6KA1_5226	-	GTGACCTATGCACCAGACGTGGAGAAAGGCAATGGTAGAGTCGGCGCGGCCTTATGATCTAGATCGGAAGAGCGGTTCAG
chr1	26879832	26879871	RPS6KA1_5227	-	GTGACCTATGCACCAGACGTCAGGAGGGGCCTTCAGCAGGGACCTCCTCTTCCTTAAGAGAGATCGGAAGAGCGGTTCAG
chr1	26880655	26880694	RPS6KA1_5228	-	GTGACCTATGCACCAGACGTGAAATAGTGGTCAGGGCCCCTCAGCTGTGGCCGTGTGGGTAGATCGGAAGAGCGGTTCAG
chr1	26881037	26881076	RPS6KA1_5229	-	GTGACCTATGCACCAGACGTGAGGGCAGGAGGACACACCTTAGGACCCCTGCCTTCCTTGAGATCGGAAGAGCGGTTCAG
chr1	26881592	26881631	RPS6KA1_5230	-	GTGACCTATGCACCAGACGTCAAGGATCTATTCAGGCTCTGATCCCTGTCTCCGACACACAGATCGGAAGAGCGGTTCAG
chr1	26881978	26882017	RPS6KA1_5231	-	GTGACCTATGCACCAGACGTCCCCGGGACTCATCAAGGCTGAGCCCTGCCCCAGAGGCCCAGATCGGAAGAGCGGTTCAG
chr1	26883095	26883134	RPS6KA1_5232	-	GTGACCTATGCACCAGACGTCCAAATGAAGGGTCTGTCCCTGGCTGGCACAAGTCCCAGAAGATCGGAAGAGCGGTTCAG
chr1	26883439	26883478	RPS6KA1_5233	-	GTGACCTATGCACCAGACGTGGGTGGGCACTCTGGTCACCATGGCATCCTCAACAGCCCAAGATCGGAAGAGCGGTTCAG
chr1	26885248	26885287	RPS6KA1_5234	-	GTGACCTATGCACCAGACGTGGAAGGAGAATGTGAGGGTACCTGAGGAGGTCCCCTCGACAGATCGGAAGAGCGGTTCAG
chr1	26887167	26887206	RPS6KA1_5235	-	GTGACCTATGCACCAGACGTCCAAAAATTGTGGCTGACCCCTGGCTCTAGAGTGCTAGGGAGATCGGAAGAGCGGTTCAG
chr1	26887486	26887525	RPS6KA1_5236	-	GTGACCTATGCACCAGACGTGGGGTGCATGTGGCAGTGTCAGGGTGACAGGGTCCAGGGTAGATCGGAAGAGCGGTTCAG
chr1	26887946	26887985	RPS6KA1_5237	-	GTGACCTATGCACCAGACGTCCTCACCATCAGGCTCTTCTCCCCAGTGTCAGGCCTGAGCAGATCGGAAGAGCGGTTCAG
chr1	26897890	26897929	RPS6KA1_5238	-	GTGACCTATGCACCAGACGTGGGGCTGGGGTCAGTTCTCAGTGTGGGGAGGTGGCTAGTGAGATCGGAAGAGCGGTTCAG
chr1	26898290	26898329	RPS6KA1_5239	-	GTGACCTATGCACCAGACGTGGCAGGGGAGGTGGTCAGTCTGGGGGGGCAGTAGAAAGTCAGATCGGAAGAGCGGTTCAG
chr1	26898617	26898656	RPS6KA1_5240	-	GTGACCTATGCACCAGACGTGCCCGCACGGTCTGGGTACAGACTCTGGCCTCCATACTGGAGATCGGAAGAGCGGTTCAG
chr1	26899665	26899704	RPS6KA1_5241	-	GTGACCTATGCACCAGACGTAGTGGGCAAGGGGGTTGGGGGAGGGCTGCAGGGGAGCAGGAGATCGGAAGAGCGGTTCAG
chr1	26900520	26900559	RPS6KA1_5242	-	GTGACCTATGCACCAGACGTAGTGGGGAGGTCAGGTCACAATGGTGGGAGATGTAGCGGGAGATCGGAAGAGCGGTTCAG
chr17	57970496	57970535	RPS6KB1_5243	-	GTGACCTATGCACCAGACGTCCGCCGCAGCCACCACAGCCGCTGCCGCCATCACCGGCTGAGATCGGAAGAGCGGTTCAG
chr17	57987873	57987912	RPS6KB1_5244	-	GTGACCTATGCACCAGACGTTGTTAAAAGTTTCAGAAATAATCTAATAAACATAAAATTTAGATCGGAAGAGCGGTTCAG
chr17	57989995	57990034	RPS6KB1_5245	-	GTGACCTATGCACCAGACGTAAGCAAAACCAAAAATAAATTTGCAAAAAGTTAAATTACTAGATCGGAAGAGCGGTTCAG
chr17	57991946	57991985	RPS6KB1_5246	-	GTGACCTATGCACCAGACGTAAAAAGTGTGTGTTATTCAAAGGCAAACTATGTCAGGCATAGATCGGAAGAGCGGTTCAG
chr17	58003746	58003785	RPS6KB1_5247	-	GTGACCTATGCACCAGACGTAGAGATCATCTATAAGAACAAAATAGTGAACATTTTTATTAGATCGGAAGAGCGGTTCAG
chr17	58007428	58007467	RPS6KB1_5248	-	GTGACCTATGCACCAGACGTAAAGAAAAAACATTATAAATAAAACAATATTTATTTCCAAAGATCGGAAGAGCGGTTCAG
chr17	58008933	58008972	RPS6KB1_5249	-	GTGACCTATGCACCAGACGTAAGTGATTTAATAAAATTAAAAAGAGTGTAATCTATCCAAAGATCGGAAGAGCGGTTCAG
chr17	58011481	58011520	RPS6KB1_5250	-	GTGACCTATGCACCAGACGTAGATTACAGCATGATTATTCTCCGAATTATAAGTATGTGCAGATCGGAAGAGCGGTTCAG
chr17	58011745	58011784	RPS6KB1_5251	-	GTGACCTATGCACCAGACGTGAAAATAATATGCTTAAAAATTCACCCATTTGCATATCATAGATCGGAAGAGCGGTTCAG
chr17	58012504	58012543	RPS6KB1_5252	-	GTGACCTATGCACCAGACGTAAGACAAGTGAAAAATATTAGCAGGGAGAGAAAAATATTAAGATCGGAAGAGCGGTTCAG
chr17	58013526	58013565	RPS6KB1_5253	-	GTGACCTATGCACCAGACGTGAAAAAAAGCTTGGATAAAGAACCTTAGTCAAACTGATTTAGATCGGAAGAGCGGTTCAG
chr17	58013775	58013814	RPS6KB1_5254	-	GTGACCTATGCACCAGACGTAAAAGCAGGAAGAAAAGTTGAGGGGACTAGACTTTGCTGGAGATCGGAAGAGCGGTTCAG
chr17	58018147	58018186	RPS6KB1_5255	-	GTGACCTATGCACCAGACGTACAAAATAATTTAGAAAATAATAAATAGTCCATGTTACATAGATCGGAAGAGCGGTTCAG
chr17	58022717	58022756	RPS6KB1_5256	-	GTGACCTATGCACCAGACGTGTAACAGTGGACTACAGAATGGCATTTTGTCATGTATCTCAGATCGGAAGAGCGGTTCAG
chr17	58023862	58023901	RPS6KB1_5257	-	GTGACCTATGCACCAGACGTAGGAAGAGCTATCATTCATTTGCTTAAGGGTCATCTCAACAGATCGGAAGAGCGGTTCAG
chr8	92972420	92972459	RUNX1T1_5258	-	GTGACCTATGCACCAGACGTAGAACTGTCGGAGGAAAGACAACACAACCAACGCGAAACCAGATCGGAAGAGCGGTTCAG
chr8	92982836	92982875	RUNX1T1_5259	-	GTGACCTATGCACCAGACGTTTGGGAAGCTCCAAATAAACAAGATAGTTTTCATTCATTAAGATCGGAAGAGCGGTTCAG
chr8	92988083	92988122	RUNX1T1_5260	-	GTGACCTATGCACCAGACGTTTTAAAAACATGAGTTTCGTGTTCTGGCAGCTGTGTGCAGAGATCGGAAGAGCGGTTCAG
chr8	92998302	92998341	RUNX1T1_5261	-	GTGACCTATGCACCAGACGTTTCAGATGAGTATCTCGAAAACACATATTTCTTATGCTGTAGATCGGAAGAGCGGTTCAG
chr8	92999065	92999104	RUNX1T1_5262	-	GTGACCTATGCACCAGACGTAGTAATCATTTGGGATTAAAAAATGTTTGGAAAACAACTGAGATCGGAAGAGCGGTTCAG
chr8	93003817	93003856	RUNX1T1_5263	-	GTGACCTATGCACCAGACGTAGGACCTGTTCACTTCTTACGGGATTGGGTGCTTGAAGACAGATCGGAAGAGCGGTTCAG
chr8	93017294	93017333	RUNX1T1_5264	-	GTGACCTATGCACCAGACGTGGAGGAGCCTGGATGAACCATGACCTTTTTCCCATACCTGAGATCGGAAGAGCGGTTCAG
chr8	93023180	93023219	RUNX1T1_5265	-	GTGACCTATGCACCAGACGTGTTCACTGGTCTGTAAAGTATTTTAAACCATATTGTTGCTAGATCGGAAGAGCGGTTCAG
chr8	93026757	93026796	RUNX1T1_5266	-	GTGACCTATGCACCAGACGTGGAAACCAACCCAGTTTTCTTGGTGTAAGGGATAGTGTGGAGATCGGAAGAGCGGTTCAG
chr8	93029404	93029443	RUNX1T1_5267	-	GTGACCTATGCACCAGACGTATTTCAGGCTTTTGAGTTTCAGTTTTAAAGTTTAAATTAAAGATCGGAAGAGCGGTTCAG
chr8	93074724	93074763	RUNX1T1_5268	-	GTGACCTATGCACCAGACGTCCTGTTCTGTGTTCTCTCTGTTTTTCCAATGAAGAAAGCTAGATCGGAAGAGCGGTTCAG
chr8	93088143	93088182	RUNX1T1_5269	-	GTGACCTATGCACCAGACGTGACAAATATTTTGATTTTGCAATTTACTTACGTACCAGAAAGATCGGAAGAGCGGTTCAG
chr1	161284146	161284185	SDHC_5270	-	GTGACCTATGCACCAGACGTGGTCTGGACGGAAGTGACGCCAGGCGGCCCCGCCACCCGAAGATCGGAAGAGCGGTTCAG
chr1	161293354	161293393	SDHC_5271	-	GTGACCTATGCACCAGACGTAGAGAATCAAAAATCAATACACATTTAGAGATCAACTTTAAGATCGGAAGAGCGGTTCAG
chr1	161298136	161298175	SDHC_5272	-	GTGACCTATGCACCAGACGTACCAGACCGTTTGAAAATAACTAAAAGTAAACTTGGTTTAAGATCGGAAGAGCGGTTCAG
chr1	161310334	161310373	SDHC_5273	-	GTGACCTATGCACCAGACGTACACACAAAGACAATTTTAAAAAGGAAAAGATGACACCATAGATCGGAAGAGCGGTTCAG
chr1	161326417	161326456	SDHC_5274	-	GTGACCTATGCACCAGACGTAACCAAGTAGCTTGTCACAGCTGCTCATAAGTTACAACTAAGATCGGAAGAGCGGTTCAG
chr1	161332069	161332108	SDHC_5275	-	GTGACCTATGCACCAGACGTAGCAAAAAAAAAAAAAAGGAATTTCAGTAAATAGGACATTAGATCGGAAGAGCGGTTCAG
chr11	111957582	111957621	SDHD_5276	-	GTGACCTATGCACCAGACGTAGGGCTCAAGGTCATCCACCAACCCGGAACCACTTAGGCGAGATCGGAAGAGCGGTTCAG
chr11	111958531	111958570	SDHD_5277	-	GTGACCTATGCACCAGACGTAGTCATTAGGATGATCATAAGAACCTCTCCTTTAACAGGAAGATCGGAAGAGCGGTTCAG
chr11	111959541	111959580	SDHD_5278	-	GTGACCTATGCACCAGACGTGACCAGATTCATAAAAGTTGATGTGAGAAACACACATCTTAGATCGGAAGAGCGGTTCAG

chr11	111965479	111965518	SDHD_5279	-	GTGACCTATGCACCAGACGTAGAAAAAATCATAACATCAATAAAAAACCACAGTGAAATTAGATCGGAAGAGCGGTTCAG
chr10	88718405	88718444	SNCG_5280	-	GTGACCTATGCACCAGACGTCAGGGTTGTGCTGCTGCAGGCAGGACGGAGCTGGATCTCCAGATCGGAAGAGCGGTTCAG
chr10	88719340	88719379	SNCG_5281	-	GTGACCTATGCACCAGACGTAATGGAGCTGTCAGCCCAGACCTCCCTCGAGGTGTTGGGGAGATCGGAAGAGCGGTTCAG
chr10	88719708	88719747	SNCG_5282	-	GTGACCTATGCACCAGACGTACACTGGCTGGCCTCCACCCCAGCCCCAGCCCCAAGGCAGAGATCGGAAGAGCGGTTCAG
chr10	88722311	88722350	SNCG_5283	-	GTGACCTATGCACCAGACGTCAAAAGGGGGCATGAGACCATGTGGAGAATGCAGAGACCCAGATCGGAAGAGCGGTTCAG
chr10	88722672	88722711	SNCG_5284	-	GTGACCTATGCACCAGACGTGAATGACCTGCACACCCAGCTCCAGGCCCCAGCCTTAATGAGATCGGAAGAGCGGTTCAG
chr12	93966624	93966663	SOCS2_5285	-	GTGACCTATGCACCAGACGTTCACCGCGGCAAAGACAGGTGGCCGCCCGAGCTGGGGTCAAGATCGGAAGAGCGGTTCAG
chr12	93968448	93968487	SOCS2_5286	-	GTGACCTATGCACCAGACGTTGTTCAAAAAGAAAAAGAAAAGAGGGTAAAACAGTTATTAAGATCGGAAGAGCGGTTCAG
chr1	16174513	16174552	SPEN_5287	-	GTGACCTATGCACCAGACGTGTGCCGGCGACCGCCGCTGCTGGCTCCCCCTCGCCGGCTTAGATCGGAAGAGCGGTTCAG
chr1	16199261	16199300	SPEN_5288	-	GTGACCTATGCACCAGACGTTAAAGTCAACGTTATTGCTGCATATCAATAATTTTCCAAAAGATCGGAAGAGCGGTTCAG
chr1	16202647	16202686	SPEN_5289	-	GTGACCTATGCACCAGACGTGAGGGGGAAAAATATTTAATCAGAAAGGAGCAAGCAAAACAGATCGGAAGAGCGGTTCAG
chr1	16235766	16235805	SPEN_5290	-	GTGACCTATGCACCAGACGTGCAACAACAACAAACTTTAGTGAAAAGACAAACAGAAAATAGATCGGAAGAGCGGTTCAG
chr1	16237546	16237585	SPEN_5291	-	GTGACCTATGCACCAGACGTAAAAAAAACCAAGTTATTAATTCTTCTAATTTAATTATAAAGATCGGAAGAGCGGTTCAG
chr1	16242573	16242612	SPEN_5292	-	GTGACCTATGCACCAGACGTAATGGGGGCCGAGTAAAAAGAGAAGACAGTATTTTAATGCAGATCGGAAGAGCGGTTCAG
chr1	16245371	16245410	SPEN_5293	-	GTGACCTATGCACCAGACGTCAATGAATACAACTTAGCAATATGCCCAAGAAAATAAATTAGATCGGAAGAGCGGTTCAG
chr1	16245849	16245888	SPEN_5294	-	GTGACCTATGCACCAGACGTAAGGCAAAATTTCTATTAGTAAAGTTCACAATTACTATTCAGATCGGAAGAGCGGTTCAG
chr1	16247315	16247354	SPEN_5295	-	GTGACCTATGCACCAGACGTAACAAACAAAAAACAAGTAAGAGCCTCATCCACTGGACTTAGATCGGAAGAGCGGTTCAG
chr1	16248694	16248733	SPEN_5296	-	GTGACCTATGCACCAGACGTAAAAAGAGGTGTTTGATGCAAGTTTCAAATTTTAATGATGAGATCGGAAGAGCGGTTCAG
chr1	16254536	16254575	SPEN_5297	-	GTGACCTATGCACCAGACGTATAACAAAGATATTAGTTCTTTTGTTTCCTCATCACTTATAGATCGGAAGAGCGGTTCAG
chr1	16263608	16263647	SPEN_5298	-	GTGACCTATGCACCAGACGTGAAGGAAGGCAAAGGGACAGAGTCAGTCTGTTGTGCACAAAGATCGGAAGAGCGGTTCAG
chr1	16264257	16264296	SPEN_5299	-	GTGACCTATGCACCAGACGTGGAAACAAACAGGAAGTGAGCTCATGGCCCCTCGCTGAGCAGATCGGAAGAGCGGTTCAG
chr1	16265163	16265202	SPEN_5300	-	GTGACCTATGCACCAGACGTGGCCAGCTGCCAGTGAGCAGGGGCCTCCTAGTCAAACAGCAGATCGGAAGAGCGGTTCAG
chr1	16265741	16265780	SPEN_5301	-	GTGACCTATGCACCAGACGTGATAGAGAGCAAAGTGGGACCGTCTGTCTTCACCCCCACAAGATCGGAAGAGCGGTTCAG
chr1	16255017	16255056	SPEN_5302	-	GTGACCTATGCACCAGACGTTATCTTGGAGGGGAGAGTGAGCTACAGCTTCCACTCCGGTAGATCGGAAGAGCGGTTCAG
chr1	16255498	16255537	SPEN_5303	-	GTGACCTATGCACCAGACGTTGATTCCAGTTTAGACAAGTCAGATTTTGCAGGCTCCGTCAGATCGGAAGAGCGGTTCAG
chr1	16255979	16256018	SPEN_5304	-	GTGACCTATGCACCAGACGTATTCACCTGCTAGTTCTCCCAGTCTTGCTTGTAGGTCTGAAGATCGGAAGAGCGGTTCAG
chr1	16256460	16256499	SPEN_5305	-	GTGACCTATGCACCAGACGTGAATCTTCGCTGATTTGGCGTGAACTTCTGTAATTCCGTTAGATCGGAAGAGCGGTTCAG
chr1	16256941	16256980	SPEN_5306	-	GTGACCTATGCACCAGACGTTAGCTTGTCTTCTCTGTCCCTCAATAAAAAAGACAATCGAAGATCGGAAGAGCGGTTCAG
chr1	16257422	16257461	SPEN_5307	-	GTGACCTATGCACCAGACGTTGGAATCAGTTGTGCTGTTTGCTCCCTCAGATGTCTGCTTAGATCGGAAGAGCGGTTCAG
chr1	16257903	16257942	SPEN_5308	-	GTGACCTATGCACCAGACGTGGAGGCTTGGCATCCAGATAAGGCGGCTGGTCACCTGATGAGATCGGAAGAGCGGTTCAG
chr1	16258384	16258423	SPEN_5309	-	GTGACCTATGCACCAGACGTGAGAGGCAAACTTGGTTCGGGATGTTCAAGGTCTGCAGCAAGATCGGAAGAGCGGTTCAG
chr1	16258865	16258904	SPEN_5310	-	GTGACCTATGCACCAGACGTTTTCAGGGGGGTTTTTGTCTGTGCCAGCATCTTTTCTGTCAGATCGGAAGAGCGGTTCAG
chr1	16259346	16259385	SPEN_5311	-	GTGACCTATGCACCAGACGTGCAGCCAGCTCTGTTTCACTTGCTTGGTGTGCAGGCTTGTAGATCGGAAGAGCGGTTCAG
chr1	16259827	16259866	SPEN_5312	-	GTGACCTATGCACCAGACGTGTGCTGTACTGTTGTCCCCTCATTTGCAGCAGGACTCTCAAGATCGGAAGAGCGGTTCAG
chr1	16260308	16260347	SPEN_5313	-	GTGACCTATGCACCAGACGTGAATCTTCCTCAGGGTGCTGGAGCTGGTGTCAACATCAGAAGATCGGAAGAGCGGTTCAG
chr1	16260789	16260828	SPEN_5314	-	GTGACCTATGCACCAGACGTTTCACAGGCCCTTTCAGGACGTTCACGGGCCCAGCAGGGGAGATCGGAAGAGCGGTTCAG
chr1	16261270	16261309	SPEN_5315	-	GTGACCTATGCACCAGACGTAGGTTTGACCTGGGACTTGGACACTGACTGCTGAAATTCAAGATCGGAAGAGCGGTTCAG
chr1	16261751	16261790	SPEN_5316	-	GTGACCTATGCACCAGACGTCAGCTGCCAAATGGGAGACAGTTCGATCTGCTGGGATGCTAGATCGGAAGAGCGGTTCAG
chr1	16262232	16262271	SPEN_5317	-	GTGACCTATGCACCAGACGTACTAGTACCTCTGACTGCACAGGGGCTGTGGCTCGAGCGAAGATCGGAAGAGCGGTTCAG
chrX	48887619	48887658	TFE3_5318	-	GTGACCTATGCACCAGACGTCCCCTCCCCTGGGACTTTCCCACCCAGGAAAGGAGGACCAAGATCGGAAGAGCGGTTCAG
chrX	48888862	48888901	TFE3_5319	-	GTGACCTATGCACCAGACGTAGGAGATGGTGGTGGGGGAAGAGGGGGAGAGCTTCCTGCAAGATCGGAAGAGCGGTTCAG
chrX	48890930	48890969	TFE3_5320	-	GTGACCTATGCACCAGACGTGCTGGGACCCTCAGGCCAGCGGGAGGTGGGGCAGGCGTCCAGATCGGAAGAGCGGTTCAG
chrX	48891191	48891230	TFE3_5321	-	GTGACCTATGCACCAGACGTGAGCGTGTGCATTGCCCGGGTGCTGTGCAGGCCTGCCTCAAGATCGGAAGAGCGGTTCAG
chrX	48891599	48891638	TFE3_5322	-	GTGACCTATGCACCAGACGTGGGTCTTGGCCCCATGGCCCTACACTTTACCCCAGGTGAGAGATCGGAAGAGCGGTTCAG
chrX	48895485	48895524	TFE3_5323	-	GTGACCTATGCACCAGACGTGAGATGGGAGGTTGGTCTGAAAATTAGGGCATTTCTGTATAGATCGGAAGAGCGGTTCAG
chrX	48895672	48895711	TFE3_5324	-	GTGACCTATGCACCAGACGTACAGCCAAACCTCCTCCCACATTCCCCTCCCAAATTCTTCAGATCGGAAGAGCGGTTCAG
chrX	48896582	48896621	TFE3_5325	-	GTGACCTATGCACCAGACGTATCCAGAGGCCCTGGGAGGGGGCTCCTGGTGACTGAGGAGAGATCGGAAGAGCGGTTCAG
chrX	48897932	48897971	TFE3_5326	-	GTGACCTATGCACCAGACGTCTTGTCTATCTGATTCCCCTCCCAATTCCTCAGCCCTCCTAGATCGGAAGAGCGGTTCAG
chrX	48900587	48900626	TFE3_5327	-	GTGACCTATGCACCAGACGTGCCTGGGGCTGGGAGTGCCGACTGGGGCTCCCAGGGGCCTAGATCGGAAGAGCGGTTCAG
chr9	101891087	101891126	TGFBR1_5328	-	GTGACCTATGCACCAGACGTAGAAAGATTCTTAGAAAAAATCTCAAGGTTAACAGTTTGAAGATCGGAAGAGCGGTTCAG
chr9	101894741	101894780	TGFBR1_5329	-	GTGACCTATGCACCAGACGTGCCTCGAGTGAAATAAACATCAACAACGACAAAAACACTGAGATCGGAAGAGCGGTTCAG
chr9	101900091	101900130	TGFBR1_5330	-	GTGACCTATGCACCAGACGTAAATAAATAGTACTCAACACAATCAACAATATTACATGTTAGATCGGAAGAGCGGTTCAG
chr9	101904768	101904807	TGFBR1_5331	-	GTGACCTATGCACCAGACGTGAATTAACATTTCGGTTGGGCTGCAGACCATTTATGATTTAGATCGGAAGAGCGGTTCAG
chr9	101906964	101907003	TGFBR1_5332	-	GTGACCTATGCACCAGACGTAAAAATTAAACATGACTGCTTAAAAGGTAATACCAATCACAGATCGGAAGAGCGGTTCAG
chr9	101908717	101908756	TGFBR1_5333	-	GTGACCTATGCACCAGACGTTTTGCAAAAAGAACTTTGAAAATCATCCCCTTACTGCCATAGATCGGAAGAGCGGTTCAG
chr9	101909886	101909925	TGFBR1_5334	-	GTGACCTATGCACCAGACGTTTAAAAAAAATTAAATTTTGATGAATTTATTCAGCTAATGAGATCGGAAGAGCGGTTCAG
chr10	102893882	102893921	TLX1_5335	-	GTGACCTATGCACCAGACGTTGTTACAGTGAAGGGTGAGAGGGCCACTGGAGCGGGAGACAGATCGGAAGAGCGGTTCAG
chr10	102896398	102896437	TLX1_5336	-	GTGACCTATGCACCAGACGTAACAAGCCGTTACCTGCCAGGAGCACCGACCCAGCTCCCGAGATCGGAAGAGCGGTTCAG

chr3	195591002	195591041	TNK2_5337	-	GTGACCTATGCACCAGACGTGAGAGCCAGAGGGCCTGCCTGAAGGAATCACCTGAGCCTGAGATCGGAAGAGCGGTTCAG
chr3	195593710	195593749	TNK2_5338	-	GTGACCTATGCACCAGACGTCCCACAGTCTGCCCCGCTCCGTGCCCCAGGAGGGCTGTCCAGATCGGAAGAGCGGTTCAG
chr3	195593990	195594029	TNK2_5339	-	GTGACCTATGCACCAGACGTCTCCTGCTCACTCTGGCTCTCAGGGACCCTGAAGCCTGGTAGATCGGAAGAGCGGTTCAG
chr3	195594182	195594221	TNK2_5340	-	GTGACCTATGCACCAGACGTAGCCTGGCTGTGGGCGAAGCGGGGCAGGGCCCAAGGGGCCAGATCGGAAGAGCGGTTCAG
chr3	195596318	195596357	TNK2_5341	-	GTGACCTATGCACCAGACGTCTGCTTCCGATGCCTTGGCCCCCGCCCCCGCCCCCTCTCTAGATCGGAAGAGCGGTTCAG
chr3	195596935	195596974	TNK2_5342	-	GTGACCTATGCACCAGACGTCTCTGCTCCCTGGTGTCCCTAACTCATCGGCTACTCAGGAAGATCGGAAGAGCGGTTCAG
chr3	195599097	195599136	TNK2_5343	-	GTGACCTATGCACCAGACGTGGCGGGGATGGATGCTGACCTGGCCCCGCTCGGGACTCCAAGATCGGAAGAGCGGTTCAG
chr3	195605074	195605113	TNK2_5344	-	GTGACCTATGCACCAGACGTCAGGGCTGGGCCCCGCCCTGGGATCGCTTGAAGGGCACAGAGATCGGAAGAGCGGTTCAG
chr3	195605267	195605306	TNK2_5345	-	GTGACCTATGCACCAGACGTGGTCAGCCCAGGAGAGCTGGGGTGTTCAAGCTGAGGGGCTAGATCGGAAGAGCGGTTCAG
chr3	195605870	195605909	TNK2_5346	-	GTGACCTATGCACCAGACGTGGAGACGGGCCCCCATAGGGCTGGTGGGGTGAATTCCATTAGATCGGAAGAGCGGTTCAG
chr3	195608872	195608911	TNK2_5347	-	GTGACCTATGCACCAGACGTGGTGCTGCCAGCTCACAGAGTCCCTGCAGACCCAGGCCTCAGATCGGAAGAGCGGTTCAG
chr3	195609978	195610017	TNK2_5348	-	GTGACCTATGCACCAGACGTCGGGCGGGAGGGGGCGGGCAGGGAGAGGGCTCCGGTCCCAAGATCGGAAGAGCGGTTCAG
chr3	195611633	195611672	TNK2_5349	-	GTGACCTATGCACCAGACGTTGTGTCCTGCCAGCGCAGCAGAGGCATGGGACCCGGGGCTAGATCGGAAGAGCGGTTCAG
chr3	195615247	195615286	TNK2_5350	-	GTGACCTATGCACCAGACGTTGTTGGCCTGGCTTGTCTTGCCCCTGACCCTTTCCGTCCTAGATCGGAAGAGCGGTTCAG
chr3	195622067	195622106	TNK2_5351	-	GTGACCTATGCACCAGACGTAGGCTAGGGGATAGCCAGATACCTGGGCCCCAGACCCCTTAGATCGGAAGAGCGGTTCAG
chr3	195594631	195594670	TNK2_5352	-	GTGACCTATGCACCAGACGTCCAGAGCTTTGCCTCAGACCCCAAGTACGCCACCCCCCAGAGATCGGAAGAGCGGTTCAG
chr3	195595080	195595119	TNK2_5353	-	GTGACCTATGCACCAGACGTAACTACGCCTTTGTGCCTGAGCAGGCGCGGCCGCCCCCTCAGATCGGAAGAGCGGTTCAG
chr19	54072581	54072620	ZNF331_5354	-	GTGACCTATGCACCAGACGTCTGAAGAACTGATCAGTCTTCTCGGGGTTTCCACTGAAGAAGATCGGAAGAGCGGTTCAG
chr19	54074808	54074847	ZNF331_5355	-	GTGACCTATGCACCAGACGTAACCCACACGTGCATGATGAAATGAAAGGAAACAGCTTCCAGATCGGAAGAGCGGTTCAG
chr19	54079901	54079940	ZNF331_5356	-	GTGACCTATGCACCAGACGTAGAACATATTTTCTTTCCTTTAGAGGGACACAAGTACAAAAGATCGGAAGAGCGGTTCAG
chr19	54080319	54080358	ZNF331_5357	-	GTGACCTATGCACCAGACGTTATGAATTTTTTGATGTTGAGTAAGCTGATTGCCCCAACGAGATCGGAAGAGCGGTTCAG
chr19	54080737	54080776	ZNF331_5358	-	GTGACCTATGCACCAGACGTTGGATCTTCTGATGCTGAGTAAGGTAATTGACTCGAGTAAAGATCGGAAGAGCGGTTCAG
chr11	10327198	10327237	ADM_5359	-	GTGACCTATGCACCAGACGTAAGCGCAGACCCTGGAAAAGAAGAAAGAGAGTCGAGCGTGAGATCGGAAGAGCGGTTCAG
chr11	10327446	10327485	ADM_5360	-	GTGACCTATGCACCAGACGTCAAGCAGACCCGATTCGCGTGCGTTCAGGTGACGCCCAGGAGATCGGAAGAGCGGTTCAG
chr11	10327829	10327868	ADM_5361	-	GTGACCTATGCACCAGACGTGGGGAGGGGGAAGAAAGGCAACTTGAGACCCCATCAAGCAAGATCGGAAGAGCGGTTCAG
chr14	20923755	20923794	APEX1_5362	-	GTGACCTATGCACCAGACGTAACGCCCTTGGGCAGCTGTACCGCGTCACCCACCGAAGCAAGATCGGAAGAGCGGTTCAG
chr14	20924023	20924062	APEX1_5363	-	GTGACCTATGCACCAGACGTAGTAATATATACTGACAAAAAGCTGGTGGTTTCCAACTGCAGATCGGAAGAGCGGTTCAG
chr14	20924777	20924816	APEX1_5364	-	GTGACCTATGCACCAGACGTAAAGAAAGGTGGAAAACGTATTATCAATTCAGCAGAACATAGATCGGAAGAGCGGTTCAG
chr14	20925100	20925139	APEX1_5365	-	GTGACCTATGCACCAGACGTGAAACAGAATTAGCATAAAAAACTATAAGAAAAGGGAAAGAGATCGGAAGAGCGGTTCAG
chr14	20925359	20925398	APEX1_5366	-	GTGACCTATGCACCAGACGTCATTCTTTTTGTTCCCCTTGGGGTTGCGAAGGTCAATTTCAGATCGGAAGAGCGGTTCAG
chr19	41725248	41725287	AXL_5367	-	GTGACCTATGCACCAGACGTCTTTCCTCAGAAGTTGTTGGGCTCCCAGCGGGGGAGGGGGAGATCGGAAGAGCGGTTCAG
chr19	41726491	41726530	AXL_5368	-	GTGACCTATGCACCAGACGTGATGGGAAGAGTTAGCTTAGGAACCCCCCAGCTCCTTCCGAGATCGGAAGAGCGGTTCAG
chr19	41727001	41727040	AXL_5369	-	GTGACCTATGCACCAGACGTAAGAGGAGAGACAGAGAGGTTCAGGGTCAGAGCTGGACACAGATCGGAAGAGCGGTTCAG
chr19	41727735	41727774	AXL_5370	-	GTGACCTATGCACCAGACGTGGGCAGTGGTAGAGGCTGGGGTCCCTCTGAGGCCCCAAGAAGATCGGAAGAGCGGTTCAG
chr19	41736822	41736861	AXL_5371	-	GTGACCTATGCACCAGACGTATATGAGGGAAGGGTCCAATATCAGAGAGGGGCAGGAAGGAGATCGGAAGAGCGGTTCAG
chr19	41737038	41737077	AXL_5372	-	GTGACCTATGCACCAGACGTACGGGAGAGATTGACCCTGGGGAGCCTTTGCTCAAAGCTCAGATCGGAAGAGCGGTTCAG
chr19	41743799	41743838	AXL_5373	-	GTGACCTATGCACCAGACGTGCAAGGGTGTGAGGACGGGACAGCCAAGCAATCACACGAGAGATCGGAAGAGCGGTTCAG
chr19	41744325	41744364	AXL_5374	-	GTGACCTATGCACCAGACGTGGGAAGAGGGGAAGCTGGCACCCCCACCTCTTCCTGACCCAGATCGGAAGAGCGGTTCAG
chr19	41745019	41745058	AXL_5375	-	GTGACCTATGCACCAGACGTCAGAAGTGGCATCAGGGTAGAACCTTACCCCCCAGCTGTTAGATCGGAAGAGCGGTTCAG
chr19	41745549	41745588	AXL_5376	-	GTGACCTATGCACCAGACGTAAAGGACAGAGAGGAGATGTGCTCAGAGAGGACAAGACTGAGATCGGAAGAGCGGTTCAG
chr19	41748738	41748777	AXL_5377	-	GTGACCTATGCACCAGACGTGTATGAGGAACAGGTCATGGATGAAGCCTTGGATCCAGCTAGATCGGAAGAGCGGTTCAG
chr19	41749471	41749510	AXL_5378	-	GTGACCTATGCACCAGACGTGGGGGAGTAGGTGAGGGCAGGGAAAAACCATGTGGAACCCAGATCGGAAGAGCGGTTCAG
chr19	41754598	41754637	AXL_5379	-	GTGACCTATGCACCAGACGTCCAGAGGGAGACACTGACCTCAGAGGGCCCGTGGGGACTGAGATCGGAAGAGCGGTTCAG
chr19	41758206	41758245	AXL_5380	-	GTGACCTATGCACCAGACGTAGAGAAAGGTCGTGAGGAGGAGGGGAGGAGAGGGAGGACTAGATCGGAAGAGCGGTTCAG
chr19	41758701	41758740	AXL_5381	-	GTGACCTATGCACCAGACGTCAGGTAGCCCTGTCACTCCTGCTGGGCAGAAGGGGAAGCCAGATCGGAAGAGCGGTTCAG
chr19	41759454	41759493	AXL_5382	-	GTGACCTATGCACCAGACGTAAGGCAGGTGGGAGGAGAGGTCAACAGAGTCCTTGATGCGAGATCGGAAGAGCGGTTCAG
chr19	41762307	41762346	AXL_5383	-	GTGACCTATGCACCAGACGTTGGGGAAAGGAACAGGGTCAGGGCATCAGTCACCTCCACCAGATCGGAAGAGCGGTTCAG
chr19	41763348	41763387	AXL_5384	-	GTGACCTATGCACCAGACGTCAGAGGGAATTAGACAGTCTCTCCTGCACAGAATCACCCGAGATCGGAAGAGCGGTTCAG
chr19	41765408	41765447	AXL_5385	-	GTGACCTATGCACCAGACGTAAAATGAGGGGTGGGAGATTGAGCAGGGACTCAGAAGGGGAGATCGGAAGAGCGGTTCAG
chr11	102195191	102195230	BIRC3_5386	-	GTGACCTATGCACCAGACGTATGGGGAAGAAAAGGGACTAGCCTTTCTCTAGGGAGGTAGAGATCGGAAGAGCGGTTCAG
chr11	102196147	102196186	BIRC3_5387	-	GTGACCTATGCACCAGACGTTTTTAGACCAAAACTTATGAATACACATAATTTGCCCACTAGATCGGAAGAGCGGTTCAG
chr11	102198733	102198772	BIRC3_5388	-	GTGACCTATGCACCAGACGTAAGAAAATAAAATTTGAGGGATTATTTATACAAGTGAAATAGATCGGAAGAGCGGTTCAG
chr11	102201680	102201719	BIRC3_5389	-	GTGACCTATGCACCAGACGTCAAAGAATTTAACACATATTAGGATAGCCTTATATTTCTTAGATCGGAAGAGCGGTTCAG
chr11	102206647	102206686	BIRC3_5390	-	GTGACCTATGCACCAGACGTAAGAAAACAAGCATAAACATGTTCAAACTCTGCTCACAAAAGATCGGAAGAGCGGTTCAG
chr11	102207441	102207480	BIRC3_5391	-	GTGACCTATGCACCAGACGTAAAAGAAAAAGCATTACTATGACAAATAAGGTTAATATTTAGATCGGAAGAGCGGTTCAG
chr11	102207590	102207629	BIRC3_5392	-	GTGACCTATGCACCAGACGTGAAAGAATTTTTAATAAAAGGCAGTTTGCTTCTTCAGTGAAGATCGGAAGAGCGGTTCAG
chr11	102195617	102195656	BIRC3_5393	-	GTGACCTATGCACCAGACGTGAATAAGAGCCACGGAAATATCCACTGTTTTCTGTACCCGAGATCGGAAGAGCGGTTCAG
chr14	54418521	54418560	BMP4_5394	-	GTGACCTATGCACCAGACGTTCCCCCAGTCTGCGTGGGGGAGGGCTGGTGGGACTGGCTAAGATCGGAAGAGCGGTTCAG

chr14	54417128	54417167	BMP4_5395	-	GTGACCTATGCACCAGACGTCCTCCTGGTCACCTTTGGCCATGATGGCCGGGGCCATGCCAGATCGGAAGAGCGGTTCAG
chr10	88635726	88635765	BMPR1A_5396	-	GTGACCTATGCACCAGACGTTAATGTTTCCTGTGTACTGTCACCTTTAATAATTGGTCTTAGATCGGAAGAGCGGTTCAG
chr10	88649769	88649808	BMPR1A_5397	-	GTGACCTATGCACCAGACGTATATGGAATTTGTAAGTAAATCATTTCTGAAAAGCTCATTAGATCGGAAGAGCGGTTCAG
chr10	88659501	88659540	BMPR1A_5398	-	GTGACCTATGCACCAGACGTAGTAATGATAAAATTAGAAATGGTTTGGTATTTTAAACTGAGATCGGAAGAGCGGTTCAG
chr10	88659734	88659773	BMPR1A_5399	-	GTGACCTATGCACCAGACGTAAGTAAACAATGTAAACAATTGAAATGAAAAAATAATCTGAGATCGGAAGAGCGGTTCAG
chr10	88671947	88671986	BMPR1A_5400	-	GTGACCTATGCACCAGACGTAGCAGAAAACAATCTACATTAAAAATGAAAAACTATAAAAAGATCGGAAGAGCGGTTCAG
chr10	88676841	88676880	BMPR1A_5401	-	GTGACCTATGCACCAGACGTAAAAGTAAAAGGTTTGAGCTCTTGATGAAAGAAACCCATTAGATCGGAAGAGCGGTTCAG
chr10	88678879	88678918	BMPR1A_5402	-	GTGACCTATGCACCAGACGTGATGAGTTTAAAAGGTTAGTTATCATCAGAGATAGGCTAGAGATCGGAAGAGCGGTTCAG
chr10	88681227	88681266	BMPR1A_5403	-	GTGACCTATGCACCAGACGTAGAAAGCCAAGGTCCAAGTTGAGGGCCAAAAATAAAATAGAGATCGGAAGAGCGGTTCAG
chr10	88683083	88683122	BMPR1A_5404	-	GTGACCTATGCACCAGACGTATGAGAAAACATGGGCACAAAAATGGTTGCTGGACAAGATAGATCGGAAGAGCGGTTCAG
chr10	88683301	88683340	BMPR1A_5405	-	GTGACCTATGCACCAGACGTAAGAGATGTTCAGTGAGCAGAGAATATATTTGGTGGCATTAGATCGGAAGAGCGGTTCAG
chr3	48200385	48200424	CDC25A_5406	-	GTGACCTATGCACCAGACGTACCAGCCAGCAGCAGCCCAAGCTTCCCTCCATCCCCCTTTAGATCGGAAGAGCGGTTCAG
chr3	48200784	48200823	CDC25A_5407	-	GTGACCTATGCACCAGACGTGGTTGTGGAGAGCATCTCTCCTCCCCTGCCCCCAGTGGTAAGATCGGAAGAGCGGTTCAG
chr3	48205747	48205786	CDC25A_5408	-	GTGACCTATGCACCAGACGTCACGGAACTGGGTTCTGGGGCACAGGCTCCATGATGCTTTAGATCGGAAGAGCGGTTCAG
chr3	48207076	48207115	CDC25A_5409	-	GTGACCTATGCACCAGACGTCTGAGACTTGCTGTAGAAGGAGCCCTAAACAGGATCTGTGAGATCGGAAGAGCGGTTCAG
chr3	48207271	48207310	CDC25A_5410	-	GTGACCTATGCACCAGACGTCCTTTTGAAACCCACCACACATCGGGTACTTGAATCTAGTAGATCGGAAGAGCGGTTCAG
chr3	48209286	48209325	CDC25A_5411	-	GTGACCTATGCACCAGACGTGCAGAGCTGCTCTGGCAAGTGTAGGAGGGAGTGTGGGTATAGATCGGAAGAGCGGTTCAG
chr3	48218811	48218850	CDC25A_5412	-	GTGACCTATGCACCAGACGTCTAGTGTGTCTGGAGGAAGCCCTGCGTGATTGGGGCACTGAGATCGGAAGAGCGGTTCAG
chr3	48219294	48219333	CDC25A_5413	-	GTGACCTATGCACCAGACGTTGTGTGTGTGTGTTCCTATTTGTTCTACTAATTAATTACCAGATCGGAAGAGCGGTTCAG
chr3	48222161	48222200	CDC25A_5414	-	GTGACCTATGCACCAGACGTTGGCTTTCATAGGGGAATTCCTGACAGGAAGAAAGGATTAAGATCGGAAGAGCGGTTCAG
chr3	48224369	48224408	CDC25A_5415	-	GTGACCTATGCACCAGACGTCTTCAATGTACTAACCTGAGGCAGAGGTGAAACCCACAGGAGATCGGAAGAGCGGTTCAG
chr3	48225240	48225279	CDC25A_5416	-	GTGACCTATGCACCAGACGTTCCTTGTTTATTTTGAGCTAATACCTGTTATCTGTTCCTTAGATCGGAAGAGCGGTTCAG
chr3	48226093	48226132	CDC25A_5417	-	GTGACCTATGCACCAGACGTACTGCTTTCAAATGTTTATATGTAGAAAAAACGTGTCTAAAGATCGGAAGAGCGGTTCAG
chr3	48228143	48228182	CDC25A_5418	-	GTGACCTATGCACCAGACGTCTGCTGTGTGGGGAGCAATACTCTGAATTTCCTGAAACATAGATCGGAAGAGCGGTTCAG
chr3	48229218	48229257	CDC25A_5419	-	GTGACCTATGCACCAGACGTACCGGCGGGCGGTGCTCCGGGCCCCTGGCCTCGGTGTCGGAGATCGGAAGAGCGGTTCAG
chr2	175666385	175666424	CHN1_5420	-	GTGACCTATGCACCAGACGTGACTTTGAGTCTTACACTTGTATTGCATCCAAATTTTAAGAGATCGGAAGAGCGGTTCAG
chr2	175673583	175673622	CHN1_5421	-	GTGACCTATGCACCAGACGTATGCATGTATTTCAAATAACCTGACAACGTCCTCTTGGTAAGATCGGAAGAGCGGTTCAG
chr2	175676189	175676228	CHN1_5422	-	GTGACCTATGCACCAGACGTCACAATGTTCCATAACTTAGGACAATAATACTCTTTTCTAAGATCGGAAGAGCGGTTCAG
chr2	175676987	175677026	CHN1_5423	-	GTGACCTATGCACCAGACGTTGCAGTGCGGGTTGCAGTGGTCTCCGTTCACTACCAGTACAGATCGGAAGAGCGGTTCAG
chr2	175689112	175689151	CHN1_5424	-	GTGACCTATGCACCAGACGTTTGTCTTGTCTCTGGATTGAGTCAGTTGTGAAGTTATAAGAGATCGGAAGAGCGGTTCAG
chr2	175711558	175711597	CHN1_5425	-	GTGACCTATGCACCAGACGTTTGCTTTTAGTCTTTTAAGAAATGCATATTACTTGAAATAAGATCGGAAGAGCGGTTCAG
chr2	175742518	175742557	CHN1_5426	-	GTGACCTATGCACCAGACGTATGAAACCACACTTTATCTTTTTCTGTTTGGGGTTCTTTTAGATCGGAAGAGCGGTTCAG
chr2	175779736	175779775	CHN1_5427	-	GTGACCTATGCACCAGACGTGGCCTGCAATTACTACTGTGCTTTATTTAAAACTCTCTTAAGATCGGAAGAGCGGTTCAG
chr2	175783212	175783251	CHN1_5428	-	GTGACCTATGCACCAGACGTATTATTAGAAAACGTTTTATAGATTGGCATATGTAAGACAAGATCGGAAGAGCGGTTCAG
chr2	175809566	175809605	CHN1_5429	-	GTGACCTATGCACCAGACGTTGAAACTGCTACCAAAAAATGTCTCTCAACCATCTGTTTCAGATCGGAAGAGCGGTTCAG
chr2	175816842	175816881	CHN1_5430	-	GTGACCTATGCACCAGACGTAAATAATTGTGTGGGTTATAGTGCTTTATAAGTAATATAAAGATCGGAAGAGCGGTTCAG
chr2	175869572	175869611	CHN1_5431	-	GTGACCTATGCACCAGACGTCCGTCTCCCCGCGCCGCCGCAGGTGGGCCGCGTCCCGGGGAGATCGGAAGAGCGGTTCAG
chr12	57910542	57910581	DDIT3_5432	-	GTGACCTATGCACCAGACGTGCATCAGTCCCCCACTTGGGCCACACTACCCACCTTTCCCAGATCGGAAGAGCGGTTCAG
chr12	57911002	57911041	DDIT3_5433	-	GTGACCTATGCACCAGACGTTAGCCCTAAAGCTAAAGGGGGATGTTACCTTTCCCTTCTCAGATCGGAAGAGCGGTTCAG
chr3	185867829	185867868	DGKG_5434	-	GTGACCTATGCACCAGACGTAAACACCAGCTAAACCAAGAGAGAAAGCAAGAAACTATAAAGATCGGAAGAGCGGTTCAG
chr3	185879342	185879381	DGKG_5435	-	GTGACCTATGCACCAGACGTCCAATCTTTGAGATGGGGATGAGAAGCCTTATTTTTGAGCAGATCGGAAGAGCGGTTCAG
chr3	185882637	185882676	DGKG_5436	-	GTGACCTATGCACCAGACGTTTGTCACCCAACAGCCTCTGCATCTCCCCGCCTGCGTACAAGATCGGAAGAGCGGTTCAG
chr3	185905941	185905980	DGKG_5437	-	GTGACCTATGCACCAGACGTAATGAGGATAATTGTTTTAGGTCAATGCCCAGTAGTAGGTAGATCGGAAGAGCGGTTCAG
chr3	185929534	185929573	DGKG_5438	-	GTGACCTATGCACCAGACGTAAGTGGGGAGAAGGCTTCCTGGATCTTGGTTCTGCTCCTGAGATCGGAAGAGCGGTTCAG
chr3	185960243	185960282	DGKG_5439	-	GTGACCTATGCACCAGACGTGGCCCGGCTGCGCTGCCACCCACCCAGTGTGGCCCTGGCGAGATCGGAAGAGCGGTTCAG
chr3	185969498	185969537	DGKG_5440	-	GTGACCTATGCACCAGACGTCAAAGATCACCTTTCTGTATGGAAGGGAAACGCCCAGGAAAGATCGGAAGAGCGGTTCAG
chr3	185970832	185970871	DGKG_5441	-	GTGACCTATGCACCAGACGTATGCTAATGGTGGTACCCTGGGAACAGGTGTTCCTGTTTAAGATCGGAAGAGCGGTTCAG
chr3	185975593	185975632	DGKG_5442	-	GTGACCTATGCACCAGACGTGCTGAGAGGGCGTTTGCTGCTTATTTATAGTAAGCGTATTAGATCGGAAGAGCGGTTCAG
chr3	185978178	185978217	DGKG_5443	-	GTGACCTATGCACCAGACGTCACAATCTTTACCTCTTATTTCTCCCCCTCCCTTTTAAACAGATCGGAAGAGCGGTTCAG
chr3	185979438	185979477	DGKG_5444	-	GTGACCTATGCACCAGACGTTTCTGTTTCAAAGTGGAGCAACTAGGGCGACACGACTCAGAGATCGGAAGAGCGGTTCAG
chr3	185982986	185983025	DGKG_5445	-	GTGACCTATGCACCAGACGTAGCTCTAAATCCGATTGCACCTTCTAAGTTGTTCCAGGGCAGATCGGAAGAGCGGTTCAG
chr3	185985424	185985463	DGKG_5446	-	GTGACCTATGCACCAGACGTCTGCCCCGGCGAGGGCTGTAGCTTCTCCGGGTTCTGGTTTAGATCGGAAGAGCGGTTCAG
chr3	185986540	185986579	DGKG_5447	-	GTGACCTATGCACCAGACGTGCCCAGGGCGGCCCTGCTTCTTTTCAACGTTTTTTTGCCCAGATCGGAAGAGCGGTTCAG
chr3	185989994	185990033	DGKG_5448	-	GTGACCTATGCACCAGACGTTCTACTGCCTTGTTCTACTGCATGCCTCATCCAGGAAACAAGATCGGAAGAGCGGTTCAG
chr3	185993286	185993325	DGKG_5449	-	GTGACCTATGCACCAGACGTTTCCTTCAAACCTCTTCCCCCAGGCACTATCTTGCTCTGCAGATCGGAAGAGCGGTTCAG
chr3	185997590	185997629	DGKG_5450	-	GTGACCTATGCACCAGACGTAAGCTGGAGTTCAGAGATCTCTTGCCATTCAGGAACATTGAGATCGGAAGAGCGGTTCAG
chr3	185998409	185998448	DGKG_5451	-	GTGACCTATGCACCAGACGTATAAGGATGGGGTGGCTTTGGAGTGAGCTTCTAAGACGGGAGATCGGAAGAGCGGTTCAG
chr3	186002399	186002438	DGKG_5452	-	GTGACCTATGCACCAGACGTACTCTAAATATCCCTCATGGACCTGAGAAAGGCTGGGGGAAGATCGGAAGAGCGGTTCAG

chr3	186006449	186006488	DGKG_5453	-	GTGACCTATGCACCAGACGTACCCTGTCAAGGGGCTTCAGCTTTTTCCTAGAGAAGGATCAGATCGGAAGAGCGGTTCAG
chr3	186015160	186015199	DGKG_5454	-	GTGACCTATGCACCAGACGTGGAATATAAGACTTGTGGGAAAAGTAGGGAATACCTCATCAGATCGGAAGAGCGGTTCAG
chr3	186015803	186015842	DGKG_5455	-	GTGACCTATGCACCAGACGTCTTTCCCCAAGATGGGAAGACCTTGCGCAGCTCTCATCCCAGATCGGAAGAGCGGTTCAG
chr3	186024640	186024679	DGKG_5456	-	GTGACCTATGCACCAGACGTTTCCATTTTAAGCCTTTAAAAACCCCTGTGTTTTTTAGCCAGATCGGAAGAGCGGTTCAG
chr3	186038132	186038171	DGKG_5457	-	GTGACCTATGCACCAGACGTGCATTGACAGCCCTGGGACGGGATTTCTTCTTGGCTGGAGAGATCGGAAGAGCGGTTCAG
chr8	120569711	120569750	ENPP2_5458	-	GTGACCTATGCACCAGACGTATCTGCAGTACAGTCTTATCAACTGGTTGTATATTTTTATAGATCGGAAGAGCGGTTCAG
chr8	120575047	120575086	ENPP2_5459	-	GTGACCTATGCACCAGACGTAGAGAGAGTCCTTTAGGATTTGCTTCCATAGTTCACCTTCAGATCGGAAGAGCGGTTCAG
chr8	120577013	120577052	ENPP2_5460	-	GTGACCTATGCACCAGACGTCATTTCTACTCAGTGTGTGATTTTTAAGTCCCAAGATCTCAGATCGGAAGAGCGGTTCAG
chr8	120580365	120580404	ENPP2_5461	-	GTGACCTATGCACCAGACGTTATTTACCTAATACACTGTTATTTATGAAAATAAACATTTAGATCGGAAGAGCGGTTCAG
chr8	120581425	120581464	ENPP2_5462	-	GTGACCTATGCACCAGACGTAATATCAAGATCTGATGCCTTCAGAGGGATGTCACATTGTAGATCGGAAGAGCGGTTCAG
chr8	120584366	120584405	ENPP2_5463	-	GTGACCTATGCACCAGACGTAGTTTTGAAGGAAAGTCTGGGTTGTTTTACTGCCCCTAAGAGATCGGAAGAGCGGTTCAG
chr8	120592306	120592345	ENPP2_5464	-	GTGACCTATGCACCAGACGTGTTGCAAAATAATCAGATAAGGTTTTTCTCGTTTTCGAAAAGATCGGAAGAGCGGTTCAG
chr8	120595907	120595946	ENPP2_5465	-	GTGACCTATGCACCAGACGTCATTTAATCAGAACCATTGAAACAATCTTTAGTTAGTATAAGATCGGAAGAGCGGTTCAG
chr8	120596152	120596191	ENPP2_5466	-	GTGACCTATGCACCAGACGTAGAACTGTGAATTGAAATTGTGTTTTAGTGGTTCTTCGAAAGATCGGAAGAGCGGTTCAG
chr8	120598376	120598415	ENPP2_5467	-	GTGACCTATGCACCAGACGTTATGGGCTATTTCTGTTTCTCATTTCCACAACCACCCCTTAGATCGGAAGAGCGGTTCAG
chr8	120599234	120599273	ENPP2_5468	-	GTGACCTATGCACCAGACGTCCAGTTGTCCCGCCTCTGCCCTGCCCAGGCCTCTGCCCCTAGATCGGAAGAGCGGTTCAG
chr8	120605942	120605981	ENPP2_5469	-	GTGACCTATGCACCAGACGTGTTTTTTCTTTGCTAATAGGATAGATGGATAATGTTTCTGAGATCGGAAGAGCGGTTCAG
chr8	120608037	120608076	ENPP2_5470	-	GTGACCTATGCACCAGACGTCTATTGTTCCAAAGCTTTGTGGCGGGCAGGTCTGAGTTGAAGATCGGAAGAGCGGTTCAG
chr8	120612868	120612907	ENPP2_5471	-	GTGACCTATGCACCAGACGTTAGCATCTGCCTGAGAAGAATCTGTGGCCCTGGGCTACCTAGATCGGAAGAGCGGTTCAG
chr8	120613587	120613626	ENPP2_5472	-	GTGACCTATGCACCAGACGTCTCTCTTTCTTCTTTCTTCAGTACATTTCTATCTTAGTTTAGATCGGAAGAGCGGTTCAG
chr8	120620112	120620151	ENPP2_5473	-	GTGACCTATGCACCAGACGTTTTATTTTGTCAATGTTTATAAAATGACAGCTATGATTCAAGATCGGAAGAGCGGTTCAG
chr8	120628455	120628494	ENPP2_5474	-	GTGACCTATGCACCAGACGTCATTTATTGTGTGTCTATGTGTTTGTGTGTTCATGTATTGAGATCGGAAGAGCGGTTCAG
chr8	120629354	120629393	ENPP2_5475	-	GTGACCTATGCACCAGACGTTTTCGAATGATACACATTCAAAGGGCTGATTTCATCCTGGAGATCGGAAGAGCGGTTCAG
chr8	120629656	120629695	ENPP2_5476	-	GTGACCTATGCACCAGACGTTCCATACTCTGTGTTCTTATCTGTAATCTAGGATCTCCACAGATCGGAAGAGCGGTTCAG
chr8	120631434	120631473	ENPP2_5477	-	GTGACCTATGCACCAGACGTTTTATGACTATTTTGAAGTTTTATGTATTAGCTGATAAACAGATCGGAAGAGCGGTTCAG
chr8	120633584	120633623	ENPP2_5478	-	GTGACCTATGCACCAGACGTCTTTGGATTGGCCTGAGCTTTAAAAGAATAAAAACTGGAGAGATCGGAAGAGCGGTTCAG
chr8	120638755	120638794	ENPP2_5479	-	GTGACCTATGCACCAGACGTTATGAGTCCTCTCTACCTTCAAGTAGATGGCTTAAAGACTAGATCGGAAGAGCGGTTCAG
chr8	120650615	120650654	ENPP2_5480	-	GTGACCTATGCACCAGACGTAAACTATTTGCATTTTCAATTTTTTAAAAATATTACATACAGATCGGAAGAGCGGTTCAG
chr8	120650938	120650977	ENPP2_5481	-	GTGACCTATGCACCAGACGTGGAGGAATGACGGGGGACATGCTTGATCTTCAGAATCAGTAGATCGGAAGAGCGGTTCAG
chr1	16451660	16451699	EPHA2_5482	-	GTGACCTATGCACCAGACGTGGCCTGGAGCCCCATCGGCCAAGAATACTTGAAGAAACAGAGATCGGAAGAGCGGTTCAG
chr1	16455879	16455918	EPHA2_5483	-	GTGACCTATGCACCAGACGTCCCCTTTCCGTCCCCCCTCGCCTCCCGCCTCCCACTCCAGAGATCGGAAGAGCGGTTCAG
chr1	16456671	16456710	EPHA2_5484	-	GTGACCTATGCACCAGACGTTGCCCTCTGCCCATGATGACCTCAATTTTCCTTCTGCAGAAGATCGGAAGAGCGGTTCAG
chr1	16458166	16458205	EPHA2_5485	-	GTGACCTATGCACCAGACGTTTGCCCTCCCCAGGCCTGTCCGGACCTGAACTCAAGCCCTAGATCGGAAGAGCGGTTCAG
chr1	16458509	16458548	EPHA2_5486	-	GTGACCTATGCACCAGACGTGAAGGGGACCTCAAGGGAGAAGCGGCCTTCGCCCTGCATGAGATCGGAAGAGCGGTTCAG
chr1	16458823	16458862	EPHA2_5487	-	GTGACCTATGCACCAGACGTGGGTTGTAGGGGGCGGGGATGCCTGGCCATTGAGCCCGGGAGATCGGAAGAGCGGTTCAG
chr1	16459625	16459664	EPHA2_5488	-	GTGACCTATGCACCAGACGTGGGCCTGCCCACACTGGGTGGAGAGGGGCCACTTAGCAGGAGATCGGAAGAGCGGTTCAG
chr1	16459926	16459965	EPHA2_5489	-	GTGACCTATGCACCAGACGTCCCCCTGCCAAGGGGCCCTGAGGAGGCAGCGGTGGTGACAAGATCGGAAGAGCGGTTCAG
chr1	16460305	16460344	EPHA2_5490	-	GTGACCTATGCACCAGACGTGCCCCCGCTCCAGGCCCAGCCCTGCCCGCACCGTCCCCAGAGATCGGAAGAGCGGTTCAG
chr1	16460913	16460952	EPHA2_5491	-	GTGACCTATGCACCAGACGTGCCCATACCCTGGCTCCACATGGGCTTGGGTGGGAAAATGAGATCGGAAGAGCGGTTCAG
chr1	16461481	16461520	EPHA2_5492	-	GTGACCTATGCACCAGACGTGGACCCTGGGCATGGACCAGGCCAGGGCCCAGAACCAAGCAGATCGGAAGAGCGGTTCAG
chr1	16462100	16462139	EPHA2_5493	-	GTGACCTATGCACCAGACGTGAGGGGCGGGGCTGGCTCTAGCTGGGCCGACAGCAGGGGAAGATCGGAAGAGCGGTTCAG
chr1	16464298	16464337	EPHA2_5494	-	GTGACCTATGCACCAGACGTGGGGTGGCAGCTGTGCCCTATGGGGCCTGCCCAGGTGGGGAGATCGGAAGAGCGGTTCAG
chr1	16464720	16464759	EPHA2_5495	-	GTGACCTATGCACCAGACGTCAGTGGGTCAGGGTGGCGTGACTGAGGGTGACGTGTCCGCAGATCGGAAGAGCGGTTCAG
chr1	16474823	16474862	EPHA2_5496	-	GTGACCTATGCACCAGACGTGTTCTGGGTTGCAGGGAAGGGGGTTCTGCATTCCCAGGTTAGATCGGAAGAGCGGTTCAG
chr1	16482293	16482332	EPHA2_5497	-	GTGACCTATGCACCAGACGTGCGGCGTCTGGACCCCTGGCCCCCGGGCCCCAGTGCCCCCAGATCGGAAGAGCGGTTCAG
chr1	16475158	16475197	EPHA2_5498	-	GTGACCTATGCACCAGACGTGAGCGCTCCGTGGGGCCGCTCACCCGCAAAGGCTTCTACCAGATCGGAAGAGCGGTTCAG
chr21	40181909	40181948	ETS2_5499	-	GTGACCTATGCACCAGACGTAAAAAAAAAAAGTCAAAGAGGCAAAAGATTAAGTACACTAAGATCGGAAGAGCGGTTCAG
chr21	40184877	40184916	ETS2_5500	-	GTGACCTATGCACCAGACGTAGATGGAAAAAAAATGGAAATACAATATTTAAACTGATTGAGATCGGAAGAGCGGTTCAG
chr21	40186147	40186186	ETS2_5501	-	GTGACCTATGCACCAGACGTACCCCCCATGGGGACATTAGGACTTCAAGTTGGTGATATCAGATCGGAAGAGCGGTTCAG
chr21	40186655	40186694	ETS2_5502	-	GTGACCTATGCACCAGACGTAGAAGAAAAAATGGAACACATGAGGTAAAAACAGTGGAAAAGATCGGAAGAGCGGTTCAG
chr21	40188882	40188921	ETS2_5503	-	GTGACCTATGCACCAGACGTGACACAGGAGACGTAAGATGGCAGATGTAGGTGAAAACTAAGATCGGAAGAGCGGTTCAG
chr21	40190299	40190338	ETS2_5504	-	GTGACCTATGCACCAGACGTACAATCGGACGGCAGAGCTCTTAAAGTCAGTGTTACCCCAAGATCGGAAGAGCGGTTCAG
chr21	40191377	40191416	ETS2_5505	-	GTGACCTATGCACCAGACGTCAACCAAACACATACTTTGATTCCTCCAGGACACAGTTGGAGATCGGAAGAGCGGTTCAG
chr21	40193460	40193499	ETS2_5506	-	GTGACCTATGCACCAGACGTAGGGAGGGAGACGGATCATACCCTTTCACAGATGTAAAATAGATCGGAAGAGCGGTTCAG
chr21	40194548	40194587	ETS2_5507	-	GTGACCTATGCACCAGACGTCATGGATGGAAAAGAGTTAAACTCAATTTGTCAATGAAGAAGATCGGAAGAGCGGTTCAG
chr3	59737902	59737941	FHIT_5508	-	GTGACCTATGCACCAGACGTGACTGCATTTCGTCATTACCCAGACCCTCCCGTGGGCCTCAGATCGGAAGAGCGGTTCAG
chr3	59908022	59908061	FHIT_5509	-	GTGACCTATGCACCAGACGTTCTCTCTGATCTTATTGTTTGATCACGGGGACTGTCGGTGAGATCGGAAGAGCGGTTCAG
chr3	59997047	59997086	FHIT_5510	-	GTGACCTATGCACCAGACGTATTATGTGCATACAAATTAATAAGAGGCGATTATGAGAACAGATCGGAAGAGCGGTTCAG

chr3	59999683	59999722	FHIT_5511	-	GTGACCTATGCACCAGACGTAGATTTCTCAGAAATGATTTTTCTTCCCTTTCATATCCCGAGATCGGAAGAGCGGTTCAG
chr3	60522543	60522582	FHIT_5512	-	GTGACCTATGCACCAGACGTTTTTTTTTTTTGGAGAGGGAAAATAAAAGTCTTCTGAGCCAGATCGGAAGAGCGGTTCAG
chr15	91418921	91418960	FURIN_5513	-	GTGACCTATGCACCAGACGTGGTGGCTGGGACCCTGGAGCGCCCGTCTCCTTGGCCTGGTAGATCGGAAGAGCGGTTCAG
chr15	91419435	91419474	FURIN_5514	-	GTGACCTATGCACCAGACGTGCAGGGAGACTGAGCTGGGCTTTCCATCTGTCAGTCCCCGAGATCGGAAGAGCGGTTCAG
chr15	91419642	91419681	FURIN_5515	-	GTGACCTATGCACCAGACGTGTGAGGGAGAGATGGTGTGGGTGGAGCAGGAGGCGAGAGGAGATCGGAAGAGCGGTTCAG
chr15	91420076	91420115	FURIN_5516	-	GTGACCTATGCACCAGACGTACCCACCCCATCACTTATGAGACATGATTGGTTTTGTGAGAGATCGGAAGAGCGGTTCAG
chr15	91420315	91420354	FURIN_5517	-	GTGACCTATGCACCAGACGTTTTGGCCACCATCAGGAGAAGGCTGACCTCACTGATAGAAAGATCGGAAGAGCGGTTCAG
chr15	91420707	91420746	FURIN_5518	-	GTGACCTATGCACCAGACGTCAAGCACGTAGCATGAGTAGAACAAATGGGGTGAACAGGGAGATCGGAAGAGCGGTTCAG
chr15	91421312	91421351	FURIN_5519	-	GTGACCTATGCACCAGACGTAGGGGGGGCACGAAGAGGGATGCTGCATGGGTCCAGCTGTAGATCGGAAGAGCGGTTCAG
chr15	91421944	91421983	FURIN_5520	-	GTGACCTATGCACCAGACGTAGTGGGCTGGGGTCATTCAAGATTGGGACTTGAGGGAGGGAGATCGGAAGAGCGGTTCAG
chr15	91422624	91422663	FURIN_5521	-	GTGACCTATGCACCAGACGTGAGAATCATATTGGGGCCTGTGATGGGTGGAGGGGGCTAGAGATCGGAAGAGCGGTTCAG
chr15	91422851	91422890	FURIN_5522	-	GTGACCTATGCACCAGACGTGGAAGGGAGAGGCTGGGGATCAGTCTTTTTTGGGAGCAGCAGATCGGAAGAGCGGTTCAG
chr15	91423047	91423086	FURIN_5523	-	GTGACCTATGCACCAGACGTAGGGAAGGTAGGGTCAGCTGTCAGGCACAGAGTGCCTTCTAGATCGGAAGAGCGGTTCAG
chr15	91423274	91423313	FURIN_5524	-	GTGACCTATGCACCAGACGTGAGCACCATGATGGTCAGCCTGGCCCAGAGGGACCAGCGGAGATCGGAAGAGCGGTTCAG
chr15	91423871	91423910	FURIN_5525	-	GTGACCTATGCACCAGACGTGAGTGCACACAGCCCTGAGGCCTCTGCGGGACCCCAAGCCAGATCGGAAGAGCGGTTCAG
chr15	91424110	91424149	FURIN_5526	-	GTGACCTATGCACCAGACGTGCGGGGAGGAGGCAAGAGTTAAGACAGTGCTGGCACCACAAGATCGGAAGAGCGGTTCAG
chr15	91424466	91424505	FURIN_5527	-	GTGACCTATGCACCAGACGTGGGAGAGAGGGCAAGTGTGTGTCAGCTAAACAGACTGTAGAGATCGGAAGAGCGGTTCAG
chr15	91424762	91424801	FURIN_5528	-	GTGACCTATGCACCAGACGTCGAGGTGGCTGCTGCTGTGGCGGGGACTCTCGGCTGCTCTAGATCGGAAGAGCGGTTCAG
chr22	24376373	24376412	GSTT1_5529	-	GTGACCTATGCACCAGACGTCTCACCCTTGCACCGTCCTCAGCAGTCCACAAAGCATTTTAGATCGGAAGAGCGGTTCAG
chr22	24376772	24376811	GSTT1_5530	-	GTGACCTATGCACCAGACGTTGGGCAGGTGAACCCACTAGGCAGGGGGCCCTGGCTAGTTAGATCGGAAGAGCGGTTCAG
chr22	24379311	24379350	GSTT1_5531	-	GTGACCTATGCACCAGACGTGAATGTGGGGGGCGGCAGCGAGAGCATTCCCCAAAGGTGTAGATCGGAAGAGCGGTTCAG
chr22	24384070	24384109	GSTT1_5532	-	GTGACCTATGCACCAGACGTCCTCGGGTTTGGGGAACCGAAAAGTCAGGAAGGGGACAGGAGATCGGAAGAGCGGTTCAG
chr5	141000985	141001024	HDAC3_5533	-	GTGACCTATGCACCAGACGTGGATGCTGTGTCCCAAGGAATTTCTTTTCACCTCTTGGTTAGATCGGAAGAGCGGTTCAG
chr5	141004725	141004764	HDAC3_5534	-	GTGACCTATGCACCAGACGTAGGGACTTCAGCCTACTTTCAATAGGCTTGCTGGGGAGGTAGATCGGAAGAGCGGTTCAG
chr5	141005202	141005241	HDAC3_5535	-	GTGACCTATGCACCAGACGTCAGAAAAGCTGAGCACAAACTTCTCCTGAAAGGTGGAGCCAGATCGGAAGAGCGGTTCAG
chr5	141005530	141005569	HDAC3_5536	-	GTGACCTATGCACCAGACGTCCCCACAACACCCCCATAACAGGAAGGCCATTCTCACCAGAGATCGGAAGAGCGGTTCAG
chr5	141005711	141005750	HDAC3_5537	-	GTGACCTATGCACCAGACGTTCCTGATTTCCTCCCCTGTTGTCCAGTGTGAGCTAGGGTGAGATCGGAAGAGCGGTTCAG
chr5	141007410	141007449	HDAC3_5538	-	GTGACCTATGCACCAGACGTCTCTCCTTCTTCTCCCCAAGGTTTTTAAGTGGCCTTGGACAGATCGGAAGAGCGGTTCAG
chr5	141007631	141007670	HDAC3_5539	-	GTGACCTATGCACCAGACGTCAGTTCCTCCTCAGGAGTGTTCTGCCTGGGCTTGGGGAAAAGATCGGAAGAGCGGTTCAG
chr5	141008076	141008115	HDAC3_5540	-	GTGACCTATGCACCAGACGTAAGTCTTCCCTCTGTTCCCTAGGCCCCTTCTTTTTCTCCTAGATCGGAAGAGCGGTTCAG
chr5	141009201	141009240	HDAC3_5541	-	GTGACCTATGCACCAGACGTCAGGAGGAGATGGGGGCAGTTACGGGATTCTTGGCTGAGGAGATCGGAAGAGCGGTTCAG
chr5	141009377	141009416	HDAC3_5542	-	GTGACCTATGCACCAGACGTAGGTGATGGGAAAGACAGTGGCCATCCTAGGGTAGGTGTTAGATCGGAAGAGCGGTTCAG
chr5	141009561	141009600	HDAC3_5543	-	GTGACCTATGCACCAGACGTCCCGAGTCCTGTTCTTCCTTTCCTCTGGATCCCTGGACTCAGATCGGAAGAGCGGTTCAG
chr5	141014328	141014367	HDAC3_5544	-	GTGACCTATGCACCAGACGTACTGGGAGTTTTGATGTCTAACAGTTTAATGCCAAGCCCTAGATCGGAAGAGCGGTTCAG
chr5	141016065	141016104	HDAC3_5545	-	GTGACCTATGCACCAGACGTCCGCCTCGGCCGGGGGTTGGGGGGTGGGGCGAGCTGTGGCAGATCGGAAGAGCGGTTCAG
chr5	141016253	141016292	HDAC3_5546	-	GTGACCTATGCACCAGACGTAGGGATATGCATGAGGAGTTGGGACACGGAGGTTTTGAGGAGATCGGAAGAGCGGTTCAG
chr19	10381786	10381825	ICAM1_5547	-	GTGACCTATGCACCAGACGTAGGTTGCAACTCTGAGTAGCAGAGGAGCTCAGCGTCGACTAGATCGGAAGAGCGGTTCAG
chr19	10394107	10394146	ICAM1_5548	-	GTGACCTATGCACCAGACGTACAGAGGTGGGGGTGTCTGGTGAAGTGGACCTTGCTGCCTAGATCGGAAGAGCGGTTCAG
chr19	10394659	10394698	ICAM1_5549	-	GTGACCTATGCACCAGACGTAAGAAAGGTGTGAGCAGACAGGGATGGACGTCCCGAAGCCAGATCGGAAGAGCGGTTCAG
chr19	10395029	10395068	ICAM1_5550	-	GTGACCTATGCACCAGACGTCACACAGTGAGCCCCGCCCCGGGTTCAGGTCACACCCCCAAGATCGGAAGAGCGGTTCAG
chr19	10395409	10395448	ICAM1_5551	-	GTGACCTATGCACCAGACGTACGATGAGATGACATGGAGGTGGGTGGGGGCAGGACTTGGAGATCGGAAGAGCGGTTCAG
chr19	10395741	10395780	ICAM1_5552	-	GTGACCTATGCACCAGACGTGATACAACAGGCGGTGAGGATTGCATTAGGTCCATGGCCCAGATCGGAAGAGCGGTTCAG
chr4	123374815	123374854	IL2_5553	-	GTGACCTATGCACCAGACGTACTTTATTTGCTCTCCTGGAAATAAAAAAAAAAAAGTAGGAGATCGGAAGAGCGGTTCAG
chr4	123377249	123377288	IL2_5554	-	GTGACCTATGCACCAGACGTTATTTTATGTTCAATTTCTGTTTTAATAAAATTCAAAGTAAGATCGGAAGAGCGGTTCAG
chr4	123377399	123377438	IL2_5555	-	GTGACCTATGCACCAGACGTTTCCTTTCTTACTAAAATTATTACATTTAGTAATCTAGCTAGATCGGAAGAGCGGTTCAG
chr10	6054785	6054824	IL2RA_5556	-	GTGACCTATGCACCAGACGTGAACAAGAATTTCTTGGTAAGAAGCCGGGAACAGACAACAAGATCGGAAGAGCGGTTCAG
chr10	6059966	6060005	IL2RA_5557	-	GTGACCTATGCACCAGACGTCATCACCAAGGCAGCCCTTGGTCAGATCAAAGTCCTGTACAGATCGGAAGAGCGGTTCAG
chr10	6061341	6061380	IL2RA_5558	-	GTGACCTATGCACCAGACGTCACTGGCTTTGTGGACAAAATGTACACCAGGCTGAGATATAGATCGGAAGAGCGGTTCAG
chr10	6061783	6061822	IL2RA_5559	-	GTGACCTATGCACCAGACGTAGACAAACGCTGGACCACAGAGGCCTAGTCCAAAAGGGCAAGATCGGAAGAGCGGTTCAG
chr10	6066157	6066196	IL2RA_5560	-	GTGACCTATGCACCAGACGTAATCTGTCCTCCAGCTAACTCCTGCTAGCGCACCCTTCTCAGATCGGAAGAGCGGTTCAG
chr10	6067747	6067786	IL2RA_5561	-	GTGACCTATGCACCAGACGTCTTCTGTGACTACCAAGAACAAAAGAACTGCAGCAAAGAGAGATCGGAAGAGCGGTTCAG
chr10	6104001	6104040	IL2RA_5562	-	GTGACCTATGCACCAGACGTGTGGGTGCCCCCGGAATTCCGGGAAGGCTGATGGGCATCCAGATCGGAAGAGCGGTTCAG
chr17	45351735	45351774	ITGB3_5563	-	GTGACCTATGCACCAGACGTCAGACAAAGGCATTAGCACCAGATTTGGCTCAGTGAAGGTAGATCGGAAGAGCGGTTCAG
chr17	45360670	45360709	ITGB3_5564	-	GTGACCTATGCACCAGACGTGGAGCCCAAAGAGAAGTCCAGCAATCAGAGCTATGGCGACAGATCGGAAGAGCGGTTCAG
chr17	45361759	45361798	ITGB3_5565	-	GTGACCTATGCACCAGACGTGAAAGATGTTAGTTTTTATCTTCTTCTCCCACCAAGATTGAGATCGGAAGAGCGGTTCAG
chr17	45363576	45363615	ITGB3_5566	-	GTGACCTATGCACCAGACGTATGGGAGATAATTTAAGCAGACACCTTCATGGAAAAGGCAAGATCGGAAGAGCGGTTCAG
chr17	45364386	45364425	ITGB3_5567	-	GTGACCTATGCACCAGACGTAAAACAAAAAACAAAGGCAGAGGAGACAAAACAAATTCAGAGATCGGAAGAGCGGTTCAG
chr17	45366997	45367036	ITGB3_5568	-	GTGACCTATGCACCAGACGTGAAGGATGTAGAGGTTAATGACGTCTCATGTACATCTCTAAGATCGGAAGAGCGGTTCAG

chr17	45367501	45367540	ITGB3_5569	-	GTGACCTATGCACCAGACGTAAACAAAGATGTCCAGAGCTTACCAAAGGAAGCTGGTGGTAGATCGGAAGAGCGGTTCAG
chr17	45368270	45368309	ITGB3_5570	-	GTGACCTATGCACCAGACGTAGGGGCACAAGAAGACAAGAAATTGAACTGAAAGGAAACGAGATCGGAAGAGCGGTTCAG
chr17	45369455	45369494	ITGB3_5571	-	GTGACCTATGCACCAGACGTAGAAAGATTGTATTTAGACACAGTTGGGCCCAGTTAACACAGATCGGAAGAGCGGTTCAG
chr17	45376624	45376663	ITGB3_5572	-	GTGACCTATGCACCAGACGTACAGCCCAGGAAGGTGGACCCGCTGGCGAGAGCTCCACTCAGATCGGAAGAGCGGTTCAG
chr17	45377794	45377833	ITGB3_5573	-	GTGACCTATGCACCAGACGTGAGGACACAGTGATTAAGGCAAAGAAGGAGCAAGCCTAAGAGATCGGAAGAGCGGTTCAG
chr17	45380037	45380076	ITGB3_5574	-	GTGACCTATGCACCAGACGTGGAAAATGGAGGAATAAAAAGTGAGACAACTACTGGAAGAAGATCGGAAGAGCGGTTCAG
chr17	45384787	45384826	ITGB3_5575	-	GTGACCTATGCACCAGACGTGAAGCACAGAGCAGGGCGGTTGTGAATGAAGCAGGAGTCAAGATCGGAAGAGCGGTTCAG
chr17	45387455	45387494	ITGB3_5576	-	GTGACCTATGCACCAGACGTAACAGAATAGCATCTTACAGTGACTTCCTTAAGTCCTTCCAGATCGGAAGAGCGGTTCAG
chr19	17940867	17940906	JAK3_5577	-	GTGACCTATGCACCAGACGTCAGGGCTAGCCTCAGTTTCCCAGTCTGTAGATTGGGCCGGAGATCGGAAGAGCGGTTCAG
chr19	17941262	17941301	JAK3_5578	-	GTGACCTATGCACCAGACGTTTCCCAGAGCCCCCAGCCTTCTTCTCCCTCCACGCCCCTCAGATCGGAAGAGCGGTTCAG
chr19	17942433	17942472	JAK3_5579	-	GTGACCTATGCACCAGACGTGCGCCCCGGGACTTGTGGGGATTCAGCTGGCACGGCCTGGAGATCGGAAGAGCGGTTCAG
chr19	17943278	17943317	JAK3_5580	-	GTGACCTATGCACCAGACGTTCCCGGATGAGTGAACCAAGACGTATGGGTGCTTTTCAAAAGATCGGAAGAGCGGTTCAG
chr19	17943549	17943588	JAK3_5581	-	GTGACCTATGCACCAGACGTCAGGGCCAGGGTGGGTTGGAGAGGGCAGGGCAGCATCCAGAGATCGGAAGAGCGGTTCAG
chr19	17945330	17945369	JAK3_5582	-	GTGACCTATGCACCAGACGTGGACGGGTTGGGTGGGGAGGGCTGTGATGTCATATTGGGCAGATCGGAAGAGCGGTTCAG
chr19	17945611	17945650	JAK3_5583	-	GTGACCTATGCACCAGACGTCTCACCCGGCATCGGTCTCCGAACCCCCACTTTGACAGAAAGATCGGAAGAGCGGTTCAG
chr19	17945842	17945881	JAK3_5584	-	GTGACCTATGCACCAGACGTGGAGGTGGAGGAGGGAGGGGCTGAGCAGGGCAAGGAAGTGAGATCGGAAGAGCGGTTCAG
chr19	17946683	17946722	JAK3_5585	-	GTGACCTATGCACCAGACGTCTCTGCCTGCTCCACCCTCCATTCCCAGGGAAGGCTTTCTAGATCGGAAGAGCGGTTCAG
chr19	17947888	17947927	JAK3_5586	-	GTGACCTATGCACCAGACGTCCCACCCACCCACCCCACCCCTGCCTCACCCAAGTCTAGGAGATCGGAAGAGCGGTTCAG
chr19	17948691	17948730	JAK3_5587	-	GTGACCTATGCACCAGACGTTGTGGACCAGACTTTTGGAGTCGGGGCTGGCTGGAGAGGGAGATCGGAAGAGCGGTTCAG
chr19	17949022	17949061	JAK3_5588	-	GTGACCTATGCACCAGACGTCTGGGAAATGAGGCGATACCTCAGTCTGGGGTCCAGAGACAGATCGGAAGAGCGGTTCAG
chr19	17950236	17950275	JAK3_5589	-	GTGACCTATGCACCAGACGTTCCTCCCCTGGAATGAGTGGCTGATCTGGGACCCTGGCTTAGATCGGAAGAGCGGTTCAG
chr19	17952148	17952187	JAK3_5590	-	GTGACCTATGCACCAGACGTGTCCCCCATTCCCGGCCTCTGTGGCCACTCAGGGCCCCTCAGATCGGAAGAGCGGTTCAG
chr19	17952399	17952438	JAK3_5591	-	GTGACCTATGCACCAGACGTGATTCCCCTCCCCTTCAGCCTTACCCCGAGGGCGGGACCGAGATCGGAAGAGCGGTTCAG
chr19	17953075	17953114	JAK3_5592	-	GTGACCTATGCACCAGACGTACTCCCCCGCTGGGCGGGGCCAACGTGGGGGCGGGGCTCGAGATCGGAAGAGCGGTTCAG
chr19	17953786	17953825	JAK3_5593	-	GTGACCTATGCACCAGACGTCCAGGCTGTGGGGACGGCCTCTGCTTGGGAGTGAGCAACGAGATCGGAAGAGCGGTTCAG
chr19	17954139	17954178	JAK3_5594	-	GTGACCTATGCACCAGACGTGCCTGGGGTTTGACCCAGGGGGTTGGGGGTCCAAGGGGCAAGATCGGAAGAGCGGTTCAG
chr19	17954536	17954575	JAK3_5595	-	GTGACCTATGCACCAGACGTCCCCCCAGCCCCCAGGGATTGTACAATTTTATCATCTCCTAGATCGGAAGAGCGGTTCAG
chr19	17954993	17955032	JAK3_5596	-	GTGACCTATGCACCAGACGTCCCTAGTGGATCGGGCCAGAGGGAAGGATGGGGCTGTGTGAGATCGGAAGAGCGGTTCAG
chr5	56111351	56111390	MAP3K1_5597	-	GTGACCTATGCACCAGACGTGGGCTACATTCGCTCGGCCCCTGCGAGGGAGGGAGGGGGCAGATCGGAAGAGCGGTTCAG
chr5	56152377	56152416	MAP3K1_5598	-	GTGACCTATGCACCAGACGTGGCAGAAACAAATAAAATGAGAAATGTATATATGAAAAATAGATCGGAAGAGCGGTTCAG
chr5	56155492	56155531	MAP3K1_5599	-	GTGACCTATGCACCAGACGTGTATTCCAATATTTTGATTACTTAAAAATATAAAAGGTAAAGATCGGAAGAGCGGTTCAG
chr5	56160511	56160550	MAP3K1_5600	-	GTGACCTATGCACCAGACGTTTTTTTTTTATTAGGTACGTTTCTCATTTCTTAATTAAGAAGATCGGAAGAGCGGTTCAG
chr5	56161117	56161156	MAP3K1_5601	-	GTGACCTATGCACCAGACGTAAAAAGAAAACCTATAGGTTAATACATCTGTGGTTCACAAAGATCGGAAGAGCGGTTCAG
chr5	56161606	56161645	MAP3K1_5602	-	GTGACCTATGCACCAGACGTAAAAAGACAGTAACAATGATATTTGTGCCATAATTATACAAGATCGGAAGAGCGGTTCAG
chr5	56167687	56167726	MAP3K1_5603	-	GTGACCTATGCACCAGACGTGGGGAAGAAAAAGTATTAAGCATAAAAGAATATAAAGTAGAGATCGGAAGAGCGGTTCAG
chr5	56168418	56168457	MAP3K1_5604	-	GTGACCTATGCACCAGACGTACAGAAACAAAATCTTACAAAAATGTAAATGTTTAACATTAGATCGGAAGAGCGGTTCAG
chr5	56168602	56168641	MAP3K1_5605	-	GTGACCTATGCACCAGACGTAAATAACAAAACTTGCTTTAAAAAAATTAAGACAAACCACAGATCGGAAGAGCGGTTCAG
chr5	56170809	56170848	MAP3K1_5606	-	GTGACCTATGCACCAGACGTCACACACGATGAATTCAATGTAAAGAAAAGCTTATGGACCAGATCGGAAGAGCGGTTCAG
chr5	56174757	56174796	MAP3K1_5607	-	GTGACCTATGCACCAGACGTAAATCTGAAGGTCAGTTTATGTACACTTAAAAAGCATCAGAGATCGGAAGAGCGGTTCAG
chr5	56176488	56176527	MAP3K1_5608	-	GTGACCTATGCACCAGACGTAGGAAAAGCAACATCAATCCTGGATCTTGGCTAAAACACTAGATCGGAAGAGCGGTTCAG
chr5	56176860	56176899	MAP3K1_5609	-	GTGACCTATGCACCAGACGTGAAAGTAAAAATAAATGATTAAAAAATAGTGATATTAAAAAGATCGGAAGAGCGGTTCAG
chr5	56177347	56177386	MAP3K1_5610	-	GTGACCTATGCACCAGACGTAAAACATTCATTACCATATAAGTTCCAATTACTGAAAAATAGATCGGAAGAGCGGTTCAG
chr5	56179304	56179343	MAP3K1_5611	-	GTGACCTATGCACCAGACGTAACGAAAGCAATCTTTTTACTGTTAAAGGAGTAAGATTTTAGATCGGAAGAGCGGTTCAG
chr5	56180441	56180480	MAP3K1_5612	-	GTGACCTATGCACCAGACGTTAAACACGTTCACAAAGTTTTGCATATTTTCACTAGCAATAGATCGGAAGAGCGGTTCAG
chr5	56181709	56181748	MAP3K1_5613	-	GTGACCTATGCACCAGACGTATAGAAATAATTATCATAAACTTAAGACAGAATTAAAAGTAGATCGGAAGAGCGGTTCAG
chr5	56183155	56183194	MAP3K1_5614	-	GTGACCTATGCACCAGACGTACACAGCAAATGACCTTGTATGTTAAAAACAAAAATAAGGAGATCGGAAGAGCGGTTCAG
chr5	56184003	56184042	MAP3K1_5615	-	GTGACCTATGCACCAGACGTTCAGAGTTAATTTGGAAATAGGACTCATTTGAAAAAGAGAAGATCGGAAGAGCGGTTCAG
chr5	56189308	56189347	MAP3K1_5616	-	GTGACCTATGCACCAGACGTAAAGCCAGTGTTGAAGCTTTGCACAACTGTAACTTCTGATAGATCGGAAGAGCGGTTCAG
chr5	56177779	56177818	MAP3K1_5617	-	GTGACCTATGCACCAGACGTGTCTCTCAGAAATGTCCTCTGAACTGGCACTCAATTTTGTAGATCGGAAGAGCGGTTCAG
chr5	56178211	56178250	MAP3K1_5618	-	GTGACCTATGCACCAGACGTCTCCCTGTTTACTTGTATTACCTGGGGTAGGTCTAGATGGAGATCGGAAGAGCGGTTCAG
chr5	179663334	179663373	MAPK9_5619	-	GTGACCTATGCACCAGACGTATAGCAAACCTGTCAGCATTGAAGGAACTCTCACCTCCGTAGATCGGAAGAGCGGTTCAG
chr5	179663465	179663504	MAPK9_5620	-	GTGACCTATGCACCAGACGTCACTCCTTCTCAGTCTTCATCGATCAATGACATTTCATCCAGATCGGAAGAGCGGTTCAG
chr5	179665282	179665321	MAPK9_5621	-	GTGACCTATGCACCAGACGTGCTTTAATTGATTGTATGATATTTTTCTTTCCCTATTCAAAGATCGGAAGAGCGGTTCAG
chr5	179666874	179666913	MAPK9_5622	-	GTGACCTATGCACCAGACGTAGCTTATTTTGATCCTTCCTTTTGACATTTCTTCCAATCCAGATCGGAAGAGCGGTTCAG
chr5	179667981	179668020	MAPK9_5623	-	GTGACCTATGCACCAGACGTGTTTTGAAAAGATTTATATAGAGAGGCCAGGCTTATATTTAGATCGGAAGAGCGGTTCAG
chr5	179669523	179669562	MAPK9_5624	-	GTGACCTATGCACCAGACGTCTTTTTTTCTTATACTTGTGTTTTGTAATTCAGGTGGTGCAGATCGGAAGAGCGGTTCAG
chr5	179674348	179674387	MAPK9_5625	-	GTGACCTATGCACCAGACGTAGCATGACCACCTGCTTACACGAGCGCTCACGAGGACAAAAGATCGGAAGAGCGGTTCAG
chr5	179674389	179674428	MAPK9_5626	-	GTGACCTATGCACCAGACGTCCGCGACCTTGGCCCCGCCATGCTTTCTTAATGCCTCAGGAGATCGGAAGAGCGGTTCAG

chr5	179674805	179674844	MAPK9_5627	-	GTGACCTATGCACCAGACGTCAGGGGACCCGGTACTTGGCCATGGAGGCTGGGGTGGGCGAGATCGGAAGAGCGGTTCAG
chr5	179675923	179675962	MAPK9_5628	-	GTGACCTATGCACCAGACGTCCGGGGCTGGAAGAGGCTGGGATGTTTAGAAATTGCTCTAAGATCGGAAGAGCGGTTCAG
chr5	179691731	179691770	MAPK9_5629	-	GTGACCTATGCACCAGACGTTTTTTATTCAGTAATGCACTGTACATCAAAGAATGAACATAGATCGGAAGAGCGGTTCAG
chr5	179696230	179696269	MAPK9_5630	-	GTGACCTATGCACCAGACGTTATGTATTTTGTCTGTGTGCTTCCATATTGTCAATAATGTAGATCGGAAGAGCGGTTCAG
chr5	179707390	179707429	MAPK9_5631	-	GTGACCTATGCACCAGACGTTCTGTTTTAATAGCGTGGATTGAGTTTTTGCTGTAATAAAAGATCGGAAGAGCGGTTCAG
chr2	16082137	16082176	MYCN_5632	-	GTGACCTATGCACCAGACGTCCCGGCCGGCGACTGAGGGCTTCTTTCCGCCCCGTTCGTTAGATCGGAAGAGCGGTTCAG
chr2	16085565	16085604	MYCN_5633	-	GTGACCTATGCACCAGACGTGATGCTAGTTACTCTCATGTGAGAACCATTTGAATGAAATAGATCGGAAGAGCGGTTCAG
chr2	16082532	16082571	MYCN_5634	-	GTGACCTATGCACCAGACGTCGCGCTCCAGCTTCTCGCGGGCGGAGAAGCCGCTCCACATAGATCGGAAGAGCGGTTCAG
chr2	16085867	16085906	MYCN_5635	-	GTGACCTATGCACCAGACGTCTCTTGAGCGGACGTGGGGACGCCTCGCTCTTTATCTTCTAGATCGGAAGAGCGGTTCAG
chr9	134001042	134001081	NUP214_5636	-	GTGACCTATGCACCAGACGTTCAGTGTGTCGAAGCAGCCAACGCTGCCTCCCACGGCCTTAGATCGGAAGAGCGGTTCAG
chr9	134002861	134002900	NUP214_5637	-	GTGACCTATGCACCAGACGTGAATCAAAACGAGATCAATTCAATAAAGAAAGAAATTAAAAGATCGGAAGAGCGGTTCAG
chr9	134003669	134003708	NUP214_5638	-	GTGACCTATGCACCAGACGTAAAAAAATACAAAGCAGAAAACGGTATGTTCTAAGCATAAAGATCGGAAGAGCGGTTCAG
chr9	134004616	134004655	NUP214_5639	-	GTGACCTATGCACCAGACGTAAATATGCAAAAGTGAAATAAGTTAACAAATAGTAAATGCAGATCGGAAGAGCGGTTCAG
chr9	134006103	134006142	NUP214_5640	-	GTGACCTATGCACCAGACGTACAGTATTACCAAATGAAAACAAGAAAATGGAGCAAACCAAGATCGGAAGAGCGGTTCAG
chr9	134007933	134007972	NUP214_5641	-	GTGACCTATGCACCAGACGTTTTGGAGGGGAAAATAAAGTATCAAATGAAACAAATCCTAAGATCGGAAGAGCGGTTCAG
chr9	134008443	134008482	NUP214_5642	-	GTGACCTATGCACCAGACGTCATCTTAATCAGTAGCTCATAAAAATGACAGCAACCAGATAGATCGGAAGAGCGGTTCAG
chr9	134010235	134010274	NUP214_5643	-	GTGACCTATGCACCAGACGTCAAAGCAAGAAAAAAAATTCTCATGTGCAATTTTTCTCAGAGATCGGAAGAGCGGTTCAG
chr9	134011277	134011316	NUP214_5644	-	GTGACCTATGCACCAGACGTAAAACCAGAGACCATTACGTTCAAATACAGCAATAGTTCTAGATCGGAAGAGCGGTTCAG
chr9	134015886	134015925	NUP214_5645	-	GTGACCTATGCACCAGACGTAGAAAACAAAAATAAAAAAACCAAGTGAATTTAAGGGCCTAGATCGGAAGAGCGGTTCAG
chr9	134019617	134019656	NUP214_5646	-	GTGACCTATGCACCAGACGTAAAAAAAGGAAGGAAAATGTTAACACTGTAACAGTGGAGGAGATCGGAAGAGCGGTTCAG
chr9	134021466	134021505	NUP214_5647	-	GTGACCTATGCACCAGACGTGCAGCCTGAAGGCCTCAGAAGAGCCTGCTAGAAGATTCTTAGATCGGAAGAGCGGTTCAG
chr9	134022827	134022866	NUP214_5648	-	GTGACCTATGCACCAGACGTAAGAAGTCAGTTAAAATAGATGGCATTTATTACCTTTATTAGATCGGAAGAGCGGTTCAG
chr9	134025661	134025700	NUP214_5649	-	GTGACCTATGCACCAGACGTAGGAAAAGGTTTAAAAACTGCAAGTCATAGCTTCTACAAGAGATCGGAAGAGCGGTTCAG
chr9	134025953	134025992	NUP214_5650	-	GTGACCTATGCACCAGACGTCACAAGTGAGGAACTACTCAGTCTGAAGGACAAACAGTAAAGATCGGAAGAGCGGTTCAG
chr9	134027073	134027112	NUP214_5651	-	GTGACCTATGCACCAGACGTTACAATAATGTGTTGGTACAAAAAGTTGTTACGTCCAAATAGATCGGAAGAGCGGTTCAG
chr9	134034720	134034759	NUP214_5652	-	GTGACCTATGCACCAGACGTAAAATTAAAAGGCAAATAACTTGTTTTTCTGATAGTTTGGAGATCGGAAGAGCGGTTCAG
chr9	134038328	134038367	NUP214_5653	-	GTGACCTATGCACCAGACGTCAATGAGAAAAGAATTAAACATGAATGGTTCAAGTAAAGGAGATCGGAAGAGCGGTTCAG
chr9	134039207	134039246	NUP214_5654	-	GTGACCTATGCACCAGACGTACAGTGTTAGATACAGACCAACTAGGAGCTGAAAGATCGGAGATCGGAAGAGCGGTTCAG
chr9	134039398	134039437	NUP214_5655	-	GTGACCTATGCACCAGACGTTCCATAAACCCATAAATGATTAAGACTCAGTTTTTAAGATAGATCGGAAGAGCGGTTCAG
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chr9	134050797	134050836	NUP214_5657	-	GTGACCTATGCACCAGACGTAAGAAAAATTAAGTGTGAGTGGGTGAGAGAACAGGAAAATAGATCGGAAGAGCGGTTCAG
chr9	134053648	134053687	NUP214_5658	-	GTGACCTATGCACCAGACGTCAGAGAAGAGAGAACACCATATTAATTCCAGCAAAGGATAAGATCGGAAGAGCGGTTCAG
chr9	134062626	134062665	NUP214_5659	-	GTGACCTATGCACCAGACGTCACAAAGCATACACTCAGAGAAAGGCATGACTAGGTAAAAAGATCGGAAGAGCGGTTCAG
chr9	134064390	134064429	NUP214_5660	-	GTGACCTATGCACCAGACGTATGCAAGCAAAATGTTTATGTTAAACCACTAACCATTCTTAGATCGGAAGAGCGGTTCAG
chr9	134070570	134070609	NUP214_5661	-	GTGACCTATGCACCAGACGTGAAAAAGAGAAATTAAAAAGGAACAAACCAAGGCACAATAAGATCGGAAGAGCGGTTCAG
chr9	134072553	134072592	NUP214_5662	-	GTGACCTATGCACCAGACGTAAAGAAATCAGAAAATGGGTTGGATTTAGCAAAAGATGACAGATCGGAAGAGCGGTTCAG
chr9	134076984	134077023	NUP214_5663	-	GTGACCTATGCACCAGACGTCAAAGAAAACAAAAATTCAATTTGGATTGGATGAGTCTTTAGATCGGAAGAGCGGTTCAG
chr9	134090549	134090588	NUP214_5664	-	GTGACCTATGCACCAGACGTAAAGGGTCAGGAAGCAAGATAGGATGAGAGGTCATCGTGAAGATCGGAAGAGCGGTTCAG
chr9	134098115	134098154	NUP214_5665	-	GTGACCTATGCACCAGACGTGAAGATGTGAGGGAGGTCAGAGGGAGACAAATGTCCTTACAGATCGGAAGAGCGGTTCAG
chr9	134103497	134103536	NUP214_5666	-	GTGACCTATGCACCAGACGTCAGAGGCAAACAAACAGAAATAGGGAGAAAGAAAGGAGGAAGATCGGAAGAGCGGTTCAG
chr9	134105967	134106006	NUP214_5667	-	GTGACCTATGCACCAGACGTGTGAGAAACAGACTGAGGTCAGTGGGGCCTCTCACCACTTAGATCGGAAGAGCGGTTCAG
chr9	134107621	134107660	NUP214_5668	-	GTGACCTATGCACCAGACGTGAATAAGAGTGAAGTTAAAGCACGCATCCACTCGAAAGACAGATCGGAAGAGCGGTTCAG
chr9	134108791	134108830	NUP214_5669	-	GTGACCTATGCACCAGACGTGCACAGGACAGTGGTGGAGTCAGCTGCTCTGTCACAGAGCAGATCGGAAGAGCGGTTCAG
chr9	134073003	134073042	NUP214_5670	-	GTGACCTATGCACCAGACGTAGGGGGCTCCGTGTGCTTCCCTAACACCGGGGGGGCAGTAAGATCGGAAGAGCGGTTCAG
chr9	134073453	134073492	NUP214_5671	-	GTGACCTATGCACCAGACGTAACAGAGTCAGAAGTTTGCGGAGGAGCCTGGGGAAGCTGGAGATCGGAAGAGCGGTTCAG
chr9	134073903	134073942	NUP214_5672	-	GTGACCTATGCACCAGACGTCCCAAACAGACTTGGTGCGGTGCTGGCTGCCACTTGCCCAAGATCGGAAGAGCGGTTCAG
chr11	100909797	100909836	PGR_5673	-	GTGACCTATGCACCAGACGTTTTCTTTTAAAGAATTAAATTTTGTGGTATGTCTTTTTGTAGATCGGAAGAGCGGTTCAG
chr11	100912626	100912665	PGR_5674	-	GTGACCTATGCACCAGACGTGGTTGATTCCAGAATATCAATGATTATTCTCTGAATTTCTAGATCGGAAGAGCGGTTCAG
chr11	100920610	100920649	PGR_5675	-	GTGACCTATGCACCAGACGTTCAAGTAACTTAATGCAAGATATCTAGTTTCTTAATTCATAGATCGGAAGAGCGGTTCAG
chr11	100922105	100922144	PGR_5676	-	GTGACCTATGCACCAGACGTACTTTTGTTGTTTTTGTTATTTTAAGTGTACATGTAGGATAGATCGGAAGAGCGGTTCAG
chr11	100933128	100933167	PGR_5677	-	GTGACCTATGCACCAGACGTTTTTTATATACAGCATGTAATAAAAAATATACTATGTTTGAGATCGGAAGAGCGGTTCAG
chr11	100962441	100962480	PGR_5678	-	GTGACCTATGCACCAGACGTTGTTTTCATCAATAATATACTGTGTAATCTTTATACTATAAGATCGGAAGAGCGGTTCAG
chr11	100996688	100996727	PGR_5679	-	GTGACCTATGCACCAGACGTTTCCCCTGATCCTTTATTATTGGTTTAATTGTAAATGGAGAGATCGGAAGAGCGGTTCAG
chr11	100998115	100998154	PGR_5680	-	GTGACCTATGCACCAGACGTGGGACGGGGCACGCCCAGCGCGTCCGGGAGTAGCGGTTCCAGATCGGAAGAGCGGTTCAG
chr11	100998524	100998563	PGR_5681	-	GTGACCTATGCACCAGACGTCTTCCCGGATTTCCCGTTGGGGCCACCGCCCCCGCTGCCGAGATCGGAAGAGCGGTTCAG
chr11	100998933	100998972	PGR_5682	-	GTGACCTATGCACCAGACGTCGCCCAGGGTCGCCCTGGTGGAGCAGGACGCGCCGATGGCAGATCGGAAGAGCGGTTCAG
chr11	100999342	100999381	PGR_5683	-	GTGACCTATGCACCAGACGTTGCCTGTTTGGCCCCGAACTTCCCGAAGATCCACCGGCTGAGATCGGAAGAGCGGTTCAG
chr22	46594231	46594270	PPARA_5684	-	GTGACCTATGCACCAGACGTTGGTGCTGGTTGTGCCGCCGAGCTCCAAGCTACTGGGAGGAGATCGGAAGAGCGGTTCAG

chr22	46611020	46611059	PPARA_5685	-	GTGACCTATGCACCAGACGTAGAGGAGAGACGGATGAATAGTCCAGGCATCACTATCCTGAGATCGGAAGAGCGGTTCAG
chr22	46614110	46614149	PPARA_5686	-	GTGACCTATGCACCAGACGTAATACACAGTGGATTTAAAGACCTGGGCCACTGAGAAACCAGATCGGAAGAGCGGTTCAG
chr22	46615659	46615698	PPARA_5687	-	GTGACCTATGCACCAGACGTGAGGGGGAAACACAGGCATGAGCAGTGAGGTCATGACTGCAGATCGGAAGAGCGGTTCAG
chr22	46627639	46627678	PPARA_5688	-	GTGACCTATGCACCAGACGTGGACACCAAGGTAAGTCAGGTGATGTGGGATGCGCTATGCAGATCGGAAGAGCGGTTCAG
chr22	46630980	46631019	PPARA_5689	-	GTGACCTATGCACCAGACGTAAGAAGAGAGAGAGGTTTGAGTGTGATAATCACCCAAGAAAGATCGGAAGAGCGGTTCAG
chr19	54385699	54385738	PRKCG_5690	-	GTGACCTATGCACCAGACGTACGTAGCAGGGACCAGGATCCTGCCTTTCTTGGGGGAAACAGATCGGAAGAGCGGTTCAG
chr19	54386367	54386406	PRKCG_5691	-	GTGACCTATGCACCAGACGTCAGGGATCCTAGGTCAGTGCAGAAAGGGGTACCTGGACCCAGATCGGAAGAGCGGTTCAG
chr19	54387365	54387404	PRKCG_5692	-	GTGACCTATGCACCAGACGTAAATCATAGAGACACAGACGGAGGCATGGATTAGTCCAGCAGATCGGAAGAGCGGTTCAG
chr19	54392842	54392881	PRKCG_5693	-	GTGACCTATGCACCAGACGTAGAAGACTGGCTTAGGGGGCGTTGGGAGGGTCCTAAAACCAGATCGGAAGAGCGGTTCAG
chr19	54393090	54393129	PRKCG_5694	-	GTGACCTATGCACCAGACGTAAGCTGCGGGTAGCACCTCAGGCCCCGCCCCCAAGCCAAGAGATCGGAAGAGCGGTTCAG
chr19	54394878	54394917	PRKCG_5695	-	GTGACCTATGCACCAGACGTAGTGAGGAAGAGTGTGACGGGTTAGAGATCCAGGAAGGGGAGATCGGAAGAGCGGTTCAG
chr19	54395713	54395752	PRKCG_5696	-	GTGACCTATGCACCAGACGTGTGGGGTGGATGGGGTGCAGAGCCGAGCTCATGGCTCCCCAGATCGGAAGAGCGGTTCAG
chr19	54396192	54396231	PRKCG_5697	-	GTGACCTATGCACCAGACGTGACGGAGACCAGAGGCGGGCAGCGGGGATGGGGCACCCATAGATCGGAAGAGCGGTTCAG
chr19	54396566	54396605	PRKCG_5698	-	GTGACCTATGCACCAGACGTAGAAAGAGAGAGTCAGGGTCCCAAGAGATGCAGGGGATCGAGATCGGAAGAGCGGTTCAG
chr19	54401163	54401202	PRKCG_5699	-	GTGACCTATGCACCAGACGTGAGAAAGAAAGAGCCAGAGGCAGTTAGACCTTACACAGCGAGATCGGAAGAGCGGTTCAG
chr19	54401644	54401683	PRKCG_5700	-	GTGACCTATGCACCAGACGTAGTTCCAAAAGGGCCAGTCCATGTTGGGAACCCAGTGGTAAGATCGGAAGAGCGGTTCAG
chr19	54403437	54403476	PRKCG_5701	-	GTGACCTATGCACCAGACGTGTGCATGGGCTTAGAGGCGGGATCCATCTACCCAGAGTAGAGATCGGAAGAGCGGTTCAG
chr19	54403623	54403662	PRKCG_5702	-	GTGACCTATGCACCAGACGTGGGTGGGTGGGGACGTCAGAAGGTCAGTGGCTGGATCCTGAGATCGGAAGAGCGGTTCAG
chr19	54403815	54403854	PRKCG_5703	-	GTGACCTATGCACCAGACGTCAGGGGTGTGGGGCAGGAATTGCAAGAAGTGTTGAGTTCAAGATCGGAAGAGCGGTTCAG
chr19	54406277	54406316	PRKCG_5704	-	GTGACCTATGCACCAGACGTTGGAAGGCAGGGAATCATGATGCGTTCTTTAGGAAGCCTAAGATCGGAAGAGCGGTTCAG
chr19	54407839	54407878	PRKCG_5705	-	GTGACCTATGCACCAGACGTGGAGGGGATAGAGAGTCAGGGACATGCCCAACTGCCTTTCAGATCGGAAGAGCGGTTCAG
chr19	54409911	54409950	PRKCG_5706	-	GTGACCTATGCACCAGACGTCGTGGGGGAGGGAAAGTTAAGCAGCTCCGAGGGCTCCTCGAGATCGGAAGAGCGGTTCAG
chr1	198608355	198608394	PTPRC_5707	-	GTGACCTATGCACCAGACGTGGAAGTCAGCCGTGTCCCTAAGAAACAGCATGCGTCCTTCAGATCGGAAGAGCGGTTCAG
chr1	198661426	198661465	PTPRC_5708	-	GTGACCTATGCACCAGACGTGAAACAAAAATCTCTTAGAAAATTTCAAATTTCATTCATAAGATCGGAAGAGCGGTTCAG
chr1	198665791	198665830	PTPRC_5709	-	GTGACCTATGCACCAGACGTATGGAAAATGGGAGAAGGACAAAATAAATATGTGAATCATAGATCGGAAGAGCGGTTCAG
chr1	198668643	198668682	PTPRC_5710	-	GTGACCTATGCACCAGACGTAAAGTGAGATCATTACATCAGTCTTCCCCCACTGGAGATGAGATCGGAAGAGCGGTTCAG
chr1	198671466	198671505	PTPRC_5711	-	GTGACCTATGCACCAGACGTAAGGGCCATCAGCACTGTCACTTGTGTCTGTCACGCAAGGAGATCGGAAGAGCGGTTCAG
chr1	198672377	198672416	PTPRC_5712	-	GTGACCTATGCACCAGACGTATGAATAGAAGAATAAAAGCTAATTAATTCGTTATATTAAAGATCGGAAGAGCGGTTCAG
chr1	198673551	198673590	PTPRC_5713	-	GTGACCTATGCACCAGACGTGAAAAAAAATGTAAATTATTAAAATTTTGCTTTAGAATATAGATCGGAAGAGCGGTTCAG
chr1	198675813	198675852	PTPRC_5714	-	GTGACCTATGCACCAGACGTATAGAACATTGAGTGTTATTTTTCCAGAATAAATAAAACTAGATCGGAAGAGCGGTTCAG
chr1	198677212	198677251	PTPRC_5715	-	GTGACCTATGCACCAGACGTGATACAGAAATAAACTTGATTAGTATTTCATAATGTGTATAGATCGGAAGAGCGGTTCAG
chr1	198678766	198678805	PTPRC_5716	-	GTGACCTATGCACCAGACGTGAAATATTTCGAATGAATATATCGATGCAATATTTCACGCAGATCGGAAGAGCGGTTCAG
chr1	198682032	198682071	PTPRC_5717	-	GTGACCTATGCACCAGACGTAATAAGAATGTTATGTAATATGAAAAATAAGACATGGATAAGATCGGAAGAGCGGTTCAG
chr1	198685761	198685800	PTPRC_5718	-	GTGACCTATGCACCAGACGTATGTGAAAAAAAATTAGTAAGTCGTTAAAAGTCAGTACTAAGATCGGAAGAGCGGTTCAG
chr1	198687173	198687212	PTPRC_5719	-	GTGACCTATGCACCAGACGTGAAGAAAGATTTGTTATTAATAATTTAATAGATGCATATGAGATCGGAAGAGCGGTTCAG
chr1	198697419	198697458	PTPRC_5720	-	GTGACCTATGCACCAGACGTAAAATAATACATTCAGAGAACGATTGTCAAATAACTTGCTAGATCGGAAGAGCGGTTCAG
chr1	198698216	198698255	PTPRC_5721	-	GTGACCTATGCACCAGACGTAGGAAAAATAAGTTTCTATATTCTCAAGAAGCACAAAATTAGATCGGAAGAGCGGTTCAG
chr1	198700696	198700735	PTPRC_5722	-	GTGACCTATGCACCAGACGTATTAAAGATTCAATACTAGTTACATGTGTCTTTCAGGTGGAGATCGGAAGAGCGGTTCAG
chr1	198701379	198701418	PTPRC_5723	-	GTGACCTATGCACCAGACGTCAACGATTTCTTGGATCACAGCAGATTCAGGAAAAATAATAGATCGGAAGAGCGGTTCAG
chr1	198701559	198701598	PTPRC_5724	-	GTGACCTATGCACCAGACGTAAAAGAAAAATAAACAAGTGAAATAGTGAATAATCAAGTAAGATCGGAAGAGCGGTTCAG
chr1	198703275	198703314	PTPRC_5725	-	GTGACCTATGCACCAGACGTCACATGCAGAGATATGTCATTTGCTGAACATTCAATTACTAGATCGGAAGAGCGGTTCAG
chr1	198703407	198703446	PTPRC_5726	-	GTGACCTATGCACCAGACGTAACAAATAAAAGCTGATAAGAAAAATTTTCTTAAAAGTGCAGATCGGAAGAGCGGTTCAG
chr1	198710948	198710987	PTPRC_5727	-	GTGACCTATGCACCAGACGTGATAATATTTTCTTTGAGATGATTTTTTTAAAGCAAACTAAGATCGGAAGAGCGGTTCAG
chr1	198711311	198711350	PTPRC_5728	-	GTGACCTATGCACCAGACGTAAGCAAAAAAAAGCAGAGGCATGATCATGGAAAAGCTGTCAGATCGGAAGAGCGGTTCAG
chr1	198713133	198713172	PTPRC_5729	-	GTGACCTATGCACCAGACGTAAGAACAAATACAGATAGTTAACTGATAATCTAGAGTCCTAGATCGGAAGAGCGGTTCAG
chr1	198717188	198717227	PTPRC_5730	-	GTGACCTATGCACCAGACGTAAAAAAAAACAGAAAAACTCCTTTAAAATGTAAATATTGGAGATCGGAAGAGCGGTTCAG
chr1	198718495	198718534	PTPRC_5731	-	GTGACCTATGCACCAGACGTTAAATCAGTAGTAAGTCTTCCTTGAAAAAATTAAATTTCTAGATCGGAAGAGCGGTTCAG
chr1	198719571	198719610	PTPRC_5732	-	GTGACCTATGCACCAGACGTAAAAAAAGGGTGGGACTTCGTTACTACAGAAGAGAGCTCAAGATCGGAAGAGCGGTTCAG
chr1	198721328	198721367	PTPRC_5733	-	GTGACCTATGCACCAGACGTGAAGACAATTCAACAATTTGTTTCCTATTTGAAATATGCAAGATCGGAAGAGCGGTTCAG
chr1	198721673	198721712	PTPRC_5734	-	GTGACCTATGCACCAGACGTAATTGAAGAGAGCATTAACTGGAGTGAAGTTCAGCTTATTAGATCGGAAGAGCGGTTCAG
chr1	198723348	198723387	PTPRC_5735	-	GTGACCTATGCACCAGACGTAAGAAAAGATAGAAAATAATCCTACTTCTCACCAAAAAGGAGATCGGAAGAGCGGTTCAG
chr1	198724985	198725024	PTPRC_5736	-	GTGACCTATGCACCAGACGTAATTAAGTGGGAAATTACATGAAGAAAGTTGATGTCATTAAGATCGGAAGAGCGGTTCAG
chr1	44010697	44010736	PTPRF_5737	-	GTGACCTATGCACCAGACGTAGCTCCACAGCCAGCCACAGCCCAGGACAATCAACCTGTAAGATCGGAAGAGCGGTTCAG
chr1	44019113	44019152	PTPRF_5738	-	GTGACCTATGCACCAGACGTTGGAGACACCAAGTCACCACAGCACAGTCACTATAGGAATAGATCGGAAGAGCGGTTCAG
chr1	44019421	44019460	PTPRF_5739	-	GTGACCTATGCACCAGACGTACAGACATGGGGTCACAGCCTACTCAGGACACAGGAGCCTAGATCGGAAGAGCGGTTCAG
chr1	44035211	44035250	PTPRF_5740	-	GTGACCTATGCACCAGACGTACAGCAATGTGTGTATTAGGGCTGGCTCTGCCTGCCCCCTAGATCGGAAGAGCGGTTCAG
chr1	44044431	44044470	PTPRF_5741	-	GTGACCTATGCACCAGACGTACGAAGCGAGAGGTCAGGCACGGCCCATGTCGAGTGTGGCAGATCGGAAGAGCGGTTCAG
chr1	44054352	44054391	PTPRF_5742	-	GTGACCTATGCACCAGACGTAGGGAGAGAGGCACTCACAGGCCGGGCAGGACACACGACTAGATCGGAAGAGCGGTTCAG

chr1	44056593	44056632	PTPRF_5743	-	GTGACCTATGCACCAGACGTAGTGGAAGGCTCAAAGCTGCCCGAGGTCAAGATCCTTAGGAGATCGGAAGAGCGGTTCAG
chr1	44057433	44057472	PTPRF_5744	-	GTGACCTATGCACCAGACGTCCACACCAGGCAGGTCAGCCTCATCTGCGTGAGGTCAGGGAGATCGGAAGAGCGGTTCAG
chr1	44058078	44058117	PTPRF_5745	-	GTGACCTATGCACCAGACGTCAGGGAGCACTCACTGACAGCTCTGAGCTCAAAGTCACTCAGATCGGAAGAGCGGTTCAG
chr1	44063369	44063408	PTPRF_5746	-	GTGACCTATGCACCAGACGTCAAATGGGGGGGAAGCAAGCAGATGGAGGGTGGGGATCACAGATCGGAAGAGCGGTTCAG
chr1	44064341	44064380	PTPRF_5747	-	GTGACCTATGCACCAGACGTAGGTAGAGAAGGAAGTCAGGCCTGGAGGTATCAACCCTAGAGATCGGAAGAGCGGTTCAG
chr1	44067692	44067731	PTPRF_5748	-	GTGACCTATGCACCAGACGTGAGAGGGAGAGAAAGGGAGACAGGATGGTGAAGGACTCTGAGATCGGAAGAGCGGTTCAG
chr1	44069037	44069076	PTPRF_5749	-	GTGACCTATGCACCAGACGTAGGAGGGGTTCGTTCCCATCACAAGAATGCAGGGAGAGGCAGATCGGAAGAGCGGTTCAG
chr1	44069232	44069271	PTPRF_5750	-	GTGACCTATGCACCAGACGTACGGGCTGGGCTCTGGCGCTGCCCTCCTGCTGCCCCACCCAGATCGGAAGAGCGGTTCAG
chr1	44070524	44070563	PTPRF_5751	-	GTGACCTATGCACCAGACGTATAGAGAGAGTCAGCTCTGCTGGGTATATGAGGTGGGGTGAGATCGGAAGAGCGGTTCAG
chr1	44070811	44070850	PTPRF_5752	-	GTGACCTATGCACCAGACGTCGGGAGGGGCAATCAATGCCTTTGGGTGAGGTTCCCTACCAGATCGGAAGAGCGGTTCAG
chr1	44071150	44071189	PTPRF_5753	-	GTGACCTATGCACCAGACGTAGGGCAGGAATCAGGACTGTCACTGCTGGTTACCTCCAGCAGATCGGAAGAGCGGTTCAG
chr1	44071861	44071900	PTPRF_5754	-	GTGACCTATGCACCAGACGTAGAGCATGGGGGTCATGAGGGGCCTTGGAGCATGCCGGCCAGATCGGAAGAGCGGTTCAG
chr1	44072435	44072474	PTPRF_5755	-	GTGACCTATGCACCAGACGTGTGGAGAACAGCAGGCTGTGAGCTCAGCGTGAGAACCCCCAGATCGGAAGAGCGGTTCAG
chr1	44075004	44075043	PTPRF_5756	-	GTGACCTATGCACCAGACGTAGAAGGGAGGCTGGTGAGAACCTGAGGTCCAGGCTGAGACAGATCGGAAGAGCGGTTCAG
chr1	44079239	44079278	PTPRF_5757	-	GTGACCTATGCACCAGACGTTAGGGCATACACAGGCAGCATTAGTGTGAGGCTTGAGCAGAGATCGGAAGAGCGGTTCAG
chr1	44083066	44083105	PTPRF_5758	-	GTGACCTATGCACCAGACGTTGGAGAAAGCGGGTGGGGTGGGGTAAGAGCCAAGGTTGACAGATCGGAAGAGCGGTTCAG
chr1	44083357	44083396	PTPRF_5759	-	GTGACCTATGCACCAGACGTGAAAGGAGGTGGGAGGGCATTACTACAGGGTCCCCAGCCCAGATCGGAAGAGCGGTTCAG
chr1	44084251	44084290	PTPRF_5760	-	GTGACCTATGCACCAGACGTATGAGCAGGGCAGGCTGAAGGAAGCCCACAGGCTCAGACGAGATCGGAAGAGCGGTTCAG
chr1	44084669	44084708	PTPRF_5761	-	GTGACCTATGCACCAGACGTAAGTGGGGACATACTGGCGACTAGGAGCCTACCTGCCATAAGATCGGAAGAGCGGTTCAG
chr1	44084909	44084948	PTPRF_5762	-	GTGACCTATGCACCAGACGTCGGGCTCAGCTTGAGGCACAGGCGCCCCCACCTCCCACCCAGATCGGAAGAGCGGTTCAG
chr1	44085301	44085340	PTPRF_5763	-	GTGACCTATGCACCAGACGTGCAGGGATTGGTCAGGCCAGGCTTCCTGTGGGGGTGGGGGAGATCGGAAGAGCGGTTCAG
chr1	44085716	44085755	PTPRF_5764	-	GTGACCTATGCACCAGACGTCATAAGACTGGACATGCTGGAGGTGCTGCTGCCCCTAGAGAGATCGGAAGAGCGGTTCAG
chr1	44086075	44086114	PTPRF_5765	-	GTGACCTATGCACCAGACGTAGGGTCGGGCCCCCATAATCAGGTGAGAAGGAATAGGGGAAGATCGGAAGAGCGGTTCAG
chr1	44086459	44086498	PTPRF_5766	-	GTGACCTATGCACCAGACGTTGGGTGGGGTACATGATTAGAATTCGTGCCTTAGGCAGCCAGATCGGAAGAGCGGTTCAG
chr1	44086718	44086757	PTPRF_5767	-	GTGACCTATGCACCAGACGTACACAGTTGGGTCAGGAGTCCTGCTTGCCTCATGCAGTGGAGATCGGAAGAGCGGTTCAG
chr1	44087556	44087595	PTPRF_5768	-	GTGACCTATGCACCAGACGTAGGGGGCTGGTCAGTGTGGGTCGCGCCAGTGGACACCCCCAGATCGGAAGAGCGGTTCAG
chr1	44056884	44056923	PTPRF_5769	-	GTGACCTATGCACCAGACGTTTCTCCCGTGCGTGCCCGCACTGCCTCGCTGGGCGGCCCTAGATCGGAAGAGCGGTTCAG
chr1	44069521	44069560	PTPRF_5770	-	GTGACCTATGCACCAGACGTCCTCGGGGGTCCTGATCTCCTTCTCGAACTCCTCACCCAAAGATCGGAAGAGCGGTTCAG
chr3	12625963	12626002	RAF1_5771	-	GTGACCTATGCACCAGACGTACCTGTCTTCAGGCTGCCAGGGGAGGAGGAGAAGCCAGCAAGATCGGAAGAGCGGTTCAG
chr3	12626296	12626335	RAF1_5772	-	GTGACCTATGCACCAGACGTGGGCTGCTAGAATGTGATTAAAGCATGGGTTGGTTCGTAAAGATCGGAAGAGCGGTTCAG
chr3	12626571	12626610	RAF1_5773	-	GTGACCTATGCACCAGACGTGCTGGTGCGAAAGGACCCAACTCGTGGGAGCCCCTGGGCCAGATCGGAAGAGCGGTTCAG
chr3	12627130	12627169	RAF1_5774	-	GTGACCTATGCACCAGACGTGGGCTCCCACCAGCAGTCTCTGGTATAGGGCAAAAGGAATAGATCGGAAGAGCGGTTCAG
chr3	12629040	12629079	RAF1_5775	-	GTGACCTATGCACCAGACGTGTTGTTGAGTTCATTTGACTGCTCGGTTCTAAATTTAGGGAGATCGGAAGAGCGGTTCAG
chr3	12632247	12632286	RAF1_5776	-	GTGACCTATGCACCAGACGTGGTCTGATGCCTCTCTGGGACCCAGGCATCAAATTTGTCCAGATCGGAAGAGCGGTTCAG
chr3	12633157	12633196	RAF1_5777	-	GTGACCTATGCACCAGACGTAGCTGGCGGTCCAGTCCCTCTGGAGTGCTGGAGTGGGGAGAGATCGGAAGAGCGGTTCAG
chr3	12641140	12641179	RAF1_5778	-	GTGACCTATGCACCAGACGTGGCCCTCCCTTTACTAACTGCAGGGCTTTGGTGTGAAGTCAGATCGGAAGAGCGGTTCAG
chr3	12641601	12641640	RAF1_5779	-	GTGACCTATGCACCAGACGTACAACAGTACCTCCTGCCAATTAGGGTTCAGTAAGAAAAAAGATCGGAAGAGCGGTTCAG
chr3	12641837	12641876	RAF1_5780	-	GTGACCTATGCACCAGACGTATAGTCATTTAGCCAACAATAATGGGCTTTTTTTCTTTATAGATCGGAAGAGCGGTTCAG
chr3	12645585	12645624	RAF1_5781	-	GTGACCTATGCACCAGACGTACCTTGGGGGTGGTAATGTCAGTCAATTAATGGGGTGAGGAGATCGGAAGAGCGGTTCAG
chr3	12647650	12647689	RAF1_5782	-	GTGACCTATGCACCAGACGTACCTATAGCTTTTCTTTTAGAAAGTTATTTGGGGTGGTGGAGATCGGAAGAGCGGTTCAG
chr3	12650215	12650254	RAF1_5783	-	GTGACCTATGCACCAGACGTGTTCTTTTATCCAAGGAAGATAGGGATGAGGAGTATACATAGATCGGAAGAGCGGTTCAG
chr3	12650682	12650721	RAF1_5784	-	GTGACCTATGCACCAGACGTGATCTCTTCTCTTTCTGGCATGTTGAGGGCTTTGCCAGGCAGATCGGAAGAGCGGTTCAG
chr3	12653399	12653438	RAF1_5785	-	GTGACCTATGCACCAGACGTAAAAGTCAATTGACTTCTTCAGACTAGTAAGGATCTTCTAAGATCGGAAGAGCGGTTCAG
chr3	12659964	12660003	RAF1_5786	-	GTGACCTATGCACCAGACGTATTCTACTTAGGAAATTTAGCTATTTATCTGCCTGTGGAGAGATCGGAAGAGCGGTTCAG
chr7	128828943	128828982	SMO_5787	-	GTGACCTATGCACCAGACGTGCCAACTCAGCAAAAGCCCCGGCGCCCCCGCCTGCTCCTCAGATCGGAAGAGCGGTTCAG
chr7	128843175	128843214	SMO_5788	-	GTGACCTATGCACCAGACGTCAACAGCATTGCAGTGAAGGCCCCTCCTCACTCTGACCCAAGATCGGAAGAGCGGTTCAG
chr7	128844994	128845033	SMO_5789	-	GTGACCTATGCACCAGACGTGGATGGGAAAAGACGGTGTCAAGGCAGCTCAGGGACGAGCAGATCGGAAGAGCGGTTCAG
chr7	128845401	128845440	SMO_5790	-	GTGACCTATGCACCAGACGTGAAGTGGGCCATTCTGTGAGGTTAGGGTTATTCTGCTGACAGATCGGAAGAGCGGTTCAG
chr7	128845941	128845980	SMO_5791	-	GTGACCTATGCACCAGACGTAGGTGAGGTGTCACTTGAGGCGGTCACTCTGTACTCCCTCAGATCGGAAGAGCGGTTCAG
chr7	128846255	128846294	SMO_5792	-	GTGACCTATGCACCAGACGTAAGGGGTGGGACAGAAGGTGGGTTACTGGCCCCCTCCCTCAGATCGGAAGAGCGGTTCAG
chr7	128848550	128848589	SMO_5793	-	GTGACCTATGCACCAGACGTGGGGGACCTCAGACATTAGCAGGGGTGAGGCTGCCCTGCTAGATCGGAAGAGCGGTTCAG
chr7	128849080	128849119	SMO_5794	-	GTGACCTATGCACCAGACGTCAGGGGCAGGACAGGACGTTACCAAGCCCAGTCCCGCAGCAGATCGGAAGAGCGGTTCAG
chr7	128850756	128850795	SMO_5795	-	GTGACCTATGCACCAGACGTAAGGGATAGGGAAGGAGCGTGAAGAAGCTGCCACTTCCCAAGATCGGAAGAGCGGTTCAG
chr7	128851427	128851466	SMO_5796	-	GTGACCTATGCACCAGACGTGGAAGGAAGGAAAGGAGAAGGAATAGTGACTTCCCGGTCCAGATCGGAAGAGCGGTTCAG
chr7	128851815	128851854	SMO_5797	-	GTGACCTATGCACCAGACGTGAGAGACAACACGAGCCTGGGGCCCTGGCTCTGTCCATGCAGATCGGAAGAGCGGTTCAG
chr10	104263860	104263899	SUFU_5798	-	GTGACCTATGCACCAGACGTAGGGCAGGCACTGGGGGAACTGGAGAGGGCAAACGACGGGAGATCGGAAGAGCGGTTCAG
chr10	104268876	104268915	SUFU_5799	-	GTGACCTATGCACCAGACGTCAAAACACAGGGGTGTTAGTGTAAGCCTGGAAATCAGACAAGATCGGAAGAGCGGTTCAG
chr10	104309677	104309716	SUFU_5800	-	GTGACCTATGCACCAGACGTTAAAAAGCAAGTGTTTTAAGCTCAATTACCTTAGGAAAAAAGATCGGAAGAGCGGTTCAG

chr10	104352289	104352328	SUFU_5801	-	GTGACCTATGCACCAGACGTGATACAAGGATCCTCATTGTTCAAGGCCCCAGATCCAGGCAGATCGGAAGAGCGGTTCAG
chr10	104353343	104353382	SUFU_5802	-	GTGACCTATGCACCAGACGTGGATAGAAAGCCCATTGTGTGTTAATGGCCACCCCCCACCAGATCGGAAGAGCGGTTCAG
chr10	104353700	104353739	SUFU_5803	-	GTGACCTATGCACCAGACGTGGAAAGGGGATACAATGGTAACTGAGGGTCTGGGGCTGATAGATCGGAAGAGCGGTTCAG
chr10	104356847	104356886	SUFU_5804	-	GTGACCTATGCACCAGACGTAGAACCAAAGAGCCAGAGTTCTTTCAGAGAACTGGTGACCAGATCGGAAGAGCGGTTCAG
chr10	104359140	104359179	SUFU_5805	-	GTGACCTATGCACCAGACGTACCACTAAGTTGCCCAGTGGCCCAGTGGGCTCCCAGCAATAGATCGGAAGAGCGGTTCAG
chr10	104374975	104375014	SUFU_5806	-	GTGACCTATGCACCAGACGTAGCACAGGAAAAGGTTCGGCACAAGGTGAAAAGCTCAGGGAGATCGGAAGAGCGGTTCAG
chr10	104376997	104377036	SUFU_5807	-	GTGACCTATGCACCAGACGTGAACATGGAGACAGTGAGGAGCTGGGCTTGGAAACAGTTCAGATCGGAAGAGCGGTTCAG
chr10	104386882	104386921	SUFU_5808	-	GTGACCTATGCACCAGACGTACAAGGCAGGCTTTTATTATTATTTTTAAATGTATGATCTAGATCGGAAGAGCGGTTCAG
chr10	104389773	104389812	SUFU_5809	-	GTGACCTATGCACCAGACGTAGCAAGCACAGACCAGGAGTGTGAGTGGTTAGCAGAATACAGATCGGAAGAGCGGTTCAG
chr1	47685342	47685381	TAL1_5810	-	GTGACCTATGCACCAGACGTCCACCAGGATCAGCCAGGAGGGCGTTCTTAGGCTGCTGGGAGATCGGAAGAGCGGTTCAG
chr1	47689626	47689665	TAL1_5811	-	GTGACCTATGCACCAGACGTCCCACCCCACCGTTGTACCTGCCCCTCACGCTGGTTAGAGAGATCGGAAGAGCGGTTCAG
chr14	76425480	76425519	TGFB3_5812	-	GTGACCTATGCACCAGACGTGCGACAGAGAGAGGGGAGAGAGAACCACCACTGCCTGACTAGATCGGAAGAGCGGTTCAG
chr14	76427216	76427255	TGFB3_5813	-	GTGACCTATGCACCAGACGTGGCTCATGCCATCTGAGGCACTGGGGCTGACCGACCAGACAGATCGGAAGAGCGGTTCAG
chr14	76429609	76429648	TGFB3_5814	-	GTGACCTATGCACCAGACGTGCCCACATGGGAACCAACATCTACTGCCTGCCTACTGCCCAGATCGGAAGAGCGGTTCAG
chr14	76431881	76431920	TGFB3_5815	-	GTGACCTATGCACCAGACGTGAATGTGTATGGTAGGATGGGTGAGTGGGGGGGAAGTTAAAGATCGGAAGAGCGGTTCAG
chr14	76437419	76437458	TGFB3_5816	-	GTGACCTATGCACCAGACGTCCTTCAGATAAGCATTTCAGAATGAACCTCAGGTCCCTTAAGATCGGAAGAGCGGTTCAG
chr14	76437848	76437887	TGFB3_5817	-	GTGACCTATGCACCAGACGTTCTCAGAGCAGAAACCACACCGACGGGAAAGCTGGTTCCTAGATCGGAAGAGCGGTTCAG
chr14	76446835	76446874	TGFB3_5818	-	GTGACCTATGCACCAGACGTATTCTCGCTGGGGTGTCTGCTCTGGAGGGTCTGAACTGGAAGATCGGAAGAGCGGTTCAG
chr17	76170790	76170829	TK1_5819	-	GTGACCTATGCACCAGACGTAGGGCCGCCCGCTCCCTTCCTGCCACTGCCGCCTACTGGAAGATCGGAAGAGCGGTTCAG
chr17	76171081	76171120	TK1_5820	-	GTGACCTATGCACCAGACGTCTGCCTTCCCTGCAGGCCGGCGGGGTGGGGGTATGGCTCTAGATCGGAAGAGCGGTTCAG
chr17	76171560	76171599	TK1_5821	-	GTGACCTATGCACCAGACGTTGATCCAGGTCTGGAGCTGGGATTGAGGAGGGCAAGAGGCAGATCGGAAGAGCGGTTCAG
chr17	76178620	76178659	TK1_5822	-	GTGACCTATGCACCAGACGTTTGTCTTGGCATCACTCTTCCTGCCAGCTTCCGCTCTGTCAGATCGGAAGAGCGGTTCAG
chr17	76181086	76181125	TK1_5823	-	GTGACCTATGCACCAGACGTGCCCCCTGCAGTCCTGTCCAGTGGAAAATCACAAGGCACAAGATCGGAAGAGCGGTTCAG
chr17	76182818	76182857	TK1_5824	-	GTGACCTATGCACCAGACGTCGCGGGGCTGGGGTGGAGCTCCTTCCTCTTCTCCGGGGACAGATCGGAAGAGCGGTTCAG
chr17	76182960	76182999	TK1_5825	-	GTGACCTATGCACCAGACGTCAGCCCTGCGCGTGGCTGGGGATGAGGTGGTCGTGGTGATAGATCGGAAGAGCGGTTCAG
chr12	48238479	48238518	VDR_5826	-	GTGACCTATGCACCAGACGTCTGTGGCGGTGCCTGGGTGGGGCTGCTCCTCCAGGGCCACAGATCGGAAGAGCGGTTCAG
chr12	48240068	48240107	VDR_5827	-	GTGACCTATGCACCAGACGTAGGCAGGGAGGAGCTCAGGGACCTGGGGAGCGGGGAGTATAGATCGGAAGAGCGGTTCAG
chr12	48240390	48240429	VDR_5828	-	GTGACCTATGCACCAGACGTACTCCACCTCCTGGGGAGTCTTTTTCAGCTCCCAGATTCTAGATCGGAAGAGCGGTTCAG
chr12	48249363	48249402	VDR_5829	-	GTGACCTATGCACCAGACGTTCTGCAATCTCTGGGGAACAGAGTCAGAGTCCTAGACTGAAGATCGGAAGAGCGGTTCAG
chr12	48250862	48250901	VDR_5830	-	GTGACCTATGCACCAGACGTCTTCAGTCCTCCATAGAGTAAGGGAGCGGGGGCGAGGAGTAGATCGGAAGAGCGGTTCAG
chr12	48251237	48251276	VDR_5831	-	GTGACCTATGCACCAGACGTCTGCTGGGAGGATGAGCCGGTCCAGAGGAGAAGCACTAGTAGATCGGAAGAGCGGTTCAG
chr12	48258780	48258819	VDR_5832	-	GTGACCTATGCACCAGACGTAGGGGCTGGGCAGGGTTTGGGCCTGAAGTGGAGTCAGGGAAGATCGGAAGAGCGGTTCAG
chr12	48272701	48272740	VDR_5833	-	GTGACCTATGCACCAGACGTCTCCCAGGCTCTCCCCAGTGGAAAGGGAGGGAGAAGAAGCAGATCGGAAGAGCGGTTCAG
chr4	89013336	89013375	ABCG2_5834	-	GTGACCTATGCACCAGACGTAATTCAGTATGATTTATCCTCACATAAAAAAGAAGCACTTAGATCGGAAGAGCGGTTCAG
chr4	89015679	89015718	ABCG2_5835	-	GTGACCTATGCACCAGACGTGTTCAGTGTCAAAATGGGTTTTGTTACTACCATGGTGTGAAGATCGGAAGAGCGGTTCAG
chr4	89016622	89016661	ABCG2_5836	-	GTGACCTATGCACCAGACGTCTTGTCTGTCACTGTGACTGCATTCCCAAGCTAGGAACAAAGATCGGAAGAGCGGTTCAG
chr4	89018555	89018594	ABCG2_5837	-	GTGACCTATGCACCAGACGTACTGTGTTTGCTCTGATAAGGAATTGTTTTTTTCCTTCATAGATCGGAAGAGCGGTTCAG
chr4	89020426	89020465	ABCG2_5838	-	GTGACCTATGCACCAGACGTAACAAAACAAAAAAGGACATGTCTTTAGTCTTGCCTATGGAGATCGGAAGAGCGGTTCAG
chr4	89022332	89022371	ABCG2_5839	-	GTGACCTATGCACCAGACGTCTTTGTTCTGGGAACGGGGCTGTCCAGCAGCAGGGGCTATAGATCGGAAGAGCGGTTCAG
chr4	89028286	89028325	ABCG2_5840	-	GTGACCTATGCACCAGACGTTTGGATCTTGATTTTCAGAAAATGCTGTTACTTTCTTCAAAGATCGGAAGAGCGGTTCAG
chr4	89034405	89034444	ABCG2_5841	-	GTGACCTATGCACCAGACGTGATTCTTTTGAAATACTCAAATGGGAACAATGTGGTTCTGAGATCGGAAGAGCGGTTCAG
chr4	89036059	89036098	ABCG2_5842	-	GTGACCTATGCACCAGACGTCTGTTACAGTCCCAGATTTTTGCCTAATTGAATTGGCTGAAGATCGGAAGAGCGGTTCAG
chr4	89039211	89039250	ABCG2_5843	-	GTGACCTATGCACCAGACGTCTTTTTTATGCTGTAAAATGCTTCATTAATAGAATCCTGAAGATCGGAAGAGCGGTTCAG
chr4	89052163	89052202	ABCG2_5844	-	GTGACCTATGCACCAGACGTAAAACTGAAAGCATCATGATCAGCATAAGTAGGACTTTCCAGATCGGAAGAGCGGTTCAG
chr4	89052905	89052944	ABCG2_5845	-	GTGACCTATGCACCAGACGTGTGGGTTTGCATTTTCTGTTTCCTCTGTTTCTATATGGGTAGATCGGAAGAGCGGTTCAG
chr4	89053678	89053717	ABCG2_5846	-	GTGACCTATGCACCAGACGTGAGAGTATAAGTAAGCGTTTTCTGTGCACTTTTAATGTGCAGATCGGAAGAGCGGTTCAG
chr4	89060895	89060934	ABCG2_5847	-	GTGACCTATGCACCAGACGTGAACTTGTAAAAAGACAGCTTTTTAATTTACCTACAGTGAAGATCGGAAGAGCGGTTCAG
chr5	131289877	131289916	ACSL6_5848	-	GTGACCTATGCACCAGACGTAAGTTCTTCTCAGTGTAATGAACTGTCTAGCAATATTATAAGATCGGAAGAGCGGTTCAG
chr5	131295179	131295218	ACSL6_5849	-	GTGACCTATGCACCAGACGTCCTTCCCCATACTCGTTACAACCCTTCAGGCAGTGATGAAAGATCGGAAGAGCGGTTCAG
chr5	131296163	131296202	ACSL6_5850	-	GTGACCTATGCACCAGACGTTGGGGCTGTCTCCTGAAAGGTTACTGAATGTTTTATGGTAAGATCGGAAGAGCGGTTCAG
chr5	131298178	131298217	ACSL6_5851	-	GTGACCTATGCACCAGACGTTAGGCTTCAGCCCTCCCACATATCCTGGGCATGCTGAAAAAGATCGGAAGAGCGGTTCAG
chr5	131302059	131302098	ACSL6_5852	-	GTGACCTATGCACCAGACGTTTGGAACCACGGAGCTCCAAACATTTGGCAGTGGGAGGGTAGATCGGAAGAGCGGTTCAG
chr5	131303583	131303622	ACSL6_5853	-	GTGACCTATGCACCAGACGTATTTAGCCATTCATGCCTGTGGCTGCTACATGTAGTGAGTAGATCGGAAGAGCGGTTCAG
chr5	131305771	131305810	ACSL6_5854	-	GTGACCTATGCACCAGACGTCTAGAGATATAGGACTGGCTCGCGAGGCACTGTGGAGTAAAGATCGGAAGAGCGGTTCAG
chr5	131307193	131307232	ACSL6_5855	-	GTGACCTATGCACCAGACGTTGTGTGTCCTCCCTTGGAAACAGCAGGAAGTTCGTTAGGGAGATCGGAAGAGCGGTTCAG
chr5	131308367	131308406	ACSL6_5856	-	GTGACCTATGCACCAGACGTGAACAAGTGATTATAGAGTGACACCTAAGTATCCAACGGGAGATCGGAAGAGCGGTTCAG
chr5	131308909	131308948	ACSL6_5857	-	GTGACCTATGCACCAGACGTCAGGGAGTCTTCAGCCAGGCTGAGGGGCTGCATATTTGCTAGATCGGAAGAGCGGTTCAG
chr5	131310401	131310440	ACSL6_5858	-	GTGACCTATGCACCAGACGTGGCATCAGGGAGGCACACTCTGTGCCTAGAACCCATAACCAGATCGGAAGAGCGGTTCAG

chr5	131310536	131310575	ACSL6_5859	-	GTGACCTATGCACCAGACGTCACCTGACTGACCGGGCCTTGCCTGGGCTCCTTCTTTTTTAGATCGGAAGAGCGGTTCAG
chr5	131312291	131312330	ACSL6_5860	-	GTGACCTATGCACCAGACGTTAGCATTACTGTTGCAGGTGTCTCTTGAGGACAACCTCAAAGATCGGAAGAGCGGTTCAG
chr5	131321050	131321089	ACSL6_5861	-	GTGACCTATGCACCAGACGTGCACGCAGATCCCCAGCCATGGCTACCTGCACCCTTCCCTAGATCGGAAGAGCGGTTCAG
chr5	131322465	131322504	ACSL6_5862	-	GTGACCTATGCACCAGACGTTCACCTGCAGGTCTTTATTGAGCGAGATGGCGTGCAGGGCAGATCGGAAGAGCGGTTCAG
chr5	131323691	131323730	ACSL6_5863	-	GTGACCTATGCACCAGACGTGCTTCTGGGCGGTTTGCTGGGCTACTGCTGGCTGGTCACCAGATCGGAAGAGCGGTTCAG
chr5	131324448	131324487	ACSL6_5864	-	GTGACCTATGCACCAGACGTTGCCACCCCACCCTGCCACTGGCAACTGGTCCCCAGCCTCAGATCGGAAGAGCGGTTCAG
chr5	131325050	131325089	ACSL6_5865	-	GTGACCTATGCACCAGACGTACCTTGACTGGTTTTAGAGGGATTCGTGGGGTAGGGGTTGAGATCGGAAGAGCGGTTCAG
chr5	131325743	131325782	ACSL6_5866	-	GTGACCTATGCACCAGACGTCAGGACAGGCCCCACCCTGGCCACCCATTCAGATCTGGCAAGATCGGAAGAGCGGTTCAG
chr5	131326496	131326535	ACSL6_5867	-	GTGACCTATGCACCAGACGTTTGTGGGGGGGGTGTGGAGGGGCTGTGTGGCAGGGGTGGAGATCGGAAGAGCGGTTCAG
chr5	131329674	131329713	ACSL6_5868	-	GTGACCTATGCACCAGACGTTAGGAGACGTTCCACTGCGGAAAGTAGGGGGCAGAGGACAAGATCGGAAGAGCGGTTCAG
chr5	131347148	131347187	ACSL6_5869	-	GTGACCTATGCACCAGACGTGTCCTGTCCGCGTCCCGGACTCCCATCTCCCGCAGGCTATAGATCGGAAGAGCGGTTCAG
chr20	43248425	43248464	ADA_5870	-	GTGACCTATGCACCAGACGTCCTCCAAGCCTTCACCCTGTGGAGTCACCCCAACTCTGTGAGATCGGAAGAGCGGTTCAG
chr20	43248890	43248929	ADA_5871	-	GTGACCTATGCACCAGACGTGTCTGGGCTTCTGGGCAGTTGCCCTGTCCTGGCCCCAGTGAGATCGGAAGAGCGGTTCAG
chr20	43249609	43249648	ADA_5872	-	GTGACCTATGCACCAGACGTGTGAGCCATACTGGCCTTGACTCGGGTTTGGGAGTATGGTAGATCGGAAGAGCGGTTCAG
chr20	43251179	43251218	ADA_5873	-	GTGACCTATGCACCAGACGTTTCCCCTGGGCCTGTTCAATTTTGTTCCAGGAAGGCCAAAAGATCGGAAGAGCGGTTCAG
chr20	43251420	43251459	ADA_5874	-	GTGACCTATGCACCAGACGTCAGGGAGTGGGGAGGAACCATCCCCGGCTGTCCCAACTTCAGATCGGAAGAGCGGTTCAG
chr20	43251598	43251637	ADA_5875	-	GTGACCTATGCACCAGACGTGGGCTGGCCATGGGGTCCCTCCTCACTGCCTCCTCCCATAAGATCGGAAGAGCGGTTCAG
chr20	43252793	43252832	ADA_5876	-	GTGACCTATGCACCAGACGTTGAGAAGGAATGGAGAGGCTGGCCCTGGGTGAGCTTGTCTAGATCGGAAGAGCGGTTCAG
chr20	43254160	43254199	ADA_5877	-	GTGACCTATGCACCAGACGTTCACCGCCCTGCCCAGGGCCGCCCGTCTCACCCTGGCCCTAGATCGGAAGAGCGGTTCAG
chr20	43255047	43255086	ADA_5878	-	GTGACCTATGCACCAGACGTGGCCTGGAAGGGGCCATGCTGAGGGTGTGGCTGGGAGGCTAGATCGGAAGAGCGGTTCAG
chr20	43257638	43257677	ADA_5879	-	GTGACCTATGCACCAGACGTCCCAACCCACAGGTCCTAGGGCAGCATTGATCCCTATGACAGATCGGAAGAGCGGTTCAG
chr20	43264818	43264857	ADA_5880	-	GTGACCTATGCACCAGACGTACAGAAGAGCCCTCTCTCCCTGGGATTTGAGTGGGGTCCCAGATCGGAAGAGCGGTTCAG
chr20	43280166	43280205	ADA_5881	-	GTGACCTATGCACCAGACGTGCGGGGGCTCCGGGGACGGGGGTCCGGCGCCTGGGCGGCCAGATCGGAAGAGCGGTTCAG
chr9	21968252	21968291	CDKN2A_5882	+	GTGACCTATGCACCAGACGTCAGAAAGAAAACAGGCGTTAGAAACCTGAGGTCAAAGATGAGATCGGAAGAGCGGTTCAG
chr9	21971218	21971257	CDKN2A_5883	+	GTGACCTATGCACCAGACGTGAACAGAATGGTCAGAGCCAGGGTGGGGGCCGGCATGACGAGATCGGAAGAGCGGTTCAG
chr9	21974837	21974876	CDKN2A_5884	+	GTGACCTATGCACCAGACGTGCCGCCCGCTGCCTGCTCTCCCCCTCTCCGCAGCCGCCGAAGATCGGAAGAGCGGTTCAG
chr7	55210141	55210180	EGFR_5885	+	GTGACCTATGCACCAGACGTTTGATTTTCCTACACAAATAAAATTGGAGAAAATCTAAGTAGATCGGAAGAGCGGTTCAG
chr7	55211192	55211231	EGFR_5886	+	GTGACCTATGCACCAGACGTGGGATGCCAAGGCTGGGGGTTCATAAATGCAGACAGCAGTAGATCGGAAGAGCGGTTCAG
chr7	55214444	55214483	EGFR_5887	+	GTGACCTATGCACCAGACGTCATACACACTATCTCTGCCTCCAGCTCCTATGGGGGACAGAGATCGGAAGAGCGGTTCAG
chr7	55219066	55219105	EGFR_5888	+	GTGACCTATGCACCAGACGTGAACAGCCTCAGACCCATGTGTGACCGCCCCTCTCTTCCTAGATCGGAAGAGCGGTTCAG
chr7	55220368	55220407	EGFR_5889	+	GTGACCTATGCACCAGACGTCCTCCAGCAGCCTCCCTGGAGCAGGCTGGGGCTGCACCCGAGATCGGAAGAGCGGTTCAG
chr7	55221856	55221895	EGFR_5890	+	GTGACCTATGCACCAGACGTCTCTGTGGGCCCTCTAACTGGTCAGGCATCCTTGTCCCGCAGATCGGAAGAGCGGTTCAG
chr7	55223650	55223689	EGFR_5891	+	GTGACCTATGCACCAGACGTCGCCGGTGTGCGGACGAGGCTTGTTCTCGGCTGCTGAGGCAGATCGGAAGAGCGGTTCAG
chr7	55224363	55224402	EGFR_5892	+	GTGACCTATGCACCAGACGTGGTTCAGTTGCTTGTATAAAGAAAAACAAAATCTGCCTTTAGATCGGAAGAGCGGTTCAG
chr7	55224536	55224575	EGFR_5893	+	GTGACCTATGCACCAGACGTAATTATCACATGAATATAAATGGGAAATCAGTGTTTTAGAAGATCGGAAGAGCGGTTCAG
chr7	55224547	55224586	EGFR_5894	+	GTGACCTATGCACCAGACGTGAATATAAATGGGAAATCAGTGTTTTAGAGAGAGAACTTTAGATCGGAAGAGCGGTTCAG
chr7	55228042	55228081	EGFR_5895	+	GTGACCTATGCACCAGACGTGCTTTCTGTTTAGTTTATGGAGTTGGTTCTAATGGGTCCTAGATCGGAAGAGCGGTTCAG
chr7	55229335	55229374	EGFR_5896	+	GTGACCTATGCACCAGACGTATTTCTTTAATCCCCTTGCGTTGATCAAAAATAAGGCTCCAGATCGGAAGAGCGGTTCAG
chr7	55231527	55231566	EGFR_5897	+	GTGACCTATGCACCAGACGTCTTGCTGCTATCCACGTCCATTTCATGGGAAGGGCCTTCAAGATCGGAAGAGCGGTTCAG
chr7	55233141	55233180	EGFR_5898	+	GTGACCTATGCACCAGACGTAGTGAAGGAGAACAGAACATTTCCTCTCTTGCAAATTCAGAGATCGGAAGAGCGGTTCAG
chr7	55236233	55236272	EGFR_5899	+	GTGACCTATGCACCAGACGTCTGTCTGACTTTAGTCTCCCACTAAAACTGCATTTCCTTTAGATCGGAAGAGCGGTTCAG
chr7	55238248	55238287	EGFR_5900	+	GTGACCTATGCACCAGACGTTTCACGTGTCTGTTCCCCCCGCTTTTCCTTTCTGCCACCCAGATCGGAAGAGCGGTTCAG
chr7	55238917	55238956	EGFR_5901	+	GTGACCTATGCACCAGACGTACAGCTCTGTGTCACATGGACCTCGTCAAGAATGACCACAAGATCGGAAGAGCGGTTCAG
chr7	55240828	55240867	EGFR_5902	+	GTGACCTATGCACCAGACGTGTCCTGGGTGGGCTCAGGAGCCCTCGCACCCCGACAGGAAAGATCGGAAGAGCGGTTCAG
chr7	55241747	55241786	EGFR_5903	+	GTGACCTATGCACCAGACGTTGGCACAGGCCTCTGGGCTGGGCCGCAGGGCCTCTCATGGAGATCGGAAGAGCGGTTCAG
chr7	55242524	55242563	EGFR_5904	+	GTGACCTATGCACCAGACGTGCTTTGCTGTGTGGGGGTCCATGGCTCTGAACCTCAGGCCAGATCGGAAGAGCGGTTCAG
chr7	55249182	55249221	EGFR_5905	+	GTGACCTATGCACCAGACGTAAGGGAGATACGGGGAGGGGAGATAAGGAGCCAGGATCCTAGATCGGAAGAGCGGTTCAG
chr7	55259578	55259617	EGFR_5906	+	GTGACCTATGCACCAGACGTGGCTTTAGGTCAGCCAGCATTTTCCTGACACCAGGGACCAAGATCGGAAGAGCGGTTCAG
chr7	55260545	55260584	EGFR_5907	+	GTGACCTATGCACCAGACGTATCCTGATGCTAATGAGTTTGTACTGAGGCCAAGCTGGCTAGATCGGAAGAGCGGTTCAG
chr7	55266567	55266606	EGFR_5908	+	GTGACCTATGCACCAGACGTGGTGGGTCTGTCCACACTGCCTAGCTGAGCCTTGGTGGCTAGATCGGAAGAGCGGTTCAG
chr7	55268117	55268156	EGFR_5909	+	GTGACCTATGCACCAGACGTCAGTCTGTGCTTCCATTGGGAAGAGTCCCTCTAATGAGCAAGATCGGAAGAGCGGTTCAG
chr7	55269059	55269098	EGFR_5910	+	GTGACCTATGCACCAGACGTTCTGTCTCTCTCTCTCTCTCAAGCTGTGTCTACTCATTTGAGATCGGAAGAGCGGTTCAG
chr7	55269486	55269525	EGFR_5911	+	GTGACCTATGCACCAGACGTACACCTTATAAGCCAGAATTTACAGCTCTCCACTATGGCTAGATCGGAAGAGCGGTTCAG
chr7	55270329	55270368	EGFR_5912	+	GTGACCTATGCACCAGACGTTGTCTGGAAACAGTCCTGCTCCTCAACCTCCTCGACCCACAGATCGGAAGAGCGGTTCAG
chr7	55273321	55273360	EGFR_5913	+	GTGACCTATGCACCAGACGTTAGTATGAGCCCTAAAAATCCAGACTCTTTCGATACCCAGAGATCGGAAGAGCGGTTCAG
chr17	7573019	7573058	TP53_5914	+	GTGACCTATGCACCAGACGTCAGAAGCAGGGAGGAGAGATGACATCACATGAGTGAGAGGAGATCGGAAGAGCGGTTCAG
chr17	7576595	7576634	TP53_5915	+	GTGACCTATGCACCAGACGTCAAAGTCATAGAACCATTTTCATGCTCTCTTTAACAATTTAGATCGGAAGAGCGGTTCAG
chr17	7576668	7576707	TP53_5916	+	GTGACCTATGCACCAGACGTTATATTATGGTATAAGTTGGTGTTCTGAAGTTAGTTAGCTAGATCGGAAGAGCGGTTCAG

chr17	7576937	7576976	TP53_5917	+	GTGACCTATGCACCAGACGTGGCAAGGAAAGGTGATAAAAGTGAATCTGAGGCATAACTGAGATCGGAAGAGCGGTTCAG
chr17	7577166	7577205	TP53_5918	+	GTGACCTATGCACCAGACGTTAGGAAAAGAGAAGCAAGAGGCAGTAAGGAAATCAGGTCCAGATCGGAAGAGCGGTTCAG
chr17	7577619	7577658	TP53_5919	+	GTGACCTATGCACCAGACGTACACAGGCCCAAGATGAGGCCAGTGCGCCTTGGGGAGACCAGATCGGAAGAGCGGTTCAG
chr17	7578300	7578339	TP53_5920	+	GTGACCTATGCACCAGACGTTCAGTGAGGAATCAGAGGCCTGGGGACCCTGGGCAACCAGAGATCGGAAGAGCGGTTCAG
chr17	7578565	7578604	TP53_5921	+	GTGACCTATGCACCAGACGTAGGAAGGAGACAGAGTTGAAAGTCAGGGCACAAGTGAACAAGATCGGAAGAGCGGTTCAG
chr17	7579732	7579771	TP53_5922	+	GTGACCTATGCACCAGACGTAGAGCAGAAAGTCAGTCCCATGGAATTTTCGCTTCCCACAAGATCGGAAGAGCGGTTCAG
chr17	7579923	7579962	TP53_5923	+	GTGACCTATGCACCAGACGTCGGAAGGCAGTCTGGCTGCTGCAAGAGGAAAAGTGGGGATAGATCGGAAGAGCGGTTCAG
chr3	178916976	178917015	PIK3CA_5924	+	GTGACCTATGCACCAGACGTATATCCTATTCTAAAATGCAAATAACCATAAAGCTTAACTAGATCGGAAGAGCGGTTCAG
chr3	178917698	178917737	PIK3CA_5925	+	GTGACCTATGCACCAGACGTGACTAATCTACTCTAATCATTACTATAGTGCAGTCTTCTAAGATCGGAAGAGCGGTTCAG
chr3	178921588	178921627	PIK3CA_5926	+	GTGACCTATGCACCAGACGTATGCTGATGCTTATTATTTTATAGAAATTATTTTAGATAAAGATCGGAAGAGCGGTTCAG
chr3	178922387	178922426	PIK3CA_5927	+	GTGACCTATGCACCAGACGTATATAGATTTATATTTCCAAAGGTTATATTAGTGTTTAGCAGATCGGAAGAGCGGTTCAG
chr3	178927499	178927538	PIK3CA_5928	+	GTGACCTATGCACCAGACGTTCAGAAGGAACAATTATGTTTACCTTTAAAAACTCCTGATAGATCGGAAGAGCGGTTCAG
chr3	178928137	178928176	PIK3CA_5929	+	GTGACCTATGCACCAGACGTTATTGTCATAAATTAGATATTTTTTATGGCAGTCAAACCTAGATCGGAAGAGCGGTTCAG
chr3	178928364	178928403	PIK3CA_5930	+	GTGACCTATGCACCAGACGTTCACTGAGTTTATTAAGTATCAATTATAATCTGTGGATTTAGATCGGAAGAGCGGTTCAG
chr3	178936133	178936172	PIK3CA_5931	+	GTGACCTATGCACCAGACGTAAATGGAGATTCTCTGTTTCTTTTTCTTTATTACAGAAAAAGATCGGAAGAGCGGTTCAG
chr3	178937076	178937115	PIK3CA_5932	+	GTGACCTATGCACCAGACGTGTTTGAGATTACTAGATAACTGTTGTACAAATTGGTATGTAGATCGGAAGAGCGGTTCAG
chr3	178937851	178937890	PIK3CA_5933	+	GTGACCTATGCACCAGACGTTTATTTTCCCATTAAATTCTTAAGGTACATATTACTTGCTAGATCGGAAGAGCGGTTCAG
chr3	178938956	178938995	PIK3CA_5934	+	GTGACCTATGCACCAGACGTCTAGTTTGTGTTTGAGACTCTTTTCACTGCAGTGGGGCAGAGATCGGAAGAGCGGTTCAG
chr3	178941986	178942025	PIK3CA_5935	+	GTGACCTATGCACCAGACGTGGGGGTTTCATTGATATATTTAAATAAATACCTTTTCTGGAGATCGGAAGAGCGGTTCAG
chr3	178942620	178942659	PIK3CA_5936	+	GTGACCTATGCACCAGACGTGTATTAATGAGCTTATGATGCATGAATTTAGCTATCTTTTAGATCGGAAGAGCGGTTCAG
chr3	178943839	178943878	PIK3CA_5937	+	GTGACCTATGCACCAGACGTAGTAAGGCAACCTGTATGTTGAAAGTTATCCTGAAAAAGTAGATCGGAAGAGCGGTTCAG
chr3	178947241	178947280	PIK3CA_5938	+	GTGACCTATGCACCAGACGTTTATTCTTTCTTCCTATGTTAATCTAAGTTTTTGTTAGATAGATCGGAAGAGCGGTTCAG
chr3	178947920	178947959	PIK3CA_5939	+	GTGACCTATGCACCAGACGTTCTCTGTTTAAAATGTTTTGGTGTTCTTAATTTATTCAAGAGATCGGAAGAGCGGTTCAG
chr3	178948175	178948214	PIK3CA_5940	+	GTGACCTATGCACCAGACGTGCAATTAAAAACACAAAATAAAGAGTTCTGGCTGCTCTATAGATCGGAAGAGCGGTTCAG
chr3	178952163	178952202	PIK3CA_5941	+	GTGACCTATGCACCAGACGTGAGAAAATGAAAGCTCACTCTGGATTCCACACTGCACTGTAGATCGGAAGAGCGGTTCAG
chr13	48878196	48878235	RB1_5942	+	GTGACCTATGCACCAGACGTAGAGCCGCCGTCGCCTCACGCGGGAAGGGCGCCCCGGGTGAGATCGGAAGAGCGGTTCAG
chr13	48916861	48916900	RB1_5943	+	GTGACCTATGCACCAGACGTTTGTATAAATATAAGCCTCTGCCATAAAAGGAAACGAATTAGATCGGAAGAGCGGTTCAG
chr13	48919346	48919385	RB1_5944	+	GTGACCTATGCACCAGACGTCATTTTATTAGGTTTACACTCTGATTTTTTATGTCATTGTAGATCGGAAGAGCGGTTCAG
chr13	48922010	48922049	RB1_5945	+	GTGACCTATGCACCAGACGTCACAGAATGTTATTTTTCACTTAAAAAAAAGATTTTTATAGATCGGAAGAGCGGTTCAG
chr13	48923170	48923209	RB1_5946	+	GTGACCTATGCACCAGACGTTATATTTATTAAATGCTAATATTTCAAATGTAATAATTAAAGATCGGAAGAGCGGTTCAG
chr13	48937104	48937143	RB1_5947	+	GTGACCTATGCACCAGACGTTTCATGATTTCTTTAAAACAGTTAAAGTAGATTTAGATGTAGATCGGAAGAGCGGTTCAG
chr13	48939118	48939157	RB1_5948	+	GTGACCTATGCACCAGACGTAGGAAATTTAATAAAATATTAATGTTTTGAGACTGTGGAGAGATCGGAAGAGCGGTTCAG
chr13	48941750	48941789	RB1_5949	+	GTGACCTATGCACCAGACGTTGGTATATTTGATTGATTTGCTTTAGATATAGGTTGATACAGATCGGAAGAGCGGTTCAG
chr13	48947639	48947678	RB1_5950	+	GTGACCTATGCACCAGACGTTATGAAACATTATTTATTGTAATATCTTGGCAAAGAAACTAGATCGGAAGAGCGGTTCAG
chr13	48951181	48951220	RB1_5951	+	GTGACCTATGCACCAGACGTTTCATTGTAATTCGTGGTACTATAGAGTAATAATATTAAAAGATCGGAAGAGCGGTTCAG
chr13	48954388	48954427	RB1_5952	+	GTGACCTATGCACCAGACGTTTTTCATAAATAAACACTTTTGTTCAATTTAAAGTTAAAAAGATCGGAAGAGCGGTTCAG
chr13	48955590	48955629	RB1_5953	+	GTGACCTATGCACCAGACGTAAATAATTGAAGAAATTCATTCATGTGCATATGGCTAACAAGATCGGAAGAGCGGTTCAG
chr13	49027258	49027297	RB1_5954	+	GTGACCTATGCACCAGACGTTATATGTTATGTTGACCATTCAAACTGCAAATAGATTTTAAGATCGGAAGAGCGGTTCAG
chr13	49033980	49034019	RB1_5955	+	GTGACCTATGCACCAGACGTCAAGCACTTCACCTTCTCTCCTCCCTACTTACTTGTTAACAGATCGGAAGAGCGGTTCAG
chr13	49037982	49038021	RB1_5956	+	GTGACCTATGCACCAGACGTTTCCATAGTAAGTTTTTTTGATAAATCCATATCCATAACAAGATCGGAAGAGCGGTTCAG
chr13	49039258	49039297	RB1_5957	+	GTGACCTATGCACCAGACGTAGTATCCTTTGATTGGAAAAATCTAATGTAATGGGTCCACAGATCGGAAGAGCGGTTCAG
chr13	49039515	49039554	RB1_5958	+	GTGACCTATGCACCAGACGTTCTCTTTAGGGAAGTAGTAAAGAATGAGAGGGGGATTATTAGATCGGAAGAGCGGTTCAG
chr13	49047537	49047576	RB1_5959	+	GTGACCTATGCACCAGACGTTCTTTCTATGAAATATAATAGTATGCATTGTAAGTATAAAAGATCGGAAGAGCGGTTCAG
chr13	49050990	49051029	RB1_5960	+	GTGACCTATGCACCAGACGTGTTTTGAATGTTTTCCAGTAGCCGAGATGGTCATCTGGGGAGATCGGAAGAGCGGTTCAG
chr13	49051551	49051590	RB1_5961	+	GTGACCTATGCACCAGACGTTTTTCACCTTGTGTAAATGAAATAAACAATTGTTTACACTAGATCGGAAGAGCGGTTCAG
chr13	49054218	49054257	RB1_5962	+	GTGACCTATGCACCAGACGTACCTTGGTGGACACTGTGTACACCTCTGGATTCATTGTCTAGATCGGAAGAGCGGTTCAG
chr17	29422398	29422437	NF1_5963	+	GTGACCTATGCACCAGACGTCGTGGCGGGCGGGAGGTGGGAGCGGAGTGGGGGTGGGGACAGATCGGAAGAGCGGTTCAG
chr17	29483155	29483194	NF1_5964	+	GTGACCTATGCACCAGACGTGGGTTACTGTGTTTTGGGGAATTTGCTTTCTTTTCTTTTTAGATCGGAAGAGCGGTTCAG
chr17	29486122	29486161	NF1_5965	+	GTGACCTATGCACCAGACGTTGATCTTAAGTAGGCAGGCTTTGTGAATTTGATCTTGAGAAGATCGGAAGAGCGGTTCAG
chr17	29490405	29490444	NF1_5966	+	GTGACCTATGCACCAGACGTAAATCCACATGGGACTACTGAAGTAATATGAATATTAGAAAGATCGGAAGAGCGGTTCAG
chr17	29497026	29497065	NF1_5967	+	GTGACCTATGCACCAGACGTATGTATAATATATCTGAAAAAAATCACTGGGTCAAAAACTAGATCGGAAGAGCGGTTCAG
chr17	29508518	29508557	NF1_5968	+	GTGACCTATGCACCAGACGTACCTCTCTGGTATTAAAATTTTGTTTTTGATGTAAAATTTAGATCGGAAGAGCGGTTCAG
chr17	29508814	29508853	NF1_5969	+	GTGACCTATGCACCAGACGTGATTGATTTTTTTTTTTTTTTTGTCTTTTAAATGCCTACTAGATCGGAAGAGCGGTTCAG
chr17	29509694	29509733	NF1_5970	+	GTGACCTATGCACCAGACGTCAAAATTATTTCCATTATATCTAGATGTGAAGCAGTTTATAGATCGGAAGAGCGGTTCAG
chr17	29527624	29527663	NF1_5971	+	GTGACCTATGCACCAGACGTTATTCTTTCTCTACTACAAACTTTAAGAAAATTAAATGAAAGATCGGAAGAGCGGTTCAG
chr17	29528188	29528227	NF1_5972	+	GTGACCTATGCACCAGACGTTGGTTTTTATCTAACTATATTTACTGATGCTGTTATCCTTAGATCGGAAGAGCGGTTCAG
chr17	29528514	29528553	NF1_5973	+	GTGACCTATGCACCAGACGTAAGGTATTGCTAAATTACTAAAAAAATTTTTTTCTTTCTTAGATCGGAAGAGCGGTTCAG
chr17	29533400	29533439	NF1_5974	+	GTGACCTATGCACCAGACGTTCACGAATTTTGAATCTCACCTCCTTTCTATTGCATTTTTAGATCGGAAGAGCGGTTCAG

chr17	29541614	29541653	NF1_5975	+	GTGACCTATGCACCAGACGTTTTTATGAAATGTCTCAAAATTATCACACTAAGTTAATTGAGATCGGAAGAGCGGTTCAG
chr17	29546147	29546186	NF1_5976	+	GTGACCTATGCACCAGACGTAATGAATTCCATGTTCTTGAAGGAAAGATTGTAACTATGTAGATCGGAAGAGCGGTTCAG
chr17	29549019	29549058	NF1_5977	+	GTGACCTATGCACCAGACGTCTGTAGTACTTAGTACATTGTAAAACTTACACTTCCAAAGAGATCGGAAGAGCGGTTCAG
chr17	29550596	29550635	NF1_5978	+	GTGACCTATGCACCAGACGTTGACATATTTAAAAAATGGAAGAATATTTGGAATGGTAATAGATCGGAAGAGCGGTTCAG
chr17	29552279	29552318	NF1_5979	+	GTGACCTATGCACCAGACGTTCTGTACTTTTTCTGTATCATTTTATGTGCTCTGTTTGTTAGATCGGAAGAGCGGTTCAG
chr17	29553713	29553752	NF1_5980	+	GTGACCTATGCACCAGACGTATAGTGGTTTTTTTTACTCAGTCTGCCTCAAAGCACATGGAGATCGGAAGAGCGGTTCAG
chr17	29554320	29554359	NF1_5981	+	GTGACCTATGCACCAGACGTAGCAACAGAAACACCCCTCCCAGGCGCCCACCCTCAATTTAGATCGGAAGAGCGGTTCAG
chr17	29554635	29554674	NF1_5982	+	GTGACCTATGCACCAGACGTAAAGTTGACTTTTGTCTGTTAACTGATCTGCTAAATATATAGATCGGAAGAGCGGTTCAG
chr17	29556494	29556533	NF1_5983	+	GTGACCTATGCACCAGACGTCTCTTATTTTTCACCTTTCTCTATGAATAGAGTGACTTGTAGATCGGAAGAGCGGTTCAG
chr17	29557003	29557042	NF1_5984	+	GTGACCTATGCACCAGACGTTACTGAAATGTAGCAGAAACATTTTAAGAGATAAGAAAAAAGATCGGAAGAGCGGTTCAG
chr17	29557411	29557450	NF1_5985	+	GTGACCTATGCACCAGACGTAAAAGAGCAATGTAGGGTCTTGTAAATCTTAATATGTCCAAGATCGGAAGAGCGGTTCAG
chr17	29557954	29557993	NF1_5986	+	GTGACCTATGCACCAGACGTAATGACCTTCAAGTATTAGTGGGTTTTACTGTGAGAGTTAAGATCGGAAGAGCGGTTCAG
chr17	29559218	29559257	NF1_5987	+	GTGACCTATGCACCAGACGTGTCACCAAAAAACATAAAGCAAAAAGCAAATAAAGCCCCCAGATCGGAAGAGCGGTTCAG
chr17	29559910	29559949	NF1_5988	+	GTGACCTATGCACCAGACGTATGAAAGTTTCATATAGAAATACAAAACCTAGAGAACTGGAGATCGGAAGAGCGGTTCAG
chr17	29562801	29562840	NF1_5989	+	GTGACCTATGCACCAGACGTTTCATTTTGTGTGTATGTGTGTGCTGAGGTATGTCAAGTAAGATCGGAAGAGCGGTTCAG
chr17	29563050	29563089	NF1_5990	+	GTGACCTATGCACCAGACGTTTTTCACATAGAACCGCTGTTTTTTGTTTTTTTTTTTTTGAGATCGGAAGAGCGGTTCAG
chr17	29576148	29576187	NF1_5991	+	GTGACCTATGCACCAGACGTAGTTAGAGATTACCATTATTAATCTAAAGTTAAATTATGAAGATCGGAAGAGCGGTTCAG
chr17	29580029	29580068	NF1_5992	+	GTGACCTATGCACCAGACGTAGAACTTTTTATTAGCTGTTTCTTTCAAAGCAAAACAAAAAGATCGGAAGAGCGGTTCAG
chr17	29585531	29585570	NF1_5993	+	GTGACCTATGCACCAGACGTTTGATAATCTAGCTATCTTAAATTCCCCTTCCAACTAAATAGATCGGAAGAGCGGTTCAG
chr17	29586158	29586197	NF1_5994	+	GTGACCTATGCACCAGACGTTGCCACTTACTCAGTTGCTCTGTTTGAATCAAATATTTTCAGATCGGAAGAGCGGTTCAG
chr17	29587544	29587583	NF1_5995	+	GTGACCTATGCACCAGACGTCCAGTCATGGGGATAGTGAACACTCTCCGTTTAAATTTAGAGATCGGAAGAGCGGTTCAG
chr17	29588886	29588925	NF1_5996	+	GTGACCTATGCACCAGACGTACCTTGAAATAGTTGATTGCTTTCTTTTTGGTTGAGAAGGAGATCGGAAGAGCGGTTCAG
chr17	29592368	29592407	NF1_5997	+	GTGACCTATGCACCAGACGTCTATGTTTTGGGTCTCTTAACAGAATTTTTTAAATTATAGAGATCGGAAGAGCGGTTCAG
chr17	29653281	29653320	NF1_5998	+	GTGACCTATGCACCAGACGTGTCTGTGTTTTGTAAACGATTCATTGCTTTTCTTGACTAAAGATCGGAAGAGCGGTTCAG
chr17	29654868	29654907	NF1_5999	+	GTGACCTATGCACCAGACGTTAAAATTCTCTTCAGTTTGATTTGGGGTTTGTTGCTTTTAAGATCGGAAGAGCGGTTCAG
chr17	29657527	29657566	NF1_6000	+	GTGACCTATGCACCAGACGTATAATTTTCTTTAATACTAACAATTATTCTAAGAGAATTCAGATCGGAAGAGCGGTTCAG
chr17	29663502	29663541	NF1_6001	+	GTGACCTATGCACCAGACGTTTCTTTTGCCTTCTGTACTATAGCATATCTGTTTTATCATAGATCGGAAGAGCGGTTCAG
chr17	29663943	29663982	NF1_6002	+	GTGACCTATGCACCAGACGTGGAAAGGAATTTGTGTTTACCAGTTCCTTTCTCCATTTTAAGATCGGAAGAGCGGTTCAG
chr17	29664611	29664650	NF1_6003	+	GTGACCTATGCACCAGACGTCAAAATGATAAGAAACTAAGTTAAAATCTTTTTTTAAAAAAGATCGGAAGAGCGGTTCAG
chr17	29664909	29664948	NF1_6004	+	GTGACCTATGCACCAGACGTAATTAAATATAAGTTGTAAAAATATGCATATTGTTGAAAAAGATCGGAAGAGCGGTTCAG
chr17	29665168	29665207	NF1_6005	+	GTGACCTATGCACCAGACGTCGCCCTCACTTCTCCCAAATATTTATGGTTCTCAAGTTGTAGATCGGAAGAGCGGTTCAG
chr17	29665834	29665873	NF1_6006	+	GTGACCTATGCACCAGACGTTATAGAAAATGAGTGCATTCATTTTGGGTATCAGTGTTGAAGATCGGAAGAGCGGTTCAG
chr17	29667674	29667713	NF1_6007	+	GTGACCTATGCACCAGACGTTTTGCCTTGAGGTTCCTAGATTACTCAAATTTAGTACTCTAGATCGGAAGAGCGGTTCAG
chr17	29670164	29670203	NF1_6008	+	GTGACCTATGCACCAGACGTCTTATTTAGAATATTTTTATGAAGTACTATTAAGAAACCAAGATCGGAAGAGCGGTTCAG
chr17	29676280	29676319	NF1_6009	+	GTGACCTATGCACCAGACGTAAAATAAACAAAATTAATCTTGCTACATCTATATATAAGGAGATCGGAAGAGCGGTTCAG
chr17	29677347	29677386	NF1_6010	+	GTGACCTATGCACCAGACGTTTACTCTCCTATAATTACATAATCATAATCAAGTTTCAATAGATCGGAAGAGCGGTTCAG
chr17	29683611	29683650	NF1_6011	+	GTGACCTATGCACCAGACGTAAGTATTGATCTAGATCATTGAAAATAAGGTGGGAGAGTAAGATCGGAAGAGCGGTTCAG
chr17	29684119	29684158	NF1_6012	+	GTGACCTATGCACCAGACGTCCCCTTTTTGAGTCCCCCACCCTCAAATTTTTATTCCAGTAGATCGGAAGAGCGGTTCAG
chr17	29684398	29684437	NF1_6013	+	GTGACCTATGCACCAGACGTCCTTTTGATTTTAATTCACCTTCGTGCCTGTCTTTAAGTTAGATCGGAAGAGCGGTTCAG
chr17	29685651	29685690	NF1_6014	+	GTGACCTATGCACCAGACGTGTATCTGGAGAAGGATGGTTGATGAACTTGCTAACATGCGAGATCGGAAGAGCGGTTCAG
chr17	29686044	29686083	NF1_6015	+	GTGACCTATGCACCAGACGTATATTTTTCTCTAACTTTTGGCAAAATGAAGGTTTCTGTTAGATCGGAAGAGCGGTTCAG
chr17	29687732	29687771	NF1_6016	+	GTGACCTATGCACCAGACGTGTGATCTTTATATGACTTTGAGCAACAATATAAGACACCAAGATCGGAAGAGCGGTTCAG
chr17	29701184	29701223	NF1_6017	+	GTGACCTATGCACCAGACGTCTTTCTTTTTTAAAATCAACTTAACATGGGCTCTTCACTAAGATCGGAAGAGCGGTTCAG
chr7	116340349	116340388	MET_6018	+	GTGACCTATGCACCAGACGTTCAGTTCCCCACTTATAAACTGTGAGGTATAAATTAGAAAAGATCGGAAGAGCGGTTCAG
chr7	116371924	116371963	MET_6019	+	GTGACCTATGCACCAGACGTTCTGAGAGTAGCTGTGTCTGTTCTATCTGGTATTGTGCAAAGATCGGAAGAGCGGTTCAG
chr7	116380149	116380188	MET_6020	+	GTGACCTATGCACCAGACGTCCCACAGGGAATTTCCATAGACGTGGTTTTTCCCAAATGCAGATCGGAAGAGCGGTTCAG
chr7	116395580	116395619	MET_6021	+	GTGACCTATGCACCAGACGTTAAAATGCTTTGCTGGGGTGTGCTTGGAAAATAGGTTTTGAGATCGGAAGAGCGGTTCAG
chr7	116397604	116397643	MET_6022	+	GTGACCTATGCACCAGACGTTTCTATCCTATCATGTTTGATTTTTACTTAATCTATTTAAAGATCGGAAGAGCGGTTCAG
chr7	116397839	116397878	MET_6023	+	GTGACCTATGCACCAGACGTTTTATTTTTTGTTGCATCTGTCAATTTGAATTAATATCTGAGATCGGAAGAGCGGTTCAG
chr7	116398685	116398724	MET_6024	+	GTGACCTATGCACCAGACGTGCTTCTGATGGGTATAAGAAAACAATGAATACAAGGATGAAGATCGGAAGAGCGGTTCAG
chr7	116399555	116399594	MET_6025	+	GTGACCTATGCACCAGACGTTGAGCAATGGTTCTACTCAGAGCTCTGCATCTTTGCCTCTAGATCGGAAGAGCGGTTCAG
chr7	116403333	116403372	MET_6026	+	GTGACCTATGCACCAGACGTCTTTAAACACTGTCTTAAATCATCAGCTCAAACTTAATTGAGATCGGAAGAGCGGTTCAG
chr7	116409856	116409895	MET_6027	+	GTGACCTATGCACCAGACGTTGCATTCCTCTCATGATGTAAATAAGGAAGCCAGTGTAATAGATCGGAAGAGCGGTTCAG
chr7	116411719	116411758	MET_6028	+	GTGACCTATGCACCAGACGTGTTACTGTTCATTTTTAGAAGTTACCTTAAGAACACAGTCAGATCGGAAGAGCGGTTCAG
chr7	116412054	116412093	MET_6029	+	GTGACCTATGCACCAGACGTGTTTATTGTTCTGAGAAATACCTATACATATACCTCAGTGAGATCGGAAGAGCGGTTCAG
chr7	116415176	116415215	MET_6030	+	GTGACCTATGCACCAGACGTCCACTCAGCTTTTTGTTAAATACGATTTTCCAGTAAGCATAGATCGGAAGAGCGGTTCAG
chr7	116417534	116417573	MET_6031	+	GTGACCTATGCACCAGACGTTTTTATTTAACCATGGAGTATACTTTTGTGGTTTGCAACCAGATCGGAAGAGCGGTTCAG
chr7	116419022	116419061	MET_6032	+	GTGACCTATGCACCAGACGTTGCCAAGCTTACTAACTGGCAAACTAGCTGTAAGCCAGCCAGATCGGAAGAGCGGTTCAG

chr7	116422162	116422201	MET_6033	+	GTGACCTATGCACCAGACGTGAATCTCTGTGCCACAATCCAAATTAAGTGACAAGGAGGAAGATCGGAAGAGCGGTTCAG
chr7	116423534	116423573	MET_6034	+	GTGACCTATGCACCAGACGTGGTTATCTCTGAGTTTCTCCTCTTTTACTTTCATATCCAAAGATCGGAAGAGCGGTTCAG
chr7	116435856	116435895	MET_6035	+	GTGACCTATGCACCAGACGTTTTCTGTACCTCTTACGTTCTTTACTTTTACAGAAATGCCAGATCGGAAGAGCGGTTCAG
chr7	116436189	116436228	MET_6036	+	GTGACCTATGCACCAGACGTATGTCAAAGCAACAGTCCACACTTTGTCCAATGGTTTTTTAGATCGGAAGAGCGGTTCAG
chr7	116339549	116339588	MET_6037	+	GTGACCTATGCACCAGACGTCAGAGGGACCTGCCAGCGACATGTCTTTCCCCACAATCATAGATCGGAAGAGCGGTTCAG
chr7	116339949	116339988	MET_6038	+	GTGACCTATGCACCAGACGTGCTCAGACTTTTCACACAAGAATAATCAGGTTCTGTTCCAAGATCGGAAGAGCGGTTCAG
chr12	58142411	58142450	CDK4_6039	+	GTGACCTATGCACCAGACGTAGGCAAAGGTCAGAAAACCATGAAGAAAACAGACTTCTGCAGATCGGAAGAGCGGTTCAG
chr12	58143111	58143150	CDK4_6040	+	GTGACCTATGCACCAGACGTCAGGAGAACTCTGGTCAGGAGGGTCCTCCAGTTCCCATCCAGATCGGAAGAGCGGTTCAG
chr12	58143298	58143337	CDK4_6041	+	GTGACCTATGCACCAGACGTAAGGGATATAAGGTAGCAGTCATTTTCAAAGATATCTTAGAGATCGGAAGAGCGGTTCAG
chr12	58144559	58144598	CDK4_6042	+	GTGACCTATGCACCAGACGTTAGGAAGAATGGATGGGGACCCCATGGGTTACCATGAAACAGATCGGAAGAGCGGTTCAG
chr12	58144884	58144923	CDK4_6043	+	GTGACCTATGCACCAGACGTAGGGGAGGTACAGATGCACTGGAAACTAGGCACCATACCTAGATCGGAAGAGCGGTTCAG
chr12	58145136	58145175	CDK4_6044	+	GTGACCTATGCACCAGACGTTAAATGCTCACTTTTCAATCCCCTTTAACCCAACATGGCCAGATCGGAAGAGCGGTTCAG
chr12	58145511	58145550	CDK4_6045	+	GTGACCTATGCACCAGACGTAGGGAGACCCTACAATCACAGACTCCTATCACCAAAAGTCAGATCGGAAGAGCGGTTCAG
chr11	108098434	108098473	ATM_6046	+	GTGACCTATGCACCAGACGTACTTAAATTCAATTTTTCCTTGAAATAAGTGTGATTAGTAAGATCGGAAGAGCGGTTCAG
chr11	108098626	108098665	ATM_6047	+	GTGACCTATGCACCAGACGTCAAATTTATTTTACTGTCTTTATTTTTCTCTTTCATATTTAGATCGGAAGAGCGGTTCAG
chr11	108100061	108100100	ATM_6048	+	GTGACCTATGCACCAGACGTTTATAAATTATAAATAAATGGCTTAACAGATTACTGTCGCAGATCGGAAGAGCGGTTCAG
chr11	108106572	108106611	ATM_6049	+	GTGACCTATGCACCAGACGTAAGGTTGTTGTTTGTGAATTTTTCCTCATGAAATGAAACTAGATCGGAAGAGCGGTTCAG
chr11	108114856	108114895	ATM_6050	+	GTGACCTATGCACCAGACGTCTCTTTTTCTTTTGTTTTGTATTGAAATACTTTTGATCTTAGATCGGAAGAGCGGTTCAG
chr11	108115764	108115803	ATM_6051	+	GTGACCTATGCACCAGACGTAATGTTTACTGTTTTGAATTTGCTTCTTCATTCAAACATAAGATCGGAAGAGCGGTTCAG
chr11	108117865	108117904	ATM_6052	+	GTGACCTATGCACCAGACGTTAGGTCATGTCACATTTAGAAATTTCCTGTTAATTTTTTTAGATCGGAAGAGCGGTTCAG
chr11	108119840	108119879	ATM_6053	+	GTGACCTATGCACCAGACGTACCATTTTCTCATTCAGTGTCATTTTAATCTCTTGTATGTAGATCGGAAGAGCGGTTCAG
chr11	108122769	108122808	ATM_6054	+	GTGACCTATGCACCAGACGTTTCATTAGCATGCTGCTGTTTTTTTTGTTTGTTTTATCAGAGATCGGAAGAGCGGTTCAG
chr11	108123650	108123689	ATM_6055	+	GTGACCTATGCACCAGACGTTAATAATGCTCTTTATCATTTTAAGCTATAGCTTTAATTAAGATCGGAAGAGCGGTTCAG
chr11	108124777	108124816	ATM_6056	+	GTGACCTATGCACCAGACGTTTAAAAAAAGAACTAAGCTTATATATGATTCAACTTTGGTAGATCGGAAGAGCGGTTCAG
chr11	108127078	108127117	ATM_6057	+	GTGACCTATGCACCAGACGTTTATACTAATAAAGTTTCGGATAAATTTGAATGAAATGTAAGATCGGAAGAGCGGTTCAG
chr11	108138080	108138119	ATM_6058	+	GTGACCTATGCACCAGACGTATTTACTACTTGGGATTTCTTTTACTTCTTTATATTGATTAGATCGGAAGAGCGGTTCAG
chr11	108139347	108139386	ATM_6059	+	GTGACCTATGCACCAGACGTTTAAATGAAGAAGCTCTTGGATTTTATCTGATGTTGCTGAAGATCGGAAGAGCGGTTCAG
chr11	108141884	108141923	ATM_6060	+	GTGACCTATGCACCAGACGTAAAACCTTATGTTATGTTCACTTTAAAGTTATAAAATAACAGATCGGAAGAGCGGTTCAG
chr11	108142144	108142183	ATM_6061	+	GTGACCTATGCACCAGACGTTCTATTTTGTGGTCCTATTTTTCTTTTGCTATCTGTGGATAGATCGGAAGAGCGGTTCAG
chr11	108143345	108143384	ATM_6062	+	GTGACCTATGCACCAGACGTGCATTTTTTTAGTAAGATCTCCATTGAAAATTTTAAAGCAAGATCGGAAGAGCGGTTCAG
chr11	108143590	108143629	ATM_6063	+	GTGACCTATGCACCAGACGTAAATATTCATGAAGTATTTGGAATGCTGCAGATGGCAGTAAGATCGGAAGAGCGGTTCAG
chr11	108150346	108150385	ATM_6064	+	GTGACCTATGCACCAGACGTGTAACATGTATTTGCTGTTATCATATGCTTGCTATGAATAAGATCGGAAGAGCGGTTCAG
chr11	108151906	108151945	ATM_6065	+	GTGACCTATGCACCAGACGTATGAGTATTTTATTAGAAGCTTCCTTAGGTCACTGTGAAAAGATCGGAAGAGCGGTTCAG
chr11	108153617	108153656	ATM_6066	+	GTGACCTATGCACCAGACGTACATGACATATGTGAAATTTGTTTAATTTAAAATTAGTTAAGATCGGAAGAGCGGTTCAG
chr11	108155211	108155250	ATM_6067	+	GTGACCTATGCACCAGACGTAATTTTTATGTACTTTTCATTCCCTGAATGATATGAGATAAGATCGGAAGAGCGGTTCAG
chr11	108158453	108158492	ATM_6068	+	GTGACCTATGCACCAGACGTTTTAAACTTAGAGAACTAGCTCTAACTTCACAAGTTTTTAAGATCGGAAGAGCGGTTCAG
chr11	108159841	108159880	ATM_6069	+	GTGACCTATGCACCAGACGTATGATGAGTTTAATAATAGAACATTCCTTCTTTTTTAGCTAGATCGGAAGAGCGGTTCAG
chr11	108160539	108160578	ATM_6070	+	GTGACCTATGCACCAGACGTTATTTAGACCAATATATAAGCAGTCTTTCTATCCTGTTCTAGATCGGAAGAGCGGTTCAG
chr11	108163531	108163570	ATM_6071	+	GTGACCTATGCACCAGACGTGACTCATCTTCAAAATGGTATTTAAAATATATAAAGTATTAGATCGGAAGAGCGGTTCAG
chr11	108164215	108164254	ATM_6072	+	GTGACCTATGCACCAGACGTTTTCATCATCTACTATTTTTTATTAGAGAACATAGTAGTAAGATCGGAAGAGCGGTTCAG
chr11	108165797	108165836	ATM_6073	+	GTGACCTATGCACCAGACGTTAAATGACATGGGCTATTTCTACCTGTTTCTTTTTGAAAGAGATCGGAAGAGCGGTTCAG
chr11	108170623	108170662	ATM_6074	+	GTGACCTATGCACCAGACGTATTGATACCTTATATGTAATCTCAATATGACATTCATGGAAGATCGGAAGAGCGGTTCAG
chr11	108172527	108172566	ATM_6075	+	GTGACCTATGCACCAGACGTTAATAAATGTTTATTGAATACCCAGCATATCTAAAACAGTAGATCGGAAGAGCGGTTCAG
chr11	108173767	108173806	ATM_6076	+	GTGACCTATGCACCAGACGTTAATTAGTCTGATATAATTCCTTGTTTATGACCTGTTTATAGATCGGAAGAGCGGTTCAG
chr11	108175590	108175629	ATM_6077	+	GTGACCTATGCACCAGACGTAAATTTTTAACATTAATACTGTAAACTCAGTTCTAGAGAAAGATCGGAAGAGCGGTTCAG
chr11	108178722	108178761	ATM_6078	+	GTGACCTATGCACCAGACGTGAGTGTTGCTTCTTACGTTTAGGATCTAGAGTGTAACTTGAGATCGGAAGAGCGGTTCAG
chr11	108181053	108181092	ATM_6079	+	GTGACCTATGCACCAGACGTTTAGAATTTTTGGTTTTTAAAATTAATGTTGGCATTGTCTAGATCGGAAGAGCGGTTCAG
chr11	108183236	108183275	ATM_6080	+	GTGACCTATGCACCAGACGTGAGGCTCTATTATTTATGACAGTATTTATCTCATACTTTGAGATCGGAAGAGCGGTTCAG
chr11	108186649	108186688	ATM_6081	+	GTGACCTATGCACCAGACGTTTTTTCTAAACAACGGTATAGTAATTCTGTTTATGAAGGAAGATCGGAAGAGCGGTTCAG
chr11	108186851	108186890	ATM_6082	+	GTGACCTATGCACCAGACGTTCCCAGATTTGGTAAAGCCATCACTAGTGTAGTGCTGAGGAGATCGGAAGAGCGGTTCAG
chr11	108188259	108188298	ATM_6083	+	GTGACCTATGCACCAGACGTTGACTTGATTTTTTTTTTTTTGCCTCTCTCCTCATTCTAAAGATCGGAAGAGCGGTTCAG
chr11	108190796	108190835	ATM_6084	+	GTGACCTATGCACCAGACGTAAGACAAAGTTACTGTATTTTAACATTTAATGTCATGGCTAGATCGGAAGAGCGGTTCAG
chr11	108192158	108192197	ATM_6085	+	GTGACCTATGCACCAGACGTCGTATGACTTTGTTATCCTAAAGTGCAGCTTTTCTGTTACAGATCGGAAGAGCGGTTCAG
chr11	108196282	108196321	ATM_6086	+	GTGACCTATGCACCAGACGTTTTAAAACTATGTCATCTTACCTCTTGACTTTCCTTTTATAGATCGGAAGAGCGGTTCAG
chr11	108196963	108197002	ATM_6087	+	GTGACCTATGCACCAGACGTTTTATTGGCTGGATTAGTGTTTTACTGTTATTTAAAAAAAAGATCGGAAGAGCGGTTCAG
chr11	108198496	108198535	ATM_6088	+	GTGACCTATGCACCAGACGTTGGAGCAACCCTTAAGATAGTTACTTAGCATGAATATGCTAGATCGGAAGAGCGGTTCAG
chr11	108199976	108200015	ATM_6089	+	GTGACCTATGCACCAGACGTTTCTACAAGTGACAATTTTATGTTCACCAGTTAACTGAGTAGATCGGAAGAGCGGTTCAG
chr11	108202775	108202814	ATM_6090	+	GTGACCTATGCACCAGACGTTAAACATACGTACCTTTTAGAAGTGTGATATTCAGTCTTTAGATCGGAAGAGCGGTTCAG

chr11	108203638	108203677	ATM_6091	+	GTGACCTATGCACCAGACGTTTTAAAGAAGAAACGTTACTTTCTTGCTGTGTTACTCTCTAGATCGGAAGAGCGGTTCAG
chr11	108205847	108205886	ATM_6092	+	GTGACCTATGCACCAGACGTCCTTCTCTGGCTTAGCCCTTAGAGTTTTAGTGATGAAAATAGATCGGAAGAGCGGTTCAG
chr11	108206699	108206738	ATM_6093	+	GTGACCTATGCACCAGACGTGTACTTCTGTTAGTTCACCAAAAACATATAAAAGATGCCAAGATCGGAAGAGCGGTTCAG
chr11	108214109	108214148	ATM_6094	+	GTGACCTATGCACCAGACGTCCCAAAATTAAAGGTTATTGTAAGATTATTTAATGGCTTAAGATCGGAAGAGCGGTTCAG
chr11	108216646	108216685	ATM_6095	+	GTGACCTATGCACCAGACGTTGTACATATAGTAGATTGAGCACTTTGTTGTTTGGCAGGTAGATCGGAAGAGCGGTTCAG
chr11	108218103	108218142	ATM_6096	+	GTGACCTATGCACCAGACGTAAATCTATGTATCTATTCTTTTTAGTAAATATTTGGTCATAGATCGGAAGAGCGGTTCAG
chr11	108224618	108224657	ATM_6097	+	GTGACCTATGCACCAGACGTTGAAGTAAAGGAGGGAAATAATTTTTGATGTCAAAATTACAGATCGGAAGAGCGGTTCAG
chr11	108225612	108225651	ATM_6098	+	GTGACCTATGCACCAGACGTTTATAAGGAAGACTTTATTTTTTTTCTTACCAGGTAGACTAGATCGGAAGAGCGGTTCAG
chr11	108235956	108235995	ATM_6099	+	GTGACCTATGCACCAGACGTTTTTAAGAAGGTCCTGTTGTCAGTTTTTCAGATTTTCTTAAGATCGGAAGAGCGGTTCAG
chr11	108236246	108236285	ATM_6100	+	GTGACCTATGCACCAGACGTATGAATTACCCTTTCATTCAGCCTTTAGAAATTATATTTTAGATCGGAAGAGCGGTTCAG
chr4	55124995	55125034	PDGFRA_6101	+	GTGACCTATGCACCAGACGTCAGTCCTCTCTGAGTTCCTTGTTTGGGTGTCTTGTTTTTTAGATCGGAAGAGCGGTTCAG
chr4	55127590	55127629	PDGFRA_6102	+	GTGACCTATGCACCAGACGTTGGGTCTCCAGGACCAAGCTTCTTCTCTTCCTGTCTCTCCAGATCGGAAGAGCGGTTCAG
chr4	55130105	55130144	PDGFRA_6103	+	GTGACCTATGCACCAGACGTCATCTCCTTCCTTCTTTAAATAAGAGTAACAGGCAAAATCAGATCGGAAGAGCGGTTCAG
chr4	55133638	55133677	PDGFRA_6104	+	GTGACCTATGCACCAGACGTCTTTCTAAAATGTCAGTTGTCCATGCTGCTCGGGATCCATAGATCGGAAGAGCGGTTCAG
chr4	55133919	55133958	PDGFRA_6105	+	GTGACCTATGCACCAGACGTTCTCTGCCCAAGTATGCCTTTTTTTAGTGTGCATCAGAGGAGATCGGAAGAGCGGTTCAG
chr4	55136926	55136965	PDGFRA_6106	+	GTGACCTATGCACCAGACGTGGAGTATAAAGATAATGCTAGCTCTGTAGATGAGTGTCTTAGATCGGAAGAGCGGTTCAG
chr4	55138698	55138737	PDGFRA_6107	+	GTGACCTATGCACCAGACGTCAGATGTGTCTTCTTCTTTCGTGGTCAGAATATTTCTCCCAGATCGGAAGAGCGGTTCAG
chr4	55139908	55139947	PDGFRA_6108	+	GTGACCTATGCACCAGACGTCAACAGTCAGGACAACTCATCAGCTGAGCCGCATCTGCCCAGATCGGAAGAGCGGTTCAG
chr4	55140803	55140842	PDGFRA_6109	+	GTGACCTATGCACCAGACGTTCTCATAAAACTAAAGATCTTTGAAGCCAATGAGAACAAGAGATCGGAAGAGCGGTTCAG
chr4	55141151	55141190	PDGFRA_6110	+	GTGACCTATGCACCAGACGTTGGGGTAACCTCCCAAGACTCCCTTTTCCCTTGCACACAAAGATCGGAAGAGCGGTTCAG
chr4	55143670	55143709	PDGFRA_6111	+	GTGACCTATGCACCAGACGTCTTCCTGGGGATTTTTTGAGCACGGGGATTTTTTGAGCATAGATCGGAAGAGCGGTTCAG
chr4	55144184	55144223	PDGFRA_6112	+	GTGACCTATGCACCAGACGTTGACCTGGAGTGAGGATTTTCACTGGACACATGTGGTTGTAGATCGGAAGAGCGGTTCAG
chr4	55144693	55144732	PDGFRA_6113	+	GTGACCTATGCACCAGACGTAGAGAGATGTTGCTGTCTATCATTATCTTACAGGCATCACAGATCGGAAGAGCGGTTCAG
chr4	55151664	55151703	PDGFRA_6114	+	GTGACCTATGCACCAGACGTGGAACACAGACCTTTTTAGACCCAGATTTCAGTGAGTGGAAGATCGGAAGAGCGGTTCAG
chr4	55152141	55152180	PDGFRA_6115	+	GTGACCTATGCACCAGACGTACTTCCCTCACTGGTCAGGCTCATCCTCCTTCACTTTAATAGATCGGAAGAGCGGTTCAG
chr4	55153719	55153758	PDGFRA_6116	+	GTGACCTATGCACCAGACGTGACATTGCTGCTTATTTGGGCTGTTCTGAAACACCACTGGAGATCGGAAGAGCGGTTCAG
chr4	55155076	55155115	PDGFRA_6117	+	GTGACCTATGCACCAGACGTTCCCCATCCCGGGGGCCTGTGTTCACAGTCTGTGGGTCTAAGATCGGAAGAGCGGTTCAG
chr4	55155292	55155331	PDGFRA_6118	+	GTGACCTATGCACCAGACGTATCTGTGGGTGGAAAGGTCTGGATAAAGCTGGAAGTTATAAGATCGGAAGAGCGGTTCAG
chr4	55156732	55156771	PDGFRA_6119	+	GTGACCTATGCACCAGACGTGGGCAGCCTCGGTGTCTCACCTTTCCCCTCCCCTATAGGCAGATCGGAAGAGCGGTTCAG
chr4	55161450	55161489	PDGFRA_6120	+	GTGACCTATGCACCAGACGTCGAGGGGTTCCTTCCACTTCTGGGGCCACCTCTGGATCCCAGATCGGAAGAGCGGTTCAG
chr12	69202282	69202321	MDM2_6121	+	GTGACCTATGCACCAGACGTGGCAGCGAGCGGTCACTTTTGGGTCTGGGCTCTGACGGTGAGATCGGAAGAGCGGTTCAG
chr12	69203083	69203122	MDM2_6122	+	GTGACCTATGCACCAGACGTTTGTCTCGTGTAACTTTTAAGAATAATTTATTTTATGAAGAGATCGGAAGAGCGGTTCAG
chr12	69207419	69207458	MDM2_6123	+	GTGACCTATGCACCAGACGTTCAAGAGATAAGTAGTATCTCACTAGTTACATGTAGCCATAGATCGGAAGAGCGGTTCAG
chr12	69210736	69210775	MDM2_6124	+	GTGACCTATGCACCAGACGTAGTTTAGTCCATTGTAAAAAGCCATCTGGGCTAACATTTCAGATCGGAAGAGCGGTTCAG
chr12	69214165	69214204	MDM2_6125	+	GTGACCTATGCACCAGACGTTTTGAGCATCATGGATAAATACCATAAAAACGTTTTAAAGAGATCGGAAGAGCGGTTCAG
chr12	69218221	69218260	MDM2_6126	+	GTGACCTATGCACCAGACGTTAAATTTCTCATTCTAATGTAATATTATTTGCAAATTGGAAGATCGGAAGAGCGGTTCAG
chr12	69218442	69218481	MDM2_6127	+	GTGACCTATGCACCAGACGTATATTTATTTGACGCATTCACACAGCTTTTTGATATTCTTAGATCGGAAGAGCGGTTCAG
chr12	69222722	69222761	MDM2_6128	+	GTGACCTATGCACCAGACGTCATTTTAAGTAAGGCAAGACTCTTACTGTTCAAAGTCTAGAGATCGGAAGAGCGGTTCAG
chr12	69229775	69229814	MDM2_6129	+	GTGACCTATGCACCAGACGTTTTTCCCCTCTAATTATATTGGAAAATTATTAAATATTTTAGATCGGAAGAGCGGTTCAG
chr12	69230540	69230579	MDM2_6130	+	GTGACCTATGCACCAGACGTATCTACTTTTTTAAGAAATAAAAATTTCATTAAGGTCAAGAGATCGGAAGAGCGGTTCAG
chr12	69233640	69233679	MDM2_6131	+	GTGACCTATGCACCAGACGTTATAAGAGAATTATATATTTCTAACTATATAACCCTAGGAAGATCGGAAGAGCGGTTCAG
chr12	69233352	69233391	MDM2_6132	+	GTGACCTATGCACCAGACGTCTAGTAGCATTATTTATAGCAGCCAAGAAGATGTGAAAGAAGATCGGAAGAGCGGTTCAG
chr5	112090733	112090772	APC_6133	+	GTGACCTATGCACCAGACGTTGTGACTTTTAATTGTAGTTTATCCATTTTTATTCAGTATAGATCGGAAGAGCGGTTCAG
chr5	112102118	112102157	APC_6134	+	GTGACCTATGCACCAGACGTAAAAGGTGTTTTAAAATAATTTTTTAAGCTCAAATTGTCAAGATCGGAAGAGCGGTTCAG
chr5	112103098	112103137	APC_6135	+	GTGACCTATGCACCAGACGTTTCATATAGTAAACATTGCCTTGTGTACTCCAGTTTATTGAGATCGGAAGAGCGGTTCAG
chr5	112111445	112111484	APC_6136	+	GTGACCTATGCACCAGACGTTGGCAGTACAACTTATTTGAAACTTTAATAACTTGATATTAGATCGGAAGAGCGGTTCAG
chr5	112116611	112116650	APC_6137	+	GTGACCTATGCACCAGACGTTGTTTCTAAGTGATAAAACAGCGAAGAGCTATTAGGAATAAGATCGGAAGAGCGGTTCAG
chr5	112128237	112128276	APC_6138	+	GTGACCTATGCACCAGACGTTGCCTTTCTTGTTTGTGGGTATAAAAATAGGTAGTTATTCAGATCGGAAGAGCGGTTCAG
chr5	112151301	112151340	APC_6139	+	GTGACCTATGCACCAGACGTATTACAAACCCTGGTCACTAATGCCATGACTACTTTGCTAAGATCGGAAGAGCGGTTCAG
chr5	112155052	112155091	APC_6140	+	GTGACCTATGCACCAGACGTTATAGTGTACATCGTAGTGCATGTTTCAAAGCAAATGTGAAGATCGGAAGAGCGGTTCAG
chr5	112157699	112157738	APC_6141	+	GTGACCTATGCACCAGACGTAATGTTTTTTAATGACATAGACAATTACTGGTGGATTTTTAGATCGGAAGAGCGGTTCAG
chr5	112162955	112162994	APC_6142	+	GTGACCTATGCACCAGACGTATAACATGTATTTCTTAAGATAGCTCAGGTATGAGTTAATAGATCGGAAGAGCGGTTCAG
chr5	112164680	112164719	APC_6143	+	GTGACCTATGCACCAGACGTAAACATTTAGTACTATAATATGAATTTCATGTTTGGCTTTAGATCGGAAGAGCGGTTCAG
chr5	112170873	112170912	APC_6144	+	GTGACCTATGCACCAGACGTAGTTTTATATTACTTTTAAAGTACAGAATTCATACTCTCAAGATCGGAAGAGCGGTTCAG
chr5	112179834	112179873	APC_6145	+	GTGACCTATGCACCAGACGTGAATGAAACTAAGAAAATTCTATGTTAATTACAACTGCTAAGATCGGAAGAGCGGTTCAG
chr5	112173730	112173769	APC_6146	+	GTGACCTATGCACCAGACGTTTTTAATACTGGCAACATGACTGTCCTTTCACCATATTTGAGATCGGAAGAGCGGTTCAG
chr5	112174200	112174239	APC_6147	+	GTGACCTATGCACCAGACGTGTGATGGTTATGGTAAAAGAGGTCAAATGAAACCCTCGATAGATCGGAAGAGCGGTTCAG
chr5	112174670	112174709	APC_6148	+	GTGACCTATGCACCAGACGTCAGTCTTTGTGTCAAGAAGATGACTATGAAGATGATAAGCAGATCGGAAGAGCGGTTCAG

chr5	112175140	112175179	APC_6149	+	GTGACCTATGCACCAGACGTTGAAGATGAAATAGGATGTAATCAGACGACACAGGAAGCAAGATCGGAAGAGCGGTTCAG
chr5	112175610	112175649	APC_6150	+	GTGACCTATGCACCAGACGTCACCACCTCCTCAAACAGCTCAAACCAAGCGAGAAGTACCAGATCGGAAGAGCGGTTCAG
chr5	112176080	112176119	APC_6151	+	GTGACCTATGCACCAGACGTACTGCTTCAAAATTACCTCCACCTGTGGCAAGGAAACCAAAGATCGGAAGAGCGGTTCAG
chr5	112176550	112176589	APC_6152	+	GTGACCTATGCACCAGACGTATCTGCGTCTTCTTCTGCACCCAACAAAAATCAGTTAGATAGATCGGAAGAGCGGTTCAG
chr5	112177020	112177059	APC_6153	+	GTGACCTATGCACCAGACGTCACAAGCTATTGCAAAGCAGCCAATAAATCGAGGTCAGCCAGATCGGAAGAGCGGTTCAG
chr5	112177490	112177529	APC_6154	+	GTGACCTATGCACCAGACGTAATATGGGTGGCATATTAGGTGAAGATCTGACACTTGATTAGATCGGAAGAGCGGTTCAG
chr5	112177960	112177999	APC_6155	+	GTGACCTATGCACCAGACGTAATCTCTCGAGGCAGGACAATGATTCATATTCCAGGAGTTAGATCGGAAGAGCGGTTCAG
chr5	112178430	112178469	APC_6156	+	GTGACCTATGCACCAGACGTAACAAACAGGTTTATCCAAGAATGCCAGTAGTATTCCAAGAGATCGGAAGAGCGGTTCAG
chr5	112178900	112178939	APC_6157	+	GTGACCTATGCACCAGACGTTCTAGACTTCCAATCAATAGGTCAGGAACCTGGAAACGTGAGATCGGAAGAGCGGTTCAG
chr5	112179370	112179409	APC_6158	+	GTGACCTATGCACCAGACGTCATTAAAGATTCAAAAGATAATCAGGCAAAACAAAATGTGAGATCGGAAGAGCGGTTCAG
chr22	41489113	41489152	EP300_6159	+	GTGACCTATGCACCAGACGTGCAGCCCCGGCCTTCCACGTTCCCTTTAATCTTTTCTACTAGATCGGAAGAGCGGTTCAG
chr22	41513836	41513875	EP300_6160	+	GTGACCTATGCACCAGACGTTTTTGGTTTGTGTGCACAATCGGCATGCATGTGAGTATTGAGATCGGAAGAGCGGTTCAG
chr22	41522055	41522094	EP300_6161	+	GTGACCTATGCACCAGACGTATCCATTACAGACTTGTTTTCAAACTGGCATTTTGACAAAAGATCGGAAGAGCGGTTCAG
chr22	41523763	41523802	EP300_6162	+	GTGACCTATGCACCAGACGTCCACAGGGTTACTGTACTTAGCAATTTTTACAGCCAGGGAAGATCGGAAGAGCGGTTCAG
chr22	41526018	41526057	EP300_6163	+	GTGACCTATGCACCAGACGTAAATCTTTTGAAGGTTTATATGAAAAGTTTTAAAGTCTCAAGATCGGAAGAGCGGTTCAG
chr22	41527648	41527687	EP300_6164	+	GTGACCTATGCACCAGACGTGTCATCCTAATAACATGGTATTGGTTGTGTCAGTAAATGAAGATCGGAAGAGCGGTTCAG
chr22	41531921	41531960	EP300_6165	+	GTGACCTATGCACCAGACGTACGTGATTTATACCCTGGGTCACATTACAAATACTACTGGAGATCGGAAGAGCGGTTCAG
chr22	41533805	41533844	EP300_6166	+	GTGACCTATGCACCAGACGTTTGTGGACACGTCTCATTCGTAAAGAGATGTTACGTCAACAGATCGGAAGAGCGGTTCAG
chr22	41536272	41536311	EP300_6167	+	GTGACCTATGCACCAGACGTGGTTTTTTTCTATTAATAGCCAAGATTGAACCTGTTGTGGAGATCGGAAGAGCGGTTCAG
chr22	41537237	41537276	EP300_6168	+	GTGACCTATGCACCAGACGTTTTGTTATATTTCTGTTTGAGAGAAATTGATAATAAAATAAGATCGGAAGAGCGGTTCAG
chr22	41543961	41544000	EP300_6169	+	GTGACCTATGCACCAGACGTCGTCTTTGGTAATCTCTTTGGCCTTTACCTGGTATTTTGAAGATCGGAAGAGCGGTTCAG
chr22	41545190	41545229	EP300_6170	+	GTGACCTATGCACCAGACGTTAAGTGGATTTTTCACTTATTTTTGATTCTTGAAACTTCTAGATCGGAAGAGCGGTTCAG
chr22	41546213	41546252	EP300_6171	+	GTGACCTATGCACCAGACGTATTTGGATTTAGGCAGAATCATTAGAGCTATACTGTAGTAAGATCGGAAGAGCGGTTCAG
chr22	41548027	41548066	EP300_6172	+	GTGACCTATGCACCAGACGTGGCAATTACTGTTTGATTTGGTTAGGACCTCAGTATAGGAAGATCGGAAGAGCGGTTCAG
chr22	41548365	41548404	EP300_6173	+	GTGACCTATGCACCAGACGTGAAGCCATTCGTTCTGGAGGTAGCTGAAGAAACCAAAGACAGATCGGAAGAGCGGTTCAG
chr22	41553423	41553462	EP300_6174	+	GTGACCTATGCACCAGACGTTGTTTCAGATTTGACTTTAACTTTTCTGGGATACCTAGAAAGATCGGAAGAGCGGTTCAG
chr22	41554515	41554554	EP300_6175	+	GTGACCTATGCACCAGACGTCCAGGTGTGGACCATGGTCCATGTGTCCACATGTCCAGGGAGATCGGAAGAGCGGTTCAG
chr22	41556737	41556776	EP300_6176	+	GTGACCTATGCACCAGACGTGCATTATTTTGAAAAGTGCTAATTAGTTTGTTGTCCAGTGAGATCGGAAGAGCGGTTCAG
chr22	41558794	41558833	EP300_6177	+	GTGACCTATGCACCAGACGTTCCCCTTGAATAGTCAGTACGCTTTGGCTTTTCTTTTTCCAGATCGGAAGAGCGGTTCAG
chr22	41560145	41560184	EP300_6178	+	GTGACCTATGCACCAGACGTACGTTGTTACTTTCTCTGGAATTTTTCTTTATCGTGAATAAGATCGGAAGAGCGGTTCAG
chr22	41562681	41562720	EP300_6179	+	GTGACCTATGCACCAGACGTTTCTTAAAGGTAAATTTTGGCAAAACTTATCTGAAGCCTAAGATCGGAAGAGCGGTTCAG
chr22	41564614	41564653	EP300_6180	+	GTGACCTATGCACCAGACGTATTTCACTTTTCTTCTCCTCGTGGATCCAAAATTGCTCATAGATCGGAAGAGCGGTTCAG
chr22	41564882	41564921	EP300_6181	+	GTGACCTATGCACCAGACGTCTCACAGTGGCTAGCTCCGGATTTGTGTGGGAGTTCCAACAGATCGGAAGAGCGGTTCAG
chr22	41565631	41565670	EP300_6182	+	GTGACCTATGCACCAGACGTTTTGATAATGGCTTTTTTTCTTTAACTAGCATGGCATTCTAGATCGGAAGAGCGGTTCAG
chr22	41566586	41566625	EP300_6183	+	GTGACCTATGCACCAGACGTACATAGGGGCCAGGTGCTGACAATAGATCTGGAAATGCACAGATCGGAAGAGCGGTTCAG
chr22	41568678	41568717	EP300_6184	+	GTGACCTATGCACCAGACGTTGAGTTTCCTTTGAAACTTCTATCATGATTCTAATATTTAAGATCGGAAGAGCGGTTCAG
chr22	41572543	41572582	EP300_6185	+	GTGACCTATGCACCAGACGTGGTTGTGGGAAGGAGGAGGTGAGCTCCGCAGGGTTGTTCTAGATCGGAAGAGCGGTTCAG
chr22	41574971	41575010	EP300_6186	+	GTGACCTATGCACCAGACGTTAGTATTTTGGGAGCAAAAAAATTATTTTCTCTTAACAAGAGATCGGAAGAGCGGTTCAG
chr22	41513518	41513557	EP300_6187	+	GTGACCTATGCACCAGACGTGTGGACCAAATCAGGGTCCTACGCAGTCAACAGGTATGATAGATCGGAAGAGCGGTTCAG
chr22	41573224	41573263	EP300_6188	+	GTGACCTATGCACCAGACGTCGGACTGGTGTGGTTGGGCAGCAACAGGGCCTCCCTTCCCAGATCGGAAGAGCGGTTCAG
chr22	41573661	41573700	EP300_6189	+	GTGACCTATGCACCAGACGTAGGGATGGGACCGACAGGGATGCAGCAACAGCCACCCTGGAGATCGGAAGAGCGGTTCAG
chr22	41574098	41574137	EP300_6190	+	GTGACCTATGCACCAGACGTCAGCCATGCAGAACATGAATCCAATGCAGGCGGGCGTTCAAGATCGGAAGAGCGGTTCAG
chr22	41574535	41574574	EP300_6191	+	GTGACCTATGCACCAGACGTCAGCCCAACCCCATGAGCCCCCAGCAGCATATGCTCCCAAAGATCGGAAGAGCGGTTCAG
chr19	45854990	45855029	ERCC2_6192	+	GTGACCTATGCACCAGACGTCAGAGGAAAGGGAGAGGGGGGCACTGTTGGGCAGGGGCCCAGATCGGAAGAGCGGTTCAG
chr19	45855621	45855660	ERCC2_6193	+	GTGACCTATGCACCAGACGTAAGCGCAGGCCAGGGACAGAAGGTCATTCGGGGAGCCTGGAGATCGGAAGAGCGGTTCAG
chr19	45855918	45855957	ERCC2_6194	+	GTGACCTATGCACCAGACGTGGAGGATGAGAAGCTGGGGAGGTGGGGGAGCCACTCCTCCAGATCGGAAGAGCGGTTCAG
chr19	45856085	45856124	ERCC2_6195	+	GTGACCTATGCACCAGACGTGAGGAGAGGGGGCGAGGGGGGTTACAAGTGTGGCTGGTGGAGATCGGAAGAGCGGTTCAG
chr19	45856424	45856463	ERCC2_6196	+	GTGACCTATGCACCAGACGTGAGACCGAGACGCAAGTTAGGTCACTCCTCAGAGCCACCTAGATCGGAAGAGCGGTTCAG
chr19	45856603	45856642	ERCC2_6197	+	GTGACCTATGCACCAGACGTACCCAGGGAGGTCAGGGTGGGTTCAGGGCACAGCCATCCTAGATCGGAAGAGCGGTTCAG
chr19	45858120	45858159	ERCC2_6198	+	GTGACCTATGCACCAGACGTTCAGAGGTTGGGCCCTCTCCTGGCCCAGGTCCTCCTCCCTAGATCGGAAGAGCGGTTCAG
chr19	45858997	45859036	ERCC2_6199	+	GTGACCTATGCACCAGACGTACAGAGGTCACGATAAGCGAGGCAGCAGCAACTGCTCCAGAGATCGGAAGAGCGGTTCAG
chr19	45860640	45860679	ERCC2_6200	+	GTGACCTATGCACCAGACGTACAGTGGGAGGGATCTCAGCAGGACTGGGCAGGGACCAGGAGATCGGAAGAGCGGTTCAG
chr19	45860812	45860851	ERCC2_6201	+	GTGACCTATGCACCAGACGTATGAGGGCAGTGAGGGCCCGGGGGGCTGGGCCCCCGACCCAGATCGGAAGAGCGGTTCAG
chr19	45860968	45861007	ERCC2_6202	+	GTGACCTATGCACCAGACGTCAGGCAAGGAGGGGTGAGATTACCCCACTACAGCCACAGCAGATCGGAAGAGCGGTTCAG
chr19	45864911	45864950	ERCC2_6203	+	GTGACCTATGCACCAGACGTGGAGAGACGGGGTCGGGGGGCAGACGGAAGCATGAGCAGGAGATCGGAAGAGCGGTTCAG
chr19	45867180	45867219	ERCC2_6204	+	GTGACCTATGCACCAGACGTACGCTATCAGCGGCGACGGGGAGGCGGGAAAGGGACTGGGAGATCGGAAGAGCGGTTCAG
chr19	45867388	45867427	ERCC2_6205	+	GTGACCTATGCACCAGACGTATGAGCTGGGGCTGGGAGGGGGCTGGCAACCCTGGGGACAAGATCGGAAGAGCGGTTCAG
chr19	45867600	45867639	ERCC2_6206	+	GTGACCTATGCACCAGACGTGGGAGAGAGCCGGCTCAGGCAGGCCTGCAGGGGCCTCACTAGATCGGAAGAGCGGTTCAG

chr19	45867816	45867855	ERCC2_6207	+	GTGACCTATGCACCAGACGTGGGGAGCAGGGTTACCAGGGCCCTGCCACCCCAACCCCTAAGATCGGAAGAGCGGTTCAG
chr19	45868223	45868262	ERCC2_6208	+	GTGACCTATGCACCAGACGTAGTGCCAGGGGTCAGGGAGGCTGCCTGCCCCAGGCTACCTAGATCGGAAGAGCGGTTCAG
chr19	45868427	45868466	ERCC2_6209	+	GTGACCTATGCACCAGACGTGGGGCATCTTAGCACCCAGACAGGGTGGAAACCCAACCACAGATCGGAAGAGCGGTTCAG
chr19	45872012	45872051	ERCC2_6210	+	GTGACCTATGCACCAGACGTGTTGGGGGGCAGGGGGAGCTTGTGCTCATTGGAGGCACAAAGATCGGAAGAGCGGTTCAG
chr19	45872261	45872300	ERCC2_6211	+	GTGACCTATGCACCAGACGTCAAGCGGACTCAGTCCCTGTCCCGCCCCTTCCTTTGTCTGAGATCGGAAGAGCGGTTCAG
chr19	45872416	45872455	ERCC2_6212	+	GTGACCTATGCACCAGACGTGGGACCAGAGGGGCAACACACAGGGTCTCAGAACCTTGGGAGATCGGAAGAGCGGTTCAG
chr19	45873434	45873473	ERCC2_6213	+	GTGACCTATGCACCAGACGTTGCTCGGGGTAGATGTAGTCGTACGGGAAGTAGACCAGGAAGATCGGAAGAGCGGTTCAG
chr19	45873501	45873540	ERCC2_6214	+	GTGACCTATGCACCAGACGTGGGCTGCTGGGTCAGTTCCCGTCCCCTCAGCCCCTCTCCCAGATCGGAAGAGCGGTTCAG
chr19	45873809	45873848	ERCC2_6215	+	GTGACCTATGCACCAGACGTGGACTGTGCAGCGGGGTCGACCCGCCTCCCTCATGAATATAGATCGGAAGAGCGGTTCAG
chr12	25362856	25362895	KRAS_6216	+	GTGACCTATGCACCAGACGTTAAAAAGTATTAAAATGTGAATATATACGATGGCTTCATGAGATCGGAAGAGCGGTTCAG
chr12	25368505	25368544	KRAS_6217	+	GTGACCTATGCACCAGACGTAAACACAACTTCTTTAAAGTCTGTTGCATTGGTAAGAGTAAGATCGGAAGAGCGGTTCAG
chr12	25378718	25378757	KRAS_6218	+	GTGACCTATGCACCAGACGTAAAAAAAGTTATAGCACAGTCATTAGTAACACAAATATCTAGATCGGAAGAGCGGTTCAG
chr12	25380357	25380396	KRAS_6219	+	GTGACCTATGCACCAGACGTAGAAACACAGTCTGGATTATTACAGTGCACCTTTTACTTCAGATCGGAAGAGCGGTTCAG
chr12	25398329	25398368	KRAS_6220	+	GTGACCTATGCACCAGACGTCCTTATAATAAAAATAATGAAAATGTGACTATATTAGAACAGATCGGAAGAGCGGTTCAG
chr7	106510012	106510051	PIK3CG_6221	+	GTGACCTATGCACCAGACGTTTGGTGTTATCAATGGAAGCCTTCTCAAAAGGAATTGATTAGATCGGAAGAGCGGTTCAG
chr7	106513058	106513097	PIK3CG_6222	+	GTGACCTATGCACCAGACGTCCATTTTGATAATAGCGTGAAATTTTAAGTTGCCAAGAATAGATCGGAAGAGCGGTTCAG
chr7	106513394	106513433	PIK3CG_6223	+	GTGACCTATGCACCAGACGTTATATTTTCTGTGTTCTCTTTCCAAATGCCTTCATCTCCAAGATCGGAAGAGCGGTTCAG
chr7	106515259	106515298	PIK3CG_6224	+	GTGACCTATGCACCAGACGTCTTGGATGTCTCCATGTGGTCTTTATGTCTTGAAGATGTCAGATCGGAAGAGCGGTTCAG
chr7	106520121	106520160	PIK3CG_6225	+	GTGACCTATGCACCAGACGTTTTAAGATTGTTTTCAATTATCTGAAAACAATTCTATATTAGATCGGAAGAGCGGTTCAG
chr7	106522663	106522702	PIK3CG_6226	+	GTGACCTATGCACCAGACGTACCTCAGGAGATGAATAGACCTCTCAGCTCGTTTGAAAAGAGATCGGAAGAGCGGTTCAG
chr7	106523619	106523658	PIK3CG_6227	+	GTGACCTATGCACCAGACGTGCTTTTTCCCAGTCTAATGGCTCCTTACAAGTTGTCATTTAGATCGGAAGAGCGGTTCAG
chr7	106526748	106526787	PIK3CG_6228	+	GTGACCTATGCACCAGACGTTCCTTCATCGCCTGCTGAGAATAGCACCGAAGCAGATGGTAGATCGGAAGAGCGGTTCAG
chr7	106545843	106545882	PIK3CG_6229	+	GTGACCTATGCACCAGACGTTAGAATCAAAAACAAGTTAGTGTTCTATGGTTTAAATTAGAGATCGGAAGAGCGGTTCAG
chr7	106508516	106508555	PIK3CG_6230	+	GTGACCTATGCACCAGACGTCGATGAGCTGGAGTTCACGCGCCGTGGCTTGGTGACCCCGAGATCGGAAGAGCGGTTCAG
chr7	106509015	106509054	PIK3CG_6231	+	GTGACCTATGCACCAGACGTGAGCAGCTTACCATCCACGGCAAGGACCACGAGAGTGTGTAGATCGGAAGAGCGGTTCAG
chr7	106509514	106509553	PIK3CG_6232	+	GTGACCTATGCACCAGACGTCGTCTGCAACTAACCCAGACAAGGAGAACTCAATGTCCATAGATCGGAAGAGCGGTTCAG
chr17	41197830	41197869	BRCA1_6233	+	GTGACCTATGCACCAGACGTAGAACACAAGCAGAGATTAGTGTCAATTCATTCTCCTGGAAGATCGGAAGAGCGGTTCAG
chr17	41201222	41201261	BRCA1_6234	+	GTGACCTATGCACCAGACGTCATTTAGATGTAAAATCACTGCAGTAATCTGCATACTTAAAGATCGGAAGAGCGGTTCAG
chr17	41203145	41203184	BRCA1_6235	+	GTGACCTATGCACCAGACGTAGAGGAAGAGAGAGGGACAGGGGAATGGAGAGAAGGAAAAAGATCGGAAGAGCGGTTCAG
chr17	41209163	41209202	BRCA1_6236	+	GTGACCTATGCACCAGACGTCCAAACACAACCCATCAGGATAAGAGAAAGAGAAGCTTCCAGATCGGAAGAGCGGTTCAG
chr17	41215401	41215440	BRCA1_6237	+	GTGACCTATGCACCAGACGTCATAGAAAAGACAGGTTACATACAGCAGAAGAACGTGCTCAGATCGGAAGAGCGGTTCAG
chr17	41215979	41216018	BRCA1_6238	+	GTGACCTATGCACCAGACGTAAAAACACTCAAAGGATTAGAAGTTGAAAACAAAATCAGGAGATCGGAAGAGCGGTTCAG
chr17	41219723	41219762	BRCA1_6239	+	GTGACCTATGCACCAGACGTATCAAATATTCCATTATCATGAGTTACCTCTAGCACACAGAGATCGGAAGAGCGGTTCAG
chr17	41223266	41223305	BRCA1_6240	+	GTGACCTATGCACCAGACGTTGGGAGAAGTTTAATTTACACAACGATGAATGTTGAATTAAGATCGGAAGAGCGGTTCAG
chr17	41226549	41226588	BRCA1_6241	+	GTGACCTATGCACCAGACGTAAATGGAAGGAGAAAACCATCGCCACCAATTGTGAAAGGAAGATCGGAAGAGCGGTTCAG
chr17	41228642	41228681	BRCA1_6242	+	GTGACCTATGCACCAGACGTAATGAGAAAACAAATCTACTTTACTGCTTTGTTCTGATAGAGATCGGAAGAGCGGTTCAG
chr17	41234603	41234642	BRCA1_6243	+	GTGACCTATGCACCAGACGTGATAAATGGCACCAAGAAAATGAAATACTTTGAGAAGCTTAGATCGGAAGAGCGGTTCAG
chr17	41243060	41243099	BRCA1_6244	+	GTGACCTATGCACCAGACGTAAAAACAGAGGTTCAGATGTAAAAGCAGACTATAAACGCTAGATCGGAAGAGCGGTTCAG
chr17	41246670	41246709	BRCA1_6245	+	GTGACCTATGCACCAGACGTGTGAGTAATAAACTGCTGTTCTCATGCTGTAATGAGCTGGAGATCGGAAGAGCGGTTCAG
chr17	41246888	41246927	BRCA1_6246	+	GTGACCTATGCACCAGACGTACAAAAATAACAAGGTACTCAAAAACTGAATTGTCATTAAAGATCGGAAGAGCGGTTCAG
chr17	41247950	41247989	BRCA1_6247	+	GTGACCTATGCACCAGACGTAAGACAGAGTCCTAATAAGAAACACTAGTTACATGTATGCAGATCGGAAGAGCGGTTCAG
chr17	41249317	41249356	BRCA1_6248	+	GTGACCTATGCACCAGACGTTCCCCCCAAAAAATAAATCAATAAAAGTTTTCTTAATTAAAGATCGGAAGAGCGGTTCAG
chr17	41251908	41251947	BRCA1_6249	+	GTGACCTATGCACCAGACGTTGGTAAAGAACAGTCAAGCAATTGTTGGCCAGTTCTGTGCAGATCGGAAGAGCGGTTCAG
chr17	41256289	41256328	BRCA1_6250	+	GTGACCTATGCACCAGACGTCAAGGGAAAACATTATGTTTGCAGTTAGAGAAAAATGTATAGATCGGAAGAGCGGTTCAG
chr17	41256984	41257023	BRCA1_6251	+	GTGACCTATGCACCAGACGTATTGTTTGAGAAACACACTCAGCAAGTGATTATCAACCTTAGATCGGAAGAGCGGTTCAG
chr17	41258561	41258600	BRCA1_6252	+	GTGACCTATGCACCAGACGTTAAAGAAAGAAAGAACAATTTAATTTACTTCCTTTTGTAGAGATCGGAAGAGCGGTTCAG
chr17	41276124	41276163	BRCA1_6253	+	GTGACCTATGCACCAGACGTTCCAATGAACTTTAACACATTAGAAAAACATATATATATAAGATCGGAAGAGCGGTTCAG
chr17	41243920	41243959	BRCA1_6254	+	GTGACCTATGCACCAGACGTCTAATTTCTTGGCCCCTCTTCGGTAACCCTGAGCCAAATGAGATCGGAAGAGCGGTTCAG
chr17	41243951	41243990	BRCA1_6255	+	GTGACCTATGCACCAGACGTAGCCAAATGTGTATGGGTGAAAGGGCTAGGACTCCTGCTAAGATCGGAAGAGCGGTTCAG
chr17	41244378	41244417	BRCA1_6256	+	GTGACCTATGCACCAGACGTCTGGAGCCCACTTCATTAGTACTGGAACCTACTTCATTAAAGATCGGAAGAGCGGTTCAG
chr17	41244440	41244479	BRCA1_6257	+	GTGACCTATGCACCAGACGTAAAAACATTTTCTCTAATGTTATTACGGCTAATTGTGCTCAGATCGGAAGAGCGGTTCAG
chr17	41244836	41244875	BRCA1_6258	+	GTGACCTATGCACCAGACGTTTCACATTCAAAAGTGACTTTTGGACTTTGTTTCTTTAAGAGATCGGAAGAGCGGTTCAG
chr17	41244929	41244968	BRCA1_6259	+	GTGACCTATGCACCAGACGTTGAAAACGGAGCAAATGACTGGCGCTTTGAAACCTTGAATAGATCGGAAGAGCGGTTCAG
chr17	41245294	41245333	BRCA1_6260	+	GTGACCTATGCACCAGACGTACATGAGATCTTTGGGGTCTTCAGCATTATTAGACACTTTAGATCGGAAGAGCGGTTCAG
chr17	41245418	41245457	BRCA1_6261	+	GTGACCTATGCACCAGACGTAGTAAAAGAACCAGGTGCATTTGTTAACTTCAGCTCTGGGAGATCGGAAGAGCGGTTCAG
chr17	41245752	41245791	BRCA1_6262	+	GTGACCTATGCACCAGACGTTTTAATTCGAGTTCCATATTGCTTATACTGCTGCTTATAGAGATCGGAAGAGCGGTTCAG
chr17	41245907	41245946	BRCA1_6263	+	GTGACCTATGCACCAGACGTATTCATCACTTGACCATTCTGCTCCGTTTGGTTAGTTCCCAGATCGGAAGAGCGGTTCAG
chr17	41246210	41246249	BRCA1_6264	+	GTGACCTATGCACCAGACGTTCTTTCACTTTTACATATTAAAGCCTCATGAGGATCACTGAGATCGGAAGAGCGGTTCAG

chr17	41246396	41246435	BRCA1_6265	+	GTGACCTATGCACCAGACGTCTCATTAACTTTCTGAATGCTGCTATTTAGTGTTATCCAAAGATCGGAAGAGCGGTTCAG
chr19	1207213	1207252	STK11_6266	+	GTGACCTATGCACCAGACGTCTTGCTGGGGTCGGGGCCGGGCCGGGCCAGTCACGGTGCTAGATCGGAAGAGCGGTTCAG
chr19	1218510	1218549	STK11_6267	+	GTGACCTATGCACCAGACGTCGGTGTTGGGACCGCGGGGCCTCCGTGGGAGGGGCTGGGGAGATCGGAAGAGCGGTTCAG
chr19	1219423	1219462	STK11_6268	+	GTGACCTATGCACCAGACGTGGGGCAGGGGCCAGGGTGGGGCGGGGGCCGGGGGCCAGGCAGATCGGAAGAGCGGTTCAG
chr19	1220515	1220554	STK11_6269	+	GTGACCTATGCACCAGACGTGCTAGGGGGGGCCCTGGGGCGCCCCCTCCCGGGCACTCCCAGATCGGAAGAGCGGTTCAG
chr19	1220727	1220766	STK11_6270	+	GTGACCTATGCACCAGACGTCGCCCCCCCGGGCACTCACCACACGCACACTCCGAGGGGCAGATCGGAAGAGCGGTTCAG
chr19	1221350	1221389	STK11_6271	+	GTGACCTATGCACCAGACGTCATCCCTCTGCCCGCAGCCCCAGGGAGGCGGGGCTTTTGTAGATCGGAAGAGCGGTTCAG
chr19	1222016	1222055	STK11_6272	+	GTGACCTATGCACCAGACGTCCTGGGGGCAGTGGGGCCGAGGCTGCAGGGAGGCCGGCCAAGATCGGAAGAGCGGTTCAG
chr19	1223182	1223221	STK11_6273	+	GTGACCTATGCACCAGACGTCGGGGGCCCCTGCCCGGCTCTGCTGACTCGGCCAGGATGTAGATCGGAAGAGCGGTTCAG
chr19	1226657	1226696	STK11_6274	+	GTGACCTATGCACCAGACGTCTGCAGGTGGGGCGCGGCGGGGCCCGGGTGGGGCATGTGGAGATCGGAAGAGCGGTTCAG
chr13	32890675	32890714	BRCA2_6275	+	GTGACCTATGCACCAGACGTATTTTATATAACTTTATAAATTACACCGAGAAAGTGTTTTAGATCGGAAGAGCGGTTCAG
chr13	32900298	32900337	BRCA2_6276	+	GTGACCTATGCACCAGACGTAAACAATGCTTTTTATTCTTAGAATACTAGAAATGTTAATAGATCGGAAGAGCGGTTCAG
chr13	32900430	32900469	BRCA2_6277	+	GTGACCTATGCACCAGACGTTACCTGGTTTATTTTTATGACTTAGTAATTGAGAATTTGAAGATCGGAAGAGCGGTTCAG
chr13	32900761	32900800	BRCA2_6278	+	GTGACCTATGCACCAGACGTCAAATGTGTATTTACAAGAAAGAGCAGATGAGGTTGATAAAGATCGGAAGAGCGGTTCAG
chr13	32903640	32903679	BRCA2_6279	+	GTGACCTATGCACCAGACGTATGACATTGATTAGACTGTTGAAATTGCTAACAATTTTGGAGATCGGAAGAGCGGTTCAG
chr13	32905178	32905217	BRCA2_6280	+	GTGACCTATGCACCAGACGTTGTTTAGTTGAACTACAGGTTTTTTTGTTGTTGTTGTTTTAGATCGGAAGAGCGGTTCAG
chr13	32907535	32907574	BRCA2_6281	+	GTGACCTATGCACCAGACGTCTTTTTTTTTTTGTAAATAGTACATATAGTTTTATAGATGAGATCGGAAGAGCGGTTCAG
chr13	32915344	32915383	BRCA2_6282	+	GTGACCTATGCACCAGACGTATTTTTACCTTTCGTGTTGCCAATCACTATTTTTAAAGTGAGATCGGAAGAGCGGTTCAG
chr13	32918801	32918840	BRCA2_6283	+	GTGACCTATGCACCAGACGTCTTTTTATTTATATCTGTTCTCCCTCTATAGGTATGGTATAGATCGGAAGAGCGGTTCAG
chr13	32921044	32921083	BRCA2_6284	+	GTGACCTATGCACCAGACGTTTTAAATTTTTCTAAATTCTAATACAGTATGAGAAAAGTCAGATCGGAAGAGCGGTTCAG
chr13	32929436	32929475	BRCA2_6285	+	GTGACCTATGCACCAGACGTACAATTTGTGTGATGAATTTTTGCCTTTCAGTTAGATATTAGATCGGAAGAGCGGTTCAG
chr13	32930757	32930796	BRCA2_6286	+	GTGACCTATGCACCAGACGTGTCTACAATACTGATGGCTTTTATGACAGAGTGTAATTTTAGATCGGAAGAGCGGTTCAG
chr13	32932077	32932116	BRCA2_6287	+	GTGACCTATGCACCAGACGTCAAAAAGATTGTGTGTTAACTTTTATGTATTCCCTCATCCAGATCGGAAGAGCGGTTCAG
chr13	32936841	32936880	BRCA2_6288	+	GTGACCTATGCACCAGACGTAGCATTACATTACGTAATCATATACGGCAGTATGGTTAAGAGATCGGAAGAGCGGTTCAG
chr13	32937681	32937720	BRCA2_6289	+	GTGACCTATGCACCAGACGTTTGCACTCTTGGTAAAAATCAGTCATTGATTCAGTTAAATAGATCGGAAGAGCGGTTCAG
chr13	32944705	32944744	BRCA2_6290	+	GTGACCTATGCACCAGACGTTTCTTGAAACTTACCATATATTTCTTTCTTTTGATACAATAGATCGGAAGAGCGGTTCAG
chr13	32945248	32945287	BRCA2_6291	+	GTGACCTATGCACCAGACGTTTATATGGTACACATTGTTATTTCTAATATGAGAACAAAGAGATCGGAAGAGCGGTTCAG
chr13	32950939	32950978	BRCA2_6292	+	GTGACCTATGCACCAGACGTAAGAGGACATATAATGAGGCTTGATGATTATTCAAGGTGAAGATCGGAAGAGCGGTTCAG
chr13	32953663	32953702	BRCA2_6293	+	GTGACCTATGCACCAGACGTAAATGCTTTGTTTTTATCAGTTTTATTAACTTAAAAAATGAGATCGGAAGAGCGGTTCAG
chr13	32954061	32954100	BRCA2_6294	+	GTGACCTATGCACCAGACGTTTCATTGTAATTTTTCAGTTTTGATAAGTGCTTGTTAGTTAGATCGGAAGAGCGGTTCAG
chr13	32954293	32954332	BRCA2_6295	+	GTGACCTATGCACCAGACGTATATAGTTAATTTTTTTTATTGATTCTTTTAAAAAACATTAGATCGGAAGAGCGGTTCAG
chr13	32969081	32969120	BRCA2_6296	+	GTGACCTATGCACCAGACGTTTTTCAGCATCACCACACATTTTGGTATTTTTCTATTTTGAGATCGGAAGAGCGGTTCAG
chr13	32971192	32971231	BRCA2_6297	+	GTGACCTATGCACCAGACGTGTAAACTCAAGGAATATTATAAGAAGTATATATGGAGGCCAGATCGGAAGAGCGGTTCAG
chr13	32972918	32972957	BRCA2_6298	+	GTGACCTATGCACCAGACGTAGGCGACAATAAATTATTGACGCTTAACCTTTCCAGTTTAAGATCGGAAGAGCGGTTCAG
chr13	32972613	32972652	BRCA2_6299	+	GTGACCTATGCACCAGACGTGATGACTCCATTTAAAAAATTCAATGAAATTTCTCTTTTGAGATCGGAAGAGCGGTTCAG
chr13	32906791	32906830	BRCA2_6300	+	GTGACCTATGCACCAGACGTCTGTGAATGGTCTCAACTAACCCTTTCAGGTCTAAATGGAAGATCGGAAGAGCGGTTCAG
chr13	32907163	32907202	BRCA2_6301	+	GTGACCTATGCACCAGACGTCAATGCAAGTTTTTCAGGTCATATGACTGATCCAAACTTTAGATCGGAAGAGCGGTTCAG
chr13	32910905	32910944	BRCA2_6302	+	GTGACCTATGCACCAGACGTTCTGATGTTGAATTAACCAAAAATATTCCCATGGAAAAGAAGATCGGAAGAGCGGTTCAG
chr13	32911398	32911437	BRCA2_6303	+	GTGACCTATGCACCAGACGTAAGATTTAAAATCGGACATCTCCTTGAATATAGATAAAATAGATCGGAAGAGCGGTTCAG
chr13	32911891	32911930	BRCA2_6304	+	GTGACCTATGCACCAGACGTAAGCTACATATTGCAGAAGAGTACATTTGAAGTGCCTGAAAGATCGGAAGAGCGGTTCAG
chr13	32912384	32912423	BRCA2_6305	+	GTGACCTATGCACCAGACGTATTGAAATGACTACTGGCACTTTTGTTGAAGAAATTACTGAGATCGGAAGAGCGGTTCAG
chr13	32912877	32912916	BRCA2_6306	+	GTGACCTATGCACCAGACGTTAAATTCTGAATTACATTCTGACATAAGAAAGAACAAAATAGATCGGAAGAGCGGTTCAG
chr13	32913370	32913409	BRCA2_6307	+	GTGACCTATGCACCAGACGTTCTCAAAACATCAAAAAGTATCTTTTTGAAAGTTAAAGTAAGATCGGAAGAGCGGTTCAG
chr13	32913863	32913902	BRCA2_6308	+	GTGACCTATGCACCAGACGTATATCCAATGTAAAAGATGCAAATGCATACCCACAAACTGAGATCGGAAGAGCGGTTCAG
chr13	32914356	32914395	BRCA2_6309	+	GTGACCTATGCACCAGACGTCAGATATATGTAAATGTAGTATAGGGAAGCTTCATAAGTCAGATCGGAAGAGCGGTTCAG
chr13	32914849	32914888	BRCA2_6310	+	GTGACCTATGCACCAGACGTCTCAGAAATGGAAAAAACCTGCAGTAAAGAATTTAAATTAAGATCGGAAGAGCGGTTCAG
chr17	37856575	37856614	ERBB2_6311	+	GTGACCTATGCACCAGACGTTGTGGGGAGGGGACGGAGCAGCGGCGGGACCCTGCCCTGTAGATCGGAAGAGCGGTTCAG
chr17	37863405	37863444	ERBB2_6312	+	GTGACCTATGCACCAGACGTTGGGCAACCCAGCCAGGCCCTGCCTCCAGCTGGGCTGAGCAGATCGGAAGAGCGGTTCAG
chr17	37865716	37865755	ERBB2_6313	+	GTGACCTATGCACCAGACGTCCCCTCCCTGCTGCCTCTTCTCTCAGACAGCCTGACCCCAAGATCGGAAGAGCGGTTCAG
chr17	37866145	37866184	ERBB2_6314	+	GTGACCTATGCACCAGACGTGGGAGGCCTGGAGTCAGGGAAGGGGAGGGCTGGGGCCGGGAGATCGGAAGAGCGGTTCAG
chr17	37866465	37866504	ERBB2_6315	+	GTGACCTATGCACCAGACGTCTGCTTTGTGCCCAATGTGCTCTACCCCCCAGGATGCAAGAGATCGGAAGAGCGGTTCAG
chr17	37866745	37866784	ERBB2_6316	+	GTGACCTATGCACCAGACGTGGGAGAAACACAGTTTTCTCATTTTGGTGGGGAGGTTTGTAGATCGGAAGAGCGGTTCAG
chr17	37868311	37868350	ERBB2_6317	+	GTGACCTATGCACCAGACGTACTGCCCCCGAGGCCAGCTGCAGTTCCTGTCCCTCTGCGCAGATCGGAAGAGCGGTTCAG
chr17	37868712	37868751	ERBB2_6318	+	GTGACCTATGCACCAGACGTGCACGATGACCTGAGACAGTGTCAGGGCAGACAGAGTCCTAGATCGGAAGAGCGGTTCAG
chr17	37871623	37871662	ERBB2_6319	+	GTGACCTATGCACCAGACGTTCTCTGCATCCTGTTCTGCAGGGGCTGGGAGTCCTTGTCCAGATCGGAAGAGCGGTTCAG
chr17	37871800	37871839	ERBB2_6320	+	GTGACCTATGCACCAGACGTAGAAAGAGGGGGCCTGATGGGGAGGAGTCCCAGGGAGGAGAGATCGGAAGAGCGGTTCAG
chr17	37872203	37872242	ERBB2_6321	+	GTGACCTATGCACCAGACGTGAGCCCAGTGTGCGCACTCCCCATCTGCCAGCACACAGCAAGATCGGAAGAGCGGTTCAG
chr17	37872697	37872736	ERBB2_6322	+	GTGACCTATGCACCAGACGTCGGAGGAGAGGGTGGCTGGAGGGGTGCATGGGGCTCCTCTAGATCGGAAGAGCGGTTCAG

chr17	37872869	37872908	ERBB2_6323	+	GTGACCTATGCACCAGACGTGGCGGGCTCAGAGCTGGGTGGAGGGGGGCAGCGAGGGGGAAGATCGGAAGAGCGGTTCAG
chr17	37873744	37873783	ERBB2_6324	+	GTGACCTATGCACCAGACGTCGGTCTTTTCTGCAGAAAGGAGGACTTTCCTTTCAGGGGTAGATCGGAAGAGCGGTTCAG
chr17	37876098	37876137	ERBB2_6325	+	GTGACCTATGCACCAGACGTACCCCAGGATGTACCCTTCATTGCCCTTCACTCCCCCACTAGATCGGAAGAGCGGTTCAG
chr17	37879721	37879760	ERBB2_6326	+	GTGACCTATGCACCAGACGTGTGAAGTCCTCCCAGCCCGCGTGGGGTCTGCACCGGCCCCAGATCGGAAGAGCGGTTCAG
chr17	37879924	37879963	ERBB2_6327	+	GTGACCTATGCACCAGACGTGGTCCTGGGGTGGGCGGCCCCAGAGGATGGGGGCGGTGCCAGATCGGAAGAGCGGTTCAG
chr17	37880274	37880313	ERBB2_6328	+	GTGACCTATGCACCAGACGTCCACCCTCTCCTGCTAGGAGGACAGGAAGGACCCCATGGCAGATCGGAAGAGCGGTTCAG
chr17	37881175	37881214	ERBB2_6329	+	GTGACCTATGCACCAGACGTGGGCTCTTTGCAGGTCTCTCCGGAGCAAACCCCTATGTCCAGATCGGAAGAGCGGTTCAG
chr17	37881468	37881507	ERBB2_6330	+	GTGACCTATGCACCAGACGTGGACCAAGGAGCAGAGGAGGCTGGGTGGAGTGGTGTCTAGAGATCGGAAGAGCGGTTCAG
chr17	37881666	37881705	ERBB2_6331	+	GTGACCTATGCACCAGACGTGGGGGTGTTGGGAGGGGTGGGTGAGGAGCCATGGCTGGAGAGATCGGAAGAGCGGTTCAG
chr17	37882117	37882156	ERBB2_6332	+	GTGACCTATGCACCAGACGTGAGCTGTGCTGGCTGCCTGGAGGAGGGTGGGAGGTCCTGGAGATCGGAAGAGCGGTTCAG
chr17	37882923	37882962	ERBB2_6333	+	GTGACCTATGCACCAGACGTTCTGTGCCCCATCCCTGCCTGTGGCTAAGAGCACCCTCCTAGATCGGAAGAGCGGTTCAG
chr17	37883267	37883306	ERBB2_6334	+	GTGACCTATGCACCAGACGTTCGGTCACACTGTGTGGCTGTCTGCTTACCTCCCCCAACCAGATCGGAAGAGCGGTTCAG
chr17	37883811	37883850	ERBB2_6335	+	GTGACCTATGCACCAGACGTCAGTCTAAGCAGAGAGACTGATGGGCAGGGGAGGTGGGACAGATCGGAAGAGCGGTTCAG
chr17	37884308	37884347	ERBB2_6336	+	GTGACCTATGCACCAGACGTCAAGTCCGCAGAAGCCCTGATGTGTCCTCAGGGAGCAGGGAGATCGGAAGAGCGGTTCAG
chr7	140439757	140439796	BRAF_6337	+	GTGACCTATGCACCAGACGTAAAAAAAAGGGAAATAATTCAACCTTGTAGATAAGTTGAAAGATCGGAAGAGCGGTTCAG
chr7	140449229	140449268	BRAF_6338	+	GTGACCTATGCACCAGACGTATACAAAGAAAAATATTCTTCACTTCAATTGAATAAAGACAGATCGGAAGAGCGGTTCAG
chr7	140453204	140453243	BRAF_6339	+	GTGACCTATGCACCAGACGTGTAAGTAAAGGAAAACAGTAGATCTCATTTTCCTATCAGAAGATCGGAAGAGCGGTTCAG
chr7	140454044	140454083	BRAF_6340	+	GTGACCTATGCACCAGACGTAAACATCATTTTAACCTGAGTAGGGCTAAAGGACTCTGGCAGATCGGAAGAGCGGTTCAG
chr7	140476899	140476938	BRAF_6341	+	GTGACCTATGCACCAGACGTAAATGTGACAGTAAACATTAAATGTCGACAAACTTTAGCAAGATCGGAAGAGCGGTTCAG
chr7	140477886	140477925	BRAF_6342	+	GTGACCTATGCACCAGACGTATTGTTACTCCAAGTGTCATTTCAATTTTTAAAATTTAAAAGATCGGAAGAGCGGTTCAG
chr7	140481504	140481543	BRAF_6343	+	GTGACCTATGCACCAGACGTACAGTAAAAAAGTCAAGTCAAGCCAAACAGAAAAAGAAAAAGATCGGAAGAGCGGTTCAG
chr7	140482968	140483007	BRAF_6344	+	GTGACCTATGCACCAGACGTGAAAAGAAAAATGTATACATTAAGGAGGAGCAAGTATGTTAGATCGGAAGAGCGGTTCAG
chr7	140487395	140487434	BRAF_6345	+	GTGACCTATGCACCAGACGTATAGTAATGTATATTTATTCCAAGCAAGCATATAATCAGAAGATCGGAAGAGCGGTTCAG
chr7	140494278	140494317	BRAF_6346	+	GTGACCTATGCACCAGACGTGAAGTCATTGGAAGATAAGATTCAGAGTAACGATATAAAGAGATCGGAAGAGCGGTTCAG
chr7	140500292	140500331	BRAF_6347	+	GTGACCTATGCACCAGACGTAAACAAAACAAACCTAACTTGTGCAAAACCCAGAAGCTTCAGATCGGAAGAGCGGTTCAG
chr7	140501371	140501410	BRAF_6348	+	GTGACCTATGCACCAGACGTAAAAATCACAGAGATTTCAAAAACTCACAAGAAAACTTTCAGATCGGAAGAGCGGTTCAG
chr7	140507873	140507912	BRAF_6349	+	GTGACCTATGCACCAGACGTTAGACACAAGCCTTTCTTGGTTATTACACCTAAAAATATTAGATCGGAAGAGCGGTTCAG
chr7	140508806	140508845	BRAF_6350	+	GTGACCTATGCACCAGACGTATAAATATATTGATAAGAGGTAAAGGGAGCAAATTACATTAGATCGGAAGAGCGGTTCAG
chr7	140534683	140534722	BRAF_6351	+	GTGACCTATGCACCAGACGTAAGCAGACTTATATTCAATCCGGACTTTGTCCTGACATTAAGATCGGAAGAGCGGTTCAG
chr7	140550023	140550062	BRAF_6352	+	GTGACCTATGCACCAGACGTTTTCAAAAGAATTTAAATAAAAATCACTTAGTATATGAATAGATCGGAAGAGCGGTTCAG
chr4	153244312	153244351	FBXW7_6353	+	GTGACCTATGCACCAGACGTACCAAAAGAATTTAATTACTGGTTAGAAATAATGGCTATGAGATCGGAAGAGCGGTTCAG
chr4	153245557	153245596	FBXW7_6354	+	GTGACCTATGCACCAGACGTCACAGTTTATTAGAATAGAAGTATGGATACTCTTCCTATCAGATCGGAAGAGCGGTTCAG
chr4	153247394	153247433	FBXW7_6355	+	GTGACCTATGCACCAGACGTAGAAACAGAAAAACAAAACAAAACAAAAAAACCCACGTTTAGATCGGAAGAGCGGTTCAG
chr4	153249552	153249591	FBXW7_6356	+	GTGACCTATGCACCAGACGTACTTAAGATGATTACTTTTGGGTAGAAAGGAAAAGTGATTAGATCGGAAGAGCGGTTCAG
chr4	153250948	153250987	FBXW7_6357	+	GTGACCTATGCACCAGACGTGATGTGCAGATTAGAAATATGTTAATTAAATTATGTTCTTAGATCGGAAGAGCGGTTCAG
chr4	153252031	153252070	FBXW7_6358	+	GTGACCTATGCACCAGACGTACAGTTCAAGAGTAAATTGCCTTCACCAATAATAACAGTTAGATCGGAAGAGCGGTTCAG
chr4	153259099	153259138	FBXW7_6359	+	GTGACCTATGCACCAGACGTGAATTAGAAATTTTTATTGTTTTAACAGATGTCCCAAATTAGATCGGAAGAGCGGTTCAG
chr4	153271287	153271326	FBXW7_6360	+	GTGACCTATGCACCAGACGTAAACAAACAAGATATGTTTTTTAAAAATCGTCTAACTATCAGATCGGAAGAGCGGTTCAG
chr4	153273893	153273932	FBXW7_6361	+	GTGACCTATGCACCAGACGTAGCTTGACTGAGAAGAACTCGAGGGAATAATGAGAGAGAAAGATCGGAAGAGCGGTTCAG
chr4	153303498	153303537	FBXW7_6362	+	GTGACCTATGCACCAGACGTCTCTTGGTTGACGAATACTCTCTACATGTAATACAGGCACAGATCGGAAGAGCGGTTCAG
chr4	153332966	153333005	FBXW7_6363	+	GTGACCTATGCACCAGACGTCAGCTTGCTACTTCTTGGACCTTGGCTAGACTATCAGAAGAGATCGGAAGAGCGGTTCAG
chr3	37035165	37035204	MLH1_6364	+	GTGACCTATGCACCAGACGTAGTCGAGCCGGGCTCACTTAAGGGCTACGACTTAACGGGCAGATCGGAAGAGCGGTTCAG
chr3	37038211	37038250	MLH1_6365	+	GTGACCTATGCACCAGACGTCCTCAAAGTAGCAGGATGTTTGTGCGCTTCATGGAAGAGTAGATCGGAAGAGCGGTTCAG
chr3	37042555	37042594	MLH1_6366	+	GTGACCTATGCACCAGACGTGATTCAAGAAATGTGTAAAATATCCTCCTGTGATGACATTAGATCGGAAGAGCGGTTCAG
chr3	37045976	37046015	MLH1_6367	+	GTGACCTATGCACCAGACGTGACTTCTTTTACTCATATATATTCATTCTGAAATGTATTTAGATCGGAAGAGCGGTTCAG
chr3	37048565	37048604	MLH1_6368	+	GTGACCTATGCACCAGACGTTACATGGGAGAGTAAATTGTTGAAGCTTTGTTTGTATAAAAGATCGGAAGAGCGGTTCAG
chr3	37050407	37050446	MLH1_6369	+	GTGACCTATGCACCAGACGTAAATCTGGGAGTGGGTCTCTGAGATTTGTCATCAAAGTAAAGATCGGAAGAGCGGTTCAG
chr3	37053364	37053403	MLH1_6370	+	GTGACCTATGCACCAGACGTGGTTTATGGGGGATGGTTTTGTTTTATGAAAAGAAAAAAGAGATCGGAAGAGCGGTTCAG
chr3	37053601	37053640	MLH1_6371	+	GTGACCTATGCACCAGACGTAACCTATATAAAAAAATCTTTTACATTTATTATCTTGGTTAGATCGGAAGAGCGGTTCAG
chr3	37056046	37056085	MLH1_6372	+	GTGACCTATGCACCAGACGTAAGAACCACATGGGAAATCCACTCACAGGAAACACCCACAAGATCGGAAGAGCGGTTCAG
chr3	37059101	37059140	MLH1_6373	+	GTGACCTATGCACCAGACGTACCAAACTCCTCAACCAAGACTCACAAGGAACAGATGTTCAGATCGGAAGAGCGGTTCAG
chr3	37061965	37062004	MLH1_6374	+	GTGACCTATGCACCAGACGTTTCTCATCCAGCTACTTCTCTGGGGCCTTTGAAATGTGCCAGATCGGAAGAGCGGTTCAG
chr3	37067509	37067548	MLH1_6375	+	GTGACCTATGCACCAGACGTTTGGGAAAAGTACAGCCTACCTCCTTTATTCTGTAATAAAAGATCGGAAGAGCGGTTCAG
chr3	37070434	37070473	MLH1_6376	+	GTGACCTATGCACCAGACGTGCTGTGGCCTGCCTGGGATGCATAGGGCCTCAACTGCCAAAGATCGGAAGAGCGGTTCAG
chr3	37081796	37081835	MLH1_6377	+	GTGACCTATGCACCAGACGTTGAGTGTGTGAACAAGCAGAGCTACTACAACAATGGTCCAAGATCGGAAGAGCGGTTCAG
chr3	37083833	37083872	MLH1_6378	+	GTGACCTATGCACCAGACGTATCCTTTTCACTTCTGAAATTTCAACTGATCGTTTCTGAAAGATCGGAAGAGCGGTTCAG
chr3	37089185	37089224	MLH1_6379	+	GTGACCTATGCACCAGACGTCATTCTTATACTTCTGTTGTATTCTTCAAATAAAATTTCCAGATCGGAAGAGCGGTTCAG
chr3	37090111	37090150	MLH1_6380	+	GTGACCTATGCACCAGACGTAAGCAGATACTAAGCATTTCGGTACATGCATGTGTGCTGGAGATCGGAAGAGCGGTTCAG

chr3	37090519	37090558	MLH1_6381	+	GTGACCTATGCACCAGACGTGATGCACACTGGCACCCCAGGACTAGGACAGGACCTCATAAGATCGGAAGAGCGGTTCAG
chr3	37092155	37092194	MLH1_6382	+	GTGACCTATGCACCAGACGTTTATGCACTGTGGGATGTGTTCTTCTTTCTCTGTATTCCGAGATCGGAAGAGCGGTTCAG
chr2	47630552	47630591	MSH2_6383	+	GTGACCTATGCACCAGACGTGGACGGCGCGTGCTGGGGAGGGACCCGGGGCCTTGTGGCGAGATCGGAAGAGCGGTTCAG
chr2	47635705	47635744	MSH2_6384	+	GTGACCTATGCACCAGACGTTCCTTTTTAATTTACTTATTTTTTTAAGAGTAGAAAAATAAGATCGGAAGAGCGGTTCAG
chr2	47637522	47637561	MSH2_6385	+	GTGACCTATGCACCAGACGTTGAGTCTAGTGATAGAGGAGATTCCAGGCCTAGGAAAGGCAGATCGGAAGAGCGGTTCAG
chr2	47643579	47643618	MSH2_6386	+	GTGACCTATGCACCAGACGTAGTTTATACTTTCGTTAGTTTTATGTAACCTGCAGTTACCAGATCGGAAGAGCGGTTCAG
chr2	47657091	47657130	MSH2_6387	+	GTGACCTATGCACCAGACGTATTTTGTTTTTTTGTTTTCCTTCAACTCATACAATATATAAGATCGGAAGAGCGGTTCAG
chr2	47672807	47672846	MSH2_6388	+	GTGACCTATGCACCAGACGTTACTTTTTAATTTAAGCAGTAGTTATTTTTAAAAAGCAAAAGATCGGAAGAGCGGTTCAG
chr2	47690304	47690343	MSH2_6389	+	GTGACCTATGCACCAGACGTGTCATTGGAGGTTGGAATAATTCTTTTGTCTATACACTGTAGATCGGAAGAGCGGTTCAG
chr2	47693958	47693997	MSH2_6390	+	GTGACCTATGCACCAGACGTCGTTATTATATTTTTAACCCTTTATTAATTCCCTAAATGCAGATCGGAAGAGCGGTTCAG
chr2	47698212	47698251	MSH2_6391	+	GTGACCTATGCACCAGACGTTAGAACTAATAATGTTCTGAATGTCACCTGGCTTTTGGTAAGATCGGAAGAGCGGTTCAG
chr2	47703721	47703760	MSH2_6392	+	GTGACCTATGCACCAGACGTCTCCTAGTCCCTTGAAGATAGAAATGTATGTCTCTGTCCTAGATCGGAAGAGCGGTTCAG
chr2	47705669	47705708	MSH2_6393	+	GTGACCTATGCACCAGACGTTTGGAGTACTCTAAATTCAGAACTTGGTAATGGGAAACTTAGATCGGAAGAGCGGTTCAG
chr2	47708021	47708060	MSH2_6394	+	GTGACCTATGCACCAGACGTTTGTTTTCATAGTTTAACTTAGCTTCTCTATTATTACATAAGATCGGAAGAGCGGTTCAG
chr2	47710099	47710138	MSH2_6395	+	GTGACCTATGCACCAGACGTTAATGGAATGAAGGTAATATTGATAAGCTATTGTCTGTAAAGATCGGAAGAGCGGTTCAG
chr18	48573676	48573715	SMAD4_6396	+	GTGACCTATGCACCAGACGTTAAGAGTTTTTCTATACCCTCTATGGTGGCAGATTTAAAAAGATCGGAAGAGCGGTTCAG
chr18	48575241	48575280	SMAD4_6397	+	GTGACCTATGCACCAGACGTTTTGCTTTCATCCTAAGAAACATAAAGGGAAAAGGATCTCAGATCGGAAGAGCGGTTCAG
chr18	48575705	48575744	SMAD4_6398	+	GTGACCTATGCACCAGACGTTGTTTCTTACTACTTTCTCTTTGTTTTGTCCTATCCTCTCAGATCGGAAGAGCGGTTCAG
chr18	48581374	48581413	SMAD4_6399	+	GTGACCTATGCACCAGACGTGAATCAGATGTAGTCAGCAAGTTGAGTTTTCCTAATCATTAGATCGGAAGAGCGGTTCAG
chr18	48584625	48584664	SMAD4_6400	+	GTGACCTATGCACCAGACGTACTTTAAAAAATCTTTTAAATAGTTGAGAAAAAAGTAGGCAGATCGGAAGAGCGGTTCAG
chr18	48584837	48584876	SMAD4_6401	+	GTGACCTATGCACCAGACGTGTTTTTGTTGTAAGGGCTATTTTTTTTTTTTTTTTGGTAGAGATCGGAAGAGCGGTTCAG
chr18	48586297	48586336	SMAD4_6402	+	GTGACCTATGCACCAGACGTTTCAAAATTGATTTCCTGTATTTAGATTGATTTAGTGGTGAGATCGGAAGAGCGGTTCAG
chr18	48591987	48592026	SMAD4_6403	+	GTGACCTATGCACCAGACGTTATAGTCAGATAGTTACTTTAAAAAATTGAGCATAGTACAAGATCGGAAGAGCGGTTCAG
chr18	48593568	48593607	SMAD4_6404	+	GTGACCTATGCACCAGACGTATTTTATTTGAATATTTTAGACTTAAAGCTCTATTTGTTGAGATCGGAAGAGCGGTTCAG
chr18	48603157	48603196	SMAD4_6405	+	GTGACCTATGCACCAGACGTTTTTCATTCTTTTTTAAAGGTATAATAGTTGATATTTTTAAGATCGGAAGAGCGGTTCAG
chr18	48604848	48604887	SMAD4_6406	+	GTGACCTATGCACCAGACGTCGTTGGGGCCCTTAACCTTATCAGGATGGTGGACTACAAAAGATCGGAAGAGCGGTTCAG
chr9	22006257	22006296	CDKN2B_6407	+	GTGACCTATGCACCAGACGTGAGCAGAGTGGTCAGAGCCAGGGTGGGGGCAGGTATGGGAAGATCGGAAGAGCGGTTCAG
chr9	22008963	22009002	CDKN2B_6408	+	GTGACCTATGCACCAGACGTCCAGACGCGCAGCGGCCCGGATAATCCACCGTTGGCCGTAAGATCGGAAGAGCGGTTCAG
chr4	1795781	1795820	FGFR3_6409	+	GTGACCTATGCACCAGACGTACCCACTAGGCACGGGAGAGGCCGGCCCGTGCGGGCAGAGAGATCGGAAGAGCGGTTCAG
chr4	1801261	1801300	FGFR3_6410	+	GTGACCTATGCACCAGACGTGGGCCACGCCAGCTACAGAAAGGAGCCGAGTGCCGGGCTCAGATCGGAAGAGCGGTTCAG
chr4	1801550	1801589	FGFR3_6411	+	GTGACCTATGCACCAGACGTGGTCCAGGGTTCAGGCCAGCCGGGGTGGGGCCCGCTGCCAAGATCGGAAGAGCGGTTCAG
chr4	1803274	1803313	FGFR3_6412	+	GTGACCTATGCACCAGACGTCGGGGTGGCTCTGGGCCTGGCAGGCGCGGTGGTTGCTGCCAGATCGGAAGAGCGGTTCAG
chr4	1803763	1803802	FGFR3_6413	+	GTGACCTATGCACCAGACGTGTGTGCACGTGGGTGCCGCCGCTGGGGCTCCTGGGCTGGCAGATCGGAAGAGCGGTTCAG
chr4	1805574	1805613	FGFR3_6414	+	GTGACCTATGCACCAGACGTCTGCTGCTGCTGCTGCTCCGCACTGTCTGGGGGACGCTGGAGATCGGAAGAGCGGTTCAG
chr4	1806258	1806297	FGFR3_6415	+	GTGACCTATGCACCAGACGTGTAGATACCAGGTTCTGAGCTGCCTGCCCGCCAGGCCTCCAGATCGGAAGAGCGGTTCAG
chr4	1806707	1806746	FGFR3_6416	+	GTGACCTATGCACCAGACGTCTGAGGGCCAGCGTTGGCTGTAGGGGGCTTGGTGGTGGGGAGATCGGAAGAGCGGTTCAG
chr4	1807214	1807253	FGFR3_6417	+	GTGACCTATGCACCAGACGTGGCGGCCAGGGGTGCAGAGCAGGGCTGGGGGCGCCGCCGCAGATCGGAAGAGCGGTTCAG
chr4	1807407	1807446	FGFR3_6418	+	GTGACCTATGCACCAGACGTTAGCGGCGGTGGTGCCGGCTGGGCGGCCCTCCTGGGCCTGAGATCGGAAGAGCGGTTCAG
chr4	1807678	1807717	FGFR3_6419	+	GTGACCTATGCACCAGACGTCGGCAGGTGTGGGTGGAGTAGGCTGGGCCCTGCCCTGAGAAGATCGGAAGAGCGGTTCAG
chr4	1807911	1807950	FGFR3_6420	+	GTGACCTATGCACCAGACGTCCCTGGGGTGCGGGGGTGGGGGTCATGCCAGTAGGACGCCAGATCGGAAGAGCGGTTCAG
chr4	1808065	1808104	FGFR3_6421	+	GTGACCTATGCACCAGACGTTGCAGAGCTCAGGCTTCAGGGGTGGAGGCGGGAACTGGGCAGATCGGAAGAGCGGTTCAG
chr4	1808421	1808460	FGFR3_6422	+	GTGACCTATGCACCAGACGTTCCCTGGCCCTCCACTGGGTCCTCAGGGGTGGGGGTCCCTAGATCGGAAGAGCGGTTCAG
chr4	1808672	1808711	FGFR3_6423	+	GTGACCTATGCACCAGACGTGCTCTGGCCTGGTGCCACCCGCCTATGCCCCTCCCCCTGCAGATCGGAAGAGCGGTTCAG
chr4	1809000	1809039	FGFR3_6424	+	GTGACCTATGCACCAGACGTGTCCCCAACAATGTGAGGGGTCCCTAGCAGCCCACCCTGCAGATCGGAAGAGCGGTTCAG
chr2	48010643	48010682	MSH6_6425	+	GTGACCTATGCACCAGACGTGGGGGTGGGGTCGAAGGCGGGGGCATAGCGGCGGGGCGCTAGATCGGAAGAGCGGTTCAG
chr2	48023213	48023252	MSH6_6426	+	GTGACCTATGCACCAGACGTGCAAGCATTCAGTTGTTATTTATGTTAGGGTGATGGGGGAAGATCGGAAGAGCGGTTCAG
chr2	48028305	48028344	MSH6_6427	+	GTGACCTATGCACCAGACGTGAACAAGCTTGTTCTCAGGCTTTGATAAGTAGTGCTGTTTAGATCGGAAGAGCGGTTCAG
chr2	48030835	48030874	MSH6_6428	+	GTGACCTATGCACCAGACGTCTTAAAGTTTTGTTATCAGAAAGTCATTTGTGACATTAGGAGATCGGAAGAGCGGTTCAG
chr2	48032177	48032216	MSH6_6429	+	GTGACCTATGCACCAGACGTTGTTTCCCACTTAAGTTCTCATTCAGTCATTTAGATGTGAAGATCGGAAGAGCGGTTCAG
chr2	48032857	48032896	MSH6_6430	+	GTGACCTATGCACCAGACGTAAACTTCTCATTTGAAGACTATCTATCTTAAAAACATTTGAGATCGGAAGAGCGGTTCAG
chr2	48033508	48033547	MSH6_6431	+	GTGACCTATGCACCAGACGTATTGTTTTTTTCCACAAATTCGGTTTTTTGAGAGGGCACTAGATCGGAAGAGCGGTTCAG
chr2	48033801	48033840	MSH6_6432	+	GTGACCTATGCACCAGACGTAACTATAATGGAATTATAACTAACTGACCTTAAGTTTCAAAGATCGGAAGAGCGGTTCAG
chr2	48034010	48034049	MSH6_6433	+	GTGACCTATGCACCAGACGTTTGGAAGCTTTGAGTTGACTTCTGACAAAGGTGGTAAATTAGATCGGAAGAGCGGTTCAG
chr2	48026184	48026223	MSH6_6434	+	GTGACCTATGCACCAGACGTAGGTGGTGATGACAGTAGTCGCCCTACTGTTTGGTATCATAGATCGGAAGAGCGGTTCAG
chr2	48026608	48026647	MSH6_6435	+	GTGACCTATGCACCAGACGTTGTAGAAAGATGGCACATATATCCAAGTATGATAGAGTGGAGATCGGAAGAGCGGTTCAG
chr2	48027032	48027071	MSH6_6436	+	GTGACCTATGCACCAGACGTTCCTTGAGGAAGAATATTTTAGGGAAAAGCTAAGTGATGGAGATCGGAAGAGCGGTTCAG
chr2	48027456	48027495	MSH6_6437	+	GTGACCTATGCACCAGACGTTTGTGCCCCACTCTGTAACCATTATGCTATTAATGATCGTAGATCGGAAGAGCGGTTCAG
chr2	48027880	48027919	MSH6_6438	+	GTGACCTATGCACCAGACGTAAGGCTCGAAAGACTGGACTTATTACTCCCAAAGCAGGCTAGATCGGAAGAGCGGTTCAG

chr3	138374379	138374418	PIK3CB_6439	+	GTGACCTATGCACCAGACGTAGGGGGAAAATATGATTTTATATAACTTTAGTAGAGATGTAGATCGGAAGAGCGGTTCAG
chr3	138375127	138375166	PIK3CB_6440	+	GTGACCTATGCACCAGACGTTGCAGCAAACCACATGAGCACAGTGTTAGAGGGGAGAGAGAGATCGGAAGAGCGGTTCAG
chr3	138376688	138376727	PIK3CB_6441	+	GTGACCTATGCACCAGACGTAATGGGATTTAATTTCCTTCATTTTTCTGGTGGGTTCCAAAGATCGGAAGAGCGGTTCAG
chr3	138382882	138382921	PIK3CB_6442	+	GTGACCTATGCACCAGACGTGAAAAGAACAGAAGCAAAAAAGGTTTTCAGCCTCCAAGCGAGATCGGAAGAGCGGTTCAG
chr3	138384056	138384095	PIK3CB_6443	+	GTGACCTATGCACCAGACGTAAAAATGGGCATAGAGTCATATTTTCCTTAAAATGAAACAAGATCGGAAGAGCGGTTCAG
chr3	138400898	138400937	PIK3CB_6444	+	GTGACCTATGCACCAGACGTACAAACTGCTTCATTACAAGTGCTTTTCCTTTTATGCCCTAGATCGGAAGAGCGGTTCAG
chr3	138402640	138402679	PIK3CB_6445	+	GTGACCTATGCACCAGACGTGTGGGGAAAATTAGTCAACTTCAGTGTAATGATACAGAAGAGATCGGAAGAGCGGTTCAG
chr3	138403656	138403695	PIK3CB_6446	+	GTGACCTATGCACCAGACGTAGTTCCCCACACCAAAAATTCATTTGACTAAAAGTAATATAGATCGGAAGAGCGGTTCAG
chr3	138407827	138407866	PIK3CB_6447	+	GTGACCTATGCACCAGACGTTTAATGATATCTGAACAGTTTGTTTATCAAACACTTCAGAAGATCGGAAGAGCGGTTCAG
chr3	138409996	138410035	PIK3CB_6448	+	GTGACCTATGCACCAGACGTCAAAAGACACAGTGAGTAACCAAACAACCTGTGCCAGAAAAGATCGGAAGAGCGGTTCAG
chr3	138413760	138413799	PIK3CB_6449	+	GTGACCTATGCACCAGACGTAATGAAACTGGTTCAGAAATAATGGGGGACAAAAGTAATCAGATCGGAAGAGCGGTTCAG
chr3	138417948	138417987	PIK3CB_6450	+	GTGACCTATGCACCAGACGTAAAATGCTCATTATAGAATTTAATTGTGCAAACACCACAGAGATCGGAAGAGCGGTTCAG
chr3	138423346	138423385	PIK3CB_6451	+	GTGACCTATGCACCAGACGTAAATTAAAGAAAATGAATTTTGGCTCTCATATTTGTAGAAAGATCGGAAGAGCGGTTCAG
chr3	138426142	138426181	PIK3CB_6452	+	GTGACCTATGCACCAGACGTCAAATAATTTTGGTTCTTAAAAAATGTCTTTAAAACTAGGAGATCGGAAGAGCGGTTCAG
chr3	138431157	138431196	PIK3CB_6453	+	GTGACCTATGCACCAGACGTAGATACCATTGCATAAATATGCTAAGAATAACTTTAAGGTAGATCGGAAGAGCGGTTCAG
chr3	138433572	138433611	PIK3CB_6454	+	GTGACCTATGCACCAGACGTGCAGACAAAAACAAAAACAAAGTCATGAATACTGTACCACAGATCGGAAGAGCGGTTCAG
chr3	138452291	138452330	PIK3CB_6455	+	GTGACCTATGCACCAGACGTATAAAATAAATACAAATTATTTTAATGAAAGAAATGAATAAGATCGGAAGAGCGGTTCAG
chr3	138453657	138453696	PIK3CB_6456	+	GTGACCTATGCACCAGACGTAAGAAAGGGGAAGGTATTGATTTTCATGCCAACACCTAAAAGATCGGAAGAGCGGTTCAG
chr3	138456739	138456778	PIK3CB_6457	+	GTGACCTATGCACCAGACGTAGGGAGATGGGGAAAAAAGCAGTAAATGTTATATTTATGCAGATCGGAAGAGCGGTTCAG
chr3	138461634	138461673	PIK3CB_6458	+	GTGACCTATGCACCAGACGTTTTTTAAAGGTGTCATTTTCAGTAACTAACAATAATAAAAAGATCGGAAGAGCGGTTCAG
chr3	138478196	138478235	PIK3CB_6459	+	GTGACCTATGCACCAGACGTGGGGCCCTAGAAATCAGTAATTAAAACATAGCAAAACAACAGATCGGAAGAGCGGTTCAG
chr5	67522848	67522887	PIK3R1_6460	+	GTGACCTATGCACCAGACGTATAAGTGGTTGCTTAATGACTCCCTTTCTTTTTCTTTTTAAGATCGGAAGAGCGGTTCAG
chr5	67569321	67569360	PIK3R1_6461	+	GTGACCTATGCACCAGACGTTGCTAGAGGGCATCAGTTCCTTTGTTCTACCCTTATTTCAAGATCGGAAGAGCGGTTCAG
chr5	67569852	67569891	PIK3R1_6462	+	GTGACCTATGCACCAGACGTCAGAGCTAGAAATGCAAATGGGAAAGACAGGTCTTGGCTTAGATCGGAAGAGCGGTTCAG
chr5	67575572	67575611	PIK3R1_6463	+	GTGACCTATGCACCAGACGTTCTCTTCTGGGAACCTCATTGAACATACATGGAGATGTAGAGATCGGAAGAGCGGTTCAG
chr5	67576568	67576607	PIK3R1_6464	+	GTGACCTATGCACCAGACGTGGAGACAAACATGTATTTTGGGGTGATGAGGGTAGTCCTAAGATCGGAAGAGCGGTTCAG
chr5	67576845	67576884	PIK3R1_6465	+	GTGACCTATGCACCAGACGTTTGAGCATTTAACATTCTCTCATTGTTCATTTTTTAGAGCAGATCGGAAGAGCGGTTCAG
chr5	67584590	67584629	PIK3R1_6466	+	GTGACCTATGCACCAGACGTTTGAATTTGTGCACTTCTCTGTTCCTTATCTGAGCGGTGCAGATCGGAAGAGCGGTTCAG
chr5	67586673	67586712	PIK3R1_6467	+	GTGACCTATGCACCAGACGTAGTATTATTGTAGAGAGTTAGTTAATTTCGTGGCTTTTTAAGATCGGAAGAGCGGTTCAG
chr5	67588200	67588239	PIK3R1_6468	+	GTGACCTATGCACCAGACGTAGAAACTTCATTTTCAGAGAGTTTTAGATTAAAAGAAAGAAGATCGGAAGAGCGGTTCAG
chr5	67589038	67589077	PIK3R1_6469	+	GTGACCTATGCACCAGACGTGAATATAGCTGAAATTAGGGTTTTGGGCTGATATTAAAACAGATCGGAAGAGCGGTTCAG
chr5	67589322	67589361	PIK3R1_6470	+	GTGACCTATGCACCAGACGTCTGAATGAATTATCCAGTTACGATGTTTAGACAAGATCCTAGATCGGAAGAGCGGTTCAG
chr5	67589673	67589712	PIK3R1_6471	+	GTGACCTATGCACCAGACGTTATGAAAATCAGATTAAAAAATAAGAGTTCTAAACTTTTAAGATCGGAAGAGCGGTTCAG
chr5	67590517	67590556	PIK3R1_6472	+	GTGACCTATGCACCAGACGTCCCTTGTTCTTGTGCTAGAGATAACCAAAATCCTCTAAAAAGATCGGAAGAGCGGTTCAG
chr5	67591163	67591202	PIK3R1_6473	+	GTGACCTATGCACCAGACGTGAAATGGAATCCTATACATGAATAATTGGTGATTGCTACAAGATCGGAAGAGCGGTTCAG
chr5	67591327	67591366	PIK3R1_6474	+	GTGACCTATGCACCAGACGTACTAAAGATGGTGATAGCAGAAGATTTTTCTCATTTTAGGAGATCGGAAGAGCGGTTCAG
chr5	67592180	67592219	PIK3R1_6475	+	GTGACCTATGCACCAGACGTCCAGCAAACTTTTCTTTACAACATCTCATGAAGAGATGTTAGATCGGAAGAGCGGTTCAG
chr5	67593440	67593479	PIK3R1_6476	+	GTGACCTATGCACCAGACGTCTTTGATCCTTCTCCTGAAGTTCAGCCACCCTGAGGCCTCAGATCGGAAGAGCGGTTCAG
chr2	128015314	128015353	ERCC3_6477	+	GTGACCTATGCACCAGACGTGGGGGAACCAGCCCATGTTAGTCTCCAGAAGAAAAGATACAGATCGGAAGAGCGGTTCAG
chr2	128017035	128017074	ERCC3_6478	+	GTGACCTATGCACCAGACGTCAAGCCAGCAGACATGCCCCTTTCTGCTCTCTCTCCCCAGAGATCGGAAGAGCGGTTCAG
chr2	128018933	128018972	ERCC3_6479	+	GTGACCTATGCACCAGACGTAAATGAGAAACGGCAATAAAGAAGACAACATTAGCCATTAAGATCGGAAGAGCGGTTCAG
chr2	128029040	128029079	ERCC3_6480	+	GTGACCTATGCACCAGACGTAAGTTGGAAGGTTTTTATATATGAGGAAAAAAAAAAAGTCAGATCGGAAGAGCGGTTCAG
chr2	128030548	128030587	ERCC3_6481	+	GTGACCTATGCACCAGACGTATGAAGCTGTGTTAGACCACAGAATAATGCCTCAGTTATCAGATCGGAAGAGCGGTTCAG
chr2	128036962	128037001	ERCC3_6482	+	GTGACCTATGCACCAGACGTGTAAGAACCAGGGGTCATTTTACAAGTTTAAACACCACACAGATCGGAAGAGCGGTTCAG
chr2	128044604	128044643	ERCC3_6483	+	GTGACCTATGCACCAGACGTCAAGAGTGCAATCCCACCCAAGGACAGGTTGAAATGAAGGAGATCGGAAGAGCGGTTCAG
chr2	128046451	128046490	ERCC3_6484	+	GTGACCTATGCACCAGACGTGGCACAAAAGGGGTTTTAAAATCTTGTTACTGTGCTCAAAAGATCGGAAGAGCGGTTCAG
chr2	128047088	128047127	ERCC3_6485	+	GTGACCTATGCACCAGACGTGGTAGGTGCTGAACGTGCACACAACATTTAATTCTGCTGTAGATCGGAAGAGCGGTTCAG
chr2	128047411	128047450	ERCC3_6486	+	GTGACCTATGCACCAGACGTGGGAGGAAGAAGGGGTCTACTGACCAGCAGGTACCTCCTGAGATCGGAAGAGCGGTTCAG
chr2	128047860	128047899	ERCC3_6487	+	GTGACCTATGCACCAGACGTAGATAACATCCAACAGGTAAATGTGCAGCTAACTCAGAACAGATCGGAAGAGCGGTTCAG
chr2	128050433	128050472	ERCC3_6488	+	GTGACCTATGCACCAGACGTCCAAATGGACAAAACAGACAAGGAAACATGAGTTGCAGAGAGATCGGAAGAGCGGTTCAG
chr2	128051305	128051344	ERCC3_6489	+	GTGACCTATGCACCAGACGTCCAACACAGAAGTAAGCCCAGCAGGAGCCTTCAGGGTTCCAGATCGGAAGAGCGGTTCAG
chr2	128051668	128051707	ERCC3_6490	+	GTGACCTATGCACCAGACGTGCAGCAGAGAGAAGATGACCCCGCTCCCACAGGCCCGCCGAGATCGGAAGAGCGGTTCAG
chr9	5022224	5022263	JAK2_6491	+	GTGACCTATGCACCAGACGTAAAAACAGCATTTTCCTTTTTATGCATGGATTGTTTTAATAGATCGGAAGAGCGGTTCAG
chr9	5029917	5029956	JAK2_6492	+	GTGACCTATGCACCAGACGTCAGTAAAGTAACTCACTTAATGCTAAAAGGCAAAATGGGAAGATCGGAAGAGCGGTTCAG
chr9	5044531	5044570	JAK2_6493	+	GTGACCTATGCACCAGACGTATTATCTTACTTGTACATGAGTTAAATGATAAATATCTTGAGATCGGAAGAGCGGTTCAG
chr9	5050842	5050881	JAK2_6494	+	GTGACCTATGCACCAGACGTTTTGCAAATCCTTACACATAAGTGTGAGTAGAGATTTTATAGATCGGAAGAGCGGTTCAG
chr9	5054895	5054934	JAK2_6495	+	GTGACCTATGCACCAGACGTATGATATGTTCTTGTTCTTTGTTATTTTAAGTACAATGGAAGATCGGAAGAGCGGTTCAG
chr9	5055799	5055838	JAK2_6496	+	GTGACCTATGCACCAGACGTTTTATGATTGAATAATGGTTTCATTTTATAGTTCTCAGAAAGATCGGAAGAGCGGTTCAG

chr9	5065051	5065090	JAK2_6497	+	GTGACCTATGCACCAGACGTCAGACTTAAAAGTAAATTTTTAGAAAAGTAAATGCTGTATAGATCGGAAGAGCGGTTCAG
chr9	5066800	5066839	JAK2_6498	+	GTGACCTATGCACCAGACGTCACACTTATTAGTGGTAACACTTTATTTAGTTCATTTAATAGATCGGAAGAGCGGTTCAG
chr9	5069219	5069258	JAK2_6499	+	GTGACCTATGCACCAGACGTTTTCTAGTTATTTTTAAATTACTGGTCATGGATTGTTTATAGATCGGAAGAGCGGTTCAG
chr9	5070063	5070102	JAK2_6500	+	GTGACCTATGCACCAGACGTAGATACTCATTACTGTCTTTTTTGTCCTTTTAAAACAACAAGATCGGAAGAGCGGTTCAG
chr9	5072637	5072676	JAK2_6501	+	GTGACCTATGCACCAGACGTTCTTTATATTGTTCATGTAGTTTATGCTGTTTAAAGATGTAGATCGGAAGAGCGGTTCAG
chr9	5073796	5073835	JAK2_6502	+	GTGACCTATGCACCAGACGTCTACAGGCTTTCTAATGCCTTTCTCAGAGCATCTGTTTTTAGATCGGAAGAGCGGTTCAG
chr9	5077591	5077630	JAK2_6503	+	GTGACCTATGCACCAGACGTCAACCTTTTTATCAAAAGATACTATTTTATTTTATAAAACAGATCGGAAGAGCGGTTCAG
chr9	5078455	5078494	JAK2_6504	+	GTGACCTATGCACCAGACGTGAAGGATTATATATAATGTTACTAAGCTTTACTTGGGCAGAGATCGGAAGAGCGGTTCAG
chr9	5080391	5080430	JAK2_6505	+	GTGACCTATGCACCAGACGTATAGACTAAGTTAGAATTACTCTATCTCTGAACTTTCATAAGATCGGAAGAGCGGTTCAG
chr9	5080694	5080733	JAK2_6506	+	GTGACCTATGCACCAGACGTGAATGATCTTATTGATTTTCCAGCTTTCTATCTTTATTGTAGATCGGAAGAGCGGTTCAG
chr9	5081872	5081911	JAK2_6507	+	GTGACCTATGCACCAGACGTAGAATTTTTTCAAATAGAGTATAATCATTTCATTTAGGAAAGATCGGAAGAGCGGTTCAG
chr9	5089874	5089913	JAK2_6508	+	GTGACCTATGCACCAGACGTCATTGAAACCTATTTTAAATTCAAGGTATGTGTTTGGCATAGATCGGAAGAGCGGTTCAG
chr9	5090581	5090620	JAK2_6509	+	GTGACCTATGCACCAGACGTTCCTGATTATTTGCTGTAGATGAAGCAACCGTGTTGAAGTAGATCGGAAGAGCGGTTCAG
chr9	5090922	5090961	JAK2_6510	+	GTGACCTATGCACCAGACGTTTCAGTATGATAAATGAAATTTTAGAGCACAGACTTCAAAAGATCGGAAGAGCGGTTCAG
chr9	5126457	5126496	JAK2_6511	+	GTGACCTATGCACCAGACGTTTTTTTAATCCAGGGTAGTCATGCATTTTCTTTTACTTTTAGATCGGAAGAGCGGTTCAG
chr9	5126802	5126841	JAK2_6512	+	GTGACCTATGCACCAGACGTCTTCATTCTGAGACCAAAGTAGATTTACAGAACAAAGTTTAGATCGGAAGAGCGGTTCAG
chr4	55524259	55524298	KIT_6513	+	GTGACCTATGCACCAGACGTGCGGCTGGCACCCCGACCGTGCGACTACTCGGCGAAGCCTAGATCGGAAGAGCGGTTCAG
chr4	55561958	55561997	KIT_6514	+	GTGACCTATGCACCAGACGTGGCTTTCTGCAGTGCTGTGCTTTCAAGAATTTAATATCCTAGATCGGAAGAGCGGTTCAG
chr4	55564742	55564781	KIT_6515	+	GTGACCTATGCACCAGACGTTTTCTTATCTGCCTCTGGGAGTTGAGAACTCACTTATCTAAGATCGGAAGAGCGGTTCAG
chr4	55565943	55565982	KIT_6516	+	GTGACCTATGCACCAGACGTCGCTTCATTCTTCTCATGTTCTGTCTCTGTGGGAGATGATAGATCGGAAGAGCGGTTCAG
chr4	55570069	55570108	KIT_6517	+	GTGACCTATGCACCAGACGTCTATGGGAATGTTTAAATTACTGGCAGTAGTGAAAGAAGAAGATCGGAAGAGCGGTTCAG
chr4	55573464	55573503	KIT_6518	+	GTGACCTATGCACCAGACGTGACCTTGCCCTGGGGGATTACACATTACCCCCTTTTCCAGAGATCGGAAGAGCGGTTCAG
chr4	55575716	55575755	KIT_6519	+	GTGACCTATGCACCAGACGTTGAAGGGCTCCTTTTAATTTTTTATTCTTTTAAAGTTGTGAGATCGGAAGAGCGGTTCAG
chr4	55589875	55589914	KIT_6520	+	GTGACCTATGCACCAGACGTTATTTTTGGCACTGCTTATAATGCAGAGGGGAAGGACTGCAGATCGGAAGAGCGGTTCAG
chr4	55592215	55592254	KIT_6521	+	GTGACCTATGCACCAGACGTAGGTATATTTCTTTTTAATCCAATTTAAGGGGATGTTTAGAGATCGGAAGAGCGGTTCAG
chr4	55592227	55592266	KIT_6522	+	GTGACCTATGCACCAGACGTTTTTAATCCAATTTAAGGGGATGTTTAGGCTCTGTCTACCAGATCGGAAGAGCGGTTCAG
chr4	55593501	55593540	KIT_6523	+	GTGACCTATGCACCAGACGTATTTGTTCTCTCTCCAGAGTGCTCTAATGACTGAGACAATAGATCGGAAGAGCGGTTCAG
chr4	55593719	55593758	KIT_6524	+	GTGACCTATGCACCAGACGTAACAGGGGCTTTCCATGTCACCTTTTTGGGTACACATAACAGATCGGAAGAGCGGTTCAG
chr4	55594104	55594143	KIT_6525	+	GTGACCTATGCACCAGACGTGTATGGTACTGCATGCGCTTGACATCAGTTTGCCAGTTGTAGATCGGAAGAGCGGTTCAG
chr4	55594298	55594337	KIT_6526	+	GTGACCTATGCACCAGACGTGTCCAAGCTGCCTTTTATTGTCTGTCAGGTTATCAAAACAAGATCGGAAGAGCGGTTCAG
chr4	55595662	55595701	KIT_6527	+	GTGACCTATGCACCAGACGTTTTACATAAATAGTTAGCTGTTGACAGGCAGTTCATGGGGAGATCGGAAGAGCGGTTCAG
chr4	55597596	55597635	KIT_6528	+	GTGACCTATGCACCAGACGTACCTATCAAGCAACCAAGAGTAACTTTACAGAGAGTATGTAGATCGGAAGAGCGGTTCAG
chr4	55599369	55599408	KIT_6529	+	GTGACCTATGCACCAGACGTATTCTCTGCTTGACAGTCCTGCAAAGGATTTTTAGTTTCAAGATCGGAAGAGCGGTTCAG
chr4	55602786	55602825	KIT_6530	+	GTGACCTATGCACCAGACGTCCTTGCCAAAGACAACTTCATTAGACTCAGAGCATCTTCTAGATCGGAAGAGCGGTTCAG
chr4	55602997	55603036	KIT_6531	+	GTGACCTATGCACCAGACGTAAAAATTTTTCCTTTAGGTCACGTTTTCCCTTTTATTTTTAGATCGGAAGAGCGGTTCAG
chr4	55603457	55603496	KIT_6532	+	GTGACCTATGCACCAGACGTCCTGGCCAGGCATAGAATCCCCCTTCTCCCAGTTCCAGGTAGATCGGAAGAGCGGTTCAG
chr4	55604734	55604773	KIT_6533	+	GTGACCTATGCACCAGACGTTGTTTGGGTCACCCCTCCAGGAATGATCTCTTCTTTTGGCAGATCGGAAGAGCGGTTCAG
chr10	43572790	43572829	RET_6534	+	GTGACCTATGCACCAGACGTCCGGCCGCCGGCTCCCGCAGGGGCCAGGGCGAAGTTGGCGAGATCGGAAGAGCGGTTCAG
chr10	43596181	43596220	RET_6535	+	GTGACCTATGCACCAGACGTCGCCCCAACACCCACCCCGTGCCCCACCCCACCCCTTCCTAGATCGGAAGAGCGGTTCAG
chr10	43598088	43598127	RET_6536	+	GTGACCTATGCACCAGACGTACCTTGTGGGGCCGCCCCACAGTGCCTGCTACTGCTGGTCAGATCGGAAGAGCGGTTCAG
chr10	43600652	43600691	RET_6537	+	GTGACCTATGCACCAGACGTGCGCGTGCTGTGGTCTACCCAGTGTCTGTCTCCGGCCACAAGATCGGAAGAGCGGTTCAG
chr10	43602030	43602069	RET_6538	+	GTGACCTATGCACCAGACGTCTGGTGGCACGGCCTGGCTAGGCCCCCAGGAAATGAGGTGAGATCGGAAGAGCGGTTCAG
chr10	43604689	43604728	RET_6539	+	GTGACCTATGCACCAGACGTACCTATTGCCTGTCTGGGGAAGATTGAAAGGCCAAGGGACAGATCGGAAGAGCGGTTCAG
chr10	43606924	43606963	RET_6540	+	GTGACCTATGCACCAGACGTGCTCCAGGGAGGGAGGGTCGGGGTCCTGGGGGCTTCTGGAAGATCGGAAGAGCGGTTCAG
chr10	43607683	43607722	RET_6541	+	GTGACCTATGCACCAGACGTGAAACGCCCAAGGGAGGCCTGCAGGGGCGATGGCACCGGTAGATCGGAAGAGCGGTTCAG
chr10	43608422	43608461	RET_6542	+	GTGACCTATGCACCAGACGTTTTAATCAGGGCATGGGAACAGGTAGGAGATAGTAGGGGAAGATCGGAAGAGCGGTTCAG
chr10	43609134	43609173	RET_6543	+	GTGACCTATGCACCAGACGTGGCGGCCGGGACCACCACCACCTCCCAGCCCCACAGAGGTAGATCGGAAGAGCGGTTCAG
chr10	43610195	43610234	RET_6544	+	GTGACCTATGCACCAGACGTCTGCGGGGCAGGGAAGATCCCCTGCCCTCCCCAGCTGCCTAGATCGGAAGAGCGGTTCAG
chr10	43612190	43612229	RET_6545	+	GTGACCTATGCACCAGACGTGGCACAGGCACAGTGCCCCTGGGGGAGTCTCCGGGGCGGGAGATCGGAAGAGCGGTTCAG
chr10	43613939	43613978	RET_6546	+	GTGACCTATGCACCAGACGTCTGCAGGGTGAGGTGGGCAGCCACTGCACCCAGGCTGGGGAGATCGGAAGAGCGGTTCAG
chr10	43615662	43615701	RET_6547	+	GTGACCTATGCACCAGACGTCCGGGGATGAGGCGGGGCTCCCAGGGATCCCAGGTGCACCAGATCGGAAGAGCGGTTCAG
chr10	43617475	43617514	RET_6548	+	GTGACCTATGCACCAGACGTGTGTTGCTCTCTTGGGGTGGAGGTTACAGAAACACCCTTAAGATCGGAAGAGCGGTTCAG
chr10	43619267	43619306	RET_6549	+	GTGACCTATGCACCAGACGTACTGGCTTTGGCCCAGCCTCACTTGGGAAGGGAGGGGACAAGATCGGAAGAGCGGTTCAG
chr10	43620441	43620480	RET_6550	+	GTGACCTATGCACCAGACGTGGGTCCAATTCCCACAAGCTGAAAGTGGCTTGGGGAGACTAGATCGGAAGAGCGGTTCAG
chr10	43622181	43622220	RET_6551	+	GTGACCTATGCACCAGACGTCCATGCATTTACTAGATTCTAGCACCGCTGTCCCCTTTGCAGATCGGAAGAGCGGTTCAG
chr10	43623728	43623767	RET_6552	+	GTGACCTATGCACCAGACGTTGAAAGGTAATGGACTCACAAGGGGAAGAAACATGCTGAGAGATCGGAAGAGCGGTTCAG
chr14	105236768	105236807	AKT1_6553	+	GTGACCTATGCACCAGACGTAGACAGCTCAGACCCCGGTGCCCCACCTCCCTGCCACCTCAGATCGGAAGAGCGGTTCAG
chr14	105237195	105237234	AKT1_6554	+	GTGACCTATGCACCAGACGTGGGCAGACGGGACAGTCATGAGCTTCGCTCCCCACTCCCAAGATCGGAAGAGCGGTTCAG

chr14	105238800	105238839	AKT1_6555	+	GTGACCTATGCACCAGACGTGAAACAAGGCCACAGTGTCGGTACCGCCACCTGCCCAGGCAGATCGGAAGAGCGGTTCAG
chr14	105239440	105239479	AKT1_6556	+	GTGACCTATGCACCAGACGTGGCAGATGGGCAGGACTCGGCATCAAGGGGTGTCCGGGACAGATCGGAAGAGCGGTTCAG
chr14	105239727	105239766	AKT1_6557	+	GTGACCTATGCACCAGACGTGGTGGCCTCAGGTCAGTGCCGCCAGGCCCCCAGGGCCCTGAGATCGGAAGAGCGGTTCAG
chr14	105239928	105239967	AKT1_6558	+	GTGACCTATGCACCAGACGTCGCAACCTGAGGCACAGCCGTGGCTCGGGCCTCTGCCCCCAGATCGGAAGAGCGGTTCAG
chr14	105240328	105240367	AKT1_6559	+	GTGACCTATGCACCAGACGTGGGGAGCTGGAACTGCGGCCCCACAGGCAGGACGGCAGCCAGATCGGAAGAGCGGTTCAG
chr14	105241351	105241390	AKT1_6560	+	GTGACCTATGCACCAGACGTGGGCTGGGTGAGCTGCCACCCCGCACCCTCATCTCCACCCAGATCGGAAGAGCGGTTCAG
chr14	105241555	105241594	AKT1_6561	+	GTGACCTATGCACCAGACGTGCACCAGGGTCAGCAAGCGGCGCTGCCAACAGTGCCCAGCAGATCGGAAGAGCGGTTCAG
chr14	105242147	105242186	AKT1_6562	+	GTGACCTATGCACCAGACGTTCAGGTGAGGCTGCAGGCCTGTACCAGATCAGGAGCTCCAAGATCGGAAGAGCGGTTCAG
chr14	105243118	105243157	AKT1_6563	+	GTGACCTATGCACCAGACGTGCAGAGCCTCTGTCTGCGTGCATCCCCCTGCCCCTCCCAGAGATCGGAAGAGCGGTTCAG
chr14	105246564	105246603	AKT1_6564	+	GTGACCTATGCACCAGACGTGCGGGTGGTGAGAGCCACGCACACTCTACCCGTCAGACCCAGATCGGAAGAGCGGTTCAG
chr14	105258991	105259030	AKT1_6565	+	GTGACCTATGCACCAGACGTGCTCCCGCGACGCTCACGCGCTCCTCTCAGGCTGGCGCTCAGATCGGAAGAGCGGTTCAG
chr20	39766509	39766548	PLCG1_6566	+	GTGACCTATGCACCAGACGTCCACTTCCTGCCTGGGCCCGCCCCGCGCGGGGGTCGTGGGAGATCGGAAGAGCGGTTCAG
chr20	39788409	39788448	PLCG1_6567	+	GTGACCTATGCACCAGACGTAGGGGGTAGAGGAGGTAGAGGATAGTTAGGGGAATGCCTGAGATCGGAAGAGCGGTTCAG
chr20	39788614	39788653	PLCG1_6568	+	GTGACCTATGCACCAGACGTCTCCTGAAGGGGTTAGGGCTGGGAGCATTAGGGACCAGGGAGATCGGAAGAGCGGTTCAG
chr20	39788804	39788843	PLCG1_6569	+	GTGACCTATGCACCAGACGTAGCTGTGGCTGTAGCCCAGCAGGGTGGGGATGGGCATCCAAGATCGGAAGAGCGGTTCAG
chr20	39791187	39791226	PLCG1_6570	+	GTGACCTATGCACCAGACGTCCCAGGGCTGTCTGTAGATGGGGGCAGGGGAAGCCAAGAGAGATCGGAAGAGCGGTTCAG
chr20	39791376	39791415	PLCG1_6571	+	GTGACCTATGCACCAGACGTCACCTGCCCTCCCTCAACCCCTGCCCCTGCTCTTCCACCCAGATCGGAAGAGCGGTTCAG
chr20	39791643	39791682	PLCG1_6572	+	GTGACCTATGCACCAGACGTGAGTGGGGAGGTGGGGTTTTCCCTGGGCCCCCTTCATCTCAGATCGGAAGAGCGGTTCAG
chr20	39791926	39791965	PLCG1_6573	+	GTGACCTATGCACCAGACGTGCTGACATTGGCCCAGGCTGGTAGGTTGTGGGGGGCTGGGAGATCGGAAGAGCGGTTCAG
chr20	39792130	39792169	PLCG1_6574	+	GTGACCTATGCACCAGACGTTGTTTCACCCATTTTTTGTCAAGAGAATGAGTAGGGGTGAAGATCGGAAGAGCGGTTCAG
chr20	39792484	39792523	PLCG1_6575	+	GTGACCTATGCACCAGACGTCTCCTTCAGGCCCACCCAGCTTCTTCCCCAGGAGGGCCCAAGATCGGAAGAGCGGTTCAG
chr20	39792657	39792696	PLCG1_6576	+	GTGACCTATGCACCAGACGTTCCAGGGCTGGGGGAGGGAAGATGGGAGGCCTGCCCGCTTAGATCGGAAGAGCGGTTCAG
chr20	39792852	39792891	PLCG1_6577	+	GTGACCTATGCACCAGACGTGGCTGGATGACCCAGGGGTTAACTTGGCTCCAGGTCTCTCAGATCGGAAGAGCGGTTCAG
chr20	39793752	39793791	PLCG1_6578	+	GTGACCTATGCACCAGACGTGGGCTTATTGCGGAAGCCCCACACTTCTCAGTGCCTTGCCAGATCGGAAGAGCGGTTCAG
chr20	39794018	39794057	PLCG1_6579	+	GTGACCTATGCACCAGACGTGGCCAGGCTGGGGGTGGTAGGCCAGTGGGTGTGAGGACCCAGATCGGAAGAGCGGTTCAG
chr20	39794202	39794241	PLCG1_6580	+	GTGACCTATGCACCAGACGTAGCTCAGGTCTGGGGGCTGGGCCAGGTCAGGCCTGGGCCAAGATCGGAAGAGCGGTTCAG
chr20	39794477	39794516	PLCG1_6581	+	GTGACCTATGCACCAGACGTCCATGCAGATGCGTATGTTCAGTCAGCGTGTGTACACAGAAGATCGGAAGAGCGGTTCAG
chr20	39795045	39795084	PLCG1_6582	+	GTGACCTATGCACCAGACGTGGCCTGGGGGCGGACAAGGCAGGGCAGGGCCATGGGTGGTAGATCGGAAGAGCGGTTCAG
chr20	39795246	39795285	PLCG1_6583	+	GTGACCTATGCACCAGACGTTGGCACTGGGTTGTGGGGCCTTGCTTGGGTCTGAGCTGCCAGATCGGAAGAGCGGTTCAG
chr20	39795510	39795549	PLCG1_6584	+	GTGACCTATGCACCAGACGTTGTGGTAGACGGGGCATGGCAGGGGAGGCAGGAGAGACCCAGATCGGAAGAGCGGTTCAG
chr20	39796580	39796619	PLCG1_6585	+	GTGACCTATGCACCAGACGTGGCCTCTGGGCATAGGAAGCTGGGGAGGGTCCCCAGCTGCAGATCGGAAGAGCGGTTCAG
chr20	39797521	39797560	PLCG1_6586	+	GTGACCTATGCACCAGACGTGGTGTGGTAGGCCCAGAGTCCAAGGGCCCCAGTGGAGCTGAGATCGGAAGAGCGGTTCAG
chr20	39797826	39797865	PLCG1_6587	+	GTGACCTATGCACCAGACGTAACCACCTGAGTAACAGCATTCCCTATTCCCAGATTCTCCAGATCGGAAGAGCGGTTCAG
chr20	39798177	39798216	PLCG1_6588	+	GTGACCTATGCACCAGACGTATCTGTTTCTCTTGCCCACTGTTCCCTAGGGTGAGATTCTAGATCGGAAGAGCGGTTCAG
chr20	39798920	39798959	PLCG1_6589	+	GTGACCTATGCACCAGACGTGCTGGAACCTTCTGGGGGGCAGTGTGTGGGCCCGTCAGGCAGATCGGAAGAGCGGTTCAG
chr20	39800940	39800979	PLCG1_6590	+	GTGACCTATGCACCAGACGTGGGCCCAGGCGGGGTGTGCATGTGCCTGGAGGGCCTGGTGAGATCGGAAGAGCGGTTCAG
chr20	39801296	39801335	PLCG1_6591	+	GTGACCTATGCACCAGACGTCCCCTGTGAGGAGGGTGAGGAGGGGCACTGTGGGGCAGCTAGATCGGAAGAGCGGTTCAG
chr20	39801528	39801567	PLCG1_6592	+	GTGACCTATGCACCAGACGTCTCATCTGGGCTTCAGGGTAGGAAAGGGGCTGCTTGCCGTAGATCGGAAGAGCGGTTCAG
chr20	39802185	39802224	PLCG1_6593	+	GTGACCTATGCACCAGACGTCTTCCCAGTCATCCTCCTCATCCTGCTGGGGCACTGCAAGAGATCGGAAGAGCGGTTCAG
chr20	39802464	39802503	PLCG1_6594	+	GTGACCTATGCACCAGACGTTTCCTGGAGGCAGTGCCCCTGCAATCTTGCTGGCAGGGTGAGATCGGAAGAGCGGTTCAG
chr20	39802662	39802701	PLCG1_6595	+	GTGACCTATGCACCAGACGTCAGGGGTGGGCTGGCCTGGGGTAGGTGGGAGGAGAGCCAGAGATCGGAAGAGCGGTTCAG
chr20	39802962	39803001	PLCG1_6596	+	GTGACCTATGCACCAGACGTTGGAGGGGTGCTAGAGCCAGGAAGGCAGTGGCTAGGTCCTAGATCGGAAGAGCGGTTCAG
chr20	39803160	39803199	PLCG1_6597	+	GTGACCTATGCACCAGACGTGCCTCGTTGGAGAGCAGCAGGTGCTGTGCGCCTTGTAGAAAGATCGGAAGAGCGGTTCAG
chr19	11095060	11095099	SMARCA4_6598	+	GTGACCTATGCACCAGACGTCTGTGCCCGCCTCGCACCTGCGGCCTCTGCCCACTAGGGCAGATCGGAAGAGCGGTTCAG
chr19	11096092	11096131	SMARCA4_6599	+	GTGACCTATGCACCAGACGTGCGTTCCTTCCTGCCTTGTGTTTGTCATACTCCAGAGTCCAGATCGGAAGAGCGGTTCAG
chr19	11097280	11097319	SMARCA4_6600	+	GTGACCTATGCACCAGACGTCTGCCCTGGCCCTCAGGTGTCTCAGAGCGAATGGCTGGGGAGATCGGAAGAGCGGTTCAG
chr19	11097690	11097729	SMARCA4_6601	+	GTGACCTATGCACCAGACGTTCTTCTATGGTGGTGCACCCGTGCCCTTACTCCCCATCTCAGATCGGAAGAGCGGTTCAG
chr19	11098611	11098650	SMARCA4_6602	+	GTGACCTATGCACCAGACGTGGCCCAGTTGCCAAGGTCACTGCCCTGTGTCCCCCATGTCAGATCGGAAGAGCGGTTCAG
chr19	11100130	11100169	SMARCA4_6603	+	GTGACCTATGCACCAGACGTGCATGGCCGCAGCTTTCCGAAAAGGGCCTTTGTCACCAACAGATCGGAAGAGCGGTTCAG
chr19	11102010	11102049	SMARCA4_6604	+	GTGACCTATGCACCAGACGTGTGGCCCCAAGGCCCTGCAGCCCGCCCACCTGGCTGCCTGAGATCGGAAGAGCGGTTCAG
chr19	11105688	11105727	SMARCA4_6605	+	GTGACCTATGCACCAGACGTGCCTTCTTGACGTGCGCTCTTCTACATGTGTAGCTGGTACAGATCGGAAGAGCGGTTCAG
chr19	11107067	11107106	SMARCA4_6606	+	GTGACCTATGCACCAGACGTCCTGGCATGGTGCCCGCCGCGGGTGGGATGGGAGCAGCCGAGATCGGAAGAGCGGTTCAG
chr19	11107231	11107270	SMARCA4_6607	+	GTGACCTATGCACCAGACGTAGGGTTTCTTGTGGAAGTATCAAGCTAGCCCTAAGGCGTTAGATCGGAAGAGCGGTTCAG
chr19	11113846	11113885	SMARCA4_6608	+	GTGACCTATGCACCAGACGTCCTTGCATTCCAGATGCAGTGGGGATCCAAGTCCTCGGTGAGATCGGAAGAGCGGTTCAG
chr19	11114084	11114123	SMARCA4_6609	+	GTGACCTATGCACCAGACGTATTTCCTGGCTTTCAAGGCTCTCAGTGCCCACTGGCAGTGAGATCGGAAGAGCGGTTCAG
chr19	11118710	11118749	SMARCA4_6610	+	GTGACCTATGCACCAGACGTCCGACACAGGTTGTTCTGTGCCAGCTTCCTGTGAGGTGGCAGATCGGAAGAGCGGTTCAG
chr19	11121218	11121257	SMARCA4_6611	+	GTGACCTATGCACCAGACGTGGGTGGGGAGGCCACCGCCACGTAGCTGCCTCGGTGCAGGAGATCGGAAGAGCGGTTCAG
chr19	11129710	11129749	SMARCA4_6612	+	GTGACCTATGCACCAGACGTGCCACTGAGGTTTCCTCTCTTGCTACGGAGGTGCAGGCGGAGATCGGAAGAGCGGTTCAG

chr19	11130388	11130427	SMARCA4_6613	+	GTGACCTATGCACCAGACGTCCTGTGGGAAATGCCAGGCCATGGGCCGAGTGCTCACACGAGATCGGAAGAGCGGTTCAG
chr19	11132654	11132693	SMARCA4_6614	+	GTGACCTATGCACCAGACGTCCAGCTGTGCCCATGCTGACGGTTCCAGGTGCGGCTGGCTAGATCGGAAGAGCGGTTCAG
chr19	11134318	11134357	SMARCA4_6615	+	GTGACCTATGCACCAGACGTTTTGAGGGGAGCCACCAGTGAAGCAGCCTCACGTGGGGGCAGATCGGAAGAGCGGTTCAG
chr19	11135125	11135164	SMARCA4_6616	+	GTGACCTATGCACCAGACGTGAGTCCCCCAACTGCATTCCCCACTGGGTGTCCAAGGCCGAGATCGGAAGAGCGGTTCAG
chr19	11136195	11136234	SMARCA4_6617	+	GTGACCTATGCACCAGACGTCGCGGCTGGGACGGCTCAGGCCCTGCTGTCTGCTGAGCTCAGATCGGAAGAGCGGTTCAG
chr19	11137033	11137072	SMARCA4_6618	+	GTGACCTATGCACCAGACGTTCCCAACTGGATGGGGTGGGCAGGTGGTCCACCCAGAGGTAGATCGGAAGAGCGGTTCAG
chr19	11138637	11138676	SMARCA4_6619	+	GTGACCTATGCACCAGACGTGCCAGTGAGGCGTTTCTTACAGGGTTTTGTTGTTGTGGCTAGATCGGAAGAGCGGTTCAG
chr19	11141580	11141619	SMARCA4_6620	+	GTGACCTATGCACCAGACGTGCCGGGCCCCAGGTCGAGGAGAAGGAAGGGGGTGCCTGCAAGATCGGAAGAGCGGTTCAG
chr19	11144204	11144243	SMARCA4_6621	+	GTGACCTATGCACCAGACGTCACCGGCCCCGACCCCTCCCCAGCGTGAATGGTGGACGCGAGATCGGAAGAGCGGTTCAG
chr19	11144887	11144926	SMARCA4_6622	+	GTGACCTATGCACCAGACGTCAGGCTGGATGGGGCAGTTCAGGCATCCCACTCTGCTGCCAGATCGGAAGAGCGGTTCAG
chr19	11145819	11145858	SMARCA4_6623	+	GTGACCTATGCACCAGACGTGAGAGGCCCAGCAGCTGCCGCAGGCCAGCGCCAGGCAGGGAGATCGGAAGAGCGGTTCAG
chr19	11152247	11152286	SMARCA4_6624	+	GTGACCTATGCACCAGACGTAGGCGGGGAGGGCGGGGGCTGTAGGGGTCCCCGTGGGAGCAGATCGGAAGAGCGGTTCAG
chr19	11169050	11169089	SMARCA4_6625	+	GTGACCTATGCACCAGACGTCGTTGTACCTGCGCCCCGCATGTGCCCGGAGGGGAGTCTGAGATCGGAAGAGCGGTTCAG
chr19	11169576	11169615	SMARCA4_6626	+	GTGACCTATGCACCAGACGTCGCTGGGGGTTGGGGATGGGCCACTCCCACAGCTGGGCTTAGATCGGAAGAGCGGTTCAG
chr19	11170572	11170611	SMARCA4_6627	+	GTGACCTATGCACCAGACGTGGGGGGTTCAGGACGCCGGGGTTCACGCTGGCCCGAGAGCAGATCGGAAGAGCGGTTCAG
chr19	11170874	11170913	SMARCA4_6628	+	GTGACCTATGCACCAGACGTGCCCCCGAGCAGGCAGAGCTGGCATGTGGCAGGAGGCATCAGATCGGAAGAGCGGTTCAG
chr19	11172503	11172542	SMARCA4_6629	+	GTGACCTATGCACCAGACGTTCCAGTCTCGACCCCGAGCCCCTCGTTCCAGAGCTGAGATAGATCGGAAGAGCGGTTCAG
chr16	68771377	68771416	CDH1_6630	+	GTGACCTATGCACCAGACGTTCCCCTGACTTGCGAGGGACGCATTCGGGCCGCAAGCTCCAGATCGGAAGAGCGGTTCAG
chr16	68772325	68772364	CDH1_6631	+	GTGACCTATGCACCAGACGTGCTGCCGGTGTCCCTGGGCGGAGTAGGGAGGGGTTGGAAAAGATCGGAAGAGCGGTTCAG
chr16	68835807	68835846	CDH1_6632	+	GTGACCTATGCACCAGACGTATTTTTCTGAGAAGTTCGCTGTTGTTTTAGTGCGCTGTCTAGATCGGAAGAGCGGTTCAG
chr16	68842481	68842520	CDH1_6633	+	GTGACCTATGCACCAGACGTAAGTTCTCTGTTTCTCTGGGAGGGATTTGGCAGAGAAGTAAGATCGGAAGAGCGGTTCAG
chr16	68842762	68842801	CDH1_6634	+	GTGACCTATGCACCAGACGTCTTAGAAGCTTGTTGACACCGGGGTAACATCCACCCAGGAAGATCGGAAGAGCGGTTCAG
chr16	68844255	68844294	CDH1_6635	+	GTGACCTATGCACCAGACGTTAATGAGAATCTGAATACTCAGAAAGACTCTTAGGTTCTTAGATCGGAAGAGCGGTTCAG
chr16	68845773	68845812	CDH1_6636	+	GTGACCTATGCACCAGACGTAGGAGGATCCAGAGGGTGTGGAGGACAAATGTGTATTAGCAGATCGGAAGAGCGGTTCAG
chr16	68846177	68846216	CDH1_6637	+	GTGACCTATGCACCAGACGTAACTCCTTAGAGGGTTTCCAAAGAAAGGTCTTTTGTTGTTAGATCGGAAGAGCGGTTCAG
chr16	68847409	68847448	CDH1_6638	+	GTGACCTATGCACCAGACGTTACCTGGCAAGATGCAGAAACTGGCATCCTCACAGCTGTTAGATCGGAAGAGCGGTTCAG
chr16	68849673	68849712	CDH1_6639	+	GTGACCTATGCACCAGACGTGGATTTTTCAACTGACTTGCAGCAACTGGTTATTTTATATAGATCGGAAGAGCGGTTCAG
chr16	68853339	68853378	CDH1_6640	+	GTGACCTATGCACCAGACGTCTCATCTGAGCCTTTGCTGCCTCGACCTCCTAGCTAGTTCAGATCGGAAGAGCGGTTCAG
chr16	68856139	68856178	CDH1_6641	+	GTGACCTATGCACCAGACGTGAGTTTTATTTTGGCAACTTTGCTCCAACTGCCATGCTTCAGATCGGAAGAGCGGTTCAG
chr16	68857540	68857579	CDH1_6642	+	GTGACCTATGCACCAGACGTCTGGCAAGTGACTCAGCCTTTGACTTAAAAAAATGGAGGAAGATCGGAAGAGCGGTTCAG
chr16	68862218	68862257	CDH1_6643	+	GTGACCTATGCACCAGACGTAAAACCTTGGTAGCTCAGTGGTGATCTCTTTATTCGGAAGAGATCGGAAGAGCGGTTCAG
chr16	68863711	68863750	CDH1_6644	+	GTGACCTATGCACCAGACGTCACGTGGAAAGCCAAAGCATGGCTCATCTCTAAGCTCAGGAGATCGGAAGAGCGGTTCAG
chr16	68867413	68867452	CDH1_6645	+	GTGACCTATGCACCAGACGTAGAGGCGGGCCCCAGACCCATGTGCTGGGAAATGCAGAAAAGATCGGAAGAGCGGTTCAG
chr6	36652334	36652373	CDKN1A_6646	+	GTGACCTATGCACCAGACGTGTGCACGGAAGGACTTTGTAAGGGACCAGGATTCTCAGAAAGATCGGAAGAGCGGTTCAG
chr6	36653588	36653627	CDKN1A_6647	+	GTGACCTATGCACCAGACGTGGAAGCCTGCAGTCCTGGAAGCGCGAGGGCCTCAAAGGCCAGATCGGAAGAGCGGTTCAG
chr19	10244388	10244427	DNMT1_6648	+	GTGACCTATGCACCAGACGTATAAAAGGAAAAGTCACTCTGGGGAACACGCCCGGTGTCAAGATCGGAAGAGCGGTTCAG
chr19	10244994	10245033	DNMT1_6649	+	GTGACCTATGCACCAGACGTGGAGAAGGGCAATGCCTGATGTGGACACCCAGGCCCAAGGAGATCGGAAGAGCGGTTCAG
chr19	10246539	10246578	DNMT1_6650	+	GTGACCTATGCACCAGACGTGAGGCGCGGTGGGCGAGGGCAGTAGCACCCAGGCCGGGTCAGATCGGAAGAGCGGTTCAG
chr19	10246974	10247013	DNMT1_6651	+	GTGACCTATGCACCAGACGTGGACAGTGATGAGGCTGCAGTTGTGGGATGGGGTATAGGCAGATCGGAAGAGCGGTTCAG
chr19	10247967	10248006	DNMT1_6652	+	GTGACCTATGCACCAGACGTGTGGGGGGCCCAGCTGTCACCTCATGTGAGCAGCATCCGAAGATCGGAAGAGCGGTTCAG
chr19	10248696	10248735	DNMT1_6653	+	GTGACCTATGCACCAGACGTGGAGGAGGTCAACACCTCTGGAGATGCACGCAGCAGCTGTAGATCGGAAGAGCGGTTCAG
chr19	10249292	10249331	DNMT1_6654	+	GTGACCTATGCACCAGACGTGAAGGACGGACAACCCCACCGTCAGTGGGACACTCCCAACAGATCGGAAGAGCGGTTCAG
chr19	10250504	10250543	DNMT1_6655	+	GTGACCTATGCACCAGACGTCAGGAGAGACTGCAGGAGTCACCTCCACAGACAGAGGGAAAGATCGGAAGAGCGGTTCAG
chr19	10251596	10251635	DNMT1_6656	+	GTGACCTATGCACCAGACGTGAGGCCAGAGGCTAAACCCGATCCTCAGAGTCCAAGTCCAAGATCGGAAGAGCGGTTCAG
chr19	10251876	10251915	DNMT1_6657	+	GTGACCTATGCACCAGACGTGAGAACTGCAATCGTTTGGGAGAGAAACGCACTGTCCCCTAGATCGGAAGAGCGGTTCAG
chr19	10252907	10252946	DNMT1_6658	+	GTGACCTATGCACCAGACGTGAGAGGCCTCGTTAGGAGCTCTCCTTTGTGGTGAGCTTATAGATCGGAAGAGCGGTTCAG
chr19	10254674	10254713	DNMT1_6659	+	GTGACCTATGCACCAGACGTGCACCCACTTGACATCAATGAACCTTCCACCTTGCAGTGGAGATCGGAAGAGCGGTTCAG
chr19	10257211	10257250	DNMT1_6660	+	GTGACCTATGCACCAGACGTCAAAGGGACAGAAACATAAGGCCCTGAGGTGGCCGGCAGTAGATCGGAAGAGCGGTTCAG
chr19	10260344	10260383	DNMT1_6661	+	GTGACCTATGCACCAGACGTAAGACGGGCATGGGGAGAAAGTTCTGACTTGGCCAGCAGAAGATCGGAAGAGCGGTTCAG
chr19	10260655	10260694	DNMT1_6662	+	GTGACCTATGCACCAGACGTGAGCATAAGTTCATGGAGGATCATTCTGAGGGTCTTTGCTAGATCGGAAGAGCGGTTCAG
chr19	10262232	10262271	DNMT1_6663	+	GTGACCTATGCACCAGACGTACTGGTTATACCTAAGGCCCCTTTTCTAAGTAAGACCAACAGATCGGAAGAGCGGTTCAG
chr19	10265166	10265205	DNMT1_6664	+	GTGACCTATGCACCAGACGTGGTTCCAGCATCTCAGAGGACTGGGACAGAGGATGTGGGCAGATCGGAAGAGCGGTTCAG
chr19	10265460	10265499	DNMT1_6665	+	GTGACCTATGCACCAGACGTAACAGGTTTCTCTCATGCTTAAGCCAAACTGGCCTAAATCAGATCGGAAGAGCGGTTCAG
chr19	10265743	10265782	DNMT1_6666	+	GTGACCTATGCACCAGACGTCAGAGGAGGTGTGGAAAAGGGGCTGGAATCTGATGGCGCCAGATCGGAAGAGCGGTTCAG
chr19	10266632	10266671	DNMT1_6667	+	GTGACCTATGCACCAGACGTAAAAGGAAATGGACTAAAGGCTCTGACTCACATCCCAAACAGATCGGAAGAGCGGTTCAG
chr19	10267196	10267235	DNMT1_6668	+	GTGACCTATGCACCAGACGTAACAAAGCACATGCTTACCAGCTAAGCCGTGAAGGCGGGTAGATCGGAAGAGCGGTTCAG
chr19	10270454	10270493	DNMT1_6669	+	GTGACCTATGCACCAGACGTCGGGGCTGGTGAGCAGTGGGACAAGGGACAGGCAGAGGAAAGATCGGAAGAGCGGTTCAG
chr19	10270609	10270648	DNMT1_6670	+	GTGACCTATGCACCAGACGTAGGAACACAGATGATGGCACTCAGAGAGCAGCTCCCAGCCAGATCGGAAGAGCGGTTCAG

chr19	10270750	10270789	DNMT1_6671	+	GTGACCTATGCACCAGACGTAAAAAAAATCACAAGATCGTTTGTTTAATTGTTTCAGAAAAGATCGGAAGAGCGGTTCAG
chr19	10271105	10271144	DNMT1_6672	+	GTGACCTATGCACCAGACGTAAAACAAAAGAGGATTAAAGGCTAAGAGAGTGTTTTACACAGATCGGAAGAGCGGTTCAG
chr19	10273435	10273474	DNMT1_6673	+	GTGACCTATGCACCAGACGTAACAGATACACAGCAAGTAGCAGCTTAGAAACACTAACCAAGATCGGAAGAGCGGTTCAG
chr19	10274047	10274086	DNMT1_6674	+	GTGACCTATGCACCAGACGTAATAAGGGGGAGGTAGAGAGATAAAGAAGGGAAAAAATTAAGATCGGAAGAGCGGTTCAG
chr19	10277372	10277411	DNMT1_6675	+	GTGACCTATGCACCAGACGTAGACAACACACACACAGGCTGGTCAGCTCGGGGGGGGCCCAGATCGGAAGAGCGGTTCAG
chr19	10279051	10279090	DNMT1_6676	+	GTGACCTATGCACCAGACGTGGGAAAAAAGACAAGTTAATTTTTTCCATTTGGTTTGGATAGATCGGAAGAGCGGTTCAG
chr19	10283861	10283900	DNMT1_6677	+	GTGACCTATGCACCAGACGTAAATAACACAGACCCCAAGTGTGAGTGCCAGGAGCTTCCCAGATCGGAAGAGCGGTTCAG
chr19	10284592	10284631	DNMT1_6678	+	GTGACCTATGCACCAGACGTGGAAGGAAGAACAAAAAAGATTAGAATACTGGTTTCAAGGAGATCGGAAGAGCGGTTCAG
chr19	10286305	10286344	DNMT1_6679	+	GTGACCTATGCACCAGACGTCAGTGAGGCCAACCATTAGTGGAACAAGACCCTAGGCCTCAGATCGGAAGAGCGGTTCAG
chr19	10288054	10288093	DNMT1_6680	+	GTGACCTATGCACCAGACGTAAGAAAAAGCATTAAAAAGAAAAAAAAAAGCCACTATCAAAGATCGGAAGAGCGGTTCAG
chr19	10291256	10291295	DNMT1_6681	+	GTGACCTATGCACCAGACGTAAAGGATAATTTAAGTAGCAGTGAATGTAAACAAGTGTCAAGATCGGAAGAGCGGTTCAG
chr19	10291572	10291611	DNMT1_6682	+	GTGACCTATGCACCAGACGTGATATAGGTTTAGCAGTACCCACATTCCCAAGCTATTCACAGATCGGAAGAGCGGTTCAG
chr19	10292764	10292803	DNMT1_6683	+	GTGACCTATGCACCAGACGTGAAATAGGGGAGAAAATACAAACACTTGTTAAGCAACTTCAGATCGGAAGAGCGGTTCAG
chr19	10305586	10305625	DNMT1_6684	+	GTGACCTATGCACCAGACGTTCAGCAGACGCGGCGGCGGCAGCGCAGGCGCCCCGGCTTTAGATCGGAAGAGCGGTTCAG
chr12	56474177	56474216	ERBB3_6685	+	GTGACCTATGCACCAGACGTCGAGAGCACCGGCGGGCTCGGCACCTGGGAGCCGGAACCCAGATCGGAAGAGCGGTTCAG
chr12	56477697	56477736	ERBB3_6686	+	GTGACCTATGCACCAGACGTCCACCCTCCTTCCTCAACCTGCTCCTCTTTATTCTCCCCTAGATCGGAAGAGCGGTTCAG
chr12	56478976	56479015	ERBB3_6687	+	GTGACCTATGCACCAGACGTGATGGTTCCTTCTGGCCTCACCCCTCAGCCAGCCCAAGACAGATCGGAAGAGCGGTTCAG
chr12	56479107	56479146	ERBB3_6688	+	GTGACCTATGCACCAGACGTCTCCCTAAGCAATAGAGGGCCCCCAGTAGGGGGAGCTAGGAGATCGGAAGAGCGGTTCAG
chr12	56480451	56480490	ERBB3_6689	+	GTGACCTATGCACCAGACGTGTGATCAAGATTGCTCCCCAGTCCCACCAAACCAGAGTGAAGATCGGAAGAGCGGTTCAG
chr12	56481437	56481476	ERBB3_6690	+	GTGACCTATGCACCAGACGTAATTCCCTCCAAAAACTTCACTCATACGCTTTCATATCCCAGATCGGAAGAGCGGTTCAG
chr12	56481708	56481747	ERBB3_6691	+	GTGACCTATGCACCAGACGTTTTCCATTGCCTGGGTTCTGAAATTGGGATGTGGCCTTTGAGATCGGAAGAGCGGTTCAG
chr12	56481957	56481996	ERBB3_6692	+	GTGACCTATGCACCAGACGTGAGGGGAAGGAACAATGATCAACAATAGTAGATCCAAGATAGATCGGAAGAGCGGTTCAG
chr12	56482451	56482490	ERBB3_6693	+	GTGACCTATGCACCAGACGTGATGGTAAGAAGTTGTAAAGAGACAGCCTTTCCTCTGAGCAGATCGGAAGAGCGGTTCAG
chr12	56482663	56482702	ERBB3_6694	+	GTGACCTATGCACCAGACGTCTGCCTTCCCTCCTTAGACCCCAGCCCACGCACCCCTCACAGATCGGAAGAGCGGTTCAG
chr12	56486615	56486654	ERBB3_6695	+	GTGACCTATGCACCAGACGTGAGAGTTTGCCCTTTCTAGAAGAATAGGTGAACCACTGGCAGATCGGAAGAGCGGTTCAG
chr12	56486871	56486910	ERBB3_6696	+	GTGACCTATGCACCAGACGTGGTATGGAGGAAATGGCATCTTCAGGCAATGAAGCCTGTGAGATCGGAAGAGCGGTTCAG
chr12	56487345	56487384	ERBB3_6697	+	GTGACCTATGCACCAGACGTGGGTCTGCTAGGTGGTGAGAATAGGGAGTCAGGGAGGAGAAGATCGGAAGAGCGGTTCAG
chr12	56487691	56487730	ERBB3_6698	+	GTGACCTATGCACCAGACGTGGGAGCCAGTCAAGGATGGGTGGGGGTGGGGCCCTGCAATAGATCGGAAGAGCGGTTCAG
chr12	56487984	56488023	ERBB3_6699	+	GTGACCTATGCACCAGACGTAGCACCAGGATCTCCAAGGGAGACAGAGAAGGGGCAATACAGATCGGAAGAGCGGTTCAG
chr12	56488351	56488390	ERBB3_6700	+	GTGACCTATGCACCAGACGTGGATAATAAGGAGAGGGGGTCAGGTGGAAGGGTAGGAGCAAGATCGGAAGAGCGGTTCAG
chr12	56489105	56489144	ERBB3_6701	+	GTGACCTATGCACCAGACGTGTTGGAGATTCTGGAAACTGGGGATATTTGGGAGTTGGGAAGATCGGAAGAGCGGTTCAG
chr12	56489601	56489640	ERBB3_6702	+	GTGACCTATGCACCAGACGTAGCTTACTTTTGTTTTTTCTTTTCTTTTTTTGCATGTCCTAGATCGGAAGAGCGGTTCAG
chr12	56490417	56490456	ERBB3_6703	+	GTGACCTATGCACCAGACGTCATAGGAATTCTGGAGAGGTGGGGAAGGCATCTAGGGCAAAGATCGGAAGAGCGGTTCAG
chr12	56490641	56490680	ERBB3_6704	+	GTGACCTATGCACCAGACGTGAAATTCTGTATGCCGCTAGGAGAGAGGACAATATTAGATAGATCGGAAGAGCGGTTCAG
chr12	56491025	56491064	ERBB3_6705	+	GTGACCTATGCACCAGACGTCCTGGAGGAATTCTGTGATAAGAACTGCTTGTCTGGGGGCAGATCGGAAGAGCGGTTCAG
chr12	56491735	56491774	ERBB3_6706	+	GTGACCTATGCACCAGACGTACAAAGGGTAAGGAGGCGGGGGTGGAGTGAAGCATGGGGAAGATCGGAAGAGCGGTTCAG
chr12	56492370	56492409	ERBB3_6707	+	GTGACCTATGCACCAGACGTCTGGATGCCCTCTCTACCATCACTGGCCCCAGTTTCAAATAGATCGGAAGAGCGGTTCAG
chr12	56493540	56493579	ERBB3_6708	+	GTGACCTATGCACCAGACGTAGTAGGAGGTGCTAAGGAAATTTAGAAAAAGGAGGAGTTGAGATCGGAAGAGCGGTTCAG
chr12	56493824	56493863	ERBB3_6709	+	GTGACCTATGCACCAGACGTTTCTAATTACCCAACACTTTGCACCCTGAGCCCTCACAAAAGATCGGAAGAGCGGTTCAG
chr12	56494040	56494079	ERBB3_6710	+	GTGACCTATGCACCAGACGTTTGCTGAGAGGCTGGGTTTTAGGATCAGATTGATACGAGTAGATCGGAAGAGCGGTTCAG
chr12	56495156	56495195	ERBB3_6711	+	GTGACCTATGCACCAGACGTCTTCCTAGGGCTTTCCTCAATTTTTCCTCGAATTCTTTCCAGATCGGAAGAGCGGTTCAG
chr12	56495850	56495889	ERBB3_6712	+	GTGACCTATGCACCAGACGTCTGTGGCACTCAGGGAGCATTTAATGGCAGCTAGTGCCTTAGATCGGAAGAGCGGTTCAG
chr12	56495586	56495625	ERBB3_6713	+	GTGACCTATGCACCAGACGTACTATGAATATATGAATCGGCAACGAGATGGAGGTGGTCCAGATCGGAAGAGCGGTTCAG
chr9	139392021	139392060	NOTCH1_6714	+	GTGACCTATGCACCAGACGTAGGGCGGGGGCCGGTGAGGGGGGCCAGGCCAGGCGTGGGGAGATCGGAAGAGCGGTTCAG
chr9	139393459	139393498	NOTCH1_6715	+	GTGACCTATGCACCAGACGTGAAGCAGATGGGGTAGGTTGGAGACCAGCTGGAGGCAACCAGATCGGAAGAGCGGTTCAG
chr9	139393722	139393761	NOTCH1_6716	+	GTGACCTATGCACCAGACGTGGGAGAGGCTCAGGCGGGTGCTGGGCAGACGTACACCGATAGATCGGAAGAGCGGTTCAG
chr9	139395310	139395349	NOTCH1_6717	+	GTGACCTATGCACCAGACGTAGAGACGGGTGCTCAGTCTGGAGGGCCGGTCCCCAGCTGCAGATCGGAAGAGCGGTTCAG
chr9	139396376	139396415	NOTCH1_6718	+	GTGACCTATGCACCAGACGTGGAGTGAGCAGAGCCTGTCAGGGCAGCCCGGCAGCAGGTGAGATCGGAAGAGCGGTTCAG
chr9	139396551	139396590	NOTCH1_6719	+	GTGACCTATGCACCAGACGTAGGGGTCGAGAAGTGAGGCTGAGCGAGCTCCCTAGGAAGCAGATCGGAAGAGCGGTTCAG
chr9	139396951	139396990	NOTCH1_6720	+	GTGACCTATGCACCAGACGTGGGGGCCAGGGGCAGGTGCCCGGACATCAGGCAGCGGCTAAGATCGGAAGAGCGGTTCAG
chr9	139397793	139397832	NOTCH1_6721	+	GTGACCTATGCACCAGACGTAATCAGAGAGGGGCTGGGACCCGAGGCTTCCTCCTCCCCCAGATCGGAAGAGCGGTTCAG
chr9	139399567	139399606	NOTCH1_6722	+	GTGACCTATGCACCAGACGTCGGGACACGCTCAGGCCGCCTTCCTCGGGGGGCCTCGCACAGATCGGAAGAGCGGTTCAG
chr9	139400344	139400383	NOTCH1_6723	+	GTGACCTATGCACCAGACGTGGGAAGACAGGACGGTGTCGGGGTGGGCCACCCCCCGCCCAGATCGGAAGAGCGGTTCAG
chr9	139401102	139401141	NOTCH1_6724	+	GTGACCTATGCACCAGACGTGAGCAGGGCAGTGAGAGGCTCACCCTGCTGCCCCACACGCAGATCGGAAGAGCGGTTCAG
chr9	139401436	139401475	NOTCH1_6725	+	GTGACCTATGCACCAGACGTAGGTTTCGTCAGTGGCCCAAGCCCGCCACACCCCGGCCCTAGATCGGAAGAGCGGTTCAG
chr9	139401900	139401939	NOTCH1_6726	+	GTGACCTATGCACCAGACGTGACAGAACGAGGGGCCCTTCGGCTCAGCCGGCGCCAGGATAGATCGGAAGAGCGGTTCAG
chr9	139402602	139402641	NOTCH1_6727	+	GTGACCTATGCACCAGACGTTGGGGTGGTAGACAGGTGAGGCCCAGGCCCACAGAGGACCAGATCGGAAGAGCGGTTCAG
chr9	139402848	139402887	NOTCH1_6728	+	GTGACCTATGCACCAGACGTATTGGGGTCAGCTGGGTGCCCGCGCCCCGGCCATTTCCCCAGATCGGAAGAGCGGTTCAG

chr9	139403534	139403573	NOTCH1_6729	+	GTGACCTATGCACCAGACGTGTGGGCAGGCGGGGGCTGAGTGGAGGGCATTGGTGGGTCCAGATCGGAAGAGCGGTTCAG
chr9	139404424	139404463	NOTCH1_6730	+	GTGACCTATGCACCAGACGTACGGAAGGGTGAGTGTGAGGGGCAGGCACAAACCCACACCAGATCGGAAGAGCGGTTCAG
chr9	139405268	139405307	NOTCH1_6731	+	GTGACCTATGCACCAGACGTGGAGGAGGCCGGTTGGTCACCAGCGGCCCCTGGCCCTCCAAGATCGGAAGAGCGGTTCAG
chr9	139405734	139405773	NOTCH1_6732	+	GTGACCTATGCACCAGACGTGAGACACACGTGACCCCGGGAGCCTCACCCAGAGGGATCTAGATCGGAAGAGCGGTTCAG
chr9	139407597	139407636	NOTCH1_6733	+	GTGACCTATGCACCAGACGTGGGGACAGCACTCGGCATGTCCAGCACTCCCAGGCACCTTAGATCGGAAGAGCGGTTCAG
chr9	139408000	139408039	NOTCH1_6734	+	GTGACCTATGCACCAGACGTGACCACACTGCAGGTCGAGGGAGGCCCGAGCAGCACGGCCAGATCGGAAGAGCGGTTCAG
chr9	139409165	139409204	NOTCH1_6735	+	GTGACCTATGCACCAGACGTGGCGGGTCAGACTCCGAGGCCCAGCGCCCAGGGGGTCCCAAGATCGGAAGAGCGGTTCAG
chr9	139409863	139409902	NOTCH1_6736	+	GTGACCTATGCACCAGACGTGGCACGTGTCGGTCAGTCCTCAGGCCCGCCCTGCCCACTGAGATCGGAAGAGCGGTTCAG
chr9	139410179	139410218	NOTCH1_6737	+	GTGACCTATGCACCAGACGTGGAGGGGCGGGCACAGGAAGACTTAGGACTGGCGGCCCCCAGATCGGAAGAGCGGTTCAG
chr9	139410557	139410596	NOTCH1_6738	+	GTGACCTATGCACCAGACGTGGAGGGGAGGGGAGGGAGTCATGTGCAACAGCACTATGGCAGATCGGAAGAGCGGTTCAG
chr9	139411848	139411887	NOTCH1_6739	+	GTGACCTATGCACCAGACGTGGGCAACAGTGAGGGGGGCACGCGCGGCCCCAGTGCCCCAAGATCGGAAGAGCGGTTCAG
chr9	139412400	139412439	NOTCH1_6740	+	GTGACCTATGCACCAGACGTCACACGGGTGAGAGGCTGCTCCAGGCACCCTGGCCCCTGCAGATCGGAAGAGCGGTTCAG
chr9	139412755	139412794	NOTCH1_6741	+	GTGACCTATGCACCAGACGTAGCGGCGGTCAGTGGGCACGGCCCCTGGGCCAGGCATGGCAGATCGGAAGAGCGGTTCAG
chr9	139413287	139413326	NOTCH1_6742	+	GTGACCTATGCACCAGACGTCAGGAGCTGTCGGCCCCGGGCAGCTGCCACTCCCTGAGCTAGATCGGAAGAGCGGTTCAG
chr9	139414028	139414067	NOTCH1_6743	+	GTGACCTATGCACCAGACGTAGGGGCCGGGTCAGCCTCTTCCCTGAGGTCCAGTCCGGCTAGATCGGAAGAGCGGTTCAG
chr9	139417651	139417690	NOTCH1_6744	+	GTGACCTATGCACCAGACGTGGGGACAAGAGGGTCGTGCTGGCCTCACTGCTCCCCGAGGAGATCGGAAGAGCGGTTCAG
chr9	139418442	139418481	NOTCH1_6745	+	GTGACCTATGCACCAGACGTATGTGCCAGGGCAGTTAGTTCCCACCTGCTTCCCCAGCGCAGATCGGAAGAGCGGTTCAG
chr9	139438565	139438604	NOTCH1_6746	+	GTGACCTATGCACCAGACGTGCAGGAGAAGAGAGGTCAGTCTCACCCGCACCACCACCACAGATCGGAAGAGCGGTTCAG
chr9	139440249	139440288	NOTCH1_6747	+	GTGACCTATGCACCAGACGTCGGCTGCCCTCTGCGCCCGGGCGGCGGCCTCCTGCGCTGGAGATCGGAAGAGCGGTTCAG
chr9	139400058	139400097	NOTCH1_6748	+	GTGACCTATGCACCAGACGTGTAGTCCAGGATGTGGCACAAGAGCCCGTTGAATTTGGCGAGATCGGAAGAGCGGTTCAG
chr9	139391029	139391068	NOTCH1_6749	+	GTGACCTATGCACCAGACGTGTGGCTGCACCTGCTGGGTCTGCACCAGGTGAGGCTGGGTAGATCGGAAGAGCGGTTCAG
chr9	139391525	139391564	NOTCH1_6750	+	GTGACCTATGCACCAGACGTCGGGGAGGGCAGCAGTGGCGGCGAGGCCACGTCTGACAGGAGATCGGAAGAGCGGTTCAG
chr12	4383412	4383451	CCND2_6751	+	GTGACCTATGCACCAGACGTGGGTGGCGCTCGCCAGGAGCCAGGACCCCTCCGGATGCTCAGATCGGAAGAGCGGTTCAG
chr12	4385397	4385436	CCND2_6752	+	GTGACCTATGCACCAGACGTGCCCCTTCCTCCCTTCCTTTCTGCGATTCCCGCTTTCCCCAGATCGGAAGAGCGGTTCAG
chr12	4388096	4388135	CCND2_6753	+	GTGACCTATGCACCAGACGTGCTTGAGCCGGGGAGGGAGATGGGGGAGCTCTTTTGGGAGAGATCGGAAGAGCGGTTCAG
chr12	4398167	4398206	CCND2_6754	+	GTGACCTATGCACCAGACGTACCACCTTCTTGGCTAAGTCCAGATGTCTCTTCTCAGCTCAGATCGGAAGAGCGGTTCAG
chr12	4409186	4409225	CCND2_6755	+	GTGACCTATGCACCAGACGTTGGGCCGAAAGAGAGAGACGCGTCCATAATCTGGTCTCTTAGATCGGAAGAGCGGTTCAG
chr8	128748880	128748919	MYC_6756	+	GTGACCTATGCACCAGACGTAAGTCCACTTGCCTTTTAATTTATTTTTTTATCACTTTAAAGATCGGAAGAGCGGTTCAG
chr8	128751276	128751315	MYC_6757	+	GTGACCTATGCACCAGACGTCCCGCCCAGGCCTGTCAAAAGTGGGCGGCTGGATACCTTTAGATCGGAAGAGCGGTTCAG
chr8	128753215	128753254	MYC_6758	+	GTGACCTATGCACCAGACGTGGAAAACGATTCCTTCTAACAGAAATGTCCTGAGCAATCAAGATCGGAAGAGCGGTTCAG
chr8	128750890	128750929	MYC_6759	+	GTGACCTATGCACCAGACGTATCATCATCCAGGACTGTATGTGGAGCGGCTTCTCGGCCGAGATCGGAAGAGCGGTTCAG
chr8	128752933	128752972	MYC_6760	+	GTGACCTATGCACCAGACGTCCGAGGAGAATGTCAAGAGGCGAACACACAACGTCTTGGAAGATCGGAAGAGCGGTTCAG
chr1	115251286	115251325	NRAS_6761	+	GTGACCTATGCACCAGACGTAAAAAATGAAAAAAAATGAGAGAGCTAGCTCAACGGACACAGATCGGAAGAGCGGTTCAG
chr1	115256610	115256649	NRAS_6762	+	GTGACCTATGCACCAGACGTGGAGGGTAAGGGGGCAGGGAGGGAGGGAAGTTCAATTTTTAGATCGGAAGAGCGGTTCAG
chr1	115258792	115258831	NRAS_6763	+	GTGACCTATGCACCAGACGTCAAGAACCTGTTGGAAACCAGTAATCAGGGTTAATTGGCGAGATCGGAAGAGCGGTTCAG
chr19	40739869	40739908	AKT2_6764	+	GTGACCTATGCACCAGACGTCAGAGGTGGATGGGGAGGACCAGTCAGGAGAGGGCCTGGGAGATCGGAAGAGCGGTTCAG
chr19	40741065	40741104	AKT2_6765	+	GTGACCTATGCACCAGACGTGAGGAGCTCAGGCTCAGGGACCCTGAGGCCAGGAGGCCTCAGATCGGAAGAGCGGTTCAG
chr19	40741268	40741307	AKT2_6766	+	GTGACCTATGCACCAGACGTACGGCCGTCAGCACCTGCCTCCCGGAGCAGCTGGGTTCGGAGATCGGAAGAGCGGTTCAG
chr19	40742022	40742061	AKT2_6767	+	GTGACCTATGCACCAGACGTAGGAGAAATGAGGGCTGGGCCCGTGGCCCTGAGGCTGGCAAGATCGGAAGAGCGGTTCAG
chr19	40742303	40742342	AKT2_6768	+	GTGACCTATGCACCAGACGTAGTCAACGGATCTCAGGTGCATGCTCCCAAGGCTTCCTGCAGATCGGAAGAGCGGTTCAG
chr19	40744009	40744048	AKT2_6769	+	GTGACCTATGCACCAGACGTAAGGGGTGGGGAGAGGAGGTCAGGCCCCAGCCCACCCACCAGATCGGAAGAGCGGTTCAG
chr19	40744891	40744930	AKT2_6770	+	GTGACCTATGCACCAGACGTAAGGCAGCAGGGTGGGAGGTGGGAGGGAGGAGGGCTCTGCAGATCGGAAGAGCGGTTCAG
chr19	40746028	40746067	AKT2_6771	+	GTGACCTATGCACCAGACGTACTGCGGGTGAGGGGCTGGTGGGCAACACCACACCTGCCCAGATCGGAAGAGCGGTTCAG
chr19	40747987	40748026	AKT2_6772	+	GTGACCTATGCACCAGACGTCAGGGAGAGTGGGGGCAGTCAGCGCCTGGCTCATGGCCCGAGATCGGAAGAGCGGTTCAG
chr19	40748605	40748644	AKT2_6773	+	GTGACCTATGCACCAGACGTACACACGTGAGTCCCAGCAGCCAGGAGTCCTGGGCCTCAGAGATCGGAAGAGCGGTTCAG
chr19	40761187	40761226	AKT2_6774	+	GTGACCTATGCACCAGACGTAGGGAACAGACAGCAGGGGGCTGAGGGGATAGCCCTGCTAAGATCGGAAGAGCGGTTCAG
chr19	40762972	40763011	AKT2_6775	+	GTGACCTATGCACCAGACGTGCAGGAAGGGAGGGAGAGAGGTTAGGACAAGGTTGAGTGAAGATCGGAAGAGCGGTTCAG
chr19	40771185	40771224	AKT2_6776	+	GTGACCTATGCACCAGACGTTGGTACGCTGTCACCTAGCTCGGGACAGCTCAGGGCAGCAAGATCGGAAGAGCGGTTCAG
chr16	3779886	3779925	CREBBP_6777	+	GTGACCTATGCACCAGACGTGGAAAGGGGACAGGCCGGTGTCAGCATGGGACCCAGTACCAGATCGGAAGAGCGGTTCAG
chr16	3781485	3781524	CREBBP_6778	+	GTGACCTATGCACCAGACGTGGAGGGGCTTTAGTCCCACACAAGGGACATGGCACCTCCAAGATCGGAAGAGCGGTTCAG
chr16	3781949	3781988	CREBBP_6779	+	GTGACCTATGCACCAGACGTACGCAAGGCTGTGAGACCAGGCAAGTGCCCCTCCACACTTAGATCGGAAGAGCGGTTCAG
chr16	3786215	3786254	CREBBP_6780	+	GTGACCTATGCACCAGACGTAAAGCACAACAGTGAGATGAGGGCCATGCACGCGTGCCCCAGATCGGAAGAGCGGTTCAG
chr16	3786827	3786866	CREBBP_6781	+	GTGACCTATGCACCAGACGTCACGCACACACGTCAGATGAACGTGCCAGTGAAATCGGCCAGATCGGAAGAGCGGTTCAG
chr16	3788684	3788723	CREBBP_6782	+	GTGACCTATGCACCAGACGTGAGGCACATGTTTAACTCAGGGTATCCCTCAAATCTGAAAAGATCGGAAGAGCGGTTCAG
chr16	3789736	3789775	CREBBP_6783	+	GTGACCTATGCACCAGACGTAGCCAGAGCCGGACATTTACAAAGGCTGTTGCTGACAAGGAGATCGGAAGAGCGGTTCAG
chr16	3790561	3790600	CREBBP_6784	+	GTGACCTATGCACCAGACGTCAGAAGGAGCAGGTGAGAGGGCTTCAACAGCACTGCTGAGAGATCGGAAGAGCGGTTCAG
chr16	3794973	3795012	CREBBP_6785	+	GTGACCTATGCACCAGACGTATAGTGGTATGATGAGACTGTATATAATGATGTAAATTGTAGATCGGAAGAGCGGTTCAG
chr16	3795366	3795405	CREBBP_6786	+	GTGACCTATGCACCAGACGTAAGAAGGCGCACTGTTAAAGCACACGGAACCACAAGACCAAGATCGGAAGAGCGGTTCAG

chr16	3799695	3799734	CREBBP_6787	+	GTGACCTATGCACCAGACGTAATAAGAAAACATGTTTTATTAACTAAAATTTATCTGTTGAGATCGGAAGAGCGGTTCAG
chr16	3801818	3801857	CREBBP_6788	+	GTGACCTATGCACCAGACGTGAAGGCCATACTTGGGTGAACTGGTCCATCATAACACACAAGATCGGAAGAGCGGTTCAG
chr16	3807388	3807427	CREBBP_6789	+	GTGACCTATGCACCAGACGTAAAGGAGAAATACTTTTATATAAAAATACATTCCATTTACAGATCGGAAGAGCGGTTCAG
chr16	3808060	3808099	CREBBP_6790	+	GTGACCTATGCACCAGACGTAAAAAATGGTCTCAGTATAGGGAATCCCCCAATATCCAAAAGATCGGAAGAGCGGTTCAG
chr16	3808984	3809023	CREBBP_6791	+	GTGACCTATGCACCAGACGTAACATCAAGAAAAGACACTTTGTAAAAGGTGCTCAGATCCAGATCGGAAGAGCGGTTCAG
chr16	3817921	3817960	CREBBP_6792	+	GTGACCTATGCACCAGACGTACATTACAGATAACATATGAATATCAAACACCTTTATGTTAGATCGGAAGAGCGGTTCAG
chr16	3819365	3819404	CREBBP_6793	+	GTGACCTATGCACCAGACGTACCGAAAGCACTGACTTCAGTAAGCAAGGTAACATAAATGAGATCGGAAGAGCGGTTCAG
chr16	3820998	3821037	CREBBP_6794	+	GTGACCTATGCACCAGACGTTGGACAGAGTATGGTAAAATTATTTCCCCCGTTTGAAAATAGATCGGAAGAGCGGTTCAG
chr16	3823942	3823981	CREBBP_6795	+	GTGACCTATGCACCAGACGTACAAGCACCACCAGAGCTGTAGTTCGGAAGCTGACGGCCAAGATCGGAAGAGCGGTTCAG
chr16	3824705	3824744	CREBBP_6796	+	GTGACCTATGCACCAGACGTACCCACAACGGTTCATTAGGAAAAGCACCCACAGGAAAACAGATCGGAAGAGCGGTTCAG
chr16	3828194	3828233	CREBBP_6797	+	GTGACCTATGCACCAGACGTATAATATTCAATATGAAACAGTTAAAACTGTAAAAAGCAAAGATCGGAAGAGCGGTTCAG
chr16	3828829	3828868	CREBBP_6798	+	GTGACCTATGCACCAGACGTAACACATCTATCAAACTACTTTTTTTTTTCTTCTTTTTTTAGATCGGAAGAGCGGTTCAG
chr16	3830890	3830929	CREBBP_6799	+	GTGACCTATGCACCAGACGTAATAAAGACACTTCATCCATCTACTGAAGTGACTCAAACAAGATCGGAAGAGCGGTTCAG
chr16	3831318	3831357	CREBBP_6800	+	GTGACCTATGCACCAGACGTAGAAAAGAAATCAATCAACAGTTAAATTTTAATATATACTAGATCGGAAGAGCGGTTCAG
chr16	3832938	3832977	CREBBP_6801	+	GTGACCTATGCACCAGACGTAAACAGACAGACAGACAAAAACGAGAGGTAAGTAAAAGGGAGATCGGAAGAGCGGTTCAG
chr16	3842106	3842145	CREBBP_6802	+	GTGACCTATGCACCAGACGTAAAAACAACGAGATGTTATTTTTCTATCCAAATCGTCACAAGATCGGAAGAGCGGTTCAG
chr16	3843638	3843677	CREBBP_6803	+	GTGACCTATGCACCAGACGTGCAAAATAATAAAAATACTTTAACCTCTCAGAGTTCCAAGAGATCGGAAGAGCGGTTCAG
chr16	3860791	3860830	CREBBP_6804	+	GTGACCTATGCACCAGACGTAAAGAGGTAACATCAGCTGTGGTGACGCAGTCAATATAAAAGATCGGAAGAGCGGTTCAG
chr16	3901021	3901060	CREBBP_6805	+	GTGACCTATGCACCAGACGTAACAGAAATGGAAATGAGAAACTAAGCAACCTTTACAGCTAGATCGGAAGAGCGGTTCAG
chr16	3900664	3900703	CREBBP_6806	+	GTGACCTATGCACCAGACGTGGTGGGCCCAGAGGTGCTGGCTGCCTGTTTAGGCAGGCTGAGATCGGAAGAGCGGTTCAG
chr16	3778160	3778199	CREBBP_6807	+	GTGACCTATGCACCAGACGTCAGAATCCGCTGCTGCAGGGCTTGCTGGATGTTGGGGGTGAGATCGGAAGAGCGGTTCAG
chr16	3778591	3778630	CREBBP_6808	+	GTGACCTATGCACCAGACGTCGGGCCGCGGCACGCCAGCCTGCATGGCATTCAGGTTCTGAGATCGGAAGAGCGGTTCAG
chr16	3779022	3779061	CREBBP_6809	+	GTGACCTATGCACCAGACGTCTCACCTGGTTGGGTCGGGGCACATTCAGGCTCACGGGGGAGATCGGAAGAGCGGTTCAG
chr16	3779453	3779492	CREBBP_6810	+	GTGACCTATGCACCAGACGTCATGAGCTGGGCCTGCTGCAGGCGGTGCTGGATCTGCTGCAGATCGGAAGAGCGGTTCAG
chr22	30000112	30000151	NF2_6811	+	GTGACCTATGCACCAGACGTGGCAGCCCCGACTGCTGCGGTGACAGTCGAGGTGGAAGCTAGATCGGAAGAGCGGTTCAG
chr22	30032876	30032915	NF2_6812	+	GTGACCTATGCACCAGACGTAACTCGATGAAACTGGTGGGGCTGACGTGAGCTTTCCAGTAGATCGGAAGAGCGGTTCAG
chr22	30035212	30035251	NF2_6813	+	GTGACCTATGCACCAGACGTCAAGGCTACCCCCCAGTTCTGAGAGAACTTGCCCAGGAGTAGATCGGAAGAGCGGTTCAG
chr22	30038285	30038324	NF2_6814	+	GTGACCTATGCACCAGACGTAGAAGAAAAATGTATTTTTCCTGGGCGTTAATTTGGGTCAAGATCGGAAGAGCGGTTCAG
chr22	30050725	30050764	NF2_6815	+	GTGACCTATGCACCAGACGTAAATTCCCTTTTCAGGAAGACATAGCAGATATGTGGTCTAAGATCGGAAGAGCGGTTCAG
chr22	30051676	30051715	NF2_6816	+	GTGACCTATGCACCAGACGTTTCATTGTTGGTTTACATTCCTTTATGGGCTTTTTTTTTTAGATCGGAAGAGCGGTTCAG
chr22	30054264	30054303	NF2_6817	+	GTGACCTATGCACCAGACGTACCTCTCTGAGCTCCTTGTGTAGTAGACAGAGACTGAGTGAGATCGGAAGAGCGGTTCAG
chr22	30057339	30057378	NF2_6818	+	GTGACCTATGCACCAGACGTTGTGTACTGCAGATGGGTCCAGCAGATCTTTCCCTGTCTGAGATCGGAAGAGCGGTTCAG
chr22	30061064	30061103	NF2_6819	+	GTGACCTATGCACCAGACGTATCCTGGTTTTCATTACTGATAATGGTAGCTTTTCTGAGAAGATCGGAAGAGCGGTTCAG
chr22	30064446	30064485	NF2_6820	+	GTGACCTATGCACCAGACGTCCTTGTTTTAACTGATGATGTCACTGTGTGGTCAGTCCTGAGATCGGAAGAGCGGTTCAG
chr22	30067948	30067987	NF2_6821	+	GTGACCTATGCACCAGACGTAGGGGCTGGGGTTCCAGGAGGCTACTTGGGGACTTCCTTGAGATCGGAAGAGCGGTTCAG
chr22	30069486	30069525	NF2_6822	+	GTGACCTATGCACCAGACGTACCGGGCACCAGACTGGCGAGGAGGCTGGCGAAGGGCCGCAGATCGGAAGAGCGGTTCAG
chr22	30070941	30070980	NF2_6823	+	GTGACCTATGCACCAGACGTGGGCCACCAGCTGGGGCTGCCTTAGTCCTGGTGATGTTCTAGATCGGAAGAGCGGTTCAG
chr22	30074323	30074362	NF2_6824	+	GTGACCTATGCACCAGACGTCCCTGTGCCCTGCTGTGGGCAGCTGTGAACTAGACTGAGTAGATCGGAAGAGCGGTTCAG
chr22	30077601	30077640	NF2_6825	+	GTGACCTATGCACCAGACGTTCTCTTTCTTGTATTTTGCTGATCAGGACCATCATTAATGAGATCGGAAGAGCGGTTCAG
chr22	30079055	30079094	NF2_6826	+	GTGACCTATGCACCAGACGTTAGGTTGTTCCCAGGTACTCTCTATGTGGTGATGGTGCTGAGATCGGAAGAGCGGTTCAG
chr22	30090802	30090841	NF2_6827	+	GTGACCTATGCACCAGACGTAGCCACCCCAGGACCTGCCACTTCTCCTGCTACCGGGACCAGATCGGAAGAGCGGTTCAG
chr1	156785641	156785680	NTRK1_6828	+	GTGACCTATGCACCAGACGTTTTTCGTTCTCTCTCTCTGTGCCCCAGCCCGTTGGCAGACAGATCGGAAGAGCGGTTCAG
chr1	156811996	156812035	NTRK1_6829	+	GTGACCTATGCACCAGACGTCCGTCTGCAATCTCACCAGCCATTTGGATCATTTCCCCCAAGATCGGAAGAGCGGTTCAG
chr1	156830949	156830988	NTRK1_6830	+	GTGACCTATGCACCAGACGTGGCGGGCGGTGGGGGGGCGCGGGGACAGGCAGGCATTGCAAGATCGGAAGAGCGGTTCAG
chr1	156834231	156834270	NTRK1_6831	+	GTGACCTATGCACCAGACGTCGGGGACTGTGGGTGTGGAGCTCAGCATGGGCCTGGGGGAAGATCGGAAGAGCGGTTCAG
chr1	156834602	156834641	NTRK1_6832	+	GTGACCTATGCACCAGACGTCCAGTGCTGGGCAGTGGGAGTTGGGGAGGACACCCAGACTAGATCGGAAGAGCGGTTCAG
chr1	156836781	156836820	NTRK1_6833	+	GTGACCTATGCACCAGACGTGCGCTTCCAGGGGCAAGAGCACCAAGTGTGTGTGTGCCTGAGATCGGAAGAGCGGTTCAG
chr1	156838052	156838091	NTRK1_6834	+	GTGACCTATGCACCAGACGTGGTGAGGGAGGTGGTGTAAGGGGGCTGGGGAAGAGACCTAAGATCGGAAGAGCGGTTCAG
chr1	156838450	156838489	NTRK1_6835	+	GTGACCTATGCACCAGACGTCTTCGCTGGCAGCCCCCAAGAGGTCCAGGCAGAGCACAGGAGATCGGAAGAGCGGTTCAG
chr1	156841558	156841597	NTRK1_6836	+	GTGACCTATGCACCAGACGTGTGGCAGCTCCGGCACCCACCCCCTACTCATCTCTTCTTCAGATCGGAAGAGCGGTTCAG
chr1	156843762	156843801	NTRK1_6837	+	GTGACCTATGCACCAGACGTCATCCTGAACCCTGCCCCCACTCCTGGGCTCCTCCTGGGTAGATCGGAAGAGCGGTTCAG
chr1	156844203	156844242	NTRK1_6838	+	GTGACCTATGCACCAGACGTCAAGGTGGAGGGCAGGTTCTGCCTGGTCTCTGGAGCTGAGAGATCGGAAGAGCGGTTCAG
chr1	156844429	156844468	NTRK1_6839	+	GTGACCTATGCACCAGACGTAAGTAGAAGCTTGTGCAGACTTTGGGACCGGGAGGCTGGGAGATCGGAAGAGCGGTTCAG
chr1	156844811	156844850	NTRK1_6840	+	GTGACCTATGCACCAGACGTGCTGCAGAGGGCTGTCTGTCTGTCTGTTCTCCTGGCTTTGAGATCGGAAGAGCGGTTCAG
chr1	156846013	156846052	NTRK1_6841	+	GTGACCTATGCACCAGACGTGCCCCGGGGGGTACTGCTGGCCTGGGTCCCACCCCCAGGAAGATCGGAAGAGCGGTTCAG
chr1	156846375	156846414	NTRK1_6842	+	GTGACCTATGCACCAGACGTCTGGCCTCAGCGCTGGCCCCGGCCCCTGGCTCTGGGCCCCAGATCGGAAGAGCGGTTCAG
chr1	156849165	156849204	NTRK1_6843	+	GTGACCTATGCACCAGACGTTTTGTCCCCAACGCCTTCCCCTGCATCCAAACTGTAGACAAGATCGGAAGAGCGGTTCAG
chr1	156849960	156849999	NTRK1_6844	+	GTGACCTATGCACCAGACGTGCCCATGGTCACCCCTTGCTGGCCTCCCCGTCCCATGCCCAGATCGGAAGAGCGGTTCAG

chr1	156851445	156851484	NTRK1_6845	+	GTGACCTATGCACCAGACGTCAGGGGCTGGGAGTGGTTAGCCGGAATACTGGGGCCTGCCAGATCGGAAGAGCGGTTCAG
chr5	149495520	149495559	PDGFRB_6846	+	GTGACCTATGCACCAGACGTGAGGCAGTGAGTGAGGGGCTAGGAAGGAGCCCAGGAGGATAGATCGGAAGAGCGGTTCAG
chr5	149498426	149498465	PDGFRB_6847	+	GTGACCTATGCACCAGACGTGGAGAAGGGTCAGGGCCTCTGGCCCAGGGTTCAGGGGACAAGATCGGAAGAGCGGTTCAG
chr5	149499140	149499179	PDGFRB_6848	+	GTGACCTATGCACCAGACGTGCAGAGACAAGAGATACACAGGCTCAGGGGTGGAAAAGTGAGATCGGAAGAGCGGTTCAG
chr5	149499697	149499736	PDGFRB_6849	+	GTGACCTATGCACCAGACGTGTCAGGACAGGTGCTGAGTGCAAGGAAGGACCTCAGCCCCAGATCGGAAGAGCGGTTCAG
chr5	149500584	149500623	PDGFRB_6850	+	GTGACCTATGCACCAGACGTGGAGAGGGGAGCTGAGGCCTTGGGGACAATTGTGGGGAAAAGATCGGAAGAGCGGTTCAG
chr5	149500896	149500935	PDGFRB_6851	+	GTGACCTATGCACCAGACGTAGCAGAGGGTCACCTGCTATCTTATATCTCCTTCTGGCCCAGATCGGAAGAGCGGTTCAG
chr5	149501614	149501653	PDGFRB_6852	+	GTGACCTATGCACCAGACGTAGGAGCATCACAGGAGAGCCTGCAGGCTTTGCCTTCCCCTAGATCGGAAGAGCGGTTCAG
chr5	149502775	149502814	PDGFRB_6853	+	GTGACCTATGCACCAGACGTACAGGCTCAGGGACAGTCCCTATGGAGGCCTCAGGCGTCCAGATCGGAAGAGCGGTTCAG
chr5	149503934	149503973	PDGFRB_6854	+	GTGACCTATGCACCAGACGTTGGGGGCCCCAGGCCAGGCCCAGTCATGGAGGCTCCATGGAGATCGGAAGAGCGGTTCAG
chr5	149504405	149504444	PDGFRB_6855	+	GTGACCTATGCACCAGACGTGATGATCCATTAGCTCCTGGCCTACCAGGAAGCTGCACCGAGATCGGAAGAGCGGTTCAG
chr5	149505151	149505190	PDGFRB_6856	+	GTGACCTATGCACCAGACGTAACCCCAGGAATTAGTTATCAGAGGGAGTCTCAGGCCCTGAGATCGGAAGAGCGGTTCAG
chr5	149506188	149506227	PDGFRB_6857	+	GTGACCTATGCACCAGACGTAGATGAGAGCAGGCCATGAGCAAACTGGGCAGCTACCCTCAGATCGGAAGAGCGGTTCAG
chr5	149509542	149509581	PDGFRB_6858	+	GTGACCTATGCACCAGACGTAGCCGGTAGGGTTGGCTGCCAGCCCCTTCCCCTTGCAGACAGATCGGAAGAGCGGTTCAG
chr5	149510236	149510275	PDGFRB_6859	+	GTGACCTATGCACCAGACGTAGAGCACTGAGTTAGGAGGCGGGAGGGTCAGGACAGTTAAAGATCGGAAGAGCGGTTCAG
chr5	149512516	149512555	PDGFRB_6860	+	GTGACCTATGCACCAGACGTTGACCGTCAGGGGCGGGGCCCTGGGGGCAGGGCACCAACTAGATCGGAAGAGCGGTTCAG
chr5	149513334	149513373	PDGFRB_6861	+	GTGACCTATGCACCAGACGTAGGTTGGGCAGGCCCCCCAAATCAGGAGGGGCCGGGGAGAAGATCGGAAGAGCGGTTCAG
chr5	149513582	149513621	PDGFRB_6862	+	GTGACCTATGCACCAGACGTGAGATTGGCTTAGGTCTGGGGAAGTCACCACCAGCCACTAAGATCGGAAGAGCGGTTCAG
chr5	149515452	149515491	PDGFRB_6863	+	GTGACCTATGCACCAGACGTGGAGGTATCAGACATCAGGAAACAGGGGCTTCAGCACCTCAGATCGGAAGAGCGGTTCAG
chr5	149516621	149516660	PDGFRB_6864	+	GTGACCTATGCACCAGACGTAGAGTTAAACAGGAGTCAGGGCCCAGGGCAGGTGGAGGCAAGATCGGAAGAGCGGTTCAG
chr9	133589853	133589892	ABL1_6865	+	GTGACCTATGCACCAGACGTTTCAAAATTTCTGCTCATGGTTTTCCTCATGCATTCATCTAGATCGGAAGAGCGGTTCAG
chr9	133710923	133710962	ABL1_6866	+	GTGACCTATGCACCAGACGTGCCGCACGGGTTGGGCTGAGTAGCCGCGCGCCCTCCCGCTAGATCGGAAGAGCGGTTCAG
chr9	133729635	133729674	ABL1_6867	+	GTGACCTATGCACCAGACGTTGTGGGCAGCTAGTGGTGGTTGCAGGAGATAGAAATCTGGAGATCGGAAGAGCGGTTCAG
chr9	133730494	133730533	ABL1_6868	+	GTGACCTATGCACCAGACGTCTTGGCAGGGGGCGCTGATGGGCCCAGGGCAGGGGAACCAAGATCGGAAGAGCGGTTCAG
chr9	133738433	133738472	ABL1_6869	+	GTGACCTATGCACCAGACGTACTGCCGGGGGTGCCCAGGGTACGTGGGGCAAGGCGTCTGAGATCGGAAGAGCGGTTCAG
chr9	133747611	133747650	ABL1_6870	+	GTGACCTATGCACCAGACGTCCGGGGCTCTGAAGAGAGGGTCTCGCGCCGCACCCCCAGGAGATCGGAAGAGCGGTTCAG
chr9	133748435	133748474	ABL1_6871	+	GTGACCTATGCACCAGACGTGGCCAGGCAGCCTGCGCCATGGAGTCACAGGGCGTGGAGCAGATCGGAAGAGCGGTTCAG
chr9	133750450	133750489	ABL1_6872	+	GTGACCTATGCACCAGACGTCTGCTGCACTGAAGTGGTCCTTCCTGACTACAGGAGGGTTAGATCGGAAGAGCGGTTCAG
chr9	133753965	133754004	ABL1_6873	+	GTGACCTATGCACCAGACGTCTCAGCCTGTTCTCACGAGTATATGTGGGCATTCCAGGAAAGATCGGAAGAGCGGTTCAG
chr9	133755555	133755594	ABL1_6874	+	GTGACCTATGCACCAGACGTCATCCCGGGGTACCTGCAGTGGGGTGAAAGGGCAGCCATGAGATCGGAAGAGCGGTTCAG
chr9	133756062	133756101	ABL1_6875	+	GTGACCTATGCACCAGACGTCGCTTCCCCCAACCCCACTGCTCTTCCCTTCCCTGCCAGAAGATCGGAAGAGCGGTTCAG
chr9	133761081	133761120	ABL1_6876	+	GTGACCTATGCACCAGACGTGGGTCAGGTGTCAGGCCCGTCGGAGCTGCCTGCAGCACATAGATCGGAAGAGCGGTTCAG
chr9	133759795	133759834	ABL1_6877	+	GTGACCTATGCACCAGACGTTGGCAGCTCCAGCAAGCGCTTCCTGCGCTCTTGCTCCGCCAGATCGGAAGAGCGGTTCAG
chr9	133760224	133760263	ABL1_6878	+	GTGACCTATGCACCAGACGTGCCAGTGACCCCCACCAGCAAAGCAGGCTCAGGTGCACCAAGATCGGAAGAGCGGTTCAG
chr9	133760653	133760692	ABL1_6879	+	GTGACCTATGCACCAGACGTGGCAGGGGACCAGCCGTCTTCCACCGCCTTCATCCCTCTCAGATCGGAAGAGCGGTTCAG
chr11	69456290	69456329	CCND1_6880	+	GTGACCTATGCACCAGACGTTCGGGCGGCTCTCTTAAGACTTCCCTGCAACTTGTTGCCCAGATCGGAAGAGCGGTTCAG
chr11	69458770	69458809	CCND1_6881	+	GTGACCTATGCACCAGACGTCCCGGCAGCCCCCGGCCTCCCCTTGAGAGCCGGCTCCTTAAGATCGGAAGAGCGGTTCAG
chr11	69462921	69462960	CCND1_6882	+	GTGACCTATGCACCAGACGTGTGATGTCCCAGGCAGCCTTGCCGGGGCTTACAGGGGGAGAGATCGGAAGAGCGGTTCAG
chr11	69466061	69466100	CCND1_6883	+	GTGACCTATGCACCAGACGTCAGGCGGGCGCCACCGCCACCCGCAGCGAGGGCGGAGCCGAGATCGGAAGAGCGGTTCAG
chr7	92244611	92244650	CDK6_6884	+	GTGACCTATGCACCAGACGTGAAAAAAATAATTGGTTGATATACAATACATCAATGTAAAAGATCGGAAGAGCGGTTCAG
chr7	92247532	92247571	CDK6_6885	+	GTGACCTATGCACCAGACGTACCACACATGGACATAAGCATTAGCTACTATGCAGAAGCTAGATCGGAAGAGCGGTTCAG
chr7	92252411	92252450	CDK6_6886	+	GTGACCTATGCACCAGACGTAAAGATACATTTTAAATAAGAAATGTTCTCAGATTACATTAGATCGGAAGAGCGGTTCAG
chr7	92300860	92300899	CDK6_6887	+	GTGACCTATGCACCAGACGTAAGCGGATCCAAGTGTTACTGAGAAGGTGGCTGTTGGCTTAGATCGGAAGAGCGGTTCAG
chr7	92355118	92355157	CDK6_6888	+	GTGACCTATGCACCAGACGTTAAAAAAAGAAAATCAGTAAACACTCAAAACGGAAGTTGAAGATCGGAAGAGCGGTTCAG
chr7	92404156	92404195	CDK6_6889	+	GTGACCTATGCACCAGACGTAAACAAAGAGGTTAAGTAGGTGGCAATAAGCAAAGAAGTAAGATCGGAAGAGCGGTTCAG
chr14	102548169	102548208	HSP90AA1_6890	+	GTGACCTATGCACCAGACGTAATAAAATCCTCATATTACAAAGATTTCTTAAAGCCAGCTAGATCGGAAGAGCGGTTCAG
chr14	102548792	102548831	HSP90AA1_6891	+	GTGACCTATGCACCAGACGTAAAGTGATGACTAGGAACCTAGAAAGATTAATTCCTAAACAGATCGGAAGAGCGGTTCAG
chr14	102549650	102549689	HSP90AA1_6892	+	GTGACCTATGCACCAGACGTACAAAGTTACTTTTAGACCTTTTAACAGTTAAGAATGGTTAGATCGGAAGAGCGGTTCAG
chr14	102550331	102550370	HSP90AA1_6893	+	GTGACCTATGCACCAGACGTTATAAACCAAATGCACTGAGTCATTCCAAGGACAAAACTGAGATCGGAAGAGCGGTTCAG
chr14	102550912	102550951	HSP90AA1_6894	+	GTGACCTATGCACCAGACGTACAGATACACTAAGTACCAATGAACAATGCATTATAGAAGAGATCGGAAGAGCGGTTCAG
chr14	102551346	102551385	HSP90AA1_6895	+	GTGACCTATGCACCAGACGTAAACACGAAATCACATCACTGCTGCACTCCAGAACTAAGCAGATCGGAAGAGCGGTTCAG
chr14	102551779	102551818	HSP90AA1_6896	+	GTGACCTATGCACCAGACGTAGAAAGAAAAATTGACTTAATACATTCAATTTAGTGCTCAAGATCGGAAGAGCGGTTCAG
chr14	102552472	102552511	HSP90AA1_6897	+	GTGACCTATGCACCAGACGTAAAATATTAATTTAAGCATACAGCACCCCCAAGAAGTTCAAGATCGGAAGAGCGGTTCAG
chr14	102552726	102552765	HSP90AA1_6898	+	GTGACCTATGCACCAGACGTACCGCGCCGGTTTAAAACCTTGCAGGACGTCTACAGAGGCAGATCGGAAGAGCGGTTCAG
chr14	102568433	102568472	HSP90AA1_6899	+	GTGACCTATGCACCAGACGTAAACACAATCTTCTGGACTTCCAAACCAAACATAACAGAGAGATCGGAAGAGCGGTTCAG
chr14	102605752	102605791	HSP90AA1_6900	+	GTGACCTATGCACCAGACGTCGTAGGGTACCCCGCGTGCTGGCTCCGAAGCGGTGGCCGTAGATCGGAAGAGCGGTTCAG
chr19	1611859	1611898	TCF3_6901	+	GTGACCTATGCACCAGACGTGGGGGAGAGCTCTGTGGGAGACGGTCCCAGGGAGGAGAAAAGATCGGAAGAGCGGTTCAG
chr19	1612443	1612482	TCF3_6902	+	GTGACCTATGCACCAGACGTGCACCGAGGCCTCTGTTAGTGATGCGCCAAGGCTGGGTGGAGATCGGAAGAGCGGTTCAG

chr19	1615530	1615569	TCF3_6903	+	GTGACCTATGCACCAGACGTGGCGCCGGGAGGGGGCCAGAGGGAGACAGTGAGGTTGGGGAGATCGGAAGAGCGGTTCAG
chr19	1615831	1615870	TCF3_6904	+	GTGACCTATGCACCAGACGTCCTAGGGTCAGGGGCCTGCGTCGGCCTCCAGGGCCAACTGAGATCGGAAGAGCGGTTCAG
chr19	1619244	1619283	TCF3_6905	+	GTGACCTATGCACCAGACGTGGGGAGACGGGTGCATCAGGGGGAGCCGGGTCCCCGCCCAAGATCGGAAGAGCGGTTCAG
chr19	1619484	1619523	TCF3_6906	+	GTGACCTATGCACCAGACGTGGGGGATGGGTGGTGAGGGGCCCAAGCCGAGGGACCCCACAGATCGGAAGAGCGGTTCAG
chr19	1619863	1619902	TCF3_6907	+	GTGACCTATGCACCAGACGTGTGGGGACGTGAATGGGGTGCGAGGGGCGGGGTGTGAGCAAGATCGGAAGAGCGGTTCAG
chr19	1621056	1621095	TCF3_6908	+	GTGACCTATGCACCAGACGTGACCAGGAGAGATGGGCGGTCAGGGGCCGGCCTCTCAGGTAGATCGGAAGAGCGGTTCAG
chr19	1621201	1621240	TCF3_6909	+	GTGACCTATGCACCAGACGTAGAGAGGTGAGGCCCACGCAGCCCGGCCTGGGTGCTGCCGAGATCGGAAGAGCGGTTCAG
chr19	1621980	1622019	TCF3_6910	+	GTGACCTATGCACCAGACGTAGGCAGGAGGAGGGTGGGTTAGATGGGCACTGCCACCCTCAGATCGGAAGAGCGGTTCAG
chr19	1622233	1622272	TCF3_6911	+	GTGACCTATGCACCAGACGTGAGCTGGTAAGGTGGGGGCCGAGTGGGGAACCCCAGCCCTAGATCGGAAGAGCGGTTCAG
chr19	1622425	1622464	TCF3_6912	+	GTGACCTATGCACCAGACGTGTGGGCGGTGGGGGGTGCAGTCAGGACGGAGGGACCACGAAGATCGGAAGAGCGGTTCAG
chr19	1624010	1624049	TCF3_6913	+	GTGACCTATGCACCAGACGTCAAAAGGGGTGAGAACCGGCCACCGGCCATGAGAACAACCAGATCGGAAGAGCGGTTCAG
chr19	1625718	1625757	TCF3_6914	+	GTGACCTATGCACCAGACGTGCGGATGGTCAGAAAGCGCCCAGCTGGCATCCAGACCCCAAGATCGGAAGAGCGGTTCAG
chr19	1627436	1627475	TCF3_6915	+	GTGACCTATGCACCAGACGTAGAAGGAAGGTTAGTGGGAGGCGACCCCAAGGAACATCCTAGATCGGAAGAGCGGTTCAG
chr19	1632126	1632165	TCF3_6916	+	GTGACCTATGCACCAGACGTTGGGGTGGGGATGAGAGGTGCTGGGGCTTCACAGGCCCCCAGATCGGAAGAGCGGTTCAG
chr19	1632415	1632454	TCF3_6917	+	GTGACCTATGCACCAGACGTGACAGAGAGAGTTATGGGTCACCCTCACGCCTGCCCAGCTAGATCGGAAGAGCGGTTCAG
chr19	1646437	1646476	TCF3_6918	+	GTGACCTATGCACCAGACGTGGGAGGGGAGACGTGAGCGGGGCGGGTGGCAAACCAAACCAGATCGGAAGAGCGGTTCAG
chr19	1650258	1650297	TCF3_6919	+	GTGACCTATGCACCAGACGTCCAGGGCGGGCACCTCAGGCCTGGAAACCCTGCTTGGTGGAGATCGGAAGAGCGGTTCAG
chr3	41265583	41265622	CTNNB1_6920	+	GTGACCTATGCACCAGACGTTTAAATCTTTAGTTACTGAATTGGGGCTCTGCTTCGTTGCAGATCGGAAGAGCGGTTCAG
chr3	41266255	41266294	CTNNB1_6921	+	GTGACCTATGCACCAGACGTTATTTTTCATTGCCTTACTGAAAGTCAGAATGCAGTTTTGAGATCGGAAGAGCGGTTCAG
chr3	41266709	41266748	CTNNB1_6922	+	GTGACCTATGCACCAGACGTACATAGCTAGCTTTTTAGTCTGCTTTGAAGTAAATGCTCAAGATCGGAAGAGCGGTTCAG
chr3	41267074	41267113	CTNNB1_6923	+	GTGACCTATGCACCAGACGTATGTCAGAATGCTTGAAGCTAAAAAGTAGAAGAGTATACTAGATCGGAAGAGCGGTTCAG
chr3	41267363	41267402	CTNNB1_6924	+	GTGACCTATGCACCAGACGTTATTCTTTATGTGGTTTTCATGGAGCATTGGACACCTCCAAGATCGGAAGAGCGGTTCAG
chr3	41268854	41268893	CTNNB1_6925	+	GTGACCTATGCACCAGACGTGTATCTATTCTGAGTCTTGTGTATAGCATCTGCAGTTCTAAGATCGGAAGAGCGGTTCAG
chr3	41274946	41274985	CTNNB1_6926	+	GTGACCTATGCACCAGACGTAGTAAACTGGTGCCATGGGAATAGAGTCAAGATGAGTATGAGATCGGAAGAGCGGTTCAG
chr3	41275369	41275408	CTNNB1_6927	+	GTGACCTATGCACCAGACGTAAAGTAGAATTTACCTTTGTTGCAGAATTGAAAATGAAGCAGATCGGAAGAGCGGTTCAG
chr3	41275799	41275838	CTNNB1_6928	+	GTGACCTATGCACCAGACGTTCTTACAGTGATACCTGGCTATCTAAAAGGAATGCATAAAAGATCGGAAGAGCGGTTCAG
chr3	41277345	41277384	CTNNB1_6929	+	GTGACCTATGCACCAGACGTAGTGAAGTGTTCTAGGTTTTATGTCCATAAAATTTCCAGAAGATCGGAAGAGCGGTTCAG
chr3	41278001	41278040	CTNNB1_6930	+	GTGACCTATGCACCAGACGTAGGAACCAAAGCCTTTAGCAGATGTGTACATTGAAGTCTCAGATCGGAAGAGCGGTTCAG
chr3	41278211	41278250	CTNNB1_6931	+	GTGACCTATGCACCAGACGTGTGAGCAGTTATTTATCTGGTAGTTTCCTAGAGCAGGTATAGATCGGAAGAGCGGTTCAG
chr3	41279578	41279617	CTNNB1_6932	+	GTGACCTATGCACCAGACGTCATATTTCTCGATTAACTCCAGATCAAGCTAAAGTTCTAAAGATCGGAAGAGCGGTTCAG
chr3	41280844	41280883	CTNNB1_6933	+	GTGACCTATGCACCAGACGTAGGTAAGAAGTTTTAAAAAGCCAGTTTGGGTAAAATACTTAGATCGGAAGAGCGGTTCAG
chr8	38271333	38271372	FGFR1_6934	+	GTGACCTATGCACCAGACGTCGAGAGGAAGCAGCGATGGGCCGGGCCCCTCCTCCCTGCTAGATCGGAAGAGCGGTTCAG
chr8	38271552	38271591	FGFR1_6935	+	GTGACCTATGCACCAGACGTACTGTAAGGTCAGGGACGTCTCCTGGAGATGGATACTCTCAGATCGGAAGAGCGGTTCAG
chr8	38271818	38271857	FGFR1_6936	+	GTGACCTATGCACCAGACGTGCGGAGAGCCACAGGGTGTTAGAGCTTCTCCGCCTCCCCTAGATCGGAAGAGCGGTTCAG
chr8	38272158	38272197	FGFR1_6937	+	GTGACCTATGCACCAGACGTCACAGGGGAGGTTGGAGTGGCCCCAGGCAGGGCCATGAGGAGATCGGAAGAGCGGTTCAG
chr8	38273589	38273628	FGFR1_6938	+	GTGACCTATGCACCAGACGTAGGAGAAGAGGCCATGGGGCCAGCAGCAGGTGAGCAGGTTAGATCGGAAGAGCGGTTCAG
chr8	38274945	38274984	FGFR1_6939	+	GTGACCTATGCACCAGACGTCACGTTGAGACTCATTTACTTGGGAAGGGAGGAGGGCAGGAGATCGGAAGAGCGGTTCAG
chr8	38275520	38275559	FGFR1_6940	+	GTGACCTATGCACCAGACGTAAACAGAGAGTGGCATAAGTTGGGGCTGGTGAAGTTCAAAAGATCGGAAGAGCGGTTCAG
chr8	38275902	38275941	FGFR1_6941	+	GTGACCTATGCACCAGACGTGAGTGGGGTCACCCTAGAGCAAGGAGGGGGGACGGGGTGAAGATCGGAAGAGCGGTTCAG
chr8	38277264	38277303	FGFR1_6942	+	GTGACCTATGCACCAGACGTGCGAACAGGGTGTTAGCAGGCTTGGAGGGCCCCGTCCATGAGATCGGAAGAGCGGTTCAG
chr8	38279470	38279509	FGFR1_6943	+	GTGACCTATGCACCAGACGTCAACGGAAGCAAAATGGACAAGCACAGGACATGAGACCTCAGATCGGAAGAGCGGTTCAG
chr8	38282228	38282267	FGFR1_6944	+	GTGACCTATGCACCAGACGTTGGGAGAGGAGGCACTTGTCATGGGGACCTTGCCATGGCTAGATCGGAAGAGCGGTTCAG
chr8	38283774	38283813	FGFR1_6945	+	GTGACCTATGCACCAGACGTATGCCAAAGGGATACATTGAGGGTCCAGAGGAAAATGCAGAGATCGGAAGAGCGGTTCAG
chr8	38285622	38285661	FGFR1_6946	+	GTGACCTATGCACCAGACGTAAAGCCAAGAGAGACAGGCAGGGTGGAGAGGAGCAGCTGGAGATCGGAAGAGCGGTTCAG
chr8	38285964	38286003	FGFR1_6947	+	GTGACCTATGCACCAGACGTAAGAAGGGGCACTGAGGTTCCTCCTAGGGACCCCTAGATTAGATCGGAAGAGCGGTTCAG
chr8	38314975	38315014	FGFR1_6948	+	GTGACCTATGCACCAGACGTCAGTTAGAGGTTGGTGACAAGGCTCCACATCTCCATGGATAGATCGGAAGAGCGGTTCAG
chrX	15364392	15364431	FIGF_6949	+	GTGACCTATGCACCAGACGTAGAAAATAAAGATGAGAATTCAGAATCAATGACTGGATTCAGATCGGAAGAGCGGTTCAG
chrX	15365492	15365531	FIGF_6950	+	GTGACCTATGCACCAGACGTACAGAAACGTGTTGGTCAGATAGTTGTAGTGTGGCAATTGAGATCGGAAGAGCGGTTCAG
chrX	15371301	15371340	FIGF_6951	+	GTGACCTATGCACCAGACGTAAAACAATGAACCAGATTTAAAAGCTTTCAAGGATAATCAAGATCGGAAGAGCGGTTCAG
chrX	15376326	15376365	FIGF_6952	+	GTGACCTATGCACCAGACGTAAAGAAAGCTCACTGGGGCTAGCAGGTGGAATGGTCCTGGAGATCGGAAGAGCGGTTCAG
chrX	15381452	15381491	FIGF_6953	+	GTGACCTATGCACCAGACGTCAAAAATACCAGTTTAAAAACAAGTTACTAAATTTTAAATAGATCGGAAGAGCGGTTCAG
chrX	15402079	15402118	FIGF_6954	+	GTGACCTATGCACCAGACGTTCAATATCCACTGATTACTAAGCAGTTGACATCAGGCAGCAGATCGGAAGAGCGGTTCAG
chr11	532766	532805	HRAS_6955	+	GTGACCTATGCACCAGACGTAGGGATGGGATCAGGAGGGACCGGCCTGTGGCCGCCTGCCAGATCGGAAGAGCGGTTCAG
chr11	533369	533408	HRAS_6956	+	GTGACCTATGCACCAGACGTGGAGAGGGTCAGTGAGTGCTGCTCCCTGGCTGGGGCGGGGAGATCGGAAGAGCGGTTCAG
chr11	533623	533662	HRAS_6957	+	GTGACCTATGCACCAGACGTGAAAGCGAGAGCTGGCTACGGGGGCTGCAGGCGCAGCGGCAGATCGGAAGAGCGGTTCAG
chr11	533955	533994	HRAS_6958	+	GTGACCTATGCACCAGACGTACAGGGCTCAGGGACCCCCTCAGGACCTTCCGTGGGGGGAAGATCGGAAGAGCGGTTCAG
chr11	534333	534372	HRAS_6959	+	GTGACCTATGCACCAGACGTGGGCCTGCGGCCCGGGGTCCTCCTACAGGGTCTCCTGCCCAGATCGGAAGAGCGGTTCAG
chr15	88420362	88420401	NTRK3_6960	+	GTGACCTATGCACCAGACGTGAGAAGAACAAGGAAGTTACACCCAAAGCTCAGCCTTGGTAGATCGGAAGAGCGGTTCAG

chr15	88423670	88423709	NTRK3_6961	+	GTGACCTATGCACCAGACGTTTGAGATAGAGGCACACAGAGTGACCAGATGGCCAGAATGAGATCGGAAGAGCGGTTCAG
chr15	88472676	88472715	NTRK3_6962	+	GTGACCTATGCACCAGACGTATGGGGAGAAGAGAGGGGGCAGAGAGAAATCAGGAGATCAAGATCGGAAGAGCGGTTCAG
chr15	88476426	88476465	NTRK3_6963	+	GTGACCTATGCACCAGACGTTGCAGGACACAGGTGTTTAACAACTACAGGGCAGGGGGCTAGATCGGAAGAGCGGTTCAG
chr15	88483995	88484034	NTRK3_6964	+	GTGACCTATGCACCAGACGTGGGACAAAGAGGAGGGCAGCAAATCAGTCCTCGTTTGGTGAGATCGGAAGAGCGGTTCAG
chr15	88524602	88524641	NTRK3_6965	+	GTGACCTATGCACCAGACGTAGGCAGACATGGGGGAATTAATGGTCAGTATTAAACCCCAAGATCGGAAGAGCGGTTCAG
chr15	88576287	88576326	NTRK3_6966	+	GTGACCTATGCACCAGACGTCAAGAGAGACGCAGGACCTGGTGACGTCACATCCGGCCAGAGATCGGAAGAGCGGTTCAG
chr15	88669615	88669654	NTRK3_6967	+	GTGACCTATGCACCAGACGTCCAGAAACAGAGAGTCAGCAACAATCACAGAAAACCCAATAGATCGGAAGAGCGGTTCAG
chr15	88670468	88670507	NTRK3_6968	+	GTGACCTATGCACCAGACGTAACACAAAAAGGAGGAGGACAGTTAGCTTCCCGGCTGGGGAGATCGGAAGAGCGGTTCAG
chr15	88671976	88672015	NTRK3_6969	+	GTGACCTATGCACCAGACGTAGGACAAAGAGATAATTAACAAATTTAATAAAAACCAGAAAGATCGGAAGAGCGGTTCAG
chr15	88678639	88678678	NTRK3_6970	+	GTGACCTATGCACCAGACGTAGAAGCCTGCTGAAATCCAGGACACAGAGTCTACCACCTCAGATCGGAAGAGCGGTTCAG
chr15	88679282	88679321	NTRK3_6971	+	GTGACCTATGCACCAGACGTCAATAAAAAGATAACAATCAGATAGCTTCTACAAGGATGGAGATCGGAAGAGCGGTTCAG
chr15	88679851	88679890	NTRK3_6972	+	GTGACCTATGCACCAGACGTGACAAAGTGGGTGAAAAGACAGGCAAACACTTACTACCCAAGATCGGAAGAGCGGTTCAG
chr15	88680803	88680842	NTRK3_6973	+	GTGACCTATGCACCAGACGTAGAGAGAGGGGAAGGGAACCTCTGAACCGAAGATGGCCCAAGATCGGAAGAGCGGTTCAG
chr15	88690645	88690684	NTRK3_6974	+	GTGACCTATGCACCAGACGTGACAAATAAAGGGAAATTTTAAAACAAGTCTGGCACAAATAGATCGGAAGAGCGGTTCAG
chr15	88726731	88726770	NTRK3_6975	+	GTGACCTATGCACCAGACGTAGAAAAAGAGGATCAGCAGAGCTCAAGTGGCAGAGGGATAAGATCGGAAGAGCGGTTCAG
chr11	32410736	32410775	WT1_6976	+	GTGACCTATGCACCAGACGTAATTGCCAGTCAGAGACACTTGCAACAAAGAGACAGGCACAGATCGGAAGAGCGGTTCAG
chr11	32413621	32413660	WT1_6977	+	GTGACCTATGCACCAGACGTAGAGAAGGTCTAGCCTCGGCCCTAACAATGTGGGCACAGTAGATCGGAAGAGCGGTTCAG
chr11	32414312	32414351	WT1_6978	+	GTGACCTATGCACCAGACGTACACATATTCTATTTGAAAATGATACTGGAAAAGGGGATCAGATCGGAAGAGCGGTTCAG
chr11	32417964	32418003	WT1_6979	+	GTGACCTATGCACCAGACGTAGAGTAAGAGGAAGGGAGGCTTTAAGCCACATGTGAACATAGATCGGAAGAGCGGTTCAG
chr11	32421601	32421640	WT1_6980	+	GTGACCTATGCACCAGACGTAAAGAAGGGAAAAAGGCTCAGTGTGGCTCACAGTCGCCATAGATCGGAAGAGCGGTTCAG
chr11	32438097	32438136	WT1_6981	+	GTGACCTATGCACCAGACGTAGAAGAGGTGGGGAGTGGGGAATGGAGCATGCATGGATCTAGATCGGAAGAGCGGTTCAG
chr11	32439211	32439250	WT1_6982	+	GTGACCTATGCACCAGACGTAACATCTAGAGTTAGAAACACATAACCACAAAATAATACAAGATCGGAAGAGCGGTTCAG
chr11	32449615	32449654	WT1_6983	+	GTGACCTATGCACCAGACGTAACCGAAGACAGCTGAGCGAGTGCGCCCCAAGGGCTCGGGAGATCGGAAGAGCGGTTCAG
chr11	32450176	32450215	WT1_6984	+	GTGACCTATGCACCAGACGTGGCGGAGAGAAGCACAGTGTCAGCGGTGCTCTCGCAAGACAGATCGGAAGAGCGGTTCAG
chr11	32456902	32456941	WT1_6985	+	GTGACCTATGCACCAGACGTTCCAGGATCGCGGCGAGGAGACGGCGGGGCCCGGGCGCCTAGATCGGAAGAGCGGTTCAG
chr11	32456579	32456618	WT1_6986	+	GTGACCTATGCACCAGACGTCCGGCGCCCACTGCGCCGCGCCGCTCACAGGCAGGGCACAAGATCGGAAGAGCGGTTCAG
chr1	22405087	22405126	CDC42_6987	+	GTGACCTATGCACCAGACGTAGGCTTCCTTCTGTTAGTAAAATGTTGTAAAATTTGATATAGATCGGAAGAGCGGTTCAG
chr1	22408298	22408337	CDC42_6988	+	GTGACCTATGCACCAGACGTAATGTCTTTTATACTGTTTTGATCTTTAACAGTTGCTAGTAGATCGGAAGAGCGGTTCAG
chr1	22413052	22413091	CDC42_6989	+	GTGACCTATGCACCAGACGTCAGATACTCTTGCCCTAAGAAGATCATCTCAGAATTTCTAAGATCGGAAGAGCGGTTCAG
chr1	22413370	22413409	CDC42_6990	+	GTGACCTATGCACCAGACGTCATGAAACCCCATGTGTATTTATGGTCGAGTCATTTATTAAGATCGGAAGAGCGGTTCAG
chr1	22416536	22416575	CDC42_6991	+	GTGACCTATGCACCAGACGTCCTTCCCTTCTTTGCTGCTGCTTCCTGTCCCACTACTGTAAGATCGGAAGAGCGGTTCAG
chr1	22418021	22418060	CDC42_6992	+	GTGACCTATGCACCAGACGTAGAGCCCTTTCTGCACAGCTGGTGTCGGCATCATACTAAAAGATCGGAAGAGCGGTTCAG
chr8	118812147	118812186	EXT1_6993	+	GTGACCTATGCACCAGACGTGGAGAGAAACAAGGATAATGATGAGAGAAGTGCAAGGTGAAGATCGGAAGAGCGGTTCAG
chr8	118817143	118817182	EXT1_6994	+	GTGACCTATGCACCAGACGTCAAAGATGGGTTTCACAGGGGGCCATTATCACATGATGACAGATCGGAAGAGCGGTTCAG
chr8	118819627	118819666	EXT1_6995	+	GTGACCTATGCACCAGACGTAACACAAGCCAAACAAGCAATCAACAGTGTTAACAAATGTAGATCGGAAGAGCGGTTCAG
chr8	118825211	118825250	EXT1_6996	+	GTGACCTATGCACCAGACGTGTAGAAGTAGGCAGTGGGGAGGGAATGAGGGAAAGAGGTAAGATCGGAAGAGCGGTTCAG
chr8	118830780	118830819	EXT1_6997	+	GTGACCTATGCACCAGACGTTGGGGCTCATTAGATGGCTGGGGTAGGATGTATTTATGTAAGATCGGAAGAGCGGTTCAG
chr8	118832044	118832083	EXT1_6998	+	GTGACCTATGCACCAGACGTAAGGAGAGTAGAGCCTAATGAAGCGCTGGAAAGCAAGACTAGATCGGAAGAGCGGTTCAG
chr8	118834847	118834886	EXT1_6999	+	GTGACCTATGCACCAGACGTAAACATAGCACACAGTGAGGATGAGATCCTGATGATATTTAGATCGGAAGAGCGGTTCAG
chr8	118842599	118842638	EXT1_7000	+	GTGACCTATGCACCAGACGTAGGTGAACACATAGGAATTATAACTGTAAAACAAAGAGATAGATCGGAAGAGCGGTTCAG
chr8	118847801	118847840	EXT1_7001	+	GTGACCTATGCACCAGACGTAAGGGGACTTCGTGAATGTGAGGAAAGCGACAGCAGAAGCAGATCGGAAGAGCGGTTCAG
chr8	118849451	118849490	EXT1_7002	+	GTGACCTATGCACCAGACGTAAGAGGAGTAAACAGCAAATGAAGACTCATTGCGAATGTGAGATCGGAAGAGCGGTTCAG
chr8	119123296	119123335	EXT1_7003	+	GTGACCTATGCACCAGACGTTGGGTCAAGAGGATTGTAAATAAACACAAGAATCACCCAAAGATCGGAAGAGCGGTTCAG
chr8	119122815	119122854	EXT1_7004	+	GTGACCTATGCACCAGACGTACTCAGGACAAAGAGGCACGCCTGGCTGGGGTCCGAGGTGAGATCGGAAGAGCGGTTCAG
chr6	108883043	108883082	FOXO3_7005	+	GTGACCTATGCACCAGACGTACCCCGGGCTGGCAGCAGGACCCGCCGGGCCTCCTGCGCAAGATCGGAAGAGCGGTTCAG
chr6	108986069	108986108	FOXO3_7006	+	GTGACCTATGCACCAGACGTAGGAAGGGGAAGTGGGCAAAGCAGGTCAGTGCCGAATGCTAGATCGGAAGAGCGGTTCAG
chr6	108882732	108882771	FOXO3_7007	+	GTGACCTATGCACCAGACGTCCCCGGGTCTGGGCCAGCCACCGCGGCGGGCGGGCTGAGCAGATCGGAAGAGCGGTTCAG
chr6	108985135	108985174	FOXO3_7008	+	GTGACCTATGCACCAGACGTCCACGGCTGACTGATATGGCAGGCACCATGAATCTGAATGAGATCGGAAGAGCGGTTCAG
chr6	108985602	108985641	FOXO3_7009	+	GTGACCTATGCACCAGACGTGCCTAACCAGGGAAGTTTGGTCAATCAGAACTTGCTCCACAGATCGGAAGAGCGGTTCAG
chr1	204499956	204499995	MDM4_7010	+	GTGACCTATGCACCAGACGTTGAGGGCTTGCGTATCTTTTTGGGTGCTTATACCTAGCCAAGATCGGAAGAGCGGTTCAG
chr1	204501385	204501424	MDM4_7011	+	GTGACCTATGCACCAGACGTTCATATTTCTTCAGTCTGTATCACAGCTTTGAGTTCAAGGAGATCGGAAGAGCGGTTCAG
chr1	204506636	204506675	MDM4_7012	+	GTGACCTATGCACCAGACGTCACACGGTGACTTCTTTTGTTGTACAGAGTGGCCCCTTCTAGATCGGAAGAGCGGTTCAG
chr1	204507447	204507486	MDM4_7013	+	GTGACCTATGCACCAGACGTGATTAAGGCTATATAGACTTTTGTTCTCTTCCTCTTCCAAAGATCGGAAGAGCGGTTCAG
chr1	204512083	204512122	MDM4_7014	+	GTGACCTATGCACCAGACGTCATTTGAAGGGAAGTGGTTTTTTTTCTTTTGAAAGGGTAAAGATCGGAAGAGCGGTTCAG
chr1	204513823	204513862	MDM4_7015	+	GTGACCTATGCACCAGACGTGAAAAATTCCATGTTGATTCTGTTTGTGTGCTCATAGTATAGATCGGAAGAGCGGTTCAG
chr1	204516016	204516055	MDM4_7016	+	GTGACCTATGCACCAGACGTTTAGCAAGAACTATTTTGCACCAGCCCCATCTTCAGATGAAGATCGGAAGAGCGGTTCAG
chr1	204518821	204518860	MDM4_7017	+	GTGACCTATGCACCAGACGTAACATAAAAATGCATTTATTCCGTTCACTTACCACATTATAGATCGGAAGAGCGGTTCAG
chr1	204518536	204518575	MDM4_7018	+	GTGACCTATGCACCAGACGTGTTCTGAAAGCCAAGAGACCATCTCAAGCATGGGAGAACAAGATCGGAAGAGCGGTTCAG

chr7	538222	538261	PDGFA_7019	+	GTGACCTATGCACCAGACGTAAGGGAAAGACAGACACTGAGACCACCGACCAAGTGAACCAGATCGGAAGAGCGGTTCAG
chr7	540147	540186	PDGFA_7020	+	GTGACCTATGCACCAGACGTAAGGGCAGGGCGGTGAGTGGGCCGAGGGACGGCCGTCGGGAGATCGGAAGAGCGGTTCAG
chr7	540890	540929	PDGFA_7021	+	GTGACCTATGCACCAGACGTGAACAGAGCCCGGCCATGAATGCCTGCATGGAGCTTCGGAAGATCGGAAGAGCGGTTCAG
chr7	550644	550683	PDGFA_7022	+	GTGACCTATGCACCAGACGTGGGGGCACAGTGAGCGGGGACCGGCCTCTGCGACCACGGCAGATCGGAAGAGCGGTTCAG
chr7	552103	552142	PDGFA_7023	+	GTGACCTATGCACCAGACGTAAGGAGAACACCGTGAATGCCCCAGGCCCGTGCGCTGTGCAGATCGGAAGAGCGGTTCAG
chr7	558649	558688	PDGFA_7024	+	GTGACCTATGCACCAGACGTGGCGCTGGCTGCTCGGAGGAGAGGCGAGGCCGCGGGGCGGAGATCGGAAGAGCGGTTCAG
chr7	6013184	6013223	PMS2_7025	+	GTGACCTATGCACCAGACGTGACACAATGGTTCAACGTTTTAGTAGTTTTTTGACGTCAGAGATCGGAAGAGCGGTTCAG
chr7	6017399	6017438	PMS2_7026	+	GTGACCTATGCACCAGACGTACAATTTTGAGAAAAATCCATGACTTGACAAACACGTTTCAGATCGGAAGAGCGGTTCAG
chr7	6018338	6018377	PMS2_7027	+	GTGACCTATGCACCAGACGTCAAAAATGATTCAAACCATATCCTGAAGTCAAACATTTAGAGATCGGAAGAGCGGTTCAG
chr7	6022633	6022672	PMS2_7028	+	GTGACCTATGCACCAGACGTAAAATGTTAATTATCAGACATTTTACAAGATTATTTTTCTAGATCGGAAGAGCGGTTCAG
chr7	6027262	6027301	PMS2_7029	+	GTGACCTATGCACCAGACGTGTGGACGGAGAAGAGGGTCAGGGACTATCCTGAAATGGTGAGATCGGAAGAGCGGTTCAG
chr7	6031699	6031738	PMS2_7030	+	GTGACCTATGCACCAGACGTTACAAGGAGTAGAAAAGAATAAATGACAAATGTTCCCAGCAGATCGGAAGAGCGGTTCAG
chr7	6035275	6035314	PMS2_7031	+	GTGACCTATGCACCAGACGTTTAATATGGTAAGGGCAGGATTCCAGAGTGAAAGGGATTAAGATCGGAAGAGCGGTTCAG
chr7	6037065	6037104	PMS2_7032	+	GTGACCTATGCACCAGACGTAAAAAAAAAATTCACAGTTACTTCCTAATAAAGACAGAGTAGATCGGAAGAGCGGTTCAG
chr7	6038917	6038956	PMS2_7033	+	GTGACCTATGCACCAGACGTAACACAAACACAATATTCTACATTACTTTAATATTATAGGAGATCGGAAGAGCGGTTCAG
chr7	6042278	6042317	PMS2_7034	+	GTGACCTATGCACCAGACGTATACCAGGCATGGTGTGTTCAGTGAGAGACCCATGATGTTAGATCGGAAGAGCGGTTCAG
chr7	6043434	6043473	PMS2_7035	+	GTGACCTATGCACCAGACGTGTGTAAAGTAAGGACTAAGATATCTCAAGTGCTATAACAAAGATCGGAAGAGCGGTTCAG
chr7	6045673	6045712	PMS2_7036	+	GTGACCTATGCACCAGACGTCAGTTACAAGAAACAAATCAAGTATTCAGCTATATATTTTAGATCGGAAGAGCGGTTCAG
chr7	6048661	6048700	PMS2_7037	+	GTGACCTATGCACCAGACGTCCCGATCCGCCTCGGGGACTGGGAAAGTTCCCTCCAGGGCAGATCGGAAGAGCGGTTCAG
chr7	6026831	6026870	PMS2_7038	+	GTGACCTATGCACCAGACGTCTGGCCGCATACTCGCTGCTGCAGTGACTGCCCGTGTCTGAGATCGGAAGAGCGGTTCAG
chr21	36164918	36164957	RUNX1_7039	+	GTGACCTATGCACCAGACGTGGCAAGAGAACGGAGCGGAAGTGAGTAGGAGGTTGCGGAGAGATCGGAAGAGCGGTTCAG
chr21	36171770	36171809	RUNX1_7040	+	GTGACCTATGCACCAGACGTTCAGAAAGGTCAATTATATGTAAAGTGGGGTGGGATTTAAAGATCGGAAGAGCGGTTCAG
chr21	36194004	36194043	RUNX1_7041	+	GTGACCTATGCACCAGACGTCATGTGTGACCAGGGAGAAAGTTCGAAAATAAGGACAATTAGATCGGAAGAGCGGTTCAG
chr21	36231886	36231925	RUNX1_7042	+	GTGACCTATGCACCAGACGTACGATAGAGAACAAAACAGAATGAGGTTGGTGGCCTGAACAGATCGGAAGAGCGGTTCAG
chr21	36253021	36253060	RUNX1_7043	+	GTGACCTATGCACCAGACGTGTCAAAGGACAAATGCAGACATCAGGGATGTTATACATACAGATCGGAAGAGCGGTTCAG
chr21	36259404	36259443	RUNX1_7044	+	GTGACCTATGCACCAGACGTACGCATCACAACAAGCCGATTGAGTTAGGACCCTGCAAACAGATCGGAAGAGCGGTTCAG
chr21	36259420	36259459	RUNX1_7045	+	GTGACCTATGCACCAGACGTCGATTGAGTTAGGACCCTGCAAACAGCTCCTACCAGACGGAGATCGGAAGAGCGGTTCAG
chr21	36265271	36265310	RUNX1_7046	+	GTGACCTATGCACCAGACGTAGAAAGTAGGAAAATAAAAGTAATGCAAGTTTAAAAATTAAGATCGGAAGAGCGGTTCAG
chr21	36421207	36421246	RUNX1_7047	+	GTGACCTATGCACCAGACGTTGAAAATGCACCCTCTTCTGAAGGCGGGGGACTCAATGATAGATCGGAAGAGCGGTTCAG
chr3	10183882	10183921	VHL_7048	+	GTGACCTATGCACCAGACGTGGCGCTTAGGCCCGACCCAGCAGGGACGATAGCACGGTCTAGATCGGAAGAGCGGTTCAG
chr3	10188331	10188370	VHL_7049	+	GTGACCTATGCACCAGACGTTTTACTTTTTAAAAAGATAAGGTTGTTGTGGTAAGTACAGAGATCGGAAGAGCGGTTCAG
chr3	10191660	10191699	VHL_7050	+	GTGACCTATGCACCAGACGTTGAAACTTACACTGTTTCATCTCAGCTTTTGATGGTACTGAGATCGGAAGAGCGGTTCAG
chr8	30916070	30916109	WRN_7051	+	GTGACCTATGCACCAGACGTCATTGACTATTCTTTTGGGTGAGAAATTTAATTTATATTTAGATCGGAAGAGCGGTTCAG
chr8	30916792	30916831	WRN_7052	+	GTGACCTATGCACCAGACGTTGAATTTCCTGATTTTATTTGAATTTGGACCCTTAGAAGGAGATCGGAAGAGCGGTTCAG
chr8	30921961	30922000	WRN_7053	+	GTGACCTATGCACCAGACGTCTACATTTCATTTTTATATGGCTGATAATTGTAATATGTCAGATCGGAAGAGCGGTTCAG
chr8	30922590	30922629	WRN_7054	+	GTGACCTATGCACCAGACGTTATATATATAATTTTCATGATGAAGATTATTTTGTGTTACAGATCGGAAGAGCGGTTCAG
chr8	30924709	30924748	WRN_7055	+	GTGACCTATGCACCAGACGTAAAGATCTTTAGAAATTGTGATGTGTTTTAAAAACATTATAGATCGGAAGAGCGGTTCAG
chr8	30925854	30925893	WRN_7056	+	GTGACCTATGCACCAGACGTATCCATAAATAAAATGTGAATTCACTCTTTTGTGAGGTTTAGATCGGAAGAGCGGTTCAG
chr8	30933814	30933853	WRN_7057	+	GTGACCTATGCACCAGACGTACCTTTTTTTTTTTTAACTTAAATCAATTCTGTTTATTTTAGATCGGAAGAGCGGTTCAG
chr8	30941306	30941345	WRN_7058	+	GTGACCTATGCACCAGACGTAATTATAAAAATATTACTTCAAGTTCTTTCCAAAGGACATAGATCGGAAGAGCGGTTCAG
chr8	30942773	30942812	WRN_7059	+	GTGACCTATGCACCAGACGTAATTATAAAAACATTACTTCAAGTTCTTTCCAAAGGACATAGATCGGAAGAGCGGTTCAG
chr8	30945447	30945486	WRN_7060	+	GTGACCTATGCACCAGACGTAAGTATGTTTGAAATGACTCACCTGTGATACCTACCACTGAGATCGGAAGAGCGGTTCAG
chr8	30946492	30946531	WRN_7061	+	GTGACCTATGCACCAGACGTTCTCATTTAATCAAATCACATATTTAGTATTCTCTTTAAAAGATCGGAAGAGCGGTTCAG
chr8	30948059	30948098	WRN_7062	+	GTGACCTATGCACCAGACGTCTTAAGCAAAACCTAATCCTTTAAAAAAATAAAACATAAAAGATCGGAAGAGCGGTTCAG
chr8	30948469	30948508	WRN_7063	+	GTGACCTATGCACCAGACGTTTATCATTGCCACAATATCACCCTCTTTTTTTCTTCTGTGAGATCGGAAGAGCGGTTCAG
chr8	30954377	30954416	WRN_7064	+	GTGACCTATGCACCAGACGTAAGAAAGATCTCTGTAAATACTTACTGAGTTAATATTTAAAGATCGGAAGAGCGGTTCAG
chr8	30958482	30958521	WRN_7065	+	GTGACCTATGCACCAGACGTCCAAGTCTGATGTCCCGAAATTACATTCTTAATAAGGAGAAGATCGGAAGAGCGGTTCAG
chr8	30969326	30969365	WRN_7066	+	GTGACCTATGCACCAGACGTAATGGTTGATGAATTTTGGTAATGATTTCCTTTTTTTTTTAGATCGGAAGAGCGGTTCAG
chr8	30974055	30974094	WRN_7067	+	GTGACCTATGCACCAGACGTCAATCATCATTGCTCTCCGTTGCTCATAGTGGAAGTGGATAGATCGGAAGAGCGGTTCAG
chr8	30977951	30977990	WRN_7068	+	GTGACCTATGCACCAGACGTTTTATTGTTTTTACTCTTGCAGATTTCTTTCTTTCTTTCCAGATCGGAAGAGCGGTTCAG
chr8	30982150	30982189	WRN_7069	+	GTGACCTATGCACCAGACGTTTTATTTTATGCCAATAGTATGGATTTATGGATGATGCTCAGATCGGAAGAGCGGTTCAG
chr8	30982527	30982566	WRN_7070	+	GTGACCTATGCACCAGACGTCTTATTATAGATGGACATTCTAAAAGTCTTTCTTTCTCTTAGATCGGAAGAGCGGTTCAG
chr8	30990033	30990072	WRN_7071	+	GTGACCTATGCACCAGACGTATCTGTGAATTCCCTTCATAGATCTTCTTTTACTTCTATTAGATCGGAAGAGCGGTTCAG
chr8	30999127	30999166	WRN_7072	+	GTGACCTATGCACCAGACGTTAGGAGTCTGCCTGTTTGACTTAATTTTGTTTCCCACTCCAGATCGGAAGAGCGGTTCAG
chr8	30999302	30999341	WRN_7073	+	GTGACCTATGCACCAGACGTCAGTTTTTTTCTTGTAACTTCTGCATTTTTTGTTGCTATTAGATCGGAAGAGCGGTTCAG
chr8	31000228	31000267	WRN_7074	+	GTGACCTATGCACCAGACGTAAGAAATTGTTCTGATTTATTTCATTCTTTATTGATTCAAAGATCGGAAGAGCGGTTCAG
chr8	31001150	31001189	WRN_7075	+	GTGACCTATGCACCAGACGTCCATATTTCTATGTTCTATACTTGCTTTATGAGTACTTTTAGATCGGAAGAGCGGTTCAG
chr8	31004655	31004694	WRN_7076	+	GTGACCTATGCACCAGACGTTGTAAAAAGGTAATTAGTTTATGATAGGATAGTTATGATTAGATCGGAAGAGCGGTTCAG

chr8	31005003	31005042	WRN_7077	+	GTGACCTATGCACCAGACGTTTTTGCATGTGTTCTATTTATTTCCTTCTAACAAAATAGAAGATCGGAAGAGCGGTTCAG
chr8	31007982	31008021	WRN_7078	+	GTGACCTATGCACCAGACGTGTGGTTTGCAGGAGCTCTTAGAGAATAAGCATTTTTTGTAAGATCGGAAGAGCGGTTCAG
chr8	31012282	31012321	WRN_7079	+	GTGACCTATGCACCAGACGTCTTTCATGTTACAGGGAATTTTTTTAGTTTACTTAAACTTAGATCGGAAGAGCGGTTCAG
chr8	31015057	31015096	WRN_7080	+	GTGACCTATGCACCAGACGTTGGCCTAGCTCTGCACCCTTAATGACTTGATGAAGTAAACAGATCGGAAGAGCGGTTCAG
chr8	31024757	31024796	WRN_7081	+	GTGACCTATGCACCAGACGTTATATAGAATTTTCATAAAGTGTCAGTTTGTTCAATTTGCAGATCGGAAGAGCGGTTCAG
chr8	31030629	31030668	WRN_7082	+	GTGACCTATGCACCAGACGTACCAGAACAATTATGTTTCTTGCTGTATTATAAGAGGATAAGATCGGAAGAGCGGTTCAG
chr2	29419737	29419776	ALK_7083	+	GTGACCTATGCACCAGACGTAAGCACATTAATTAAAATAAGGAGAAGCACAATGATGAAAAGATCGGAAGAGCGGTTCAG
chr2	29430149	29430188	ALK_7084	+	GTGACCTATGCACCAGACGTGGAGAGGAAAACCAAACTAGGATCTGGAGATGGCATTAAGAGATCGGAAGAGCGGTTCAG
chr2	29432755	29432794	ALK_7085	+	GTGACCTATGCACCAGACGTAGGAAATGCATTTCCTAATTTTATCCCTAGGAAGATGAGTAGATCGGAAGAGCGGTTCAG
chr2	29436958	29436997	ALK_7086	+	GTGACCTATGCACCAGACGTACAGAAGCGGGCCACTGACGAGGAGCTTGTCAGTGAGAGGAGATCGGAAGAGCGGTTCAG
chr2	29443712	29443751	ALK_7087	+	GTGACCTATGCACCAGACGTGAGAGGGATGTAACCAAAATTAACTGAGCTGAGTCTGGGCAGATCGGAAGAGCGGTTCAG
chr2	29445285	29445324	ALK_7088	+	GTGACCTATGCACCAGACGTAAGGGGAGGGTGGGGAGGAGGAGGAGGCTGTGAGCTGAGAAGATCGGAAGAGCGGTTCAG
chr2	29445484	29445523	ALK_7089	+	GTGACCTATGCACCAGACGTGAGAAGACAAGAGGAGACAGAGTCAAACAGGCCACAATAAAGATCGGAAGAGCGGTTCAG
chr2	29446405	29446444	ALK_7090	+	GTGACCTATGCACCAGACGTGTGGTCAGCTGCAACATGGCCTGGCAGCCTGGCCCTTGAAAGATCGGAAGAGCGGTTCAG
chr2	29448442	29448481	ALK_7091	+	GTGACCTATGCACCAGACGTGGTCCCACTGGGGTATTGACAACCACACCAGGTCTCCTTTAGATCGGAAGAGCGGTTCAG
chr2	29449951	29449990	ALK_7092	+	GTGACCTATGCACCAGACGTGGAGGGAGGGTCAGTCTTGGGCCGAGCCTGCCTCCCCACTAGATCGGAAGAGCGGTTCAG
chr2	29450549	29450588	ALK_7093	+	GTGACCTATGCACCAGACGTAACCAGAGCAGAGTTTAACATGGGGGGTGGGTGCCAAAATAGATCGGAAGAGCGGTTCAG
chr2	29451943	29451982	ALK_7094	+	GTGACCTATGCACCAGACGTAGATAGGGAACCTGCGTGAGGATGCTGGCAAGGTTCAATTAGATCGGAAGAGCGGTTCAG
chr2	29455325	29455364	ALK_7095	+	GTGACCTATGCACCAGACGTGAGACATTCAGACATTGAGAAACCGAGCTGTGCTTCCCCCAGATCGGAAGAGCGGTTCAG
chr2	29456573	29456612	ALK_7096	+	GTGACCTATGCACCAGACGTAAAAAGCACGTTAGGTTTGTGGCCAAACCAGAGTTCTCCAAGATCGGAAGAGCGGTTCAG
chr2	29462707	29462746	ALK_7097	+	GTGACCTATGCACCAGACGTACAAAGAACGTTGGCTCCCGCTGTGGTATGAAGACTGTCCAGATCGGAAGAGCGGTTCAG
chr2	29474144	29474183	ALK_7098	+	GTGACCTATGCACCAGACGTAGAGGAGAGGCAGTCACTCATGTGGCCAGGCCCTCCCTCCAGATCGGAAGAGCGGTTCAG
chr2	29498104	29498143	ALK_7099	+	GTGACCTATGCACCAGACGTGAAGACCCCACGGGCTGAGTTAGGTGAGGGTTGATTTCAGAGATCGGAAGAGCGGTTCAG
chr2	29498373	29498412	ALK_7100	+	GTGACCTATGCACCAGACGTCAAGAGGAATGTGTGTGAGGAGCAAACTGGGGGGTCTTGTAGATCGGAAGAGCGGTTCAG
chr2	29519934	29519973	ALK_7101	+	GTGACCTATGCACCAGACGTGAGAAGAGTCAGAGGACAAGGTATGATTGCTGAAAGGTCCAGATCGGAAGAGCGGTTCAG
chr2	29541281	29541320	ALK_7102	+	GTGACCTATGCACCAGACGTGGAAAAGAATCACAAGCACGCCATTATCAGGAACTGGGGGAGATCGGAAGAGCGGTTCAG
chr2	29543759	29543798	ALK_7103	+	GTGACCTATGCACCAGACGTAGCAGAGAGGCACCATCATTTTCAGGACCACTAAAGGCAAAGATCGGAAGAGCGGTTCAG
chr2	29551358	29551397	ALK_7104	+	GTGACCTATGCACCAGACGTCACAGACACACAACCATGGTAAGTTTGCATGGCCCCAGGCAGATCGGAAGAGCGGTTCAG
chr2	29606736	29606775	ALK_7105	+	GTGACCTATGCACCAGACGTTGGAAAACAGAGGAGAAAAGCATAGAGAAACAGATATGAGAGATCGGAAGAGCGGTTCAG
chr2	29754993	29755032	ALK_7106	+	GTGACCTATGCACCAGACGTACAGGGAAAACGAATCTGCAGATGTGTTCAGGTAAGACCAAGATCGGAAGAGCGGTTCAG
chr2	29917891	29917930	ALK_7107	+	GTGACCTATGCACCAGACGTAGCCAAGGGTCAATGGAAAAAACCATTTCCCAAACGTGACAGATCGGAAGAGCGGTTCAG
chr2	29940574	29940613	ALK_7108	+	GTGACCTATGCACCAGACGTAAATAAAGAAAACACTGATCCATGTGCTTGGGGTGTGTCTAGATCGGAAGAGCGGTTCAG
chr2	30143536	30143575	ALK_7109	+	GTGACCTATGCACCAGACGTGAGGCCGTTTACACTGCTCTCCGGGCCCAGCCTCACCCTTAGATCGGAAGAGCGGTTCAG
chr2	29416449	29416488	ALK_7110	+	GTGACCTATGCACCAGACGTAGCTGGTGGGCTTGTTTCTGGATCCGTGGACCTTGTGCAAAGATCGGAAGAGCGGTTCAG
chr2	30143202	30143241	ALK_7111	+	GTGACCTATGCACCAGACGTGACCCCCGGCGCCGGCCCCAGCAACCTGAGCAGCGGGGCGAGATCGGAAGAGCGGTTCAG
chrX	66766615	66766654	AR_7112	+	GTGACCTATGCACCAGACGTCCTTCCAGAAATGTCGCCTTTCGGCCCAGGGCAGAGTCACAGATCGGAAGAGCGGTTCAG
chrX	66788875	66788914	AR_7113	+	GTGACCTATGCACCAGACGTCTTCAATTGAAAACTTAGAACTCAGTTTCTAGGGTAGTGAAGATCGGAAGAGCGGTTCAG
chrX	66863260	66863299	AR_7114	+	GTGACCTATGCACCAGACGTTTGCACATGCACTTCTCTTTCCCTTTCTCCTTTACCTTCCAGATCGGAAGAGCGGTTCAG
chrX	66937475	66937514	AR_7115	+	GTGACCTATGCACCAGACGTCTGGGGCCCAGACCTCACTAAAATACAGCAGCTTGGCCAGAGATCGGAAGAGCGGTTCAG
chrX	66941816	66941855	AR_7116	+	GTGACCTATGCACCAGACGTAGAAGTGCAGGGAATGCCCCCTGAGGGCACAGAGATTCAGAGATCGGAAGAGCGGTTCAG
chrX	66942837	66942876	AR_7117	+	GTGACCTATGCACCAGACGTGATGGAGGGTGCTTTATCAGGGAGAACAGCCTGATAGAGCAGATCGGAAGAGCGGTTCAG
chrX	66943694	66943733	AR_7118	+	GTGACCTATGCACCAGACGTACCCTATTTCCCCACCCCAGCTCATGCCCCCTTTCAGATGAGATCGGAAGAGCGGTTCAG
chrX	66765403	66765442	AR_7119	+	GTGACCTATGCACCAGACGTGTGGCCGCCAGCAAGGGGCTGCCGCAGCAGCTGCCAGCACAGATCGGAAGAGCGGTTCAG
chrX	66765807	66765846	AR_7120	+	GTGACCTATGCACCAGACGTGGGAGTTCCACCCGCTGTGCGTCCCACTCCTTGTGCCCCAAGATCGGAAGAGCGGTTCAG
chrX	66766211	66766250	AR_7121	+	GTGACCTATGCACCAGACGTATGGGGACCTGGCGAGCCTGCATGGCGCGGGTGCAGCGGGAGATCGGAAGAGCGGTTCAG
chr1	51436180	51436219	CDKN2C_7122	+	GTGACCTATGCACCAGACGTAGAGAGGTGGGGAAAACAAGTCAATAATGTTGCCTACGTGAGATCGGAAGAGCGGTTCAG
chr1	51439953	51439992	CDKN2C_7123	+	GTGACCTATGCACCAGACGTGGCTCCCCCACGTTGCCTCTACTTTATCAATTAACTGAGTAGATCGGAAGAGCGGTTCAG
chr11	125496739	125496778	CHEK1_7124	+	GTGACCTATGCACCAGACGTTTAAGCTTGCCTTCGTTTTCTGAGTGCATATTCATTGTTTAGATCGGAAGAGCGGTTCAG
chr11	125499202	125499241	CHEK1_7125	+	GTGACCTATGCACCAGACGTTTGTCTATTTCCCTTTTACTTAAAATTAGAGTGAATACATAGATCGGAAGAGCGGTTCAG
chr11	125503257	125503296	CHEK1_7126	+	GTGACCTATGCACCAGACGTTTTAATCATGGTAAAACTCCTATAAAAAGTCAGATTAGTTAGATCGGAAGAGCGGTTCAG
chr11	125505439	125505478	CHEK1_7127	+	GTGACCTATGCACCAGACGTTATCTTGAGTGAAAGAGTACCGATTTCTTGGATATGAAGTAGATCGGAAGAGCGGTTCAG
chr11	125507450	125507489	CHEK1_7128	+	GTGACCTATGCACCAGACGTTAAACTACAAGTTTGTTTGTTTTTCTGTGGAAGAAAAGGTAGATCGGAAGAGCGGTTCAG
chr11	125513806	125513845	CHEK1_7129	+	GTGACCTATGCACCAGACGTTAAAGATTGAGTAGTTTTTGATTGTAGTATTCCCCATGAAAGATCGGAAGAGCGGTTCAG
chr11	125514174	125514213	CHEK1_7130	+	GTGACCTATGCACCAGACGTTTAATTTTTTAAAAGTAATGGCAGCTCTTTATTTTTTATTAGATCGGAAGAGCGGTTCAG
chr11	125514549	125514588	CHEK1_7131	+	GTGACCTATGCACCAGACGTTTGATTTTCATTATACCTTTTCCTGAAGAAGAATTTAAATAGATCGGAAGAGCGGTTCAG
chr11	125523753	125523792	CHEK1_7132	+	GTGACCTATGCACCAGACGTGTTTTATTGTATTCTTTCTATGGAAATATTTCTATATGAAAGATCGGAAGAGCGGTTCAG
chr11	125525226	125525265	CHEK1_7133	+	GTGACCTATGCACCAGACGTGGCTCTGGGGAATCCTGGTGAATATAGTGCTGCTATGTTGAGATCGGAAGAGCGGTTCAG
chr22	29083985	29084024	CHEK2_7134	+	GTGACCTATGCACCAGACGTAGGAAAATGGAGAAATGTTCAAAAGAAAATCACTGGCTTCAGATCGGAAGAGCGGTTCAG

chr22	29085214	29085253	CHEK2_7135	+	GTGACCTATGCACCAGACGTATTAAAAACATAAGTAGCTGTGTCTGAAGGATAATAAACTAGATCGGAAGAGCGGTTCAG
chr22	29090116	29090155	CHEK2_7136	+	GTGACCTATGCACCAGACGTAATTGGGCAAATCACAGTGAAAAGGATAAATATATTATCAAGATCGGAAGAGCGGTTCAG
chr22	29091241	29091280	CHEK2_7137	+	GTGACCTATGCACCAGACGTGTAGAGAGAGAAAGGAAAAGAAATCAAGTGGCATTCTCAGAGATCGGAAGAGCGGTTCAG
chr22	29091872	29091911	CHEK2_7138	+	GTGACCTATGCACCAGACGTGTACAAAAGGGAATAATGTTGAACTTGCCATAAAATAAAAAGATCGGAAGAGCGGTTCAG
chr22	29092986	29093025	CHEK2_7139	+	GTGACCTATGCACCAGACGTAGGCAGGCATGACCCTCAGATTCATGCAGTAGATACTTAAAGATCGGAAGAGCGGTTCAG
chr22	29095936	29095975	CHEK2_7140	+	GTGACCTATGCACCAGACGTAAGGCAAGGCAAGGGGTTCATTCCTGGGGGAAAACGCACTAGATCGGAAGAGCGGTTCAG
chr22	29099565	29099604	CHEK2_7141	+	GTGACCTATGCACCAGACGTGGGGAGAAAAAAGGGAAAGTAGTGAGAAACTCCCAAGAGGAGATCGGAAGAGCGGTTCAG
chr22	29106058	29106097	CHEK2_7142	+	GTGACCTATGCACCAGACGTCAGAATAACAGAGTTTATTAGTAATAATAATTGCCAATATAGATCGGAAGAGCGGTTCAG
chr22	29108016	29108055	CHEK2_7143	+	GTGACCTATGCACCAGACGTAAACAAAGATAGTGATTGTCTGAATGTTTTTAATTATGAGAGATCGGAAGAGCGGTTCAG
chr22	29115484	29115523	CHEK2_7144	+	GTGACCTATGCACCAGACGTAAAGAGTAGAAATGGGTTTCATTAATTTATTCACAAGAGGAGATCGGAAGAGCGGTTCAG
chr22	29121123	29121162	CHEK2_7145	+	GTGACCTATGCACCAGACGTGAACATTTTGTTTCAGACTTTGAATAGCAGAGATTTATAGAGATCGGAAGAGCGGTTCAG
chr22	29121366	29121405	CHEK2_7146	+	GTGACCTATGCACCAGACGTAAAGCATGCATCAGAGGGCTGTTGAATTTCATGTATCAAAAGATCGGAAGAGCGGTTCAG
chr22	29130720	29130759	CHEK2_7147	+	GTGACCTATGCACCAGACGTAAAAGAAAGTGTCCAACAACAAAGGTGAGTTTCAAGGCACAGATCGGAAGAGCGGTTCAG
chr13	103498715	103498754	ERCC5_7148	+	GTGACCTATGCACCAGACGTCGCCGCGTTGGGACTTGGGGTGCAGGGATTCGGGGCTGGAAGATCGGAAGAGCGGTTCAG
chr13	103504654	103504693	ERCC5_7149	+	GTGACCTATGCACCAGACGTTATAGTTTTTAGTAAGTGTCAAATAATTTTTTTCTTTCTGAGATCGGAAGAGCGGTTCAG
chr13	103506233	103506272	ERCC5_7150	+	GTGACCTATGCACCAGACGTAATTATAGTCGTGTTAGAGATGAAGTTTTAAAAAAGTGATAGATCGGAAGAGCGGTTCAG
chr13	103506735	103506774	ERCC5_7151	+	GTGACCTATGCACCAGACGTAACTATTTAAGAATATTATTTTAGTCATTGCTACATTCAGAGATCGGAAGAGCGGTTCAG
chr13	103508473	103508512	ERCC5_7152	+	GTGACCTATGCACCAGACGTCATTTTTGAATTCAGAATGTATTCTGTTATTTGAAATGAAAGATCGGAAGAGCGGTTCAG
chr13	103510779	103510818	ERCC5_7153	+	GTGACCTATGCACCAGACGTCAACAGTACATTCATGCTTAGAATTAAGAACTTCAGCAAAAGATCGGAAGAGCGGTTCAG
chr13	103514075	103514114	ERCC5_7154	+	GTGACCTATGCACCAGACGTCCATCATTTATATATTTACATTAAAAAATCAAAGATATATAGATCGGAAGAGCGGTTCAG
chr13	103515464	103515503	ERCC5_7155	+	GTGACCTATGCACCAGACGTGTGCTTTTGTAGAAATCTGGAACGGTAGGATTTCCCCTCTAGATCGGAAGAGCGGTTCAG
chr13	103518272	103518311	ERCC5_7156	+	GTGACCTATGCACCAGACGTAACATTGTGTTTCGACTTCTTGCTGAGGAAGCCAGGTTAAAGATCGGAAGAGCGGTTCAG
chr13	103518742	103518781	ERCC5_7157	+	GTGACCTATGCACCAGACGTGCAGCTTGGGTTTCCTTTACCACCTTCTTCAGACCCCTGGAGATCGGAAGAGCGGTTCAG
chr13	103519206	103519245	ERCC5_7158	+	GTGACCTATGCACCAGACGTAGAGTCTTTTTGATTACTTTCTGACATTTACCTTCAGAGTAGATCGGAAGAGCGGTTCAG
chr13	103520618	103520657	ERCC5_7159	+	GTGACCTATGCACCAGACGTTTATTTCTTTAATTTGGATAATTGTGTAAATACCCAAATAAGATCGGAAGAGCGGTTCAG
chr13	103524759	103524798	ERCC5_7160	+	GTGACCTATGCACCAGACGTCTTCTTAAAAGAGAAGGAAACACCTTGTCAAATATGTGTTAGATCGGAAGAGCGGTTCAG
chr13	103525704	103525743	ERCC5_7161	+	GTGACCTATGCACCAGACGTTGGACCCTTCTCCTAAGTTCAGGATGAAGGGTAGGCTGTGAGATCGGAAGAGCGGTTCAG
chr13	103528264	103528303	ERCC5_7162	+	GTGACCTATGCACCAGACGTTGTATCCTCTATAATTAGTTATGACAGCCATTTGTAATGAAGATCGGAAGAGCGGTTCAG
chr13	103527965	103528004	ERCC5_7163	+	GTGACCTATGCACCAGACGTCTGCCTCTCAGAATCATCTGATGGATCTTCAAGTGAAGATAGATCGGAAGAGCGGTTCAG
chr13	103514748	103514787	ERCC5_7164	+	GTGACCTATGCACCAGACGTGAAGAAATGCGTATAAACAGCTCCACCGAGAACAGTGATGAGATCGGAAGAGCGGTTCAG
chr13	103515106	103515145	ERCC5_7165	+	GTGACCTATGCACCAGACGTATGAAACACATGCTGAAGTGCTTGAGCAGCAGAACGAACTAGATCGGAAGAGCGGTTCAG
chr10	90750674	90750713	FAS_7166	+	GTGACCTATGCACCAGACGTTCCTGCCCGGGTGGAGGCTTACCCCGTCTTAGTCCCGGGGAGATCGGAAGAGCGGTTCAG
chr10	90762962	90763001	FAS_7167	+	GTGACCTATGCACCAGACGTCAAAACATCCAGAGATTACAGTGAAAGTCACAGTTAGGAGAGATCGGAAGAGCGGTTCAG
chr10	90767605	90767644	FAS_7168	+	GTGACCTATGCACCAGACGTTAAAATGCAATTGAAAGAGGCCAATCTTGGAATTTCATGTAGATCGGAAGAGCGGTTCAG
chr10	90768765	90768804	FAS_7169	+	GTGACCTATGCACCAGACGTGTCTTTCTCTGATTAAAACACTAGATATAACATGAGAGTTAGATCGGAAGAGCGGTTCAG
chr10	90770368	90770407	FAS_7170	+	GTGACCTATGCACCAGACGTTTTTACGGTTATATTCTCCTTTCCCCCAACCCCATGGAAAAGATCGGAAGAGCGGTTCAG
chr10	90770574	90770613	FAS_7171	+	GTGACCTATGCACCAGACGTTAAGTTCTTGCTTTGTTCAAACTGCAGATTGAAATAACTTAGATCGGAAGAGCGGTTCAG
chr10	90770583	90770622	FAS_7172	+	GTGACCTATGCACCAGACGTGCTTTGTTCAAACTGCAGATTGAAATAACTTGGGAAGTAGAGATCGGAAGAGCGGTTCAG
chr10	90771769	90771808	FAS_7173	+	GTGACCTATGCACCAGACGTAGTACAGAAAACATGCAGAAAGCACAGAAAGGAAAACCAAAGATCGGAAGAGCGGTTCAG
chr10	90771849	90771888	FAS_7174	+	GTGACCTATGCACCAGACGTAAATAGGTATCAGCTTTCCTTGAAAAGAAAAATAGAGAAAAGATCGGAAGAGCGGTTCAG
chr10	90773135	90773174	FAS_7175	+	GTGACCTATGCACCAGACGTTATCATTTTATTTCATAGAGATGGCATCCTTTAGAGTAATAGATCGGAAGAGCGGTTCAG
chr10	90773898	90773937	FAS_7176	+	GTGACCTATGCACCAGACGTCACCACTATTGCTGGAGTCATGACACTAAGTCAAGTTAAAAGATCGGAAGAGCGGTTCAG
chr10	90774218	90774257	FAS_7177	+	GTGACCTATGCACCAGACGTAACAAATTCAGTTCTGAGTATATGCAATTAGTGTTTGAAAAGATCGGAAGAGCGGTTCAG
chr10	123239546	123239585	FGFR2_7178	+	GTGACCTATGCACCAGACGTGGAAGAGAGACGTTTTATTTCATCTTGGGTCAGGATAACAAGATCGGAAGAGCGGTTCAG
chr10	123241702	123241741	FGFR2_7179	+	GTGACCTATGCACCAGACGTAAAAACAGGGATATCAGTAGATTCCAAGTCTACAGTTAAAAGATCGGAAGAGCGGTTCAG
chr10	123243328	123243367	FGFR2_7180	+	GTGACCTATGCACCAGACGTTGGATTTCCTTGAATTAATTTCATATGCACTGGGTACGTGAGATCGGAAGAGCGGTTCAG
chr10	123245057	123245096	FGFR2_7181	+	GTGACCTATGCACCAGACGTAGGAGAAAGCACGGCATTACTAACCCATCCACGTTGCCAAAGATCGGAAGAGCGGTTCAG
chr10	123246949	123246988	FGFR2_7182	+	GTGACCTATGCACCAGACGTAGAGGAAAATGCAAAAACTAAATATATTTAAAAGAATTTAAGATCGGAAGAGCGGTTCAG
chr10	123247638	123247677	FGFR2_7183	+	GTGACCTATGCACCAGACGTGAAAGAAGCAAGAGAAATAACTAATTTCAAAACACCGCCAAGATCGGAAGAGCGGTTCAG
chr10	123256247	123256286	FGFR2_7184	+	GTGACCTATGCACCAGACGTAGAAGAGAAGCTCCCTAAAGAGAGAATCCAGGGTCTCCCCAGATCGGAAGAGCGGTTCAG
chr10	123258130	123258169	FGFR2_7185	+	GTGACCTATGCACCAGACGTTAGGCATATTCACAAATCAGTTCATTTCCTCTAACTCATGAGATCGGAAGAGCGGTTCAG
chr10	123260472	123260511	FGFR2_7186	+	GTGACCTATGCACCAGACGTAAATAGGGGATTAGCACATAGCATCTGGTGATGGGGTGTAAGATCGGAAGAGCGGTTCAG
chr10	123263466	123263505	FGFR2_7187	+	GTGACCTATGCACCAGACGTAATGCAAAGACACAGATGTAATCCTGGCTCCATCTGAGAAAGATCGGAAGAGCGGTTCAG
chr10	123274844	123274883	FGFR2_7188	+	GTGACCTATGCACCAGACGTGATCACAGGAGGAGGAACAGATAAGCAGGCCATAGAGTTAAGATCGGAAGAGCGGTTCAG
chr10	123276988	123277027	FGFR2_7189	+	GTGACCTATGCACCAGACGTAGGGAAGCAAAAGAAAAGGCTAGACGACACAGGAATGATTAGATCGGAAGAGCGGTTCAG
chr10	123278354	123278393	FGFR2_7190	+	GTGACCTATGCACCAGACGTCACAGGAGAACAATATAACGGCCAACCAGGAAGGTCTTAGAGATCGGAAGAGCGGTTCAG
chr10	123279694	123279733	FGFR2_7191	+	GTGACCTATGCACCAGACGTGAGGGAAGAAAGGAGGAGTGGGGATGGGAGAATGAGAGACAGATCGGAAGAGCGGTTCAG
chr10	123298240	123298279	FGFR2_7192	+	GTGACCTATGCACCAGACGTCAAAGCAAAGGCGGTTATTTAACAATCCTAGCACAGAATAAGATCGGAAGAGCGGTTCAG

chr10	123310984	123311023	FGFR2_7193	+	GTGACCTATGCACCAGACGTAAACAGTATTAGAATGTATACTGATGGACAGCTTCCCCTCAGATCGGAAGAGCGGTTCAG
chr10	123324104	123324143	FGFR2_7194	+	GTGACCTATGCACCAGACGTAAGAACATATTCCATGGATGTGTTTTTTGCAAAGCAAAAAAGATCGGAAGAGCGGTTCAG
chr10	123325229	123325268	FGFR2_7195	+	GTGACCTATGCACCAGACGTGTGGGAGAGAGAAGACGGAGACAGATGGGAAGGAGGGAGAAGATCGGAAGAGCGGTTCAG
chr10	123353342	123353381	FGFR2_7196	+	GTGACCTATGCACCAGACGTCCAATCCCCGGTCCTCTTCCATATCTCCATGTGGACGTTAAGATCGGAAGAGCGGTTCAG
chr1	32768345	32768384	HDAC1_7197	+	GTGACCTATGCACCAGACGTAGAGGTGCTACCGCTCCCTAACCTCATCTGCTCTGGTTCCAGATCGGAAGAGCGGTTCAG
chr1	32782394	32782433	HDAC1_7198	+	GTGACCTATGCACCAGACGTTCTGTTCCCTCACACTCTGAAGCCGCCAGTTGCATCTCCCAGATCGGAAGAGCGGTTCAG
chr1	32790165	32790204	HDAC1_7199	+	GTGACCTATGCACCAGACGTTTCATCTTCTCCCCAGGGGTAGACTGGGTTGTTCTAGTGAAGATCGGAAGAGCGGTTCAG
chr1	32792689	32792728	HDAC1_7200	+	GTGACCTATGCACCAGACGTCTGGCCTTGTCTCTTGGAAGAGCACCTTAGGCCAGGTTCCAGATCGGAAGAGCGGTTCAG
chr1	32793289	32793328	HDAC1_7201	+	GTGACCTATGCACCAGACGTCCTTTAGGAGCCAACCGGCTTACCCTCAGCTGGCAGCTCTAGATCGGAAGAGCGGTTCAG
chr1	32794772	32794811	HDAC1_7202	+	GTGACCTATGCACCAGACGTTTATCCACCCCTTGGGCTACAAACAGGGGATTGGTTGGCGAGATCGGAAGAGCGGTTCAG
chr1	32796298	32796337	HDAC1_7203	+	GTGACCTATGCACCAGACGTGTAGCACAAGGATGGGTGGGCGGGGTCCTGCTTGGTGCTCAGATCGGAAGAGCGGTTCAG
chr1	32796520	32796559	HDAC1_7204	+	GTGACCTATGCACCAGACGTCAGGGCCAGGTTCGGCTGGGCTGGGTGGGAGCTGGAGCTCAGATCGGAAGAGCGGTTCAG
chr1	32797194	32797233	HDAC1_7205	+	GTGACCTATGCACCAGACGTCCTCCAGCCACCCCTTGGTTGAACATTCCTGACTTTGGTTAGATCGGAAGAGCGGTTCAG
chr1	32797418	32797457	HDAC1_7206	+	GTGACCTATGCACCAGACGTGACCTAGAGCCCTATGCCTTCCATTCAATAGGCAGCTCACAGATCGGAAGAGCGGTTCAG
chr1	32797854	32797893	HDAC1_7207	+	GTGACCTATGCACCAGACGTGTTCAGCTGGGACTTGGGTCTCGAGCCTGAGAGGATGAATAGATCGGAAGAGCGGTTCAG
chr1	32798361	32798400	HDAC1_7208	+	GTGACCTATGCACCAGACGTAGCTGCCTGTGGCCATCTCCCTGGCATTGGAGCACCAGCCAGATCGGAAGAGCGGTTCAG
chr1	32798656	32798695	HDAC1_7209	+	GTGACCTATGCACCAGACGTCCAGCTCTGGCTTCCTGCTGAGTCCCTCACGTTTCTTCCCAGATCGGAAGAGCGGTTCAG
chr4	55946341	55946380	KDR_7210	+	GTGACCTATGCACCAGACGTAATGGCAAACAAAGGAGTTGGCAGAGAGAAGACAATTCTTAGATCGGAAGAGCGGTTCAG
chr4	55948219	55948258	KDR_7211	+	GTGACCTATGCACCAGACGTGACAATGAGATGGCACAGTTAATTGAGCATATAAAATGACAGATCGGAAGAGCGGTTCAG
chr4	55948813	55948852	KDR_7212	+	GTGACCTATGCACCAGACGTACAAATATTTATATTTTAGTGGTGGTATATTTGACTGCAGAGATCGGAAGAGCGGTTCAG
chr4	55953936	55953975	KDR_7213	+	GTGACCTATGCACCAGACGTAAACACAGAAGACTGTTGTTATGGCTTCAGTTCTTCAAGTAGATCGGAAGAGCGGTTCAG
chr4	55955151	55955190	KDR_7214	+	GTGACCTATGCACCAGACGTAAAACACTGATTTCATTAAATGCCTCTTTCTTCCTGAATGAGATCGGAAGAGCGGTTCAG
chr4	55955651	55955690	KDR_7215	+	GTGACCTATGCACCAGACGTACAGGGAGGAGACATTCTTTGATTTGATTTTCTCTTATAGAGATCGGAAGAGCGGTTCAG
chr4	55955980	55956019	KDR_7216	+	GTGACCTATGCACCAGACGTAGAAGACAAGGATTCAGAACCCAAATTAGCAAATATCTGAAGATCGGAAGAGCGGTTCAG
chr4	55956256	55956295	KDR_7217	+	GTGACCTATGCACCAGACGTAATCATGTGTGCATTAGGTCTCGGCACAGCTGATCTCTTTAGATCGGAAGAGCGGTTCAG
chr4	55958892	55958931	KDR_7218	+	GTGACCTATGCACCAGACGTAGGCAGGAGGATGGAGATCAGTATTTCCATGAGTTAGTGTAGATCGGAAGAGCGGTTCAG
chr4	55961133	55961172	KDR_7219	+	GTGACCTATGCACCAGACGTGCAAAGGAACAAACAAACTCCTTGAATACAAAATGAGTCTAGATCGGAAGAGCGGTTCAG
chr4	55961843	55961882	KDR_7220	+	GTGACCTATGCACCAGACGTCATGTCCAGGAAGGAAAATGGGTTTTCACTCATATTCCTCAGATCGGAAGAGCGGTTCAG
chr4	55962520	55962559	KDR_7221	+	GTGACCTATGCACCAGACGTAGTACAAAGAGGGAAATCATAGGTATGGACATTTCCTTCAAGATCGGAAGAGCGGTTCAG
chr4	55963944	55963983	KDR_7222	+	GTGACCTATGCACCAGACGTCAACAACAGCAACAAGAAAACAGACTTGGATTACTATACAAGATCGGAAGAGCGGTTCAG
chr4	55964450	55964489	KDR_7223	+	GTGACCTATGCACCAGACGTTCAATCCTTCCAGTCATAAACACACTGTTGTTTGGCTGTTAGATCGGAAGAGCGGTTCAG
chr4	55964981	55965020	KDR_7224	+	GTGACCTATGCACCAGACGTACAATTGAATGAGTATCAACAGTTGGAAACTTATACTTTTAGATCGGAAGAGCGGTTCAG
chr4	55968206	55968245	KDR_7225	+	GTGACCTATGCACCAGACGTAAGAAAACGATCATTCTCATTTATGATGATGTAGTCTGTGAGATCGGAAGAGCGGTTCAG
chr4	55968686	55968725	KDR_7226	+	GTGACCTATGCACCAGACGTAAAAAGAAAATCACAGAACATGGAATTATAACTTTTGAAAAGATCGGAAGAGCGGTTCAG
chr4	55971162	55971201	KDR_7227	+	GTGACCTATGCACCAGACGTGAGGCCATAGTTATTGAATGGTGATTTAACTTGGTACAGCAGATCGGAAGAGCGGTTCAG
chr4	55972118	55972157	KDR_7228	+	GTGACCTATGCACCAGACGTAAAAAACAAATCCCAGGCCATAAACAACGCGGCTGTTTGTAGATCGGAAGAGCGGTTCAG
chr4	55972988	55973027	KDR_7229	+	GTGACCTATGCACCAGACGTGAGATAACAGCGCATATTATGATTTAATTTTTCTTTAATTAGATCGGAAGAGCGGTTCAG
chr4	55974071	55974110	KDR_7230	+	GTGACCTATGCACCAGACGTGAAAAACAACTTTTGAATTGTCAGTCAGCTTTGAAGAATGAGATCGGAAGAGCGGTTCAG
chr4	55976744	55976783	KDR_7231	+	GTGACCTATGCACCAGACGTAAATTCTCAGGAATTAGTATAGTCAAAGGATTTGCTCTCAAGATCGGAAGAGCGGTTCAG
chr4	55976946	55976985	KDR_7232	+	GTGACCTATGCACCAGACGTATAAAAAAAAAAAAAGGTCAACTTACTGTAAATGGTCATTAGATCGGAAGAGCGGTTCAG
chr4	55979659	55979698	KDR_7233	+	GTGACCTATGCACCAGACGTGAGTTGACTGAACTTCCAAAGCACAGCATATAACATTACCAGATCGGAAGAGCGGTTCAG
chr4	55980443	55980482	KDR_7234	+	GTGACCTATGCACCAGACGTTAAATTGAAAAAACAGAACATGAGAGAGCAAATAAGCCTAAGATCGGAAGAGCGGTTCAG
chr4	55981220	55981259	KDR_7235	+	GTGACCTATGCACCAGACGTAAAAGACATATCAAATATTTAATCCAGTACCAAAAATGAGAGATCGGAAGAGCGGTTCAG
chr4	55981589	55981628	KDR_7236	+	GTGACCTATGCACCAGACGTATTTAGTTTTATTAATGAGTTAATAGTATTTACTAGAAAAAGATCGGAAGAGCGGTTCAG
chr4	55984978	55985017	KDR_7237	+	GTGACCTATGCACCAGACGTAATTTCAGGGAGGTATTAATATGAAGTGCCAGACTGTGAGAGATCGGAAGAGCGGTTCAG
chr4	55987368	55987407	KDR_7238	+	GTGACCTATGCACCAGACGTATTAAATAAATGAATGTAGTTGCCACTGAGTTAGACCTAAAGATCGGAAGAGCGGTTCAG
chr4	55991471	55991510	KDR_7239	+	GTGACCTATGCACCAGACGTGAGCCGGGCGAAATGCCCAGAACTCGGGAGCCGGTTCTTTAGATCGGAAGAGCGGTTCAG
chr7	150691060	150691099	NOS3_7240	+	GTGACCTATGCACCAGACGTGGCAGCTAGGAGCAGGTGGGCAACAAGGGTGGTGTCAAGGAGATCGGAAGAGCGGTTCAG
chr7	150692413	150692452	NOS3_7241	+	GTGACCTATGCACCAGACGTCATGCCCTGTCCCCATCGTCTCCAGGGAAAGGGTGGGTAAAGATCGGAAGAGCGGTTCAG
chr7	150693651	150693690	NOS3_7242	+	GTGACCTATGCACCAGACGTCCCGGACGCCACAGCCTCCCTTGTCCCACTGAGGCCCCAGAGATCGGAAGAGCGGTTCAG
chr7	150694024	150694063	NOS3_7243	+	GTGACCTATGCACCAGACGTCCAGCGACTGAGAGACCCGGGCGCTACCAAAAGGGGAGCGAGATCGGAAGAGCGGTTCAG
chr7	150695547	150695586	NOS3_7244	+	GTGACCTATGCACCAGACGTCCCACCATGCCAGGCCCCAGCCTTCTTCCCCAAGGCAGGGAGATCGGAAGAGCGGTTCAG
chr7	150695779	150695818	NOS3_7245	+	GTGACCTATGCACCAGACGTAGGGCCACCCATGAGGGTGTCCCCAAGGTGGAGAATGAGGAGATCGGAAGAGCGGTTCAG
chr7	150696184	150696223	NOS3_7246	+	GTGACCTATGCACCAGACGTAAGGGATTGACTGGGTGGGATGGAGGGGGCCATCCCTGAGAGATCGGAAGAGCGGTTCAG
chr7	150696463	150696502	NOS3_7247	+	GTGACCTATGCACCAGACGTGGATGGGGCTCGGGCACCGAATGCACCTGTCCAAGGCAGGAGATCGGAAGAGCGGTTCAG
chr7	150697698	150697737	NOS3_7248	+	GTGACCTATGCACCAGACGTCCAGACTGGCCAGGAAGGCAAAGGGTTTGCATACGGGGGCAGATCGGAAGAGCGGTTCAG
chr7	150698524	150698563	NOS3_7249	+	GTGACCTATGCACCAGACGTTAACTGGCTCTGCCAGCCTGGGCCCAGCTCTAATTCTAAGAGATCGGAAGAGCGGTTCAG
chr7	150698716	150698755	NOS3_7250	+	GTGACCTATGCACCAGACGTTGGGAGCCCCGCTCTCCCACACACACCCTGGGGGCCCCACAGATCGGAAGAGCGGTTCAG

chr7	150699064	150699103	NOS3_7251	+	GTGACCTATGCACCAGACGTGCCCAGGGGAGCAGGGAGCTAGAAAGAGGGGGCTCTATCAAGATCGGAAGAGCGGTTCAG
chr7	150699403	150699442	NOS3_7252	+	GTGACCTATGCACCAGACGTCCAGGAAAGGGGCTGCTGGGAATGAGGAGAGACTCAGAATAGATCGGAAGAGCGGTTCAG
chr7	150703593	150703632	NOS3_7253	+	GTGACCTATGCACCAGACGTTGAGAGTTTGGGGGAGCTGGGGGAGCTGATGCATTTGGAGAGATCGGAAGAGCGGTTCAG
chr7	150704104	150704143	NOS3_7254	+	GTGACCTATGCACCAGACGTCACCAAGAGGGGTGCAACGGGTGGGCAAGCTGCCTGGGCAAGATCGGAAGAGCGGTTCAG
chr7	150704375	150704414	NOS3_7255	+	GTGACCTATGCACCAGACGTCCCAGCCCCTGCTCTGACTCCTGCCCCCTGGGATGCCTCCAGATCGGAAGAGCGGTTCAG
chr7	150706161	150706200	NOS3_7256	+	GTGACCTATGCACCAGACGTCCCTCACCCTAACCCGGCTGGTTCTCTGAGGCCCCCACACAGATCGGAAGAGCGGTTCAG
chr7	150706366	150706405	NOS3_7257	+	GTGACCTATGCACCAGACGTCGGCTTTACCGCCCCCCCACCCCTGTCCTGAACACCCTGAAGATCGGAAGAGCGGTTCAG
chr7	150707386	150707425	NOS3_7258	+	GTGACCTATGCACCAGACGTACCCCAATGAGGCACAGGGGCTAGAGAGACGGGATGAGCTAGATCGGAAGAGCGGTTCAG
chr7	150707906	150707945	NOS3_7259	+	GTGACCTATGCACCAGACGTAAGCAGGAGCAGGCCTGGCCACAGCAGGGTTGGGACCGGCAGATCGGAAGAGCGGTTCAG
chr7	150708085	150708124	NOS3_7260	+	GTGACCTATGCACCAGACGTTGGAAGACTTGGTGGGGAGCTGCCCAGGGTCAGGGTGGCAAGATCGGAAGAGCGGTTCAG
chr7	150709571	150709610	NOS3_7261	+	GTGACCTATGCACCAGACGTGGACTAAAGGACTGCCTGAAGGGAGTCACACAATCTAGGGAGATCGGAAGAGCGGTTCAG
chr7	150710478	150710517	NOS3_7262	+	GTGACCTATGCACCAGACGTCTGAGGGCGCAATGGTAACCTGAAGATAGGGAGAGAGGGGAGATCGGAAGAGCGGTTCAG
chr7	150711017	150711056	NOS3_7263	+	GTGACCTATGCACCAGACGTGCGGGCCGGGCCTGAGCGTGCGGGGTTCCTGCTAAGGTCTAGATCGGAAGAGCGGTTCAG
chr7	150711268	150711307	NOS3_7264	+	GTGACCTATGCACCAGACGTGCTTTCCCTTCCAGTTCCGGGAGAGCGGCTGCCCGACTCAAGATCGGAAGAGCGGTTCAG
chr9	98209744	98209783	PTCH1_7265	+	GTGACCTATGCACCAGACGTTGAGGGTGGGTTAGAAGGGTGGTATCCCAGGCTGGGCATGAGATCGGAAGAGCGGTTCAG
chr9	98211616	98211655	PTCH1_7266	+	GTGACCTATGCACCAGACGTGGATTCCATGTTAAAAGTGTTCTTGTCCATTTACCTGCTGAGATCGGAAGAGCGGTTCAG
chr9	98212233	98212272	PTCH1_7267	+	GTGACCTATGCACCAGACGTAAGAGGAAACGGGAACACGCGCTGTGACAGGGTGGATCGCAGATCGGAAGAGCGGTTCAG
chr9	98215913	98215952	PTCH1_7268	+	GTGACCTATGCACCAGACGTAGGATGTTCACAAGATCAGGTTGCTGGACTTCACCTGGTAAGATCGGAAGAGCGGTTCAG
chr9	98218706	98218745	PTCH1_7269	+	GTGACCTATGCACCAGACGTGCACACAGTGGTCAGTGGGCGGGCAGGTCACCCTCTGGGGAGATCGGAAGAGCGGTTCAG
chr9	98220586	98220625	PTCH1_7270	+	GTGACCTATGCACCAGACGTAAGGGCACAGGTTAGGAGCAGCCCAGGGTAGAAGAGCATCAGATCGGAAGAGCGGTTCAG
chr9	98222076	98222115	PTCH1_7271	+	GTGACCTATGCACCAGACGTGGGAAGAACAGAGGCCTTTGAGAATGGGGTTGGGGGTAAAAGATCGGAAGAGCGGTTCAG
chr9	98224291	98224330	PTCH1_7272	+	GTGACCTATGCACCAGACGTCAAATGATTGTAACACATTATAACTCGCAGCCAGAAGGACAGATCGGAAGAGCGGTTCAG
chr9	98229718	98229757	PTCH1_7273	+	GTGACCTATGCACCAGACGTAGAGGCACAAGGTCAGACCCCAGGGAGCACCACTGACTCTAGATCGGAAGAGCGGTTCAG
chr9	98231446	98231485	PTCH1_7274	+	GTGACCTATGCACCAGACGTGGGAAACATGTTGCAATGTTATGCTGAAACAGGGAAATGGAGATCGGAAGAGCGGTTCAG
chr9	98232224	98232263	PTCH1_7275	+	GTGACCTATGCACCAGACGTAAAAAAAATTCAGAGGTCACCAACATGCCTCCGCCCAATCAGATCGGAAGAGCGGTTCAG
chr9	98238452	98238491	PTCH1_7276	+	GTGACCTATGCACCAGACGTAAAAACACAGCGCTGAGAGCTGCACTGGACATGGTCCCCTAGATCGGAAGAGCGGTTCAG
chr9	98239150	98239189	PTCH1_7277	+	GTGACCTATGCACCAGACGTAACAGAGGATGGTGGCATTAGACATGCGAGATGCAATTCAAGATCGGAAGAGCGGTTCAG
chr9	98239995	98240034	PTCH1_7278	+	GTGACCTATGCACCAGACGTAACAATGGGGGCACAGAACAAAAGCCGAACATTAGAATGTAGATCGGAAGAGCGGTTCAG
chr9	98240479	98240518	PTCH1_7279	+	GTGACCTATGCACCAGACGTAACAGAATGCGAAATGCCCAAATGCAATGAACACTTCCACAGATCGGAAGAGCGGTTCAG
chr9	98241440	98241479	PTCH1_7280	+	GTGACCTATGCACCAGACGTGTCCAAGGGAAGGCACATCATCAGTATTCCCAGGAAGCAGAGATCGGAAGAGCGGTTCAG
chr9	98242881	98242920	PTCH1_7281	+	GTGACCTATGCACCAGACGTAATTAGGAGACGAGACCATGAAAAGAGCCTTCTAAACGCAAGATCGGAAGAGCGGTTCAG
chr9	98244333	98244372	PTCH1_7282	+	GTGACCTATGCACCAGACGTTAAAAAGAAGAGGCCATGCGTTAGGTTAAGGCACACTACTAGATCGGAAGAGCGGTTCAG
chr9	98248108	98248147	PTCH1_7283	+	GTGACCTATGCACCAGACGTCCAATCTTCTGGCGAGTATAATTTAATTCACGACTTACTCAGATCGGAAGAGCGGTTCAG
chr9	98248167	98248206	PTCH1_7284	+	GTGACCTATGCACCAGACGTTGTACAGGTTTAATTAGAATAGCAAAATCACTGCAAACTCAGATCGGAAGAGCGGTTCAG
chr9	98268892	98268931	PTCH1_7285	+	GTGACCTATGCACCAGACGTAGCAGAAGGGAGGAGTGAGCGCCGGGGAGTCGCGGCCCGCAGATCGGAAGAGCGGTTCAG
chr9	98278764	98278803	PTCH1_7286	+	GTGACCTATGCACCAGACGTCAACCCCTGCTCGGAGCGCGGGTGCCGATGGCGCGGACGCAGATCGGAAGAGCGGTTCAG
chr9	98279113	98279152	PTCH1_7287	+	GTGACCTATGCACCAGACGTGTGGGTGGTCTGCCGCGCCATAGGCAGGACCTGTCAGGGTAGATCGGAAGAGCGGTTCAG
chr9	98209474	98209513	PTCH1_7288	+	GTGACCTATGCACCAGACGTGTGGACGCTGGGTTCCGAGGGTTGTGAGAACGGGCCCCGCAGATCGGAAGAGCGGTTCAG
chr5	1253957	1253996	TERT_7289	+	GTGACCTATGCACCAGACGTAAAATCAGACTCCGTTCCAGAAGAGGCCAGAGGTGGCATCAGATCGGAAGAGCGGTTCAG
chr5	1254631	1254670	TERT_7290	+	GTGACCTATGCACCAGACGTACAGAGGCTGAGGAGTCACAGGCCCAGCCCAGCTCCCCTCAGATCGGAAGAGCGGTTCAG
chr5	1255537	1255576	TERT_7291	+	GTGACCTATGCACCAGACGTGGCGGACAGCGTCAGAGGAAAGGCCTCCTAATCAGACGGTAGATCGGAAGAGCGGTTCAG
chr5	1258785	1258824	TERT_7292	+	GTGACCTATGCACCAGACGTCAAGAAAGAGTGAGAAACGGTAGAAACCTCTCTGGGATTTAGATCGGAAGAGCGGTTCAG
chr5	1260726	1260765	TERT_7293	+	GTGACCTATGCACCAGACGTGGGGGGAATGTCAGACACAGGTGCCTGCCCCACACCCAGCAGATCGGAAGAGCGGTTCAG
chr5	1264718	1264757	TERT_7294	+	GTGACCTATGCACCAGACGTGGGGCAATGTCAGCCCCAGGATGCGGGGCCGTCACCCAGGAGATCGGAAGAGCGGTTCAG
chr5	1266661	1266700	TERT_7295	+	GTGACCTATGCACCAGACGTGGAAAATACACAGCAAGGTTAACTTTACACTTTTTACGTAAGATCGGAAGAGCGGTTCAG
chr5	1268759	1268798	TERT_7296	+	GTGACCTATGCACCAGACGTAAGACACAGGTGAGAGACGGGCAGGGCATGTGCTGGACATAGATCGGAAGAGCGGTTCAG
chr5	1271330	1271369	TERT_7297	+	GTGACCTATGCACCAGACGTAGACGGGAGACACATGGGAGTGAGCCGGTGGGTGCTGAGAAGATCGGAAGAGCGGTTCAG
chr5	1272406	1272445	TERT_7298	+	GTGACCTATGCACCAGACGTAGGAGAGGGCATGAGCCACAAATGTGGCCTGCCCCGGCCAAGATCGGAAGAGCGGTTCAG
chr5	1278886	1278925	TERT_7299	+	GTGACCTATGCACCAGACGTGTGTCGTACGCGCCCGTCACATCCACCTGTGTGAGTGGAGAGATCGGAAGAGCGGTTCAG
chr5	1278922	1278961	TERT_7300	+	GTGACCTATGCACCAGACGTGGAGGCGAGGAGACTGACAGTGGCCACGCAGAAACTCAGAAGATCGGAAGAGCGGTTCAG
chr5	1279596	1279635	TERT_7301	+	GTGACCTATGCACCAGACGTCAGCATGGGAGACAGTCAGGAAAGTGGATCCGGCCAAGTGAGATCGGAAGAGCGGTTCAG
chr5	1280464	1280503	TERT_7302	+	GTGACCTATGCACCAGACGTGAGCCCCTCAGGAGGCTTGCTCAGCCAGACAACAGACTAGAGATCGGAAGAGCGGTTCAG
chr5	1282750	1282789	TERT_7303	+	GTGACCTATGCACCAGACGTAAGGACATGCCACATCCAGATCACCGAGGGCCTGGTGACCAGATCGGAAGAGCGGTTCAG
chr5	1294792	1294831	TERT_7304	+	GTGACCTATGCACCAGACGTAGCGCCCTGAGTCGCCTGCGCTGCTCTCCGCATGTCGCTGAGATCGGAAGAGCGGTTCAG
chr5	1295115	1295154	TERT_7305	+	GTGACCTATGCACCAGACGTGCCGGGGCCAGGGCTTCCCACGTGCGCAGCAGGACGCAGCAGATCGGAAGAGCGGTTCAG
chr5	1293889	1293928	TERT_7306	+	GTGACCTATGCACCAGACGTCAGGGCCTGGAACCCAGAAAGATGGTCTCCACGAGCCTCCAGATCGGAAGAGCGGTTCAG
chr5	1294340	1294379	TERT_7307	+	GTGACCTATGCACCAGACGTCACCCGGGGCTGGCAGGCCCAGGGGGACCCCGGCCTCCCTAGATCGGAAGAGCGGTTCAG
chr16	2098765	2098804	TSC2_7308	+	GTGACCTATGCACCAGACGTTACCTGTGTCTTTGCTAGGCTAGAGGGAAATGCAGAGAAGAGATCGGAAGAGCGGTTCAG

chr16	2100498	2100537	TSC2_7309	+	GTGACCTATGCACCAGACGTCCAGTTGAGCTACTAGAGAGAGGCACGTAGACTATTCAGAAGATCGGAAGAGCGGTTCAG
chr16	2103464	2103503	TSC2_7310	+	GTGACCTATGCACCAGACGTGGGCGACGCTGGGATGGGTGACGTCAGGCTGCCCACTGACAGATCGGAAGAGCGGTTCAG
chr16	2104452	2104491	TSC2_7311	+	GTGACCTATGCACCAGACGTCCTTGGGTTGGAGGTTTCTCTGGCCTTGACGATCAAGTGTAGATCGGAAGAGCGGTTCAG
chr16	2105531	2105570	TSC2_7312	+	GTGACCTATGCACCAGACGTAATTGAGATCCTGTTCTGATAATGGTCCTAAGTTCAGCTCAGATCGGAAGAGCGGTTCAG
chr16	2106781	2106820	TSC2_7313	+	GTGACCTATGCACCAGACGTTGAAACTGCTCTGGAAGGTTCCTGAGAGCACATGGATGGGAGATCGGAAGAGCGGTTCAG
chr16	2107190	2107229	TSC2_7314	+	GTGACCTATGCACCAGACGTTGGGTGGGGCGCAGGGCAGTGGAGGCCAGCACAGCCCTCGAGATCGGAAGAGCGGTTCAG
chr16	2108885	2108924	TSC2_7315	+	GTGACCTATGCACCAGACGTTTCTGTGTGCAGTGAGCTGGCAGGAACGGGAGAGCTCCCCAGATCGGAAGAGCGGTTCAG
chr16	2110825	2110864	TSC2_7316	+	GTGACCTATGCACCAGACGTGGCAGGAGCTCCGGGGAGCACCGGGAACCCAGACAGGCAGAGATCGGAAGAGCGGTTCAG
chr16	2112020	2112059	TSC2_7317	+	GTGACCTATGCACCAGACGTCTCCTGGGTGGGGCCTTTGGGCTTTGGCTGGTGGGGAGGGAGATCGGAAGAGCGGTTCAG
chr16	2112612	2112651	TSC2_7318	+	GTGACCTATGCACCAGACGTCTCTGTAGCCTTGCCTGGCACCTGGAGCCTGGCCCTGTCTAGATCGGAAGAGCGGTTCAG
chr16	2113065	2113104	TSC2_7319	+	GTGACCTATGCACCAGACGTAGGCGGCCGCAGCTGGGGGCTCAGGGCTATTTCTCCGTGGAGATCGGAAGAGCGGTTCAG
chr16	2114439	2114478	TSC2_7320	+	GTGACCTATGCACCAGACGTTTGTACCCGGGGCCGGGTGCTAGCGTGCCAGAGCTCCGTGAGATCGGAAGAGCGGTTCAG
chr16	2115647	2115686	TSC2_7321	+	GTGACCTATGCACCAGACGTTGCACGAGGCCTCTGCTCCCGGGGCGCGCATGGCTAGCGTAGATCGGAAGAGCGGTTCAG
chr16	2120590	2120629	TSC2_7322	+	GTGACCTATGCACCAGACGTTGGGGTTGCGCAGCCAGTTCCTGGGGGCCCAGCCAGGTATAGATCGGAAGAGCGGTTCAG
chr16	2121628	2121667	TSC2_7323	+	GTGACCTATGCACCAGACGTCCTCGCCCACGGCCCATGAGGCTCAGGGCGTCAGAGGCGCAGATCGGAAGAGCGGTTCAG
chr16	2121946	2121985	TSC2_7324	+	GTGACCTATGCACCAGACGTCCGGGCAGGGACCATCCGTCCCACGTTGGGCCAGGAGGACAGATCGGAAGAGCGGTTCAG
chr16	2122375	2122414	TSC2_7325	+	GTGACCTATGCACCAGACGTCGGCCTGGGGTTGGGGTGGGGGACCCAGTAGGGTTTTTCCAGATCGGAAGAGCGGTTCAG
chr16	2122995	2123034	TSC2_7326	+	GTGACCTATGCACCAGACGTAGAGCAGGACAGGCGAGCTTGATGGGGCCTGGGATTCGAGAGATCGGAAGAGCGGTTCAG
chr16	2124401	2124440	TSC2_7327	+	GTGACCTATGCACCAGACGTGCCCTGCCTGCGCATGCACCCGAGAGGTTCGGGCTGTGTAAGATCGGAAGAGCGGTTCAG
chr16	2125904	2125943	TSC2_7328	+	GTGACCTATGCACCAGACGTGCCCCAGGCCCTGTGCCTCCCAGCCGTGGCCCCCGCTAGGAGATCGGAAGAGCGGTTCAG
chr16	2126182	2126221	TSC2_7329	+	GTGACCTATGCACCAGACGTGGCCGGTGAAGGCTGTGTCTCTCGGTAGGCCAGGGCTTGCAGATCGGAAGAGCGGTTCAG
chr16	2126597	2126636	TSC2_7330	+	GTGACCTATGCACCAGACGTCGGGGGTGTGCCTGGAGTCGGTGTGGGGTGGGGAAGGACAAGATCGGAAGAGCGGTTCAG
chr16	2127738	2127777	TSC2_7331	+	GTGACCTATGCACCAGACGTTGTCGGGTGGGGGGCACGGACCCTGGAGCTTGGCCCCGTGAGATCGGAAGAGCGGTTCAG
chr16	2129208	2129247	TSC2_7332	+	GTGACCTATGCACCAGACGTCACTACAGGGCTGGGCGGGCCTGCGGGAGCTCCACGGGCAAGATCGGAAGAGCGGTTCAG
chr16	2129440	2129479	TSC2_7333	+	GTGACCTATGCACCAGACGTCTTCCTTTCCTCCGCGCCTGCCAGCCTCGACACCGGCTGTAGATCGGAAGAGCGGTTCAG
chr16	2129681	2129720	TSC2_7334	+	GTGACCTATGCACCAGACGTGCCCCAGCCACCTCCACACAGGCACCGGGGCTCCCTCAGTAGATCGGAAGAGCGGTTCAG
chr16	2130389	2130428	TSC2_7335	+	GTGACCTATGCACCAGACGTGGGCTGGCCTGAGCGCCATCTTTCTGCCAGTCACCCACAGAGATCGGAAGAGCGGTTCAG
chr16	2131810	2131849	TSC2_7336	+	GTGACCTATGCACCAGACGTTGGCGGGCCTTGGCACGGGCTCTGCTCCCACTGGCCTGGTAGATCGGAAGAGCGGTTCAG
chr16	2132516	2132555	TSC2_7337	+	GTGACCTATGCACCAGACGTTCAGAGGGAAGCGGTTGGCTGCAGAGCGCCACTCTGCCTCAGATCGGAAGAGCGGTTCAG
chr16	2133828	2133867	TSC2_7338	+	GTGACCTATGCACCAGACGTCTCAGAGCCTGGACCCTGCTGACCTCGGGGGGCTCCTTAGAGATCGGAAGAGCGGTTCAG
chr16	2134727	2134766	TSC2_7339	+	GTGACCTATGCACCAGACGTTGCTTCCGGGCGGGGCTCCTGACACCTCTCCTGCGGGAACAGATCGGAAGAGCGGTTCAG
chr16	2135038	2135077	TSC2_7340	+	GTGACCTATGCACCAGACGTCCTCCCTCTCCTGCATCCGCTGGAGCTGTGTGGCTCGGGTAGATCGGAAGAGCGGTTCAG
chr16	2135334	2135373	TSC2_7341	+	GTGACCTATGCACCAGACGTGGGGCCGGCCTAGGTGCCTGGACAGGGCCAGCTGGGCCTCAGATCGGAAGAGCGGTTCAG
chr16	2136391	2136430	TSC2_7342	+	GTGACCTATGCACCAGACGTGCGCCTACCCGCTCCTGCTGCCCCAGGCCTCAGGGCACGGAGATCGGAAGAGCGGTTCAG
chr16	2136883	2136922	TSC2_7343	+	GTGACCTATGCACCAGACGTGGCCGTCAGTGAGGCTGGGCCCCAGGCAGGTGCCCACTGCAGATCGGAAGAGCGGTTCAG
chr16	2137953	2137992	TSC2_7344	+	GTGACCTATGCACCAGACGTGTGGGGCCCTGCAGTGCAGGAAAGGTAGGGCCGGGTGGGGAGATCGGAAGAGCGGTTCAG
chr16	2138151	2138190	TSC2_7345	+	GTGACCTATGCACCAGACGTGTGGGTCCAGGCGTGAGCTGGTGGGACAGGCCCAGGTGCCAGATCGGAAGAGCGGTTCAG
chr16	2138337	2138376	TSC2_7346	+	GTGACCTATGCACCAGACGTTGGGGCTCCCTCAGCGGGGTGTGCTGGCTGCCCAAGCTGTAGATCGGAAGAGCGGTTCAG
chr16	2138622	2138661	TSC2_7347	+	GTGACCTATGCACCAGACGTCTCCCTCCTGCACTGGCCTTGGACGGTATTGCCTGTCAGTAGATCGGAAGAGCGGTTCAG
chr15	91290731	91290770	BLM_7348	+	GTGACCTATGCACCAGACGTTGACTGGTTTGCTGTCACATAGGCACTAACTTACCACATTAGATCGGAAGAGCGGTTCAG
chr15	91293308	91293347	BLM_7349	+	GTGACCTATGCACCAGACGTTTTTATCTTCATTTTAGTATGTTCATTGTACTTTTTTATTAGATCGGAAGAGCGGTTCAG
chr15	91295187	91295226	BLM_7350	+	GTGACCTATGCACCAGACGTTAAATAATTAGCATTATTATTTGTTTCTGGGATACTTTAAAGATCGGAAGAGCGGTTCAG
chr15	91298179	91298218	BLM_7351	+	GTGACCTATGCACCAGACGTTATTTTAGACATACCATGTATTTCAACTACTTACTTTTGAAGATCGGAAGAGCGGTTCAG
chr15	91303520	91303559	BLM_7352	+	GTGACCTATGCACCAGACGTTTTCCCCCTTCTGGAATATATCTGATTATATTTCTACCACAGATCGGAAGAGCGGTTCAG
chr15	91304496	91304535	BLM_7353	+	GTGACCTATGCACCAGACGTAATAAATTGAATGCTTATATGAAAACAAAACTGTCCCAAAAGATCGGAAGAGCGGTTCAG
chr15	91306398	91306437	BLM_7354	+	GTGACCTATGCACCAGACGTTTAGAAGTGAATTGGCAGGAATCCATTGGCAGATGTTAAAAGATCGGAAGAGCGGTTCAG
chr15	91308655	91308694	BLM_7355	+	GTGACCTATGCACCAGACGTAAAATACTAATAAAAACACGCCTTAGAAACAATTAAATTTAGATCGGAAGAGCGGTTCAG
chr15	91312472	91312511	BLM_7356	+	GTGACCTATGCACCAGACGTTTTTTTATATCCGGAAATACCGATAAATACATACTACCAAAGATCGGAAGAGCGGTTCAG
chr15	91312827	91312866	BLM_7357	+	GTGACCTATGCACCAGACGTGCACGTCACGTATTTGAGAACCCTGGGGCAGTGACTGCCAAGATCGGAAGAGCGGTTCAG
chr15	91326169	91326208	BLM_7358	+	GTGACCTATGCACCAGACGTCCATGTGATTAGCTGTCTAGAAGTAACAAATGTCTTTTTAAGATCGGAAGAGCGGTTCAG
chr15	91328322	91328361	BLM_7359	+	GTGACCTATGCACCAGACGTTAAAGATAAACAAATAATAGAAATAATCTTTTATAGCATAAGATCGGAAGAGCGGTTCAG
chr15	91334085	91334124	BLM_7360	+	GTGACCTATGCACCAGACGTCTCCATTGTAGAGACATTCTGTCATCTTCAGCCTCATGATAGATCGGAAGAGCGGTTCAG
chr15	91341578	91341617	BLM_7361	+	GTGACCTATGCACCAGACGTTGTTTTGAATGTTTGAGTTACTTCAATTGAAATTGAACATAGATCGGAAGAGCGGTTCAG
chr15	91346961	91347000	BLM_7362	+	GTGACCTATGCACCAGACGTTTTCATGTTTATTTTATTATCTCACAATGAGTGAACCAAAAGATCGGAAGAGCGGTTCAG
chr15	91347600	91347639	BLM_7363	+	GTGACCTATGCACCAGACGTATGTATCCTTTGTTACGTGGCACAGATTAATAGGCCGAAAAGATCGGAAGAGCGGTTCAG
chr15	91352500	91352539	BLM_7364	+	GTGACCTATGCACCAGACGTAGCCATGTGTGTTCTCTAAAAGCCTGTTTAATGTGAAGCGAGATCGGAAGAGCGGTTCAG
chr15	91354647	91354686	BLM_7365	+	GTGACCTATGCACCAGACGTTGACATCTTTTTCAATATAGGGAACAAGGGAAGAAAGGACAGATCGGAAGAGCGGTTCAG
chr15	91358520	91358559	BLM_7366	+	GTGACCTATGCACCAGACGTTCAATGTACATAGACCCTCTTTCTTGTTTGTCAGCATCTGAGATCGGAAGAGCGGTTCAG

chr15	91292957	91292996	BLM_7367	+	GTGACCTATGCACCAGACGTTTGGGATGATATGGATGACTTTGATACTTCTGAGACTTCAAGATCGGAAGAGCGGTTCAG
chr15	91304165	91304204	BLM_7368	+	GTGACCTATGCACCAGACGTCAGGAAATGTTCTCACAAGCACTGCTGTGAAAGATCAGAAAGATCGGAAGAGCGGTTCAG
chr11	119103416	119103455	CBL_7369	+	GTGACCTATGCACCAGACGTAATACTACACAAATAATTATGCAGGTCTGTGACTGCCTGAAGATCGGAAGAGCGGTTCAG
chr11	119142602	119142641	CBL_7370	+	GTGACCTATGCACCAGACGTGAATAATGAATTTGAACTATGAAAAACTAAAGCTTACGAGAGATCGGAAGAGCGGTTCAG
chr11	119144745	119144784	CBL_7371	+	GTGACCTATGCACCAGACGTAAAAAAGTTGACTAAACTGGTTACTGCTACTTCGGTGAAGAGATCGGAAGAGCGGTTCAG
chr11	119145674	119145713	CBL_7372	+	GTGACCTATGCACCAGACGTTGACGCAAAGAGATTTATTCTTCTGAATTTCGTTATCTTGAGATCGGAAGAGCGGTTCAG
chr11	119146855	119146894	CBL_7373	+	GTGACCTATGCACCAGACGTACTGCATACCATCTGTTAGAGTCTGGGAACTTAGGGGCTGAGATCGGAAGAGCGGTTCAG
chr11	119148565	119148604	CBL_7374	+	GTGACCTATGCACCAGACGTTTTCACATGATAACCATATCACTGGACACAAGCTTTAGTAAGATCGGAAGAGCGGTTCAG
chr11	119149018	119149057	CBL_7375	+	GTGACCTATGCACCAGACGTAAACAGCGACTTTTTTCAGCTATGTAATAACCTTGGAAAAAGATCGGAAGAGCGGTTCAG
chr11	119149434	119149473	CBL_7376	+	GTGACCTATGCACCAGACGTAGTTTAGGAGACTGGCAAAATCCATTGTGAGTTGTCTTCTAGATCGGAAGAGCGGTTCAG
chr11	119155821	119155860	CBL_7377	+	GTGACCTATGCACCAGACGTTTCCATTACTGCAGTTTTTGGATTCTTTGCTGTGTACTAGAGATCGGAAGAGCGGTTCAG
chr11	119158667	119158706	CBL_7378	+	GTGACCTATGCACCAGACGTTAAAGCTATATTTTGTACAGTGGAGTTGTTACTTGTAAAAAGATCGGAAGAGCGGTTCAG
chr11	119167755	119167794	CBL_7379	+	GTGACCTATGCACCAGACGTAACAACCCTTTTTGGGCCCTATACCTTTATGTGGGTAATTAGATCGGAAGAGCGGTTCAG
chr11	119168202	119168241	CBL_7380	+	GTGACCTATGCACCAGACGTATTCTGCTACTTTAAAAATCATTGATATGTCATAGGAATGAGATCGGAAGAGCGGTTCAG
chr11	119169261	119169300	CBL_7381	+	GTGACCTATGCACCAGACGTAGACTACTTTGGGTTTGTCCTGAATGGCAGTGTGGCCTGTAGATCGGAAGAGCGGTTCAG
chr11	119170502	119170541	CBL_7382	+	GTGACCTATGCACCAGACGTCCCTGCTGCAGGTTTAGAGGACCAGTGAGTTGGGAGTTATAGATCGGAAGAGCGGTTCAG
chr17	48263020	48263059	COL1A1_7383	+	GTGACCTATGCACCAGACGTGCGGAGACAACGGGAGGGGGCATTACCACGTGGGAGTGATAGATCGGAAGAGCGGTTCAG
chr17	48263392	48263431	COL1A1_7384	+	GTGACCTATGCACCAGACGTGGGGAGAGAGGGAAGAGTGAGCCGCTATGCGGGAACCTCTAGATCGGAAGAGCGGTTCAG
chr17	48263879	48263918	COL1A1_7385	+	GTGACCTATGCACCAGACGTGCAGGGCAAGATGGAGTCAGGGAAAGGGAGCAGCCAGCACAGATCGGAAGAGCGGTTCAG
chr17	48264294	48264333	COL1A1_7386	+	GTGACCTATGCACCAGACGTAGGGAAGAGAGTGGGGATTACCGGCATCCAAGTGCTTTGGAGATCGGAAGAGCGGTTCAG
chr17	48264494	48264533	COL1A1_7387	+	GTGACCTATGCACCAGACGTGGAAATGGTTTGAGAAAGGCTGCCAGAAGCCCGAACAACCAGATCGGAAGAGCGGTTCAG
chr17	48264909	48264948	COL1A1_7388	+	GTGACCTATGCACCAGACGTGATAAAAAAGGCAGTTCAGGCCCAGTGAGCGTCAAATGTAAGATCGGAAGAGCGGTTCAG
chr17	48265355	48265394	COL1A1_7389	+	GTGACCTATGCACCAGACGTGAAAGGGACAAACTGTCAGGCGGAAGTTCCATTGGCATCGAGATCGGAAGAGCGGTTCAG
chr17	48265521	48265560	COL1A1_7390	+	GTGACCTATGCACCAGACGTCAAGGAAAGCATGAGCTCTTGGCCAGGGAAGGCTGAGGCTAGATCGGAAGAGCGGTTCAG
chr17	48266009	48266048	COL1A1_7391	+	GTGACCTATGCACCAGACGTGAGCAGGGGAATATGGGTCAGCCCCGGGTGAAGGGCCAGGAGATCGGAAGAGCGGTTCAG
chr17	48266167	48266206	COL1A1_7392	+	GTGACCTATGCACCAGACGTAGAGAGAGAGAAGTGAGAGTCAGCCGGGGAAGAGGGCTTAAGATCGGAAGAGCGGTTCAG
chr17	48266382	48266421	COL1A1_7393	+	GTGACCTATGCACCAGACGTAGAAAGAGTCAGGCCAGAGATAGGGTCTGGGAGGACCCTTAGATCGGAAGAGCGGTTCAG
chr17	48266647	48266686	COL1A1_7394	+	GTGACCTATGCACCAGACGTCAAACAGGGGTGAGGTGCCAGAGAGCAGCACAGGGACCCCAGATCGGAAGAGCGGTTCAG
chr17	48266910	48266949	COL1A1_7395	+	GTGACCTATGCACCAGACGTATAGGAGGGGCTGTCAGACTCCAGGGGGCTCTGGTGCATCAGATCGGAAGAGCGGTTCAG
chr17	48267104	48267143	COL1A1_7396	+	GTGACCTATGCACCAGACGTAGAACATAGGAACAGTCAGAGGGAGAACAGCCAACTCATCAGATCGGAAGAGCGGTTCAG
chr17	48267284	48267323	COL1A1_7397	+	GTGACCTATGCACCAGACGTGCACAGAGGCATCAAGCCTGGACCCGTCCTGGGTCCCAGCAGATCGGAAGAGCGGTTCAG
chr17	48267480	48267519	COL1A1_7398	+	GTGACCTATGCACCAGACGTAAGCAGGGCGGTGAATGGAGGGAAGGAGGCAGGAGTTTCCAGATCGGAAGAGCGGTTCAG
chr17	48267752	48267791	COL1A1_7399	+	GTGACCTATGCACCAGACGTAGGAGTCAGATTGGAGAGATGCGCTGACAGGAGGGAAGGCAGATCGGAAGAGCGGTTCAG
chr17	48267968	48268007	COL1A1_7400	+	GTGACCTATGCACCAGACGTGGGACAAGAGGCTCAGGGTCAGGGCCTCCCCTGAATACTCAGATCGGAAGAGCGGTTCAG
chr17	48268296	48268335	COL1A1_7401	+	GTGACCTATGCACCAGACGTGGATAAGCTTGAGATTTCCAGTGTGGGGCAAGGAGGTGACAGATCGGAAGAGCGGTTCAG
chr17	48268862	48268901	COL1A1_7402	+	GTGACCTATGCACCAGACGTACCAAGAAGACTGGAGTGAGGCCTGGGGCCCCAAGAGTGGAGATCGGAAGAGCGGTTCAG
chr17	48269258	48269297	COL1A1_7403	+	GTGACCTATGCACCAGACGTAGGACAGGGCATGTGAAGGCTGCTCTGGAGATAGGGCCAAAGATCGGAAGAGCGGTTCAG
chr17	48269396	48269435	COL1A1_7404	+	GTGACCTATGCACCAGACGTGGGAGAGAGGAACAGACAGTGAGCAAAACCCACCTGGGGCAGATCGGAAGAGCGGTTCAG
chr17	48269900	48269939	COL1A1_7405	+	GTGACCTATGCACCAGACGTGAAATGGGGGAAGAAGGGAGGGAAGGTTTAGAATCTGGAAAGATCGGAAGAGCGGTTCAG
chr17	48270065	48270104	COL1A1_7406	+	GTGACCTATGCACCAGACGTAGAACACTACAGTCACGGGGAGGCCGAGGAGACGAGGGGCAGATCGGAAGAGCGGTTCAG
chr17	48270222	48270261	COL1A1_7407	+	GTGACCTATGCACCAGACGTAGAGCAAAGGGGAACTCAGGGTTAGGAGGCCCCGAGCAGCAGATCGGAAGAGCGGTTCAG
chr17	48270419	48270458	COL1A1_7408	+	GTGACCTATGCACCAGACGTAGGGAGTTAGGGTTGAGGGGGCTGAAGTGAGAAGCCAGGGAGATCGGAAGAGCGGTTCAG
chr17	48271413	48271452	COL1A1_7409	+	GTGACCTATGCACCAGACGTGAGGCACGAAAGCAGCAGTGAGGACAGCAGGGAGGCAGACAGATCGGAAGAGCGGTTCAG
chr17	48271555	48271594	COL1A1_7410	+	GTGACCTATGCACCAGACGTAGAGAGGTATGAGTGGGACTTGGGGAGAAGCATGATGGAGAGATCGGAAGAGCGGTTCAG
chr17	48271819	48271858	COL1A1_7411	+	GTGACCTATGCACCAGACGTGAAGTCACAGGAACAGTTAGGGTCTCAAGTTTGTGGCTCTAGATCGGAAGAGCGGTTCAG
chr17	48271998	48272037	COL1A1_7412	+	GTGACCTATGCACCAGACGTAGAGGAGGCCAGTGAACTCCGCGACACACAGGCACCAGCCAGATCGGAAGAGCGGTTCAG
chr17	48272200	48272239	COL1A1_7413	+	GTGACCTATGCACCAGACGTCCGAGAGGAGGAGGCGGCCTGTGGTGAGGGGCCATCCTGTAGATCGGAAGAGCGGTTCAG
chr17	48272472	48272511	COL1A1_7414	+	GTGACCTATGCACCAGACGTGGAGAAGAGGATGAGCTGAGAGTCGGGGGCGCTCAGTTGGAGATCGGAAGAGCGGTTCAG
chr17	48272702	48272741	COL1A1_7415	+	GTGACCTATGCACCAGACGTCAGACAGCCAGGGCGTGAGCCTAGGAGCAGAGGGAAAGGGAGATCGGAAGAGCGGTTCAG
chr17	48272850	48272889	COL1A1_7416	+	GTGACCTATGCACCAGACGTGAGAAAGGAGTGTCAGCAACAGGCAAGGACTCTGAGGTTAAGATCGGAAGAGCGGTTCAG
chr17	48273037	48273076	COL1A1_7417	+	GTGACCTATGCACCAGACGTAGAAAGGACATATCAGAAGCCACCCTGGGAAACCCAACCTAGATCGGAAGAGCGGTTCAG
chr17	48273348	48273387	COL1A1_7418	+	GTGACCTATGCACCAGACGTAATGGAGATGTCAGCGAGAAGGAAGAGATGGCAGCTGCAAAGATCGGAAGAGCGGTTCAG
chr17	48273571	48273610	COL1A1_7419	+	GTGACCTATGCACCAGACGTGAGGGGAAGCCCCGTTAAGTCCACTGAGCACTGGCCAGTCAGATCGGAAGAGCGGTTCAG
chr17	48273739	48273778	COL1A1_7420	+	GTGACCTATGCACCAGACGTAACCAAGAGAAGTCAGATGAGATGGGAGACAGCCTTGTTCAGATCGGAAGAGCGGTTCAG
chr17	48273900	48273939	COL1A1_7421	+	GTGACCTATGCACCAGACGTGAGAATAATGAGTGAGAAATTCATTCATGGTGGGACTCTGAGATCGGAAGAGCGGTTCAG
chr17	48274042	48274081	COL1A1_7422	+	GTGACCTATGCACCAGACGTAAAGAGGTAGAAGGTAAGAACCTGTGGAGGGGGTGGAACAAGATCGGAAGAGCGGTTCAG
chr17	48274435	48274474	COL1A1_7423	+	GTGACCTATGCACCAGACGTATGAAGAAGACAAGGAAGGGCCATTAGAACACATCACTGTAGATCGGAAGAGCGGTTCAG
chr17	48274605	48274644	COL1A1_7424	+	GTGACCTATGCACCAGACGTGAGAAAAGACCATCATGCCTCTGCCTCCCCACCACCGCCTAGATCGGAAGAGCGGTTCAG

chr17	48275157	48275196	COL1A1_7425	+	GTGACCTATGCACCAGACGTTAGAAGAGGTGGTTAGAATATGGATAAGAAAAAAAGAAGGAGATCGGAAGAGCGGTTCAG
chr17	48275374	48275413	COL1A1_7426	+	GTGACCTATGCACCAGACGTAGGAAAAAGATGGGTTAGAAGACAAGTCCCTGTCAACCTTAGATCGGAAGAGCGGTTCAG
chr17	48275577	48275616	COL1A1_7427	+	GTGACCTATGCACCAGACGTAGAAGAAAGGGGGGTCATGGTGATCCCTCTGTAGGAAAGCAGATCGGAAGAGCGGTTCAG
chr17	48275876	48275915	COL1A1_7428	+	GTGACCTATGCACCAGACGTCAAGAGAAGTCAGAGTGAGGACAGTGAATTGAAAGGCAGAAGATCGGAAGAGCGGTTCAG
chr17	48276699	48276738	COL1A1_7429	+	GTGACCTATGCACCAGACGTAGAGGGCGGGGCCGGGGTGAGCGTGGGGCCGAGAGCCATGAGATCGGAAGAGCGGTTCAG
chr17	48276825	48276864	COL1A1_7430	+	GTGACCTATGCACCAGACGTGGGGGAGAAGAAACAAGAGGCCAGGTTAGAGAAGGGAGGAAGATCGGAAGAGCGGTTCAG
chr17	48276962	48277001	COL1A1_7431	+	GTGACCTATGCACCAGACGTAAGAGACGCGCGTTAGAGCCAAGGTTTGCTAATGCTGCTCAGATCGGAAGAGCGGTTCAG
chr17	48277319	48277358	COL1A1_7432	+	GTGACCTATGCACCAGACGTCGGAAGAGGGGCGTTGTCAGTAGTGACTGCAACCCCCAGCAGATCGGAAGAGCGGTTCAG
chr17	48278885	48278924	COL1A1_7433	+	GTGACCTATGCACCAGACGTTAGACATGTAGACTCTTTGTGGCTGGGGAGGGGGTTAGCGAGATCGGAAGAGCGGTTCAG
chr3	168802842	168802881	MECOM_7434	+	GTGACCTATGCACCAGACGTAAGGAGAGAGACTCAGTAAATGGCATTTGAAAAACATCACAGATCGGAAGAGCGGTTCAG
chr3	168806982	168807021	MECOM_7435	+	GTGACCTATGCACCAGACGTCCAACGAAAAACACAGAAATTTTCTTTTCATTTGTTATCTAGATCGGAAGAGCGGTTCAG
chr3	168808035	168808074	MECOM_7436	+	GTGACCTATGCACCAGACGTCATTAAAAAAAAAGTCCAATTGTTGGTTTCATTTTTAAAAAGATCGGAAGAGCGGTTCAG
chr3	168810901	168810940	MECOM_7437	+	GTGACCTATGCACCAGACGTCAGAAAGCCTTTTATGACAAAGATTATTGTTTATCTAGCAAGATCGGAAGAGCGGTTCAG
chr3	168813044	168813083	MECOM_7438	+	GTGACCTATGCACCAGACGTAACAAAGAGAAAATATTAGCAAGCACATTAAAAGGTATTTAGATCGGAAGAGCGGTTCAG
chr3	168818761	168818800	MECOM_7439	+	GTGACCTATGCACCAGACGTAAGATGTTTATAAGAGAAAGTCAGCACAGTTGACTATATTAGATCGGAAGAGCGGTTCAG
chr3	168820025	168820064	MECOM_7440	+	GTGACCTATGCACCAGACGTAAAGCACAAGACCATGAAGCGTTTGGCATCTTGTCTTCTAAGATCGGAAGAGCGGTTCAG
chr3	168825751	168825790	MECOM_7441	+	GTGACCTATGCACCAGACGTAATTGAAACAAAAACAAAAAATTACTTCTGTGTTGGTATCAGATCGGAAGAGCGGTTCAG
chr3	168830673	168830712	MECOM_7442	+	GTGACCTATGCACCAGACGTAAAATTAGATTTTGGAGATGAAGCAGTCTCACATATCAATAGATCGGAAGAGCGGTTCAG
chr3	168834538	168834577	MECOM_7443	+	GTGACCTATGCACCAGACGTACAACAAAAAAGAATCTCAGGCTTTATGTCAATTGCTTCTAGATCGGAAGAGCGGTTCAG
chr3	168839008	168839047	MECOM_7444	+	GTGACCTATGCACCAGACGTATGAGTACTGATTAATCAAGAAACTTAACTCAAGGGCACAAGATCGGAAGAGCGGTTCAG
chr3	168840526	168840565	MECOM_7445	+	GTGACCTATGCACCAGACGTAACAATAGATTTTAAAAGACAAAGGATGCATTCATAAACGAGATCGGAAGAGCGGTTCAG
chr3	168845859	168845898	MECOM_7446	+	GTGACCTATGCACCAGACGTAATTCAGGTGTTAGGATTGGGTGGTCAGGAATTGCCATCAAGATCGGAAGAGCGGTTCAG
chr3	168849276	168849315	MECOM_7447	+	GTGACCTATGCACCAGACGTAGCTCCTCTCCCGGCGCAATGTCTGCAACTACTCTATAGAAGATCGGAAGAGCGGTTCAG
chr3	168833633	168833672	MECOM_7448	+	GTGACCTATGCACCAGACGTGTTGAACCAAAGTATTTTTCAGCAATAGAAGCAATAGCCTAGATCGGAAGAGCGGTTCAG
chr3	168834085	168834124	MECOM_7449	+	GTGACCTATGCACCAGACGTTTGACTTTTGTTTGTCTGTTCAGTACTTGATAGTCCTTTAAGATCGGAAGAGCGGTTCAG
chr17	11924329	11924368	MAP2K4_7450	+	GTGACCTATGCACCAGACGTCGGCCGCGCCGAGATCCCAGCCCCCTAGCGCGGCAACCCGAGATCGGAAGAGCGGTTCAG
chr17	11958319	11958358	MAP2K4_7451	+	GTGACCTATGCACCAGACGTTTGGTAATCAAAGGCTCAACTCAAGCAAAGATTTTAAAGTAGATCGGAAGAGCGGTTCAG
chr17	11984858	11984897	MAP2K4_7452	+	GTGACCTATGCACCAGACGTCCATGATTATTTTTGGTACTTTAATCCATTAGGTGAAATTAGATCGGAAGAGCGGTTCAG
chr17	11999022	11999061	MAP2K4_7453	+	GTGACCTATGCACCAGACGTACTGGGTTTTAGCTGACTAATGAATATCTAATTGGGACAAAGATCGGAAGAGCGGTTCAG
chr17	12011237	12011276	MAP2K4_7454	+	GTGACCTATGCACCAGACGTGGTCTTTAAATTATTCATTGTGTATATAGTTATATAGAGAAGATCGGAAGAGCGGTTCAG
chr17	12013754	12013793	MAP2K4_7455	+	GTGACCTATGCACCAGACGTATTGGTATTTTTTGTAATAGAAATTAACTTTTTTCTCCTAAGATCGGAAGAGCGGTTCAG
chr17	12016688	12016727	MAP2K4_7456	+	GTGACCTATGCACCAGACGTAGTCCAGGCCTTCTTGCTTGATAGTCATTGCACAGAGAGCAGATCGGAAGAGCGGTTCAG
chr17	12028699	12028738	MAP2K4_7457	+	GTGACCTATGCACCAGACGTGCTGATTCAACCTTGCCACAGTAGCGTAACAATAAGAAATAGATCGGAAGAGCGGTTCAG
chr17	12032615	12032654	MAP2K4_7458	+	GTGACCTATGCACCAGACGTGATTTATGAATGGTCGAACACGCATGGCGAGAATAGTGAGAGATCGGAAGAGCGGTTCAG
chr17	12043212	12043251	MAP2K4_7459	+	GTGACCTATGCACCAGACGTGACTGTGGGGATTGTAGGTACATCCTAACCCCGGAACTCTAGATCGGAAGAGCGGTTCAG
chr17	12044588	12044627	MAP2K4_7460	+	GTGACCTATGCACCAGACGTACATCAGACTCTAGAAAAAAGGGCTGAGAGGAAGCAAGACAGATCGGAAGAGCGGTTCAG
chr22	39621863	39621902	PDGFB_7461	+	GTGACCTATGCACCAGACGTAAAAGAAAGACCTCGTCAGCATGTGGACCATTGGGGAGGTAGATCGGAAGAGCGGTTCAG
chr22	39626244	39626283	PDGFB_7462	+	GTGACCTATGCACCAGACGTGAGCCACAAAATGCCTCTGTAGAGACCACACAGCCAGGAGAGATCGGAAGAGCGGTTCAG
chr22	39627843	39627882	PDGFB_7463	+	GTGACCTATGCACCAGACGTACGAAACCTGGGTCAGGAGCGTAGGCCTGTCCAGAGTCCCAGATCGGAAGAGCGGTTCAG
chr22	39629540	39629579	PDGFB_7464	+	GTGACCTATGCACCAGACGTAGTCACAGTCAGACACCAGGCGGCCCCACCTTGGGCAGGGAGATCGGAAGAGCGGTTCAG
chr22	39631890	39631929	PDGFB_7465	+	GTGACCTATGCACCAGACGTGACACCAAAAGGCTGAGTGAGCTGGGAGTGGGGGCTTTCCAGATCGGAAGAGCGGTTCAG
chr3	30648480	30648519	TGFBR2_7466	+	GTGACCTATGCACCAGACGTCCCAGCCCGGGCTCGGCGGGGCGCCGGGGGTCTTCCTGGGAGATCGGAAGAGCGGTTCAG
chr3	30664776	30664815	TGFBR2_7467	+	GTGACCTATGCACCAGACGTATTAATTAATCTTTTCATCATTTTTCTATTTTTAGTCATGAGATCGGAAGAGCGGTTCAG
chr3	30686418	30686457	TGFBR2_7468	+	GTGACCTATGCACCAGACGTCTTTTAAGAAGTTATTCTTTCTTTTCCCCTTTTTACATAAAGATCGGAAGAGCGGTTCAG
chr3	30691963	30692002	TGFBR2_7469	+	GTGACCTATGCACCAGACGTTTCTCTTAAGGGTGTGGGACCTGAGATCTGTGCCAATTTTAGATCGGAAGAGCGGTTCAG
chr3	30713940	30713979	TGFBR2_7470	+	GTGACCTATGCACCAGACGTGCTAGTGCTAGATCCCCTTTACCTTGAGCCTGGCCTCACCAGATCGGAAGAGCGGTTCAG
chr3	30715749	30715788	TGFBR2_7471	+	GTGACCTATGCACCAGACGTACCAGCATCATTGTGTAGTGGTAAACTTGTCTTCAAAATAAGATCGGAAGAGCGGTTCAG
chr3	30730014	30730053	TGFBR2_7472	+	GTGACCTATGCACCAGACGTAGTGTTTACAAAGGTCAGTAAGATTCAACCAAGTTGCCTCAGATCGGAAGAGCGGTTCAG
chr3	30733102	30733141	TGFBR2_7473	+	GTGACCTATGCACCAGACGTGCAGGCTGGGCCATGTCCAAAGAGGCTGCCCCTCTCACCAAGATCGGAAGAGCGGTTCAG
chr3	30713540	30713579	TGFBR2_7474	+	GTGACCTATGCACCAGACGTACAGAGAAGGACATCTTCTCAGACATCAATCTGAAGCATGAGATCGGAAGAGCGGTTCAG
chr7	98479658	98479697	TRRAP_7475	+	GTGACCTATGCACCAGACGTTATATTTTCTATTTTTCATTTTGAGGTAAATATTCTTATTAGATCGGAAGAGCGGTTCAG
chr7	98488079	98488118	TRRAP_7476	+	GTGACCTATGCACCAGACGTAAAATAACATGAGAAGACAAGGGTGCTGTGGGATTGTGACAGATCGGAAGAGCGGTTCAG
chr7	98490162	98490201	TRRAP_7477	+	GTGACCTATGCACCAGACGTAGAATTAATTCTTGTCGTATAGCCGTATGTAAAACTTTCAAGATCGGAAGAGCGGTTCAG
chr7	98491515	98491554	TRRAP_7478	+	GTGACCTATGCACCAGACGTTAAAATCCTTATAGCATTTATAAAGTGTGTCAACATGTTCAGATCGGAAGAGCGGTTCAG
chr7	98493454	98493493	TRRAP_7479	+	GTGACCTATGCACCAGACGTACTTTGGTTTTAATTAGTTACATTTGTTTATACTTCCTTAAGATCGGAAGAGCGGTTCAG
chr7	98495500	98495539	TRRAP_7480	+	GTGACCTATGCACCAGACGTCGCTGAGTTATTTCTACCCGTGGCTCCTGTAGTTTCGGATAGATCGGAAGAGCGGTTCAG
chr7	98497133	98497172	TRRAP_7481	+	GTGACCTATGCACCAGACGTTGCTCATTAGTCTCTTGGGTTTTGGGCTTCTTATAAGAAAAGATCGGAAGAGCGGTTCAG
chr7	98497401	98497440	TRRAP_7482	+	GTGACCTATGCACCAGACGTACTGTAGCCGGCTGCCACAGTGCCTGGATTCCAAGTAAAAGATCGGAAGAGCGGTTCAG

chr7	98501151	98501190	TRRAP_7483	+	GTGACCTATGCACCAGACGTCCTGTCTTGTCTTGAATGCTGATGCTAGTCCTGTGGCCATAGATCGGAAGAGCGGTTCAG
chr7	98503889	98503928	TRRAP_7484	+	GTGACCTATGCACCAGACGTAAACCAGTGATATCTGGTTGGTTAAATGCCAGGAGCATCAAGATCGGAAGAGCGGTTCAG
chr7	98506596	98506635	TRRAP_7485	+	GTGACCTATGCACCAGACGTTTCTGAGAGTATCATCCATCCTGCACTCTATCCTGTTTGTAGATCGGAAGAGCGGTTCAG
chr7	98508053	98508092	TRRAP_7486	+	GTGACCTATGCACCAGACGTTCTTCAGTTATGTAGACAAACAATAGTTTTCATAAAGTGAAGATCGGAAGAGCGGTTCAG
chr7	98508241	98508280	TRRAP_7487	+	GTGACCTATGCACCAGACGTGCCCTCCAGCCAGGCTTTCGCATATGGAAAGTACCTCTTAAGATCGGAAGAGCGGTTCAG
chr7	98508905	98508944	TRRAP_7488	+	GTGACCTATGCACCAGACGTCCTTTTTTTATGTTGTTTGAACATTACAATTCTTTGTTTAAGATCGGAAGAGCGGTTCAG
chr7	98513522	98513561	TRRAP_7489	+	GTGACCTATGCACCAGACGTTGACTTTGGTTGCCTTTTAGTCTTGTGTGTCATGTAGTCAAGATCGGAAGAGCGGTTCAG
chr7	98515313	98515352	TRRAP_7490	+	GTGACCTATGCACCAGACGTAGTGAGGTTGTTAGCTGGCTGCTTCCCTGGAAGCAGTGGGAGATCGGAAGAGCGGTTCAG
chr7	98519587	98519626	TRRAP_7491	+	GTGACCTATGCACCAGACGTTGACAATGTCGTTTCGTTTTAAGCCTTGTGAAGATACTATAGATCGGAAGAGCGGTTCAG
chr7	98522897	98522936	TRRAP_7492	+	GTGACCTATGCACCAGACGTCACTTCCTTCTGTGTGGTTGGGTGGATCCTGTTTTAGGAAAGATCGGAAGAGCGGTTCAG
chr7	98525000	98525039	TRRAP_7493	+	GTGACCTATGCACCAGACGTGGGCACGGTGGGGCACGGGATTGGTTCTTTGACTTTTATAAGATCGGAAGAGCGGTTCAG
chr7	98527840	98527879	TRRAP_7494	+	GTGACCTATGCACCAGACGTGTTGAGGAGTGTCTTCTGATTTGGAGGGTGTCTGTACCTGAGATCGGAAGAGCGGTTCAG
chr7	98528464	98528503	TRRAP_7495	+	GTGACCTATGCACCAGACGTGGTGGCCCCAAACCTAACCATGCTGTTTTTGAAATGGTGGAGATCGGAAGAGCGGTTCAG
chr7	98529299	98529338	TRRAP_7496	+	GTGACCTATGCACCAGACGTTGTCACCAGAACCAAGGTAATTTCAACAAAACTTTTGAGCAGATCGGAAGAGCGGTTCAG
chr7	98531036	98531075	TRRAP_7497	+	GTGACCTATGCACCAGACGTGGTGGTGCGGAGTGGTGTGGATGGTGATGACGTGTGTCTGAGATCGGAAGAGCGGTTCAG
chr7	98533309	98533348	TRRAP_7498	+	GTGACCTATGCACCAGACGTGAAAATCTACGGGGTATAAAAGTGAAAGGAGACTGACCACAGATCGGAAGAGCGGTTCAG
chr7	98540651	98540690	TRRAP_7499	+	GTGACCTATGCACCAGACGTTGTTTGTTTCTGGGAAGGGCACCAGCCGCCATGCTGGGTCAGATCGGAAGAGCGGTTCAG
chr7	98545974	98546013	TRRAP_7500	+	GTGACCTATGCACCAGACGTTACTGAAGGCTGCTTCTCGCTCTGCCACCCTCCGGTGCTTAGATCGGAAGAGCGGTTCAG
chr7	98546319	98546358	TRRAP_7501	+	GTGACCTATGCACCAGACGTTGAGCAGCTGGAGTCAGGGGTCCCTTCAAATGCTTGTGAGAGATCGGAAGAGCGGTTCAG
chr7	98547215	98547254	TRRAP_7502	+	GTGACCTATGCACCAGACGTTTCCTCCAGCCCCCAATGCCCAGGGGTTTAATCGAGACACAGATCGGAAGAGCGGTTCAG
chr7	98547475	98547514	TRRAP_7503	+	GTGACCTATGCACCAGACGTCCTCCCGCCCTGCCCCGCGGGACTGGCTCTGTCCCAAAAGAGATCGGAAGAGCGGTTCAG
chr7	98547896	98547935	TRRAP_7504	+	GTGACCTATGCACCAGACGTCTCTTATGCTGTAGAAGGGTATGGGTATTTGGTCTGGTTTAGATCGGAAGAGCGGTTCAG
chr7	98548638	98548677	TRRAP_7505	+	GTGACCTATGCACCAGACGTTATGTGTGTGGGTGTGAGAAGTAGCCTGGCATGTGGATGAAGATCGGAAGAGCGGTTCAG
chr7	98551067	98551106	TRRAP_7506	+	GTGACCTATGCACCAGACGTAGCCCCTCCTGTCCGCCGACATCAGCGTGAATCTCACATGAGATCGGAAGAGCGGTTCAG
chr7	98552938	98552977	TRRAP_7507	+	GTGACCTATGCACCAGACGTGGGACGGTGGGCTGCGGGGCGCGCGTCTTCAGGCATTCACAGATCGGAAGAGCGGTTCAG
chr7	98553938	98553977	TRRAP_7508	+	GTGACCTATGCACCAGACGTCAGCCTCAGGGGTGCCCCGATCGTCTTCCTTTGACTTCTCAGATCGGAAGAGCGGTTCAG
chr7	98554167	98554206	TRRAP_7509	+	GTGACCTATGCACCAGACGTGTGCCTCTGTATGGGTGCTGCGCATTCTGCTGGGAGTTGGAGATCGGAAGAGCGGTTCAG
chr7	98555725	98555764	TRRAP_7510	+	GTGACCTATGCACCAGACGTCAAGTGCCCTGCGTTAGGGCTTCTGCAGACCAGAGGCTACAGATCGGAAGAGCGGTTCAG
chr7	98557124	98557163	TRRAP_7511	+	GTGACCTATGCACCAGACGTGTGTCTGAAGGGCCAGGGCAGCGCCACCGAGGCCACTAGCAGATCGGAAGAGCGGTTCAG
chr7	98559108	98559147	TRRAP_7512	+	GTGACCTATGCACCAGACGTTTTCCCACCGGTGCTTTTCTTTCAAAGTGGACGGTGGGCGAGATCGGAAGAGCGGTTCAG
chr7	98560061	98560100	TRRAP_7513	+	GTGACCTATGCACCAGACGTGTCTGTCCTGGTGTTCGTGGTGGCTCAGTTTGGCCTCTTTAGATCGGAAGAGCGGTTCAG
chr7	98562409	98562448	TRRAP_7514	+	GTGACCTATGCACCAGACGTGGCCACCGGGGGCCTTTCCTCAGACTCTGTTGAACAGAGAAGATCGGAAGAGCGGTTCAG
chr7	98563529	98563568	TRRAP_7515	+	GTGACCTATGCACCAGACGTACGGTGTGCCATGTGATCTCCCTTTCAATAAAAGAAAATTAGATCGGAAGAGCGGTTCAG
chr7	98564796	98564835	TRRAP_7516	+	GTGACCTATGCACCAGACGTCAATTAATCAAGTACTACATATATTGGTCCTTAATGTGCTAGATCGGAAGAGCGGTTCAG
chr7	98565332	98565371	TRRAP_7517	+	GTGACCTATGCACCAGACGTTCGGCTCACATCTGTGGCCGGGGGCAGCTGTGGGTTTTCTAGATCGGAAGAGCGGTTCAG
chr7	98567925	98567964	TRRAP_7518	+	GTGACCTATGCACCAGACGTGCACCCCACAGGCAGAATCCCAGAGAGGAGGTGAGGCCCCAGATCGGAAGAGCGGTTCAG
chr7	98569579	98569618	TRRAP_7519	+	GTGACCTATGCACCAGACGTAGCTTGGAAAGGATTCGTTGCTTTCCTCCCATGGACAGTTAGATCGGAAGAGCGGTTCAG
chr7	98573902	98573941	TRRAP_7520	+	GTGACCTATGCACCAGACGTCTTTAAAATCCTGTTTTGGAAAATTGTAGTTTTAGCTTTTAGATCGGAAGAGCGGTTCAG
chr7	98574404	98574443	TRRAP_7521	+	GTGACCTATGCACCAGACGTGCCTCAGTTTGTTAATTACCTCTTCCCTGCCAGTGACTTCAGATCGGAAGAGCGGTTCAG
chr7	98574710	98574749	TRRAP_7522	+	GTGACCTATGCACCAGACGTGACCACTGACGGTCTTGGGTGTGTAATGAGAGGTCATTTAAGATCGGAAGAGCGGTTCAG
chr7	98575957	98575996	TRRAP_7523	+	GTGACCTATGCACCAGACGTCACAGTGCTTGACGTGTGCATGAATCAGTTAAGGGAACCAAGATCGGAAGAGCGGTTCAG
chr7	98576538	98576577	TRRAP_7524	+	GTGACCTATGCACCAGACGTCCGGGGGCATCCCTGCCGCTGCCTGGGTCCCTTTTCCTGAAGATCGGAAGAGCGGTTCAG
chr7	98579594	98579633	TRRAP_7525	+	GTGACCTATGCACCAGACGTTGCCCCCATGCGAGCACAGGCCTGTGGCCTGTCGCAGCCAAGATCGGAAGAGCGGTTCAG
chr7	98581992	98582031	TRRAP_7526	+	GTGACCTATGCACCAGACGTGACACTTGAAGAATGAGGCCAGGTGGAGATTGAGGCCAGGAGATCGGAAGAGCGGTTCAG
chr7	98582678	98582717	TRRAP_7527	+	GTGACCTATGCACCAGACGTTATATTGAAAGGATAAGAGAAAAAATGCATCAGATTATTTAGATCGGAAGAGCGGTTCAG
chr7	98586600	98586639	TRRAP_7528	+	GTGACCTATGCACCAGACGTAAAAACGAGCTTTGACCAGAGGCCATCTGTCACCTTCAGAAGATCGGAAGAGCGGTTCAG
chr7	98588253	98588292	TRRAP_7529	+	GTGACCTATGCACCAGACGTCAGGGTGGCCTTGTTCACGTGCACAAAACATTGTGTCTTCAGATCGGAAGAGCGGTTCAG
chr7	98589861	98589900	TRRAP_7530	+	GTGACCTATGCACCAGACGTGGTGGGGCCGGTAGGCCAGGCCGGGAAGGGCTCATTCCAGAGATCGGAAGAGCGGTTCAG
chr7	98591371	98591410	TRRAP_7531	+	GTGACCTATGCACCAGACGTCTGATCTTGCACATGGTGGCTCCTTGTAGAGGGGACGTGGAGATCGGAAGAGCGGTTCAG
chr7	98592482	98592521	TRRAP_7532	+	GTGACCTATGCACCAGACGTATTTTCCTTCCCTTCCATAGGGAGAATTGTGCACGCTGATAGATCGGAAGAGCGGTTCAG
chr7	98602049	98602088	TRRAP_7533	+	GTGACCTATGCACCAGACGTCAGCCTGGCAGGTGGAACTAACCCACGGCGCCCATGGACAAGATCGGAAGAGCGGTTCAG
chr7	98602982	98603021	TRRAP_7534	+	GTGACCTATGCACCAGACGTGAGCCACAGCTCGCTGGGTACACAGGCAGCTTCACAGGTGAGATCGGAAGAGCGGTTCAG
chr7	98606195	98606234	TRRAP_7535	+	GTGACCTATGCACCAGACGTGGCCGGGCCGGGGGCCGAGCTGCCGCCTGCAGCCCTCCTGAGATCGGAAGAGCGGTTCAG
chr7	98608889	98608928	TRRAP_7536	+	GTGACCTATGCACCAGACGTTTGAACAGCCAGATCCTCTCCTCGTGACATCGCCTTTCTGAGATCGGAAGAGCGGTTCAG
chr7	98609169	98609208	TRRAP_7537	+	GTGACCTATGCACCAGACGTACGTCGTCCTATCACAGGCGCAGGCTAGAGCCACTCAGATAGATCGGAAGAGCGGTTCAG
chr7	98609989	98610028	TRRAP_7538	+	GTGACCTATGCACCAGACGTCACGGCCACCCGGAATGTGAAGGGCGCTCCGGGCTCTGAGAGATCGGAAGAGCGGTTCAG
chr4	110834629	110834668	EGF_7539	+	GTGACCTATGCACCAGACGTCAATGAAAAGGTGCTCCAGGTCTCCGGGAAACTGCCCCCAAGATCGGAAGAGCGGTTCAG
chr4	110862312	110862351	EGF_7540	+	GTGACCTATGCACCAGACGTCTTACCTACAGTGTTTGAGCTGTTTTTGTACAGGCTGACAAGATCGGAAGAGCGGTTCAG

chr4	110864602	110864641	EGF_7541	+	GTGACCTATGCACCAGACGTCTGTATTCAGACATTGAAATATATTTACAAATCTAGTGAAAGATCGGAAGAGCGGTTCAG
chr4	110865236	110865275	EGF_7542	+	GTGACCTATGCACCAGACGTCTCTTGGTATAAAATAAAACAATTGTCATTTGAAGTCCACAGATCGGAAGAGCGGTTCAG
chr4	110866442	110866481	EGF_7543	+	GTGACCTATGCACCAGACGTGTTGACCTTGCGCAGGGCCTGACACATAGTTCCCACCCATAGATCGGAAGAGCGGTTCAG
chr4	110880604	110880643	EGF_7544	+	GTGACCTATGCACCAGACGTGAAGTACTGTGAAGGTAATGGAAGAGTCGCTGCTTGAGGGAGATCGGAAGAGCGGTTCAG
chr4	110882156	110882195	EGF_7545	+	GTGACCTATGCACCAGACGTGCAACAAGTATTTATTGCATTAGTTTTCTTCATTTTCAATAGATCGGAAGAGCGGTTCAG
chr4	110883152	110883191	EGF_7546	+	GTGACCTATGCACCAGACGTTTGCTTTATTTACCTTTTGTTTGTTTGAAAACATACATTTAGATCGGAAGAGCGGTTCAG
chr4	110884465	110884504	EGF_7547	+	GTGACCTATGCACCAGACGTTGGTTGTCTGGAACTGTGTCCCTGAAAAAAAATTCATGAAAGATCGGAAGAGCGGTTCAG
chr4	110885704	110885743	EGF_7548	+	GTGACCTATGCACCAGACGTGTTACTTGAACAGATGTGGACATGCTTTAAGGACAGAGTAAGATCGGAAGAGCGGTTCAG
chr4	110890286	110890325	EGF_7549	+	GTGACCTATGCACCAGACGTTGCTTCAGTTTTAAGCTGTGTGAGATGGGAGTGATGGGATAGATCGGAAGAGCGGTTCAG
chr4	110895974	110896013	EGF_7550	+	GTGACCTATGCACCAGACGTGTAAAAATAAGGCACTGCTCTGCAGAGGTCATGTGACAGTAGATCGGAAGAGCGGTTCAG
chr4	110897402	110897441	EGF_7551	+	GTGACCTATGCACCAGACGTGGGATGGGCGATTTTTTCATCTTGACTGAGTGTTTATGAGAGATCGGAAGAGCGGTTCAG
chr4	110901306	110901345	EGF_7552	+	GTGACCTATGCACCAGACGTGAGATGTTACACAGTCTTTCCTTGGCTGGAATCTGCAACTAGATCGGAAGAGCGGTTCAG
chr4	110902142	110902181	EGF_7553	+	GTGACCTATGCACCAGACGTAAATTATGTGGCAAATTACCTAACGTTGGCTCAGAAATACAGATCGGAAGAGCGGTTCAG
chr4	110904708	110904747	EGF_7554	+	GTGACCTATGCACCAGACGTCTAGTTCTCCAATATACCTTTGGTTCCAACAGTTTCCATCAGATCGGAAGAGCGGTTCAG
chr4	110909027	110909066	EGF_7555	+	GTGACCTATGCACCAGACGTAGGGCAAATTCACATATTTGGACAATACTGAACCAGAAACAGATCGGAAGAGCGGTTCAG
chr4	110909876	110909915	EGF_7556	+	GTGACCTATGCACCAGACGTACATGTGCTGGGGAGGAGGGCAGAGGCAGGCCTCAGAAATAGATCGGAAGAGCGGTTCAG
chr4	110914536	110914575	EGF_7557	+	GTGACCTATGCACCAGACGTGGGTGGTCTACAGTGAAGGGGAGGGACTTGGCTCGGGGATAGATCGGAAGAGCGGTTCAG
chr4	110916047	110916086	EGF_7558	+	GTGACCTATGCACCAGACGTCTGTCTTGCTGATGGCACAGAGAGATGCTATTCAGTCCATAGATCGGAAGAGCGGTTCAG
chr4	110921013	110921052	EGF_7559	+	GTGACCTATGCACCAGACGTCTTTCCTTTGGTACTGGAAACCTCTTTCTAAGACCTCCCAAGATCGGAAGAGCGGTTCAG
chr4	110925789	110925828	EGF_7560	+	GTGACCTATGCACCAGACGTCAAAGCAGATGAAGCAAGGAATTGGCTTGATATTAACCCCAGATCGGAAGAGCGGTTCAG
chr4	110929397	110929436	EGF_7561	+	GTGACCTATGCACCAGACGTATCCCTGGCTCCTGGTGAATGGTTATTTTTACTTAGATCCAGATCGGAAGAGCGGTTCAG
chr4	110932622	110932661	EGF_7562	+	GTGACCTATGCACCAGACGTTAAAAGGAAAGTCAAGAAGAATGAACTATGTCGATGCACAAGATCGGAAGAGCGGTTCAG
chr13	28578322	28578361	FLT3_7563	+	GTGACCTATGCACCAGACGTGAAAGAGACAGAACACTGATTACCATCTGATGTAGATGCAAGATCGGAAGAGCGGTTCAG
chr13	28588705	28588744	FLT3_7564	+	GTGACCTATGCACCAGACGTAATAGAACAAGGAACAAGATGAAGAAGTCTGAATGAAGCAAGATCGGAAGAGCGGTTCAG
chr13	28589404	28589443	FLT3_7565	+	GTGACCTATGCACCAGACGTCATTAGACAATTGCAGCCATTCATCCATTTCTTCATTTGTAGATCGGAAGAGCGGTTCAG
chr13	28589849	28589888	FLT3_7566	+	GTGACCTATGCACCAGACGTCCCAGAGGAGATAAGATGGTGAATTTTCCACATACAGACAAGATCGGAAGAGCGGTTCAG
chr13	28592737	28592776	FLT3_7567	+	GTGACCTATGCACCAGACGTTGACACCAGAGTGTTATTTACTGTGATGTGTATTATCCTGAGATCGGAAGAGCGGTTCAG
chr13	28597625	28597664	FLT3_7568	+	GTGACCTATGCACCAGACGTGAGCCAGTCTTCACTTTTGCCAAAACTCTAAGAAGTTGCCAGATCGGAAGAGCGGTTCAG
chr13	28599091	28599130	FLT3_7569	+	GTGACCTATGCACCAGACGTATTTTGTTTTTTCATTATTTACATTATTCTTCTCAGCAGAAGATCGGAAGAGCGGTTCAG
chr13	28601389	28601428	FLT3_7570	+	GTGACCTATGCACCAGACGTTACAGTTTCAATTATAGGCATACACAAAGCAAACTGTTATAGATCGGAAGAGCGGTTCAG
chr13	28602436	28602475	FLT3_7571	+	GTGACCTATGCACCAGACGTAAGGAGCATTAAAAATGTAAAACTCAAGTAAAATACGAATAGATCGGAAGAGCGGTTCAG
chr13	28608139	28608178	FLT3_7572	+	GTGACCTATGCACCAGACGTAAATGGTGAGTACGTGCATTTTAAAGATTTTCCAATGGAAAGATCGGAAGAGCGGTTCAG
chr13	28608362	28608401	FLT3_7573	+	GTGACCTATGCACCAGACGTGAAATGATGAGTCAGTTAGGAATAGGCAGTTCTGCAGATAAGATCGGAAGAGCGGTTCAG
chr13	28608555	28608594	FLT3_7574	+	GTGACCTATGCACCAGACGTAGAGTGTCACTCAGCGATGAAACAGAATTCCTGTGTGACAAGATCGGAAGAGCGGTTCAG
chr13	28609821	28609860	FLT3_7575	+	GTGACCTATGCACCAGACGTAAATAGCAAAGAATTTAGACAGGTGAGCTGTCATCAGATTAGATCGGAAGAGCGGTTCAG
chr13	28611436	28611475	FLT3_7576	+	GTGACCTATGCACCAGACGTAAGAATTAAAGACAGATTTAGCCCAATTGCTACAGGAGATAGATCGGAAGAGCGGTTCAG
chr13	28622591	28622630	FLT3_7577	+	GTGACCTATGCACCAGACGTAAATAGGCATTTATGAGTTAGTTAATAATATTCATAGGGAAGATCGGAAGAGCGGTTCAG
chr13	28623685	28623724	FLT3_7578	+	GTGACCTATGCACCAGACGTATAAAACAGAGTTTGCATTTAATGTTTTCAATCCAGACTAAGATCGGAAGAGCGGTTCAG
chr13	28623922	28623961	FLT3_7579	+	GTGACCTATGCACCAGACGTAAAACATCCCAAGTGAGAAAAAAAAAGTGATTTTTGCCTCAGATCGGAAGAGCGGTTCAG
chr13	28624370	28624409	FLT3_7580	+	GTGACCTATGCACCAGACGTAAAAGAAGTACCATTTGGCTAAACAAGTTTTAAAATTACAAGATCGGAAGAGCGGTTCAG
chr13	28626822	28626861	FLT3_7581	+	GTGACCTATGCACCAGACGTATAAGTTATTAACATTTTACTATTTTAAAAATAATTCTCTAGATCGGAAGAGCGGTTCAG
chr13	28631610	28631649	FLT3_7582	+	GTGACCTATGCACCAGACGTGGAAAGAGAACTAGTTATTTTGGAAAATGTGTGAAACTAAAGATCGGAAGAGCGGTTCAG
chr13	28636217	28636256	FLT3_7583	+	GTGACCTATGCACCAGACGTGATAGAACAAAGTGAATTCATGAAAACTGCAGGTCTAAGGAGATCGGAAGAGCGGTTCAG
chr13	28644760	28644799	FLT3_7584	+	GTGACCTATGCACCAGACGTAAATAAAAATGATAATGTTGATACATGCACACCTTAAAAAAGATCGGAAGAGCGGTTCAG
chr13	28674658	28674697	FLT3_7585	+	GTGACCTATGCACCAGACGTGCCCGGGGTCCCCAGGCCGCGCCGGCCCAGCCCTGCGATGAGATCGGAAGAGCGGTTCAG
chr17	73316645	73316684	GRB2_7586	+	GTGACCTATGCACCAGACGTGGAGCAGGAAAAACCCACATTGCATTCCTGGTCTGTGACTAGATCGGAAGAGCGGTTCAG
chr17	73317919	73317958	GRB2_7587	+	GTGACCTATGCACCAGACGTCAGAAAGCACATGTGACCGGCTAAAGGCTCTAACTTGGCAAGATCGGAAGAGCGGTTCAG
chr17	73322112	73322151	GRB2_7588	+	GTGACCTATGCACCAGACGTAAGGCAAGCTGGTCAACATCTGCTTCCCCACAAAGAAACGAGATCGGAAGAGCGGTTCAG
chr17	73328889	73328928	GRB2_7589	+	GTGACCTATGCACCAGACGTATAAGACAACAAAAAAACCCAATCATTTCCTTTTCCCTTTAGATCGGAAGAGCGGTTCAG
chr17	73389720	73389759	GRB2_7590	+	GTGACCTATGCACCAGACGTGCTCAGTGCTCAGCAGCCTGAAGCAGGGGGAAGGGAGTCTAGATCGGAAGAGCGGTTCAG
chr17	26084390	26084429	NOS2_7591	+	GTGACCTATGCACCAGACGTAAAACAGAGAGCAACGTGTCAAGTCCAGGCTGGGATGAGCAGATCGGAAGAGCGGTTCAG
chr17	26086112	26086151	NOS2_7592	+	GTGACCTATGCACCAGACGTAGGAAACAGTGGGTTCAGTCCTCAGCTGCTCAGGACAAGGAGATCGGAAGAGCGGTTCAG
chr17	26087215	26087254	NOS2_7593	+	GTGACCTATGCACCAGACGTCCCGGGCTGTTGTTACCATGTTGGCCACCAGAGGGCGCCAAGATCGGAAGAGCGGTTCAG
chr17	26087781	26087820	NOS2_7594	+	GTGACCTATGCACCAGACGTCAGGAGAAGAGGGGGCCAGTCCTCAGACACCCCAGGCCCAAGATCGGAAGAGCGGTTCAG
chr17	26088268	26088307	NOS2_7595	+	GTGACCTATGCACCAGACGTACCACAAAGTGACCAACGTCCCCCCACTGCCCATGCGCAAAGATCGGAAGAGCGGTTCAG
chr17	26090042	26090081	NOS2_7596	+	GTGACCTATGCACCAGACGTAGGGTGATGTCAGTGACTCAGGGCGCCTGTCCCGCTTTGGAGATCGGAAGAGCGGTTCAG
chr17	26091181	26091220	NOS2_7597	+	GTGACCTATGCACCAGACGTAAGGAAGGTGTCAGGATGGAAAAGAGGCCCCATTCAGGATAGATCGGAAGAGCGGTTCAG
chr17	26092753	26092792	NOS2_7598	+	GTGACCTATGCACCAGACGTAAAATGAAGCCTCAGGTGACATTGCAGGATTTCCTCCAGGAGATCGGAAGAGCGGTTCAG

chr17	26093625	26093664	NOS2_7599	+	GTGACCTATGCACCAGACGTCACAGAGACGGTGAAATGGCAAAGTGGTTCTTGAGCGTAGAGATCGGAAGAGCGGTTCAG
chr17	26094874	26094913	NOS2_7600	+	GTGACCTATGCACCAGACGTGTGGAGCAGACTGCGGTTAATGGTCAGCAGCAGCAGCATCAGATCGGAAGAGCGGTTCAG
chr17	26096188	26096227	NOS2_7601	+	GTGACCTATGCACCAGACGTACACACACAGAGACACATGTCCCATGCAAGCAGCACCTGGAGATCGGAAGAGCGGTTCAG
chr17	26096621	26096660	NOS2_7602	+	GTGACCTATGCACCAGACGTAGGGAATGACAGAGTTCTCAAGCCAGGATGAATAAAAACAAGATCGGAAGAGCGGTTCAG
chr17	26098054	26098093	NOS2_7603	+	GTGACCTATGCACCAGACGTCCCAAGTGGACATCAGCCCTCGGCTCCCAGTAGGGCCCTCAGATCGGAAGAGCGGTTCAG
chr17	26099489	26099528	NOS2_7604	+	GTGACCTATGCACCAGACGTAGACAGACAGGCAGGCGCTGTGTGCTGAGTCAGCCTTCCAAGATCGGAAGAGCGGTTCAG
chr17	26100280	26100319	NOS2_7605	+	GTGACCTATGCACCAGACGTGAAAGGAGATGTGAGGGCAGGGCGGGGTCCTGGCTTGGCTAGATCGGAAGAGCGGTTCAG
chr17	26101488	26101527	NOS2_7606	+	GTGACCTATGCACCAGACGTAGGCAAGATAGGGAGTGGAGATAAGGGTGGGGGAATCAGGAGATCGGAAGAGCGGTTCAG
chr17	26105828	26105867	NOS2_7607	+	GTGACCTATGCACCAGACGTAGAGTGATAGCGGCGAGTCGGTCCCTGAAGCCACCCCCAGAGATCGGAAGAGCGGTTCAG
chr17	26107943	26107982	NOS2_7608	+	GTGACCTATGCACCAGACGTAGACGGGCCCTGTGAGTCTGTAAGCCCGGGCTGCGTGTCTAGATCGGAAGAGCGGTTCAG
chr17	26108214	26108253	NOS2_7609	+	GTGACCTATGCACCAGACGTCAGGAACAGTACTGTTTACCACCTAGCCCTGGTGGGGGCCAGATCGGAAGAGCGGTTCAG
chr17	26109143	26109182	NOS2_7610	+	GTGACCTATGCACCAGACGTCCATCCAGACCATGCCCATCAAAGACTGGGTAGACAGAGGAGATCGGAAGAGCGGTTCAG
chr17	26110143	26110182	NOS2_7611	+	GTGACCTATGCACCAGACGTGGAAGACAGCAGGAAGATCAACAATGAGATGGCCTTACATAGATCGGAAGAGCGGTTCAG
chr17	26114863	26114902	NOS2_7612	+	GTGACCTATGCACCAGACGTAGAGGCAGGTGGTGAGGGTGGGCCATTCGGCCTCTTGCCAAGATCGGAAGAGCGGTTCAG
chr17	26115968	26116007	NOS2_7613	+	GTGACCTATGCACCAGACGTAAAAAACAGGGTTTTCTCTCAGGTCTCTCCTAGACCCCAGAGATCGGAAGAGCGGTTCAG
chr17	26125846	26125885	NOS2_7614	+	GTGACCTATGCACCAGACGTTTACAAAGCAGGTCACTTATGTCACTTATCTGGATTTGAGAGATCGGAAGAGCGGTTCAG
chr15	40453467	40453506	BUB1B_7615	+	GTGACCTATGCACCAGACGTGAGAAAGCTGCTGGGGGCTGGGCCTGAGAGGACACGGCCTAGATCGGAAGAGCGGTTCAG
chr15	40457408	40457447	BUB1B_7616	+	GTGACCTATGCACCAGACGTTGGCTGAGTCTCAACCTGTCGTCATTCATCCTAAATGTTGAGATCGGAAGAGCGGTTCAG
chr15	40462333	40462372	BUB1B_7617	+	GTGACCTATGCACCAGACGTTTATTTCACAAGGACAATAGAAACATTAACAGATAAGTCCAGATCGGAAGAGCGGTTCAG
chr15	40462893	40462932	BUB1B_7618	+	GTGACCTATGCACCAGACGTCTCAAGTGCCATCTGAGTTTTAAATATTAAACTAAGAGATAGATCGGAAGAGCGGTTCAG
chr15	40468885	40468924	BUB1B_7619	+	GTGACCTATGCACCAGACGTTTTGGAGCTTGTCTTAACTCTAAAAATAATAGAAATAAATAGATCGGAAGAGCGGTTCAG
chr15	40476095	40476134	BUB1B_7620	+	GTGACCTATGCACCAGACGTTAAACGTTATTTCGGAAAACTGTTAGTTTCTAGTGGTAAAAGATCGGAAGAGCGGTTCAG
chr15	40477591	40477630	BUB1B_7621	+	GTGACCTATGCACCAGACGTTTAGATCCAGTGCTTTGCTGACACAACAAAGACTTCACATAGATCGGAAGAGCGGTTCAG
chr15	40477854	40477893	BUB1B_7622	+	GTGACCTATGCACCAGACGTTTTTTGGATATTTTGAAGTGGGAATTATTAAGGGTGGGCAAGATCGGAAGAGCGGTTCAG
chr15	40488986	40489025	BUB1B_7623	+	GTGACCTATGCACCAGACGTTTCAAGTTTGTGAAGAGGACTTAACTTAGTTGTGTGAAGGAGATCGGAAGAGCGGTTCAG
chr15	40491939	40491978	BUB1B_7624	+	GTGACCTATGCACCAGACGTTTTTTTCATACACAAAACTAGAATTTATTGAAACAAATTTAGATCGGAAGAGCGGTTCAG
chr15	40492571	40492610	BUB1B_7625	+	GTGACCTATGCACCAGACGTATAGGTGGAAGGGACAATGCATATAGGAGGGCATTTAGAAAGATCGGAAGAGCGGTTCAG
chr15	40493192	40493231	BUB1B_7626	+	GTGACCTATGCACCAGACGTTTTGACAGCCTTGAGAAGAACTTGCTGATAACAAATGTATAGATCGGAAGAGCGGTTCAG
chr15	40494677	40494716	BUB1B_7627	+	GTGACCTATGCACCAGACGTTTTTTGTTTTTTTGGTTTTTTTTTACTTAAGAATTTTCTGAGATCGGAAGAGCGGTTCAG
chr15	40494906	40494945	BUB1B_7628	+	GTGACCTATGCACCAGACGTGTATCCTTAAGTTAATGTAAATGGGCTAGTGGATTGTTTAAGATCGGAAGAGCGGTTCAG
chr15	40498670	40498709	BUB1B_7629	+	GTGACCTATGCACCAGACGTATTTACAGGTTTTACAAACCAGATTGTTTACTCTCTTATTAGATCGGAAGAGCGGTTCAG
chr15	40500982	40501021	BUB1B_7630	+	GTGACCTATGCACCAGACGTCATACCACTATATCCATGCCTAGTGAACACTTGTTTATCTAGATCGGAAGAGCGGTTCAG
chr15	40501987	40502026	BUB1B_7631	+	GTGACCTATGCACCAGACGTTTGAACTCATGTCCTCTGGTTCATGACAGTATACAAATAAAGATCGGAAGAGCGGTTCAG
chr15	40502422	40502461	BUB1B_7632	+	GTGACCTATGCACCAGACGTTTCTTTATAATTTCAGTTACTTTGTAAATAATACGGATTGAGATCGGAAGAGCGGTTCAG
chr15	40504860	40504899	BUB1B_7633	+	GTGACCTATGCACCAGACGTCTAAAAACATAATTTAAAGTCCTGAAGTAGAGAGATTTGTAGATCGGAAGAGCGGTTCAG
chr15	40505686	40505725	BUB1B_7634	+	GTGACCTATGCACCAGACGTTTCATTCTTATAATTCTGCCAGCTGTCTCTTAAAACATGGAGATCGGAAGAGCGGTTCAG
chr15	40509879	40509918	BUB1B_7635	+	GTGACCTATGCACCAGACGTAACAAGCCTGAGCAAATATGGAGAGGGTTTCTTAATCTCTAGATCGGAAGAGCGGTTCAG
chr15	40510774	40510813	BUB1B_7636	+	GTGACCTATGCACCAGACGTATGAATGTCAGGGTCTCTGCCTGTCCCAATAATTTTCTGTAGATCGGAAGAGCGGTTCAG
chr15	40512971	40513010	BUB1B_7637	+	GTGACCTATGCACCAGACGTCAAGTCTCACAGATTGCTGCCTCAGAGCAATGGTTGTATTAGATCGGAAGAGCGGTTCAG
chr12	12871259	12871298	CDKN1B_7638	+	GTGACCTATGCACCAGACGTTTTCCCAACCATAGAATGTGTTTGGGGCCCCGCTTTGCCTAGATCGGAAGAGCGGTTCAG
chr12	12871891	12871930	CDKN1B_7639	+	GTGACCTATGCACCAGACGTGGGTTGATCACTAAAGGAGCACGCACTGGAACCCGGGGCCAGATCGGAAGAGCGGTTCAG
chr1	68512991	68513030	DIRAS3_7640	+	GTGACCTATGCACCAGACGTCGGAGGGGAGATACGTGCACAAGTTCTCCCACACTTAGCTAGATCGGAAGAGCGGTTCAG
chr1	68512646	68512685	DIRAS3_7641	+	GTGACCTATGCACCAGACGTAAGGCGTGGCCCCGGGCTATAACGTGGCGCTGCAGAGCGCAGATCGGAAGAGCGGTTCAG
chr19	2164275	2164314	DOT1L_7642	+	GTGACCTATGCACCAGACGTCCCTCCACCGTCCCTACCTCCCGGCCTCCCCTCCTCCGCCAGATCGGAAGAGCGGTTCAG
chr19	2180766	2180805	DOT1L_7643	+	GTGACCTATGCACCAGACGTGGCCTGCAGTGTGTTGTCTTCACAGCCCTGAGCCACTTCCAGATCGGAAGAGCGGTTCAG
chr19	2185939	2185978	DOT1L_7644	+	GTGACCTATGCACCAGACGTTCCTGTCCAGCCGCTCCGCTCCGAGGACAGACTCGGCTCTAGATCGGAAGAGCGGTTCAG
chr19	2189805	2189844	DOT1L_7645	+	GTGACCTATGCACCAGACGTTGCCCCTGCCCAGAGGGGGTTAGTAGTGCCAGGCTCCCGGAGATCGGAAGAGCGGTTCAG
chr19	2191250	2191289	DOT1L_7646	+	GTGACCTATGCACCAGACGTCCCGCCATGCCCGGCTCCTGTGCACTTCCAGGCCACACGCAGATCGGAAGAGCGGTTCAG
chr19	2193793	2193832	DOT1L_7647	+	GTGACCTATGCACCAGACGTCTGAGGGCCAGGGTGTGTTGGAGGCAGGGGACCATCAGAGAGATCGGAAGAGCGGTTCAG
chr19	2199949	2199988	DOT1L_7648	+	GTGACCTATGCACCAGACGTCGTGGGGCATGCAGGGCATGTGGGGTGTGCGCTCACAGGCAGATCGGAAGAGCGGTTCAG
chr19	2202789	2202828	DOT1L_7649	+	GTGACCTATGCACCAGACGTCTCCTCGCCGGTCTGTGCTGGTGTGACATGATTGAGGAAGAGATCGGAAGAGCGGTTCAG
chr19	2206807	2206846	DOT1L_7650	+	GTGACCTATGCACCAGACGTCTCATGTTGTTAATGATGAACACGGGTAATTTTAACCATCAGATCGGAAGAGCGGTTCAG
chr19	2207690	2207729	DOT1L_7651	+	GTGACCTATGCACCAGACGTCGCTGCGCCTCAGCCGCAGGGCCGTCCTGGTCTTCCACCCAGATCGGAAGAGCGGTTCAG
chr19	2208986	2209025	DOT1L_7652	+	GTGACCTATGCACCAGACGTGTGTTTTTTCTCTTGGGTTAATAACACGCATGCACTGATGAGATCGGAAGAGCGGTTCAG
chr19	2210520	2210559	DOT1L_7653	+	GTGACCTATGCACCAGACGTAGCCTGGCTCCTGCTGCTGGAGGGCACCCGCCCCCTGCCCAGATCGGAAGAGCGGTTCAG
chr19	2210865	2210904	DOT1L_7654	+	GTGACCTATGCACCAGACGTCCCACGCCACGGCCCCCGCTCTCCCCGAGTGCGGATGCCTAGATCGGAAGAGCGGTTCAG
chr19	2211222	2211261	DOT1L_7655	+	GTGACCTATGCACCAGACGTGTGAGGCGTCCGGCGAAGGGTTCTGGGCTTGGGGTCATCCAGATCGGAAGAGCGGTTCAG
chr19	2211852	2211891	DOT1L_7656	+	GTGACCTATGCACCAGACGTGCCCCCTTGGCATTCCGCCTTCCCGCACAGAGGCAGTTCGAGATCGGAAGAGCGGTTCAG

chr19	2213650	2213689	DOT1L_7657	+	GTGACCTATGCACCAGACGTCCAGAGGGCAGGTGGCAGGTGGCAGCTGGGGCGCAGGCTGAGATCGGAAGAGCGGTTCAG
chr19	2213996	2214035	DOT1L_7658	+	GTGACCTATGCACCAGACGTCGGCGCAAGGACAGGGACGTGGAACCAGAGGGGCCCTGCCAGATCGGAAGAGCGGTTCAG
chr19	2214606	2214645	DOT1L_7659	+	GTGACCTATGCACCAGACGTCGCGAGGCTGCACTCCGTGGTGTCCGAGCCTCTCCCATCAAGATCGGAAGAGCGGTTCAG
chr19	2216775	2216814	DOT1L_7660	+	GTGACCTATGCACCAGACGTTGGTGGGGCTGGGGGTCTGCAGCTGGTACCTGCCGACTCTAGATCGGAAGAGCGGTTCAG
chr19	2217100	2217139	DOT1L_7661	+	GTGACCTATGCACCAGACGTCGACCCCTGCCCCGGGCTCAGGGAGGTGCTCAGCAGAGGCAGATCGGAAGAGCGGTTCAG
chr19	2217928	2217967	DOT1L_7662	+	GTGACCTATGCACCAGACGTCCCAGGTGGCTGTCCCCAAGGGCCACGTTGAGGCAAAACAAGATCGGAAGAGCGGTTCAG
chr19	2220232	2220271	DOT1L_7663	+	GTGACCTATGCACCAGACGTTCCTGTGCCCTACCCTCAGGACTCTGCTGCTGCTGCTGCTAGATCGGAAGAGCGGTTCAG
chr19	2222569	2222608	DOT1L_7664	+	GTGACCTATGCACCAGACGTGGACCGGCAGGGCTGGGGAGCGCGGCCTGTGAAAGAAAGAAGATCGGAAGAGCGGTTCAG
chr19	2223496	2223535	DOT1L_7665	+	GTGACCTATGCACCAGACGTGGGCCCGGAGGGGGGCGGGGCCTGGCAGCAGGGGCAGGAGAGATCGGAAGAGCGGTTCAG
chr19	2225462	2225501	DOT1L_7666	+	GTGACCTATGCACCAGACGTAGTGTTTTGCGGCGTGGCCAGGCCTGTCCGTGTGGCCGTGAGATCGGAAGAGCGGTTCAG
chr19	2229802	2229841	DOT1L_7667	+	GTGACCTATGCACCAGACGTTCAACCGCGAGACCTATGCAAGGACGGTGTGGACCAACTCAGATCGGAAGAGCGGTTCAG
chr19	2222277	2222316	DOT1L_7668	+	GTGACCTATGCACCAGACGTCCTGAGAGTGAAGCCAAGAGGAGGATTGTGTTCACCATCAAGATCGGAAGAGCGGTTCAG
chr19	2226664	2226703	DOT1L_7669	+	GTGACCTATGCACCAGACGTGAGGGCAGCCGCGGCAAGGAGGCAGGGGAGGGCGGCCTACAGATCGGAAGAGCGGTTCAG
chr3	134514542	134514581	EPHB1_7670	+	GTGACCTATGCACCAGACGTCTCCACGGAGCAAGTTGGCTGCTGGTGCCGGCCGCCTTGGAGATCGGAAGAGCGGTTCAG
chr3	134644733	134644772	EPHB1_7671	+	GTGACCTATGCACCAGACGTAACCATTCGTCTTTCAGTCCTGCTATGAGGTCCTGGATCCAGATCGGAAGAGCGGTTCAG
chr3	134670905	134670944	EPHB1_7672	+	GTGACCTATGCACCAGACGTGAGCCTCTGCTTCCTGCCCATCTATGGCAGGGCCAGATCTAGATCGGAAGAGCGGTTCAG
chr3	134825456	134825495	EPHB1_7673	+	GTGACCTATGCACCAGACGTAGTAATGGCTCTGGGCTGGGGAGTTTGGTTCCCTGATGGTAGATCGGAAGAGCGGTTCAG
chr3	134851902	134851941	EPHB1_7674	+	GTGACCTATGCACCAGACGTAGGCTTCTGTGCTCCTGTTTGGATGTGTGGCTGGCTCTTTAGATCGGAAGAGCGGTTCAG
chr3	134873129	134873168	EPHB1_7675	+	GTGACCTATGCACCAGACGTTCTACCTGCAAGCTTGCAAGACCCAAGGCCAGCCACTGTTAGATCGGAAGAGCGGTTCAG
chr3	134881033	134881072	EPHB1_7676	+	GTGACCTATGCACCAGACGTGGGAGGGCAGTGGCATAATCACAGGGCAGGCAGTGTGGGAAGATCGGAAGAGCGGTTCAG
chr3	134884929	134884968	EPHB1_7677	+	GTGACCTATGCACCAGACGTCACTCTCACTTGCTCTCCTTGGACCCAGGAAGCCCCTCTCAGATCGGAAGAGCGGTTCAG
chr3	134885859	134885898	EPHB1_7678	+	GTGACCTATGCACCAGACGTAGCAGAGACCCGGTGTCTGACCCCCACAGGCCACTGAGTCAGATCGGAAGAGCGGTTCAG
chr3	134898835	134898874	EPHB1_7679	+	GTGACCTATGCACCAGACGTTCCCTGTCTTGTTTCTGTTCTCCTGGTGTCCAAACATCTTAGATCGGAAGAGCGGTTCAG
chr3	134911676	134911715	EPHB1_7680	+	GTGACCTATGCACCAGACGTCTCAGGGGTTTGATGATGCACTTGGATGCAGGTGAATGATAGATCGGAAGAGCGGTTCAG
chr3	134920542	134920581	EPHB1_7681	+	GTGACCTATGCACCAGACGTCTTGGCATTCTCAAGTAGAAGCATGGCATGAGTTAAAGGGAGATCGGAAGAGCGGTTCAG
chr3	134960150	134960189	EPHB1_7682	+	GTGACCTATGCACCAGACGTGCAGCACTTGGTCACCACAAACCCCCATTGAAGGGATCCCAGATCGGAAGAGCGGTTCAG
chr3	134967362	134967401	EPHB1_7683	+	GTGACCTATGCACCAGACGTTGAAACGGTGATCCCTAAATATGGCTGGTTTCATGGTCAGAGATCGGAAGAGCGGTTCAG
chr3	134968344	134968383	EPHB1_7684	+	GTGACCTATGCACCAGACGTAGAATCTCTCTGTCCAGACCACACCTAGGGGTCAGTGCTCAGATCGGAAGAGCGGTTCAG
chr3	134977973	134978012	EPHB1_7685	+	GTGACCTATGCACCAGACGTTTCTTGGGGAAGGAGAGGAGGGAAAAGGACCAGGGTCAAGAGATCGGAAGAGCGGTTCAG
chr3	134670564	134670603	EPHB1_7686	+	GTGACCTATGCACCAGACGTAACACAGAAGTCAGGAGCTTTGGGCCTCTTACTCGGAATGAGATCGGAAGAGCGGTTCAG
chr7	142561096	142561135	EPHB6_7687	+	GTGACCTATGCACCAGACGTGGGGAGACAGGAGAACCCAGACCTGCCATAGAGACCCAGTAGATCGGAAGAGCGGTTCAG
chr7	142561464	142561503	EPHB6_7688	+	GTGACCTATGCACCAGACGTCTCTAATTCTGAACCTGAATCCCTTGGCCCTGCCCCTCCCAGATCGGAAGAGCGGTTCAG
chr7	142562515	142562554	EPHB6_7689	+	GTGACCTATGCACCAGACGTACTCGTCTTGCACTTGCCCGACACCTCCCACCCACCCCCAAGATCGGAAGAGCGGTTCAG
chr7	142563396	142563435	EPHB6_7690	+	GTGACCTATGCACCAGACGTCACCCAGCCCTGCAATGGGAAAGAGACTTGGAGAGGGGCCAGATCGGAAGAGCGGTTCAG
chr7	142564082	142564121	EPHB6_7691	+	GTGACCTATGCACCAGACGTTTCCTTGGCCTTCAGGATCCCCTGCCTCCGCTCCTTTGAGAGATCGGAAGAGCGGTTCAG
chr7	142564371	142564410	EPHB6_7692	+	GTGACCTATGCACCAGACGTGGAGTGGGGGTTCCGCAGTAGGGCTGGTAGGAGCTCATAGAGATCGGAAGAGCGGTTCAG
chr7	142564834	142564873	EPHB6_7693	+	GTGACCTATGCACCAGACGTGTCAAGGGCCAGATGGGCAGGTGAAGGCCCAAGTGGGTAGAGATCGGAAGAGCGGTTCAG
chr7	142565488	142565527	EPHB6_7694	+	GTGACCTATGCACCAGACGTACCCCTGCCCAACTCTGCCCAGCACCATTAACTCCACAGCAGATCGGAAGAGCGGTTCAG
chr7	142565815	142565854	EPHB6_7695	+	GTGACCTATGCACCAGACGTGGAGAGGAAATGGGTGGGGCTGGGGAACACATGGGTGGGGAGATCGGAAGAGCGGTTCAG
chr7	142566126	142566165	EPHB6_7696	+	GTGACCTATGCACCAGACGTGCCAAAGCAGGGATCAGAGCGACGGGGCTCCCTTGTGCCCAGATCGGAAGAGCGGTTCAG
chr7	142566505	142566544	EPHB6_7697	+	GTGACCTATGCACCAGACGTCCTGGGTGAAGGAGGAGGGTCCTTGGGTCCAGGAAAGCTTAGATCGGAAGAGCGGTTCAG
chr7	142566911	142566950	EPHB6_7698	+	GTGACCTATGCACCAGACGTAGCCTTGGGGACACAGCCTGGGGCCTTGTGGCATGCCCCAAGATCGGAAGAGCGGTTCAG
chr7	142567730	142567769	EPHB6_7699	+	GTGACCTATGCACCAGACGTACCTAGACACTGCTGATTTCCCACCCCGATCCCTCCCAGGAGATCGGAAGAGCGGTTCAG
chr7	142568171	142568210	EPHB6_7700	+	GTGACCTATGCACCAGACGTTGGGGCTAGAGCCTGGGAAAGCCAGGGAGGGTAGATGCAAAGATCGGAAGAGCGGTTCAG
chr7	142568449	142568488	EPHB6_7701	+	GTGACCTATGCACCAGACGTAGTGGTGGGGTGGGGGCGAATGCTCCAGGCCCCTGGCTGGAGATCGGAAGAGCGGTTCAG
chr7	142568668	142568707	EPHB6_7702	+	GTGACCTATGCACCAGACGTACCCGTGACTCAGCCCTGGACACTGGTCCGAGAAGGGACAAGATCGGAAGAGCGGTTCAG
chr7	142562124	142562163	EPHB6_7703	+	GTGACCTATGCACCAGACGTGGGCTGGACTGCAACTGAACGTCAAAGAGCGGAGCTTTGGAGATCGGAAGAGCGGTTCAG
chr20	57415910	57415949	GNAS_7704	+	GTGACCTATGCACCAGACGTCGTCCAGATTCTCCTTGTTTTCATGGATTCAGGTTAGTTGAGATCGGAAGAGCGGTTCAG
chr20	57430399	57430438	GNAS_7705	+	GTGACCTATGCACCAGACGTGGACTCTGCCTGCGGGCAGCAGGGCCGCCGGGGAACCGGGAGATCGGAAGAGCGGTTCAG
chr20	57470750	57470789	GNAS_7706	+	GTGACCTATGCACCAGACGTAATCTGTGCAGGGGGGCACCAAGTAAGAGGAACAGACTTTAGATCGGAAGAGCGGTTCAG
chr20	57474051	57474090	GNAS_7707	+	GTGACCTATGCACCAGACGTTCAAAACCAGAAAAAATTGTTAACAAACCAAACAAACATGAGATCGGAAGAGCGGTTCAG
chr20	57478651	57478690	GNAS_7708	+	GTGACCTATGCACCAGACGTGCTCCTTGTGCTGTCTGTCTTGTAGCGCCCTCCCAGCCAGAGATCGGAAGAGCGGTTCAG
chr20	57478857	57478896	GNAS_7709	+	GTGACCTATGCACCAGACGTCCCCGACTTGTGTGGCCTTAGCCCCGCCCACCTGAGCACAAGATCGGAAGAGCGGTTCAG
chr20	57480546	57480585	GNAS_7710	+	GTGACCTATGCACCAGACGTGCCACCCAACCCATCAGCACATAAAACAGACAAAAACAAGAGATCGGAAGAGCGGTTCAG
chr20	57484282	57484321	GNAS_7711	+	GTGACCTATGCACCAGACGTCCCCTCCCCACCAGAGGACTCTGAGCCCTCTTTCCAAACTAGATCGGAAGAGCGGTTCAG
chr20	57484489	57484528	GNAS_7712	+	GTGACCTATGCACCAGACGTTGTTACCTTTTTATATAACAGAGATCATGGTTTCTTGACAAGATCGGAAGAGCGGTTCAG
chr20	57484645	57484684	GNAS_7713	+	GTGACCTATGCACCAGACGTGTGGGCTTGGCTGTTCGTAAAGAACGCTTTGCTTCTGTGTAGATCGGAAGAGCGGTTCAG
chr20	57484870	57484909	GNAS_7714	+	GTGACCTATGCACCAGACGTTGACCGCCCACCCCCTGCGCTTGCCCAGGAGGCCCTGGTCAGATCGGAAGAGCGGTTCAG

chr20	57485147	57485186	GNAS_7715	+	GTGACCTATGCACCAGACGTCTTCCACTCTTGCTGGCTGTTCATTGCGGTGGTTCTTTTTAGATCGGAAGAGCGGTTCAG
chr20	57485467	57485506	GNAS_7716	+	GTGACCTATGCACCAGACGTCCTGTCTTTAGTTTCCTCTCTTGTTCCTCCTCTTTTTCTCAGATCGGAAGAGCGGTTCAG
chr20	57485895	57485934	GNAS_7717	+	GTGACCTATGCACCAGACGTCCCAAATTTAATTAAAGCCTTAAGCACAATTAATTAAAAGAGATCGGAAGAGCGGTTCAG
chr20	57415541	57415580	GNAS_7718	+	GTGACCTATGCACCAGACGTCCGAGCCTGAGACCGCCCCCACCACTGAGCCCGAGACCGAAGATCGGAAGAGCGGTTCAG
chr20	57428744	57428783	GNAS_7719	+	GTGACCTATGCACCAGACGTGGAGCCTTCAGTGGTGCCAGACCAGGCCTGGGAGGATACAAGATCGGAAGAGCGGTTCAG
chr20	57429157	57429196	GNAS_7720	+	GTGACCTATGCACCAGACGTCGCCATCGGCAGCCCATCCCAAGAGGCTGTCAGACCTCCTAGATCGGAAGAGCGGTTCAG
chr20	57429570	57429609	GNAS_7721	+	GTGACCTATGCACCAGACGTCAGCCGATCCTGACTCCGGGGCATTCGCAGCCGATCCCGAAGATCGGAAGAGCGGTTCAG
chr20	57429983	57430022	GNAS_7722	+	GTGACCTATGCACCAGACGTTCCGAGAGCAGCCGCGGCCGCCGCGTGTACTACGATGAAGAGATCGGAAGAGCGGTTCAG
chr14	62162568	62162607	HIF1A_7723	+	GTGACCTATGCACCAGACGTTCCCTCGGCCCGCCGCCTTCTCCCCCGGCGACCCCGCCCGAGATCGGAAGAGCGGTTCAG
chr14	62187301	62187340	HIF1A_7724	+	GTGACCTATGCACCAGACGTTTACAAGGGTATAAATAGGCCTGAAAATTAGAAGTTAGAAAGATCGGAAGAGCGGTTCAG
chr14	62188383	62188422	HIF1A_7725	+	GTGACCTATGCACCAGACGTCACATATTAAGAGCTCTTCTATATGTTTTTATGATTTTATAGATCGGAAGAGCGGTTCAG
chr14	62188552	62188591	HIF1A_7726	+	GTGACCTATGCACCAGACGTTCTGTTGTTTGATTTAATGTGACAGGTGGTTTTACATAATAGATCGGAAGAGCGGTTCAG
chr14	62193547	62193586	HIF1A_7727	+	GTGACCTATGCACCAGACGTATTATTTGTGATTGATTATACACTTTATTTATACATAGACAGATCGGAAGAGCGGTTCAG
chr14	62194384	62194423	HIF1A_7728	+	GTGACCTATGCACCAGACGTTCTAAAATGTGAATTTGAAATTTTTAATTAGTCTACAGCAAGATCGGAAGAGCGGTTCAG
chr14	62199253	62199292	HIF1A_7729	+	GTGACCTATGCACCAGACGTTGGAAGAACTCAGAGATATTCTAATTACTTAACTGTTGCAAGATCGGAAGAGCGGTTCAG
chr14	62201014	62201053	HIF1A_7730	+	GTGACCTATGCACCAGACGTTTGAGAAATAAACATTTTTGGGGAACAAATAGTAATTCTTAGATCGGAAGAGCGGTTCAG
chr14	62203838	62203877	HIF1A_7731	+	GTGACCTATGCACCAGACGTATTTTTGTTAATCCCCTAAATTGTGTCTGTTGCTACAAGCAGATCGGAAGAGCGGTTCAG
chr14	62205102	62205141	HIF1A_7732	+	GTGACCTATGCACCAGACGTTGATATAATCAGAAAGGGACAACTTTCAGATTTTAACATTAGATCGGAAGAGCGGTTCAG
chr14	62207356	62207395	HIF1A_7733	+	GTGACCTATGCACCAGACGTTTATTTGTTTTATATTAAATTTCATTAATTTTTAGTCTGAAGATCGGAAGAGCGGTTCAG
chr14	62207917	62207956	HIF1A_7734	+	GTGACCTATGCACCAGACGTGTAACATTCAAGTTATAGTTCTTTTATTATTTTTGAGATAAGATCGGAAGAGCGGTTCAG
chr14	62212546	62212585	HIF1A_7735	+	GTGACCTATGCACCAGACGTTCTTTTTGACCTTGAACATCACAAAGACAAAATACATGAAAGATCGGAAGAGCGGTTCAG
chr14	62213668	62213707	HIF1A_7736	+	GTGACCTATGCACCAGACGTGCTGGGGCAATCAATGGATGAAAGTGGATTACCACAGCTGAGATCGGAAGAGCGGTTCAG
chr14	62213814	62213853	HIF1A_7737	+	GTGACCTATGCACCAGACGTAATTTCATTCCTTTTTTTGGACACTGGTGGCTCATTACCTAGATCGGAAGAGCGGTTCAG
chr11	94153358	94153397	MRE11A_7738	+	GTGACCTATGCACCAGACGTATACAAATGTTGTATTAGTGATTGTTCCCTGCTTCACTGAAGATCGGAAGAGCGGTTCAG
chr11	94169076	94169115	MRE11A_7739	+	GTGACCTATGCACCAGACGTAACAAAGCAACAAACAGTTTTTGTGAGAATAGACTCTGAAAGATCGGAAGAGCGGTTCAG
chr11	94170412	94170451	MRE11A_7740	+	GTGACCTATGCACCAGACGTAAAGATGAAATGTGCATTATGTTATTCTTAAAATAACTTAAGATCGGAAGAGCGGTTCAG
chr11	94179070	94179109	MRE11A_7741	+	GTGACCTATGCACCAGACGTAATGAACAGTCAATGTACAAGCCTATCAGCAGCTAAGGTTAGATCGGAAGAGCGGTTCAG
chr11	94180615	94180654	MRE11A_7742	+	GTGACCTATGCACCAGACGTGAAGAAGGAGAAAGTACACACAATGAGATAACGTACCATCAGATCGGAAGAGCGGTTCAG
chr11	94189515	94189554	MRE11A_7743	+	GTGACCTATGCACCAGACGTACAGAGTAAATCACAAACATGTTGCCTATTCCAGTTATGTAGATCGGAAGAGCGGTTCAG
chr11	94192758	94192797	MRE11A_7744	+	GTGACCTATGCACCAGACGTCAAATCACTGGATGCAGAAATAGTTTTTATTCCTTACAAAAGATCGGAAGAGCGGTTCAG
chr11	94194213	94194252	MRE11A_7745	+	GTGACCTATGCACCAGACGTAGAAGTATATCAAAAAATAGCTTCTATCATAATGTTAAAAAGATCGGAAGAGCGGTTCAG
chr11	94197416	94197455	MRE11A_7746	+	GTGACCTATGCACCAGACGTAGAATAATCTATGAACGCTAGGAAACAACAATTTGCCAATAGATCGGAAGAGCGGTTCAG
chr11	94201070	94201109	MRE11A_7747	+	GTGACCTATGCACCAGACGTTTAAAAAGATTAAAAAACAACGTAGTAAACTGAGTTTAACAGATCGGAAGAGCGGTTCAG
chr11	94203819	94203858	MRE11A_7748	+	GTGACCTATGCACCAGACGTGAGAAATGAACACCGAGTCACAGTGTAAATTTCCTCAGGGAGATCGGAAGAGCGGTTCAG
chr11	94204936	94204975	MRE11A_7749	+	GTGACCTATGCACCAGACGTATTTTGAAAAATATAAATTCGGTGATTAGAAAAATTTCATAGATCGGAAGAGCGGTTCAG
chr11	94209580	94209619	MRE11A_7750	+	GTGACCTATGCACCAGACGTCATTACATTATTTTTAAATTGTTTTCTTACTTCGGCTTAAAGATCGGAAGAGCGGTTCAG
chr11	94212053	94212092	MRE11A_7751	+	GTGACCTATGCACCAGACGTTAATTTCAAAGAATGTTAGTGTGTATGTAAAAGTAGGTATAGATCGGAAGAGCGGTTCAG
chr11	94212938	94212977	MRE11A_7752	+	GTGACCTATGCACCAGACGTAAAAGTTACTTAAAATTTCCATACGGGACAAAAGCTGTTTAGATCGGAAGAGCGGTTCAG
chr11	94219261	94219300	MRE11A_7753	+	GTGACCTATGCACCAGACGTGAAAAAGGTGTTAAAATTAGTATGTTTTACAGGTAAAATTAGATCGGAAGAGCGGTTCAG
chr11	94224142	94224181	MRE11A_7754	+	GTGACCTATGCACCAGACGTAAAGAAGAAACATTTCAATATATTAATAATTCATTAAAGGAGATCGGAAGAGCGGTTCAG
chr11	94225978	94226017	MRE11A_7755	+	GTGACCTATGCACCAGACGTAGTCAAGCTCCTCTGGGACCAGGTTCTTCTCCAAGAACCCAGATCGGAAGAGCGGTTCAG
chr16	81819798	81819837	PLCG2_7756	+	GTGACCTATGCACCAGACGTGCTGGGTGGGGCAGTGTGGCCCGTCCTCTGGGGCCCTGGCAGATCGGAAGAGCGGTTCAG
chr16	81888203	81888242	PLCG2_7757	+	GTGACCTATGCACCAGACGTGTTTCTGTGCCTTTCTCCTTCCCTGTGCCTTAGTGTCTTCAGATCGGAAGAGCGGTTCAG
chr16	81891972	81892011	PLCG2_7758	+	GTGACCTATGCACCAGACGTTTTGCCTGTTGATTTGCGTAGTTGCTGATTCCTTTATTCTAGATCGGAAGAGCGGTTCAG
chr16	81892779	81892818	PLCG2_7759	+	GTGACCTATGCACCAGACGTTTCAGTTTTTTTCTGATCACTTTGGATTTCGATCCTCATTAGATCGGAAGAGCGGTTCAG
chr16	81902914	81902953	PLCG2_7760	+	GTGACCTATGCACCAGACGTTGGCTCAGCCTGGGAATTTTATGAATGCGGAGTGACTTAGAGATCGGAAGAGCGGTTCAG
chr16	81904551	81904590	PLCG2_7761	+	GTGACCTATGCACCAGACGTTCTTGAGCAAGTGATCAAGTGATGTTTCTGTTTTCCATGTAGATCGGAAGAGCGGTTCAG
chr16	81914569	81914608	PLCG2_7762	+	GTGACCTATGCACCAGACGTTCTTGTGTGTCGTTCGGGGCGGCTGTGCCGGACCTCGGTGAGATCGGAAGAGCGGTTCAG
chr16	81916957	81916996	PLCG2_7763	+	GTGACCTATGCACCAGACGTAAGGTGTGTGGGTGCCTGAGGGAGCTGGCGGGATGCTGCTAGATCGGAAGAGCGGTTCAG
chr16	81922889	81922928	PLCG2_7764	+	GTGACCTATGCACCAGACGTTGGGCTTGTTGTCGCTTGGGGGTGACTTTTTGATTGATGTAGATCGGAAGAGCGGTTCAG
chr16	81925206	81925245	PLCG2_7765	+	GTGACCTATGCACCAGACGTGATGAGCCTGTGATGGGTTGGGCAGCACAGAGCACGTGAGAGATCGGAAGAGCGGTTCAG
chr16	81927410	81927449	PLCG2_7766	+	GTGACCTATGCACCAGACGTCCTTCTTGGTGGAGGTCAGGCTCGCAGCAAATTGAGGATAAGATCGGAAGAGCGGTTCAG
chr16	81929543	81929582	PLCG2_7767	+	GTGACCTATGCACCAGACGTTGATTTCTGGGTGGTGTGACTTAAAGGGGAAGGCAGCTAGAGATCGGAAGAGCGGTTCAG
chr16	81934396	81934435	PLCG2_7768	+	GTGACCTATGCACCAGACGTCGGGTGCTGCTGTTGGCTGTCCAGGGAGCCCAGTGGCTCGAGATCGGAAGAGCGGTTCAG
chr16	81939123	81939162	PLCG2_7769	+	GTGACCTATGCACCAGACGTGTCCCTTCCCGTAGCCACTGCGGCCACGCCCCTTGCAGCTAGATCGGAAGAGCGGTTCAG
chr16	81941390	81941429	PLCG2_7770	+	GTGACCTATGCACCAGACGTACCCTAGCCACATAGGGAGGAGGTCCCCAGGAACCCCGAGAGATCGGAAGAGCGGTTCAG
chr16	81942207	81942246	PLCG2_7771	+	GTGACCTATGCACCAGACGTCGACCCAGGGAACGCCTACCTTCTTCTCCATGCCAACCGAAGATCGGAAGAGCGGTTCAG
chr16	81944336	81944375	PLCG2_7772	+	GTGACCTATGCACCAGACGTGAGGGTGGAGCAGGAGGCAGGCGGTGGTCGGGTTAGCTCCAGATCGGAAGAGCGGTTCAG

chr16	81946332	81946371	PLCG2_7773	+	GTGACCTATGCACCAGACGTGGGTGGGAGGCACATGCTCTACAGAGGGGCTTGGCAAGGAAGATCGGAAGAGCGGTTCAG
chr16	81953280	81953319	PLCG2_7774	+	GTGACCTATGCACCAGACGTGACTCCCTTGTGATTTGGTGGGATTTCTTGTCTGAGGTTGAGATCGGAAGAGCGGTTCAG
chr16	81954885	81954924	PLCG2_7775	+	GTGACCTATGCACCAGACGTGAACCTCCAATTCACATGATTTTGGAGTCACGAGGCTGATAGATCGGAAGAGCGGTTCAG
chr16	81957210	81957249	PLCG2_7776	+	GTGACCTATGCACCAGACGTGTGGAGGCTGGGCTGCTCGGCAGGTGGGCTTGACTTGTCCAGATCGGAAGAGCGGTTCAG
chr16	81960794	81960833	PLCG2_7777	+	GTGACCTATGCACCAGACGTCTCTTCGATCCTCTTACAGGAAGAAGGGATCTGCAGGTCCAGATCGGAAGAGCGGTTCAG
chr16	81962240	81962279	PLCG2_7778	+	GTGACCTATGCACCAGACGTACATCATCTTAGCCTGGATTTCCACCCCTATCCCCCATGGAGATCGGAAGAGCGGTTCAG
chr16	81965270	81965309	PLCG2_7779	+	GTGACCTATGCACCAGACGTGCTCACCCGGGTGCAGGTGGGCCTGGCATTCTGAGGGCTTAGATCGGAAGAGCGGTTCAG
chr16	81968147	81968186	PLCG2_7780	+	GTGACCTATGCACCAGACGTTCCCAAGAACATGCCCTATAACTCCAATGAAAACTTAACTAGATCGGAAGAGCGGTTCAG
chr16	81969994	81970033	PLCG2_7781	+	GTGACCTATGCACCAGACGTACTGAAGGTAGTCCCGTCCCTGCAAGGTGGCGGTTGCAGTAGATCGGAAGAGCGGTTCAG
chr16	81971519	81971558	PLCG2_7782	+	GTGACCTATGCACCAGACGTCCCTCCCTTCCTGCCAGGGGAGCCAGCCGCCCTCCCTGGGAGATCGGAAGAGCGGTTCAG
chr16	81972531	81972570	PLCG2_7783	+	GTGACCTATGCACCAGACGTCACCTTGGCCCCTCTGCTTTTAAACGTCCGGCCAGTGAATAGATCGGAAGAGCGGTTCAG
chr16	81973675	81973714	PLCG2_7784	+	GTGACCTATGCACCAGACGTTTTTAATTAAGATGTTCGATTTGGGCTGGCGTTGTACTTTAGATCGGAAGAGCGGTTCAG
chr16	81979879	81979918	PLCG2_7785	+	GTGACCTATGCACCAGACGTAAACACCAGTTAAGGGTTCCCTGAGCTATGCCTGCTGGTGAGATCGGAAGAGCGGTTCAG
chr16	81990495	81990534	PLCG2_7786	+	GTGACCTATGCACCAGACGTCCCTCCACCTGCAAAAACTTTTGGGGGGTCTCTAGGCACGAGATCGGAAGAGCGGTTCAG
chr16	81991614	81991653	PLCG2_7787	+	GTGACCTATGCACCAGACGTATGTGTGTAAGGGTATTGTGTGTGTGCGCATGTGTGTTTGAGATCGGAAGAGCGGTTCAG
chr12	112884213	112884252	PTPN11_7788	+	GTGACCTATGCACCAGACGTATGAAAAGAGAGGATCCTGAGAGTGTTTTCTAGGTAGGAAAGATCGGAAGAGCGGTTCAG
chr12	112888327	112888366	PTPN11_7789	+	GTGACCTATGCACCAGACGTTTTTAGTGACCACAAAGTCTGCTGCTCCCTTGTGCCCTGAAGATCGGAAGAGCGGTTCAG
chr12	112891202	112891241	PTPN11_7790	+	GTGACCTATGCACCAGACGTAGTTGAAAAATGGGTCTGGCAAGATGTTACCTTTGGGTGAAGATCGGAAGAGCGGTTCAG
chr12	112892495	112892534	PTPN11_7791	+	GTGACCTATGCACCAGACGTTGGAAAGCTCAAGCTTTCTCCTTAAAAACTTAAAACAAATAGATCGGAAGAGCGGTTCAG
chr12	112893878	112893917	PTPN11_7792	+	GTGACCTATGCACCAGACGTAAAAAACTGTTTTTACGTGAGTTGTTATATCCTATTTTTAAGATCGGAAGAGCGGTTCAG
chr12	112910855	112910894	PTPN11_7793	+	GTGACCTATGCACCAGACGTATATTCCGCTCAGTAATAGTCACTCTTGGAGATTTTGATTAGATCGGAAGAGCGGTTCAG
chr12	112915545	112915584	PTPN11_7794	+	GTGACCTATGCACCAGACGTCTTTTCACAGTGTTTTCTGACCATACATTTCTAGCCTATTAGATCGGAAGAGCGGTTCAG
chr12	112915830	112915869	PTPN11_7795	+	GTGACCTATGCACCAGACGTGAAACTTCTTTTCTGCTAAACTGTTTTTAAAGTATCAGACAGATCGGAAGAGCGGTTCAG
chr12	112920020	112920059	PTPN11_7796	+	GTGACCTATGCACCAGACGTTGTCGTATTCTAGAGACTTTGGGAACTGTTGATGGTGTGTAGATCGGAAGAGCGGTTCAG
chr12	112924444	112924483	PTPN11_7797	+	GTGACCTATGCACCAGACGTCTGCTGCCCCTCTAGGCCACAGCCTGTCCCTGTCTCCTAGAGATCGGAAGAGCGGTTCAG
chr12	112926325	112926364	PTPN11_7798	+	GTGACCTATGCACCAGACGTTGGTGGGCAAGAAGCGACAGTTTCTGTTTTTAGTTTATGGAGATCGGAAGAGCGGTTCAG
chr12	112926990	112927029	PTPN11_7799	+	GTGACCTATGCACCAGACGTGAGGGCTGGCATGCGGATTCTCATTCTCTTGCTAGGCCTCAGATCGGAAGAGCGGTTCAG
chr12	112940071	112940110	PTPN11_7800	+	GTGACCTATGCACCAGACGTCTGAAGGAAATTCTTTTTACCTGGTCATGGTGGTTTAAAAAGATCGGAAGAGCGGTTCAG
chr12	112942579	112942618	PTPN11_7801	+	GTGACCTATGCACCAGACGTCAAAACTTCAGCACAGAAATAGGTATTTAAATGCAAGTGCAGATCGGAAGAGCGGTTCAG
chr5	131893156	131893195	RAD50_7802	+	GTGACCTATGCACCAGACGTAGTAGCCGCCTTCAGTTTACAGGTCGCTACATCTTTCGGAAGATCGGAAGAGCGGTTCAG
chr5	131911631	131911670	RAD50_7803	+	GTGACCTATGCACCAGACGTATATGATATTTGAATTTCTGTTCATTTTCAGTCTTTTAGGAGATCGGAAGAGCGGTTCAG
chr5	131915205	131915244	RAD50_7804	+	GTGACCTATGCACCAGACGTCTTAAATAGACTTTGTAGTCCATTAAGTTATTGAACTGTGAGATCGGAAGAGCGGTTCAG
chr5	131923393	131923432	RAD50_7805	+	GTGACCTATGCACCAGACGTGTAGAATTTTGTTCTGCTTCAAAATTTTGGGATTATTGTAAGATCGGAAGAGCGGTTCAG
chr5	131923792	131923831	RAD50_7806	+	GTGACCTATGCACCAGACGTATGTTTATTTGGTCGTTTTTCCTACTATGATGTTATACATAGATCGGAAGAGCGGTTCAG
chr5	131924583	131924622	RAD50_7807	+	GTGACCTATGCACCAGACGTTGAAATACAGTATTTGTTATTTTGTTTGCATCATATTCTCAGATCGGAAGAGCGGTTCAG
chr5	131925540	131925579	RAD50_7808	+	GTGACCTATGCACCAGACGTGTTTGAATAATCTAATAATTTTAAGATATAATACTTTTAGAGATCGGAAGAGCGGTTCAG
chr5	131927109	131927148	RAD50_7809	+	GTGACCTATGCACCAGACGTTCTTTTTGTTCTAATTATACTGTCTGGTACTTAAAATAGCAGATCGGAAGAGCGGTTCAG
chr5	131927737	131927776	RAD50_7810	+	GTGACCTATGCACCAGACGTACATTTGGAGATGTAATAGAAATCTCTTATTTCATGCTTAAGATCGGAAGAGCGGTTCAG
chr5	131930747	131930786	RAD50_7811	+	GTGACCTATGCACCAGACGTTACTTTATATTATCAGGATACTTTGACACCTTTGAATTTTAGATCGGAAGAGCGGTTCAG
chr5	131931513	131931552	RAD50_7812	+	GTGACCTATGCACCAGACGTGATTTACCTTCACTGTACATGTAGCAGCACATTGTAAAAGAGATCGGAAGAGCGGTTCAG
chr5	131939192	131939231	RAD50_7813	+	GTGACCTATGCACCAGACGTTGTAGTTTAAGGCAGAATAAAACTTGTTCCATGGTGGCTTAGATCGGAAGAGCGGTTCAG
chr5	131939749	131939788	RAD50_7814	+	GTGACCTATGCACCAGACGTCTGTGTCCTTCTGTACTCATAGAGACTTTGACATTGCGAGAGATCGGAAGAGCGGTTCAG
chr5	131944428	131944467	RAD50_7815	+	GTGACCTATGCACCAGACGTATTTATATATTTACTTATCAAATATCTGTATTAAACTTATAGATCGGAAGAGCGGTTCAG
chr5	131945099	131945138	RAD50_7816	+	GTGACCTATGCACCAGACGTTTTGCTTATGATATCACTTACACCTATGACATTCTTTTCTAGATCGGAAGAGCGGTTCAG
chr5	131951833	131951872	RAD50_7817	+	GTGACCTATGCACCAGACGTAAAATAATCTTCAGTTTAAATAAACGTCTTTATTACTGGAAGATCGGAAGAGCGGTTCAG
chr5	131953997	131954036	RAD50_7818	+	GTGACCTATGCACCAGACGTGACTGGGGATTTTCTTATTGCAGTTAATATTAACTAACATAGATCGGAAGAGCGGTTCAG
chr5	131972903	131972942	RAD50_7819	+	GTGACCTATGCACCAGACGTTGGTGTATCACAAATGCTCTTTCCAAAGCCCTCTCCGCAGAGATCGGAAGAGCGGTTCAG
chr5	131973926	131973965	RAD50_7820	+	GTGACCTATGCACCAGACGTCAAAAGCCTGGGGAGCCAACTCACCCAAGTAACTGAAAGAAGATCGGAAGAGCGGTTCAG
chr5	131976508	131976547	RAD50_7821	+	GTGACCTATGCACCAGACGTCTTGCACATGCTCTGGTTGAGTAAGTATCTCACATTTGGGAGATCGGAAGAGCGGTTCAG
chr5	131978067	131978106	RAD50_7822	+	GTGACCTATGCACCAGACGTGATTTAAATGCCATAGAAATGTAGGTCCTCAGAAAGTGTAAGATCGGAAGAGCGGTTCAG
chr15	40991054	40991093	RAD51_7823	+	GTGACCTATGCACCAGACGTAGTTGCTAATTTTGGAATTATATACTAGATTCTTCTACCTAGATCGGAAGAGCGGTTCAG
chr15	40993410	40993449	RAD51_7824	+	GTGACCTATGCACCAGACGTCTTACTTAACCTAGGGAGGCATTAGTGGGAATAGTACAAAAGATCGGAAGAGCGGTTCAG
chr15	40998503	40998542	RAD51_7825	+	GTGACCTATGCACCAGACGTCCTTTATCCTGTGTTGTGAACTCTAGTTAGGAAAGCTTCCAGATCGGAAGAGCGGTTCAG
chr15	41001325	41001364	RAD51_7826	+	GTGACCTATGCACCAGACGTGGGGCTATAGCTAATCAAATAAGCAAGCATTACTTCATTCAGATCGGAAGAGCGGTTCAG
chr15	41011108	41011147	RAD51_7827	+	GTGACCTATGCACCAGACGTGGTTTAGATAAGAGAGACTATGGCTACACTTATCAATGTAAGATCGGAAGAGCGGTTCAG
chr15	41021033	41021072	RAD51_7828	+	GTGACCTATGCACCAGACGTAGTATAAGACACCAAATATGTTCTTAAGAGTCCTTCCCTGAGATCGGAAGAGCGGTTCAG
chr15	41021843	41021882	RAD51_7829	+	GTGACCTATGCACCAGACGTGGATAGGGACAGAGAATGCCTACTTTCAGTGGCTGTGAATAGATCGGAAGAGCGGTTCAG
chr15	41022183	41022222	RAD51_7830	+	GTGACCTATGCACCAGACGTGATGGGATCAGTTCTTCTTTTCGGAATGTCATATTAACTGAGATCGGAAGAGCGGTTCAG

chr15	41023387	41023426	RAD51_7831	+	GTGACCTATGCACCAGACGTTTTTCCTCTGTTAAAAACCTTAAGTGCTGCAGCCTAATGAAGATCGGAAGAGCGGTTCAG
chr13	80911851	80911890	SPRY2_7832	+	GTGACCTATGCACCAGACGTAAGTGTGGTCACTCCAGCAGGCTTAGAACACATCTGAACTAGATCGGAAGAGCGGTTCAG
chr13	80911377	80911416	SPRY2_7833	+	GTGACCTATGCACCAGACGTTTGGGTTGCACCCGGATTATGCCATCAGCAACAGGCCCGGAGATCGGAAGAGCGGTTCAG
chr16	89805127	89805166	FANCA_7834	+	GTGACCTATGCACCAGACGTGGAGCAGGTCCTCAGCCCATGCCGCCCACTAGGCCTCAGAAGATCGGAAGAGCGGTTCAG
chr16	89805393	89805432	FANCA_7835	+	GTGACCTATGCACCAGACGTAACAGGCAAACTCACAGGTTAGAAGACATACAGAAACAGGAGATCGGAAGAGCGGTTCAG
chr16	89805708	89805747	FANCA_7836	+	GTGACCTATGCACCAGACGTAGACATAGTGACAAATGGCTACAGACTGCTGGAAAGGTAGAGATCGGAAGAGCGGTTCAG
chr16	89805972	89806011	FANCA_7837	+	GTGACCTATGCACCAGACGTAAGAAGTGGCTCAGGCAACTCTGGACATCTCTGCCTATTAAGATCGGAAGAGCGGTTCAG
chr16	89806518	89806557	FANCA_7838	+	GTGACCTATGCACCAGACGTCAGGAGACCAACCCTGAGAATGGCCGACCTGGTGCTCCCAAGATCGGAAGAGCGGTTCAG
chr16	89807285	89807324	FANCA_7839	+	GTGACCTATGCACCAGACGTAAACGTGCACTTATTATTACATTAAAATTACCTGTGCTGTAGATCGGAAGAGCGGTTCAG
chr16	89809357	89809396	FANCA_7840	+	GTGACCTATGCACCAGACGTGAGAACGGGGTCATTGCAGGGCCTTACAACCATACAACCAAGATCGGAAGAGCGGTTCAG
chr16	89811490	89811529	FANCA_7841	+	GTGACCTATGCACCAGACGTAGCACCAGCACACAGATGAGGGTGGCTGAGATGGACACACAGATCGGAAGAGCGGTTCAG
chr16	89813107	89813146	FANCA_7842	+	GTGACCTATGCACCAGACGTGAACGCAGCAGGAGGTCAGCGGTTTGTGAGGACCCACAACAGATCGGAAGAGCGGTTCAG
chr16	89813309	89813348	FANCA_7843	+	GTGACCTATGCACCAGACGTGTTCAAGGCAGGTAAGAAAAGCCCACAGGAAGAGAGGCGAAGATCGGAAGAGCGGTTCAG
chr16	89815186	89815225	FANCA_7844	+	GTGACCTATGCACCAGACGTGGGGCTGTATTGGTGGCGACAGCACAGCGTACACTCTGCTAGATCGGAAGAGCGGTTCAG
chr16	89816321	89816360	FANCA_7845	+	GTGACCTATGCACCAGACGTGCAGTATGCTGGCACAGGAAGGCCTCGGGGCTCACTGCCCAGATCGGAAGAGCGGTTCAG
chr16	89818641	89818680	FANCA_7846	+	GTGACCTATGCACCAGACGTAATACAATAAAATCCTCCTCAGTATCGCCTAATAGTGCTGAGATCGGAAGAGCGGTTCAG
chr16	89825124	89825163	FANCA_7847	+	GTGACCTATGCACCAGACGTAAACACTGCTATCAATTCTGAGAAATGCTTCGTGGCCAGCAGATCGGAAGAGCGGTTCAG
chr16	89828441	89828480	FANCA_7848	+	GTGACCTATGCACCAGACGTGAGCAAGCAATTCAATACAATGAGGACAGAACACACAATCAGATCGGAAGAGCGGTTCAG
chr16	89831485	89831524	FANCA_7849	+	GTGACCTATGCACCAGACGTGAGTGACCCGGCCGTTTCTTCATTGCGCAAGTTTCACTGTAGATCGGAAGAGCGGTTCAG
chr16	89833656	89833695	FANCA_7850	+	GTGACCTATGCACCAGACGTAAATTATAACATATAAATGTAATCCATACAAAATAAGGGAAGATCGGAAGAGCGGTTCAG
chr16	89836443	89836482	FANCA_7851	+	GTGACCTATGCACCAGACGTAATGAGGGTGGCAGAGCAGACTGCCCTCTTCCAAGCTGGAAGATCGGAAGAGCGGTTCAG
chr16	89836678	89836717	FANCA_7852	+	GTGACCTATGCACCAGACGTAGCCGTGAAACCATCAGTACTAGCCATTCAGTCCTGCACAAGATCGGAAGAGCGGTTCAG
chr16	89837053	89837092	FANCA_7853	+	GTGACCTATGCACCAGACGTACAGTTCTCATGAGCGTGGTGTCCTGGGGACGGGAGCAGCAGATCGGAAGAGCGGTTCAG
chr16	89838233	89838272	FANCA_7854	+	GTGACCTATGCACCAGACGTAGAAACTAGTTAGGGATGACAAGAACCCCGAAAGGAGGGAAGATCGGAAGAGCGGTTCAG
chr16	89839803	89839842	FANCA_7855	+	GTGACCTATGCACCAGACGTAAGGAAGAAACCAGATGGAAAGACACTCAACAGGACTCTTAGATCGGAAGAGCGGTTCAG
chr16	89842234	89842273	FANCA_7856	+	GTGACCTATGCACCAGACGTGGAAAACAATACAATTAAGTCAGCTATGGCTTAAATTAATAGATCGGAAGAGCGGTTCAG
chr16	89845269	89845308	FANCA_7857	+	GTGACCTATGCACCAGACGTAGAAGAGACCTGTGAGAGACTGACAAGGAAAGTCCTTGCTAGATCGGAAGAGCGGTTCAG
chr16	89845422	89845461	FANCA_7858	+	GTGACCTATGCACCAGACGTGAGAAGCAGACAGTGCATCAGTCAGAGCAGCGAGAAGGCAAGATCGGAAGAGCGGTTCAG
chr16	89846376	89846415	FANCA_7859	+	GTGACCTATGCACCAGACGTTACAGGGAGGAAAGGAAAAAGAACAGAGGACTTTAAAGAAAGATCGGAAGAGCGGTTCAG
chr16	89849337	89849376	FANCA_7860	+	GTGACCTATGCACCAGACGTGACACAGAATGAGAACAAGAAAACAAAGCAGTTTCTGCTGAGATCGGAAGAGCGGTTCAG
chr16	89849521	89849560	FANCA_7861	+	GTGACCTATGCACCAGACGTATAGCAGAGCGCAGCACCGTTAGTCTGGGAACTGCCTGGGAGATCGGAAGAGCGGTTCAG
chr16	89851383	89851422	FANCA_7862	+	GTGACCTATGCACCAGACGTAGAAGAGCGTGAAGCCCAGGACAGCCAGGCGCGGCTGCACAGATCGGAAGAGCGGTTCAG
chr16	89857955	89857994	FANCA_7863	+	GTGACCTATGCACCAGACGTACCATGACATAGTCACAGCAAGGCAAGGGCAGCCAGCAGGAGATCGGAAGAGCGGTTCAG
chr16	89858487	89858526	FANCA_7864	+	GTGACCTATGCACCAGACGTAGCATCCGCTCCCTTCAATATCCAAGCAAACCAATGTGCGAGATCGGAAGAGCGGTTCAG
chr16	89858966	89859005	FANCA_7865	+	GTGACCTATGCACCAGACGTAGAAACAGACAAAAACTTCAAGTCAGAGATCAAAAAGTTGAGATCGGAAGAGCGGTTCAG
chr16	89862437	89862476	FANCA_7866	+	GTGACCTATGCACCAGACGTAGCAGAAAGAGGGGTCAGGAAAGGGAGGGTGCCTTGCACGAGATCGGAAGAGCGGTTCAG
chr16	89865498	89865537	FANCA_7867	+	GTGACCTATGCACCAGACGTTTAAAATATCTTGGCTCTTTAATTTGGCAGACACCTCCCTAGATCGGAAGAGCGGTTCAG
chr16	89865651	89865690	FANCA_7868	+	GTGACCTATGCACCAGACGTAGCCAGGAACAGAAAACAGATGTCAGCACACGGCGGCAGCAGATCGGAAGAGCGGTTCAG
chr16	89866057	89866096	FANCA_7869	+	GTGACCTATGCACCAGACGTAGAATGTGAGTTACCATCTTGGTAATCTTCTGTAATTTGTAGATCGGAAGAGCGGTTCAG
chr16	89869760	89869799	FANCA_7870	+	GTGACCTATGCACCAGACGTATAAAACCAAAGTTATTTATGGACATCATGGTCTCCAAGCAGATCGGAAGAGCGGTTCAG
chr16	89871811	89871850	FANCA_7871	+	GTGACCTATGCACCAGACGTACACAGAGGCAGACGTAAGGCTCAACTAAATCCCATCATCAGATCGGAAGAGCGGTTCAG
chr16	89877221	89877260	FANCA_7872	+	GTGACCTATGCACCAGACGTAGATTACATTTTTTAAAAAACAAATTACCTGAAACAATACAGATCGGAAGAGCGGTTCAG
chr16	89877490	89877529	FANCA_7873	+	GTGACCTATGCACCAGACGTAAACAAAACCATAGCTTTCTCTTAACACATGAGACAAAATAGATCGGAAGAGCGGTTCAG
chr16	89882405	89882444	FANCA_7874	+	GTGACCTATGCACCAGACGTAAGTCGGTTCGAAACCATCACAGCACAATTCACACACGGGAGATCGGAAGAGCGGTTCAG
chr16	89883034	89883073	FANCA_7875	+	GTGACCTATGCACCAGACGTCCTACAGCCCCGGCGGCGGCTCCCTGCGCCCGAGCCCGCGAGATCGGAAGAGCGGTTCAG
chr11	22647367	22647406	FANCF_7876	+	GTGACCTATGCACCAGACGTAAGGCCCTACTTCCGCTTTCACCTTGGAGACGGCGACTCTAGATCGGAAGAGCGGTTCAG
chr11	22646617	22646656	FANCF_7877	+	GTGACCTATGCACCAGACGTACTTCCGAATTCCCCAGAAGCCAGTGGACTAGCACTTGGCAGATCGGAAGAGCGGTTCAG
chr11	22646992	22647031	FANCF_7878	+	GTGACCTATGCACCAGACGTCGGACGCCCGGGCCGGGAAAGAGTTGCTGCACCAGGTGGTAGATCGGAAGAGCGGTTCAG
chr5	176516705	176516744	FGFR4_7879	+	GTGACCTATGCACCAGACGTTGAGGTGGGAGAGGGTGGCAGGGGTGGGAAGAGTGGGCACAGATCGGAAGAGCGGTTCAG
chr5	176517665	176517704	FGFR4_7880	+	GTGACCTATGCACCAGACGTCTAGCAGGGAGTGAAGGGATGCCTGGGGAGACAGACCTGCAGATCGGAAGAGCGGTTCAG
chr5	176517837	176517876	FGFR4_7881	+	GTGACCTATGCACCAGACGTCTCCAAGGACTTGTGTCCCCGCTGCTGCTCATCTGATCACAGATCGGAAGAGCGGTTCAG
chr5	176518116	176518155	FGFR4_7882	+	GTGACCTATGCACCAGACGTGGGTTCCAAGACCGTCTGCTCCCCCATTTTCATTCCTTCAAGATCGGAAGAGCGGTTCAG
chr5	176518820	176518859	FGFR4_7883	+	GTGACCTATGCACCAGACGTGGCTGGGAACAGGGGAGGCCTGACCCATTTTGGGCTCAGTAGATCGGAAGAGCGGTTCAG
chr5	176519523	176519562	FGFR4_7884	+	GTGACCTATGCACCAGACGTCACCCTGCTGCAGCCTGGGCCCCATTCTTCTCCCACCTTGAGATCGGAAGAGCGGTTCAG
chr5	176519796	176519835	FGFR4_7885	+	GTGACCTATGCACCAGACGTGAAGGGCCAGGAGATGCTGCGAGATGCCCCTCTGGGCCAGAGATCGGAAGAGCGGTTCAG
chr5	176520343	176520382	FGFR4_7886	+	GTGACCTATGCACCAGACGTCATCCCCCACCTCACATGTGACAGCCTGACTCCAGCAGGCAGATCGGAAGAGCGGTTCAG
chr5	176520563	176520602	FGFR4_7887	+	GTGACCTATGCACCAGACGTCTGTGTGGGGGCAGGGACGCGGGCGCCGGGTTGCAGCCCGAGATCGGAAGAGCGGTTCAG
chr5	176522452	176522491	FGFR4_7888	+	GTGACCTATGCACCAGACGTGGCGGGGCTGGCTGCACGGGCCGTTAGGGTGCAGAGCCAAAGATCGGAAGAGCGGTTCAG

chr5	176522735	176522774	FGFR4_7889	+	GTGACCTATGCACCAGACGTTAGGGCTCTGAGCCCCTCTCAGTCTCTCCAGCTCCACTCTAGATCGGAAGAGCGGTTCAG
chr5	176523191	176523230	FGFR4_7890	+	GTGACCTATGCACCAGACGTTGGGGCAGAACTGGATGGGGGTGGAGGGGCACTGGGCCCGAGATCGGAAGAGCGGTTCAG
chr5	176523369	176523408	FGFR4_7891	+	GTGACCTATGCACCAGACGTCCGGCGGTCACTGTCCTACCCCACAAAAAGGGCAAGGCACAGATCGGAAGAGCGGTTCAG
chr5	176523753	176523792	FGFR4_7892	+	GTGACCTATGCACCAGACGTACCCTGCCCTCGACCCCACTTTCCAGTCCTCCTCCTCCTCAGATCGGAAGAGCGGTTCAG
chr5	176524409	176524448	FGFR4_7893	+	GTGACCTATGCACCAGACGTTCCCACCCACCACCTCCCTCTGCCTGCTCCCCTCCAGGCCAGATCGGAAGAGCGGTTCAG
chr5	176524688	176524727	FGFR4_7894	+	GTGACCTATGCACCAGACGTAGGCTGTGCAGGCACATAGGCTGGTGGCCTTGGGCCTTGGAGATCGGAAGAGCGGTTCAG
chr13	28877516	28877555	FLT1_7895	+	GTGACCTATGCACCAGACGTAAAGGAAAGAAATCAAATATTCAAAATTGGTTTTTTAGAAAGATCGGAAGAGCGGTTCAG
chr13	28880920	28880959	FLT1_7896	+	GTGACCTATGCACCAGACGTAAGGAGAAAGGTTATACTCTTGCCTGGCCCAGCGGGGGTCAGATCGGAAGAGCGGTTCAG
chr13	28883075	28883114	FLT1_7897	+	GTGACCTATGCACCAGACGTAACAGAAAGAATTATCAAGACAGGAAAAGGCATCCAGCTCAGATCGGAAGAGCGGTTCAG
chr13	28885880	28885919	FLT1_7898	+	GTGACCTATGCACCAGACGTAAAGGTAGAGCTCTCGTTGCACCAATTCTGACTTCAACAAAGATCGGAAGAGCGGTTCAG
chr13	28886246	28886285	FLT1_7899	+	GTGACCTATGCACCAGACGTAAACAGCAACAGAAATAGTTGGAGAGCAGTGATCATCCTAAGATCGGAAGAGCGGTTCAG
chr13	28891745	28891784	FLT1_7900	+	GTGACCTATGCACCAGACGTCAATGTGGAAAACACAGGGCCTGTTATGGCTTAAGGGTACAGATCGGAAGAGCGGTTCAG
chr13	28893682	28893721	FLT1_7901	+	GTGACCTATGCACCAGACGTGCAAGGGGGCCTTGAGCAGAAGGGCATGAAAACAAAGCACAGATCGGAAGAGCGGTTCAG
chr13	28895733	28895772	FLT1_7902	+	GTGACCTATGCACCAGACGTACAGTTGCATAATCAATGCATTTCCTTAACCTAACCAACTAGATCGGAAGAGCGGTTCAG
chr13	28896507	28896546	FLT1_7903	+	GTGACCTATGCACCAGACGTTTAGAACCGTAACTGTTTGTAATGGCTCTTGTTATCCCACAGATCGGAAGAGCGGTTCAG
chr13	28897094	28897133	FLT1_7904	+	GTGACCTATGCACCAGACGTACCGAAAAGGACCCAGGTGAAAAGGAGCTCCAGCACAGCAAGATCGGAAGAGCGGTTCAG
chr13	28901698	28901737	FLT1_7905	+	GTGACCTATGCACCAGACGTAACAGCACATGCTCATGCTCAGCCACACCAAGCCAGTCAGAGATCGGAAGAGCGGTTCAG
chr13	28903876	28903915	FLT1_7906	+	GTGACCTATGCACCAGACGTAGCAAGGAAGAGTCAGGGCGACAGGACAATGGGGCTCCTTAGATCGGAAGAGCGGTTCAG
chr13	28908277	28908316	FLT1_7907	+	GTGACCTATGCACCAGACGTGAGAAGACACTGGTTTGTTTGCCGAGGCAATAGGGTGAGTAGATCGGAAGAGCGGTTCAG
chr13	28913448	28913487	FLT1_7908	+	GTGACCTATGCACCAGACGTAAGAGATCTCAAAGTCATCGAGAAGAAAACAACTTTACAAAGATCGGAAGAGCGGTTCAG
chr13	28919699	28919738	FLT1_7909	+	GTGACCTATGCACCAGACGTAAAAAATCACAATAGTGGTGCAACAAAGAAATTCCCAAACAGATCGGAAGAGCGGTTCAG
chr13	28931833	28931872	FLT1_7910	+	GTGACCTATGCACCAGACGTAGAGATGTTTAGATTAGTGGGCCTGGATGACAAACAAAAAAGATCGGAAGAGCGGTTCAG
chr13	28959179	28959218	FLT1_7911	+	GTGACCTATGCACCAGACGTAAGAAAGGGAGCTGTGATTACTCGTCAACTTTATTCTTGTAGATCGGAAGAGCGGTTCAG
chr13	28964252	28964291	FLT1_7912	+	GTGACCTATGCACCAGACGTAGAATAAAGAACTTCAGTTCACAGAAAAATCAGTGTCTTTAGATCGGAAGAGCGGTTCAG
chr13	28971216	28971255	FLT1_7913	+	GTGACCTATGCACCAGACGTAAAGGAAACTTTAGCTAGCAACAGGACAAATAACTAATTGAGATCGGAAGAGCGGTTCAG
chr13	28980042	28980081	FLT1_7914	+	GTGACCTATGCACCAGACGTAAAAAGTTGTCACAATGTGGCTTTACAGCATGGTTCAGTCAGATCGGAAGAGCGGTTCAG
chr13	29001466	29001505	FLT1_7915	+	GTGACCTATGCACCAGACGTGATGAAGAACGGGACAGAAGTCAAGAGCAGTTCTAATGACAGATCGGAAGAGCGGTTCAG
chr13	29002069	29002108	FLT1_7916	+	GTGACCTATGCACCAGACGTAAACATGATCAGTAAGTCATTTCACACGGCCTCTCAATATAGATCGGAAGAGCGGTTCAG
chr13	29004315	29004354	FLT1_7917	+	GTGACCTATGCACCAGACGTAGAAGTGATACATACATTAGAAAAGAATAATTTCCATAAAAGATCGGAAGAGCGGTTCAG
chr13	29005458	29005497	FLT1_7918	+	GTGACCTATGCACCAGACGTAATGTATAACAAATGTAGAAGGAGTGAGTGTTCATGCTTAAGATCGGAAGAGCGGTTCAG
chr13	29008103	29008142	FLT1_7919	+	GTGACCTATGCACCAGACGTAAGAGAGAAATTTTTTAAAATTAAGATTTCATTACACAGAAGATCGGAAGAGCGGTTCAG
chr13	29008368	29008407	FLT1_7920	+	GTGACCTATGCACCAGACGTAGAGGCATGCATTAACAAGGTCCTATTAGCACTGGTTGGCAGATCGGAAGAGCGGTTCAG
chr13	29012493	29012532	FLT1_7921	+	GTGACCTATGCACCAGACGTAGAAAATGAAAAAAATATATACATAAATGATTGACATGCAAGATCGGAAGAGCGGTTCAG
chr13	29041277	29041316	FLT1_7922	+	GTGACCTATGCACCAGACGTAGATAAGAAAACAAAACATATTTATGGCTGGGCCCTAGGCAGATCGGAAGAGCGGTTCAG
chr13	29041765	29041804	FLT1_7923	+	GTGACCTATGCACCAGACGTAATTTTTAAAATGTATTATTTGTAAATTGTCTTCTTACCTAGATCGGAAGAGCGGTTCAG
chr13	29068991	29069030	FLT1_7924	+	GTGACCTATGCACCAGACGTACGCGGCCTGCTCGCCCGGTGCCCGCGCTCCCCGCGGCCAAGATCGGAAGAGCGGTTCAG
chr13	41135008	41135047	FOXO1_7925	+	GTGACCTATGCACCAGACGTAAACATCTTATTAGAAGTACAATACTTCTCTGCTTGCAAAAGATCGGAAGAGCGGTTCAG
chr13	41240360	41240399	FOXO1_7926	+	GTGACCTATGCACCAGACGTGCCCCTCCCCCAGCCGCAGGAGAGCCAAGAGGGGGAGAACAGATCGGAAGAGCGGTTCAG
chr13	41134116	41134155	FOXO1_7927	+	GTGACCTATGCACCAGACGTCATGACCGAATTAGGGCCCATCATGACGTTCTGGCCCAGAAGATCGGAAGAGCGGTTCAG
chr13	41134562	41134601	FOXO1_7928	+	GTGACCTATGCACCAGACGTCCATCTTTGCGGCAGATGGCGGGTACACCATAGAATGCACAGATCGGAAGAGCGGTTCAG
chr15	66679776	66679815	MAP2K1_7929	+	GTGACCTATGCACCAGACGTGGCGGGCGGTGAACCTCGGGGCCCGGCTGGGGAGGCCCGAAGATCGGAAGAGCGGTTCAG
chr15	66727586	66727625	MAP2K1_7930	+	GTGACCTATGCACCAGACGTCTTGATTAACAGGTAATTGGATTATTTCTCAGGGTACTTAAGATCGGAAGAGCGGTTCAG
chr15	66729241	66729280	MAP2K1_7931	+	GTGACCTATGCACCAGACGTCCCTCTCAGCCTCTGGAGCAATGGCCTTAAGAGTTGGGTGAGATCGGAAGAGCGGTTCAG
chr15	66735706	66735745	MAP2K1_7932	+	GTGACCTATGCACCAGACGTTATGAAGTTTTTCTTCTAAGTTCCTCATTGATAAGTTAATAGATCGGAAGAGCGGTTCAG
chr15	66737056	66737095	MAP2K1_7933	+	GTGACCTATGCACCAGACGTATTTGCTAGTTATTTTGCTTTGAATTTTAGATATAATCCAAGATCGGAAGAGCGGTTCAG
chr15	66774228	66774267	MAP2K1_7934	+	GTGACCTATGCACCAGACGTAAGTTTCCATTGCTTGAGCTTCTTGTACGGTCAGGGAGAGAGATCGGAAGAGCGGTTCAG
chr15	66777540	66777579	MAP2K1_7935	+	GTGACCTATGCACCAGACGTTGGTGTGTCCCCATCTTGGACTGTTGGAGGGGAGGGTCCCAGATCGGAAGAGCGGTTCAG
chr15	66779641	66779680	MAP2K1_7936	+	GTGACCTATGCACCAGACGTCCTGGTTTCCTTCACCTTGGAATTTACTTGCTCATCTTAAAGATCGGAAGAGCGGTTCAG
chr15	66781625	66781664	MAP2K1_7937	+	GTGACCTATGCACCAGACGTTCCTTGTTCTCTGGAAGCGTATACTCTGGATTTGTCAGGCAGATCGGAAGAGCGGTTCAG
chr15	66782112	66782151	MAP2K1_7938	+	GTGACCTATGCACCAGACGTTTATTCCGGATTCTTACAGTACCTGTTTATTCATTTGTTCAGATCGGAAGAGCGGTTCAG
chr15	66782964	66783003	MAP2K1_7939	+	GTGACCTATGCACCAGACGTAGCAACAAAGAGCGAGTCCCCTGCCCGGTGGTTTGCCATGAGATCGGAAGAGCGGTTCAG
chr19	52693438	52693477	PPP2R1A_7940	+	GTGACCTATGCACCAGACGTTACGGGGGACTTGGGGAAGACGCGGAGGGGTACCTGGGGGAGATCGGAAGAGCGGTTCAG
chr19	52705298	52705337	PPP2R1A_7941	+	GTGACCTATGCACCAGACGTGGACCCCTGGGGCCCAGATGTGGGGACTCTTGGGAGGTGGAGATCGGAAGAGCGGTTCAG
chr19	52709327	52709366	PPP2R1A_7942	+	GTGACCTATGCACCAGACGTGGCAGGAAGTCCTCTTGCCCACCCCTTAGGGTCGGCCCATAGATCGGAAGAGCGGTTCAG
chr19	52714756	52714795	PPP2R1A_7943	+	GTGACCTATGCACCAGACGTGCCTCCTTGGAAGCTCCAAGCTCCCATCTCAGCTCCAACCAGATCGGAAGAGCGGTTCAG
chr19	52716097	52716136	PPP2R1A_7944	+	GTGACCTATGCACCAGACGTCTTCCTGGCCCTCTGCTCTCCCGTCCTTCTGGTGGTTCCTAGATCGGAAGAGCGGTTCAG
chr19	52716374	52716413	PPP2R1A_7945	+	GTGACCTATGCACCAGACGTGACCGTTGACATTGTCCCACTGGTGGGGACACTGACACTCAGATCGGAAGAGCGGTTCAG
chr19	52719157	52719196	PPP2R1A_7946	+	GTGACCTATGCACCAGACGTGCAGCCGGAACACAGCAAGTGGGGTGGGTATCCAAGGGGCAGATCGGAAGAGCGGTTCAG

chr19	52719338	52719377	PPP2R1A_7947	+	GTGACCTATGCACCAGACGTGTTTGATGGGAGGAACCAAGTGGATCCGAGCCTGCCAAAAAGATCGGAAGAGCGGTTCAG
chr19	52719927	52719966	PPP2R1A_7948	+	GTGACCTATGCACCAGACGTCAGGATCTCAGCTCTGGGTTTGTGGAGGGGACAGGCGGGTAGATCGGAAGAGCGGTTCAG
chr19	52723128	52723167	PPP2R1A_7949	+	GTGACCTATGCACCAGACGTAGGCCTGGGGGCCAGGCAGTGCTGCCTCAGGGGAGGTGCAAGATCGGAAGAGCGGTTCAG
chr19	52723513	52723552	PPP2R1A_7950	+	GTGACCTATGCACCAGACGTTCACAGGAGCAGCAAGAGGAGATGGGAGCTCCAGAAAGGCAGATCGGAAGAGCGGTTCAG
chr19	52724397	52724436	PPP2R1A_7951	+	GTGACCTATGCACCAGACGTCACCTGCCTGCTGGCCCATCCCTAGGGAACTGGAGCGCGTAGATCGGAAGAGCGGTTCAG
chr19	52725505	52725544	PPP2R1A_7952	+	GTGACCTATGCACCAGACGTGATACTCCCCCACACACTGGCAGGGGCTTCTTGTGGGCACAGATCGGAAGAGCGGTTCAG
chr19	52729072	52729111	PPP2R1A_7953	+	GTGACCTATGCACCAGACGTGAAAGCACGGAGCCCTAGCAGGAGGGTGGACTTTGAGGACAGATCGGAAGAGCGGTTCAG
chr19	52729245	52729284	PPP2R1A_7954	+	GTGACCTATGCACCAGACGTGGAGCAAACACTGGCCTCTGGTGTCCACCCTCCAACCCCCAGATCGGAAGAGCGGTTCAG
chr1	186643905	186643944	PTGS2_7955	+	GTGACCTATGCACCAGACGTGATGAAGACAGAGATACAACCAATGTCAAACTTCACAAAAAGATCGGAAGAGCGGTTCAG
chr1	186644539	186644578	PTGS2_7956	+	GTGACCTATGCACCAGACGTTAAAATTAGTTGTAAAACAAGAATTTTAGGCATATTTACTAGATCGGAAGAGCGGTTCAG
chr1	186645327	186645366	PTGS2_7957	+	GTGACCTATGCACCAGACGTAAAATAAATAATAAAAACATTTATTGCATCTGATCACAAGAGATCGGAAGAGCGGTTCAG
chr1	186646059	186646098	PTGS2_7958	+	GTGACCTATGCACCAGACGTATGAAAAAATTTTAATTTGTTGCTGTTGAAGTTTTTCTTAAGATCGGAAGAGCGGTTCAG
chr1	186646973	186647012	PTGS2_7959	+	GTGACCTATGCACCAGACGTAGAAAGCTAAGGTAAGAATCCATCTATGTATTCAAGAAAGAGATCGGAAGAGCGGTTCAG
chr1	186647547	186647586	PTGS2_7960	+	GTGACCTATGCACCAGACGTCAAAGAAAAAAATGTTTTATTTATTCTCATTTGTTAAGTAAGATCGGAAGAGCGGTTCAG
chr1	186648344	186648383	PTGS2_7961	+	GTGACCTATGCACCAGACGTACGAAGAAAGGGAGGGAGAAATTAATGGGACTCATTATAAAGATCGGAAGAGCGGTTCAG
chr1	186648581	186648620	PTGS2_7962	+	GTGACCTATGCACCAGACGTAGGACAGCAAATAAATCATTCTCTAGTGTCTTAATCTTAAAGATCGGAAGAGCGGTTCAG
chr1	186649433	186649472	PTGS2_7963	+	GTGACCTATGCACCAGACGTGGCAGGGCGCGGCGCGGGGGTAGGCTTTGCTGTCTGAGGGAGATCGGAAGAGCGGTTCAG
chr1	154936418	154936457	SHC1_7964	+	GTGACCTATGCACCAGACGTGGGAAGGAAGAAGGTCAATTCAGGTGAAGAGTCAAATAAGAGATCGGAAGAGCGGTTCAG
chr1	154938268	154938307	SHC1_7965	+	GTGACCTATGCACCAGACGTAGAGGGAGGGTGAGGGGAAGTAGCAGGCACAACACACACCAGATCGGAAGAGCGGTTCAG
chr1	154938564	154938603	SHC1_7966	+	GTGACCTATGCACCAGACGTAAGGGAGGCTCTACAGTGATCCCAGCCCTGCCTCCAACACAGATCGGAAGAGCGGTTCAG
chr1	154938567	154938606	SHC1_7967	+	GTGACCTATGCACCAGACGTGGAGGCTCTACAGTGATCCCAGCCCTGCCTCCAACACTCCAGATCGGAAGAGCGGTTCAG
chr1	154938718	154938757	SHC1_7968	+	GTGACCTATGCACCAGACGTAAAAATAAGGTGAGACCAGAAGCCCTAACCAACCACTCCCAGATCGGAAGAGCGGTTCAG
chr1	154939004	154939043	SHC1_7969	+	GTGACCTATGCACCAGACGTGGACAGTGAAGCTGTGGCTGTAAATGTGTGGTGGGCAGGAAGATCGGAAGAGCGGTTCAG
chr1	154940284	154940323	SHC1_7970	+	GTGACCTATGCACCAGACGTAGCAGAGGCTGTCAGTGAGCTGAGCCCACTGGGAGGAGGCAGATCGGAAGAGCGGTTCAG
chr1	154940518	154940557	SHC1_7971	+	GTGACCTATGCACCAGACGTAGGTCAAAAAATTTTACAGTTCTACTTTACTCCTGACCCCAGATCGGAAGAGCGGTTCAG
chr1	154940744	154940783	SHC1_7972	+	GTGACCTATGCACCAGACGTGGGCAGGGGATGAAGAAGGAAGGGAATGCCATGTGTCAGGAGATCGGAAGAGCGGTTCAG
chr1	154941101	154941140	SHC1_7973	+	GTGACCTATGCACCAGACGTGCCCAGGGTCTCAGAAGGTGAGGGTTCCCAGCACAGGCAAAGATCGGAAGAGCGGTTCAG
chr1	154941321	154941360	SHC1_7974	+	GTGACCTATGCACCAGACGTAGGGGTACTCAGACCCAGCGCCTGCCTGCCTGCCTCCCACAGATCGGAAGAGCGGTTCAG
chr1	154941935	154941974	SHC1_7975	+	GTGACCTATGCACCAGACGTGGAGAAGAGGACAGCAGGTCAGCGGCTCCCCCACCCCAGCAGATCGGAAGAGCGGTTCAG
chr1	154942683	154942722	SHC1_7976	+	GTGACCTATGCACCAGACGTAGGGGTAGGGGGCCTGAGTCTGGCATGGCTGCCCCTACGAAGATCGGAAGAGCGGTTCAG
chr1	154943013	154943052	SHC1_7977	+	GTGACCTATGCACCAGACGTAAAGAGGGGCTGCTGCCCAGCCTGGCCCCCCTGCCAGTTTAGATCGGAAGAGCGGTTCAG
chr2	1418285	1418324	TPO_7978	+	GTGACCTATGCACCAGACGTAACACATTGCGGTCTTCTGGCCTTATAAAGTTATTTTTCAAGATCGGAAGAGCGGTTCAG
chr2	1426912	1426951	TPO_7979	+	GTGACCTATGCACCAGACGTCGGAGGGGCCGCCGCCCCAAATGCCACCGACAGGCGCATCAGATCGGAAGAGCGGTTCAG
chr2	1437390	1437429	TPO_7980	+	GTGACCTATGCACCAGACGTCCCCTCTCCCCACTGAGGAGCGGCAACTCCCGAAGGAGGAAGATCGGAAGAGCGGTTCAG
chr2	1440167	1440206	TPO_7981	+	GTGACCTATGCACCAGACGTTGGATTTTCTTAATCTTCTCGTGAAAGTTGGATCTGAACAAGATCGGAAGAGCGGTTCAG
chr2	1457606	1457645	TPO_7982	+	GTGACCTATGCACCAGACGTAGAACGCTACTATCCTGGACTAAGATTGGGTCCTGTGATGAGATCGGAAGAGCGGTTCAG
chr2	1460065	1460104	TPO_7983	+	GTGACCTATGCACCAGACGTGAAAACGTTTCTATGTTTGTTATGAAACTAAGTGCTATTTAGATCGGAAGAGCGGTTCAG
chr2	1481387	1481426	TPO_7984	+	GTGACCTATGCACCAGACGTTGGTCCTGGGCGCCCTGGGTGGCTGCGGGCAAAGCGGGGGAGATCGGAAGAGCGGTTCAG
chr2	1491774	1491813	TPO_7985	+	GTGACCTATGCACCAGACGTTCCTTCCCTTGCACACCTCATGCAGCTGCTGCGGGATTTGAGATCGGAAGAGCGGTTCAG
chr2	1497822	1497861	TPO_7986	+	GTGACCTATGCACCAGACGTATCCAGAGCGTCTTCCTTCACGTTCTGCACAGAGGCAGGTAGATCGGAAGAGCGGTTCAG
chr2	1499980	1500019	TPO_7987	+	GTGACCTATGCACCAGACGTGTCTCCTCTCACACCACGTTACAGCACGTGCATCTCATCAAGATCGGAAGAGCGGTTCAG
chr2	1500548	1500587	TPO_7988	+	GTGACCTATGCACCAGACGTTCTTCAATGACAATTACAAAACATCTGAATGTTTCCGATAAGATCGGAAGAGCGGTTCAG
chr2	1507862	1507901	TPO_7989	+	GTGACCTATGCACCAGACGTTCCCCTCTCTCTCTGTCCGTCCATTTGCGAGTTTTTGTAAAGATCGGAAGAGCGGTTCAG
chr2	1520765	1520804	TPO_7990	+	GTGACCTATGCACCAGACGTCACTTTTTGACTGTTACTTAGACACAAAGCAATCTCCTTTAGATCGGAAGAGCGGTTCAG
chr2	1544506	1544545	TPO_7991	+	GTGACCTATGCACCAGACGTCCATGCCGCATGTTTCCAGCTGCCACCGCAGTGGTTGGACAGATCGGAAGAGCGGTTCAG
chr2	1546257	1546296	TPO_7992	+	GTGACCTATGCACCAGACGTGCAGGACACTGCAGAACAGCTTCATGTTCCCAAAATCACCAGATCGGAAGAGCGGTTCAG
chr2	1481127	1481166	TPO_7993	+	GTGACCTATGCACCAGACGTCCTGCCCTTCGTGCCGCCACGCGCGCCTGCGGCCTGTGCGAGATCGGAAGAGCGGTTCAG
chr9	100437880	100437919	XPA_7994	+	GTGACCTATGCACCAGACGTAATTTTAAAGTCATCTTTTCAGTGGTGCTATTCAGGTGAAAGATCGGAAGAGCGGTTCAG
chr9	100447333	100447372	XPA_7995	+	GTGACCTATGCACCAGACGTAAATCCATATTTAAATAAGTTGTGATTCAGACTTGCGAAAAGATCGGAAGAGCGGTTCAG
chr9	100449554	100449593	XPA_7996	+	GTGACCTATGCACCAGACGTATTAAGTCCATTATATAAATTAGTTATTTTAAATAAGCTAAGATCGGAAGAGCGGTTCAG
chr9	100451932	100451971	XPA_7997	+	GTGACCTATGCACCAGACGTGAAAATGAACTCTAGTTTCCTTTTTTATGACTAGAACAATAGATCGGAAGAGCGGTTCAG
chr9	100456052	100456091	XPA_7998	+	GTGACCTATGCACCAGACGTAAGTAAAAGCAGTCAACAATTGAAGTAGGTAAGCCTGTATAGATCGGAAGAGCGGTTCAG
chr9	100459585	100459624	XPA_7999	+	GTGACCTATGCACCAGACGTCTCCGAGGACCTAGCTCCCAGCTCCACGCACGCGCACTGCAGATCGGAAGAGCGGTTCAG
chr3	14187670	14187709	XPC_8000	+	GTGACCTATGCACCAGACGTGGCAGTGGTGGGAGGACACAGGCGAGGGTTAGTAATCAGAAGATCGGAAGAGCGGTTCAG
chr3	14188890	14188929	XPC_8001	+	GTGACCTATGCACCAGACGTAAATGAAGTGGGAGAAAAGTGTTAAGCACTGACATTTTCAAGATCGGAAGAGCGGTTCAG
chr3	14189512	14189551	XPC_8002	+	GTGACCTATGCACCAGACGTACAACGCGATGTCAACCCTCGAACCTGCTGCCTGCTCTGCAGATCGGAAGAGCGGTTCAG
chr3	14190242	14190281	XPC_8003	+	GTGACCTATGCACCAGACGTTGAGCAAGTCAGCATTTGGCCAGCAGGGGAACAAGGCGGCAGATCGGAAGAGCGGTTCAG
chr3	14190459	14190498	XPC_8004	+	GTGACCTATGCACCAGACGTGGACACGGCCACCGTTTACAACAAAGGCATCCAGTTCCTCAGATCGGAAGAGCGGTTCAG

chr3	14193927	14193966	XPC_8005	+	GTGACCTATGCACCAGACGTAACACAGGACACAAAGGTAACTCAGTCCACAGCCCCACTGAGATCGGAAGAGCGGTTCAG
chr3	14198006	14198045	XPC_8006	+	GTGACCTATGCACCAGACGTCAGACAGACAAGGTTGAGCATGTTATTTAGAAGAGGAAATAGATCGGAAGAGCGGTTCAG
chr3	14200403	14200442	XPC_8007	+	GTGACCTATGCACCAGACGTATAAGAAATTTTGCTTTTTTTTCTCCCCCCTCTTTTGCTAAGATCGGAAGAGCGGTTCAG
chr3	14206444	14206483	XPC_8008	+	GTGACCTATGCACCAGACGTAGCAGGCATTCCTTGTGTCAGAGGTCAGGGCAAAGGGGAAAGATCGGAAGAGCGGTTCAG
chr3	14207096	14207135	XPC_8009	+	GTGACCTATGCACCAGACGTGAAAGGAGGAAGGGGCAGCATGGAAGGAAGGCCGGACACCAGATCGGAAGAGCGGTTCAG
chr3	14208764	14208803	XPC_8010	+	GTGACCTATGCACCAGACGTTAGTGAAAAATCTGGGAATGAAGGGGGGAACTGAAACCAGAGATCGGAAGAGCGGTTCAG
chr3	14209787	14209826	XPC_8011	+	GTGACCTATGCACCAGACGTGTTTCAATCTCTATCTCCACTGGCTTCACAGGCAGAAGAGAGATCGGAAGAGCGGTTCAG
chr3	14209891	14209930	XPC_8012	+	GTGACCTATGCACCAGACGTGCATTTTTAAAAATCAGTAATAGTAATAACAATAATAATAAGATCGGAAGAGCGGTTCAG
chr3	14212061	14212100	XPC_8013	+	GTGACCTATGCACCAGACGTACCACAGGAAGGAAGATGAAGAAGACTCAGACATCCTAGTAGATCGGAAGAGCGGTTCAG
chr3	14214573	14214612	XPC_8014	+	GTGACCTATGCACCAGACGTACACAGAACATAAGGTGAGGGGTGGAAGGAAAGGTGGAGGAGATCGGAAGAGCGGTTCAG
chr3	14220079	14220118	XPC_8015	+	GTGACCTATGCACCAGACGTTGGGCAAATTCCACTTCGCGAGTGACGCACCCGGCCGCGAAGATCGGAAGAGCGGTTCAG
chr3	14199962	14200001	XPC_8016	+	GTGACCTATGCACCAGACGTTGAGGAGCGGGGGCTTTCCTCTGCTTTGGAGGGCCAGGTTAGATCGGAAGAGCGGTTCAG
chr6	69349335	69349374	BAI3_8017	+	GTGACCTATGCACCAGACGTAAGAGAGGGGAAGGTGAGCGGGGGAGCACTTTTGGGGGATAGATCGGAAGAGCGGTTCAG
chr6	69640572	69640611	BAI3_8018	+	GTGACCTATGCACCAGACGTAGTTACATTTTTCTATTTATTGTTGTTAATTTAATGAAACAGATCGGAAGAGCGGTTCAG
chr6	69646583	69646622	BAI3_8019	+	GTGACCTATGCACCAGACGTCAGCAACTACAACTGTGGATGTTATTGAATTGTGTCATGCAGATCGGAAGAGCGGTTCAG
chr6	69653897	69653936	BAI3_8020	+	GTGACCTATGCACCAGACGTTCTGCATTTGGTTATGTTTGCATTATGTGCTTTTTATATGAGATCGGAAGAGCGGTTCAG
chr6	69666091	69666130	BAI3_8021	+	GTGACCTATGCACCAGACGTATTCCTGCATATCATGGGCACTCGTACCATGTAAAGGGCAAGATCGGAAGAGCGGTTCAG
chr6	69666712	69666751	BAI3_8022	+	GTGACCTATGCACCAGACGTACCCAAATTATCCCAAAAGAAACATTTCATAACGTGAAAAAGATCGGAAGAGCGGTTCAG
chr6	69684767	69684806	BAI3_8023	+	GTGACCTATGCACCAGACGTATGACCCACCCAAACCCTAGTGATAATCCCCATCCAAGAAAGATCGGAAGAGCGGTTCAG
chr6	69685243	69685282	BAI3_8024	+	GTGACCTATGCACCAGACGTAGCCAGCTTTAGTACTTGCTCTGTTTATTTTTTGCTAATGAGATCGGAAGAGCGGTTCAG
chr6	69703865	69703904	BAI3_8025	+	GTGACCTATGCACCAGACGTCAAGTTCGTGAAGGAAAGGGCTAGTGAAGATGCAATCAGTAGATCGGAAGAGCGGTTCAG
chr6	69724009	69724048	BAI3_8026	+	GTGACCTATGCACCAGACGTGGTTATTTCAGAACTTGAAGTTGGCAAAACAAAGTGTAAAAGATCGGAAGAGCGGTTCAG
chr6	69728402	69728441	BAI3_8027	+	GTGACCTATGCACCAGACGTGGATTTTCCCCCAAAATCTTTCTGAAATAAAAAAAAATTGAGATCGGAAGAGCGGTTCAG
chr6	69758237	69758276	BAI3_8028	+	GTGACCTATGCACCAGACGTGAAATAATATGAGCTTGAACAAGACATTTTTGATAAGGTCAGATCGGAAGAGCGGTTCAG
chr6	69759249	69759288	BAI3_8029	+	GTGACCTATGCACCAGACGTAAGTAATAAACTGTTGTAATTTTGTAAATTATTCCAAAATAGATCGGAAGAGCGGTTCAG
chr6	69772939	69772978	BAI3_8030	+	GTGACCTATGCACCAGACGTTCCACTGGGCACTGACTTGCTTATGGAATTACCTTTCTAAAGATCGGAAGAGCGGTTCAG
chr6	69785941	69785980	BAI3_8031	+	GTGACCTATGCACCAGACGTGATGTTTTCCTACATTACTTTGGGCTAAATTTTCAAAGCAAGATCGGAAGAGCGGTTCAG
chr6	69943319	69943358	BAI3_8032	+	GTGACCTATGCACCAGACGTAAGGGAAAACACGGCTTTAACGCAAAGACAGGGATATTGTAGATCGGAAGAGCGGTTCAG
chr6	69945038	69945077	BAI3_8033	+	GTGACCTATGCACCAGACGTAATTGATAGACCTGAAATGCAATGCTTAGTTGTTCATAGTAGATCGGAAGAGCGGTTCAG
chr6	69949129	69949168	BAI3_8034	+	GTGACCTATGCACCAGACGTTAATTATTCTGATTCTTTTTTTGTGTTTATATTTTGGCATAGATCGGAAGAGCGGTTCAG
chr6	70034925	70034964	BAI3_8035	+	GTGACCTATGCACCAGACGTTGATATACCGTTTCATGCTCTTCTCAAAATGACGTTGAACAGATCGGAAGAGCGGTTCAG
chr6	70037792	70037831	BAI3_8036	+	GTGACCTATGCACCAGACGTCCACAGAGATAAATCATGTTTATAATTTAACAAATCATCAAGATCGGAAGAGCGGTTCAG
chr6	70040475	70040514	BAI3_8037	+	GTGACCTATGCACCAGACGTAAATCAACCTATTTTGTTTTCTTAGGAAAAAAAAAAAAGAAGATCGGAAGAGCGGTTCAG
chr6	70042911	70042950	BAI3_8038	+	GTGACCTATGCACCAGACGTATTGGTGGATTTTGAAGGTTATTTATCAGTGAATCCCATAAGATCGGAAGAGCGGTTCAG
chr6	70048917	70048956	BAI3_8039	+	GTGACCTATGCACCAGACGTATCATTTACATCTTCTTGTTACAAATCTTTTACAGTGCATAGATCGGAAGAGCGGTTCAG
chr6	70049407	70049446	BAI3_8040	+	GTGACCTATGCACCAGACGTTTCTTGTGATAGAGAACAGTGATGGTTGGAATGGTATTTCAGATCGGAAGAGCGGTTCAG
chr6	70064231	70064270	BAI3_8041	+	GTGACCTATGCACCAGACGTATTTTTCCCCGATTGTTAATTAACTCATGATTTCTCAAGGAGATCGGAAGAGCGGTTCAG
chr6	70065763	70065802	BAI3_8042	+	GTGACCTATGCACCAGACGTTTAGATTTTGAAATCTAATCAGTAGGGATGTTCAATCATTAGATCGGAAGAGCGGTTCAG
chr6	70071415	70071454	BAI3_8043	+	GTGACCTATGCACCAGACGTGAAGATTAAATTTTTCCTTGATAGTTGAAATATGAATAGAAGATCGGAAGAGCGGTTCAG
chr6	70082344	70082383	BAI3_8044	+	GTGACCTATGCACCAGACGTATGAATTATTTTAGAATTGTAATTACTTGAATTCAAAATAAGATCGGAAGAGCGGTTCAG
chr6	70092838	70092877	BAI3_8045	+	GTGACCTATGCACCAGACGTTTTGCTTCAATGCCTGAGTAGAAGATGCATCATGTCAGATAGATCGGAAGAGCGGTTCAG
chr6	70098794	70098833	BAI3_8046	+	GTGACCTATGCACCAGACGTATGGACTAAGGTAGAGACAAAACTTTATTGCACTGACACTAGATCGGAAGAGCGGTTCAG
chr6	69348956	69348995	BAI3_8047	+	GTGACCTATGCACCAGACGTTACGTCGAGTATTTCCAACTAATTTCCCAGGATTACAGAAAGATCGGAAGAGCGGTTCAG
chr6	70071093	70071132	BAI3_8048	+	GTGACCTATGCACCAGACGTGTGATGCCCAGAAGTTCTGTAAATAACCAGCCTTCAATGAAGATCGGAAGAGCGGTTCAG
chr2	215593743	215593782	BARD1_8049	+	GTGACCTATGCACCAGACGTGAGAAAACATTTGTTAAAGGCAGATCAAAATACTGTATTCAGATCGGAAGAGCGGTTCAG
chr2	215595243	215595282	BARD1_8050	+	GTGACCTATGCACCAGACGTCACAAGAATTAAAGCAAACTAAGTATCAAGTGAGCACTATAGATCGGAAGAGCGGTTCAG
chr2	215609894	215609933	BARD1_8051	+	GTGACCTATGCACCAGACGTAAAAAAGCAGTAAGAGAAAGAAAGATACAAGCCAAAGTATAGATCGGAAGAGCGGTTCAG
chr2	215610589	215610628	BARD1_8052	+	GTGACCTATGCACCAGACGTAAAAGGAGATACCAGTGTTAAAAACATTAGACGACTAGACAGATCGGAAGAGCGGTTCAG
chr2	215617290	215617329	BARD1_8053	+	GTGACCTATGCACCAGACGTAAGTGCAGATGTGTTTAAGTAAGTCAAATGTGTGACTCGAAGATCGGAAGAGCGGTTCAG
chr2	215632389	215632428	BARD1_8054	+	GTGACCTATGCACCAGACGTTTTTTGAAAAAGAAGTGAAAGAAGTGATAAGAAAGAGCAAAGATCGGAAGAGCGGTTCAG
chr2	215634047	215634086	BARD1_8055	+	GTGACCTATGCACCAGACGTGAACAAAACGGAAATTAAAAAGCATTAAGGAAAGAAAGGAAGATCGGAAGAGCGGTTCAG
chr2	215646244	215646283	BARD1_8056	+	GTGACCTATGCACCAGACGTAAAAGAAAAAGAAATCTGTTACATGAAATTTATTGCTCCCAGATCGGAAGAGCGGTTCAG
chr2	215661852	215661891	BARD1_8057	+	GTGACCTATGCACCAGACGTAAATTAAAACAATCAAGATTTGAGTCATTGTTAGATAAACAGATCGGAAGAGCGGTTCAG
chr2	215674304	215674343	BARD1_8058	+	GTGACCTATGCACCAGACGTTCGGATGAAAGGCTCCTCGCAGAGCGGGAAGCAAGGAAGCAGATCGGAAGAGCGGTTCAG
chr2	215645769	215645808	BARD1_8059	+	GTGACCTATGCACCAGACGTCAGTTAAACTTCCAAAACATTCAGATTCTGTCAAGGAGCCAGATCGGAAGAGCGGTTCAG
chr18	60796003	60796042	BCL2_8060	+	GTGACCTATGCACCAGACGTGGGAGAGGAGGGAAGAAAAAGAAAGAGTATTAGAGAGAGAAGATCGGAAGAGCGGTTCAG
chr18	60985910	60985949	BCL2_8061	+	GTGACCTATGCACCAGACGTGGAAAAGCAACGGGGGCCAACGGCACCTCTCGCCCCAGCTAGATCGGAAGAGCGGTTCAG
chr18	60985601	60985640	BCL2_8062	+	GTGACCTATGCACCAGACGTGCCTGGCGGAGGGTCAGGTGGACCACAGGTGGCACCGGGCAGATCGGAAGAGCGGTTCAG

chr19	11015763	11015802	CARM1_8063	+	GTGACCTATGCACCAGACGTCTCCTTCCATTCCGGTGACACCAGCCCAAAGCGCCCAGAGAGATCGGAAGAGCGGTTCAG
chr19	11018832	11018871	CARM1_8064	+	GTGACCTATGCACCAGACGTCTCCCCTCAGCCAGGCCGCCTCCCCCGGCAGCCCCCCTAGATCGGAAGAGCGGTTCAG
chr19	11019894	11019933	CARM1_8065	+	GTGACCTATGCACCAGACGTCGCGCATGTGCCCACCTCTCTGCTTCTGTCTCGGTTTTTTAGATCGGAAGAGCGGTTCAG
chr19	11022981	11023020	CARM1_8066	+	GTGACCTATGCACCAGACGTCGCTGGTGCCCACCCAGCCTCGTCCTCGCCCATGAGTGCCAGATCGGAAGAGCGGTTCAG
chr19	11024741	11024780	CARM1_8067	+	GTGACCTATGCACCAGACGTGGGGGTACACAGGCCAGGCCCCTCGGTGGAGGCCCTGGCTAGATCGGAAGAGCGGTTCAG
chr19	11027184	11027223	CARM1_8068	+	GTGACCTATGCACCAGACGTCCTGGGTGTCCCGCCTGGGCCCCACAGCCTGCCTTCTCAGAGATCGGAAGAGCGGTTCAG
chr19	11030653	11030692	CARM1_8069	+	GTGACCTATGCACCAGACGTCAGAGCAGCCCATGCTGCCTCCTCCCCACTCCCAGGGCTTAGATCGGAAGAGCGGTTCAG
chr19	11031260	11031299	CARM1_8070	+	GTGACCTATGCACCAGACGTTCCCTGGGGCTGGTGGTGGTGGGCAGGGGTCCATCTGCCCAGATCGGAAGAGCGGTTCAG
chr19	11031435	11031474	CARM1_8071	+	GTGACCTATGCACCAGACGTCCCCTTGCCTGCACAGGGGGGCGCCCCGGCCCTGCAACCCAGATCGGAAGAGCGGTTCAG
chr19	11031633	11031672	CARM1_8072	+	GTGACCTATGCACCAGACGTCCCACCCCAATGCCCAGCCAACCCGGGAGGCCGCCCTCGCAGATCGGAAGAGCGGTTCAG
chr19	11031814	11031853	CARM1_8073	+	GTGACCTATGCACCAGACGTCCCAGGGCCAGGGGCAGCAGGGAGCCATGCCCAGGACTGCAGATCGGAAGAGCGGTTCAG
chr19	11032130	11032169	CARM1_8074	+	GTGACCTATGCACCAGACGTTGGCGGGGGCAGGGCCCGTGGGGGCCGAGCTAGCGTGTGAAGATCGGAAGAGCGGTTCAG
chr12	56360919	56360958	CDK2_8075	+	GTGACCTATGCACCAGACGTTCTGTACCCGGGACTCCTAACTGGGGACCTCCTTGATTGTAGATCGGAAGAGCGGTTCAG
chr12	56361729	56361768	CDK2_8076	+	GTGACCTATGCACCAGACGTGTCTGAGAGGTGATCCAGCTGGAAAGGAGGATAAGTTCTGAGATCGGAAGAGCGGTTCAG
chr12	56361964	56362003	CDK2_8077	+	GTGACCTATGCACCAGACGTTCATCAGCTCCTCTCATCATGGGCATGTCTTGGGGGACTGAGATCGGAAGAGCGGTTCAG
chr12	56362743	56362782	CDK2_8078	+	GTGACCTATGCACCAGACGTTTATGTCTTTTTTCTCTGAGCTTCCCAAGAGGTGTTAACTAGATCGGAAGAGCGGTTCAG
chr12	56363371	56363410	CDK2_8079	+	GTGACCTATGCACCAGACGTTTGCCCAAGTTCCACCCAGCCCCCTCCCTCTCCTCCCCACAGATCGGAAGAGCGGTTCAG
chr12	56365042	56365081	CDK2_8080	+	GTGACCTATGCACCAGACGTGCACCTGTTTTCCCTCATTCATTTCTCCCAGGGAAGGGCTAGATCGGAAGAGCGGTTCAG
chr12	56365420	56365459	CDK2_8081	+	GTGACCTATGCACCAGACGTGAAGCCCCCAGCCCTAATCTCACCCTCTCCTCCAGTGTGGAGATCGGAAGAGCGGTTCAG
chr22	47083114	47083153	CERK_8082	+	GTGACCTATGCACCAGACGTAAGCGGCCACGTGTAAACCCCACGTGTCCCTCACTCAAAGAGATCGGAAGAGCGGTTCAG
chr22	47086108	47086147	CERK_8083	+	GTGACCTATGCACCAGACGTACAGTGAGAGGGACCATTCAGCTCTAAACGTCATCGTCTGAGATCGGAAGAGCGGTTCAG
chr22	47087685	47087724	CERK_8084	+	GTGACCTATGCACCAGACGTAAGAACCACGGAGATGTCACAGTTACAATGGCGCCGGGCAAGATCGGAAGAGCGGTTCAG
chr22	47089411	47089450	CERK_8085	+	GTGACCTATGCACCAGACGTAGAATATCATCACCTTTTAAATATGGAGCTGCAGGTGCAGAGATCGGAAGAGCGGTTCAG
chr22	47091223	47091262	CERK_8086	+	GTGACCTATGCACCAGACGTAGTGCAGTGAAGAAAAAACATCCACAAGGGTCATTGCTTGAGATCGGAAGAGCGGTTCAG
chr22	47095373	47095412	CERK_8087	+	GTGACCTATGCACCAGACGTGAACGGCCGTGAGGGAAGGCAGCCCCCCTCCAGCCCCGCCAGATCGGAAGAGCGGTTCAG
chr22	47097618	47097657	CERK_8088	+	GTGACCTATGCACCAGACGTAAAAAGAAGGTCCCAAATAGCATCAGAATAACAGAATTGTAGATCGGAAGAGCGGTTCAG
chr22	47103896	47103935	CERK_8089	+	GTGACCTATGCACCAGACGTAACACAGCCGGTCAGGGCTCCTGCAGGTGCGGCCCTCTGAAGATCGGAAGAGCGGTTCAG
chr22	47107057	47107096	CERK_8090	+	GTGACCTATGCACCAGACGTAAATTACATCACACAGTTTATATTCACATCTGTGAGTCCTAGATCGGAAGAGCGGTTCAG
chr22	47108201	47108240	CERK_8091	+	GTGACCTATGCACCAGACGTACAACATGTAAATAACAACGAAAATAACAAAATCAAAACGAGATCGGAAGAGCGGTTCAG
chr22	47116116	47116155	CERK_8092	+	GTGACCTATGCACCAGACGTGCAAGCATGCTCGTTAGTGCAAAGTTTGCAGGGTCACTGAAGATCGGAAGAGCGGTTCAG
chr22	47116923	47116962	CERK_8093	+	GTGACCTATGCACCAGACGTACCACGTCCTTCTGTCAAAGAATTCGTCAGAATCCACACAAGATCGGAAGAGCGGTTCAG
chr22	47134056	47134095	CERK_8094	+	GTGACCTATGCACCAGACGTGGGCTCGTCCGCCAGGCTGGGGGCGCGCGGACGCCGAGGGAGATCGGAAGAGCGGTTCAG
chr11	46355048	46355087	DGKZ_8095	+	GTGACCTATGCACCAGACGTCGTGGGCAGAGGGGAGCGCGGCGCTTGGGACCACCCCTCTAGATCGGAAGAGCGGTTCAG
chr11	46367146	46367185	DGKZ_8096	+	GTGACCTATGCACCAGACGTGGGGTGGCCTGGGAGTGGGCATGGGACCTCTGTCCCTCTAAGATCGGAAGAGCGGTTCAG
chr11	46369381	46369420	DGKZ_8097	+	GTGACCTATGCACCAGACGTCGGCGGCGGGGCAGGCACCGAGGCACCGGCAGGTTACCGCAGATCGGAAGAGCGGTTCAG
chr11	46388545	46388584	DGKZ_8098	+	GTGACCTATGCACCAGACGTCTGTGGCCAGCAGGGCGAGTGGTGTGACCTCCTGTGGGTCAGATCGGAAGAGCGGTTCAG
chr11	46388960	46388999	DGKZ_8099	+	GTGACCTATGCACCAGACGTGAACACCCCTGGGTCCCAGACCCTCTGGGCTCTTGGCCAAAGATCGGAAGAGCGGTTCAG
chr11	46389308	46389347	DGKZ_8100	+	GTGACCTATGCACCAGACGTGTAGGGGCACGCCGCCCCCTGCTGGTGGAGCCAGTAGCCGAGATCGGAAGAGCGGTTCAG
chr11	46389640	46389679	DGKZ_8101	+	GTGACCTATGCACCAGACGTAGCTCAGCTTTGCCCGCCCCTGCCCTTTGGGTGCTGAGGCAGATCGGAAGAGCGGTTCAG
chr11	46391111	46391150	DGKZ_8102	+	GTGACCTATGCACCAGACGTAGGGTGGTCAGGGATGGGGCCACCCTAAGATTCCTGCATGAGATCGGAAGAGCGGTTCAG
chr11	46391570	46391609	DGKZ_8103	+	GTGACCTATGCACCAGACGTCTGCCCGAGGACATCGCCACCTGCACCTGCGGTCCTGAGCAGATCGGAAGAGCGGTTCAG
chr11	46392945	46392984	DGKZ_8104	+	GTGACCTATGCACCAGACGTCCCCCGCCCCCAGGGCCAGGCCCTGCACTGCTGGGTTTGGAGATCGGAAGAGCGGTTCAG
chr11	46393164	46393203	DGKZ_8105	+	GTGACCTATGCACCAGACGTCCTGCACCCTTGATGCCCCGTACGCACTTGGGGTCTGCCAAGATCGGAAGAGCGGTTCAG
chr11	46393336	46393375	DGKZ_8106	+	GTGACCTATGCACCAGACGTGGCTGGGCAGAGGCTGCAGGGGAGCAGGAGAGAGGGGTCTAGATCGGAAGAGCGGTTCAG
chr11	46393731	46393770	DGKZ_8107	+	GTGACCTATGCACCAGACGTCCTTGCCTCTCAGCTAAGGGCTCGGGCGGGGGTTGGGGTCAGATCGGAAGAGCGGTTCAG
chr11	46394071	46394110	DGKZ_8108	+	GTGACCTATGCACCAGACGTGCCAAGGTTTTGTGGGGGACATGGGGGGGAACTTGCCTCAAGATCGGAAGAGCGGTTCAG
chr11	46394238	46394277	DGKZ_8109	+	GTGACCTATGCACCAGACGTCGCATGGGCCAGCCGAGCACCAGGGCTGGGCCTGAAGCCGAGATCGGAAGAGCGGTTCAG
chr11	46394445	46394484	DGKZ_8110	+	GTGACCTATGCACCAGACGTATAGGAGGGGGGTGCAGCTGGGGCCTCTCCAGCCACAGAGAGATCGGAAGAGCGGTTCAG
chr11	46395796	46395835	DGKZ_8111	+	GTGACCTATGCACCAGACGTTCCCACTGAGGCCAGGGCAGGGTGGGCACAGGAGTGTCCCAGATCGGAAGAGCGGTTCAG
chr11	46396015	46396054	DGKZ_8112	+	GTGACCTATGCACCAGACGTTCTGCACCCCCGCCTGTGCCCACCTCTTCTACCACCCGTGAGATCGGAAGAGCGGTTCAG
chr11	46396227	46396266	DGKZ_8113	+	GTGACCTATGCACCAGACGTCCAGGCTGCCGTGGGTGGGTGGGCCGGAAGGGAGGGAGGCAGATCGGAAGAGCGGTTCAG
chr11	46396400	46396439	DGKZ_8114	+	GTGACCTATGCACCAGACGTGGCTACCGGAGCTGGGGGGAGCCCTGCTGTCCTTGTCCTGAGATCGGAAGAGCGGTTCAG
chr11	46396606	46396645	DGKZ_8115	+	GTGACCTATGCACCAGACGTCCTGGGCCCATGGTGCCTGGGAGCACAGCCCAAAGGTGGAAGATCGGAAGAGCGGTTCAG
chr11	46397512	46397551	DGKZ_8116	+	GTGACCTATGCACCAGACGTTGGGGCGGCCTGGCAGGGTGGCCAGGAGGGGCTGAAGCAGAGATCGGAAGAGCGGTTCAG
chr11	46397706	46397745	DGKZ_8117	+	GTGACCTATGCACCAGACGTGGGGCTTCCCCAGGTGCCCACCGAGAGGGTGGTGGGAAGTAGATCGGAAGAGCGGTTCAG
chr11	46397958	46397997	DGKZ_8118	+	GTGACCTATGCACCAGACGTTCCCAGGGTGCCAAGCTGTTTCGTGTTCCCTCCCTAGGGGAGATCGGAAGAGCGGTTCAG
chr11	46398125	46398164	DGKZ_8119	+	GTGACCTATGCACCAGACGTGCAGGCCTGCTCCAGCCACAGCTGCTTCCGGGCCCCAGGGAGATCGGAAGAGCGGTTCAG
chr11	46399790	46399829	DGKZ_8120	+	GTGACCTATGCACCAGACGTTCCCTCTGGGGCCCCTCCTTTCTGCCTGGTTGGGGGCAGGAGATCGGAAGAGCGGTTCAG

chr11	46400061	46400100	DGKZ_8121	+	GTGACCTATGCACCAGACGTCAGGCTCCAGTTCCTTCCCCCAGCAGCTCCCTCGGGCCCTAGATCGGAAGAGCGGTTCAG
chr11	46400672	46400711	DGKZ_8122	+	GTGACCTATGCACCAGACGTCAGTGGAGCCCAGGGCCTGGGGCCAAGGTGGGAGGAGGAGAGATCGGAAGAGCGGTTCAG
chr11	46400797	46400836	DGKZ_8123	+	GTGACCTATGCACCAGACGTGGGCAGTGCAGAACCGTGGTCACCCCGGAAACCACCCTTTAGATCGGAAGAGCGGTTCAG
chr11	46401129	46401168	DGKZ_8124	+	GTGACCTATGCACCAGACGTGGCAGGCAGGGAGCCCACGAGGGCACCAACCAAACCTTTCAGATCGGAAGAGCGGTTCAG
chr11	46401508	46401547	DGKZ_8125	+	GTGACCTATGCACCAGACGTACGGGCAGCAGGAGGGACAATGCGGCCAGGGGACGAGCGCAGATCGGAAGAGCGGTTCAG
chr11	46388181	46388220	DGKZ_8126	+	GTGACCTATGCACCAGACGTTGTGGTAGCCGAGGCATCGAGCGCCATCCAGCCAGGCACCAGATCGGAAGAGCGGTTCAG
chr20	32264796	32264835	E2F1_8127	+	GTGACCTATGCACCAGACGTGGGGAGCATCACAGGCCGGGGATGCCCCAGCAGGGAGGAAAGATCGGAAGAGCGGTTCAG
chr20	32265357	32265396	E2F1_8128	+	GTGACCTATGCACCAGACGTTCAAGGACCACATGACCTTTGACTTCTAGGGGGTCACTCAAGATCGGAAGAGCGGTTCAG
chr20	32266170	32266209	E2F1_8129	+	GTGACCTATGCACCAGACGTGCACCAGGGAGGGTAGGGTTAACAGCGATTGGCCCCTCTGAGATCGGAAGAGCGGTTCAG
chr20	32267791	32267830	E2F1_8130	+	GTGACCTATGCACCAGACGTGTGGTCAGGCAAGACAGGGCCCTTCAGCATCCACCCCCACAGATCGGAAGAGCGGTTCAG
chr20	32268233	32268272	E2F1_8131	+	GTGACCTATGCACCAGACGTAACGGGAGGATGCCCAGTAACCAGGAGTGAGGCCAGAAGAAGATCGGAAGAGCGGTTCAG
chr3	89156997	89157036	EPHA3_8132	+	GTGACCTATGCACCAGACGTTACCGCGACGCACGGAGCTCTGCCCCGCGGGGCTCACGCTAGATCGGAAGAGCGGTTCAG
chr3	89176434	89176473	EPHA3_8133	+	GTGACCTATGCACCAGACGTTAAACTATCACAAGGAAACATTTTCTCTATTACCTGTCTTAGATCGGAAGAGCGGTTCAG
chr3	89259681	89259720	EPHA3_8134	+	GTGACCTATGCACCAGACGTTCTCTATTTTTCTTTGAGCAATATTTCTCACCTATGAGTTAGATCGGAAGAGCGGTTCAG
chr3	89390232	89390271	EPHA3_8135	+	GTGACCTATGCACCAGACGTTTGCTGCAACCCATGCCTCCATGTTTGTTTTGTTTTCTTCAGATCGGAAGAGCGGTTCAG
chr3	89391251	89391290	EPHA3_8136	+	GTGACCTATGCACCAGACGTACTAGATGCTTCTTACTCTTATCATATCACGTCTGAGTAAAGATCGGAAGAGCGGTTCAG
chr3	89445122	89445161	EPHA3_8137	+	GTGACCTATGCACCAGACGTAATGTTTAAGGGTTGGGCTGTGTAGGCAAGAAGCTGTTTCAGATCGGAAGAGCGGTTCAG
chr3	89448641	89448680	EPHA3_8138	+	GTGACCTATGCACCAGACGTTTTCAATGCAGTCTAGAGGAGGGGGCAGGGATCTTGCAAAAGATCGGAAGAGCGGTTCAG
chr3	89448667	89448706	EPHA3_8139	+	GTGACCTATGCACCAGACGTAGGGATCTTGCAAAAGATGTCTGATCGTTTATTCTCACTGAGATCGGAAGAGCGGTTCAG
chr3	89456532	89456571	EPHA3_8140	+	GTGACCTATGCACCAGACGTAGTCTGTTTCACTATTCACTTTCTTTGTTGCTTTGTTTGCAGATCGGAAGAGCGGTTCAG
chr3	89457292	89457331	EPHA3_8141	+	GTGACCTATGCACCAGACGTAAACTTGGCTTTTTGTTTTGCTTCACCGTTTTAGCTTTAGAGATCGGAAGAGCGGTTCAG
chr3	89462427	89462466	EPHA3_8142	+	GTGACCTATGCACCAGACGTTGACCCTACTGCCAACTTAGTACTGTATGTGAATCACGATAGATCGGAAGAGCGGTTCAG
chr3	89468551	89468590	EPHA3_8143	+	GTGACCTATGCACCAGACGTTAGTCATAAGACCTGTGTTTCCGTATGTTGAGCAAAGGTTAGATCGGAAGAGCGGTTCAG
chr3	89478328	89478367	EPHA3_8144	+	GTGACCTATGCACCAGACGTTGCACACACATACATATATATGAATAAATTGCTGAAAACAAGATCGGAAGAGCGGTTCAG
chr3	89480520	89480559	EPHA3_8145	+	GTGACCTATGCACCAGACGTTAGATTTTCTCCTTTTTTATCATTGTTTTCCATCTTGTATAGATCGGAAGAGCGGTTCAG
chr3	89498535	89498574	EPHA3_8146	+	GTGACCTATGCACCAGACGTGTGGTCTATGAGTTATGAGTTCAGATGAAAAGATCAAGCTAGATCGGAAGAGCGGTTCAG
chr3	89499531	89499570	EPHA3_8147	+	GTGACCTATGCACCAGACGTCAATTTGTTATCTGGCATTCACTCTGAAATTTGTGTTTGCAGATCGGAAGAGCGGTTCAG
chr3	89521780	89521819	EPHA3_8148	+	GTGACCTATGCACCAGACGTAAAATTCATTAAGAAGAATGAAGGATTCTTTTGAACTTTCAGATCGGAAGAGCGGTTCAG
chr3	89528663	89528702	EPHA3_8149	+	GTGACCTATGCACCAGACGTGGAAGTGCTTCTGGACGGAAGTGGTGGCTGTGGAAGGCGTAGATCGGAAGAGCGGTTCAG
chr3	89259350	89259389	EPHA3_8150	+	GTGACCTATGCACCAGACGTACACTGAGATTAGAGAAGTAGGTCCTGTCAACAAGAAGGGAGATCGGAAGAGCGGTTCAG
chr7	100318627	100318666	EPO_8151	+	GTGACCTATGCACCAGACGTGCGGGCTGGGCGCTCCCGCCCGCCCGGGTCCCTGTTTGAGAGATCGGAAGAGCGGTTCAG
chr7	100319337	100319376	EPO_8152	+	GTGACCTATGCACCAGACGTTTCCCCAGCACATTCCACAGAACTCACGCTCAGGGCTTCAAGATCGGAAGAGCGGTTCAG
chr7	100319682	100319721	EPO_8153	+	GTGACCTATGCACCAGACGTTTTTTTTTTTTTTTCCTTTCTTTTGGAGAATCTCATTTGCAGATCGGAAGAGCGGTTCAG
chr7	100320477	100320516	EPO_8154	+	GTGACCTATGCACCAGACGTGCGGACACTTCTGCTTGCCCTTTCTGTAAGAAGGGGAGAAAGATCGGAAGAGCGGTTCAG
chr7	100320767	100320806	EPO_8155	+	GTGACCTATGCACCAGACGTCCACCTGGGCATATCCACCACCTCCCTCACCAACATTGCTAGATCGGAAGAGCGGTTCAG
chr2	212248796	212248835	ERBB4_8156	+	GTGACCTATGCACCAGACGTAAAAAAATATCAGCTAACCTCTAGTTTCTGGAAAATATTAAGATCGGAAGAGCGGTTCAG
chr2	212251886	212251925	ERBB4_8157	+	GTGACCTATGCACCAGACGTGAGAAACATATGTGGAGAGAAGGCGTTGTTAGAAATAGTTAGATCGGAAGAGCGGTTCAG
chr2	212252728	212252767	ERBB4_8158	+	GTGACCTATGCACCAGACGTAGAAAAATGGAATGATGGATATAATAAGAGGCAATATGAAAGATCGGAAGAGCGGTTCAG
chr2	212285347	212285386	ERBB4_8159	+	GTGACCTATGCACCAGACGTGATTGCCCATCAGACACAAATATGATTCTTTCTTATCTTAAGATCGGAAGAGCGGTTCAG
chr2	212286840	212286879	ERBB4_8160	+	GTGACCTATGCACCAGACGTACACAGTGAAAATGTCACTATATTCGTAACTAGAAAGGAGAGATCGGAAGAGCGGTTCAG
chr2	212289037	212289076	ERBB4_8161	+	GTGACCTATGCACCAGACGTGAAAAAATTCTTACTTAAGCATATTAACAACATATGTTGAAGATCGGAAGAGCGGTTCAG
chr2	212293219	212293258	ERBB4_8162	+	GTGACCTATGCACCAGACGTGTAAGAAGTAAAAGTTTTAAAATTACATTAAAAATTCATTAGATCGGAAGAGCGGTTCAG
chr2	212295836	212295875	ERBB4_8163	+	GTGACCTATGCACCAGACGTTCAAGTTCCTTAATGATATTCAGTTAATGCCCAGGTTTTCAGATCGGAAGAGCGGTTCAG
chr2	212426824	212426863	ERBB4_8164	+	GTGACCTATGCACCAGACGTAAAATGCAATACCATGATTTCAACTCAAATTTTCTTAGATAGATCGGAAGAGCGGTTCAG
chr2	212484011	212484050	ERBB4_8165	+	GTGACCTATGCACCAGACGTAAAAATTTACATTAAATATGACATCTCAACCTATTAAGTTAGATCGGAAGAGCGGTTCAG
chr2	212495330	212495369	ERBB4_8166	+	GTGACCTATGCACCAGACGTGAATGAGAAAAAAAAAAATAAAAAGTATGAAGAGAGAGAAAGATCGGAAGAGCGGTTCAG
chr2	212522564	212522603	ERBB4_8167	+	GTGACCTATGCACCAGACGTTTACAGAACAGAAAACATCATTCTCCATCCACAGTGACATAGATCGGAAGAGCGGTTCAG
chr2	212530213	212530252	ERBB4_8168	+	GTGACCTATGCACCAGACGTAAAACGAAAAAAAAAGAAAAAAGAAAAGTGGTGTCATTTCAGATCGGAAGAGCGGTTCAG
chr2	212537993	212538032	ERBB4_8169	+	GTGACCTATGCACCAGACGTATCAGCCACATGAGGAGGTGTAAGCAAACAAGCGTCAACTAGATCGGAAGAGCGGTTCAG
chr2	212543920	212543959	ERBB4_8170	+	GTGACCTATGCACCAGACGTCCAAAATCAAGGGGAAATAAAACAGAGGATTGTGTCAAAAAGATCGGAAGAGCGGTTCAG
chr2	212566902	212566941	ERBB4_8171	+	GTGACCTATGCACCAGACGTGGAAGTGAGAAAACGGAACCATGAAACGCATTCCGGAGTAAGATCGGAAGAGCGGTTCAG
chr2	212568930	212568969	ERBB4_8172	+	GTGACCTATGCACCAGACGTAGAGTAGAAAAAATAAATCAGAATATCATTGTCTTAGTATAGATCGGAAGAGCGGTTCAG
chr2	212570127	212570166	ERBB4_8173	+	GTGACCTATGCACCAGACGTAAGAAGAGATGTAGCCAAATTTAAATTTTACTAAAGGATTAGATCGGAAGAGCGGTTCAG
chr2	212576912	212576951	ERBB4_8174	+	GTGACCTATGCACCAGACGTAAGACTCAGAGTTAGGGGATTGAGAAACTTATTTTTGGCCAGATCGGAAGAGCGGTTCAG
chr2	212578384	212578423	ERBB4_8175	+	GTGACCTATGCACCAGACGTAAAAAAAAAAAAGGTAAAATAAGCATTAATGTTAACATTCAGATCGGAAGAGCGGTTCAG
chr2	212587270	212587309	ERBB4_8176	+	GTGACCTATGCACCAGACGTGCAAATATTACTTTCATTTACAAATAAACTCATAATACTTAGATCGGAAGAGCGGTTCAG
chr2	212589930	212589969	ERBB4_8177	+	GTGACCTATGCACCAGACGTCAGAGATAGGACCATGATCAAAGTCTGCCACCAGGAGAAAAGATCGGAAGAGCGGTTCAG
chr2	212615440	212615479	ERBB4_8178	+	GTGACCTATGCACCAGACGTCGAAAAGGGAAAAAGGACATGCACGTTATAATCTTTCACTAGATCGGAAGAGCGGTTCAG

chr2	212652895	212652934	ERBB4_8179	+	GTGACCTATGCACCAGACGTAAACAAATAAACAAATTTTTTGTCAAACTGCTTGTTGATGAGATCGGAAGAGCGGTTCAG
chr2	212812352	212812391	ERBB4_8180	+	GTGACCTATGCACCAGACGTACAAACAGTTGCCTGTGTTATAAAACGAATTTGTCACTCTAGATCGGAAGAGCGGTTCAG
chr2	212989639	212989678	ERBB4_8181	+	GTGACCTATGCACCAGACGTAAGAAGATACACGTGAAATTACATAACCTTTATATGATATAGATCGGAAGAGCGGTTCAG
chr2	213403265	213403304	ERBB4_8182	+	GTGACCTATGCACCAGACGTTCTCAGATCCCGTGCTGACAATTACATGTCCAAATGGCATAGATCGGAAGAGCGGTTCAG
chr6	35420581	35420620	FANCE_8183	+	GTGACCTATGCACCAGACGTGCCCGCGGCCCCTTAGCAGGTATGGGAGGCGGGGGGCTGTAGATCGGAAGAGCGGTTCAG
chr6	35424141	35424180	FANCE_8184	+	GTGACCTATGCACCAGACGTAGGGAGACTGGGTTTAGAGTGATCTTTCAGCAGTGGTGGCAGATCGGAAGAGCGGTTCAG
chr6	35425388	35425427	FANCE_8185	+	GTGACCTATGCACCAGACGTCCACAGTGCTCACCATAGCCTTTCTTCCATCTTCTACCCAAGATCGGAAGAGCGGTTCAG
chr6	35425772	35425811	FANCE_8186	+	GTGACCTATGCACCAGACGTATGACTGCCTGGCTCTGAGGTTACATTCTCTGTCCCTTATAGATCGGAAGAGCGGTTCAG
chr6	35426228	35426267	FANCE_8187	+	GTGACCTATGCACCAGACGTTGGGAGGTACTCAGAGTGCCAAGGACAATGGGGAAGAGCAAGATCGGAAGAGCGGTTCAG
chr6	35427242	35427281	FANCE_8188	+	GTGACCTATGCACCAGACGTAACCAGCCCCAGGCCCAGTAGCTCTGCCCTCAGTGTTCTCAGATCGGAAGAGCGGTTCAG
chr6	35427548	35427587	FANCE_8189	+	GTGACCTATGCACCAGACGTAGGCCTCCGTGCTGTCCCCACTGCCACCTGTTCCCCCAGGAGATCGGAAGAGCGGTTCAG
chr6	35428406	35428445	FANCE_8190	+	GTGACCTATGCACCAGACGTTGCCCTGGGGAAGAGTGGACAAAGAAGTGCTGCAGTCCTTAGATCGGAAGAGCGGTTCAG
chr6	35430702	35430741	FANCE_8191	+	GTGACCTATGCACCAGACGTATAGGGCCTTGGGGCTGGTCCTGCTGGCAGGGCTGCCCTGAGATCGGAAGAGCGGTTCAG
chr6	35434133	35434172	FANCE_8192	+	GTGACCTATGCACCAGACGTAGGGACCACCCTCTTGGTGCTCCATCACCAGCTTCCTGAAAGATCGGAAGAGCGGTTCAG
chr6	35423837	35423876	FANCE_8193	+	GTGACCTATGCACCAGACGTGAAGAGGAGAACAGGGACTCCCAGCAGCCTGGGAAACGCAAGATCGGAAGAGCGGTTCAG
chr1	241661281	241661320	FH_8194	+	GTGACCTATGCACCAGACGTAATAAAAAGACGACATATGGGTTAGCAGTGATATTTGGTTAGATCGGAAGAGCGGTTCAG
chr1	241665881	241665920	FH_8195	+	GTGACCTATGCACCAGACGTACCACCAATGACAGAGTAAAGACTAAATTTATGCAAATAAAGATCGGAAGAGCGGTTCAG
chr1	241667556	241667595	FH_8196	+	GTGACCTATGCACCAGACGTGAAAAATATCCTAGATGGGTGAACAAGTTAAACTAAACATAGATCGGAAGAGCGGTTCAG
chr1	241669479	241669518	FH_8197	+	GTGACCTATGCACCAGACGTAAGAAAATTAAGGTAAGAATAAGTAATTCCTAATAGCTTAAGATCGGAAGAGCGGTTCAG
chr1	241672096	241672135	FH_8198	+	GTGACCTATGCACCAGACGTTTTTTCAAAAGAAATATAAAATGTTAAATCAGAGGCAACAAGATCGGAAGAGCGGTTCAG
chr1	241675454	241675493	FH_8199	+	GTGACCTATGCACCAGACGTAATGTTAAAAATGTATTTTAAAAAAGGAAATAATAATGCTAGATCGGAAGAGCGGTTCAG
chr1	241677024	241677063	FH_8200	+	GTGACCTATGCACCAGACGTTCAGAAAAATATTTCAAATTTACAATTTTACTTAAGCATGAGATCGGAAGAGCGGTTCAG
chr1	241680627	241680666	FH_8201	+	GTGACCTATGCACCAGACGTGAATACAACACTATTACAAGTTGAAAAGAAACCCAGGATCAGATCGGAAGAGCGGTTCAG
chr1	241683033	241683072	FH_8202	+	GTGACCTATGCACCAGACGTGAGCTTGGGTAGAATTTCTGGGCGGCTGTGGCCACGCCTCAGATCGGAAGAGCGGTTCAG
chr5	180036064	180036103	FLT4_8203	+	GTGACCTATGCACCAGACGTAGGACAAGCCAGGCTGTGGGTCCCGCCTGAGGCCCTCCTGAGATCGGAAGAGCGGTTCAG
chr5	180037036	180037075	FLT4_8204	+	GTGACCTATGCACCAGACGTAAATCAGAAGGTGCTGAGGAACGCGCTGCAGCAACCCTCCAGATCGGAAGAGCGGTTCAG
chr5	180038490	180038529	FLT4_8205	+	GTGACCTATGCACCAGACGTCAGGAGAGGCAGCCAGGCCAGAAACCACCAGCCACTGCCCAGATCGGAAGAGCGGTTCAG
chr5	180039622	180039661	FLT4_8206	+	GTGACCTATGCACCAGACGTACGTGGGCTGCTGGACTGCATGCACCCCACCCCCGTCCCAAGATCGGAAGAGCGGTTCAG
chr5	180040121	180040160	FLT4_8207	+	GTGACCTATGCACCAGACGTGAAGGGGAGGTGGGTGGGGAGCAAGCCTCCTGCGGCTCAGAGATCGGAAGAGCGGTTCAG
chr5	180041190	180041229	FLT4_8208	+	GTGACCTATGCACCAGACGTAGAGGGAAGCTTGTCCCGTGGTGGATGGGGAGACGGAGGGAGATCGGAAGAGCGGTTCAG
chr5	180043500	180043539	FLT4_8209	+	GTGACCTATGCACCAGACGTGGGAGGCGGCAGGGGGGCTGTCAGTGCAGGCCCCTGGGGTAGATCGGAAGAGCGGTTCAG
chr5	180044005	180044044	FLT4_8210	+	GTGACCTATGCACCAGACGTGAGCCAGGTGGGCTCAGGAGGCGCCTCCTCCGCGGCCTCCAGATCGGAAGAGCGGTTCAG
chr5	180045931	180045970	FLT4_8211	+	GTGACCTATGCACCAGACGTACGAAGCTGGCTCGAGGGCGCCCAGTCGTCCGCCGCAGAGAGATCGGAAGAGCGGTTCAG
chr5	180046120	180046159	FLT4_8212	+	GTGACCTATGCACCAGACGTACCGGGCGGCGGCCGTGCGTTCGGAACCCGGGGCGCGCTGAGATCGGAAGAGCGGTTCAG
chr5	180046377	180046416	FLT4_8213	+	GTGACCTATGCACCAGACGTCACGGGCCTCACACCGGCCCCGACCCTGGCAGGTCCCCGTAGATCGGAAGAGCGGTTCAG
chr5	180046780	180046819	FLT4_8214	+	GTGACCTATGCACCAGACGTAGGGGGCCAGTTGCAGGTGAGCTGTACGGGGTGAGCGTGGAGATCGGAAGAGCGGTTCAG
chr5	180047319	180047358	FLT4_8215	+	GTGACCTATGCACCAGACGTGGGACAGGGAGGAGTGGGGCAGCTCACTGATTTGGCCATAAGATCGGAAGAGCGGTTCAG
chr5	180047726	180047765	FLT4_8216	+	GTGACCTATGCACCAGACGTAGAAAGGGGCCGGCGTGTGTGTGTGTGTGTGTAAGAGCGTAGATCGGAAGAGCGGTTCAG
chr5	180048018	180048057	FLT4_8217	+	GTGACCTATGCACCAGACGTTGGGGTGGAGGTGCGGGTCCACCTGGGTTTGGGATCGTCGAGATCGGAAGAGCGGTTCAG
chr5	180048263	180048302	FLT4_8218	+	GTGACCTATGCACCAGACGTGGGTCGAGAGGGAGCTAAGTGGAGCTGCACTTAGCAGGAGAGATCGGAAGAGCGGTTCAG
chr5	180048915	180048954	FLT4_8219	+	GTGACCTATGCACCAGACGTAGGAAGAAGCCCTGTGGCACTGCCCTGGGAGTTTGCTCCCAGATCGGAAGAGCGGTTCAG
chr5	180049850	180049889	FLT4_8220	+	GTGACCTATGCACCAGACGTACAGGCACAAGGATCCATTTCCTGCCCAAGTTCTCCCAACAGATCGGAAGAGCGGTTCAG
chr5	180051072	180051111	FLT4_8221	+	GTGACCTATGCACCAGACGTCAGAAGAGGCAAGGGCAGGTCAGGGATACAGGCAGGAAGGAGATCGGAAGAGCGGTTCAG
chr5	180053042	180053081	FLT4_8222	+	GTGACCTATGCACCAGACGTACAGATGGCCGGTCAGCTGGCCTCCAATGCCAGGCCGCCCAGATCGGAAGAGCGGTTCAG
chr5	180053276	180053315	FLT4_8223	+	GTGACCTATGCACCAGACGTAAGGGAGGTCAGGGCCCATACAGATCCCACCACAGCCCCAAGATCGGAAGAGCGGTTCAG
chr5	180056010	180056049	FLT4_8224	+	GTGACCTATGCACCAGACGTGGAGAAGTCACTGTAAATCCAGGACTGACCCGTCGTGGACAGATCGGAAGAGCGGTTCAG
chr5	180056438	180056477	FLT4_8225	+	GTGACCTATGCACCAGACGTCCAGGGAAGCCCCGCGTCAGCAGGCGGGCTCCTGCACAGCAGATCGGAAGAGCGGTTCAG
chr5	180056846	180056885	FLT4_8226	+	GTGACCTATGCACCAGACGTGCACACAGTGACTCCCACGCCCTCACAGGACGACACCCACAGATCGGAAGAGCGGTTCAG
chr5	180057116	180057155	FLT4_8227	+	GTGACCTATGCACCAGACGTAAGGCCACCATCATTGCCCAGCTGCCCCTTGCTCCTGGCCAGATCGGAAGAGCGGTTCAG
chr5	180057348	180057387	FLT4_8228	+	GTGACCTATGCACCAGACGTGGAGCAAGCTGTTGGGGAAGGGACGTGGCGGCCAGGCTGGAGATCGGAAGAGCGGTTCAG
chr5	180057810	180057849	FLT4_8229	+	GTGACCTATGCACCAGACGTACAGGAGTGGTCAGGTGGGCCCCAGGGCAGCCCATGGGGAAGATCGGAAGAGCGGTTCAG
chr5	180058789	180058828	FLT4_8230	+	GTGACCTATGCACCAGACGTAGACAGGGTCAGCGTGGTGCTGGGCTGTGACTTGGCACGAAGATCGGAAGAGCGGTTCAG
chr5	180076556	180076595	FLT4_8231	+	GTGACCTATGCACCAGACGTTGCGCGTGGGTCCGACCCGAGCGGCCGCGGCTCGGGGCTGAGATCGGAAGAGCGGTTCAG
chr2	227663465	227663504	IRS1_8232	+	GTGACCTATGCACCAGACGTCCACCACCAACGCTGAGCAGAGGGAGGCTCCGAAAAACAAAGATCGGAAGAGCGGTTCAG
chr2	227660202	227660241	IRS1_8233	+	GTGACCTATGCACCAGACGTCACTCTGGTTGCGGTTAGGACTGAGGTTCACCCGGGTGAAAGATCGGAAGAGCGGTTCAG
chr2	227660668	227660707	IRS1_8234	+	GTGACCTATGCACCAGACGTTGGCTGGAGCTGGGATGGACACCTGACAGAAGGTGAGCTGAGATCGGAAGAGCGGTTCAG
chr2	227661134	227661173	IRS1_8235	+	GTGACCTATGCACCAGACGTGTGTGCTTAAAGGATCTTGGCAATGAGTAGTAGGAGAGGAAGATCGGAAGAGCGGTTCAG
chr2	227661600	227661639	IRS1_8236	+	GTGACCTATGCACCAGACGTCCCCTGGGGACATGGGCATGTAGCCATCATCCGTGTGGAGAGATCGGAAGAGCGGTTCAG

chr2	227662066	227662105	IRS1_8237	+	GTGACCTATGCACCAGACGTGCTTAGCTCCTCCTCACCGCGGGCTGGTGGGGTGTGGCCCAGATCGGAAGAGCGGTTCAG
chr2	227662532	227662571	IRS1_8238	+	GTGACCTATGCACCAGACGTATGCTCTCAGTGCGTGATCGGCGGGTCAGCCCCACCTGGCAGATCGGAAGAGCGGTTCAG
chr2	227662998	227663037	IRS1_8239	+	GTGACCTATGCACCAGACGTCACCGTAGCTCAAGTCCTCCCCAGCCTCACCAAGGCCGGAAGATCGGAAGAGCGGTTCAG
chr22	22123620	22123659	MAPK1_8240	+	GTGACCTATGCACCAGACGTAAACAAAACATTTAACAGTCAAAGTTGTTATGGGTAAGGCAGATCGGAAGAGCGGTTCAG
chr22	22127282	22127321	MAPK1_8241	+	GTGACCTATGCACCAGACGTAAAGGTTTTGCAGTAGTGAGAGCAGAAGTAGTCACAGAAAAGATCGGAAGAGCGGTTCAG
chr22	22142688	22142727	MAPK1_8242	+	GTGACCTATGCACCAGACGTAAAAAATTAGCTATTAGTTATCAGGACCAAGGTAAATGACAGATCGGAAGAGCGGTTCAG
chr22	22143108	22143147	MAPK1_8243	+	GTGACCTATGCACCAGACGTAAGAGAGAAAAGACTGAAAATGGTATCTGGTGTTACAGGAAGATCGGAAGAGCGGTTCAG
chr22	22153428	22153467	MAPK1_8244	+	GTGACCTATGCACCAGACGTAAAAAAACAGGATAACTTCTTAGAAATTCTAACCTTTCATAGATCGGAAGAGCGGTTCAG
chr22	22160339	22160378	MAPK1_8245	+	GTGACCTATGCACCAGACGTAGGTTAAGGTAAAACACCAATTAGCTGGTCACATTTAGCAAGATCGGAAGAGCGGTTCAG
chr22	22162146	22162185	MAPK1_8246	+	GTGACCTATGCACCAGACGTAGAGAGAGAGATGGCATTAAAAACAGCCCTCAGAATATTTAGATCGGAAGAGCGGTTCAG
chr8	90947851	90947890	NBN_8247	+	GTGACCTATGCACCAGACGTAGAAATGGGGTTAAATGATATTTAGATAAGGGATGGTATTAGATCGGAAGAGCGGTTCAG
chr8	90949314	90949353	NBN_8248	+	GTGACCTATGCACCAGACGTTAACATAATTTCAAACATTTGCTCAGTGGTGAATATATAGAGATCGGAAGAGCGGTTCAG
chr8	90955605	90955644	NBN_8249	+	GTGACCTATGCACCAGACGTATAAAAGTAGTACAGTAAATCATATTAACAAACAAAAATGAGATCGGAAGAGCGGTTCAG
chr8	90958534	90958573	NBN_8250	+	GTGACCTATGCACCAGACGTGTTAAGATGGATAGGTAAGAAAGAGAAGAAATAACAAAGAAGATCGGAAGAGCGGTTCAG
chr8	90960131	90960170	NBN_8251	+	GTGACCTATGCACCAGACGTAAAATAAAAAATACTGTTCATAGGAGTAATAAAATGGTATAGATCGGAAGAGCGGTTCAG
chr8	90965930	90965969	NBN_8252	+	GTGACCTATGCACCAGACGTAAAAAAAAGAAGAAAACAAAACAAGAAAATGAACACAGCTAGATCGGAAGAGCGGTTCAG
chr8	90967794	90967833	NBN_8253	+	GTGACCTATGCACCAGACGTAGAAAAGAATGCAAGGTAAATAATCAAGTTTACAGCAACTAGATCGGAAGAGCGGTTCAG
chr8	90971093	90971132	NBN_8254	+	GTGACCTATGCACCAGACGTCACAAGTAGAAAGAAAGAATCACAACTGCTAGATAGAAGAAGATCGGAAGAGCGGTTCAG
chr8	90976746	90976785	NBN_8255	+	GTGACCTATGCACCAGACGTAAAATAGTTTAAGTATGATAATATATTAAAACTAGCAACTAGATCGGAAGAGCGGTTCAG
chr8	90982796	90982835	NBN_8256	+	GTGACCTATGCACCAGACGTAAGGAAACATTTTTTAAAGTAAAATGTAGTAATTTTTTGAAGATCGGAAGAGCGGTTCAG
chr8	90983529	90983568	NBN_8257	+	GTGACCTATGCACCAGACGTAATTAAAGTATATTCTAATTATATACTACTATGTTTGCTAAGATCGGAAGAGCGGTTCAG
chr8	90990562	90990601	NBN_8258	+	GTGACCTATGCACCAGACGTGAAAACATGTGAATATATATATTCACATGCTAGCATTTTTAGATCGGAAGAGCGGTTCAG
chr8	90993132	90993171	NBN_8259	+	GTGACCTATGCACCAGACGTGAATAAGTTAAATAAAGTCATAGTATCAGAGTTGCAGAGAAGATCGGAAGAGCGGTTCAG
chr8	90993762	90993801	NBN_8260	+	GTGACCTATGCACCAGACGTAGCAAATAATTTAAAGTCTTTTACCACTCAGTACATTCACAGATCGGAAGAGCGGTTCAG
chr8	90996800	90996839	NBN_8261	+	GTGACCTATGCACCAGACGTCCTCAGGGCTGGGGCCGACGTGCAACCGCGTAACCGGGGCAGATCGGAAGAGCGGTTCAG
chr20	8113408	8113447	PLCB1_8262	+	GTGACCTATGCACCAGACGTGGGCGGCCCGAGTCGGGGCGCTGGCTCGGGCACCGGGCAGAGATCGGAAGAGCGGTTCAG
chr20	8131029	8131068	PLCB1_8263	+	GTGACCTATGCACCAGACGTAGGTATGCCTTTCTTACATTTTTCAGTCGTTTACTACTTTAGATCGGAAGAGCGGTTCAG
chr20	8352108	8352147	PLCB1_8264	+	GTGACCTATGCACCAGACGTGAGTGTTGTGCATGCACCAGATGCTGCCTTGATTGTTTGGAGATCGGAAGAGCGGTTCAG
chr20	8609089	8609128	PLCB1_8265	+	GTGACCTATGCACCAGACGTTGGAAATTGCTAAAGCTTATCATCATGATCTGAATCCTTGAGATCGGAAGAGCGGTTCAG
chr20	8626839	8626878	PLCB1_8266	+	GTGACCTATGCACCAGACGTCTAATTTTATTGCTAAGGGCGTTGCTTCTTCTGAGTCAGTAGATCGGAAGAGCGGTTCAG
chr20	8628611	8628650	PLCB1_8267	+	GTGACCTATGCACCAGACGTTGAGCATTTCTCATTATTCATTTTATTTTCCTCAAAGATCAGATCGGAAGAGCGGTTCAG
chr20	8637942	8637981	PLCB1_8268	+	GTGACCTATGCACCAGACGTACATTTTAAGCCATATCTTTTTCAGCTTGCATTGATTCTCAGATCGGAAGAGCGGTTCAG
chr20	8639362	8639401	PLCB1_8269	+	GTGACCTATGCACCAGACGTTCTTTCACACCAAAGGGAAGCTCTTGTTTCTGATTGGGGGAGATCGGAAGAGCGGTTCAG
chr20	8665736	8665775	PLCB1_8270	+	GTGACCTATGCACCAGACGTTCTAGTTCTTTGTTACTTTAGCCAGTCTCACCAAATTTCAAGATCGGAAGAGCGGTTCAG
chr20	8678441	8678480	PLCB1_8271	+	GTGACCTATGCACCAGACGTTGAATGTTACTAAGAGAGGCAGCTGGAGACACCTGATTCCAGATCGGAAGAGCGGTTCAG
chr20	8689410	8689449	PLCB1_8272	+	GTGACCTATGCACCAGACGTAACACATTCAGGAATGAGTCTTTTTCCCGAATAGGGCATAAGATCGGAAGAGCGGTTCAG
chr20	8697006	8697045	PLCB1_8273	+	GTGACCTATGCACCAGACGTCTGATGTTTGTCCTTGAAGGAATGTATGCATTATTGATGAAGATCGGAAGAGCGGTTCAG
chr20	8698506	8698545	PLCB1_8274	+	GTGACCTATGCACCAGACGTGGTGGGCTCTCCCCGTCATGTTTTGTGTTGGTTTAAGAATAGATCGGAAGAGCGGTTCAG
chr20	8703079	8703118	PLCB1_8275	+	GTGACCTATGCACCAGACGTAGGGCTTCTGGTCCCTAAGGCATTCCACCACCCTGTACTCAGATCGGAAGAGCGGTTCAG
chr20	8705410	8705449	PLCB1_8276	+	GTGACCTATGCACCAGACGTCCTGGAGAAAAACCCCTCTTGCAGCATATAATGATTATATAGATCGGAAGAGCGGTTCAG
chr20	8708051	8708090	PLCB1_8277	+	GTGACCTATGCACCAGACGTTTTGACGAATGACTGCAGAATGAACACAGCTGAAGTCTTGAGATCGGAAGAGCGGTTCAG
chr20	8709832	8709871	PLCB1_8278	+	GTGACCTATGCACCAGACGTGCTTGTTCCCATTCTGCTATGAACTCACATTGCCAAGTGTAGATCGGAAGAGCGGTTCAG
chr20	8714050	8714089	PLCB1_8279	+	GTGACCTATGCACCAGACGTCCCATCACAAAATTGTTCCTAACAATAGTGTTGAATTTATAGATCGGAAGAGCGGTTCAG
chr20	8717850	8717889	PLCB1_8280	+	GTGACCTATGCACCAGACGTTGTTCTTGATATGAGTTATAACTGCATTTTTCAGGTGTTTAGATCGGAAGAGCGGTTCAG
chr20	8720018	8720057	PLCB1_8281	+	GTGACCTATGCACCAGACGTTGTGCTGAGAAACCTTTTATCAAAGTTGCAAAGAAAATCAAGATCGGAAGAGCGGTTCAG
chr20	8721106	8721145	PLCB1_8282	+	GTGACCTATGCACCAGACGTTAACTCAAATACCACTTTACTCAAAGGGGTATTTCTGTCTAGATCGGAAGAGCGGTTCAG
chr20	8722231	8722270	PLCB1_8283	+	GTGACCTATGCACCAGACGTGTTTTAATTTTACATATAGCATTAAGCATGATCACCACACAGATCGGAAGAGCGGTTCAG
chr20	8737836	8737875	PLCB1_8284	+	GTGACCTATGCACCAGACGTTGGAAAGAGCTGGACAACATGAGCAAGATCCTCCAGTTCAAGATCGGAAGAGCGGTTCAG
chr20	8741118	8741157	PLCB1_8285	+	GTGACCTATGCACCAGACGTCCCTTTCCCCCCATGGAATTAAGCAGCTCAGTGTTACACAAGATCGGAAGAGCGGTTCAG
chr20	8746016	8746055	PLCB1_8286	+	GTGACCTATGCACCAGACGTTGAATATTTTTAGTTGGTTTCATAGCATGAAGAGTTGTTAAGATCGGAAGAGCGGTTCAG
chr20	8755377	8755416	PLCB1_8287	+	GTGACCTATGCACCAGACGTGAAACATGATTTATGTTTGTGCAACTGGAACTCCCTTATAAGATCGGAAGAGCGGTTCAG
chr20	8769183	8769222	PLCB1_8288	+	GTGACCTATGCACCAGACGTATTCCCATTACAATTGACATGTGCATCTGAATTTATTCAAAGATCGGAAGAGCGGTTCAG
chr20	8769380	8769419	PLCB1_8289	+	GTGACCTATGCACCAGACGTAGTGTCCCCTCTCCCAAACAGTTCATCTGGGAATTATTTTAGATCGGAAGAGCGGTTCAG
chr20	8770233	8770272	PLCB1_8290	+	GTGACCTATGCACCAGACGTTCATCACGCTCTCTCCTTTGCAAAACATGTGTGAACATTTAGATCGGAAGAGCGGTTCAG
chr20	8770919	8770958	PLCB1_8291	+	GTGACCTATGCACCAGACGTCTGAATTAAAATGAACAATTATTTTATTTGATTTCCATTTAGATCGGAAGAGCGGTTCAG
chr20	8782812	8782851	PLCB1_8292	+	GTGACCTATGCACCAGACGTTCCGGCCAGGTAGGACTGGATGGGAGGGGTCGCTTTTGAGAGATCGGAAGAGCGGTTCAG
chr20	8862507	8862546	PLCB1_8293	+	GTGACCTATGCACCAGACGTCAGGCCTTCAGAAATTGCATGGCCACTCCAGCGTCATCGGAGATCGGAAGAGCGGTTCAG
chr1	1982151	1982190	PRKCZ_8294	+	GTGACCTATGCACCAGACGTGAGAGGGCGGGGAGCGGCGCGGGTGAGGCAGGGAGGGCGGAGATCGGAAGAGCGGTTCAG

chr1	1987012	1987051	PRKCZ_8295	+	GTGACCTATGCACCAGACGTTCCCATGTTGGCCAGAATCCTCAGCCTCAGGGGACTTCGCAGATCGGAAGAGCGGTTCAG
chr1	1988023	1988062	PRKCZ_8296	+	GTGACCTATGCACCAGACGTGGGTCTGTGGTGGGCAGCTCTGGGGGGCTGTTCCTGGCTGAGATCGGAAGAGCGGTTCAG
chr1	1991041	1991080	PRKCZ_8297	+	GTGACCTATGCACCAGACGTGGGTTTCCTACGCCGGTCTCGCATGTTACGGGGTTGAACTAGATCGGAAGAGCGGTTCAG
chr1	2066797	2066836	PRKCZ_8298	+	GTGACCTATGCACCAGACGTCCCTTGGGACTAGTCCCTCAAGGGGCCTTTTGTTACTTTTAGATCGGAAGAGCGGTTCAG
chr1	2075791	2075830	PRKCZ_8299	+	GTGACCTATGCACCAGACGTGGGCTGGGGAGGCCCGGGGGGCACGGGCGGGGTCGGGGCGAGATCGGAAGAGCGGTTCAG
chr1	2077558	2077597	PRKCZ_8300	+	GTGACCTATGCACCAGACGTCTTTCTTCCGGCCGGGTAGAGCCTGGGCATCACCTCACCCAGATCGGAAGAGCGGTTCAG
chr1	2080374	2080413	PRKCZ_8301	+	GTGACCTATGCACCAGACGTGGAGCAGCTCGCTGCCATTTCCGACGTCCTCTGGAAAGTCAGATCGGAAGAGCGGTTCAG
chr1	2082428	2082467	PRKCZ_8302	+	GTGACCTATGCACCAGACGTCTTCTCATGGGGCCCGGGGGCCCGGGAACGCGCTGCCCTGAGATCGGAAGAGCGGTTCAG
chr1	2087542	2087581	PRKCZ_8303	+	GTGACCTATGCACCAGACGTGAAGGGTATTTCTGATATTCTGCAGATTTCAGATGTGAACAGATCGGAAGAGCGGTTCAG
chr1	2103640	2103679	PRKCZ_8304	+	GTGACCTATGCACCAGACGTTGGACCGCCTCCCCTGACCATCCCGCATGTGCGTCTCGGGAGATCGGAAGAGCGGTTCAG
chr1	2103838	2103877	PRKCZ_8305	+	GTGACCTATGCACCAGACGTCTGCCCTGGCCCCTCTCGGAGCACACAGGGCCAGAGATGGAGATCGGAAGAGCGGTTCAG
chr1	2105466	2105505	PRKCZ_8306	+	GTGACCTATGCACCAGACGTCGCTGTGCGTTCGTACCCCTCACCTGCACGACTGTCTTCCAGATCGGAAGAGCGGTTCAG
chr1	2106283	2106322	PRKCZ_8307	+	GTGACCTATGCACCAGACGTGGCCATGCTGACAAAATCTCGTTTGTGGCCTCGGTGTTGGAGATCGGAAGAGCGGTTCAG
chr1	2106763	2106802	PRKCZ_8308	+	GTGACCTATGCACCAGACGTACAAAGCCTATTTGCACCCCCATCCCCATCCCAACCCCAAAGATCGGAAGAGCGGTTCAG
chr1	2116148	2116187	PRKCZ_8309	+	GTGACCTATGCACCAGACGTCTGGGTGCGGGTCCCTGGAGCACCCCTCGGGCAGCCCCATAGATCGGAAGAGCGGTTCAG
chr1	2116459	2116498	PRKCZ_8310	+	GTGACCTATGCACCAGACGTGTCTCTGTCGTGGACACGCGTGATTGACCCTTTAACTGTAAGATCGGAAGAGCGGTTCAG
chr22	24134065	24134104	SMARCB1_8311	+	GTGACCTATGCACCAGACGTAAAACCTAACACTAAGGGTGCGTCTTCACGAGGGTTTGTAAGATCGGAAGAGCGGTTCAG
chr22	24134092	24134131	SMARCB1_8312	+	GTGACCTATGCACCAGACGTACGAGGGTTTGTAAACCTGTTTCAAAACCACTCGCTTATGAGATCGGAAGAGCGGTTCAG
chr22	24135886	24135925	SMARCB1_8313	+	GTGACCTATGCACCAGACGTCCTGGCCAGGGCATCTCTGGGGACACCTGTGGGGTCTTTTAGATCGGAAGAGCGGTTCAG
chr22	24143279	24143318	SMARCB1_8314	+	GTGACCTATGCACCAGACGTATCGCTGCACTCACCCTCCGTGCTGATTCCGCCTTAGTTCAGATCGGAAGAGCGGTTCAG
chr22	24145620	24145659	SMARCB1_8315	+	GTGACCTATGCACCAGACGTGTCGGGCTTGGCTGGGCCTGGCCCCAACCCCTGTGTGTTAAGATCGGAAGAGCGGTTCAG
chr22	24159134	24159173	SMARCB1_8316	+	GTGACCTATGCACCAGACGTTCTCACCCAGCACTGGAGCCTTCCTGGCCCTCAGGGTGGGAGATCGGAAGAGCGGTTCAG
chr22	24167613	24167652	SMARCB1_8317	+	GTGACCTATGCACCAGACGTGCATGAGTCTCTCCCTCCCTCATCTCCCTGCAAAACTGTTAGATCGGAAGAGCGGTTCAG
chr22	24175901	24175940	SMARCB1_8318	+	GTGACCTATGCACCAGACGTCCCTGTGGTCCTGGGCTCTGCCCACAGGCACCTGGCTTTCAGATCGGAAGAGCGGTTCAG
chr22	24176378	24176417	SMARCB1_8319	+	GTGACCTATGCACCAGACGTAGCACACGGCTCCCACGGAGCATCTCAGAAGATTGGGCCGAGATCGGAAGAGCGGTTCAG
chr15	57213307	57213346	TCF12_8320	+	GTGACCTATGCACCAGACGTGTCTTAAACTAAAGACTCATATTTTGGTGGTGTGATACATAGATCGGAAGAGCGGTTCAG
chr15	57356032	57356071	TCF12_8321	+	GTGACCTATGCACCAGACGTTGATCAACCCTTGATTAAAGCTGTAATTTGGCAGACTACGAGATCGGAAGAGCGGTTCAG
chr15	57384100	57384139	TCF12_8322	+	GTGACCTATGCACCAGACGTAATTCTCTGCAAGTAGTCTTCTCAAAGCTTCTTTGGTCAGAGATCGGAAGAGCGGTTCAG
chr15	57458675	57458714	TCF12_8323	+	GTGACCTATGCACCAGACGTTGATTAAAAAAAGCAATGAGATGGTTTTTAAACACATAAAAGATCGGAAGAGCGGTTCAG
chr15	57484502	57484541	TCF12_8324	+	GTGACCTATGCACCAGACGTCACACAACAAATCCCATCCCACATATGTTGTTGTTGTTTTAGATCGGAAGAGCGGTTCAG
chr15	57490034	57490073	TCF12_8325	+	GTGACCTATGCACCAGACGTATCTTTTTTTAACTTGATGGTAAACAAACTGATTTCAAGTAGATCGGAAGAGCGGTTCAG
chr15	57511799	57511838	TCF12_8326	+	GTGACCTATGCACCAGACGTTTCTTTGTATAGCTTCTAACTCACTTGTTTAAAGGAAAGCAGATCGGAAGAGCGGTTCAG
chr15	57523466	57523505	TCF12_8327	+	GTGACCTATGCACCAGACGTCCAAACAATTGCCAAATACTACTGCAGTCATCTGTATATCAGATCGGAAGAGCGGTTCAG
chr15	57524639	57524678	TCF12_8328	+	GTGACCTATGCACCAGACGTACACGTGACTAGGGTACAGCAACACTTTGTCCTCACTTGTAGATCGGAAGAGCGGTTCAG
chr15	57525065	57525104	TCF12_8329	+	GTGACCTATGCACCAGACGTTGAGTTGGCAAAACTTCCTAAAAGTTTGTGGACTTTCAGTAGATCGGAAGAGCGGTTCAG
chr15	57526316	57526355	TCF12_8330	+	GTGACCTATGCACCAGACGTATTTTACACATTCTACTGAATGAATTTTACACTACTGAATAGATCGGAAGAGCGGTTCAG
chr15	57535759	57535798	TCF12_8331	+	GTGACCTATGCACCAGACGTGTTTTATCTACTTCTAACTGGTGGGACTACTTGGAAATATAGATCGGAAGAGCGGTTCAG
chr15	57543632	57543671	TCF12_8332	+	GTGACCTATGCACCAGACGTCTTATACATCAGTTTTATCTGATAGCTTAGAGTTTGTTTGAGATCGGAAGAGCGGTTCAG
chr15	57544701	57544740	TCF12_8333	+	GTGACCTATGCACCAGACGTTTTTAGATGGTGCCTTTTTTGTGTTTCAATTAATTATACTAGATCGGAAGAGCGGTTCAG
chr15	57545677	57545716	TCF12_8334	+	GTGACCTATGCACCAGACGTGCTCATCTTTTTTGTAGTAAACCCTAAAGATTCTTGTCCTAGATCGGAAGAGCGGTTCAG
chr15	57554417	57554456	TCF12_8335	+	GTGACCTATGCACCAGACGTTGTTGGTTTTCAGAAATAATGCAGACAGAGATATCATTTGAGATCGGAAGAGCGGTTCAG
chr15	57555483	57555522	TCF12_8336	+	GTGACCTATGCACCAGACGTGCATCCAGGTTTTAAATTTTATTCATTTTCCATAGGTAAAAGATCGGAAGAGCGGTTCAG
chr15	57565471	57565510	TCF12_8337	+	GTGACCTATGCACCAGACGTTCAGCCGAGATGTATAACTGTTCTGCTTCAGATGGGCAGAAGATCGGAAGAGCGGTTCAG
chr15	57574796	57574835	TCF12_8338	+	GTGACCTATGCACCAGACGTGGTAAGTACGGGTTTGAAAAGAAACAGCAAGGAAATAACCAGATCGGAAGAGCGGTTCAG
chr1	186283169	186283208	TPR_8339	+	GTGACCTATGCACCAGACGTAAAAAGAATCAAATTGAATATATCTTTTAAGAATTCAAAAAGATCGGAAGAGCGGTTCAG
chr1	186283867	186283906	TPR_8340	+	GTGACCTATGCACCAGACGTCATTAAGATAAAAGAAAAGCAAGTGAAAAAATGAGAAAGCAGATCGGAAGAGCGGTTCAG
chr1	186286743	186286782	TPR_8341	+	GTGACCTATGCACCAGACGTGAAAAATGAGAAAATACAAAACTGATCCTACAGTCAATCAAGATCGGAAGAGCGGTTCAG
chr1	186287746	186287785	TPR_8342	+	GTGACCTATGCACCAGACGTACAACACAAGAAAAAGAACTTTAAAACTTTGTGGTTTATCAGATCGGAAGAGCGGTTCAG
chr1	186287971	186288010	TPR_8343	+	GTGACCTATGCACCAGACGTTTCTGAATATTAATGAATGACTGAAAAAAACATAAAATTAAGATCGGAAGAGCGGTTCAG
chr1	186289561	186289600	TPR_8344	+	GTGACCTATGCACCAGACGTAAAAACTAATTTAAGATGAAATTTAAAGTTAACCTATTTAAGATCGGAAGAGCGGTTCAG
chr1	186291555	186291594	TPR_8345	+	GTGACCTATGCACCAGACGTGAAAACAGAGTTAACAAACAAAACACCACACATATGGACTAGATCGGAAGAGCGGTTCAG
chr1	186291729	186291768	TPR_8346	+	GTGACCTATGCACCAGACGTAGATAAAGGAATTACATTTGCTTTAAGAAATGAGGCAATGAGATCGGAAGAGCGGTTCAG
chr1	186293013	186293052	TPR_8347	+	GTGACCTATGCACCAGACGTAGAGAAATTTACTTTTGAACTGCTAAATTTACCACAAAAAAGATCGGAAGAGCGGTTCAG
chr1	186295378	186295417	TPR_8348	+	GTGACCTATGCACCAGACGTGTTCCCCAGGCATAAATAAAAGTTTAGAATATGGCCCACAAGATCGGAAGAGCGGTTCAG
chr1	186296803	186296842	TPR_8349	+	GTGACCTATGCACCAGACGTAAAAAAGTTAAAAAAGAATTAAGAGCCCTATAAACATACCAGATCGGAAGAGCGGTTCAG
chr1	186300724	186300763	TPR_8350	+	GTGACCTATGCACCAGACGTATACACTAATATATTAACCATATCAGTGTAGTAGATGAAGAGATCGGAAGAGCGGTTCAG
chr1	186301486	186301525	TPR_8351	+	GTGACCTATGCACCAGACGTATATAAATCTTGAATTAGAGCATGATAATAACTCAATTTAAGATCGGAAGAGCGGTTCAG
chr1	186302537	186302576	TPR_8352	+	GTGACCTATGCACCAGACGTATTATAATGCTGAATATAAGCCTTCTACTTTTATCAAAGCAGATCGGAAGAGCGGTTCAG

chr1	186303676	186303715	TPR_8353	+	GTGACCTATGCACCAGACGTAGAAAATGGAAGAATAATTAATAACAAATTATTATGCAAAAGATCGGAAGAGCGGTTCAG
chr1	186304272	186304311	TPR_8354	+	GTGACCTATGCACCAGACGTAAAGCTCTTGATTGTTGTTCCTAGCCCACAAGAGTCCACTAGATCGGAAGAGCGGTTCAG
chr1	186304686	186304725	TPR_8355	+	GTGACCTATGCACCAGACGTAACCAGGCGATTATATTAATATTATAATCAAACATTTAAAAGATCGGAAGAGCGGTTCAG
chr1	186305837	186305876	TPR_8356	+	GTGACCTATGCACCAGACGTAAACAAAGTATTCACCATGGAATTCAATCATTTCAATATAAGATCGGAAGAGCGGTTCAG
chr1	186307386	186307425	TPR_8357	+	GTGACCTATGCACCAGACGTTGGAGGAAAGAAGAAAGATTAAATATATGAGACATTTTTCAGATCGGAAGAGCGGTTCAG
chr1	186308915	186308954	TPR_8358	+	GTGACCTATGCACCAGACGTAAAAATGCATACTTGATTTTTTTAGGTTTTATGAAACAAAAGATCGGAAGAGCGGTTCAG
chr1	186310302	186310341	TPR_8359	+	GTGACCTATGCACCAGACGTTGCCAATATTTAACAACAAATGTAAAAATTCATTTATTATAGATCGGAAGAGCGGTTCAG
chr1	186310532	186310571	TPR_8360	+	GTGACCTATGCACCAGACGTCAAATAAATATACATACCAACATCTAACAATAGTTGAAAGAGATCGGAAGAGCGGTTCAG
chr1	186312616	186312655	TPR_8361	+	GTGACCTATGCACCAGACGTACAGATATTAAAATTTTATGTGAATTTTAAAAAGCCAACAAGATCGGAAGAGCGGTTCAG
chr1	186313233	186313272	TPR_8362	+	GTGACCTATGCACCAGACGTAGAGTCTATCAGAATAACAGATTTTCCAATGCATATTTAAAGATCGGAAGAGCGGTTCAG
chr1	186313721	186313760	TPR_8363	+	GTGACCTATGCACCAGACGTTTATTACCCAATTGATACCAAAGATTAAAAATCCATAAAAAGATCGGAAGAGCGGTTCAG
chr1	186314839	186314878	TPR_8364	+	GTGACCTATGCACCAGACGTAGAACAAGATTAAAACCAAAATTAATTGCAAACTTACTTGAGATCGGAAGAGCGGTTCAG
chr1	186315430	186315469	TPR_8365	+	GTGACCTATGCACCAGACGTTTACAAACAGTAGGATATAAAAATTACACACATTTAAAGTAGATCGGAAGAGCGGTTCAG
chr1	186316601	186316640	TPR_8366	+	GTGACCTATGCACCAGACGTTAACAGCTCTGTTAAAATTAACATTTTCAATAGTATTAGAAGATCGGAAGAGCGGTTCAG
chr1	186319531	186319570	TPR_8367	+	GTGACCTATGCACCAGACGTCATTAATCTTATAACATTCTTTAGGTTCCTAAGTAACTAAAGATCGGAAGAGCGGTTCAG
chr1	186320613	186320652	TPR_8368	+	GTGACCTATGCACCAGACGTGAAAAGATTTTTGGTTATGCTTAAGAAAAAGGCAATACAAAGATCGGAAGAGCGGTTCAG
chr1	186321253	186321292	TPR_8369	+	GTGACCTATGCACCAGACGTGTAGAAATGAAATAAAAAATGCTGAAAAACATGGTGTCAAAGATCGGAAGAGCGGTTCAG
chr1	186322993	186323032	TPR_8370	+	GTGACCTATGCACCAGACGTAAAAGTAATTCTACAAGTAACTGAAATGATATCCTAGCTTAGATCGGAAGAGCGGTTCAG
chr1	186324701	186324740	TPR_8371	+	GTGACCTATGCACCAGACGTGAGATTATGAGAAGGTAACACTGTGTTCTCTAAAAACCTAAGATCGGAAGAGCGGTTCAG
chr1	186324911	186324950	TPR_8372	+	GTGACCTATGCACCAGACGTGTAAAGACTAATAAAATGCTTTGTTGGCTTTCATAAATCAAGATCGGAAGAGCGGTTCAG
chr1	186325592	186325631	TPR_8373	+	GTGACCTATGCACCAGACGTAGTCGGCCTAATTCACAGGACTGAACTGAGAGTTAACTGAAGATCGGAAGAGCGGTTCAG
chr1	186326766	186326805	TPR_8374	+	GTGACCTATGCACCAGACGTAGTTTTAATATGTTATAAAATAGTATTAGTTACAATTCTGAGATCGGAAGAGCGGTTCAG
chr1	186327793	186327832	TPR_8375	+	GTGACCTATGCACCAGACGTTAAATTCAAGTGAAAATTTTGTACTTCCTTCTAGGATTTAAGATCGGAAGAGCGGTTCAG
chr1	186329139	186329178	TPR_8376	+	GTGACCTATGCACCAGACGTACAAAGGGTTGTTTCAAATCTAACCATAACAACGCAAATAAGATCGGAAGAGCGGTTCAG
chr1	186329507	186329546	TPR_8377	+	GTGACCTATGCACCAGACGTAAATACACATCTAGTATAATTTGTAAAATTCCAAACTAAAAGATCGGAAGAGCGGTTCAG
chr1	186330048	186330087	TPR_8378	+	GTGACCTATGCACCAGACGTATTTTAAAGACCAAATATTCAAACATACAGTTAAAATTTTAGATCGGAAGAGCGGTTCAG
chr1	186330852	186330891	TPR_8379	+	GTGACCTATGCACCAGACGTATCTTAAAAAGTTACCTAACAGTCAACAATGCAACATTTAAGATCGGAAGAGCGGTTCAG
chr1	186331012	186331051	TPR_8380	+	GTGACCTATGCACCAGACGTTAGCCCAATTATAGCAGTCTACTTTGAACTAAATTTAGAAAGATCGGAAGAGCGGTTCAG
chr1	186331523	186331562	TPR_8381	+	GTGACCTATGCACCAGACGTAAAATAGAGCAGGGGGAAAGGATGTCATATTAACTGAAATAGATCGGAAGAGCGGTTCAG
chr1	186332144	186332183	TPR_8382	+	GTGACCTATGCACCAGACGTCCAAGAAAATAACACGTACAGTTAAAGATGATATATGATTAGATCGGAAGAGCGGTTCAG
chr1	186332588	186332627	TPR_8383	+	GTGACCTATGCACCAGACGTGAAGAGAATTAAAAAATAATAACTAATTAACACTCAGGGGAGATCGGAAGAGCGGTTCAG
chr1	186337125	186337164	TPR_8384	+	GTGACCTATGCACCAGACGTAAGAAGTAATAAGTAAGAAAATCAAGTAGAGCAATACAGGAGATCGGAAGAGCGGTTCAG
chr1	186340186	186340225	TPR_8385	+	GTGACCTATGCACCAGACGTGGAATTTTATGAATACATACACATTTGCTTAAAACTTGCAAGATCGGAAGAGCGGTTCAG
chr1	186342606	186342645	TPR_8386	+	GTGACCTATGCACCAGACGTCAAGCAAAAAACAAAAAACAAAATCAAACACATGTACATAAGATCGGAAGAGCGGTTCAG
chr1	186344171	186344210	TPR_8387	+	GTGACCTATGCACCAGACGTCCAGGGACCCCAGTGGCAGCGGCCGACGGGGTAGAAGCGGAGATCGGAAGAGCGGTTCAG
chr6	43739060	43739099	VEGFA_8388	+	GTGACCTATGCACCAGACGTGTGCCCTGCTGGCGCCGCGGGCCGCTGCGAGCGCCTCTCCAGATCGGAAGAGCGGTTCAG
chr6	43742140	43742179	VEGFA_8389	+	GTGACCTATGCACCAGACGTCTGGCTGTTGGATGGGGTTCCCTGTCCTCTCAGGGGATGGAGATCGGAAGAGCGGTTCAG
chr6	43745413	43745452	VEGFA_8390	+	GTGACCTATGCACCAGACGTTTGGGAAGTGGGGCAAGGGGGGGATAGGGAGGGGGGTAACAGATCGGAAGAGCGGTTCAG
chr6	43746284	43746323	VEGFA_8391	+	GTGACCTATGCACCAGACGTAGTCACGGATTCATTATCAGCAAGTGGCTGCAGGGTGCCTAGATCGGAAGAGCGGTTCAG
chr6	43746666	43746705	VEGFA_8392	+	GTGACCTATGCACCAGACGTCTGACTTTAGCACTTCTCCCTCTCCATGGCCGGTTGTCTTAGATCGGAAGAGCGGTTCAG
chr6	43748533	43748572	VEGFA_8393	+	GTGACCTATGCACCAGACGTTGGAGCGTGTACGTTGGTGCCCGCTGCTGTCTAATGCCCTAGATCGGAAGAGCGGTTCAG
chr6	43748551	43748590	VEGFA_8394	+	GTGACCTATGCACCAGACGTGCCCGCTGCTGTCTAATGCCCTGGAGCCTCCCTGGCCCCCAGATCGGAAGAGCGGTTCAG
chr6	43749800	43749839	VEGFA_8395	+	GTGACCTATGCACCAGACGTTTGAGTTAAACGAACGTACTTGCAGGTTGGTTCCCAGAGGAGATCGGAAGAGCGGTTCAG
chr6	43752294	43752333	VEGFA_8396	+	GTGACCTATGCACCAGACGTCGGTGAGCCGGGCAGGAGGAAGGAGCCTCCCTCAGGGTTTAGATCGGAAGAGCGGTTCAG
chr6	43752310	43752349	VEGFA_8397	+	GTGACCTATGCACCAGACGTAGGAAGGAGCCTCCCTCAGGGTTTCGGGAACCAGATCTCTAGATCGGAAGAGCGGTTCAG
chr6	43752376	43752415	VEGFA_8398	+	GTGACCTATGCACCAGACGTTCGATACAGAAACCACGCTGCCGCCACCACACCATCACCAAGATCGGAAGAGCGGTTCAG
chr6	43738757	43738796	VEGFA_8399	+	GTGACCTATGCACCAGACGTGGGGGCCGCAGTGGCGACTCGGCGCTCGGAAGCCGGGCTCAGATCGGAAGAGCGGTTCAG
chr17	48712353	48712392	ABCC3_8400	+	GTGACCTATGCACCAGACGTGGGCTCCGGGGTCACTGCGCGGGGGCCAGGGTCGGCCGGCAGATCGGAAGAGCGGTTCAG
chr17	48733380	48733419	ABCC3_8401	+	GTGACCTATGCACCAGACGTCAGGGATCTCCTACCGATGGGGCTGGGCCCTGGGGATTCTAGATCGGAAGAGCGGTTCAG
chr17	48734199	48734238	ABCC3_8402	+	GTGACCTATGCACCAGACGTGGCCCTGGGAAAGTGGATGGGGGAGGTCTCCATTGGGTTGAGATCGGAAGAGCGGTTCAG
chr17	48734555	48734594	ABCC3_8403	+	GTGACCTATGCACCAGACGTGGGAGAGGGGAACCTGCCAGGTTTAGCCCTGATAGGAGGGAGATCGGAAGAGCGGTTCAG
chr17	48735579	48735618	ABCC3_8404	+	GTGACCTATGCACCAGACGTCATGGAGGGTGCGGGGGCTCCACAGCTGAGTCCTCAGCCCAGATCGGAAGAGCGGTTCAG
chr17	48735868	48735907	ABCC3_8405	+	GTGACCTATGCACCAGACGTTCTTCCACCAGCCAGGCCAGAGGGAGGGGAGGGATGGAAGAGATCGGAAGAGCGGTTCAG
chr17	48736740	48736779	ABCC3_8406	+	GTGACCTATGCACCAGACGTCCCCTTGCCCCAACACCCAGCCCCTTCGCTTACCCCAGATAGATCGGAAGAGCGGTTCAG
chr17	48738486	48738525	ABCC3_8407	+	GTGACCTATGCACCAGACGTACTCCGGCTCACTATAGCCCTGCCCTGGGCAGCAGGGCTGAGATCGGAAGAGCGGTTCAG
chr17	48741230	48741269	ABCC3_8408	+	GTGACCTATGCACCAGACGTGCAGGGCCCAGGGGAAAGGCTGGCCCTGGGCAGCTTGCAAAGATCGGAAGAGCGGTTCAG
chr17	48741483	48741522	ABCC3_8409	+	GTGACCTATGCACCAGACGTAACCCTGACCTCTGCCTCCTTCCTCTGACATGCTGCAGAAAGATCGGAAGAGCGGTTCAG
chr17	48742617	48742656	ABCC3_8410	+	GTGACCTATGCACCAGACGTTCAGAGGTGCATCCTCCTGCCTGCAGCACCCGGCCGGCTGAGATCGGAAGAGCGGTTCAG

chr17	48745129	48745168	ABCC3_8411	+	GTGACCTATGCACCAGACGTGCACAGGGCTGGGTCCCTGCCTCCAGGGCTCTGGGTGCCCAGATCGGAAGAGCGGTTCAG
chr17	48745213	48745252	ABCC3_8412	+	GTGACCTATGCACCAGACGTACGCTGCTCAGGTGACCCTGATCACCCTCTGGGTGTACGTAGATCGGAAGAGCGGTTCAG
chr17	48745381	48745420	ABCC3_8413	+	GTGACCTATGCACCAGACGTGTAGGGCTGGGGGCTCTACTGGAGTTGGAACAGGTTGTTGAGATCGGAAGAGCGGTTCAG
chr17	48745889	48745928	ABCC3_8414	+	GTGACCTATGCACCAGACGTCCCCTACCTGGGCTGCCTGCCCCAGTCCTTGCTCCAGAAAAGATCGGAAGAGCGGTTCAG
chr17	48746291	48746330	ABCC3_8415	+	GTGACCTATGCACCAGACGTCTCCCACTCCCTTCCCAGCTGCCCACGGTGGGCTGGAAGTAGATCGGAAGAGCGGTTCAG
chr17	48746638	48746677	ABCC3_8416	+	GTGACCTATGCACCAGACGTCAGGGGCTCCTGGGCAGGGTGTGGGGCTCAGCCAGGCCTTAGATCGGAAGAGCGGTTCAG
chr17	48746900	48746939	ABCC3_8417	+	GTGACCTATGCACCAGACGTCTCTTCCATCCCTAAGAGGCTAGGGCATAGAGCTGCCCACAGATCGGAAGAGCGGTTCAG
chr17	48750510	48750549	ABCC3_8418	+	GTGACCTATGCACCAGACGTCCAGAGGCTAAGGGGGCTAAGGTGAGATCTGAGGCCCGAAAGATCGGAAGAGCGGTTCAG
chr17	48751030	48751069	ABCC3_8419	+	GTGACCTATGCACCAGACGTTCCTGGGCCCTCTGATTCCCATGCCTTCCCAGCATTCCCCAGATCGGAAGAGCGGTTCAG
chr17	48752848	48752887	ABCC3_8420	+	GTGACCTATGCACCAGACGTGAGAGCTCCCAGCCCTCCCGGAGGCTGTATCAGGCCTCCCAGATCGGAAGAGCGGTTCAG
chr17	48753147	48753186	ABCC3_8421	+	GTGACCTATGCACCAGACGTGGGGCAAGAGGGGCTGGAGGGGATGGACAGGCAGGCCCCAAGATCGGAAGAGCGGTTCAG
chr17	48753462	48753501	ABCC3_8422	+	GTGACCTATGCACCAGACGTGGGGGTGTCCAGAAGGGGCTCCAATATCCCTTCTTCTCTGAGATCGGAAGAGCGGTTCAG
chr17	48753960	48753999	ABCC3_8423	+	GTGACCTATGCACCAGACGTGGCGTGATTCCAGTGTGGGCGTGGTGTTATTGGGGCGGGGAGATCGGAAGAGCGGTTCAG
chr17	48755315	48755354	ABCC3_8424	+	GTGACCTATGCACCAGACGTGCCTCCCTCGCTCCCTGCTCCTCCAGGAATTCCCAGCAGGAGATCGGAAGAGCGGTTCAG
chr17	48755591	48755630	ABCC3_8425	+	GTGACCTATGCACCAGACGTCCTGGACCCCAGGGCAGGGCCACCACTGGGACAGAAACCAAGATCGGAAGAGCGGTTCAG
chr17	48757271	48757310	ABCC3_8426	+	GTGACCTATGCACCAGACGTGCATGAGCCCGGGACAGGGGGAATCTGAAGTAGCTGGGGAAGATCGGAAGAGCGGTTCAG
chr17	48761128	48761167	ABCC3_8427	+	GTGACCTATGCACCAGACGTGGTAGGCGGGCCTGCGTGTGTGTTCATGCCTGCAGACATGAGATCGGAAGAGCGGTTCAG
chr17	48761479	48761518	ABCC3_8428	+	GTGACCTATGCACCAGACGTGGCATGGGCTGGCCACACTCACCAACGGCCCTGGAGGCAGAGATCGGAAGAGCGGTTCAG
chr17	48762247	48762286	ABCC3_8429	+	GTGACCTATGCACCAGACGTGGAGTGCAGAGGTCAGGAACTGCAACCCTCCCTGGGAAACAGATCGGAAGAGCGGTTCAG
chr17	48765102	48765141	ABCC3_8430	+	GTGACCTATGCACCAGACGTGAAACCTGAGCAATGGGGAACCTGGTGGGGCCACCTGGGGAGATCGGAAGAGCGGTTCAG
chr17	48768572	48768611	ABCC3_8431	+	GTGACCTATGCACCAGACGTTGAGATTTCCTCCTGGCCTTTCCTGGTTTTCATCAGGAAGAGATCGGAAGAGCGGTTCAG
chr11	35160928	35160967	CD44_8432	+	GTGACCTATGCACCAGACGTGCCGCAGCCTGGGCAGCAAGATGGGTGCGGGGTGCTCAGCAGATCGGAAGAGCGGTTCAG
chr11	35198298	35198337	CD44_8433	+	GTGACCTATGCACCAGACGTAGCACCCGACCACTGGGGAAAGCTGGCGGCCTGGGACCAGAGATCGGAAGAGCGGTTCAG
chr11	35201965	35202004	CD44_8434	+	GTGACCTATGCACCAGACGTAGGGGGGTGTCTGTTGGCGTGAAAGGCTGTGGGAGCCTGGAGATCGGAAGAGCGGTTCAG
chr11	35208458	35208497	CD44_8435	+	GTGACCTATGCACCAGACGTCTTCTAATCTTAATTAAATTTTCCTATTTTGGGGAAAGGGAGATCGGAAGAGCGGTTCAG
chr11	35211623	35211662	CD44_8436	+	GTGACCTATGCACCAGACGTTAAATCACTGTGCTTCCCAATAGCAATTCCCTGGCAAAATAGATCGGAAGAGCGGTTCAG
chr11	35218432	35218471	CD44_8437	+	GTGACCTATGCACCAGACGTATTATTATCTCATAGCGTATGTTTTCTTGACAGCCTTGAAAGATCGGAAGAGCGGTTCAG
chr11	35219804	35219843	CD44_8438	+	GTGACCTATGCACCAGACGTTCAATTACAGTACAGCCATTTATGCAAGGCTTATTGATTAAGATCGGAAGAGCGGTTCAG
chr11	35222753	35222792	CD44_8439	+	GTGACCTATGCACCAGACGTCTGCATATTTAATGAAAGATTTTTTTCCCCTCAAAGCCCAAGATCGGAAGAGCGGTTCAG
chr11	35223345	35223384	CD44_8440	+	GTGACCTATGCACCAGACGTTGGCGGTCGGCAGTTCTGGGTTAGATGAATTAGTAAAGACAGATCGGAAGAGCGGTTCAG
chr11	35226198	35226237	CD44_8441	+	GTGACCTATGCACCAGACGTGTTTAACAAGTAAATTTGGATGGAAACTTCCTTTTGGGTTAGATCGGAAGAGCGGTTCAG
chr11	35227801	35227840	CD44_8442	+	GTGACCTATGCACCAGACGTCTGAGATTTTTATATATTATGTTTTTTGAAATCCACTGAGAGATCGGAAGAGCGGTTCAG
chr11	35229764	35229803	CD44_8443	+	GTGACCTATGCACCAGACGTCGATGCTCAGCCACTTTATTGACTTGTATTCCTGCTTCATAGATCGGAAGAGCGGTTCAG
chr11	35231612	35231651	CD44_8444	+	GTGACCTATGCACCAGACGTTAAAACCTAGTTGGCTTCAGCTATTGATAAGAATCAATCAAGATCGGAAGAGCGGTTCAG
chr11	35233007	35233046	CD44_8445	+	GTGACCTATGCACCAGACGTATTTATTATCTAGTTTGCTTTCTCTATATAGAGAAACAATAGATCGGAAGAGCGGTTCAG
chr11	35236472	35236511	CD44_8446	+	GTGACCTATGCACCAGACGTAACTGCTTTAGTCATTTACTGTTATAATCATTGAGCCTAAAGATCGGAAGAGCGGTTCAG
chr11	35240945	35240984	CD44_8447	+	GTGACCTATGCACCAGACGTAACTTTGAGGCAGAAAAACACACTGAAAGCAGCTTTCTCAAGATCGGAAGAGCGGTTCAG
chr11	35243290	35243329	CD44_8448	+	GTGACCTATGCACCAGACGTGTCCTGGGGGCTTTCAACTTGGAAAGGGCATCATTTAAACAGATCGGAAGAGCGGTTCAG
chr11	35250845	35250884	CD44_8449	+	GTGACCTATGCACCAGACGTAACCTGCAGAATGTGGACATGAAGATTGGGGTGTAACACCAGATCGGAAGAGCGGTTCAG
chr11	35250891	35250930	CD44_8450	+	GTGACCTATGCACCAGACGTATTATCTTGGAAAGAAACAACCGTTGGAAACATAACCATTAGATCGGAAGAGCGGTTCAG
chr19	10678104	10678143	CDKN2D_8451	+	GTGACCTATGCACCAGACGTGACAGAGGATCAGGAGGTCCTCAAGGGAGGAGGTTCCACAAGATCGGAAGAGCGGTTCAG
chr19	10679340	10679379	CDKN2D_8452	+	GTGACCTATGCACCAGACGTGCGGCCTGCAAAGCCCCCCGCCCCGCCCCAGCCCGGCGCTAGATCGGAAGAGCGGTTCAG
chr5	149433798	149433837	CSF1R_8453	+	GTGACCTATGCACCAGACGTGAGGGACCAGAAACTGTCAGTCCAGATCCATCAGGCCCAGAGATCGGAAGAGCGGTTCAG
chr5	149434004	149434043	CSF1R_8454	+	GTGACCTATGCACCAGACGTGGACAGAGGATGCCCATGGGCAGCTCCCTAGGGTCCAGGGAGATCGGAAGAGCGGTTCAG
chr5	149434910	149434949	CSF1R_8455	+	GTGACCTATGCACCAGACGTCAAGATCAGGTAAGAGGCCATGCCCATTGTCTTCTCCCCAAGATCGGAAGAGCGGTTCAG
chr5	149435711	149435750	CSF1R_8456	+	GTGACCTATGCACCAGACGTAGTCCCCAGTTATTTTGGGCCCCGACTCTTCACCCCCTCCAGATCGGAAGAGCGGTTCAG
chr5	149435915	149435954	CSF1R_8457	+	GTGACCTATGCACCAGACGTGCACTGCAGGGTTAGTCTTGGGCCTTCTCCTACCTGAGCCAGATCGGAAGAGCGGTTCAG
chr5	149436958	149436997	CSF1R_8458	+	GTGACCTATGCACCAGACGTAAGAGGCGTCAGGGCAGCCCTGCCACACTCCCCACCCCTCAGATCGGAAGAGCGGTTCAG
chr5	149437166	149437205	CSF1R_8459	+	GTGACCTATGCACCAGACGTGAGAGGGTTGGGGGGCAGAGGTCACTCATCATCACTGCACAGATCGGAAGAGCGGTTCAG
chr5	149439436	149439475	CSF1R_8460	+	GTGACCTATGCACCAGACGTCAAGGGTGTGGGGTGAGGGAGGTGCTGAGTGCTCCCCTCCAGATCGGAAGAGCGGTTCAG
chr5	149440546	149440585	CSF1R_8461	+	GTGACCTATGCACCAGACGTGAACCACAGTCCCAAAGACAGGGAGAGGGCAGGACAGAGAAGATCGGAAGAGCGGTTCAG
chr5	149441169	149441208	CSF1R_8462	+	GTGACCTATGCACCAGACGTCACAGGTCCCTTAAGTCCCTGGGCACCAAAGGGCCTCTGTAGATCGGAAGAGCGGTTCAG
chr5	149441423	149441462	CSF1R_8463	+	GTGACCTATGCACCAGACGTGGAAGGGAGCACGTGGCAGTCGGGGCTGGCAGGCAGTTCCAGATCGGAAGAGCGGTTCAG
chr5	149447904	149447943	CSF1R_8464	+	GTGACCTATGCACCAGACGTTGAAGCAAAGCAGTGAGCAGGCAGGGGTGCCTCCGAGCCCAGATCGGAAGAGCGGTTCAG
chr5	149449637	149449676	CSF1R_8465	+	GTGACCTATGCACCAGACGTCAGAATGTGGCTCAGAGCTTCAGGGTTCCCAGCGCCAGCAAGATCGGAAGAGCGGTTCAG
chr5	149449876	149449915	CSF1R_8466	+	GTGACCTATGCACCAGACGTAAGGAGGAGGCCCCAAGTCACACTTTCCCCGCCACCTCCCAGATCGGAAGAGCGGTTCAG
chr5	149450145	149450184	CSF1R_8467	+	GTGACCTATGCACCAGACGTGAATCAGGTGGTGTTGGTGAGCCCCAGCCTAGTATGGCCCAGATCGGAAGAGCGGTTCAG
chr5	149453067	149453106	CSF1R_8468	+	GTGACCTATGCACCAGACGTGAACACACAAGCATCTGGCATTAGTGGGAAGATGTCCTTGAGATCGGAAGAGCGGTTCAG

chr5	149457822	149457861	CSF1R_8469	+	GTGACCTATGCACCAGACGTGGGAGAGACCCCTGAACACCCAGGCTCCCTGAACATGATAAGATCGGAAGAGCGGTTCAG
chr5	149459910	149459949	CSF1R_8470	+	GTGACCTATGCACCAGACGTGGAGGGCACAGGGTTACAACTGCCCTCCCTCCACTGGGCCAGATCGGAAGAGCGGTTCAG
chr5	149460598	149460637	CSF1R_8471	+	GTGACCTATGCACCAGACGTAGAGGGACAGCAGACAGAAGTGAGGTCTAGGATGCGCCCCAGATCGGAAGAGCGGTTCAG
chr5	149466001	149466040	CSF1R_8472	+	GTGACCTATGCACCAGACGTGGGAAGTGGCAGGCAGGTGCAGGGCTGCAAGGTGCCCAGGAGATCGGAAGAGCGGTTCAG
chr1	97544713	97544752	DPYD_8473	+	GTGACCTATGCACCAGACGTAAATAGAGGGTATTGATGTCACTGACCACAAAGGTCAACAAGATCGGAAGAGCGGTTCAG
chr1	97548037	97548076	DPYD_8474	+	GTGACCTATGCACCAGACGTCCACTGAATTACTTAGCAAGCTCATTTTAAAACATTTTCAAGATCGGAAGAGCGGTTCAG
chr1	97564199	97564238	DPYD_8475	+	GTGACCTATGCACCAGACGTAACACACAAATAAGGAAGCATGTTAGCTCAGAGAAGAGAAAGATCGGAAGAGCGGTTCAG
chr1	97658815	97658854	DPYD_8476	+	GTGACCTATGCACCAGACGTCAGAGCAGTCAACCAAGTGTCAAACCAAGAGATAATTCTCAGATCGGAAGAGCGGTTCAG
chr1	97700561	97700600	DPYD_8477	+	GTGACCTATGCACCAGACGTTCAGAATAATCAATGGTTAGCACACTGACCACTTGAGTATAGATCGGAAGAGCGGTTCAG
chr1	97770945	97770984	DPYD_8478	+	GTGACCTATGCACCAGACGTCACATCAACATTTTCATGCAGCTCTTATAAGACACGATAGAGATCGGAAGAGCGGTTCAG
chr1	97771864	97771903	DPYD_8479	+	GTGACCTATGCACCAGACGTAGGTCGGTTAAATATAGAACAAAATTAAAGAATTGTGATCAGATCGGAAGAGCGGTTCAG
chr1	97839211	97839250	DPYD_8480	+	GTGACCTATGCACCAGACGTGAAAGGAAAATGAAAGAAAAGGCAAAGCTTTATTTATATAAGATCGGAAGAGCGGTTCAG
chr1	97848028	97848067	DPYD_8481	+	GTGACCTATGCACCAGACGTAAAAACAAAAGAATATAAGTTCAAGTAGTTATCCAGTTGTAGATCGGAAGAGCGGTTCAG
chr1	97915790	97915829	DPYD_8482	+	GTGACCTATGCACCAGACGTAGTAAAGATATTGAGTCTCCTTTTGACAAAGAAAAGCTATAGATCGGAAGAGCGGTTCAG
chr1	97981508	97981547	DPYD_8483	+	GTGACCTATGCACCAGACGTCAAACCAATACTTGGTTTCATATTACATCTAAATTGTCCAAGATCGGAAGAGCGGTTCAG
chr1	98015311	98015350	DPYD_8484	+	GTGACCTATGCACCAGACGTAAGTGAAAAACAATAGACAATCACTAGTCAACAGACAATTAGATCGGAAGAGCGGTTCAG
chr1	98039537	98039576	DPYD_8485	+	GTGACCTATGCACCAGACGTACAGAACAGAGAAGAAACTTGAAAATGTTTCTTATTCCACAGATCGGAAGAGCGGTTCAG
chr1	98058954	98058993	DPYD_8486	+	GTGACCTATGCACCAGACGTAAAGGAAAACCCCATTTTCAAGTAGAGAAACCATTTCTGCAGATCGGAAGAGCGGTTCAG
chr1	98060733	98060772	DPYD_8487	+	GTGACCTATGCACCAGACGTAAATTTATAAAATATCATTAGCAGGAGGAGGGGCTTTTCCAGATCGGAAGAGCGGTTCAG
chr1	98144749	98144788	DPYD_8488	+	GTGACCTATGCACCAGACGTCAATATTTTGCATAAGAAAATTTGGCATATGATTAATTAAAGATCGGAAGAGCGGTTCAG
chr1	98157365	98157404	DPYD_8489	+	GTGACCTATGCACCAGACGTAGGAGAAAGAAAAACAGGCATCAGTAGAAAAATGACCAATAGATCGGAAGAGCGGTTCAG
chr1	98165114	98165153	DPYD_8490	+	GTGACCTATGCACCAGACGTATCAATTGTCATGGTTAAAATTTTGAAACTAGCTTACATCAGATCGGAAGAGCGGTTCAG
chr1	98187238	98187277	DPYD_8491	+	GTGACCTATGCACCAGACGTAATACAAAATAAAATTTTACTACTTAAAAATATACTTTAAAGATCGGAAGAGCGGTTCAG
chr1	98206046	98206085	DPYD_8492	+	GTGACCTATGCACCAGACGTAAATAACTATGTTAAGAAACTACAAGATAAGTGAGATAATAGATCGGAAGAGCGGTTCAG
chr1	98293763	98293802	DPYD_8493	+	GTGACCTATGCACCAGACGTTTTAAAAATTGCATTAATTCTCTAAGATCCTGAGAAAAATAGATCGGAAGAGCGGTTCAG
chr1	98348941	98348980	DPYD_8494	+	GTGACCTATGCACCAGACGTCATAAACAATGTGTAAATATATGGAAATATGTTGGCATTTAGATCGGAAGAGCGGTTCAG
chr1	98386489	98386528	DPYD_8495	+	GTGACCTATGCACCAGACGTACAGTCTCGAGTCTGCCAGTGACAAACCCTCCTTGCGTCCAGATCGGAAGAGCGGTTCAG
chr14	64694343	64694382	ESR2_8496	+	GTGACCTATGCACCAGACGTGATGCGGGACAAGTCAAAGTTGCAGTGAAAGGAAGTGTGGAGATCGGAAGAGCGGTTCAG
chr14	64700052	64700091	ESR2_8497	+	GTGACCTATGCACCAGACGTAAAAAGGTGCTGAGATTCCCTCCTCCGAGGCAGCCACAGGAGATCGGAAGAGCGGTTCAG
chr14	64701879	64701918	ESR2_8498	+	GTGACCTATGCACCAGACGTAATAAAAGCCAGAAGTCATTGCTCTGAGCAAAGGAGCAGAAGATCGGAAGAGCGGTTCAG
chr14	64716408	64716447	ESR2_8499	+	GTGACCTATGCACCAGACGTTCGTTTGGAAATTTAAGGAACATAGCTTCAGGAAACCATCAGATCGGAAGAGCGGTTCAG
chr14	64724093	64724132	ESR2_8500	+	GTGACCTATGCACCAGACGTCAAGAGGCGGTGAGACACCCCCACCCCTCCTCCTCAGCTCAGATCGGAAGAGCGGTTCAG
chr14	64727477	64727516	ESR2_8501	+	GTGACCTATGCACCAGACGTAAGCAGAGTCATTCGAATTGCCAGGGTAAAACCGCAGTCAAGATCGGAAGAGCGGTTCAG
chr14	64735640	64735679	ESR2_8502	+	GTGACCTATGCACCAGACGTGTGGGAGGGAAAAAAAGATTATTGCTATGATCTCTTAGTTAGATCGGAAGAGCGGTTCAG
chr14	64746882	64746921	ESR2_8503	+	GTGACCTATGCACCAGACGTAAGAAAATATCCATTGAACAGAGCATAAAAGGGAAAGGAAAGATCGGAAGAGCGGTTCAG
chr14	64749714	64749753	ESR2_8504	+	GTGACCTATGCACCAGACGTAACAGCTGAGAAAACACCTTGCAAGAAGAGGCACAAAGGTAGATCGGAAGAGCGGTTCAG
chr22	29664349	29664388	EWSR1_8505	+	GTGACCTATGCACCAGACGTTGGAACTGCGGTCGCGCCGGCGGTAGCCGGAACGCCCAAAAGATCGGAAGAGCGGTTCAG
chr22	29668252	29668291	EWSR1_8506	+	GTGACCTATGCACCAGACGTCTTTTATAACCGTATTTTGTGTGTGATTAATATTTTTTGAAGATCGGAAGAGCGGTTCAG
chr22	29668431	29668470	EWSR1_8507	+	GTGACCTATGCACCAGACGTAAATAATTACATGTAGCTGCACCTCCAAGTAAAATCAGTAAGATCGGAAGAGCGGTTCAG
chr22	29669864	29669903	EWSR1_8508	+	GTGACCTATGCACCAGACGTCCTTGGAGAGATTTTTGGGTCGTTCTGGCTAGGGCATTGGAGATCGGAAGAGCGGTTCAG
chr22	29674216	29674255	EWSR1_8509	+	GTGACCTATGCACCAGACGTGGTGTCCTTAATGCGTCAGTCTTATGTTGGAGGGAAAGAAAGATCGGAAGAGCGGTTCAG
chr22	29678557	29678596	EWSR1_8510	+	GTGACCTATGCACCAGACGTTTTTTGTGGCAAAACAAAAACAGTGACAAAACAGTTTTTTAGATCGGAAGAGCGGTTCAG
chr22	29683134	29683173	EWSR1_8511	+	GTGACCTATGCACCAGACGTAAGAGAGAAAACCAAATAAGAATGAATGTGTTTAGAGTTTAGATCGGAAGAGCGGTTCAG
chr22	29684786	29684825	EWSR1_8512	+	GTGACCTATGCACCAGACGTACCTTTTCTCCTTTTACCTAATTTTGTTTCATCCATAGGAAGATCGGAAGAGCGGTTCAG
chr22	29687599	29687638	EWSR1_8513	+	GTGACCTATGCACCAGACGTGAGTATTACCATAGATAGTGTTTAAAAAAAAATGCAGTCAAGATCGGAAGAGCGGTTCAG
chr22	29688169	29688208	EWSR1_8514	+	GTGACCTATGCACCAGACGTATTCTAGTTGTGCTTCATATCGTGCTTTGTAAATTAATGGAGATCGGAAGAGCGGTTCAG
chr22	29688606	29688645	EWSR1_8515	+	GTGACCTATGCACCAGACGTGCATAACCAGGTCATCTGGCAGAACTTTAAACCACAGAGCAGATCGGAAGAGCGGTTCAG
chr22	29692369	29692408	EWSR1_8516	+	GTGACCTATGCACCAGACGTCTCACTGGCATTCTTAATCTCCCTGGCTATAGAATATGGCAGATCGGAAGAGCGGTTCAG
chr22	29693950	29693989	EWSR1_8517	+	GTGACCTATGCACCAGACGTTGAGCTCCTATGTTGCATTAAAAGGTTTTCAGTACACTTCAGATCGGAAGAGCGGTTCAG
chr22	29694896	29694935	EWSR1_8518	+	GTGACCTATGCACCAGACGTGTCTTGGCAAATTGATACCCTACGAGTGAAGCCACCCTTCAGATCGGAAGAGCGGTTCAG
chr22	29695332	29695371	EWSR1_8519	+	GTGACCTATGCACCAGACGTGTTTCATGAGTGTCCCCTCAGCTTCCTGGTGCTAAACCTCAGATCGGAAGAGCGGTTCAG
chr22	29695852	29695891	EWSR1_8520	+	GTGACCTATGCACCAGACGTGTGAAAAGCAGCTGTGGGCCGCCAGGCACAGTAAGAGGACAGATCGGAAGAGCGGTTCAG
chr22	29696162	29696201	EWSR1_8521	+	GTGACCTATGCACCAGACGTCCCGCAGAGCTGCATTGACTACCAGATTTATTTTTTAAACAGATCGGAAGAGCGGTTCAG
chr3	10070416	10070455	FANCD2_8522	+	GTGACCTATGCACCAGACGTAGTCATTTGTTGCTTTATTTCCTGTAGCAATGTGTGAGGCAGATCGGAAGAGCGGTTCAG
chr3	10074667	10074706	FANCD2_8523	+	GTGACCTATGCACCAGACGTAATCTAATTTTATTCTCTGGGTTTAATGAAATAGTTCAGGAGATCGGAAGAGCGGTTCAG
chr3	10076231	10076270	FANCD2_8524	+	GTGACCTATGCACCAGACGTTTCCCCTGGTATTTTTGCTTGTGCCAGCATAACTCTAGAAAGATCGGAAGAGCGGTTCAG
chr3	10076493	10076532	FANCD2_8525	+	GTGACCTATGCACCAGACGTGAGGCATGGAATCTTGCTGAAATTCAGTCTGTTTTGCCAAAGATCGGAAGAGCGGTTCAG
chr3	10076928	10076967	FANCD2_8526	+	GTGACCTATGCACCAGACGTCACTTTTTCTGTGAACATTTGATGGAAGAGGTTTGTGGTGAGATCGGAAGAGCGGTTCAG

chr3	10078034	10078073	FANCD2_8527	+	GTGACCTATGCACCAGACGTTTATTATGGAATGTTCAAAGTACCCTGATGTACTTAAGTTAGATCGGAAGAGCGGTTCAG
chr3	10081052	10081091	FANCD2_8528	+	GTGACCTATGCACCAGACGTGGACTTTATCTCTTGAATTTAAAGAGTATGTTTCTCATATAGATCGGAAGAGCGGTTCAG
chr3	10081540	10081579	FANCD2_8529	+	GTGACCTATGCACCAGACGTCCTCTGTCATCATCTAAGTGAGGCTCAGCTATGGGGGTTCAGATCGGAAGAGCGGTTCAG
chr3	10083405	10083444	FANCD2_8530	+	GTGACCTATGCACCAGACGTCTCAGCTTTCCAGAAACAGAGCCAGCTTTCCAACCTCCCAAGATCGGAAGAGCGGTTCAG
chr3	10084358	10084397	FANCD2_8531	+	GTGACCTATGCACCAGACGTATATCCCATCACACCTAGATAAAGCAACTTAAGTGCCAATAGATCGGAAGAGCGGTTCAG
chr3	10084845	10084884	FANCD2_8532	+	GTGACCTATGCACCAGACGTCATCCTCACACAGGATGTCACAATTTTCTGACATCCCACTAGATCGGAAGAGCGGTTCAG
chr3	10085287	10085326	FANCD2_8533	+	GTGACCTATGCACCAGACGTTGGAACTTTGATTATCAAGGAGGAAATGAGTGGCAATTAGAGATCGGAAGAGCGGTTCAG
chr3	10085559	10085598	FANCD2_8534	+	GTGACCTATGCACCAGACGTTGTACTATGCATTTTCAGTATTGCAGACTTAAAAGTAATGAGATCGGAAGAGCGGTTCAG
chr3	10089746	10089785	FANCD2_8535	+	GTGACCTATGCACCAGACGTACATTTATTTTGGCAAGGAGGGAACACAGAAAGGGAAAATAGATCGGAAGAGCGGTTCAG
chr3	10091200	10091239	FANCD2_8536	+	GTGACCTATGCACCAGACGTGGCTTCTTGTACTTTAGATATTGAATACTATAATTGGTGGAGATCGGAAGAGCGGTTCAG
chr3	10102098	10102137	FANCD2_8537	+	GTGACCTATGCACCAGACGTAGATTCTGACTTCTGTGGTTTAAGATCAGTTAATCTTGCTAGATCGGAAGAGCGGTTCAG
chr3	10105606	10105645	FANCD2_8538	+	GTGACCTATGCACCAGACGTTTGTCTTTTCTTAAAGCAATAAAGCATGAGAGCTGCTTTAAGATCGGAAGAGCGGTTCAG
chr3	10106124	10106163	FANCD2_8539	+	GTGACCTATGCACCAGACGTTTTACCTGCTGGCTTGGTTGCACTGGTGAAGTTACATCAAAGATCGGAAGAGCGGTTCAG
chr3	10106570	10106609	FANCD2_8540	+	GTGACCTATGCACCAGACGTTTTTTCTTTTCTAAACCTGTTAGTGTTTTGAATGTTCATGAGATCGGAAGAGCGGTTCAG
chr3	10107189	10107228	FANCD2_8541	+	GTGACCTATGCACCAGACGTAAGTCATCAGATCCTTTCTTCTTTATACTCTTCCTTTGGTAGATCGGAAGAGCGGTTCAG
chr3	10107674	10107713	FANCD2_8542	+	GTGACCTATGCACCAGACGTTTAATAGGATGTTTCACTTATTGTGCATAGTTTTTCTCAAAGATCGGAAGAGCGGTTCAG
chr3	10109012	10109051	FANCD2_8543	+	GTGACCTATGCACCAGACGTTGTCCTATACTGGTAGTACTACTAGGCCAGTAGTGAGGCAAGATCGGAAGAGCGGTTCAG
chr3	10114676	10114715	FANCD2_8544	+	GTGACCTATGCACCAGACGTTCTTTTCCTCTTGTCTTGTGTCTCTAAATAAGCTTCATTGAGATCGGAAGAGCGGTTCAG
chr3	10115057	10115096	FANCD2_8545	+	GTGACCTATGCACCAGACGTGATGGGTATCCGTGAAGGTTTGTGACATCCCAGTGAGATTAGATCGGAAGAGCGGTTCAG
chr3	10116368	10116407	FANCD2_8546	+	GTGACCTATGCACCAGACGTGGCTAGGATCTCAGAATTTAATCTTCTTTCAGAAAGTTCCAGATCGGAAGAGCGGTTCAG
chr3	10119892	10119931	FANCD2_8547	+	GTGACCTATGCACCAGACGTGCAGAAGCATAGGACTTGGGCATAGTGGATTTGGGAACAAAGATCGGAAGAGCGGTTCAG
chr3	10122923	10122962	FANCD2_8548	+	GTGACCTATGCACCAGACGTTAGACTTAGAAGCTGCTAAGCAAATATGAGGTTTCATTTTAGATCGGAAGAGCGGTTCAG
chr3	10123159	10123198	FANCD2_8549	+	GTGACCTATGCACCAGACGTGGGAAGTGTGGAGAGAACTGAGTATATACTTGCTTTTATTAGATCGGAAGAGCGGTTCAG
chr3	10127617	10127656	FANCD2_8550	+	GTGACCTATGCACCAGACGTACTACATAGCCAAGATTGTTGTCCCAAGAAACTCCTAGGAAGATCGGAAGAGCGGTTCAG
chr3	10130237	10130276	FANCD2_8551	+	GTGACCTATGCACCAGACGTTGGTTTCTTCCAATGAGCCAAATAGCTTTTTTCTATTTTGAGATCGGAAGAGCGGTTCAG
chr3	10130645	10130684	FANCD2_8552	+	GTGACCTATGCACCAGACGTTCTTTCCTCCAGTTTTTCCCTTAAGATAGAATCATCATCAAGATCGGAAGAGCGGTTCAG
chr3	10132080	10132119	FANCD2_8553	+	GTGACCTATGCACCAGACGTTAATAGTCACTTCAAGAAGTGGACTTTGGATTACTTGGAAAGATCGGAAGAGCGGTTCAG
chr3	10133947	10133986	FANCD2_8554	+	GTGACCTATGCACCAGACGTAGACTGCTTGACACATCTCACCAAATAACTGCAGAAACCAAGATCGGAAGAGCGGTTCAG
chr3	10135018	10135057	FANCD2_8555	+	GTGACCTATGCACCAGACGTTACTGGGCCCTGTTTCATATTTATTCTTCCTGTGGATCACAGATCGGAAGAGCGGTTCAG
chr3	10136058	10136097	FANCD2_8556	+	GTGACCTATGCACCAGACGTAGAGCAGAGAACAAAGATATGCACTGAAGAGTTGCTCAGAAGATCGGAAGAGCGGTTCAG
chr3	10136969	10137008	FANCD2_8557	+	GTGACCTATGCACCAGACGTGAGCAGGTTCTATCAGCAGCCTGCCTGTTGGCTTAATCTGAGATCGGAAGAGCGGTTCAG
chr3	10138167	10138206	FANCD2_8558	+	GTGACCTATGCACCAGACGTGATCCTGCTAGTGATAATCCCCTACTCTTATTCTTTGTGAAGATCGGAAGAGCGGTTCAG
chr3	10140510	10140549	FANCD2_8559	+	GTGACCTATGCACCAGACGTAAAACCCACCAGAGTCTGGCACTGATGGTTGCATTTTGTTAGATCGGAAGAGCGGTTCAG
chr3	10140645	10140684	FANCD2_8560	+	GTGACCTATGCACCAGACGTGCTTATATAATTTTTGGGACCCAGAAGAAACAACGACACAAGATCGGAAGAGCGGTTCAG
chr3	10142957	10142996	FANCD2_8561	+	GTGACCTATGCACCAGACGTAATTGTTGCCTGCTTCTGTGTCTCTGCCAGCCTGTGATCAAGATCGGAAGAGCGGTTCAG
chr14	75745837	75745876	FOS_8562	+	GTGACCTATGCACCAGACGTCTTCCCGTCGCCGCGGGGCCGGGGGCTTGGGGTCGCGGAGAGATCGGAAGAGCGGTTCAG
chr14	75746842	75746881	FOS_8563	+	GTGACCTATGCACCAGACGTCTAGCGTACTCTTCCTGGGAATGTGGGGGCTGGGTGGGAAAGATCGGAAGAGCGGTTCAG
chr14	75747381	75747420	FOS_8564	+	GTGACCTATGCACCAGACGTTGTGGGTTGCTCCTTTTTAAAACTTAAGGGGAAAGTTGGAAGATCGGAAGAGCGGTTCAG
chr14	75748138	75748177	FOS_8565	+	GTGACCTATGCACCAGACGTAAGGGGAGGCAGCCGGCACCCACAAGTGCCACTGCCCGAGAGATCGGAAGAGCGGTTCAG
chr14	75747817	75747856	FOS_8566	+	GTGACCTATGCACCAGACGTCCAGGCCCAGTGGCTCTGAGACAGCCCGCTCCGTGCCAGAAGATCGGAAGAGCGGTTCAG
chr11	33881132	33881171	LMO2_8567	+	GTGACCTATGCACCAGACGTAGAAAGAAAAGCTAAGAAGACAGTGAAAGGGACAATCCTGAGATCGGAAGAGCGGTTCAG
chr11	33886374	33886413	LMO2_8568	+	GTGACCTATGCACCAGACGTGGCCAAGCATCAGGGACAGCCTCACCAGAGTGAGACCAGCAGATCGGAAGAGCGGTTCAG
chr11	33890943	33890982	LMO2_8569	+	GTGACCTATGCACCAGACGTGGCGGGGTGCCGGGCGGCGGGGGCGCTCCCTTTGTGGCGCAGATCGGAAGAGCGGTTCAG
chr11	33891273	33891312	LMO2_8570	+	GTGACCTATGCACCAGACGTCCGCCGCCACCGCCCGGTCCCTCTCGCGCGCTGTCGCCGGAGATCGGAAGAGCGGTTCAG
chr19	15272536	15272575	NOTCH3_8571	+	GTGACCTATGCACCAGACGTAGAACCCACAGAGGTCAGCGAAACCCCAGCTAACAGTAGCAGATCGGAAGAGCGGTTCAG
chr19	15273384	15273423	NOTCH3_8572	+	GTGACCTATGCACCAGACGTAAGGGGAGAGAGGTCAGGACCAGGCACCTGTCCTGGGGCCAGATCGGAAGAGCGGTTCAG
chr19	15276337	15276376	NOTCH3_8573	+	GTGACCTATGCACCAGACGTGAGTGGATGCAGCAGGAGGGGTCATGGCAGGAACAGAGGAAGATCGGAAGAGCGGTTCAG
chr19	15276913	15276952	NOTCH3_8574	+	GTGACCTATGCACCAGACGTAGGAGTGTGTCAGCAGGAAGGTAAACACAGGGCCTTTTCCAGATCGGAAGAGCGGTTCAG
chr19	15278233	15278272	NOTCH3_8575	+	GTGACCTATGCACCAGACGTAGGCACCCTGGATCTCAGATCTCACCCTTTGGTGCTGGGGAGATCGGAAGAGCGGTTCAG
chr19	15280992	15281031	NOTCH3_8576	+	GTGACCTATGCACCAGACGTATGGGAAGAGGGGATGTGAGGGGGACACTAGAGGTGTCCAAGATCGGAAGAGCGGTTCAG
chr19	15281375	15281414	NOTCH3_8577	+	GTGACCTATGCACCAGACGTGAAGCAGAGGGCGGGGCTTCAGCCGAGGGCGGGGCTTTGGAGATCGGAAGAGCGGTTCAG
chr19	15281647	15281686	NOTCH3_8578	+	GTGACCTATGCACCAGACGTAGCAGGGAGGGACCAGAGGGCTCAAAAATTGCCCGATGCAAGATCGGAAGAGCGGTTCAG
chr19	15285222	15285261	NOTCH3_8579	+	GTGACCTATGCACCAGACGTAGGGTGAGGCAGAGAGGGGCGGAGTCAGGGGTCAGAGGAGAGATCGGAAGAGCGGTTCAG
chr19	15289763	15289802	NOTCH3_8580	+	GTGACCTATGCACCAGACGTGGGAGCATGTAGATCAGCCACAATGGGGGAATGACAGGCGAGATCGGAAGAGCGGTTCAG
chr19	15290104	15290143	NOTCH3_8581	+	GTGACCTATGCACCAGACGTAAACGAGGGGTGGTCAAGAGGGAATGAAGACAGCCTCTCAAGATCGGAAGAGCGGTTCAG
chr19	15290318	15290357	NOTCH3_8582	+	GTGACCTATGCACCAGACGTGTAAGAGAGGGACCCACTCAGCTTAGTGGGACACAGACCCAGATCGGAAGAGCGGTTCAG
chr19	15291078	15291117	NOTCH3_8583	+	GTGACCTATGCACCAGACGTGAGAGTGGCACAGGAACAGAGGTAACCCCATACATCCCCCAGATCGGAAGAGCGGTTCAG
chr19	15291650	15291689	NOTCH3_8584	+	GTGACCTATGCACCAGACGTAGCACTCAGAGTCAGTACTGTGGGGTGGGGGGTAGTCTGGAGATCGGAAGAGCGGTTCAG

chr19	15292623	15292662	NOTCH3_8585	+	GTGACCTATGCACCAGACGTGAGGAAGGCGGTCTGGTCACCTACCTTGCCCCCATTAGCCAGATCGGAAGAGCGGTTCAG
chr19	15295272	15295311	NOTCH3_8586	+	GTGACCTATGCACCAGACGTGGAGCAAGGTTACACCTAGGGTTACAGGGTACAGAGCAGGAGATCGGAAGAGCGGTTCAG
chr19	15295841	15295880	NOTCH3_8587	+	GTGACCTATGCACCAGACGTTGGAAGAGAGGGAAGCAGAGATAGCCTTGAGGGACTCCCTAGATCGGAAGAGCGGTTCAG
chr19	15296230	15296269	NOTCH3_8588	+	GTGACCTATGCACCAGACGTAAGGTAGTCAGGCCAGGGAGGTGGGCCAGGGAGAGGGGGCAGATCGGAAGAGCGGTTCAG
chr19	15296501	15296540	NOTCH3_8589	+	GTGACCTATGCACCAGACGTCACAAGCAATCTCATCTCAGAACAAAGTCAGCAGGGACAAAGATCGGAAGAGCGGTTCAG
chr19	15297810	15297849	NOTCH3_8590	+	GTGACCTATGCACCAGACGTGGAACATGGCATGGAGTGGCCACCACTGTGCCCCACTAGAAGATCGGAAGAGCGGTTCAG
chr19	15298160	15298199	NOTCH3_8591	+	GTGACCTATGCACCAGACGTAAGAGGGTCAGGCTCCGCCCACTTGCCAGGGGCCTGCCCAAGATCGGAAGAGCGGTTCAG
chr19	15298816	15298855	NOTCH3_8592	+	GTGACCTATGCACCAGACGTGAGTGGGATGAGCAGAGGCCCAGAAAGGGTGAGAGCAGTAAGATCGGAAGAGCGGTTCAG
chr19	15299170	15299209	NOTCH3_8593	+	GTGACCTATGCACCAGACGTGAATAGGGCTTAGGAAAGCGGGGGCTACCCTATGGTGTGAAGATCGGAAGAGCGGTTCAG
chr19	15299996	15300035	NOTCH3_8594	+	GTGACCTATGCACCAGACGTGAGTGCGATCGGTGTGGGCGTGGCTGGCCGGGACCCCCTCAGATCGGAAGAGCGGTTCAG
chr19	15300250	15300289	NOTCH3_8595	+	GTGACCTATGCACCAGACGTGTAAGCAGAAGTCATAGGCAGATCTTCCTGCTCTGCCCAAAGATCGGAAGAGCGGTTCAG
chr19	15302479	15302518	NOTCH3_8596	+	GTGACCTATGCACCAGACGTCAGATGCAGCAGTCCAGCCACCTGGCGCATGTCCACCCGAAGATCGGAAGAGCGGTTCAG
chr19	15302689	15302728	NOTCH3_8597	+	GTGACCTATGCACCAGACGTAGGGGGCAAGGATGGTCACCGCCGGGCTGGCCTGCTGTCCAGATCGGAAGAGCGGTTCAG
chr19	15303120	15303159	NOTCH3_8598	+	GTGACCTATGCACCAGACGTCAGGACAGGGTGAGTTTAGGACTGACCACACCCCCGACTAAGATCGGAAGAGCGGTTCAG
chr19	15303341	15303380	NOTCH3_8599	+	GTGACCTATGCACCAGACGTAGATGGCTTGGTTGGGCAGCACAGGGCAGGATGGCCCCAGAGATCGGAAGAGCGGTTCAG
chr19	15308400	15308439	NOTCH3_8600	+	GTGACCTATGCACCAGACGTGTGAAGGAAGGTGGAGGATCAGCCAGGTGCCCAGGAACCCAGATCGGAAGAGCGGTTCAG
chr19	15311727	15311766	NOTCH3_8601	+	GTGACCTATGCACCAGACGTCGCGACCCTCCCCTCCTCCCTCCTTCCCTGGGCTCCGGGCAGATCGGAAGAGCGGTTCAG
chr19	15271834	15271873	NOTCH3_8602	+	GTGACCTATGCACCAGACGTACGGGGGTCCCTGGGTTGAGCAGCTGGGGTCCCGGCGCCAAGATCGGAAGAGCGGTTCAG
chr1	226549253	226549292	PARP1_8603	+	GTGACCTATGCACCAGACGTGCTTGTTAAGGAGCCAACAGCCATACAACAGAGGGTATGTAGATCGGAAGAGCGGTTCAG
chr1	226549795	226549834	PARP1_8604	+	GTGACCTATGCACCAGACGTGAAGTCACAAGTGACATGAACTGTGAGTACAGATGTGGCAAGATCGGAAGAGCGGTTCAG
chr1	226550872	226550911	PARP1_8605	+	GTGACCTATGCACCAGACGTGAGGACAGTCTCAGAAGAGGCCTTCACACTGGGCTCTCGAAGATCGGAAGAGCGGTTCAG
chr1	226552866	226552905	PARP1_8606	+	GTGACCTATGCACCAGACGTTAGTAAACAAAGGGAAGGACAAAAGAAGCCATTTGTTACTAGATCGGAAGAGCGGTTCAG
chr1	226553764	226553803	PARP1_8607	+	GTGACCTATGCACCAGACGTAGAATCTTGGGATTAGCACAAAAGAGACCCAGGAGAGCTAAGATCGGAAGAGCGGTTCAG
chr1	226555320	226555359	PARP1_8608	+	GTGACCTATGCACCAGACGTAAAAGAAAGCCCCCGACTTAGGTATCATGGTGAATGAGACAGATCGGAAGAGCGGTTCAG
chr1	226556033	226556072	PARP1_8609	+	GTGACCTATGCACCAGACGTGGGGACAGAAGGAATGCAAGACTGAGGGAGCAGCTCCAAGAGATCGGAAGAGCGGTTCAG
chr1	226558229	226558268	PARP1_8610	+	GTGACCTATGCACCAGACGTAGGGGATTTCGCTCTGAAAGCTGGGCACTGTGCAGTGTGAAGATCGGAAGAGCGGTTCAG
chr1	226562066	226562105	PARP1_8611	+	GTGACCTATGCACCAGACGTAAAGCACATTGCTAAGAGACCCAAATCAACAACTCAAGCAAGATCGGAAGAGCGGTTCAG
chr1	226565015	226565054	PARP1_8612	+	GTGACCTATGCACCAGACGTAAGGAGGGTGTCAGATACACATGTGTGGGTCAGCTGTCCCAGATCGGAAGAGCGGTTCAG
chr1	226566986	226567025	PARP1_8613	+	GTGACCTATGCACCAGACGTGGAAAAGCACCTACAGTTTTCTCTCCCCTTGAGGTGCTAGAGATCGGAAGAGCGGTTCAG
chr1	226567353	226567392	PARP1_8614	+	GTGACCTATGCACCAGACGTAACAGAAAAATGTAAACATGAAGTTAAATGTAACTAAAAAAGATCGGAAGAGCGGTTCAG
chr1	226567876	226567915	PARP1_8615	+	GTGACCTATGCACCAGACGTTGAAAGGAAAAAAAACCAAAATACAAGTTTAAAACAAAACAGATCGGAAGAGCGGTTCAG
chr1	226568920	226568959	PARP1_8616	+	GTGACCTATGCACCAGACGTAGGAGAGAATCATTCAGCAAGGCCAGCTCTGGTGCTGCTCAGATCGGAAGAGCGGTTCAG
chr1	226570895	226570934	PARP1_8617	+	GTGACCTATGCACCAGACGTTTAAGTTTTAGTTAAGAAGCCAGCTCTCCCTTGAGGTAACAGATCGGAAGAGCGGTTCAG
chr1	226573392	226573431	PARP1_8618	+	GTGACCTATGCACCAGACGTTGGAGAAACATGTCAGAGGGCAAATGCGGGACTACAAAAAAGATCGGAAGAGCGGTTCAG
chr1	226574154	226574193	PARP1_8619	+	GTGACCTATGCACCAGACGTGACCCAGTGGCTGAGAGGCTAGCTCTTTTCAAAGGAAGAAAGATCGGAAGAGCGGTTCAG
chr1	226576467	226576506	PARP1_8620	+	GTGACCTATGCACCAGACGTCACAGGATATGAGAGACAGCCAGAGCCATTAAAAGTCTGAAGATCGGAAGAGCGGTTCAG
chr1	226578336	226578375	PARP1_8621	+	GTGACCTATGCACCAGACGTAACCATATGTGGTACCAAGGGAGCGACAAGCAAGGATAGTAGATCGGAAGAGCGGTTCAG
chr1	226580026	226580065	PARP1_8622	+	GTGACCTATGCACCAGACGTAAACAGACAGCAATGCTCATCTCAACAGCCCCAAAATGCAAGATCGGAAGAGCGGTTCAG
chr1	226590091	226590130	PARP1_8623	+	GTGACCTATGCACCAGACGTGAGAAACAGAGGGAAGTAAGTAAGCAGTTAACTTTTGACTAGATCGGAAGAGCGGTTCAG
chr1	226595641	226595680	PARP1_8624	+	GTGACCTATGCACCAGACGTCTGCCGCCAAAGCTCCGGAAGCCCGACGCCACGACCTAGAAGATCGGAAGAGCGGTTCAG
chr17	64299153	64299192	PRKCA_8625	+	GTGACCTATGCACCAGACGTGGCCGGGCACTCCTGCCCCGCTCCTCCCCGCCTCCGGGTCAGATCGGAAGAGCGGTTCAG
chr17	64302256	64302295	PRKCA_8626	+	GTGACCTATGCACCAGACGTACTTTTGGTTTTATTTTCAAGCACAACATGAAATAAGCATAGATCGGAAGAGCGGTTCAG
chr17	64492412	64492451	PRKCA_8627	+	GTGACCTATGCACCAGACGTCTGAAATCATGATTTGATGTCAATGTGGATTTCTGAGCTTAGATCGGAAGAGCGGTTCAG
chr17	64637595	64637634	PRKCA_8628	+	GTGACCTATGCACCAGACGTTTTCTTTTCCAGTTCATAGCGAGGCTCTGTAGCTCATGCTAGATCGGAAGAGCGGTTCAG
chr17	64641640	64641679	PRKCA_8629	+	GTGACCTATGCACCAGACGTCTCATCCCGGAGCAGCATCGTGGGCAGGCATTTGGATGAAAGATCGGAAGAGCGGTTCAG
chr17	64683396	64683435	PRKCA_8630	+	GTGACCTATGCACCAGACGTTCTCCTTGATCAAATTTCATTCCTATACACCATGCAGTTGAGATCGGAAGAGCGGTTCAG
chr17	64684565	64684604	PRKCA_8631	+	GTGACCTATGCACCAGACGTCGCTTAGGTTGAGTATGTCTCAAAGCATCAGACCATTTAGAGATCGGAAGAGCGGTTCAG
chr17	64685176	64685215	PRKCA_8632	+	GTGACCTATGCACCAGACGTCAAAATGCCCGGAAACACCTTTCCTTTAGAAAGCCCAACTAGATCGGAAGAGCGGTTCAG
chr17	64728954	64728993	PRKCA_8633	+	GTGACCTATGCACCAGACGTAGTCGTCTGCAAATTGCAGGGGCTTCTGCAGAGAATGTCGAGATCGGAAGAGCGGTTCAG
chr17	64731791	64731830	PRKCA_8634	+	GTGACCTATGCACCAGACGTTGGGAATCCCTGCGATGCAGTACCCAGCTCTCAGAGCTACAGATCGGAAGAGCGGTTCAG
chr17	64734984	64735023	PRKCA_8635	+	GTGACCTATGCACCAGACGTTTTTTTAAGTCCTTTAATTTGAACAACCAAGTCCTACCAAAGATCGGAAGAGCGGTTCAG
chr17	64737850	64737889	PRKCA_8636	+	GTGACCTATGCACCAGACGTAAGCCCTCCTACCAGCAGCTCAGCAGAGAGGTTAGCTGGGAGATCGGAAGAGCGGTTCAG
chr17	64738889	64738928	PRKCA_8637	+	GTGACCTATGCACCAGACGTCAGTGATCGTTTTCTCAACCAGGACTCCCAAACTGTAAACAGATCGGAAGAGCGGTTCAG
chr17	64770196	64770235	PRKCA_8638	+	GTGACCTATGCACCAGACGTGCTACATTTTCATGTTTGTTTATTGCTGTGTTATGTGAATAGATCGGAAGAGCGGTTCAG
chr17	64783103	64783142	PRKCA_8639	+	GTGACCTATGCACCAGACGTTTGGATACCTTTTGTGATCATGGACCAAGAGCTTTGGTAGAGATCGGAAGAGCGGTTCAG
chr17	64785108	64785147	PRKCA_8640	+	GTGACCTATGCACCAGACGTAAAAGCAGCCTGTTTTCGGAACCCCATGTCCCCAAATTCTAGATCGGAAGAGCGGTTCAG
chr17	64800166	64800205	PRKCA_8641	+	GTGACCTATGCACCAGACGTCGAGAACAAACACCTCCCCAGCCCCCAGCCCTCCCCGCAGAGATCGGAAGAGCGGTTCAG
chr18	45368332	45368371	SMAD2_8642	+	GTGACCTATGCACCAGACGTGAATACAGGAAAATGATTATGAAATTCAAGTCCACAGGCAAGATCGGAAGAGCGGTTCAG

chr18	45371866	45371905	SMAD2_8643	+	GTGACCTATGCACCAGACGTAAAAGGTAAAAGAAATTGTCAAAAGAGTATCATTATTAAAAGATCGGAAGAGCGGTTCAG
chr18	45372182	45372221	SMAD2_8644	+	GTGACCTATGCACCAGACGTATACAAATGAGATTAGTTTTGTAACATTTACTATTTCAGTAGATCGGAAGAGCGGTTCAG
chr18	45377709	45377748	SMAD2_8645	+	GTGACCTATGCACCAGACGTAGGATTTAAAAATAAATGAAGTATTTCCAGAACTTCTGATAGATCGGAAGAGCGGTTCAG
chr18	45391515	45391554	SMAD2_8646	+	GTGACCTATGCACCAGACGTTTAAAACAAATCAAGCACAGCTGCAACATAATCTCACTACAGATCGGAAGAGCGGTTCAG
chr18	45394839	45394878	SMAD2_8647	+	GTGACCTATGCACCAGACGTTCAAGAAATCCAAGTTAATGGCAAAGAGCAAAGGGGAGTGAGATCGGAAGAGCGGTTCAG
chr18	45396946	45396985	SMAD2_8648	+	GTGACCTATGCACCAGACGTATTGAAAAACAAAAAATTGATGTGAACATGGAAGCATGGTAGATCGGAAGAGCGGTTCAG
chr18	45423138	45423177	SMAD2_8649	+	GTGACCTATGCACCAGACGTAAGGCAGCAAGCCACGCTAGGAAAACAGCCTCTTGTATCGAGATCGGAAGAGCGGTTCAG
chr15	67358709	67358748	SMAD3_8650	+	GTGACCTATGCACCAGACGTGCCCGGGGGGGACCCGGGGTCACGCCGGCCCAGCCCCCTGAGATCGGAAGAGCGGTTCAG
chr15	67430449	67430488	SMAD3_8651	+	GTGACCTATGCACCAGACGTCGTGCCGGGACATGTCTTTTCTCTTTCTTGAACTCGTCTCAGATCGGAAGAGCGGTTCAG
chr15	67457437	67457476	SMAD3_8652	+	GTGACCTATGCACCAGACGTTGGCCTGCCTGTGGGGACAGCAGGTGCCAGGGGTCATCACAGATCGGAAGAGCGGTTCAG
chr15	67457733	67457772	SMAD3_8653	+	GTGACCTATGCACCAGACGTGGGCGGCACAGGCTGGCCTGGGAGGCAGGGGCAGCGGTCAAGATCGGAAGAGCGGTTCAG
chr15	67459202	67459241	SMAD3_8654	+	GTGACCTATGCACCAGACGTCAGGGTCATGCTCTTATTCTTAACTGATTAGCAGCTGGTGAGATCGGAAGAGCGGTTCAG
chr15	67462953	67462992	SMAD3_8655	+	GTGACCTATGCACCAGACGTCCTTGTGCACACAACTGGAACCCCCTCTAGCTGCAGCCCTAGATCGGAAGAGCGGTTCAG
chr15	67473802	67473841	SMAD3_8656	+	GTGACCTATGCACCAGACGTGCTCCATTCCCCGCCCCCCCACCCTGCCCCTGCCACTCTAAGATCGGAAGAGCGGTTCAG
chr15	67477213	67477252	SMAD3_8657	+	GTGACCTATGCACCAGACGTCGCACAGGCACCCCTGCCTTGAGGTCCCTCTCCGAGTGCAAGATCGGAAGAGCGGTTCAG
chr15	67479858	67479897	SMAD3_8658	+	GTGACCTATGCACCAGACGTGGTGCTGCCTACATCAGGGGACCCAACTCCAGGTGACTCTAGATCGGAAGAGCGGTTCAG
chr15	67482885	67482924	SMAD3_8659	+	GTGACCTATGCACCAGACGTTATGGTAGGGGAGGGCAGGCTTGGGGAAAATGGCCATGCAAGATCGGAAGAGCGGTTCAG
chr9	135772152	135772191	TSC1_8660	+	GTGACCTATGCACCAGACGTGCCGGGGAGGAAAAAAGGAGCTGGTGATTGGACTGTCCACAGATCGGAAGAGCGGTTCAG
chr9	135772743	135772782	TSC1_8661	+	GTGACCTATGCACCAGACGTCAGACCAGCCAGAATATAGGAAGTTCCACTTAATAAAAACAGATCGGAAGAGCGGTTCAG
chr9	135773008	135773047	TSC1_8662	+	GTGACCTATGCACCAGACGTAAAAAAAAAAAGACTGGAATTAGTACTTATAAAAAATAAAAGATCGGAAGAGCGGTTCAG
chr9	135776235	135776274	TSC1_8663	+	GTGACCTATGCACCAGACGTAACATGAGCAAAGTGAAAAATCCGACGACATAAAACTAGCAGATCGGAAGAGCGGTTCAG
chr9	135777097	135777136	TSC1_8664	+	GTGACCTATGCACCAGACGTAGACGTGGACATGAAGTTTGAGGAACACCAACAGGCCAGAAGATCGGAAGAGCGGTTCAG
chr9	135778185	135778224	TSC1_8665	+	GTGACCTATGCACCAGACGTCCAGAAATGTCATCATTTTAGCTGTCTTCCAACACAGGCAAGATCGGAAGAGCGGTTCAG
chr9	135779215	135779254	TSC1_8666	+	GTGACCTATGCACCAGACGTAGCAGAGGGAGGGTGGCAGAAATGCCTTTTACAGATGGTTAGATCGGAAGAGCGGTTCAG
chr9	135779852	135779891	TSC1_8667	+	GTGACCTATGCACCAGACGTAGTTTTTGAGTAACAAAGTTACCGATCTTACCAAGAAAAAAGATCGGAAGAGCGGTTCAG
chr9	135781537	135781576	TSC1_8668	+	GTGACCTATGCACCAGACGTGAGAGGAAACAAAAGAAATGGCAGTCGGTATTCCACCTGGAGATCGGAAGAGCGGTTCAG
chr9	135782233	135782272	TSC1_8669	+	GTGACCTATGCACCAGACGTACAAAGACAACTGAAGTCAAAGAAATACAGTGTAATCCCTAGATCGGAAGAGCGGTTCAG
chr9	135782768	135782807	TSC1_8670	+	GTGACCTATGCACCAGACGTAAGTATCATTTATATCACAAGACGAAAAATGTTGCACATGAGATCGGAAGAGCGGTTCAG
chr9	135786090	135786129	TSC1_8671	+	GTGACCTATGCACCAGACGTAGGGCAGAACATATATGAACACTGAGCCCAACTATTAGAAAGATCGGAAGAGCGGTTCAG
chr9	135786511	135786550	TSC1_8672	+	GTGACCTATGCACCAGACGTAATAAAGTACATCAGCAGTGGCAAAGGAATGCTAAGTCATAGATCGGAAGAGCGGTTCAG
chr9	135786966	135787005	TSC1_8673	+	GTGACCTATGCACCAGACGTAGAGAAGAACACAGGGGGTTAGTGTGTGGTTTTAGGTTATAGATCGGAAGAGCGGTTCAG
chr9	135787855	135787894	TSC1_8674	+	GTGACCTATGCACCAGACGTCAATGAAAGTCAAGAAATGCAAACTGTAATCAACTGAATTAGATCGGAAGAGCGGTTCAG
chr9	135797371	135797410	TSC1_8675	+	GTGACCTATGCACCAGACGTAACCCGTTGAGAAGAGCCTCTTAGTTGGAGACAGATTGAGAGATCGGAAGAGCGGTTCAG
chr9	135798890	135798929	TSC1_8676	+	GTGACCTATGCACCAGACGTAAAGGTCAAACAGGAAACGTCTGTCAGGCACTGGCACCAGAGATCGGAAGAGCGGTTCAG
chr9	135801137	135801176	TSC1_8677	+	GTGACCTATGCACCAGACGTAAAAGAACAAGGGCAGTCCTCACATGAATGTATGAAGTTAAGATCGGAAGAGCGGTTCAG
chr9	135802702	135802741	TSC1_8678	+	GTGACCTATGCACCAGACGTAAAAGGGCAATGGATGATACTTATTCCCCTTAACATCCTAAGATCGGAAGAGCGGTTCAG
chr9	135804270	135804309	TSC1_8679	+	GTGACCTATGCACCAGACGTGAAGGCGCTGTGCTGGCTCCAGGACGTGTGCTACAGGTTCAGATCGGAAGAGCGGTTCAG
chr9	135771892	135771931	TSC1_8680	+	GTGACCTATGCACCAGACGTGGGGATGCTGGCAGACGCTTCTCCCATAGTCGTCTCCCACAGATCGGAAGAGCGGTTCAG
chr9	135781257	135781296	TSC1_8681	+	GTGACCTATGCACCAGACGTTGTCTCCCGCAGGGCTTTCATCAGCACTGCCGCAGGGCAGAGATCGGAAGAGCGGTTCAG
chr16	4016978	4017017	ADCY9_8682	+	GTGACCTATGCACCAGACGTAAGACACGGGAAAGGGAGAGGTTACTGCTCGGCGCTTCCAAGATCGGAAGAGCGGTTCAG
chr16	4024722	4024761	ADCY9_8683	+	GTGACCTATGCACCAGACGTAATGCAGAAAAATATTATCATAAAGAGCAAAGAAGGCATTAGATCGGAAGAGCGGTTCAG
chr16	4027642	4027681	ADCY9_8684	+	GTGACCTATGCACCAGACGTCGAAGGGTTAGGACAGCCGCCCAGGGCCACCCCGCCACCCAGATCGGAAGAGCGGTTCAG
chr16	4029287	4029326	ADCY9_8685	+	GTGACCTATGCACCAGACGTCATGGGGGTTAGCAGGAGCGACGGGGCCCGGGGTGGGTCAAGATCGGAAGAGCGGTTCAG
chr16	4033452	4033491	ADCY9_8686	+	GTGACCTATGCACCAGACGTCAGGAGTGGAGCAGAATGACTGGGAGGCCATGGGCGGCCAAGATCGGAAGAGCGGTTCAG
chr16	4039108	4039147	ADCY9_8687	+	GTGACCTATGCACCAGACGTCAACAAATGCAGTCGATCAATACCCAGCACCATAACTGTGAGATCGGAAGAGCGGTTCAG
chr16	4042375	4042414	ADCY9_8688	+	GTGACCTATGCACCAGACGTACAAAGAGGACGCAGACACGGGAAGTGAAGTGGCACCGGGAGATCGGAAGAGCGGTTCAG
chr16	4043522	4043561	ADCY9_8689	+	GTGACCTATGCACCAGACGTAACACAGACTGTGGGGACACACCCAGAAACCGCGACTGCCAGATCGGAAGAGCGGTTCAG
chr16	4057570	4057609	ADCY9_8690	+	GTGACCTATGCACCAGACGTTAAAAGTTACAGTCAGCACAGATTGAAAGCACCGTCTGTTAGATCGGAAGAGCGGTTCAG
chr16	4165454	4165493	ADCY9_8691	+	GTGACCTATGCACCAGACGTCCCGGGGCCTGCCCCGGCCGGGGTCACCAGTACCTGCCAGAGATCGGAAGAGCGGTTCAG
chr16	4016183	4016222	ADCY9_8692	+	GTGACCTATGCACCAGACGTTCTTGCTCAAGACGCGGTAGCTCTCTTCGCTCACCTGGATAGATCGGAAGAGCGGTTCAG
chr16	4016580	4016619	ADCY9_8693	+	GTGACCTATGCACCAGACGTGTTGAGGACCCGGTAGCACTCCTTGCCGCCCTCGTAGTTCAGATCGGAAGAGCGGTTCAG
chr16	4164184	4164223	ADCY9_8694	+	GTGACCTATGCACCAGACGTGTTCAGGAGACCCACCAGGGCGTGGGCAGACTTGTTGGCAAGATCGGAAGAGCGGTTCAG
chr16	4164607	4164646	ADCY9_8695	+	GTGACCTATGCACCAGACGTCCAGTGCAGGGCCCCGGCTCCGGGCGAGGGGAAGCAGGCTAGATCGGAAGAGCGGTTCAG
chr16	4165030	4165069	ADCY9_8696	+	GTGACCTATGCACCAGACGTCATGTGGACCGCAAAATAGATGCTCCACAGAAGGCAGGCGAGATCGGAAGAGCGGTTCAG
chr12	58120588	58120627	AGAP2_8697	+	GTGACCTATGCACCAGACGTGAAACGGCCGCGTGACCGCGCGTCCCCAGGGCGCCCACACAGATCGGAAGAGCGGTTCAG
chr12	58121023	58121062	AGAP2_8698	+	GTGACCTATGCACCAGACGTAGGGATCAACGGAAAAGGCTCTAGGGACCCCCAGCCAGGAAGATCGGAAGAGCGGTTCAG
chr12	58121376	58121415	AGAP2_8699	+	GTGACCTATGCACCAGACGTAGCGTAGAGGTCGGCTCCCAGCCGGGCAGCACAGGCACCCAGATCGGAAGAGCGGTTCAG
chr12	58121565	58121604	AGAP2_8700	+	GTGACCTATGCACCAGACGTGGTTTGGGTTGGCACTGACTCTGCCTCCAAGCCCCACCTCAGATCGGAAGAGCGGTTCAG

chr12	58121879	58121918	AGAP2_8701	+	GTGACCTATGCACCAGACGTGATGGGATGGGGTCATTAAGGGACAGAGTTCAAGCAGGGGAGATCGGAAGAGCGGTTCAG
chr12	58123561	58123600	AGAP2_8702	+	GTGACCTATGCACCAGACGTAAGACACAGCTGCCTCAGTAGCCCCCTCCACAGATTTCCTAGATCGGAAGAGCGGTTCAG
chr12	58124408	58124447	AGAP2_8703	+	GTGACCTATGCACCAGACGTAAGATGAAACCTCAGTGAGCCTCTTTCTTCTGGCCCCATTAGATCGGAAGAGCGGTTCAG
chr12	58124747	58124786	AGAP2_8704	+	GTGACCTATGCACCAGACGTACAGGGCCGAGAGTGTAGGGAAGGTTGGGGTCCTTGGTATAGATCGGAAGAGCGGTTCAG
chr12	58125264	58125303	AGAP2_8705	+	GTGACCTATGCACCAGACGTGGGAAAGACACATGTGGGAAAAAAGCCAACTAAGACCAGCAGATCGGAAGAGCGGTTCAG
chr12	58125436	58125475	AGAP2_8706	+	GTGACCTATGCACCAGACGTTATTGGAATCAGTTTGAGGATGGATAGAGGGATACACTGAAGATCGGAAGAGCGGTTCAG
chr12	58125761	58125800	AGAP2_8707	+	GTGACCTATGCACCAGACGTATGGAAGAGTCAGCAGAGCTGAGATGCCCCCTACTCCACCAGATCGGAAGAGCGGTTCAG
chr12	58126306	58126345	AGAP2_8708	+	GTGACCTATGCACCAGACGTTTGACGGAAGGAGGTGTGAGCAGGCCAGATACCCAAGACCAGATCGGAAGAGCGGTTCAG
chr12	58126773	58126812	AGAP2_8709	+	GTGACCTATGCACCAGACGTAGGAAAGGGGCAGGATTGAACAAGGAGCCCCACCTTGTTCAGATCGGAAGAGCGGTTCAG
chr12	58127967	58128006	AGAP2_8710	+	GTGACCTATGCACCAGACGTGTGAGGGAGCAAATGGAAAGTCAGACAGGTCTACTCCTCTAGATCGGAAGAGCGGTTCAG
chr12	58128198	58128237	AGAP2_8711	+	GTGACCTATGCACCAGACGTGAGTTGGAAGGGGTAACAGGTCAGAGGTGACAGGTCACCAAGATCGGAAGAGCGGTTCAG
chr12	58128473	58128512	AGAP2_8712	+	GTGACCTATGCACCAGACGTGGTTGTGGAGCAGAAATTGTGGGATATAAGAGAAGGCAGGAGATCGGAAGAGCGGTTCAG
chr12	58129221	58129260	AGAP2_8713	+	GTGACCTATGCACCAGACGTAGAAGGGCAGTAAGAGGGGAGGCTCCTGGCTCAGAAGGACAGATCGGAAGAGCGGTTCAG
chr12	58132040	58132079	AGAP2_8714	+	GTGACCTATGCACCAGACGTGACCCCCGAGCTGGGGAGGGGAGGGGACTCCCCCGGACTGAGATCGGAAGAGCGGTTCAG
chr12	58135865	58135904	AGAP2_8715	+	GTGACCTATGCACCAGACGTCCTGTCTTGCCAGGCTAACAACCACCTCTGGCCCTGAGGCAGATCGGAAGAGCGGTTCAG
chr12	58131650	58131689	AGAP2_8716	+	GTGACCTATGCACCAGACGTAGTCCCCCGGAGAGCGGGGGTCCCGGAGGGACGGCCCAGAAGATCGGAAGAGCGGTTCAG
chr19	49458867	49458906	BAX_8717	+	GTGACCTATGCACCAGACGTGGTCTGATTATTGTGGCACAGATTTGAGGAGTGACACCCCAGATCGGAAGAGCGGTTCAG
chr19	49459101	49459140	BAX_8718	+	GTGACCTATGCACCAGACGTCTGAGGACCCAGAAGTCCAGCCACTGGGCTCCTTCAGGACAGATCGGAAGAGCGGTTCAG
chr19	49459601	49459640	BAX_8719	+	GTGACCTATGCACCAGACGTGCAGGGCAGTGAGCCCAGGGATGCTCCCCCTCAGATCTGTAGATCGGAAGAGCGGTTCAG
chr19	49464105	49464144	BAX_8720	+	GTGACCTATGCACCAGACGTCATGGGCTGGACATTGGACTTCCTCCGGGAGCGGCTGTTGAGATCGGAAGAGCGGTTCAG
chr19	49464365	49464404	BAX_8721	+	GTGACCTATGCACCAGACGTATTCATCTACCCTGCTGACCTCCCAGTGACCCCTGACCTCAGATCGGAAGAGCGGTTCAG
chr19	49464904	49464943	BAX_8722	+	GTGACCTATGCACCAGACGTTGCCTTGGACTGTGTTTTTCCTCCATAAATTATGGCATTTAGATCGGAAGAGCGGTTCAG
chr2	60679812	60679851	BCL11A_8723	+	GTGACCTATGCACCAGACGTGTTGGAGACAGAGGAGGGGGAAAAAAAAAGTACAGGTGTGAGATCGGAAGAGCGGTTCAG
chr2	60689570	60689609	BCL11A_8724	+	GTGACCTATGCACCAGACGTATACAACACCAACATCAATGTTTAATCACTGAGGCGGGCAAGATCGGAAGAGCGGTTCAG
chr2	60695979	60696018	BCL11A_8725	+	GTGACCTATGCACCAGACGTAACCCAAAATCAAGCACTACAGCTACAAACAACGTGCATCAGATCGGAAGAGCGGTTCAG
chr2	60773446	60773485	BCL11A_8726	+	GTGACCTATGCACCAGACGTAGAAACAAAAGCACAATTATTAGAGTGCCAGAGAGGACAGAGATCGGAAGAGCGGTTCAG
chr2	60688263	60688302	BCL11A_8727	+	GTGACCTATGCACCAGACGTTCCGACTCGCCGGCCACCGAGTCTTCGTCGCAAGTGTCCCAGATCGGAAGAGCGGTTCAG
chr2	60688699	60688738	BCL11A_8728	+	GTGACCTATGCACCAGACGTGTTCCGGGGAGCTGGCGGTGGAGAGACCGTCGTCGGACTTAGATCGGAAGAGCGGTTCAG
chr2	60689135	60689174	BCL11A_8729	+	GTGACCTATGCACCAGACGTATTCAACCGCAGCACCCTGTCAAAGGCACTCGGGTGATGGAGATCGGAAGAGCGGTTCAG
chr2	60687953	60687992	BCL11A_8730	+	GTGACCTATGCACCAGACGTGCGCAAACTCCCGTTCTCCGAGGAGTGCTCCGACGAGGAGAGATCGGAAGAGCGGTTCAG
chr2	60688357	60688396	BCL11A_8731	+	GTGACCTATGCACCAGACGTGGTGGAAGGCCTCGCTGAAGTGCTGCATGGAGCTGAGCACAGATCGGAAGAGCGGTTCAG
chr2	60688761	60688800	BCL11A_8732	+	GTGACCTATGCACCAGACGTTGCATGTGCGTCTTCATGTGGCGCTTCAGCTTGCTGGCCTAGATCGGAAGAGCGGTTCAG
chr2	60689165	60689204	BCL11A_8733	+	GTGACCTATGCACCAGACGTCGGGTGATGGGTGGCCAGGGCCATCTCTTCCGCCCCCAGGAGATCGGAAGAGCGGTTCAG
chr22	23524437	23524476	BCR_8734	+	GTGACCTATGCACCAGACGTCACGCCACGTGCGTGGGCACACCTGCACGGGGGAGGAAAAAGATCGGAAGAGCGGTTCAG
chr22	23596178	23596217	BCR_8735	+	GTGACCTATGCACCAGACGTATGGTGTACGTGTGGCAGGAGGGCCAGGTGAGGCTCCCTGAGATCGGAAGAGCGGTTCAG
chr22	23603252	23603291	BCR_8736	+	GTGACCTATGCACCAGACGTTTTAGGGAGCTGAGCAGGGCGGGATGGGGCAGGGTGACAGAGATCGGAAGAGCGGTTCAG
chr22	23610713	23610752	BCR_8737	+	GTGACCTATGCACCAGACGTGATGCCGTTCAGACAGGTGCACCGCTGACTCCCACCTGTAAGATCGGAAGAGCGGTTCAG
chr22	23613790	23613829	BCR_8738	+	GTGACCTATGCACCAGACGTCATGCTGAGGTCTCTGTGTGCCCTCGTCAGGGAGGCTGCTAGATCGGAAGAGCGGTTCAG
chr22	23615972	23616011	BCR_8739	+	GTGACCTATGCACCAGACGTCAGGGGATGGCTTGGGTCCACCCATCCTGCTGAGCTGGGGAGATCGGAAGAGCGGTTCAG
chr22	23626296	23626335	BCR_8740	+	GTGACCTATGCACCAGACGTATGTGGCCCCTGTCCCAGCAGTGACCCCACCCTGACTCTCAGATCGGAAGAGCGGTTCAG
chr22	23627399	23627438	BCR_8741	+	GTGACCTATGCACCAGACGTGGGGAGCAAGGGCCGGGTTTGGTGTGGTCAGAGTGGCAGCAGATCGGAAGAGCGGTTCAG
chr22	23629476	23629515	BCR_8742	+	GTGACCTATGCACCAGACGTGCTGTTCCGGCCCCTCCTGCTCTCCTGGCCTGGGATGGGCAGATCGGAAGAGCGGTTCAG
chr22	23630370	23630409	BCR_8743	+	GTGACCTATGCACCAGACGTTCTGTCCTGAGAGGGGCTGGGCTTCAAACCATTAGGGCCAAGATCGGAAGAGCGGTTCAG
chr22	23631819	23631858	BCR_8744	+	GTGACCTATGCACCAGACGTCCGTTTCCGTGTACAGGGCACCTGCAGGGAGGGCAGGCAGAGATCGGAAGAGCGGTTCAG
chr22	23632611	23632650	BCR_8745	+	GTGACCTATGCACCAGACGTGTTTGGGGAGGAGGGTTGCAGCGGCCGAGCCAGGGTCTCCAGATCGGAAGAGCGGTTCAG
chr22	23634836	23634875	BCR_8746	+	GTGACCTATGCACCAGACGTGATTCCACAAGGGCCCAGCCTGCCAGGTGGGGCACAGGATAGATCGGAAGAGCGGTTCAG
chr22	23637353	23637392	BCR_8747	+	GTGACCTATGCACCAGACGTCATCCCTACCCTCCCCTGCCCGATGCATGGCGTCCTTTTTAGATCGGAAGAGCGGTTCAG
chr22	23651681	23651720	BCR_8748	+	GTGACCTATGCACCAGACGTGTGGGACTCTCCTGGTGCCCACTTCCCCCAGAAGGATAGGAGATCGGAAGAGCGGTTCAG
chr22	23652631	23652670	BCR_8749	+	GTGACCTATGCACCAGACGTAGGGGCTTGGGCTCACGCACTGAGGGTGCCTGTCCCTTCAAGATCGGAAGAGCGGTTCAG
chr22	23654034	23654073	BCR_8750	+	GTGACCTATGCACCAGACGTGCCTGCGCAGGACGGGATGGAGGTGTGGGCAATGGTGTCCAGATCGGAAGAGCGGTTCAG
chr22	23655219	23655258	BCR_8751	+	GTGACCTATGCACCAGACGTGAGGCCTTGGCCTCATGGGAGACGTCTCCTCCACGTGCACAGATCGGAAGAGCGGTTCAG
chr22	23656271	23656310	BCR_8752	+	GTGACCTATGCACCAGACGTTCTCCCATGGCAGCCCAGGGCTCCAGGTCCCCAGGCCGCAAGATCGGAAGAGCGGTTCAG
chr22	23656912	23656951	BCR_8753	+	GTGACCTATGCACCAGACGTACAGGCTCCAGCCCATGCAACCCTGACCTGACAGAGGTGGAGATCGGAAGAGCGGTTCAG
chr22	23657720	23657759	BCR_8754	+	GTGACCTATGCACCAGACGTCCATCTCCTGGAGGCGGACAGATGGCCTGGAAACCTCTGGAGATCGGAAGAGCGGTTCAG
chr22	23523584	23523623	BCR_8755	+	GTGACCTATGCACCAGACGTGACCCCCCGCCAGCGTGGCGGCGCTCAGGTCCAACTTCGAAGATCGGAAGAGCGGTTCAG
chr22	23524010	23524049	BCR_8756	+	GTGACCTATGCACCAGACGTTGGAAGGGGAGGGCAAGGGCCCGCTCCTGCGCAGCCAGAGAGATCGGAAGAGCGGTTCAG
chr17	76210519	76210558	BIRC5_8757	+	GTGACCTATGCACCAGACGTCCGGCCTCCTGGGGTCCCCCACGCCCGCCTTGCCCTGTCCAGATCGGAAGAGCGGTTCAG
chr17	76210881	76210920	BIRC5_8758	+	GTGACCTATGCACCAGACGTTCTGGCCAGCCTCGATGGGCTTTGTTTTGAACTGAGTTGTAGATCGGAAGAGCGGTTCAG

chr17	76212873	76212912	BIRC5_8759	+	GTGACCTATGCACCAGACGTGGAATAAGAACTGCTCAAACCCTGTTCAATGTCTTTAGCAAGATCGGAAGAGCGGTTCAG
chr17	76219646	76219685	BIRC5_8760	+	GTGACCTATGCACCAGACGTCGGAGCTGCCTGGTCCCAGAGTGGCTGCACCACTTCCAGGAGATCGGAAGAGCGGTTCAG
chr17	76219749	76219788	BIRC5_8761	+	GTGACCTATGCACCAGACGTCAACATTTTCAAATTAGATGTTTCAACTGTGCTCTTGTTTAGATCGGAAGAGCGGTTCAG
chr7	116165157	116165196	CAV1_8762	+	GTGACCTATGCACCAGACGTGTGGGGGGGCGCCGGCTCGGGCGTGCGGGGAGTGTCCGCTAGATCGGAAGAGCGGTTCAG
chr7	116166754	116166793	CAV1_8763	+	GTGACCTATGCACCAGACGTGCGACCAACAGGGAAGGGCTGGGACAGCTCTCCTCTGGCAAGATCGGAAGAGCGGTTCAG
chr7	116199352	116199391	CAV1_8764	+	GTGACCTATGCACCAGACGTAAGGATAGAAGTATACCTGATTTTTTTTCCTTTTAATTTTAGATCGGAAGAGCGGTTCAG
chr19	30303694	30303733	CCNE1_8765	+	GTGACCTATGCACCAGACGTAAGAGACAGGTTGGGGAGCATCCCCCCCATCTCACCTGGGAGATCGGAAGAGCGGTTCAG
chr19	30303955	30303994	CCNE1_8766	+	GTGACCTATGCACCAGACGTCCGGGGTTGGGCCTCTGTGGAGGTCCTTCTCCCCCTGGGTAGATCGGAAGAGCGGTTCAG
chr19	30308200	30308239	CCNE1_8767	+	GTGACCTATGCACCAGACGTACTCTGCCACATGGCTTCCAGGTCTCTTACTCCATGCTCCAGATCGGAAGAGCGGTTCAG
chr19	30308459	30308498	CCNE1_8768	+	GTGACCTATGCACCAGACGTGTCTTCCTGTTCGCTTCATGAAAGCACTGAGCATTTCCAGAGATCGGAAGAGCGGTTCAG
chr19	30311766	30311805	CCNE1_8769	+	GTGACCTATGCACCAGACGTTTCAAATATTTGTTCTATAATGTGTGTTATTTCTCGAGCTAGATCGGAAGAGCGGTTCAG
chr19	30312735	30312774	CCNE1_8770	+	GTGACCTATGCACCAGACGTGTGAATTTTCCGGCCATTTTTTAAATGCGTACGGCAGATCAGATCGGAAGAGCGGTTCAG
chr19	30313048	30313087	CCNE1_8771	+	GTGACCTATGCACCAGACGTCCATCACGTCCGTGGGGCCACCTTCCCTGCAGCTGGAGTGAGATCGGAAGAGCGGTTCAG
chr19	30313269	30313308	CCNE1_8772	+	GTGACCTATGCACCAGACGTTTTCCAGTGCATGCACAAACAAGGTGTACTAAGCTTACATAGATCGGAAGAGCGGTTCAG
chr19	30313521	30313560	CCNE1_8773	+	GTGACCTATGCACCAGACGTCTCCTTCTTTCAGTCCTTCTTGGCCAAATTCTTAAAACTGAGATCGGAAGAGCGGTTCAG
chr19	30314695	30314734	CCNE1_8774	+	GTGACCTATGCACCAGACGTCTTCTCCACCAAAGACAGTTGCGCGCCTGCTCCACGTTCTAGATCGGAAGAGCGGTTCAG
chr7	14216535	14216574	DGKB_8775	+	GTGACCTATGCACCAGACGTATATTTCATTGTAAGTATTGCAAGGAAATACTTTATATTAAGATCGGAAGAGCGGTTCAG
chr7	14217787	14217826	DGKB_8776	+	GTGACCTATGCACCAGACGTGTAGATGCCTTTTAAGTTGCAATGTGTATACATATGTCCAAGATCGGAAGAGCGGTTCAG
chr7	14378346	14378385	DGKB_8777	+	GTGACCTATGCACCAGACGTAAAAGAAAGAAACAGAAACGGAATATTTTATCTTTATTTCAGATCGGAAGAGCGGTTCAG
chr7	14385027	14385066	DGKB_8778	+	GTGACCTATGCACCAGACGTAAAGGAAGAAGCACCTTAGGCAATTATCAATAACAGAGGGAGATCGGAAGAGCGGTTCAG
chr7	14517861	14517900	DGKB_8779	+	GTGACCTATGCACCAGACGTAAAATAGAAAACAAAAACAGGATGGTTTATGATCCTATTAAGATCGGAAGAGCGGTTCAG
chr7	14614008	14614047	DGKB_8780	+	GTGACCTATGCACCAGACGTAAAAAAATACCTTGAGAAAAGAACTCTAACCAAATAAAAAAGATCGGAAGAGCGGTTCAG
chr7	14620587	14620626	DGKB_8781	+	GTGACCTATGCACCAGACGTAAAAAAAATACAAATAAAGAAAATTTTAAGTTCAGATAAAAGATCGGAAGAGCGGTTCAG
chr7	14622773	14622812	DGKB_8782	+	GTGACCTATGCACCAGACGTAGCATGTTATGGCACATGATTAATAGTTTAAAAATAAGATAGATCGGAAGAGCGGTTCAG
chr7	14653049	14653088	DGKB_8783	+	GTGACCTATGCACCAGACGTAGTTATATACATGGAAAAATTATTAGGCCCATTATATATGAGATCGGAAGAGCGGTTCAG
chr7	14661130	14661169	DGKB_8784	+	GTGACCTATGCACCAGACGTGAAAATTTTGATAAAAATAAAAATTAGGAAAATAACATAAAGATCGGAAGAGCGGTTCAG
chr7	14669907	14669946	DGKB_8785	+	GTGACCTATGCACCAGACGTGAAGTTCATATGAAAGCTGAAAAAGAGTCAAACTCAAAACAGATCGGAAGAGCGGTTCAG
chr7	14712663	14712702	DGKB_8786	+	GTGACCTATGCACCAGACGTAGAAAGGGGGATAGTATCAAATTCTACATGACAACGCCTAAGATCGGAAGAGCGGTTCAG
chr7	14722305	14722344	DGKB_8787	+	GTGACCTATGCACCAGACGTATGACAACATTGTGATAAGAGGACACACTACATAATGGCCAGATCGGAAGAGCGGTTCAG
chr7	14722477	14722516	DGKB_8788	+	GTGACCTATGCACCAGACGTACAGGTACACAAATTCAGAGCTAATCCTGGTCCTGGTTGTAGATCGGAAGAGCGGTTCAG
chr7	14724998	14725037	DGKB_8789	+	GTGACCTATGCACCAGACGTCGTAAGAGAAACAGATTTCACTTAATGAAATAAACAGTGAAGATCGGAAGAGCGGTTCAG
chr7	14733830	14733869	DGKB_8790	+	GTGACCTATGCACCAGACGTGGAGATAAGGGAAAATTGGTGGTCAACCAATAAAATAAATAGATCGGAAGAGCGGTTCAG
chr7	14737805	14737844	DGKB_8791	+	GTGACCTATGCACCAGACGTAAGAGAGATAAAAAATATGAATACAAGATCTTAGTGAGTTAGATCGGAAGAGCGGTTCAG
chr7	14741366	14741405	DGKB_8792	+	GTGACCTATGCACCAGACGTAGAGGTGTTGAAAACAAGATTATAGGCAAATAAGATCAATAGATCGGAAGAGCGGTTCAG
chr7	14758321	14758360	DGKB_8793	+	GTGACCTATGCACCAGACGTAATTGTCTTTATATTTTGTTAATTATTTACAGTGATCTCAAGATCGGAAGAGCGGTTCAG
chr7	14775830	14775869	DGKB_8794	+	GTGACCTATGCACCAGACGTAAAATGTAAACATGTATTTTAAGATCCAACCAAATGTTAAAGATCGGAAGAGCGGTTCAG
chr7	14793584	14793623	DGKB_8795	+	GTGACCTATGCACCAGACGTAAGGAAAGAAAGAATACATGTGTTAATGTAAGATACTTTAAGATCGGAAGAGCGGTTCAG
chr7	14797367	14797406	DGKB_8796	+	GTGACCTATGCACCAGACGTCAGAAAACACAAAAATTGTTTATATGCACATACTGTGGTTAGATCGGAAGAGCGGTTCAG
chr7	14880899	14880938	DGKB_8797	+	GTGACCTATGCACCAGACGTAGAAGCTCTGTCACATACCAGGTAAAAGATTCTTTATTCAAGATCGGAAGAGCGGTTCAG
chr7	100401223	100401262	EPHB4_8798	+	GTGACCTATGCACCAGACGTAAAGGAGAGCTTGGTGAGACCCTAGGTTCCCTGTGGCCGCAGATCGGAAGAGCGGTTCAG
chr7	100402954	100402993	EPHB4_8799	+	GTGACCTATGCACCAGACGTAGGATGGGGAGGAATGCTGAGTACCAGGCCCAGGTCCGGGAGATCGGAAGAGCGGTTCAG
chr7	100403327	100403366	EPHB4_8800	+	GTGACCTATGCACCAGACGTGGGAAGAAGCTCTGGGTGAGGCTGTCCAGGAAAAGCAAAGAGATCGGAAGAGCGGTTCAG
chr7	100404202	100404241	EPHB4_8801	+	GTGACCTATGCACCAGACGTAGGAGAAAAGGTGAGCTGGGGGACTCACTGAGGGACTCACAGATCGGAAGAGCGGTTCAG
chr7	100405213	100405252	EPHB4_8802	+	GTGACCTATGCACCAGACGTGATAGGGTGGGGGCTTGGTGAGGACAGCCCACCCACCGTTAGATCGGAAGAGCGGTTCAG
chr7	100410627	100410666	EPHB4_8803	+	GTGACCTATGCACCAGACGTGGACGCAGAGGTCATCAGCTCTCCCGCTCCAGTGTGGCCCAGATCGGAAGAGCGGTTCAG
chr7	100410841	100410880	EPHB4_8804	+	GTGACCTATGCACCAGACGTAGGCAGGGCCCCGTCAGCTGGGAATTAACTCCCACTGGACAGATCGGAAGAGCGGTTCAG
chr7	100411349	100411388	EPHB4_8805	+	GTGACCTATGCACCAGACGTTGGGAAAGGAACAAAAGGTAAACTGAGTCACACATCTTTAAGATCGGAAGAGCGGTTCAG
chr7	100411654	100411693	EPHB4_8806	+	GTGACCTATGCACCAGACGTAAAGGCTGCTGATCAGGAGAAACTGATGGTCCTGTAGGAGAGATCGGAAGAGCGGTTCAG
chr7	100414990	100415029	EPHB4_8807	+	GTGACCTATGCACCAGACGTGAGGTAGTGGGGTGGCCGTCACCCGGGAACCCAAGTTCCTAGATCGGAAGAGCGGTTCAG
chr7	100416277	100416316	EPHB4_8808	+	GTGACCTATGCACCAGACGTCAGAGACACAGGGAACCCTTGTGCATGGTAGCTCTGTCCCAGATCGGAAGAGCGGTTCAG
chr7	100417522	100417561	EPHB4_8809	+	GTGACCTATGCACCAGACGTCCAGGGAGTCAGGCAGAGGCCGACCTGCTCTGCGGTGGTGAGATCGGAAGAGCGGTTCAG
chr7	100417929	100417968	EPHB4_8810	+	GTGACCTATGCACCAGACGTGAAAGCATTCATCAAAAGCATGCACAAAAACATCCATCTGAGATCGGAAGAGCGGTTCAG
chr7	100420300	100420339	EPHB4_8811	+	GTGACCTATGCACCAGACGTGGGGGAGGCACACCGCTGCTGTCCCCACTCCCTGAGGACCAGATCGGAAGAGCGGTTCAG
chr7	100421564	100421603	EPHB4_8812	+	GTGACCTATGCACCAGACGTAAGGAGGTCAGCAAGGGGGCTGGGGAGCCGCCAGGGAGAGAGATCGGAAGAGCGGTTCAG
chr7	100421906	100421945	EPHB4_8813	+	GTGACCTATGCACCAGACGTCAGAGAGACAGAGTCAGTGCCTGGGGTGGGGAGGGAGGTAGATCGGAAGAGCGGTTCAG
chr7	100424663	100424702	EPHB4_8814	+	GTGACCTATGCACCAGACGTCACTCGGGTAGGATCCGAACTGAGTTTGGGGGGCCCTCGCAGATCGGAAGAGCGGTTCAG
chr10	50667291	50667330	ERCC6_8815	+	GTGACCTATGCACCAGACGTAAGACCACTATACTGATATATTTAATTTCTAGTTTATGCCAGATCGGAAGAGCGGTTCAG
chr10	50668508	50668547	ERCC6_8816	+	GTGACCTATGCACCAGACGTAAAAGCATCACAGTAGATTAAATGTTTGCTTTTGAGACTTAGATCGGAAGAGCGGTTCAG

chr10	50669613	50669652	ERCC6_8817	+	GTGACCTATGCACCAGACGTAAGAAATAGCAAAGTGATATTTCACTCTGTATGCAAGAAAAGATCGGAAGAGCGGTTCAG
chr10	50678946	50678985	ERCC6_8818	+	GTGACCTATGCACCAGACGTGAAAAACACCACTAATACTATATTGTATCATCTTGTGCAAAGATCGGAAGAGCGGTTCAG
chr10	50679177	50679216	ERCC6_8819	+	GTGACCTATGCACCAGACGTAAAAGATAAGCTGGTATAAAACAATGTGTAGCTCTACCTAAGATCGGAAGAGCGGTTCAG
chr10	50680527	50680566	ERCC6_8820	+	GTGACCTATGCACCAGACGTGAGAGAGAGACCTCTCAACGAGAATCCTTCCCAATGACAAAGATCGGAAGAGCGGTTCAG
chr10	50681085	50681124	ERCC6_8821	+	GTGACCTATGCACCAGACGTGACACACAACACTGAGCACACACACTTAAGACCAGTTACAAGATCGGAAGAGCGGTTCAG
chr10	50681644	50681683	ERCC6_8822	+	GTGACCTATGCACCAGACGTGTGGGGGATAGGAGTTTGCAAAGCAAATACACATTCCCAGAGATCGGAAGAGCGGTTCAG
chr10	50682299	50682338	ERCC6_8823	+	GTGACCTATGCACCAGACGTAAAGAGTACATGTACACTCAGATGACCCCATGTAAAGTAAAGATCGGAAGAGCGGTTCAG
chr10	50684367	50684406	ERCC6_8824	+	GTGACCTATGCACCAGACGTGAAAAACAAGGAAACTATAATTTCAAAAAAAAAATTAACAAGATCGGAAGAGCGGTTCAG
chr10	50686527	50686566	ERCC6_8825	+	GTGACCTATGCACCAGACGTAGCAGAGAAGGGAACATTACTATATATGTTTAAGGAACGCAGATCGGAAGAGCGGTTCAG
chr10	50690920	50690959	ERCC6_8826	+	GTGACCTATGCACCAGACGTAAAGGAAGCACCTTTTTATTAAATTTACCTTTTAGCAATCAGATCGGAAGAGCGGTTCAG
chr10	50691573	50691612	ERCC6_8827	+	GTGACCTATGCACCAGACGTAATAAAATGGTAAAGTCAGTTTTAAATAAGAAGTGACACCAGATCGGAAGAGCGGTTCAG
chr10	50701309	50701348	ERCC6_8828	+	GTGACCTATGCACCAGACGTACGTCCAAGAAGAAAACAACCATGAAAGAGCATATACAGTAGATCGGAAGAGCGGTTCAG
chr10	50708753	50708792	ERCC6_8829	+	GTGACCTATGCACCAGACGTAAACACCAACAAGAAAAGAGAAAATGGCAAATGGTGGATAAGATCGGAAGAGCGGTTCAG
chr10	50714069	50714108	ERCC6_8830	+	GTGACCTATGCACCAGACGTAATAAAAATCACATTTCCATTATTTTGATCACAAGACAGAAGATCGGAAGAGCGGTTCAG
chr10	50732834	50732873	ERCC6_8831	+	GTGACCTATGCACCAGACGTAATAGCAATGCGTTTCGCACTAGCATGAAACTTTCCGAGGAGATCGGAAGAGCGGTTCAG
chr10	50736582	50736621	ERCC6_8832	+	GTGACCTATGCACCAGACGTAAATATAGAAGACAGAAAACAGCAATGAAGTGATTTATTGAGATCGGAAGAGCGGTTCAG
chr10	50738897	50738936	ERCC6_8833	+	GTGACCTATGCACCAGACGTAGATAAATTGTCTATTTTGCACTCTGATAACATTTTTATAAGATCGGAAGAGCGGTTCAG
chr10	50741021	50741060	ERCC6_8834	+	GTGACCTATGCACCAGACGTCTACCTAAAAGGAAAAAAATTTATAAGCCTTTTCGTTATAAGATCGGAAGAGCGGTTCAG
chr10	50678592	50678631	ERCC6_8835	+	GTGACCTATGCACCAGACGTAGTTTTGCCTGTTCCTGAAGAATTTGAACATTCCCCATTTAGATCGGAAGAGCGGTTCAG
chr10	50732461	50732500	ERCC6_8836	+	GTGACCTATGCACCAGACGTCCCTCTTCTGGAGTTTCTTGATGTGCTTTTTCAAACGCTCAGATCGGAAGAGCGGTTCAG
chr6	152163933	152163972	ESR1_8837	+	GTGACCTATGCACCAGACGTGTTGAAAACGACTTCTATTTTTGATCCTATGAGCAGATCCAGATCGGAAGAGCGGTTCAG
chr6	152201917	152201956	ESR1_8838	+	GTGACCTATGCACCAGACGTCTCTCCCAGGGGCCCTTGGGGATGGCCCTGGCCACCGCCCAGATCGGAAGAGCGGTTCAG
chr6	152265654	152265693	ESR1_8839	+	GTGACCTATGCACCAGACGTGAAGCGCAGCTTTTAAGAGTCAATAGCTTTTCAAGAACTTAGATCGGAAGAGCGGTTCAG
chr6	152332940	152332979	ESR1_8840	+	GTGACCTATGCACCAGACGTTGGCTGTAGCTTAGGAGTAGCATGTTCTTTACGATCATAGAGATCGGAAGAGCGGTTCAG
chr6	152382270	152382309	ESR1_8841	+	GTGACCTATGCACCAGACGTAACACAAGATAACTCAATGCTGGATGAAATGTTTATTTGTAGATCGGAAGAGCGGTTCAG
chr6	152415714	152415753	ESR1_8842	+	GTGACCTATGCACCAGACGTTGTGGGCTTCCTACAGGAGAGACATAAAGAAAACATGCCCAGATCGGAAGAGCGGTTCAG
chr6	152420112	152420151	ESR1_8843	+	GTGACCTATGCACCAGACGTGCTCCCACACGGTTCAGATAATCCCTGCTGCATTTTACCCAGATCGGAAGAGCGGTTCAG
chr7	128471054	128471093	FLNC_8844	+	GTGACCTATGCACCAGACGTGGGGCGAGGGCACGGGCGCTGCGGGGATAGGGTCGTCCCAAGATCGGAAGAGCGGTTCAG
chr7	128475639	128475678	FLNC_8845	+	GTGACCTATGCACCAGACGTCAGTGAGCACAGCATGGAGCCCTTAGCTCCCAAAGACAGAAGATCGGAAGAGCGGTTCAG
chr7	128477322	128477361	FLNC_8846	+	GTGACCTATGCACCAGACGTAGATGGGGCAGGGGGGAAAGGGGGCAGGGGCAGAGGTTGGAGATCGGAAGAGCGGTTCAG
chr7	128477613	128477652	FLNC_8847	+	GTGACCTATGCACCAGACGTGCCCCTGGCGGCCCTCCTGGGCAGCTGGGCACATGTAGGCAGATCGGAAGAGCGGTTCAG
chr7	128477820	128477859	FLNC_8848	+	GTGACCTATGCACCAGACGTGCCGCTGGGGACAGAGGGATTCACTTGGGATTGGAACCAGAGATCGGAAGAGCGGTTCAG
chr7	128478129	128478168	FLNC_8849	+	GTGACCTATGCACCAGACGTCTAGGCCCCCCTGCCTGCGCTGCTCTTCACATCCTTGGTTAGATCGGAAGAGCGGTTCAG
chr7	128478494	128478533	FLNC_8850	+	GTGACCTATGCACCAGACGTCCCCAGGGGGTGCAGGTGGAAAGCCCCTGACCATGTGGGGAGATCGGAAGAGCGGTTCAG
chr7	128478868	128478907	FLNC_8851	+	GTGACCTATGCACCAGACGTTTCACTGCTCCCCACGGTAGCCCTTACCAAAGCCAGAGGCAGATCGGAAGAGCGGTTCAG
chr7	128480225	128480264	FLNC_8852	+	GTGACCTATGCACCAGACGTGAGCCCAGGGTCGTGAGGGTGGGGCTGGGGGATCATAAGGAGATCGGAAGAGCGGTTCAG
chr7	128480739	128480778	FLNC_8853	+	GTGACCTATGCACCAGACGTTGCGCCCCCCATGCTGTCCTGTCTAGGCCATCACAGGGAGAGATCGGAAGAGCGGTTCAG
chr7	128481035	128481074	FLNC_8854	+	GTGACCTATGCACCAGACGTGGGGGGCAGGAGGAGGGAGTGCTGCGGGGGAGGGCAGCAGAGATCGGAAGAGCGGTTCAG
chr7	128481428	128481467	FLNC_8855	+	GTGACCTATGCACCAGACGTAGCTCACACACACCTGCCCCGGGGGTGGGGCAAGCTGGTTAGATCGGAAGAGCGGTTCAG
chr7	128481632	128481671	FLNC_8856	+	GTGACCTATGCACCAGACGTGTCCAGTCTCTGCTGCCCTTACTACCCATGGCAGGGACCCAGATCGGAAGAGCGGTTCAG
chr7	128482439	128482478	FLNC_8857	+	GTGACCTATGCACCAGACGTCCGGCCTGCCCCGTGCCCACCACCAGGGGTCCCTGAGGGAAGATCGGAAGAGCGGTTCAG
chr7	128482763	128482802	FLNC_8858	+	GTGACCTATGCACCAGACGTCCGGAAGGGGTGGGTCTGGGAGGGGGCGGGGGTGAGTCGAAGATCGGAAGAGCGGTTCAG
chr7	128483019	128483058	FLNC_8859	+	GTGACCTATGCACCAGACGTTCCTGGGTACTCACAGCGACATGCACCTGCCAGCTCCAGAAGATCGGAAGAGCGGTTCAG
chr7	128483384	128483423	FLNC_8860	+	GTGACCTATGCACCAGACGTGGGCAGGGGCTGGGACTGGCTCGAGGTTGGGGTTAGGTGGAGATCGGAAGAGCGGTTCAG
chr7	128483642	128483681	FLNC_8861	+	GTGACCTATGCACCAGACGTCCCCTCCCATGCTACCGCCCGGCCGGCCCGCCAGAGCCCTAGATCGGAAGAGCGGTTCAG
chr7	128483978	128484017	FLNC_8862	+	GTGACCTATGCACCAGACGTCAAGAGCCACCCTGGGAGTGAGGGGTATTCGGGTAGGGTGAGATCGGAAGAGCGGTTCAG
chr7	128484331	128484370	FLNC_8863	+	GTGACCTATGCACCAGACGTAGGAGCTGGTTGGGGCTGGGAGTTGGGGACTTGTTGGGAAAGATCGGAAGAGCGGTTCAG
chr7	128485320	128485359	FLNC_8864	+	GTGACCTATGCACCAGACGTAGGAGGAGCCAAGAAAGGTCAAGTGGCAGGTGCAGGAGCTAGATCGGAAGAGCGGTTCAG
chr7	128486228	128486267	FLNC_8865	+	GTGACCTATGCACCAGACGTGTGGGCCAGGCTAGTGGGCAGGGCTGGGCAAGTGGGCAGGAGATCGGAAGAGCGGTTCAG
chr7	128486528	128486567	FLNC_8866	+	GTGACCTATGCACCAGACGTCCTTTGCTAGCCTAAATCTGTGACCACCCTTTCCCAGCCCAGATCGGAAGAGCGGTTCAG
chr7	128486970	128487009	FLNC_8867	+	GTGACCTATGCACCAGACGTAGAGTGGTCGGGGTCTCAGGGAAGACAAGGGAGGGTGCAGAGATCGGAAGAGCGGTTCAG
chr7	128487929	128487968	FLNC_8868	+	GTGACCTATGCACCAGACGTGCCGGGGCAGGGAGGAGGGAGGTGGGGCGGGACGCCCGGAAGATCGGAAGAGCGGTTCAG
chr7	128488133	128488172	FLNC_8869	+	GTGACCTATGCACCAGACGTGCCCTGGGCTCCTGTGCTGCGGCTGAGCTCTGGGGTGCTCAGATCGGAAGAGCGGTTCAG
chr7	128488782	128488821	FLNC_8870	+	GTGACCTATGCACCAGACGTGTGCATCCCACCCCGCAGGTCATGCTCCAGGCACAGGCGGAGATCGGAAGAGCGGTTCAG
chr7	128489047	128489086	FLNC_8871	+	GTGACCTATGCACCAGACGTACCCGCTGCCCGTGCCCTGCTCACCACCCAGCCCCTCAAAAGATCGGAAGAGCGGTTCAG
chr7	128489269	128489308	FLNC_8872	+	GTGACCTATGCACCAGACGTTTTCTCTCCTCTTCTTGGTGTGGGCCAGGGTGGTTGGCGGAGATCGGAAGAGCGGTTCAG
chr7	128489643	128489682	FLNC_8873	+	GTGACCTATGCACCAGACGTTAGCCACAGCAAGACTAGATGGCTGGGGAGGGGGGCCTGGAGATCGGAAGAGCGGTTCAG
chr7	128491008	128491047	FLNC_8874	+	GTGACCTATGCACCAGACGTGGCTGGGCTGGGCTGGGGCTTGGGTGAGAGGAGCAGGCCGAGATCGGAAGAGCGGTTCAG

chr7	128491425	128491464	FLNC_8875	+	GTGACCTATGCACCAGACGTTGCAGGTCGCAGGCTGGGGTGGAGACTCACCAGGGGCAGGAGATCGGAAGAGCGGTTCAG
chr7	128491693	128491732	FLNC_8876	+	GTGACCTATGCACCAGACGTTGTATGGGCATGTACAGCCCATGAGGCACACACACCGCATAGATCGGAAGAGCGGTTCAG
chr7	128492817	128492856	FLNC_8877	+	GTGACCTATGCACCAGACGTGGCCTCACGGGGACCTCAGGGGTGGGGGCCCACAGGATGCAGATCGGAAGAGCGGTTCAG
chr7	128493096	128493135	FLNC_8878	+	GTGACCTATGCACCAGACGTCCCCAGAGAGCCCCCATTCCAGCGGGTGCCTCCCACAGGCAGATCGGAAGAGCGGTTCAG
chr7	128493686	128493725	FLNC_8879	+	GTGACCTATGCACCAGACGTGGGCAGAGGTCGGTGGCGAGAGACAGGGAGGCCAGGAGGCAGATCGGAAGAGCGGTTCAG
chr7	128493902	128493941	FLNC_8880	+	GTGACCTATGCACCAGACGTGGAGGACCCTGGGTGGGGCGGGTGGTGGGAGAGGGCTGGCAGATCGGAAGAGCGGTTCAG
chr7	128494281	128494320	FLNC_8881	+	GTGACCTATGCACCAGACGTCACACTGGGCCGGCCGGGTCCTCACGGCGGGATGGGAGGGAGATCGGAAGAGCGGTTCAG
chr7	128494747	128494786	FLNC_8882	+	GTGACCTATGCACCAGACGTGGTGGCCAGGAGTGGGGATGAAGTCAGGGCAGCCAGTGTGAGATCGGAAGAGCGGTTCAG
chr7	128494977	128495016	FLNC_8883	+	GTGACCTATGCACCAGACGTACACTGGCAGTGGGGCTGGGCCTGCCTGACCTTCCAGACTAGATCGGAAGAGCGGTTCAG
chr7	128495379	128495418	FLNC_8884	+	GTGACCTATGCACCAGACGTAGGGTGGGGGTGGAGGGTTTCTGCTATCTGAGAGATGGGCAGATCGGAAGAGCGGTTCAG
chr7	128496715	128496754	FLNC_8885	+	GTGACCTATGCACCAGACGTCCTGCCCCTGCCAACTCCCTTCCGGGCTGGGGCCTTCTGGAGATCGGAAGAGCGGTTCAG
chr7	128496986	128497025	FLNC_8886	+	GTGACCTATGCACCAGACGTGGAGCTGGGGAACAGGGTGACTTCTGGGGGTGCTTGGCCAAGATCGGAAGAGCGGTTCAG
chr7	128497401	128497440	FLNC_8887	+	GTGACCTATGCACCAGACGTGTTTGGGGGAGGTCCACCCAGCCTGCAGCCCAGCCCAGCCAGATCGGAAGAGCGGTTCAG
chr7	128498282	128498321	FLNC_8888	+	GTGACCTATGCACCAGACGTGGGGGAGGGCGTCTCCCGGGGTGTGAGCAAGAAGCCGTCAAGATCGGAAGAGCGGTTCAG
chr7	128485021	128485060	FLNC_8889	+	GTGACCTATGCACCAGACGTGGCAAGGTCGGTGAGGCAGCCACCTTCACTGTGGACTGCTAGATCGGAAGAGCGGTTCAG
chr2	216226360	216226399	FN1_8890	+	GTGACCTATGCACCAGACGTGGAAGAAGGAAAAAAAAATTAGTGGCAAATACTGTAAAGTAGATCGGAAGAGCGGTTCAG
chr2	216226813	216226852	FN1_8891	+	GTGACCTATGCACCAGACGTAGAGGCATGAAGTCAAATGGGGTTTATGATAACCTGAGGAAGATCGGAAGAGCGGTTCAG
chr2	216229719	216229758	FN1_8892	+	GTGACCTATGCACCAGACGTACACAAGACAGATGCACGCATAAGCTGAGAACAATACTGCAGATCGGAAGAGCGGTTCAG
chr2	216230364	216230403	FN1_8893	+	GTGACCTATGCACCAGACGTGGGGAAAGTCAGGACCAAAAAGTTATTTGTATATTCTGACAGATCGGAAGAGCGGTTCAG
chr2	216232761	216232800	FN1_8894	+	GTGACCTATGCACCAGACGTAAGGAAGAAAAAGCAAAAAGAGACATCTTATTAATCGATTAGATCGGAAGAGCGGTTCAG
chr2	216235166	216235205	FN1_8895	+	GTGACCTATGCACCAGACGTCGGTACATCCAAAGCAGAGAGAAAGCATTATAGTGAGGAAAGATCGGAAGAGCGGTTCAG
chr2	216236749	216236788	FN1_8896	+	GTGACCTATGCACCAGACGTATTTGGATTGAGTCCCGGACCGTGTGGGTACAGGTGATAGAGATCGGAAGAGCGGTTCAG
chr2	216237109	216237148	FN1_8897	+	GTGACCTATGCACCAGACGTGAGGTTAGAGCCAAAAAAGCAAAGCGCATTAAGCTCCAGGAGATCGGAAGAGCGGTTCAG
chr2	216237034	216237073	FN1_8898	+	GTGACCTATGCACCAGACGTAACATCCAAGATCTCTGGTCCATGAAGATTGGGGTGTGGAAGATCGGAAGAGCGGTTCAG
chr2	216238145	216238184	FN1_8899	+	GTGACCTATGCACCAGACGTAATAGAACCATCACATTATGTCAATGGGCTCAGCTAGTCAAGATCGGAAGAGCGGTTCAG
chr2	216240127	216240166	FN1_8900	+	GTGACCTATGCACCAGACGTACAAAATTAAGTCTCTAAGAAGGCAAATAACCAAGAAAATAGATCGGAAGAGCGGTTCAG
chr2	216240452	216240491	FN1_8901	+	GTGACCTATGCACCAGACGTAGAAGAGATGATTTTTAACAGTTCTTGCTTTTTACTAGGAAGATCGGAAGAGCGGTTCAG
chr2	216241408	216241447	FN1_8902	+	GTGACCTATGCACCAGACGTGCATAGCTAGAGATTAGTGCCTGCTTGGCTCATCCATGTAAGATCGGAAGAGCGGTTCAG
chr2	216242996	216243035	FN1_8903	+	GTGACCTATGCACCAGACGTAAGGGCATGGTGAGCTTTAGCAACGTCCTCAACTGAAACCAGATCGGAAGAGCGGTTCAG
chr2	216244051	216244090	FN1_8904	+	GTGACCTATGCACCAGACGTTGTCATTGGTTAGAGGTTATCTTATAGGAAATGGGGGAAAAGATCGGAAGAGCGGTTCAG
chr2	216245814	216245853	FN1_8905	+	GTGACCTATGCACCAGACGTAATTAATGGTAAGAGGTTATGTGAAAAGCAAGTTGTGAAAAGATCGGAAGAGCGGTTCAG
chr2	216247059	216247098	FN1_8906	+	GTGACCTATGCACCAGACGTAGTGAAAAGCAAATGCAACATCCACGTCATCCACTATAAAAGATCGGAAGAGCGGTTCAG
chr2	216248217	216248256	FN1_8907	+	GTGACCTATGCACCAGACGTAAGCAGGGAGAAACCAGTGAAGCCCCAGTCCTTGGAGACAAGATCGGAAGAGCGGTTCAG
chr2	216248918	216248957	FN1_8908	+	GTGACCTATGCACCAGACGTAAGGGTTAGTTCAGAGTGTGAGGGGTTTAGAGCTACTTGGAGATCGGAAGAGCGGTTCAG
chr2	216249710	216249749	FN1_8909	+	GTGACCTATGCACCAGACGTAAGGGAAACTTTTCACATCCGTAATTTTCAAACAATATTCAGATCGGAAGAGCGGTTCAG
chr2	216251692	216251731	FN1_8910	+	GTGACCTATGCACCAGACGTCACCCGGGGGAGGAAGAGAAAAAAAAAAGAAAAGACACCAAGATCGGAAGAGCGGTTCAG
chr2	216253035	216253074	FN1_8911	+	GTGACCTATGCACCAGACGTAAATGGGGCTTATTTTAAAACTCTGCTCAAAAGCATGAGAAGATCGGAAGAGCGGTTCAG
chr2	216256548	216256587	FN1_8912	+	GTGACCTATGCACCAGACGTACAAGAAGGAAGACTCAGTTAATGTAATTTTAAAATTAAAAGATCGGAAGAGCGGTTCAG
chr2	216257937	216257976	FN1_8913	+	GTGACCTATGCACCAGACGTACAAAGCAAAGGGAGGGGGAGGCAAAAGGAAAATAGAGGGAGATCGGAAGAGCGGTTCAG
chr2	216259453	216259492	FN1_8914	+	GTGACCTATGCACCAGACGTAAGAAAAGGGAAGTTATTGCACAGAGGATCTGTGAGCCAGAGATCGGAAGAGCGGTTCAG
chr2	216261957	216261996	FN1_8915	+	GTGACCTATGCACCAGACGTAGAACATTTTAAAAGTCAAAGCTGACACAAAGCTCTTGACAGATCGGAAGAGCGGTTCAG
chr2	216262582	216262621	FN1_8916	+	GTGACCTATGCACCAGACGTGAATGCAAAGTAAACACCAAGGACAAATATTTCCAGAGGAAGATCGGAAGAGCGGTTCAG
chr2	216264085	216264124	FN1_8917	+	GTGACCTATGCACCAGACGTGAATCAATGCACATATTCAAAACTCAAACTCACAGATGATAGATCGGAAGAGCGGTTCAG
chr2	216269389	216269428	FN1_8918	+	GTGACCTATGCACCAGACGTAGATGAAACATGCCAAGAAATATTTAGATCAGTAATGATCAGATCGGAAGAGCGGTTCAG
chr2	216271244	216271283	FN1_8919	+	GTGACCTATGCACCAGACGTAGAGTCAACTGGTCATTCACATTCTCTGCTGAAGATTACTAGATCGGAAGAGCGGTTCAG
chr2	216272055	216272094	FN1_8920	+	GTGACCTATGCACCAGACGTATGAGCAAAAGTAAGATGCACTGTTTTCTTTGAGACAGAGAGATCGGAAGAGCGGTTCAG
chr2	216272931	216272970	FN1_8921	+	GTGACCTATGCACCAGACGTAAGAAAGTGGGGCAAACAGTCAGGAAGTGCTACTACAGGCAGATCGGAAGAGCGGTTCAG
chr2	216273160	216273199	FN1_8922	+	GTGACCTATGCACCAGACGTAAAAGAAAAGGTAACTAATCAGAGCAAACTAGTCCCTCAAAGATCGGAAGAGCGGTTCAG
chr2	216274473	216274512	FN1_8923	+	GTGACCTATGCACCAGACGTACAGAAAGGGGAAAGTCAGCCTTCAGTCATCTAGAAAATTAGATCGGAAGAGCGGTTCAG
chr2	216279692	216279731	FN1_8924	+	GTGACCTATGCACCAGACGTAAATGTAGCATTTAATTATCTTGAATATTCACTCACTTCAAGATCGGAAGAGCGGTTCAG
chr2	216284119	216284158	FN1_8925	+	GTGACCTATGCACCAGACGTTGGAAGGAAAAGATAAACAGCCTTGAAGACTTATAACTACAGATCGGAAGAGCGGTTCAG
chr2	216285535	216285574	FN1_8926	+	GTGACCTATGCACCAGACGTAACAGGTGGGTGAGTGAGAAACTTTTTAAAGTTCCATTGAAGATCGGAAGAGCGGTTCAG
chr2	216286977	216287016	FN1_8927	+	GTGACCTATGCACCAGACGTATGGATAAGAAATGCACTTGATAAATGATCACCAGGTCTAAGATCGGAAGAGCGGTTCAG
chr2	216288260	216288299	FN1_8928	+	GTGACCTATGCACCAGACGTCAATACACAACAAAGAAGGAAAAGATTACCGCTGAGCTTTAGATCGGAAGAGCGGTTCAG
chr2	216289059	216289098	FN1_8929	+	GTGACCTATGCACCAGACGTAATCAAAAGAGTGTCAGTAAACAGAGATGCTTTATCTCCCAGATCGGAAGAGCGGTTCAG
chr2	216290019	216290058	FN1_8930	+	GTGACCTATGCACCAGACGTGAAAAGGGAATGTCACAAAACTGGGTGAGAGAAGACAATTAGATCGGAAGAGCGGTTCAG
chr2	216293072	216293111	FN1_8931	+	GTGACCTATGCACCAGACGTAAGGAAGCACATACATACATCAGGTCGAGAGTCGCAAGTGAGATCGGAAGAGCGGTTCAG
chr2	216295586	216295625	FN1_8932	+	GTGACCTATGCACCAGACGTATTTGGAAGAAAAACAGGAAAAAAAGGTTATTTTGAATTGAGATCGGAAGAGCGGTTCAG

chr2	216296698	216296737	FN1_8933	+	GTGACCTATGCACCAGACGTTACAACGAAAATGTTAGGAGAGGGCAGAACAGATTTTTTTAGATCGGAAGAGCGGTTCAG
chr2	216298195	216298234	FN1_8934	+	GTGACCTATGCACCAGACGTAAGGAAAGTCCATGTGAGCCTCACTTAGGTACAAGCTTTTAGATCGGAAGAGCGGTTCAG
chr2	216299558	216299597	FN1_8935	+	GTGACCTATGCACCAGACGTTTGAAGGAAAACGTTACATTTGCATTTCTCCTTTTCCCAAAGATCGGAAGAGCGGTTCAG
chr2	216300536	216300575	FN1_8936	+	GTGACCTATGCACCAGACGTTGGGGGAGAGACGCCCGCACCGGGAGGCAAGTTGCCACCAAGATCGGAAGAGCGGTTCAG
chr3	119545713	119545752	GSK3B_8937	+	GTGACCTATGCACCAGACGTAAAAGTCCCAAGAGAGAGCATGAGCAATGCTATAACAACAAGATCGGAAGAGCGGTTCAG
chr3	119562211	119562250	GSK3B_8938	+	GTGACCTATGCACCAGACGTTTAAGACACAAATGTTAGAGTCCACTCTTAACTTTGTATGAGATCGGAAGAGCGGTTCAG
chr3	119582463	119582502	GSK3B_8939	+	GTGACCTATGCACCAGACGTAAAAAAGGGAAAGAACAATTAATGTTTTATTTTAAGAATCAGATCGGAAGAGCGGTTCAG
chr3	119585486	119585525	GSK3B_8940	+	GTGACCTATGCACCAGACGTTAATGCAGTGAAATAATCCAAACAGGGGAAGTCAATCCAAAGATCGGAAGAGCGGTTCAG
chr3	119595366	119595405	GSK3B_8941	+	GTGACCTATGCACCAGACGTAGCAAGTTATTGCCATCTTTTCCTATATATTTACAAATTTAGATCGGAAGAGCGGTTCAG
chr3	119624710	119624749	GSK3B_8942	+	GTGACCTATGCACCAGACGTAAGAAAACGAAGCCTTATTAATACTTCATAGCTTGAGCTGAGATCGGAAGAGCGGTTCAG
chr3	119631668	119631707	GSK3B_8943	+	GTGACCTATGCACCAGACGTAAAAATAAAAATAAAAAGCAGAAATTCTTTAAATCTAAACAGATCGGAAGAGCGGTTCAG
chr3	119635032	119635071	GSK3B_8944	+	GTGACCTATGCACCAGACGTTAGTAGAAATTAATTAAATACTTCCTATTCTAAACAAATCAGATCGGAAGAGCGGTTCAG
chr3	119642341	119642380	GSK3B_8945	+	GTGACCTATGCACCAGACGTTTATTTAAAAAAACAAAAAACAAAACAGATTAGAAACTGGAGATCGGAAGAGCGGTTCAG
chr3	119666209	119666248	GSK3B_8946	+	GTGACCTATGCACCAGACGTAACACATAAAAATATATTTTTAAAGGATAACAGCTATTCAAGATCGGAAGAGCGGTTCAG
chr3	119721097	119721136	GSK3B_8947	+	GTGACCTATGCACCAGACGTAAAGGAAATTTTTTTTTCACGAGAACTGTAAGGAATTAAAAGATCGGAAGAGCGGTTCAG
chr3	119812292	119812331	GSK3B_8948	+	GTGACCTATGCACCAGACGTTTCGCGAATCACCTTTTCCTTCCTTCCTCCTTTTCTTCCTAGATCGGAAGAGCGGTTCAG
chr6	114262263	114262302	HDAC2_8949	+	GTGACCTATGCACCAGACGTAGGCAATGTGAAATATTAAAAATGGCACAATCTTGGTTTAAGATCGGAAGAGCGGTTCAG
chr6	114264681	114264720	HDAC2_8950	+	GTGACCTATGCACCAGACGTTATTTTAATAAATTTTGACAAAAACAGTCACAGGTTTTATAGATCGGAAGAGCGGTTCAG
chr6	114265585	114265624	HDAC2_8951	+	GTGACCTATGCACCAGACGTCATGCAAAGTTTATTAGACAAAATTAAATTTCTTTGCAGTAGATCGGAAGAGCGGTTCAG
chr6	114266645	114266684	HDAC2_8952	+	GTGACCTATGCACCAGACGTCAATAAAATAAAGTTACATATTACAAGCTCAGTTTTCACAAGATCGGAAGAGCGGTTCAG
chr6	114267323	114267362	HDAC2_8953	+	GTGACCTATGCACCAGACGTAAGATTTGGGTAACAACAAAATCTGCATACTGCAACAGTTAGATCGGAAGAGCGGTTCAG
chr6	114270262	114270301	HDAC2_8954	+	GTGACCTATGCACCAGACGTGATAACAAATGTTAGCATCTCCAATAACATTCTGAAATTCAGATCGGAAGAGCGGTTCAG
chr6	114270435	114270474	HDAC2_8955	+	GTGACCTATGCACCAGACGTTAATTAAACTGATCTTAGAGAATATTCTATAATAAAAAGTAGATCGGAAGAGCGGTTCAG
chr6	114274593	114274632	HDAC2_8956	+	GTGACCTATGCACCAGACGTATCCATAAGTTTTGGTTTTTCCTTTAAAGGTTCTAAGATGAGATCGGAAGAGCGGTTCAG
chr6	114277326	114277365	HDAC2_8957	+	GTGACCTATGCACCAGACGTGAAACAAGATAGACCTTTTAAACATTTATCATAAAAAAGTAGATCGGAAGAGCGGTTCAG
chr6	114277868	114277907	HDAC2_8958	+	GTGACCTATGCACCAGACGTTGGATTTCATTAATTTCAACACATTCTGCAAATTAATGAAAGATCGGAAGAGCGGTTCAG
chr6	114279941	114279980	HDAC2_8959	+	GTGACCTATGCACCAGACGTAAATAAATGTCAGAACTGTGGAATTACAACCGGTTATATCAGATCGGAAGAGCGGTTCAG
chr6	114281193	114281232	HDAC2_8960	+	GTGACCTATGCACCAGACGTAAAGACACAAACTAAACAATACAGACAAGAGACCCTCCATAGATCGGAAGAGCGGTTCAG
chr6	114292365	114292404	HDAC2_8961	+	GTGACCTATGCACCAGACGTCTCCACGGGGGAGGAAGGGGCACGGCTGGAGAAGGAGGCCAGATCGGAAGAGCGGTTCAG
chr7	27203471	27203510	HOXA9_8962	+	GTGACCTATGCACCAGACGTGAGAAACACTGGGTTTAGGAGCAGAAGACGCACATCCCGCAGATCGGAAGAGCGGTTCAG
chr7	27205087	27205126	HOXA9_8963	+	GTGACCTATGCACCAGACGTAGCGCCTGGCCCGCCCGGCCCGACCCACGGAAATTATGAAAGATCGGAAGAGCGGTTCAG
chr7	27204797	27204836	HOXA9_8964	+	GTGACCTATGCACCAGACGTGGTGCACGTAGGGGTGGTGGTGATGGTGGTGGTACACCGCAGATCGGAAGAGCGGTTCAG
chr11	64572299	64572338	MEN1_8965	+	GTGACCTATGCACCAGACGTGGGGAGAGCAAGGTGAGAGCAAGGTTGCCGGCCAGTGGCTAGATCGGAAGAGCGGTTCAG
chr11	64572681	64572720	MEN1_8966	+	GTGACCTATGCACCAGACGTGGGAAGGGAGGGCACAGATCAGTCTCTTACTCACCCCTTAAGATCGGAAGAGCGGTTCAG
chr11	64573253	64573292	MEN1_8967	+	GTGACCTATGCACCAGACGTAGTGGGGTCTCTGTAGGGTCTGAAGGGGTCTCACCATCGGAGATCGGAAGAGCGGTTCAG
chr11	64573851	64573890	MEN1_8968	+	GTGACCTATGCACCAGACGTGTGAGGCAGAGGATCCTCAGGGAGGCAGCCCCAGCTGCCCAGATCGGAAGAGCGGTTCAG
chr11	64574581	64574620	MEN1_8969	+	GTGACCTATGCACCAGACGTATCATAATTCAGGCTGCCACCCAGCCCCCCGGCCTCACCAAGATCGGAAGAGCGGTTCAG
chr11	64574702	64574741	MEN1_8970	+	GTGACCTATGCACCAGACGTAAGGAGAGAGTTATGAGCCACGGAACAGGGAGGAGAACGGAGATCGGAAGAGCGGTTCAG
chr11	64575163	64575202	MEN1_8971	+	GTGACCTATGCACCAGACGTGATGAGATCATTATGTCTCATGATGGCCCACCCTGTGCCTAGATCGGAAGAGCGGTTCAG
chr11	64575582	64575621	MEN1_8972	+	GTGACCTATGCACCAGACGTGGGAGGTAATGAAAGAGGGTCCTCTGTGCTTTAACATGGGAGATCGGAAGAGCGGTTCAG
chr11	64577592	64577631	MEN1_8973	+	GTGACCTATGCACCAGACGTGGTGGGCGGCGGCCTGCAAGGCAAGCCGGGGGAGGGAGGGAGATCGGAAGAGCGGTTCAG
chr22	36678842	36678881	MYH9_8974	+	GTGACCTATGCACCAGACGTAGGTAGAAGCAGAGGGTCAGCGGGCCCGGCCAGGCCAGGGAGATCGGAAGAGCGGTTCAG
chr22	36680322	36680361	MYH9_8975	+	GTGACCTATGCACCAGACGTGGACGTGTGGCCCGTGGCCCCGGTTAGGGGCTCTGGGCGTAGATCGGAAGAGCGGTTCAG
chr22	36680568	36680607	MYH9_8976	+	GTGACCTATGCACCAGACGTGACAAGGTGGCTCAGAGGGAACACCCTCCTTCAGAGGGTCAGATCGGAAGAGCGGTTCAG
chr22	36681386	36681425	MYH9_8977	+	GTGACCTATGCACCAGACGTAGGGCCAGTGACCTTGGGGAGGGCTGGGGCCCTGGCTGGAAGATCGGAAGAGCGGTTCAG
chr22	36681838	36681877	MYH9_8978	+	GTGACCTATGCACCAGACGTGGCGGGAGAAGTGAGGGGCCTACCCTGGGGACACACCTGGAGATCGGAAGAGCGGTTCAG
chr22	36682010	36682049	MYH9_8979	+	GTGACCTATGCACCAGACGTGACCCAGAGTGTGACCTAAAGGCAGCCACAGCCCCACAAGAGATCGGAAGAGCGGTTCAG
chr22	36682903	36682942	MYH9_8980	+	GTGACCTATGCACCAGACGTGACAGAGGCTTGGCACCCCACCCAGCTCCTTGGCCCTCCAAGATCGGAAGAGCGGTTCAG
chr22	36684470	36684509	MYH9_8981	+	GTGACCTATGCACCAGACGTGAACATCAACAACTTGGGAAGCTGGACCCACTGGGAGACCAGATCGGAAGAGCGGTTCAG
chr22	36684996	36685035	MYH9_8982	+	GTGACCTATGCACCAGACGTGAGAGCCCAAGTCAGGAGCAAAGGGACTGGCAGGTACCTGAGATCGGAAGAGCGGTTCAG
chr22	36685354	36685393	MYH9_8983	+	GTGACCTATGCACCAGACGTGGTGGGCACCATGAGGCTCAGAGCTACGGCCCCCAGCAGGAGATCGGAAGAGCGGTTCAG
chr22	36688291	36688330	MYH9_8984	+	GTGACCTATGCACCAGACGTGCAAGGAGTAAGCAGATGCCCGAGATGGCACCTGCTCAGGAGATCGGAAGAGCGGTTCAG
chr22	36689538	36689577	MYH9_8985	+	GTGACCTATGCACCAGACGTGTTGAGAGGGGTGCGGGTGCTTAGGAGGGTGGTGTCCAAAAGATCGGAAGAGCGGTTCAG
chr22	36689920	36689959	MYH9_8986	+	GTGACCTATGCACCAGACGTCGGGGAGACACAAAGGACCATGGACCCACCCCCACTGCTCAGATCGGAAGAGCGGTTCAG
chr22	36690355	36690394	MYH9_8987	+	GTGACCTATGCACCAGACGTAGAAAGCAAAGACGTGAGTGGGGGCCTCCTGACACAAGGCAGATCGGAAGAGCGGTTCAG
chr22	36691133	36691172	MYH9_8988	+	GTGACCTATGCACCAGACGTAAATCCCCTCAGAGTGGAGGCCGGGGATGCTGGAGCGAGGAGATCGGAAGAGCGGTTCAG
chr22	36691774	36691813	MYH9_8989	+	GTGACCTATGCACCAGACGTGACCAGCAACATCAGTATAAGGAGAGTTTCACCTCCAAGGAGATCGGAAGAGCGGTTCAG
chr22	36693071	36693110	MYH9_8990	+	GTGACCTATGCACCAGACGTGGGGGAGCCCACATAGCCCTCAGTGCCATGGGTTCTGTCTAGATCGGAAGAGCGGTTCAG

chr22	36695099	36695138	MYH9_8991	+	GTGACCTATGCACCAGACGTGGGAGTAGGCTGGCATTTAGTGTTGGTTGAGCACAGAACAAGATCGGAAGAGCGGTTCAG
chr22	36696321	36696360	MYH9_8992	+	GTGACCTATGCACCAGACGTCCAGAGACACGGTAAGGACAGCAGGCCCAGAGGCATGGCCAGATCGGAAGAGCGGTTCAG
chr22	36697114	36697153	MYH9_8993	+	GTGACCTATGCACCAGACGTCAAGTGGAAAACACAAGCTCCTCGCAACACCCTCAAGCCAAGATCGGAAGAGCGGTTCAG
chr22	36697722	36697761	MYH9_8994	+	GTGACCTATGCACCAGACGTAGATAGAGGTAGAGACATGCTCGGCTGGAAGATGCCCGCCAGATCGGAAGAGCGGTTCAG
chr22	36698733	36698772	MYH9_8995	+	GTGACCTATGCACCAGACGTAGGAACATGGTCAGCGCGGAGCAGTGGACAGCAGACCCGAAGATCGGAAGAGCGGTTCAG
chr22	36700212	36700251	MYH9_8996	+	GTGACCTATGCACCAGACGTGGAGCAGGCCGTTTACCTGGCCAGCAACTGGCCACAGCTCAGATCGGAAGAGCGGTTCAG
chr22	36701159	36701198	MYH9_8997	+	GTGACCTATGCACCAGACGTAAAGAGAAGCCTGGTCATTTTACCCATTGCCTCGATTCCAAGATCGGAAGAGCGGTTCAG
chr22	36702108	36702147	MYH9_8998	+	GTGACCTATGCACCAGACGTAAACACATGCATGCGGTCTCACTTCCGTGCCTAGAACAGTAGATCGGAAGAGCGGTTCAG
chr22	36702664	36702703	MYH9_8999	+	GTGACCTATGCACCAGACGTCACAGAGAACACGTGAGTGCCCACACAGTTGCAGCTGGGTAGATCGGAAGAGCGGTTCAG
chr22	36705452	36705491	MYH9_9000	+	GTGACCTATGCACCAGACGTCAGAGAGGCAGGAGTCACAAGCTGCGCTGGGGACATGTGTAGATCGGAAGAGCGGTTCAG
chr22	36708278	36708317	MYH9_9001	+	GTGACCTATGCACCAGACGTCGCAGCATCAGCACAGGTGAGTGCACCCTGGGAGGGGCACAGATCGGAAGAGCGGTTCAG
chr22	36710374	36710413	MYH9_9002	+	GTGACCTATGCACCAGACGTAGAAAACAATGTCAGAGAGACGCCAACCCTGCACTAAAGAAGATCGGAAGAGCGGTTCAG
chr22	36714381	36714420	MYH9_9003	+	GTGACCTATGCACCAGACGTTCAGAGAATAAGAGAGGGACAAAAAGTCCTAATTAGACCCAGATCGGAAGAGCGGTTCAG
chr22	36715691	36715730	MYH9_9004	+	GTGACCTATGCACCAGACGTAATCAGAGGCAGCTCAGAAGCAGACATGGGTCATGGTGATAGATCGGAAGAGCGGTTCAG
chr22	36716419	36716458	MYH9_9005	+	GTGACCTATGCACCAGACGTTGGAGGGCAAGGGCGCCTCAGCGAGGTGCTGAAAGTGGAGAGATCGGAAGAGCGGTTCAG
chr22	36716952	36716991	MYH9_9006	+	GTGACCTATGCACCAGACGTATTAAGGAGCAACACAAGCTGGGGAGAAGGCAAGCCCTCCAGATCGGAAGAGCGGTTCAG
chr22	36717877	36717916	MYH9_9007	+	GTGACCTATGCACCAGACGTAAGGATAGCAAGAGATCAGAGGTGCCCCTGACATGGGGAGAGATCGGAAGAGCGGTTCAG
chr22	36718577	36718616	MYH9_9008	+	GTGACCTATGCACCAGACGTCCCAGGGACGCAGTGAAGGCCGGGCAGCGACCTGGGCTGCAGATCGGAAGAGCGGTTCAG
chr22	36722717	36722756	MYH9_9009	+	GTGACCTATGCACCAGACGTAGGCAAGGAAGTCCCGGGCTTAGGCATGGCCAAGTCCTTGAGATCGGAAGAGCGGTTCAG
chr22	36723544	36723583	MYH9_9010	+	GTGACCTATGCACCAGACGTGAAGACATCAGATTAACTCCCGCCAGATGCAAAAGCCTCCAGATCGGAAGAGCGGTTCAG
chr22	36737582	36737621	MYH9_9011	+	GTGACCTATGCACCAGACGTGAGCGGCAGATAGGAACAGGTTAGGAAGTTTGATTCTCAGAGATCGGAAGAGCGGTTCAG
chr22	36745292	36745331	MYH9_9012	+	GTGACCTATGCACCAGACGTAGCCAGGACCTAAGCGGGGAGGAGAAGGACAACACATTACAGATCGGAAGAGCGGTTCAG
chr8	71025889	71025928	NCOA2_9013	+	GTGACCTATGCACCAGACGTACAGATAAAAAGTTGTGAAACATCTTTGAGGTTTTGAAAAAGATCGGAAGAGCGGTTCAG
chr8	71033637	71033676	NCOA2_9014	+	GTGACCTATGCACCAGACGTGAAGACAGGACAGTGGCTACGCAGAGCAGAATGTCCAAGAAGATCGGAAGAGCGGTTCAG
chr8	71036328	71036367	NCOA2_9015	+	GTGACCTATGCACCAGACGTATGGAAAGATTGAATGAATGTTACAGCTTGCTGGTATCCAAGATCGGAAGAGCGGTTCAG
chr8	71037111	71037150	NCOA2_9016	+	GTGACCTATGCACCAGACGTAAAACAGAAACAGAAATCCAAAAGAGACTGTTAGTTATATAGATCGGAAGAGCGGTTCAG
chr8	71039293	71039332	NCOA2_9017	+	GTGACCTATGCACCAGACGTGGGCAACACATGGAGGAAAATGTCGGGGACAGACATAGATAGATCGGAAGAGCGGTTCAG
chr8	71040756	71040795	NCOA2_9018	+	GTGACCTATGCACCAGACGTACAAACAGGATGAATACATTTTAAGAACAGAATACATTTTAGATCGGAAGAGCGGTTCAG
chr8	71041226	71041265	NCOA2_9019	+	GTGACCTATGCACCAGACGTAGTCCCAAATAACAAACAAATAATTAAACCATAAAAACAGAGATCGGAAGAGCGGTTCAG
chr8	71044248	71044287	NCOA2_9020	+	GTGACCTATGCACCAGACGTAGAAATGTCACCTTGGGCCAATGGAAAAGCTAGTTGATTAAGATCGGAAGAGCGGTTCAG
chr8	71050578	71050617	NCOA2_9021	+	GTGACCTATGCACCAGACGTAGAAGAAAAAAATCTTACATCTTTAATCAAGGAAGCATTTAGATCGGAAGAGCGGTTCAG
chr8	71053645	71053684	NCOA2_9022	+	GTGACCTATGCACCAGACGTGCCAAAGAAAACTGAGAGATGCAGTAACTGAAAACATATTAGATCGGAAGAGCGGTTCAG
chr8	71057094	71057133	NCOA2_9023	+	GTGACCTATGCACCAGACGTAACAAATGAAAATTGAAGGTTAATATAGGATAATGGAAAAAGATCGGAAGAGCGGTTCAG
chr8	71060729	71060768	NCOA2_9024	+	GTGACCTATGCACCAGACGTCAAACAGAAGAGTTTATCCAGTCTACTCTAAGAGTAGACAAGATCGGAAGAGCGGTTCAG
chr8	71069486	71069525	NCOA2_9025	+	GTGACCTATGCACCAGACGTAGAAAAGAAAAAAATGTAAGATAAAAGGAAAAATACTTAGAGATCGGAAGAGCGGTTCAG
chr8	71071898	71071937	NCOA2_9026	+	GTGACCTATGCACCAGACGTGCAAGGAAACAGAAGGCACGTTTAGAAAAAAAAATTGAGGAGATCGGAAGAGCGGTTCAG
chr8	71075100	71075139	NCOA2_9027	+	GTGACCTATGCACCAGACGTACAGCAGGCATTATACCTACATGTTGATCTATTCTTTATGAGATCGGAAGAGCGGTTCAG
chr8	71075812	71075851	NCOA2_9028	+	GTGACCTATGCACCAGACGTACATGTTTACATTTATCATATTGGGCTTTTCTAGTGATTCAGATCGGAAGAGCGGTTCAG
chr8	71079000	71079039	NCOA2_9029	+	GTGACCTATGCACCAGACGTCAAAAGTAATCCAGTTTTACAAAGAAACAAACATCAGATTAGATCGGAAGAGCGGTTCAG
chr8	71082625	71082664	NCOA2_9030	+	GTGACCTATGCACCAGACGTAAGTACAAATTGTGTTAGAAAGGATGCAACATAACATCACAGATCGGAAGAGCGGTTCAG
chr8	71087105	71087144	NCOA2_9031	+	GTGACCTATGCACCAGACGTCATAAGTGTGAATTAAATGGCAGTGCTATTTCAAGGACAGAGATCGGAAGAGCGGTTCAG
chr8	71126321	71126360	NCOA2_9032	+	GTGACCTATGCACCAGACGTGAAACACATTTTTATGATGTATTTGAAAAAGAGCTATTGTAGATCGGAAGAGCGGTTCAG
chr8	71128991	71129030	NCOA2_9033	+	GTGACCTATGCACCAGACGTTATCAGCAACTAAAACAGAAAACAGAGAAGAGGAAGAAAAAGATCGGAAGAGCGGTTCAG
chr8	71068639	71068678	NCOA2_9034	+	GTGACCTATGCACCAGACGTGGCTCCATCTGATCAGATTTGGTGGTCAGCAGCTGCAGGAAGATCGGAAGAGCGGTTCAG
chr8	71069062	71069101	NCOA2_9035	+	GTGACCTATGCACCAGACGTAAGCTTCCTGCAGGGGAAAACTGACTGGGTGGGATTCGAGAGATCGGAAGAGCGGTTCAG
chr20	5096019	5096058	PCNA_9036	+	GTGACCTATGCACCAGACGTGGAAGATGGTTAATTACTGAGGAGTATGTATCACATATGAAGATCGGAAGAGCGGTTCAG
chr20	5098321	5098360	PCNA_9037	+	GTGACCTATGCACCAGACGTCAAAAATTTTCCAAAAGTTAATTGTTAGAAATTTAATGATAGATCGGAAGAGCGGTTCAG
chr20	5099334	5099373	PCNA_9038	+	GTGACCTATGCACCAGACGTAAAGCAGATGCTTTTGAGAAATACTGACACAGAGTTTTGAAGATCGGAAGAGCGGTTCAG
chr20	5099523	5099562	PCNA_9039	+	GTGACCTATGCACCAGACGTGGAGACACATGCTTTAAAATCAACGCCGTCTGCTGAAGGGAGATCGGAAGAGCGGTTCAG
chr20	5100455	5100494	PCNA_9040	+	GTGACCTATGCACCAGACGTTGGCAACAACGCCGCTACAGGCAGGCGGGAAGGAGGAAAGAGATCGGAAGAGCGGTTCAG
chr15	74287293	74287332	PML_9041	+	GTGACCTATGCACCAGACGTGTTAGGGGATGATGGGGTTAAGCTTTGTTGGTTTGCTGTGAGATCGGAAGAGCGGTTCAG
chr15	74290828	74290867	PML_9042	+	GTGACCTATGCACCAGACGTCGGCACAGGGTGGGGTGGTGCATCCAAGTACCAGGTAGAGAGATCGGAAGAGCGGTTCAG
chr15	74315760	74315799	PML_9043	+	GTGACCTATGCACCAGACGTACGCCACCTTCCTGGGCGGCCTGTGCCTCTGCTGCACCCTAGATCGGAAGAGCGGTTCAG
chr15	74317279	74317318	PML_9044	+	GTGACCTATGCACCAGACGTTTTGAGGTCTGAAGGGGTGGTGGTGGGGCCCAGCAGGTCAAGATCGGAAGAGCGGTTCAG
chr15	74325067	74325106	PML_9045	+	GTGACCTATGCACCAGACGTCCCCAGCCCCAGCCTTCCCTCCTGAAGGCCTGAGTTCCACAGATCGGAAGAGCGGTTCAG
chr15	74325766	74325805	PML_9046	+	GTGACCTATGCACCAGACGTGGGTAGGGCAGTGGCCTGGGTGCTGCCCGCCAGGGTCTGGAGATCGGAAGAGCGGTTCAG
chr15	74325774	74325813	PML_9047	+	GTGACCTATGCACCAGACGTCAGTGGCCTGGGTGCTGCCCGCCAGGGTCTGGGCGGTGCCAGATCGGAAGAGCGGTTCAG
chr15	74326847	74326886	PML_9048	+	GTGACCTATGCACCAGACGTGGAAGACTCAGATGCCGAAAACTCGGTGAGTGGCCCAGAAAGATCGGAAGAGCGGTTCAG

chr15	74326882	74326921	PML_9049	+	GTGACCTATGCACCAGACGTCAGAAGTTCAGCCCAGGACTCCTGCCTCCCCCCATTTCAGAGATCGGAAGAGCGGTTCAG
chr15	74327008	74327047	PML_9050	+	GTGACCTATGCACCAGACGTGTGCTGAGGACAGTCTCCAAATGACAGCTGCATGCCTGGAAGATCGGAAGAGCGGTTCAG
chr15	74328303	74328342	PML_9051	+	GTGACCTATGCACCAGACGTCTTCTCTTGTAACCTTGCAGCCAACACCCCTGCCCGGCCCAGATCGGAAGAGCGGTTCAG
chr15	74335491	74335530	PML_9052	+	GTGACCTATGCACCAGACGTCTGGGGCTACCCCCACCCCTTTCTAATTTAGTCTCTGAGTAGATCGGAAGAGCGGTTCAG
chr15	74335532	74335571	PML_9053	+	GTGACCTATGCACCAGACGTCCAAAAAGAAGTGCAGGCAGAGCCATCTGCCAGGCCCAGGAGATCGGAAGAGCGGTTCAG
chr15	74337360	74337399	PML_9054	+	GTGACCTATGCACCAGACGTTGACCAGCTTGGAGTCTCTGGTGGGCAGAGAGGGATGGGGAGATCGGAAGAGCGGTTCAG
chr15	74315469	74315508	PML_9055	+	GTGACCTATGCACCAGACGTGGACGCGCGGTACCAGCGCGACTACGAGGAGATGGCCAGTAGATCGGAAGAGCGGTTCAG
chr15	74327913	74327952	PML_9056	+	GTGACCTATGCACCAGACGTATCCTGCCAATGCCCAGGAACATCCTGCCCAGCTGCAAAGAGATCGGAAGAGCGGTTCAG
chr15	74336966	74337005	PML_9057	+	GTGACCTATGCACCAGACGTCTCCTCGAGGTCTCCCCGGGCCCCCAGCTGGCCCAGCATGAGATCGGAAGAGCGGTTCAG
chr3	12393184	12393223	PPARG_9058	+	GTGACCTATGCACCAGACGTTTCCAGATACGGCTATTGGGGACGTGGGGGCATTTATGTAAGATCGGAAGAGCGGTTCAG
chr3	12421441	12421480	PPARG_9059	+	GTGACCTATGCACCAGACGTTATTTTCACTTTTCAGACTACTAGGACTAGAATTGGACTCAGATCGGAAGAGCGGTTCAG
chr3	12423001	12423040	PPARG_9060	+	GTGACCTATGCACCAGACGTAAAAAGTCTTCAAAGAAATTGTTGAAACTTTATTATTTCAAGATCGGAAGAGCGGTTCAG
chr3	12434262	12434301	PPARG_9061	+	GTGACCTATGCACCAGACGTAGTCATCACCATATACTTTATTATTCTCATTATAGCTGCCAGATCGGAAGAGCGGTTCAG
chr3	12447591	12447630	PPARG_9062	+	GTGACCTATGCACCAGACGTTTCTGCTGTCTTCATTGGGGGAGGCGGGAAGTTGTTTTGGAGATCGGAAGAGCGGTTCAG
chr3	12458664	12458703	PPARG_9063	+	GTGACCTATGCACCAGACGTTCTTTTGATCTTCTATGAAAGAGGGTGGGATGATGGTGGGAGATCGGAAGAGCGGTTCAG
chr3	12475655	12475694	PPARG_9064	+	GTGACCTATGCACCAGACGTTGAGCCACTGCCAACATTTCCCTTCTTCCAGTTGCACTATAGATCGGAAGAGCGGTTCAG
chr4	23797559	23797598	PPARGC1A_9065	+	GTGACCTATGCACCAGACGTACACAAGCCAGTTTAGATACACACTTTGCTGATGGCCATTAGATCGGAAGAGCGGTTCAG
chr4	23803515	23803554	PPARGC1A_9066	+	GTGACCTATGCACCAGACGTCAAAGAAAAGTTCAAAGCTGGTTAAGAAGTATTAGTATATAGATCGGAAGAGCGGTTCAG
chr4	23803979	23804018	PPARGC1A_9067	+	GTGACCTATGCACCAGACGTAAGGAAGGAGAGAGTTCTGGAGTGGGAAAAAAGCTAGCCCAGATCGGAAGAGCGGTTCAG
chr4	23814501	23814540	PPARGC1A_9068	+	GTGACCTATGCACCAGACGTTAACTTTATCACTAAGTCAACCACCTCAATTTTCATGAGCAGATCGGAAGAGCGGTTCAG
chr4	23814759	23814798	PPARGC1A_9069	+	GTGACCTATGCACCAGACGTGGAGAAAAGCAAAAAGGGCATTTGCAACTGCCACTTAACCAGATCGGAAGAGCGGTTCAG
chr4	23825987	23826026	PPARGC1A_9070	+	GTGACCTATGCACCAGACGTTGGCACATTTATAAAAACAAACTGAAATGGAGTTGCTGTAAGATCGGAAGAGCGGTTCAG
chr4	23826142	23826181	PPARGC1A_9071	+	GTGACCTATGCACCAGACGTAAAAAAGAAACTAATTATGTAATATTGAGTGTCTTTTAGAAGATCGGAAGAGCGGTTCAG
chr4	23830238	23830277	PPARGC1A_9072	+	GTGACCTATGCACCAGACGTAGGCATAAAGAAAGCTAAAATTAGTGAACTGAACCTTATCAGATCGGAAGAGCGGTTCAG
chr4	23831219	23831258	PPARGC1A_9073	+	GTGACCTATGCACCAGACGTTATCAGGGAAAGGGAAAAGCAAGTAAAGTTATGCATCTTTAGATCGGAAGAGCGGTTCAG
chr4	23833385	23833424	PPARGC1A_9074	+	GTGACCTATGCACCAGACGTAGAAAAAAACAGAAGATGTGAGTTGACCCTGGGAGGCAGGAGATCGGAAGAGCGGTTCAG
chr4	23886565	23886604	PPARGC1A_9075	+	GTGACCTATGCACCAGACGTCAGAAAAAAAAAATTTAAAAAAGCTTCCATTAACCACAGGAGATCGGAAGAGCGGTTCAG
chr4	23891591	23891630	PPARGC1A_9076	+	GTGACCTATGCACCAGACGTAATGACGCCAGTCAAGCTTTTTCAACTCCAATCCACAGTGAGATCGGAAGAGCGGTTCAG
chr4	23815781	23815820	PPARGC1A_9077	+	GTGACCTATGCACCAGACGTTTGCTTGCCTCCAAAGTCTCTCTCAGGTAGCACTGGTCTGAGATCGGAAGAGCGGTTCAG
chr17	38487659	38487698	RARA_9078	+	GTGACCTATGCACCAGACGTGTGTGGGGGCTGGGGTGGGAAGGGACTGTGGAGGGTGGCAAGATCGGAAGAGCGGTTCAG
chr17	38499130	38499169	RARA_9079	+	GTGACCTATGCACCAGACGTGCCTCTCAGTCTGCTGTTGTAGGGGGTGGGAGTGGGCGGTAGATCGGAAGAGCGGTTCAG
chr17	38504727	38504766	RARA_9080	+	GTGACCTATGCACCAGACGTGGGGTCATTGGGAAGGACAGCTTGATGAGGTCAATGGGATAGATCGGAAGAGCGGTTCAG
chr17	38506188	38506227	RARA_9081	+	GTGACCTATGCACCAGACGTTAGGGCAGGGGCCGAGTCCCGCCTCAGTTGGGGTCTCAGAAGATCGGAAGAGCGGTTCAG
chr17	38508333	38508372	RARA_9082	+	GTGACCTATGCACCAGACGTCCCCCGGCCTGCAGGGTGGGATTTGCCCAGGGCCACAGGGAGATCGGAAGAGCGGTTCAG
chr17	38508770	38508809	RARA_9083	+	GTGACCTATGCACCAGACGTGCACCCTGGCCCCCAGGCACTGCCCCTGTGTCCTGGGTAGAGATCGGAAGAGCGGTTCAG
chr17	38510769	38510808	RARA_9084	+	GTGACCTATGCACCAGACGTGGCCTGGGTCTGGGGGCTGGGCTGGGACGGGGGTGCAGCCAGATCGGAAGAGCGGTTCAG
chr17	38511684	38511723	RARA_9085	+	GTGACCTATGCACCAGACGTCAGACCTGGAGGGGTACCGGCCCCCGACACCTGGCCCAGGAGATCGGAAGAGCGGTTCAG
chr17	38512489	38512528	RARA_9086	+	GTGACCTATGCACCAGACGTCACATGGACACAGCCCTCGCCCTCCGCCCCGGCTTTTCTCAGATCGGAAGAGCGGTTCAG
chr5	36152383	36152422	SKP2_9087	+	GTGACCTATGCACCAGACGTTGCAAAAAGGGGAAGAGCATGAAATGGACCCTCTTAATAAAGATCGGAAGAGCGGTTCAG
chr5	36153155	36153194	SKP2_9088	+	GTGACCTATGCACCAGACGTGAGGGTAAAAATGTCAGTTATGCAAAGGGTGGATTTAGCTAGATCGGAAGAGCGGTTCAG
chr5	36163869	36163908	SKP2_9089	+	GTGACCTATGCACCAGACGTTTCACCCCTTTGGCAAACGTAGGGGAGGAAGAGGAGAGGAAGATCGGAAGAGCGGTTCAG
chr5	36166775	36166814	SKP2_9090	+	GTGACCTATGCACCAGACGTAAAATCCCTGGAAAAGACTATTTCTAAATTTCGAGGTAGAAGATCGGAAGAGCGGTTCAG
chr5	36168560	36168599	SKP2_9091	+	GTGACCTATGCACCAGACGTGGCAGAGTGTCACAAAGGCAGTTGATTTTATGTGTATGAAAGATCGGAAGAGCGGTTCAG
chr5	36170555	36170594	SKP2_9092	+	GTGACCTATGCACCAGACGTTGTGAGACTTGATTATAGACTCTTATGTCAAACGTAAAATAGATCGGAAGAGCGGTTCAG
chr5	36171846	36171885	SKP2_9093	+	GTGACCTATGCACCAGACGTCCAAGCCTGGACCACTGAGGCCTTCACAACATAATAGATGAGATCGGAAGAGCGGTTCAG
chr5	36177129	36177168	SKP2_9094	+	GTGACCTATGCACCAGACGTATTTGTTTATTTTAGATCAAAAGTTGAAAAATCTTGATTTAGATCGGAAGAGCGGTTCAG
chr5	36177405	36177444	SKP2_9095	+	GTGACCTATGCACCAGACGTTTTGTTTTTAATGCTTAATAGAAGGCAGGAAACAACAGAGAGATCGGAAGAGCGGTTCAG
chr5	36182144	36182183	SKP2_9096	+	GTGACCTATGCACCAGACGTGCAGGATGGTGTCTCTTCTTTAGAACAGGGAAAATAGGCAAGATCGGAAGAGCGGTTCAG
chr5	36184124	36184163	SKP2_9097	+	GTGACCTATGCACCAGACGTTATAAAAATGAGTGCTTAAACTAAGTTGTATTCCTTTTTTAGATCGGAAGAGCGGTTCAG
chr16	11349346	11349385	SOCS1_9098	+	GTGACCTATGCACCAGACGTGGGCCAGCCGGAGGGGTGGGCCATAGCGTCCGGGGGTGCGAGATCGGAAGAGCGGTTCAG
chr16	11349028	11349067	SOCS1_9099	+	GTGACCTATGCACCAGACGTACCAGGAAGGTGCCCACGGGCTCGGCGCGCAGCCGCTCGTAGATCGGAAGAGCGGTTCAG
chr2	39213467	39213506	SOS1_9100	+	GTGACCTATGCACCAGACGTAAAAGAATAAAATACACATTTATTAATAAATTTATGAAGTAGATCGGAAGAGCGGTTCAG
chr2	39214743	39214782	SOS1_9101	+	GTGACCTATGCACCAGACGTTTAAATTTTTAAGAAAAAGTCCACAGGAATTTTATTTCATAGATCGGAAGAGCGGTTCAG
chr2	39216466	39216505	SOS1_9102	+	GTGACCTATGCACCAGACGTAAACAAGAAAAAGTAGATTTTTTTCTTTCATTGATATATTAGATCGGAAGAGCGGTTCAG
chr2	39222539	39222578	SOS1_9103	+	GTGACCTATGCACCAGACGTATCAAAAGAAACACAATACTTTAAACACTGTAGTAGAAAGAGATCGGAAGAGCGGTTCAG
chr2	39224577	39224616	SOS1_9104	+	GTGACCTATGCACCAGACGTTAATGGAATGATTTCAAGGATAAAGAAGGAAAATGCAAGTAGATCGGAAGAGCGGTTCAG
chr2	39233681	39233720	SOS1_9105	+	GTGACCTATGCACCAGACGTAAAAAATAGGCGTAAGTTTACAAAAGGAATCAAAGGTCTTAGATCGGAAGAGCGGTTCAG
chr2	39234345	39234384	SOS1_9106	+	GTGACCTATGCACCAGACGTAAAAAAAGTGAACTAAAGGTTTTAGAGTTTTTCCAATAAAAGATCGGAAGAGCGGTTCAG

chr2	39237855	39237894	SOS1_9107	+	GTGACCTATGCACCAGACGTCAATACATAATTCTACATGACACTTTTTTCTCTAATATAGAGATCGGAAGAGCGGTTCAG
chr2	39240715	39240754	SOS1_9108	+	GTGACCTATGCACCAGACGTAACACAGAATTGAATTACATGGGAATCAAACATAAATGTTAGATCGGAAGAGCGGTTCAG
chr2	39241141	39241180	SOS1_9109	+	GTGACCTATGCACCAGACGTATAGAACAAATTAATGAAAAGACTAATTATATCGAGTTATAGATCGGAAGAGCGGTTCAG
chr2	39241998	39242037	SOS1_9110	+	GTGACCTATGCACCAGACGTAAAGGAAAAATATCTTATTAAACTCTATGATTCAAAATGAAGATCGGAAGAGCGGTTCAG
chr2	39250377	39250416	SOS1_9111	+	GTGACCTATGCACCAGACGTGAAAAAGACATTATTAGTACATAGATGACAGAAAACCTAGAGATCGGAAGAGCGGTTCAG
chr2	39251289	39251328	SOS1_9112	+	GTGACCTATGCACCAGACGTAAAATGACAAATCTGAACCAGTAGTACATTTTTGGATAAAAGATCGGAAGAGCGGTTCAG
chr2	39262462	39262501	SOS1_9113	+	GTGACCTATGCACCAGACGTAAGTGATTTAATTTTTTTTTTAAGTTTACTTTTCAGACATAGATCGGAAGAGCGGTTCAG
chr2	39262652	39262691	SOS1_9114	+	GTGACCTATGCACCAGACGTAAAGAAGGTAAAACATAAATAATTTACCATTACAAACACAAGATCGGAAGAGCGGTTCAG
chr2	39278439	39278478	SOS1_9115	+	GTGACCTATGCACCAGACGTGAAAACACATTAATTCAGTGAGGCTGTATTATTATAATATAGATCGGAAGAGCGGTTCAG
chr2	39281975	39282014	SOS1_9116	+	GTGACCTATGCACCAGACGTAGAGATATAAAAAAGTATAATAAAATATGAAGCTTTCGTAAGATCGGAAGAGCGGTTCAG
chr2	39284018	39284057	SOS1_9117	+	GTGACCTATGCACCAGACGTAAAAGAAAAGCATGTTTAAACATCATATACTGTACATTTAAGATCGGAAGAGCGGTTCAG
chr2	39285956	39285995	SOS1_9118	+	GTGACCTATGCACCAGACGTAGGAAAATAACAACTAAGCAAAAAATATATTAAATAGTGCAGATCGGAAGAGCGGTTCAG
chr2	39294905	39294944	SOS1_9119	+	GTGACCTATGCACCAGACGTAAAGCAAAGTAATTAAAATGTGGGTTCCATATCATTAAACAGATCGGAAGAGCGGTTCAG
chr2	39347574	39347613	SOS1_9120	+	GTGACCTATGCACCAGACGTGGGCGCCTCTGGGCGGGGAGAGGGGCGGCGGCGGCCGGGCAGATCGGAAGAGCGGTTCAG
chr2	39250049	39250088	SOS1_9121	+	GTGACCTATGCACCAGACGTGTGTCATCTTTATCATTAATTTGTACCTTTCGCATAAAAAAGATCGGAAGAGCGGTTCAG
chr20	36012817	36012856	SRC_9122	+	GTGACCTATGCACCAGACGTGGGCGGCGCGGGGTCCTCGCCCACCTGGGGCCACGGCGGGAGATCGGAAGAGCGGTTCAG
chr20	36014588	36014627	SRC_9123	+	GTGACCTATGCACCAGACGTCCTTCCCTATTGCCCCTCAGGGCTGGGTGGTGGGACTTCAAGATCGGAAGAGCGGTTCAG
chr20	36022407	36022446	SRC_9124	+	GTGACCTATGCACCAGACGTTCTCTGGCTGCCTCTACCCGTCGTCCCTGGACACTGCCGGAGATCGGAAGAGCGGTTCAG
chr20	36024725	36024764	SRC_9125	+	GTGACCTATGCACCAGACGTCTCGGAGGGCGGAGGGCGGGCGGGCAAAGCCTCAGCTGCAAGATCGGAAGAGCGGTTCAG
chr20	36026268	36026307	SRC_9126	+	GTGACCTATGCACCAGACGTGCCCCTGCCCTCGGGAGAGGCATCCACCCCCCACCCCGTGAGATCGGAAGAGCGGTTCAG
chr20	36028708	36028747	SRC_9127	+	GTGACCTATGCACCAGACGTGGCGGCCGGGGCAGGGGGCAGGGGCACTCCGGACAGGGCAAGATCGGAAGAGCGGTTCAG
chr20	36030092	36030131	SRC_9128	+	GTGACCTATGCACCAGACGTCCCTCCCGCCTCCCCACACCCTTGGTCCTCAAGCACCCAGAGATCGGAAGAGCGGTTCAG
chr20	36031793	36031832	SRC_9129	+	GTGACCTATGCACCAGACGTGCCCAGACCGGCTTCTCGGCTTGGATCCTGGGCTGGGTGGAGATCGGAAGAGCGGTTCAG
chr9	27158151	27158190	TEK_9130	+	GTGACCTATGCACCAGACGTCCTAAGTTTTGGGCAGGTGAGGCCCACTGAGGAACACACAAGATCGGAAGAGCGGTTCAG
chr9	27168614	27168653	TEK_9131	+	GTGACCTATGCACCAGACGTGTTTCATTGCTTTCCCCAGTATGATGTGAGATATCAGATAAGATCGGAAGAGCGGTTCAG
chr9	27172756	27172795	TEK_9132	+	GTGACCTATGCACCAGACGTAGACTTGATAAGTAAGCTGTGGATTTAAAAAGCCATCGTTAGATCGGAAGAGCGGTTCAG
chr9	27173371	27173410	TEK_9133	+	GTGACCTATGCACCAGACGTATCACACCCTTGGACAGAGGATGTTCTAGCAGGTATATAAAGATCGGAAGAGCGGTTCAG
chr9	27180377	27180416	TEK_9134	+	GTGACCTATGCACCAGACGTGTAACACTGTAGTCAGGGCCATGTTCAGCATGTCTGAACTAGATCGGAAGAGCGGTTCAG
chr9	27183619	27183658	TEK_9135	+	GTGACCTATGCACCAGACGTTTCTTAATTTGCCCTTCTTAAAGCATGAGATGCTTCAGTGAGATCGGAAGAGCGGTTCAG
chr9	27185638	27185677	TEK_9136	+	GTGACCTATGCACCAGACGTTTCCCAGAAAAAGGGATTGTGTCCTTGATGCATTATGTTTAGATCGGAAGAGCGGTTCAG
chr9	27190699	27190738	TEK_9137	+	GTGACCTATGCACCAGACGTGACAGGATAGATGCCAGCTGGGGATGTGGCACCAGGAGAAAGATCGGAAGAGCGGTTCAG
chr9	27192632	27192671	TEK_9138	+	GTGACCTATGCACCAGACGTGCCAACAGGCATTTATTCATGAGCTGGGTGGGAGGGGGAGAGATCGGAAGAGCGGTTCAG
chr9	27197608	27197647	TEK_9139	+	GTGACCTATGCACCAGACGTCATGCTGCTCCAGCCTCATCTGAGCAATAAGGGGCTACCGAGATCGGAAGAGCGGTTCAG
chr9	27203128	27203167	TEK_9140	+	GTGACCTATGCACCAGACGTTGGACAAGTATTTACATAGGATTACCGTGCAGCCCTATAGAGATCGGAAGAGCGGTTCAG
chr9	27205074	27205113	TEK_9141	+	GTGACCTATGCACCAGACGTATCTTCCTACTAGCTAATAAGGGCAAGTCCAAGTACAGGCAGATCGGAAGAGCGGTTCAG
chr9	27206801	27206840	TEK_9142	+	GTGACCTATGCACCAGACGTGACCAGATAGAGTCAGCATTGCGTGAGGGTGTGGAGAAAAAGATCGGAAGAGCGGTTCAG
chr9	27209240	27209279	TEK_9143	+	GTGACCTATGCACCAGACGTCTTTTCCTGTCTTTCCTGCCAGAGTTTTTATAAAACAGACAGATCGGAAGAGCGGTTCAG
chr9	27212906	27212945	TEK_9144	+	GTGACCTATGCACCAGACGTAGGACTTCGCTTTGGATATCTTTCCTGTGGAGTTCCCTCTAGATCGGAAGAGCGGTTCAG
chr9	27213606	27213645	TEK_9145	+	GTGACCTATGCACCAGACGTGACACAGACACTGATCGCATCCTTTCCGAGGTACTCCCCTAGATCGGAAGAGCGGTTCAG
chr9	27217767	27217806	TEK_9146	+	GTGACCTATGCACCAGACGTTTCTTATTGCCAAGGGATTTTTTTTCCCTCCCAGAAACATAGATCGGAAGAGCGGTTCAG
chr9	27218826	27218865	TEK_9147	+	GTGACCTATGCACCAGACGTATGTTTATCTACCAGGTGAGACTCTAGGCAAAGTGAGTGGAGATCGGAAGAGCGGTTCAG
chr9	27220154	27220193	TEK_9148	+	GTGACCTATGCACCAGACGTCCTCATCCTGGGGCTATTTTGTCTTACCTTCCCCCTGTGTAGATCGGAAGAGCGGTTCAG
chr9	27228314	27228353	TEK_9149	+	GTGACCTATGCACCAGACGTAAGTCAGGCAGGAGATCTTTAATTGGAATACCTGATGTGCAGATCGGAAGAGCGGTTCAG
chr9	27229241	27229280	TEK_9150	+	GTGACCTATGCACCAGACGTCTGTATACCCTCTGTTTCCCTTTCACTGGCATGGGAGACCAGATCGGAAGAGCGGTTCAG
chr17	38545910	38545949	TOP2A_9151	+	GTGACCTATGCACCAGACGTAAAGCCCAGGTAACTTGCACATTGTAAATCTGACAACATAAGATCGGAAGAGCGGTTCAG
chr17	38547903	38547942	TOP2A_9152	+	GTGACCTATGCACCAGACGTAAATGGAAAGGAAAATAGTACATTTAAGCAACACATGAAAAGATCGGAAGAGCGGTTCAG
chr17	38548374	38548413	TOP2A_9153	+	GTGACCTATGCACCAGACGTAAAAAAAAATCCTGACAACCAATTCTAAATGTGTCAAGCAAGATCGGAAGAGCGGTTCAG
chr17	38548604	38548643	TOP2A_9154	+	GTGACCTATGCACCAGACGTAACCATATACAAAAAAATCAAAGAGGGTAGTAGGAGAAACAGATCGGAAGAGCGGTTCAG
chr17	38549000	38549039	TOP2A_9155	+	GTGACCTATGCACCAGACGTGATAGAAATTAATCACCTTTATATATTAGACCCACTTTTCAGATCGGAAGAGCGGTTCAG
chr17	38551802	38551841	TOP2A_9156	+	GTGACCTATGCACCAGACGTGCAAAGTTAGGGTTGGATATAGAATAAATTCTGAACTATGAGATCGGAAGAGCGGTTCAG
chr17	38552728	38552767	TOP2A_9157	+	GTGACCTATGCACCAGACGTGATATAAGAAAGCAAGTTTAAATGTTAACAAAAACATTACAGATCGGAAGAGCGGTTCAG
chr17	38554904	38554943	TOP2A_9158	+	GTGACCTATGCACCAGACGTTAATTACAAAATTGAGTTAATATATGTATACAAGCAGCATAGATCGGAAGAGCGGTTCAG
chr17	38555200	38555239	TOP2A_9159	+	GTGACCTATGCACCAGACGTAATTAAAATCTAGCTTTATTAGAAAATGTGAAACATAAACAGATCGGAAGAGCGGTTCAG
chr17	38555394	38555433	TOP2A_9160	+	GTGACCTATGCACCAGACGTAAAAGTAAACAGAGATAATGATTTTGAGTAATATTTTAGGAGATCGGAAGAGCGGTTCAG
chr17	38556330	38556369	TOP2A_9161	+	GTGACCTATGCACCAGACGTAAAACAAGATTAGAGCCAAGAATAGACAAATTGGCTAAACAGATCGGAAGAGCGGTTCAG
chr17	38556672	38556711	TOP2A_9162	+	GTGACCTATGCACCAGACGTAAATAATCCTGAAGTTTCTAAAATATAGGCTTCTGAATAGAGATCGGAAGAGCGGTTCAG
chr17	38556926	38556965	TOP2A_9163	+	GTGACCTATGCACCAGACGTATTTAAAAAAACAGTATGTTTTCTAAATGTGATACTAGACAGATCGGAAGAGCGGTTCAG
chr17	38557344	38557383	TOP2A_9164	+	GTGACCTATGCACCAGACGTGAAACAAAGAATGTTATTTTACAAAAATACTGAATTTCACAGATCGGAAGAGCGGTTCAG

chr17	38559317	38559356	TOP2A_9165	+	GTGACCTATGCACCAGACGTAAAAAGATTCATTAAGCTGAGGCTTTTACTAATACAAATAAGATCGGAAGAGCGGTTCAG
chr17	38560536	38560575	TOP2A_9166	+	GTGACCTATGCACCAGACGTAAATAAGAGCAAACGTAAGTATCCTCAATTTAACCAATTTAGATCGGAAGAGCGGTTCAG
chr17	38560754	38560793	TOP2A_9167	+	GTGACCTATGCACCAGACGTAAATAGTATTACATGAGTCTACCGGTCTAAACAATGCTCAAGATCGGAAGAGCGGTTCAG
chr17	38561146	38561185	TOP2A_9168	+	GTGACCTATGCACCAGACGTAAGGATGAAAAGATGTCACTGGTACTAATAGGCTAATAGGAGATCGGAAGAGCGGTTCAG
chr17	38562756	38562795	TOP2A_9169	+	GTGACCTATGCACCAGACGTAAAAATACCAAGTTCCTTCATATAGTCTTGTACAGGGTGTAGATCGGAAGAGCGGTTCAG
chr17	38562952	38562991	TOP2A_9170	+	GTGACCTATGCACCAGACGTAAACAATGACTGTGGCTTTGTACACTGTGGGGTCCCCTGTAGATCGGAAGAGCGGTTCAG
chr17	38563937	38563976	TOP2A_9171	+	GTGACCTATGCACCAGACGTCATATACCAAAAAAAGCATCGTTTATAAATTTGAAAAGAAAGATCGGAAGAGCGGTTCAG
chr17	38564893	38564932	TOP2A_9172	+	GTGACCTATGCACCAGACGTGAAGATTCATATTAGGGATCATATTAGGGAAGAAGGGATCAGATCGGAAGAGCGGTTCAG
chr17	38567509	38567548	TOP2A_9173	+	GTGACCTATGCACCAGACGTAGTTGATATTAAGCCACTAAAAATGTACTCATGCTTTATTAGATCGGAAGAGCGGTTCAG
chr17	38567718	38567757	TOP2A_9174	+	GTGACCTATGCACCAGACGTAAAATACCAAACTGTAAAACTCAGTATCCTCAAAATTATAAGATCGGAAGAGCGGTTCAG
chr17	38568081	38568120	TOP2A_9175	+	GTGACCTATGCACCAGACGTATTAAAGGTAACAGTATTAAGAAAGTTATTAAAAAATAGGAGATCGGAAGAGCGGTTCAG
chr17	38569234	38569273	TOP2A_9176	+	GTGACCTATGCACCAGACGTAAAGAATAGGAAACATGAAAAATTCAAGTCATCTCACAAAAGATCGGAAGAGCGGTTCAG
chr17	38569555	38569594	TOP2A_9177	+	GTGACCTATGCACCAGACGTAAATATGAAACACTATTTTATTGTTACTATCTCATTGACAAGATCGGAAGAGCGGTTCAG
chr17	38569888	38569927	TOP2A_9178	+	GTGACCTATGCACCAGACGTAAGATTGAAAATTGTATTTTACAACACATTAAACGAATGCAGATCGGAAGAGCGGTTCAG
chr17	38572331	38572370	TOP2A_9179	+	GTGACCTATGCACCAGACGTATAAAATATACATTTGTAAGAAATTAGTGTTTTAAGAAACAGATCGGAAGAGCGGTTCAG
chr17	38572775	38572814	TOP2A_9180	+	GTGACCTATGCACCAGACGTGGCAAAGAAATACTGTTATTTTTATTCTATATTCATTGTTAGATCGGAAGAGCGGTTCAG
chr17	38573158	38573197	TOP2A_9181	+	GTGACCTATGCACCAGACGTAAAAAAAAGAGAGAAAGAAGGGAATTTTTAATCATAAGTTAGATCGGAAGAGCGGTTCAG
chr17	38574054	38574093	TOP2A_9182	+	GTGACCTATGCACCAGACGTGTGAAGGGGCTCAAGAACCCTGAAAGCGACTAAACAGGCAAGATCGGAAGAGCGGTTCAG
chr1	154130208	154130247	TPM3_9183	+	GTGACCTATGCACCAGACGTTAAAGGAGAGAAGTTACAAGAACTAGAAGTAAATTTCAAGAGATCGGAAGAGCGGTTCAG
chr1	154140427	154140466	TPM3_9184	+	GTGACCTATGCACCAGACGTAAGTAAGGATACTCTAGGTGAGAAGGACTAGCATCAATCTAGATCGGAAGAGCGGTTCAG
chr1	154141870	154141909	TPM3_9185	+	GTGACCTATGCACCAGACGTACAGGAACCACAGGGAGGAATGAGGGGACAGAGTGAAGAGAGATCGGAAGAGCGGTTCAG
chr1	154142956	154142995	TPM3_9186	+	GTGACCTATGCACCAGACGTTATGAAATTAGTCAGAACCAGAGATGAAGACAAAGAAGAAAGATCGGAAGAGCGGTTCAG
chr1	154143198	154143237	TPM3_9187	+	GTGACCTATGCACCAGACGTAGTAGATTAAAAATTTCAGAGTAGAAATTAGTCACACAGGAGATCGGAAGAGCGGTTCAG
chr1	154143975	154144014	TPM3_9188	+	GTGACCTATGCACCAGACGTTTTAAATACCACAGGAGAGGAAAAGGGAAAAGGAAGAGAAAGATCGGAAGAGCGGTTCAG
chr1	154144591	154144630	TPM3_9189	+	GTGACCTATGCACCAGACGTTAGTCACGGGGATGGCACAAGCCAGGTTGTGGGGAGGGAGAGATCGGAAGAGCGGTTCAG
chr1	154145465	154145504	TPM3_9190	+	GTGACCTATGCACCAGACGTAGATCCCAGTATAGCTTAGTGAAGCAAAGGAGCCATTTACAGATCGGAAGAGCGGTTCAG
chr1	154145688	154145727	TPM3_9191	+	GTGACCTATGCACCAGACGTTAGGACAAAAGCAATACTGACACCCTGAGGAGTGTGTCGTAGATCGGAAGAGCGGTTCAG
chr1	154148735	154148774	TPM3_9192	+	GTGACCTATGCACCAGACGTAGGAAAGAATGGACAAGGGAAGCAGAGGCATGGAGAAAAGAGATCGGAAGAGCGGTTCAG
chr1	154155606	154155645	TPM3_9193	+	GTGACCTATGCACCAGACGTCAGCTACTGCTCGCGCTCCGGTTCCTGCCTCCTCCGCTCGAGATCGGAAGAGCGGTTCAG
chr1	154163798	154163837	TPM3_9194	+	GTGACCTATGCACCAGACGTCCAGAGAGTCACACACAAAAACACACAAACACAACAATGCAGATCGGAAGAGCGGTTCAG
chr1	154164505	154164544	TPM3_9195	+	GTGACCTATGCACCAGACGTTGTTGGTAGGCTCACCTGTGAACACTGGAGAACTGGAGACAGATCGGAAGAGCGGTTCAG
chr9	107546747	107546786	ABCA1_9196	+	GTGACCTATGCACCAGACGTATTAAGATGGACCTTTATAAATACCACTCAACTTGCTCATAGATCGGAAGAGCGGTTCAG
chr9	107547931	107547970	ABCA1_9197	+	GTGACCTATGCACCAGACGTGAAAAAATACCCAAATGGAGGATCTCCAGAAAACTATTTAAGATCGGAAGAGCGGTTCAG
chr9	107548682	107548721	ABCA1_9198	+	GTGACCTATGCACCAGACGTACAGAAAGAGGTTTTAGTTTTAGAGAGATTCTCTGTAACCAGATCGGAAGAGCGGTTCAG
chr9	107549268	107549307	ABCA1_9199	+	GTGACCTATGCACCAGACGTAATAAAATAAGTCTTATTTGCTGGGGGGAAAAAAAATCAAAGATCGGAAGAGCGGTTCAG
chr9	107550346	107550385	ABCA1_9200	+	GTGACCTATGCACCAGACGTAAAAAGCACCTTGACTTTGGTCTGGCTTGGGAATTTTATCAGATCGGAAGAGCGGTTCAG
chr9	107550859	107550898	ABCA1_9201	+	GTGACCTATGCACCAGACGTCAAGAAAACTACTTAGATTTTAAGCAGGTAGAGATACTCTAGATCGGAAGAGCGGTTCAG
chr9	107553320	107553359	ABCA1_9202	+	GTGACCTATGCACCAGACGTAAGATTAAGTTGTATAAGCAAACTCTAAAAACATGAATATAGATCGGAAGAGCGGTTCAG
chr9	107554290	107554329	ABCA1_9203	+	GTGACCTATGCACCAGACGTCAAAATGTAAACATTCATAAGCCTCAGTGACTCACAGCTCAGATCGGAAGAGCGGTTCAG
chr9	107555198	107555237	ABCA1_9204	+	GTGACCTATGCACCAGACGTAAAACAAGAAAAATGAACCTTTCAAACTATTTTTCAGGACAGATCGGAAGAGCGGTTCAG
chr9	107555592	107555631	ABCA1_9205	+	GTGACCTATGCACCAGACGTCAATGCAGAGATCCGGTCAGAATGGAGGGATCAAAAACCAAGATCGGAAGAGCGGTTCAG
chr9	107556802	107556841	ABCA1_9206	+	GTGACCTATGCACCAGACGTAAAAAAAAAATGGGAGGGAAGGGAGGGTGAGGGAGAAGAAAGATCGGAAGAGCGGTTCAG
chr9	107558489	107558528	ABCA1_9207	+	GTGACCTATGCACCAGACGTACAAAAAGATAAGTGTCTACTGAGAGTCCCTGCCCTCCTTAGATCGGAAGAGCGGTTCAG
chr9	107558716	107558755	ABCA1_9208	+	GTGACCTATGCACCAGACGTAAACAAAGACATCCAGTTCACCCCTAAATCAAATATACAAAGATCGGAAGAGCGGTTCAG
chr9	107560890	107560929	ABCA1_9209	+	GTGACCTATGCACCAGACGTAAAGCGTGTGAAAATCTGAGGGGTCTTTGATGCAGTTAGGAGATCGGAAGAGCGGTTCAG
chr9	107562280	107562319	ABCA1_9210	+	GTGACCTATGCACCAGACGTACATACCAGGTACAAGGTAATGCCCCCAAACCGGGCTCCTAGATCGGAAGAGCGGTTCAG
chr9	107562876	107562915	ABCA1_9211	+	GTGACCTATGCACCAGACGTCAGAAACCTGCCTCAGTTGTGACTGTTCACATAGATAAGGAGATCGGAAGAGCGGTTCAG
chr9	107564451	107564490	ABCA1_9212	+	GTGACCTATGCACCAGACGTAGCCTGACATTAAAACCCAGACAGTGGGGTGCACAGTATCAGATCGGAAGAGCGGTTCAG
chr9	107565608	107565647	ABCA1_9213	+	GTGACCTATGCACCAGACGTAAAGAAACAAAAAATCAGTTCAAAGAAAGCACTGAGCCTAAGATCGGAAGAGCGGTTCAG
chr9	107567012	107567051	ABCA1_9214	+	GTGACCTATGCACCAGACGTATGAAAACCAAGCATACGGGTCTTTATAGACAAGAATTGAAGATCGGAAGAGCGGTTCAG
chr9	107568722	107568761	ABCA1_9215	+	GTGACCTATGCACCAGACGTAAGACAGCAAGAGTAGGATTACCAGAGATGGCCTGGCCTTAGATCGGAAGAGCGGTTCAG
chr9	107571856	107571895	ABCA1_9216	+	GTGACCTATGCACCAGACGTATGAGAGGCAGCCAGCTTAGTAATTCATTAAAACCAGTAAAGATCGGAAGAGCGGTTCAG
chr9	107573216	107573255	ABCA1_9217	+	GTGACCTATGCACCAGACGTGCAGTGGAGGGGGCAGGGGGACAGCAGGAAACGGCAAGTGAGATCGGAAGAGCGGTTCAG
chr9	107575014	107575053	ABCA1_9218	+	GTGACCTATGCACCAGACGTCCAACACTGAAGGTCACCTATTATCTTAGGTGTTTTCGGCAGATCGGAAGAGCGGTTCAG
chr9	107576523	107576562	ABCA1_9219	+	GTGACCTATGCACCAGACGTAAGGAAAGAATCCCATACTTTATTTTATTTACAACAAAACAGATCGGAAGAGCGGTTCAG
chr9	107576767	107576806	ABCA1_9220	+	GTGACCTATGCACCAGACGTAGAGAGATGAGAACATTATAAGCACCAACATTACGAGAGTAGATCGGAAGAGCGGTTCAG
chr9	107578637	107578676	ABCA1_9221	+	GTGACCTATGCACCAGACGTCAGAATGCAAAGATGGCTCAATCAACTCAGAGGGGCTTCGAGATCGGAAGAGCGGTTCAG
chr9	107579696	107579735	ABCA1_9222	+	GTGACCTATGCACCAGACGTAGAAGGAGGTGAGAACGGGTCAGGGACGGAGCAAGGCAGAAGATCGGAAGAGCGGTTCAG

chr9	107581175	107581214	ABCA1_9223	+	GTGACCTATGCACCAGACGTCAAACACAAGGATGTGGGACAGGTGAGGCCTCTCAGTTCTAGATCGGAAGAGCGGTTCAG
chr9	107582015	107582054	ABCA1_9224	+	GTGACCTATGCACCAGACGTACAGAGCAAGACAAACTCCAGGACCAGCCCCAGACAGTGAAGATCGGAAGAGCGGTTCAG
chr9	107582361	107582400	ABCA1_9225	+	GTGACCTATGCACCAGACGTGGAGGCAGGTCAGCTCTGGGCCCTACTGGATACCCCAGAAAGATCGGAAGAGCGGTTCAG
chr9	107583798	107583837	ABCA1_9226	+	GTGACCTATGCACCAGACGTAAATTTAGAAGTACAGAAGTCAGGGTTGACCTACCCTTAAAGATCGGAAGAGCGGTTCAG
chr9	107584959	107584998	ABCA1_9227	+	GTGACCTATGCACCAGACGTAGAGAAGACAGAAATGAACCCACAGAAAGCACTGAGGAGTAGATCGGAAGAGCGGTTCAG
chr9	107586870	107586909	ABCA1_9228	+	GTGACCTATGCACCAGACGTAGCACAGGTATGAGCCAAGCTCAGCATCATCCCAGTATTCAGATCGGAAGAGCGGTTCAG
chr9	107588179	107588218	ABCA1_9229	+	GTGACCTATGCACCAGACGTCAGGCAAAGTCACCTATCCATTTCCTGGTCAGTCTCATTTAGATCGGAAGAGCGGTTCAG
chr9	107589461	107589500	ABCA1_9230	+	GTGACCTATGCACCAGACGTAGAGACACATCAAATGTGCTGCCTCAACAATCCCAAGCACAGATCGGAAGAGCGGTTCAG
chr9	107591430	107591469	ABCA1_9231	+	GTGACCTATGCACCAGACGTCAAGGAAGGACAAGGGGAGAAAGAAAGACACACGTGAGCCAGATCGGAAGAGCGGTTCAG
chr9	107594119	107594158	ABCA1_9232	+	GTGACCTATGCACCAGACGTAACAGCCTTCATGAGAACGTTGGCAGCCAGGACAACAAGCAGATCGGAAGAGCGGTTCAG
chr9	107595063	107595102	ABCA1_9233	+	GTGACCTATGCACCAGACGTAGTGAGAAAGTACAAGTAGTAAACACCAACTAAATCTTGAAGATCGGAAGAGCGGTTCAG
chr9	107599388	107599427	ABCA1_9234	+	GTGACCTATGCACCAGACGTGTGGGGAGCCAGGGACCGCAGAAAAAGGAGGAGAAGCACAAGATCGGAAGAGCGGTTCAG
chr9	107599859	107599898	ABCA1_9235	+	GTGACCTATGCACCAGACGTGAGGAGAGACAAATGCTCATATGCATGGTCATATACTGATAGATCGGAAGAGCGGTTCAG
chr9	107607861	107607900	ABCA1_9236	+	GTGACCTATGCACCAGACGTAAAGAAAACTTTGTTTCTGAATTCAAATGTAAACCTGAAAAGATCGGAAGAGCGGTTCAG
chr9	107620990	107621029	ABCA1_9237	+	GTGACCTATGCACCAGACGTTTCATGCAAAGAGAGACAAGCACAAGAGGATTATGAAGATAGATCGGAAGAGCGGTTCAG
chr9	107624092	107624131	ABCA1_9238	+	GTGACCTATGCACCAGACGTATAGTGTTTTATTTTTATTTAGTAAGTAACTCAAAAAAAAAGATCGGAAGAGCGGTTCAG
chr9	107645449	107645488	ABCA1_9239	+	GTGACCTATGCACCAGACGTTGCAAGAAAAGGCGAAAGGCTTTAGCTAGGCCAACTGCCTAGATCGGAAGAGCGGTTCAG
chr9	107646860	107646899	ABCA1_9240	+	GTGACCTATGCACCAGACGTCGAGGAGTAGAAAAACACAGGGAGAAACATTAATTCCCTGAGATCGGAAGAGCGGTTCAG
chr9	107651487	107651526	ABCA1_9241	+	GTGACCTATGCACCAGACGTAATAAGATAGAACACTGTAAATTTAAAAATAATATGGATAAGATCGGAAGAGCGGTTCAG
chr9	107665971	107666010	ABCA1_9242	+	GTGACCTATGCACCAGACGTCCAGCACCCCCAGCGTGTGGCTCGGGAGCCCTGGAAGGCAAGATCGGAAGAGCGGTTCAG
chr19	1453152	1453191	APC2_9243	+	GTGACCTATGCACCAGACGTACATGGAGGAGGTGGGCTAGGGTCCCGGGGTGGTGCCCCCAGATCGGAAGAGCGGTTCAG
chr19	1453347	1453386	APC2_9244	+	GTGACCTATGCACCAGACGTGGGCCACCCGCAGAGGGAGTGGGGGAGGCTGGGGGGAAAGAGATCGGAAGAGCGGTTCAG
chr19	1453621	1453660	APC2_9245	+	GTGACCTATGCACCAGACGTGTGGGAACCCAGCCTCGGGCAGCTGGAGCATGACTCGGTCAGATCGGAAGAGCGGTTCAG
chr19	1455267	1455306	APC2_9246	+	GTGACCTATGCACCAGACGTCGGGGAGCCAGGGGGCAGCGCGCCCGCCCCACTCAGGGTGAGATCGGAAGAGCGGTTCAG
chr19	1455510	1455549	APC2_9247	+	GTGACCTATGCACCAGACGTGGGCGGGGTGGCGCGGCGGTAGGCGGGGCCCTGCGCCAGTAGATCGGAAGAGCGGTTCAG
chr19	1456163	1456202	APC2_9248	+	GTGACCTATGCACCAGACGTGGGCAGAGCCAGGGACCAGGGGTGGTGTCGGCCCAGGCAGAGATCGGAAGAGCGGTTCAG
chr19	1456414	1456453	APC2_9249	+	GTGACCTATGCACCAGACGTGGGTGAAACGGGGGCTGGCGCAGCTGTCTGGGCTGGAAGGAGATCGGAAGAGCGGTTCAG
chr19	1457253	1457292	APC2_9250	+	GTGACCTATGCACCAGACGTGGCCTGGTGGGCCCCCTCCGCGCAATTAACGTGCAGCTAGAGATCGGAAGAGCGGTTCAG
chr19	1458070	1458109	APC2_9251	+	GTGACCTATGCACCAGACGTCAGGTCCTCTGGGAAGCCATCCTCCAGCCCCCGAACAGGTAGATCGGAAGAGCGGTTCAG
chr19	1460330	1460369	APC2_9252	+	GTGACCTATGCACCAGACGTGCAGTGGGTGGGCTGGCACTTTCCTCATCCAGTCTTCCAGAGATCGGAAGAGCGGTTCAG
chr19	1460867	1460906	APC2_9253	+	GTGACCTATGCACCAGACGTGGGTGCTGGGAAAGCCTTCCAGGGTGTCCCTGATAGGCAGAGATCGGAAGAGCGGTTCAG
chr19	1461163	1461202	APC2_9254	+	GTGACCTATGCACCAGACGTGGTGGGCGGCAGGGATGCTTCTTCAGTCACTGGAAGGAGAAGATCGGAAGAGCGGTTCAG
chr19	1462187	1462226	APC2_9255	+	GTGACCTATGCACCAGACGTACCCCCCCACCCGCACACAGGCAGCTGCGCTCGGGGCGGGAGATCGGAAGAGCGGTTCAG
chr19	1470223	1470262	APC2_9256	+	GTGACCTATGCACCAGACGTCGGCCTTCTGGAACGTTCTCTCCCGGCCCTGCGGCGCGGTAGATCGGAAGAGCGGTTCAG
chr19	1465624	1465663	APC2_9257	+	GTGACCTATGCACCAGACGTCGGGCTGCTTTGACGACGACGATGCACCGTCATCCCTGGCAGATCGGAAGAGCGGTTCAG
chr19	1466084	1466123	APC2_9258	+	GTGACCTATGCACCAGACGTCAGCGGCAGTGCCAGCGACGGGTACTGCCCACGCGAACATAGATCGGAAGAGCGGTTCAG
chr19	1466544	1466583	APC2_9259	+	GTGACCTATGCACCAGACGTCCAGGCCCCAGCGAGGGTGGTGACCTGGATGACAGTGACTAGATCGGAAGAGCGGTTCAG
chr19	1467004	1467043	APC2_9260	+	GTGACCTATGCACCAGACGTGCTACGTGAAGCGCTTCCTGGACATCGCCGACTGCCGGGAAGATCGGAAGAGCGGTTCAG
chr19	1467464	1467503	APC2_9261	+	GTGACCTATGCACCAGACGTCTGCACTGACTCCGCGGAGGGCACGCCGGTCAACTTCTCTAGATCGGAAGAGCGGTTCAG
chr19	1467924	1467963	APC2_9262	+	GTGACCTATGCACCAGACGTCCGCAGGGCCGGAAGGAGGCCCCTGCCCCGTCCAAGGCTGAGATCGGAAGAGCGGTTCAG
chr19	1468384	1468423	APC2_9263	+	GTGACCTATGCACCAGACGTCAATTGTCACGTGGCTGCACCAGGCAGCAGCTGCCACGCGAGATCGGAAGAGCGGTTCAG
chr19	1468844	1468883	APC2_9264	+	GTGACCTATGCACCAGACGTGACCTCGGAGCTGGCGACGCTGAGCCAGCCCCCCAGAAGCAGATCGGAAGAGCGGTTCAG
chr19	1469304	1469343	APC2_9265	+	GTGACCTATGCACCAGACGTCCGGGCTTGCGGCGCCGCCGCTCCGAGCTGTCCTCGGCCGAGATCGGAAGAGCGGTTCAG
chr19	1469764	1469803	APC2_9266	+	GTGACCTATGCACCAGACGTCCCACATCCTGCGCAGCACGCTTCCCGCCACGGCCCTGCCAGATCGGAAGAGCGGTTCAG
chr20	54945407	54945446	AURKA_9267	+	GTGACCTATGCACCAGACGTACAAATGATAAAATATCACAAAACACAGGTTAGAGAGATCAGATCGGAAGAGCGGTTCAG
chr20	54945726	54945765	AURKA_9268	+	GTGACCTATGCACCAGACGTAGGGAGGCTCAGGTTGATGTGCTTCTCGTTTTATGATCACAGATCGGAAGAGCGGTTCAG
chr20	54948623	54948662	AURKA_9269	+	GTGACCTATGCACCAGACGTAATATTGAAAGCCTATGTTTTAGATTTTATATAACACAAGAGATCGGAAGAGCGGTTCAG
chr20	54956638	54956677	AURKA_9270	+	GTGACCTATGCACCAGACGTGGATAAACATTCTAACACTTGGTTTGGAGCTCACAGAAGAAGATCGGAAGAGCGGTTCAG
chr20	54958243	54958282	AURKA_9271	+	GTGACCTATGCACCAGACGTTTTGAACACTTTAGAATGTGAAGAAAACAAAGCTTTTCTAAGATCGGAAGAGCGGTTCAG
chr20	54959391	54959430	AURKA_9272	+	GTGACCTATGCACCAGACGTTAAGTTAAAAACCTGTTTTTAGAATAACTATATAGGATAAAGATCGGAAGAGCGGTTCAG
chr20	54961600	54961639	AURKA_9273	+	GTGACCTATGCACCAGACGTAGAGAAAATAAACTTTCTGGCATTCATGAAAGCAAAAGATAGATCGGAAGAGCGGTTCAG
chr20	54963264	54963303	AURKA_9274	+	GTGACCTATGCACCAGACGTAAGAAAAAGAAGAACCTTTAATTTGAACAAAGCCACCTGCAGATCGGAAGAGCGGTTCAG
chr6	41903856	41903895	CCND3_9275	+	GTGACCTATGCACCAGACGTGGGAGAAGAGTGAGGAGCAAACACTCCCCCCATAGCATCTAGATCGGAAGAGCGGTTCAG
chr6	41904430	41904469	CCND3_9276	+	GTGACCTATGCACCAGACGTTAATCTTGGAGAGGAGGAAAGGGAACCATGAGAGAAGGAAAGATCGGAAGAGCGGTTCAG
chr6	41904444	41904483	CCND3_9277	+	GTGACCTATGCACCAGACGTAGGAAAGGGAACCATGAGAGAAGGAAACCTGAAGGATAACAGATCGGAAGAGCGGTTCAG
chr6	41905143	41905182	CCND3_9278	+	GTGACCTATGCACCAGACGTGGGGAAAGGGTGGGGTCAGTGGCTGGAGAAGTGAAGAGGAAGATCGGAAGAGCGGTTCAG
chr6	41908289	41908328	CCND3_9279	+	GTGACCTATGCACCAGACGTAAGACTTCCTCCTCACAGCGCTGCTCCTCACATACCTGGGAGATCGGAAGAGCGGTTCAG
chr6	41908334	41908373	CCND3_9280	+	GTGACCTATGCACCAGACGTGCGCACAGTCACTGCTGGGTCTGGAGCGTGGGGAACACAGAGATCGGAAGAGCGGTTCAG

chr6	41909398	41909437	CCND3_9281	+	GTGACCTATGCACCAGACGTCGAACAGGCAGGGCGGGAGTGCGGGCTCGCGAGTCCCAAGAGATCGGAAGAGCGGTTCAG
chrX	135730574	135730613	CD40LG_9282	+	GTGACCTATGCACCAGACGTCCACAAGCCTTTATTAACTAAATTTGGGGTCCTTACTAATAGATCGGAAGAGCGGTTCAG
chrX	135732567	135732606	CD40LG_9283	+	GTGACCTATGCACCAGACGTTAATTACTGGTAAAAGTGTCATTGAAATATTTTACTACATAGATCGGAAGAGCGGTTCAG
chrX	135736600	135736639	CD40LG_9284	+	GTGACCTATGCACCAGACGTTATTTGCTAATTTCTATGAATGCCTAAAAACTAAAAGGAAAGATCGGAAGAGCGGTTCAG
chrX	135738588	135738627	CD40LG_9285	+	GTGACCTATGCACCAGACGTCAGCATCTGAGCGGTAGCCACCCAAGGGGAAAGGCTGGGAAGATCGGAAGAGCGGTTCAG
chrX	135741585	135741624	CD40LG_9286	+	GTGACCTATGCACCAGACGTCTTGCAGGCTGTGGTGGAGCTGACGCTGGGAGTCTTCATAAGATCGGAAGAGCGGTTCAG
chr13	28537517	28537556	CDX2_9287	+	GTGACCTATGCACCAGACGTAAAGGTGGAGAAAAGCACATTGTGGTGAAGATGTGAGGGAAGATCGGAAGAGCGGTTCAG
chr13	28539163	28539202	CDX2_9288	+	GTGACCTATGCACCAGACGTAGGAGAAGTGAGGGCTGAGAACTGCAAGGCAGCCCATCAGAGATCGGAAGAGCGGTTCAG
chr13	28543154	28543193	CDX2_9289	+	GTGACCTATGCACCAGACGTGTCCGGGAGCAGACCTCACCATGCTGCCTGGGGACCGACGAGATCGGAAGAGCGGTTCAG
chr15	51503264	51503303	CYP19A1_9290	+	GTGACCTATGCACCAGACGTGATCAGACAGTTAGCCAGAATATTAAAGGCTAGAGTCACTAGATCGGAAGAGCGGTTCAG
chr15	51504769	51504808	CYP19A1_9291	+	GTGACCTATGCACCAGACGTAGATAAAAGGAACAAAGAAGGTAATGTTAGTTTCCATCTGAGATCGGAAGAGCGGTTCAG
chr15	51507440	51507479	CYP19A1_9292	+	GTGACCTATGCACCAGACGTGGAAGATGGGAAAAATTTGGAAAAGTGAATCAAAGTTTCAAGATCGGAAGAGCGGTTCAG
chr15	51508025	51508064	CYP19A1_9293	+	GTGACCTATGCACCAGACGTAGTCAAAATATTGTCTATTTTTACTCAGTTTAGACATCTAAGATCGGAAGAGCGGTTCAG
chr15	51510863	51510902	CYP19A1_9294	+	GTGACCTATGCACCAGACGTAAAAAACACACATACACAAGAAAGAGCAGTTGAGCAAAATAGATCGGAAGAGCGGTTCAG
chr15	51514733	51514772	CYP19A1_9295	+	GTGACCTATGCACCAGACGTCACATCAGAGAATCAGCCATCACGAACTCCAGGGCACACAAGATCGGAAGAGCGGTTCAG
chr15	51520141	51520180	CYP19A1_9296	+	GTGACCTATGCACCAGACGTAGGAAACTTTGGTGTCAATTTTTAAGGGTCAGGAGAACTCAGATCGGAAGAGCGGTTCAG
chr15	51529217	51529256	CYP19A1_9297	+	GTGACCTATGCACCAGACGTTGTCAGAGCATAAGCAACATCTTAGTTACACCAAAAATTGAGATCGGAAGAGCGGTTCAG
chr15	51535120	51535159	CYP19A1_9298	+	GTGACCTATGCACCAGACGTTTGACCTCAGAGGGGGCAATTTAGAGTCCTGTGGAAATCAAGATCGGAAGAGCGGTTCAG
chr20	31367962	31368001	DNMT3B_9299	+	GTGACCTATGCACCAGACGTGGCTATGGGGGGCAGCCTGGGTGGGGTACTTGGGCAAGAGAGATCGGAAGAGCGGTTCAG
chr20	31368282	31368321	DNMT3B_9300	+	GTGACCTATGCACCAGACGTAGTGGGGACTGGGGTGGTGTCAGGCGCTGACATAGTGAGCAGATCGGAAGAGCGGTTCAG
chr20	31369231	31369270	DNMT3B_9301	+	GTGACCTATGCACCAGACGTTGCTCTCCCTTTTTCAGGGCTCAGGGACTTTGTCTTTGGCAGATCGGAAGAGCGGTTCAG
chr20	31372676	31372715	DNMT3B_9302	+	GTGACCTATGCACCAGACGTACACCTCGAGCCAAAGCACTTGTGGCCAACACTCTACATAAGATCGGAAGAGCGGTTCAG
chr20	31374444	31374483	DNMT3B_9303	+	GTGACCTATGCACCAGACGTCAGATGCCCAGACCCCTGCCCGCAGTCTCTAACTGGGAGAAGATCGGAAGAGCGGTTCAG
chr20	31375268	31375307	DNMT3B_9304	+	GTGACCTATGCACCAGACGTGAGGGGCTCCTGCCCAGGGTGACTGAGGACCCTGAACACGAGATCGGAAGAGCGGTTCAG
chr20	31376829	31376868	DNMT3B_9305	+	GTGACCTATGCACCAGACGTGGAAGGGCAAGGGGTTCTGCAGGCCTGAGGCTGTGCCTGCAGATCGGAAGAGCGGTTCAG
chr20	31379525	31379564	DNMT3B_9306	+	GTGACCTATGCACCAGACGTATGAGGGAATGAGGGCTAAGCCCTGAGAGCAGGGATGAAGAGATCGGAAGAGCGGTTCAG
chr20	31380587	31380626	DNMT3B_9307	+	GTGACCTATGCACCAGACGTGTCCCCATGGCAGCACCCGCTGCCTCTGCTGGTGGGACCAAGATCGGAAGAGCGGTTCAG
chr20	31381412	31381451	DNMT3B_9308	+	GTGACCTATGCACCAGACGTCCTGTCTTTTGACTGTGCCCTGTTTTCTATGCACTTTCTTAGATCGGAAGAGCGGTTCAG
chr20	31383351	31383390	DNMT3B_9309	+	GTGACCTATGCACCAGACGTGGTACCTGGGATCATGGGACAGATGGGAGGAGGACGCTGCAGATCGGAAGAGCGGTTCAG
chr20	31383511	31383550	DNMT3B_9310	+	GTGACCTATGCACCAGACGTCTCCCTCCCAGTCATCCCCCTCACACCCTGGCTAGGGCTCAGATCGGAAGAGCGGTTCAG
chr20	31384686	31384725	DNMT3B_9311	+	GTGACCTATGCACCAGACGTCTACTACTGCCCTGGACCTTCCTCCCCTTGCCTCCTCTAAAGATCGGAAGAGCGGTTCAG
chr20	31385116	31385155	DNMT3B_9312	+	GTGACCTATGCACCAGACGTGGCCCTGTGGGGTGGATGTGGGTGGGCCCCCAAGGCTCCTAGATCGGAAGAGCGGTTCAG
chr20	31386460	31386499	DNMT3B_9313	+	GTGACCTATGCACCAGACGTGGCTCCCGCCTCTACCACCACAGATCCCAGGGGCACAGGGAGATCGGAAGAGCGGTTCAG
chr20	31387145	31387184	DNMT3B_9314	+	GTGACCTATGCACCAGACGTGGAACACCTGGAGACACTGCTATCGTGTCACAACAGGGTAAGATCGGAAGAGCGGTTCAG
chr20	31388115	31388154	DNMT3B_9315	+	GTGACCTATGCACCAGACGTTCTGTACCTTGCGGGCCTCATCTCTTCCTGTCTTTTTCCCAGATCGGAAGAGCGGTTCAG
chr20	31388742	31388781	DNMT3B_9316	+	GTGACCTATGCACCAGACGTTTCTCTCTGGCAGTCCCTGGAGAGCCTATGTCACCTGACCAGATCGGAAGAGCGGTTCAG
chr20	31389243	31389282	DNMT3B_9317	+	GTGACCTATGCACCAGACGTCTGGGGACCTGATTGTCACAGACAGCCAGGGCAGGGAAAGAGATCGGAAGAGCGGTTCAG
chr20	31390287	31390326	DNMT3B_9318	+	GTGACCTATGCACCAGACGTGCTCTTAGTGGGTCAGGTAACAGCCAAGTTAAATATGTGAAGATCGGAAGAGCGGTTCAG
chr20	31393224	31393263	DNMT3B_9319	+	GTGACCTATGCACCAGACGTCTGTGGCCCTCTGGAAAAATGCACTTGGTGACCTCCAAGTAGATCGGAAGAGCGGTTCAG
chr20	31394144	31394183	DNMT3B_9320	+	GTGACCTATGCACCAGACGTCTGCACTTGGAGAGGGAAACTGTGTAGATCAAAACACAAAAGATCGGAAGAGCGGTTCAG
chr20	31395720	31395759	DNMT3B_9321	+	GTGACCTATGCACCAGACGTGCCCCAAGCCCACTGGGGTGTGTGGCAGAGCCAGGACCCAAGATCGGAAGAGCGGTTCAG
chr19	45912994	45913033	ERCC1_9322	+	GTGACCTATGCACCAGACGTGGGAGAAAAAAATGAGGAACCAGTCATTAAAGGAGCTGTTAGATCGGAAGAGCGGTTCAG
chr19	45917014	45917053	ERCC1_9323	+	GTGACCTATGCACCAGACGTAAAGCGAGGGGTCAGGGCAGTTGAGCACAAAAGCCTCCCCAGATCGGAAGAGCGGTTCAG
chr19	45917303	45917342	ERCC1_9324	+	GTGACCTATGCACCAGACGTTGGAGGCAGGAGTGTGTCGGAAGAAGAAAGGCCAGCAAGAAGATCGGAAGAGCGGTTCAG
chr19	45918229	45918268	ERCC1_9325	+	GTGACCTATGCACCAGACGTAGGATACAGGGCAGCCGGGAGGTGAGGTATCAGATTATAGAGATCGGAAGAGCGGTTCAG
chr19	45922466	45922505	ERCC1_9326	+	GTGACCTATGCACCAGACGTCAGGGAGCGGGAGTTGAGAGGTCTCAGTCTCTTCAAGACCAGATCGGAAGAGCGGTTCAG
chr19	45923696	45923735	ERCC1_9327	+	GTGACCTATGCACCAGACGTACGAAGGGCAGAAGCCATCAATAGGGATGACCCTTGATAAAGATCGGAAGAGCGGTTCAG
chr19	45924662	45924701	ERCC1_9328	+	GTGACCTATGCACCAGACGTAAAGGGAGTTTGCAGGGGACTGGTTGGGGTGAGCAGAGGAAGATCGGAAGAGCGGTTCAG
chr19	45926643	45926682	ERCC1_9329	+	GTGACCTATGCACCAGACGTAAAGGGAAGGTGCCAGGAGCGAGTGAGCCACTGGCGTCTAAGATCGGAAGAGCGGTTCAG
chr16	14014240	14014279	ERCC4_9330	+	GTGACCTATGCACCAGACGTGCTGGCGCGGGAGTGAGGGGACTCCGAGAGTGTTGAGGGCAGATCGGAAGAGCGGTTCAG
chr16	14016079	14016118	ERCC4_9331	+	GTGACCTATGCACCAGACGTGAAATCTTATTATTAGTATGTAAATTTGTACTTTTTTTTTAGATCGGAAGAGCGGTTCAG
chr16	14020624	14020663	ERCC4_9332	+	GTGACCTATGCACCAGACGTTTATGTGACAAATAATGATGACATTATTTGTCATCTTTGTAGATCGGAAGAGCGGTTCAG
chr16	14022103	14022142	ERCC4_9333	+	GTGACCTATGCACCAGACGTTCCTTTTAAGCACAGTTTATTATGTTGTAATTTTAAAGAAAGATCGGAAGAGCGGTTCAG
chr16	14024758	14024797	ERCC4_9334	+	GTGACCTATGCACCAGACGTAAAATACTAATAATATTCTAAGAGCTGATTTGAATAAAGTAGATCGGAAGAGCGGTTCAG
chr16	14026153	14026192	ERCC4_9335	+	GTGACCTATGCACCAGACGTGGGTTAAGTCTTTAAATGTGTTTTTTATTTCGGTATTTGGAGATCGGAAGAGCGGTTCAG
chr16	14028170	14028209	ERCC4_9336	+	GTGACCTATGCACCAGACGTAGGAGATGAAAACATTTGCTTCCAAAATCTATCAAATGAGAGATCGGAAGAGCGGTTCAG
chr16	14029611	14029650	ERCC4_9337	+	GTGACCTATGCACCAGACGTAAGAATCACAGCTTTCAGTTGCACAGTTCTTTAGGATTTAAGATCGGAAGAGCGGTTCAG
chr16	14031726	14031765	ERCC4_9338	+	GTGACCTATGCACCAGACGTGAAAATCAGTATGAAAGCCCCAACTACATTGGAAACCTCTAGATCGGAAGAGCGGTTCAG

chr16	14038703	14038742	ERCC4_9339	+	GTGACCTATGCACCAGACGTCACTTTGTCAGGCACCTCCATTGCCTGCAAAGGGGGCTGTAGATCGGAAGAGCGGTTCAG
chr16	14042215	14042254	ERCC4_9340	+	GTGACCTATGCACCAGACGTCTGTTTTCTTATCCCATGCCTGTACTTTTCAGCGGCTCCTAGATCGGAAGAGCGGTTCAG
chr16	14029312	14029351	ERCC4_9341	+	GTGACCTATGCACCAGACGTGAGATGTCGAGGAAGGATATCGTCGAGAAATAAGCAGTAGAGATCGGAAGAGCGGTTCAG
chr16	14041848	14041887	ERCC4_9342	+	GTGACCTATGCACCAGACGTCGGATTCTCTGGTGCCCCTCTCCTCATGCAACGGCGGAGTAGATCGGAAGAGCGGTTCAG
chr17	41606122	41606161	ETV4_9343	+	GTGACCTATGCACCAGACGTAGAGAAGGTCTGGTCAGCCTGGCTAGCCGCCCAGCCTTTGAGATCGGAAGAGCGGTTCAG
chr17	41606615	41606654	ETV4_9344	+	GTGACCTATGCACCAGACGTAACAGTTTTGGGGTAGAGATGCTACCTTGGCAGAGGAAAAAGATCGGAAGAGCGGTTCAG
chr17	41607055	41607094	ETV4_9345	+	GTGACCTATGCACCAGACGTCGAAAATAGGAGGTGTGGGGTTTGTGTCTTTTGGTCCCCCAGATCGGAAGAGCGGTTCAG
chr17	41607331	41607370	ETV4_9346	+	GTGACCTATGCACCAGACGTAAATTGGGGGTTGCTCAGATCTGGGGGTTCACCGATGAGAAGATCGGAAGAGCGGTTCAG
chr17	41607560	41607599	ETV4_9347	+	GTGACCTATGCACCAGACGTAGAAGGGGTGATGTGAGAAGTGGCTTGGGGTGGAGCTCGAAGATCGGAAGAGCGGTTCAG
chr17	41610318	41610357	ETV4_9348	+	GTGACCTATGCACCAGACGTTTGGATGGAGAAGGAAGAGAAGAGAACTTTAAATTAATCCAGATCGGAAGAGCGGTTCAG
chr17	41610727	41610766	ETV4_9349	+	GTGACCTATGCACCAGACGTGAAGGAGACAGGGGTGAGGGGGCAGAGAAGCTGGAAAGCAAGATCGGAAGAGCGGTTCAG
chr17	41611364	41611403	ETV4_9350	+	GTGACCTATGCACCAGACGTGGAGGGGACAGAGCAAGGCCAGAGCCTGTCACACAAGAGGAGATCGGAAGAGCGGTTCAG
chr17	41613858	41613897	ETV4_9351	+	GTGACCTATGCACCAGACGTAAGTCAGAGGTGAGTTTGGGGCGGAGCCCTGGTTGTCCCCAGATCGGAAGAGCGGTTCAG
chr17	41622401	41622440	ETV4_9352	+	GTGACCTATGCACCAGACGTAATAGTGGAATTGGAGGTGAGGTGGAGGGGACGGTAAGAGAGATCGGAAGAGCGGTTCAG
chr17	41622746	41622785	ETV4_9353	+	GTGACCTATGCACCAGACGTCGGGGAGAATGCCCGCGAGTCACCCTGAGGCGCTTAGTCTAGATCGGAAGAGCGGTTCAG
chr17	41622996	41623035	ETV4_9354	+	GTGACCTATGCACCAGACGTCCTCCGGCCGCACGGCCGGGGCCCCAAGCGGGGGCCGAGAAGATCGGAAGAGCGGTTCAG
chr15	91428499	91428538	FES_9355	+	GTGACCTATGCACCAGACGTATGGGACTCTGGTGGGTGCTGGCTGTATCTGCCTTCTCCTAGATCGGAAGAGCGGTTCAG
chr15	91428826	91428865	FES_9356	+	GTGACCTATGCACCAGACGTAGCACTGGGGCTTCGGTCATTTCTGTCTAAATTTTGAGCCAGATCGGAAGAGCGGTTCAG
chr15	91430298	91430337	FES_9357	+	GTGACCTATGCACCAGACGTTCCCTTGCTGGCAGGGAGGGAATCCGAAGCCAGTGCTGACAGATCGGAAGAGCGGTTCAG
chr15	91430611	91430650	FES_9358	+	GTGACCTATGCACCAGACGTAGCCCCGTCCCCTGGCCCCCACCCTTGAGCAGCCCTAAGCAGATCGGAAGAGCGGTTCAG
chr15	91432684	91432723	FES_9359	+	GTGACCTATGCACCAGACGTTCCTTGCTCCTGCTGGGCCCAGGGCTGCTGGCCTGTCCACAGATCGGAAGAGCGGTTCAG
chr15	91432877	91432916	FES_9360	+	GTGACCTATGCACCAGACGTGCTTTGCACCTGGGCTGCGGCGGGGCTCCCAGCAGACCACAGATCGGAAGAGCGGTTCAG
chr15	91433203	91433242	FES_9361	+	GTGACCTATGCACCAGACGTCCCTGCCTGCAGCAGCCTCCTGGGCCTCCCTCCCTCCTACAGATCGGAAGAGCGGTTCAG
chr15	91433519	91433558	FES_9362	+	GTGACCTATGCACCAGACGTCCATCCGCGGCCGCTGCCCGCCACCGGCCTGCCCACCTGGAGATCGGAAGAGCGGTTCAG
chr15	91433725	91433764	FES_9363	+	GTGACCTATGCACCAGACGTCCCAGCCTGGGCCCCCCTACTGTTGTGTTTCGAGTTTAATAGATCGGAAGAGCGGTTCAG
chr15	91434432	91434471	FES_9364	+	GTGACCTATGCACCAGACGTCTGGGACCCGAGCCTTCCAGGCCTCACTCTTCCCCTCCCTAGATCGGAAGAGCGGTTCAG
chr15	91434917	91434956	FES_9365	+	GTGACCTATGCACCAGACGTACCCAGCCTGGCCCATGCCACCTGTGGCAGGGCTTGGGGAAGATCGGAAGAGCGGTTCAG
chr15	91435352	91435391	FES_9366	+	GTGACCTATGCACCAGACGTCTCTGCTGGCCTCCTTGTCGCTGGCGACTTCTCCTGAGTCAGATCGGAAGAGCGGTTCAG
chr15	91436066	91436105	FES_9367	+	GTGACCTATGCACCAGACGTAACTAATGATCACCACGGGTCCCGCATACACAGAGGTTACAGATCGGAAGAGCGGTTCAG
chr15	91436435	91436474	FES_9368	+	GTGACCTATGCACCAGACGTGGCGCTGAGCTCCAGGTAGGGCGCGCAGCCTGGTCAGGTGAGATCGGAAGAGCGGTTCAG
chr15	91436655	91436694	FES_9369	+	GTGACCTATGCACCAGACGTGGTGGCCACGGGCCCTGCCAACACCCCCGACCAGAGTCAAAGATCGGAAGAGCGGTTCAG
chr15	91437052	91437091	FES_9370	+	GTGACCTATGCACCAGACGTCCTGTCTACCCTGGACTCCATGGCCAGAGGCCAGGCCTGGAGATCGGAAGAGCGGTTCAG
chr15	91437299	91437338	FES_9371	+	GTGACCTATGCACCAGACGTTGTGATGACAGCAGCCTCAGGCTGCACCCTCTTCCAGATGAGATCGGAAGAGCGGTTCAG
chr15	91438799	91438838	FES_9372	+	GTGACCTATGCACCAGACGTCCCTTCTCAAGCTGGTGGCCTCTGCAGGCCTAGGTGCAGCAGATCGGAAGAGCGGTTCAG
chr4	144258424	144258463	GAB1_9373	+	GTGACCTATGCACCAGACGTCTGCGGGCACCACTCCGCGGGCCTCGGCGTCCACACCCCTAGATCGGAAGAGCGGTTCAG
chr4	144336935	144336974	GAB1_9374	+	GTGACCTATGCACCAGACGTGATATTACTATTCAACTTGAATTCTTCTTTTCTGCTACATAGATCGGAAGAGCGGTTCAG
chr4	144354880	144354919	GAB1_9375	+	GTGACCTATGCACCAGACGTTATGCCCATGTGAGAGAGAGACAGAGGCGTGTGTATGTGTAGATCGGAAGAGCGGTTCAG
chr4	144359764	144359803	GAB1_9376	+	GTGACCTATGCACCAGACGTGTTGACTTCTTCTCTATTAGAGGTTAATGATAGAAAATCGAGATCGGAAGAGCGGTTCAG
chr4	144361051	144361090	GAB1_9377	+	GTGACCTATGCACCAGACGTTTGACCTTGGCATCATCAAGTGTATTTCATTGTCTAAATCAGATCGGAAGAGCGGTTCAG
chr4	144361546	144361585	GAB1_9378	+	GTGACCTATGCACCAGACGTCATGGCAAAGTAAAAGGCTTGGGGAGTGCCAAGTTAGATCAGATCGGAAGAGCGGTTCAG
chr4	144378933	144378972	GAB1_9379	+	GTGACCTATGCACCAGACGTTAGCACCGCATGCTGTATGGGGCATTGGGAATTTATTTTGAGATCGGAAGAGCGGTTCAG
chr4	144380642	144380681	GAB1_9380	+	GTGACCTATGCACCAGACGTTGTCTAAAATATGTAGTTTGTATGAATAATGTGACTATCTAGATCGGAAGAGCGGTTCAG
chr4	144381651	144381690	GAB1_9381	+	GTGACCTATGCACCAGACGTTTTTAACTTTTCCCTTTCTGAGCAGCCCTTTTCAGTCATTAGATCGGAAGAGCGGTTCAG
chr4	144387389	144387428	GAB1_9382	+	GTGACCTATGCACCAGACGTTGTGACATGTCTCTTCTTTGTATACAGTTAGTTCACACTTAGATCGGAAGAGCGGTTCAG
chr4	144390353	144390392	GAB1_9383	+	GTGACCTATGCACCAGACGTTTGCCATTTCTGAACAAAAGAAAACTGAATTGTAAAGATAAGATCGGAAGAGCGGTTCAG
chr4	144359463	144359502	GAB1_9384	+	GTGACCTATGCACCAGACGTATGTATCTATTAGTTATGACATTCCTCCAACACCTGGTAAAGATCGGAAGAGCGGTTCAG
chr7	81332084	81332123	HGF_9385	+	GTGACCTATGCACCAGACGTGACATACAAAAACAAAGTATTATTAGGAATTAAAAAAAAGAGATCGGAAGAGCGGTTCAG
chr7	81334862	81334901	HGF_9386	+	GTGACCTATGCACCAGACGTGCAAAAAACATACAATAAGGTGAGAAAAGTAAGAAACAAAAGATCGGAAGAGCGGTTCAG
chr7	81335080	81335119	HGF_9387	+	GTGACCTATGCACCAGACGTAAAATACAATGGTAAGTACTCTCAACTGGATTCAACACAAAGATCGGAAGAGCGGTTCAG
chr7	81335754	81335793	HGF_9388	+	GTGACCTATGCACCAGACGTGGAAAAAAATTTAAATGTAAAACATAATAATTCCAAATTCAGATCGGAAGAGCGGTTCAG
chr7	81336691	81336730	HGF_9389	+	GTGACCTATGCACCAGACGTGAGGAAAGAGAAACAAGTAACATCTGTGCAGAAAGAGTGAAGATCGGAAGAGCGGTTCAG
chr7	81339570	81339609	HGF_9390	+	GTGACCTATGCACCAGACGTACCAAACATAACATTTTTTAAAATAAGAATTTGAAATAATAGATCGGAAGAGCGGTTCAG
chr7	81340846	81340885	HGF_9391	+	GTGACCTATGCACCAGACGTAAATGTATAGATAAATACACAATTCATATATGCATATATCAGATCGGAAGAGCGGTTCAG
chr7	81346692	81346731	HGF_9392	+	GTGACCTATGCACCAGACGTAACAGGCCTTGCACATCACAAGATGCTCATTCCATCCAAGAGATCGGAAGAGCGGTTCAG
chr7	81350174	81350213	HGF_9393	+	GTGACCTATGCACCAGACGTAATATACAGAAATAAGTCCAATGAATATCAAGGCAGATAAAGATCGGAAGAGCGGTTCAG
chr7	81355344	81355383	HGF_9394	+	GTGACCTATGCACCAGACGTTAAGCATGTTAATGTAAATTGCCGGAGTTCTTACGTTGGTAGATCGGAAGAGCGGTTCAG
chr7	81359106	81359145	HGF_9395	+	GTGACCTATGCACCAGACGTAAAACAACAACAAAAAAAAACTTATATAAAATCTTTGAAGAGATCGGAAGAGCGGTTCAG
chr7	81372276	81372315	HGF_9396	+	GTGACCTATGCACCAGACGTAAGGTAGGTAAAGGATACAGGATTGGAAGGTAAGGAACTAAGATCGGAAGAGCGGTTCAG

chr7	81372798	81372837	HGF_9397	+	GTGACCTATGCACCAGACGTCACCAAGAAAAGTGTCACGTAAATCTGCCTGGAAACACCAAGATCGGAAGAGCGGTTCAG
chr7	81374447	81374486	HGF_9398	+	GTGACCTATGCACCAGACGTTAAAGTATGGCATGTTAATTGTTTCTGACAGCAAAATCAAAGATCGGAAGAGCGGTTCAG
chr7	81381589	81381628	HGF_9399	+	GTGACCTATGCACCAGACGTAATGATAATCATTACAGTATAAGAGCATGCAACTTTTTTTAGATCGGAAGAGCGGTTCAG
chr7	81381574	81381613	HGF_9400	+	GTGACCTATGCACCAGACGTAAAAGCTAGTTTTAAAATGATAATCATTACAGTATAAGAGAGATCGGAAGAGCGGTTCAG
chr7	81386630	81386669	HGF_9401	+	GTGACCTATGCACCAGACGTAAGTAGATAAAATTATTGCAACTATGCAAAACATATGCAGAGATCGGAAGAGCGGTTCAG
chr7	81388131	81388170	HGF_9402	+	GTGACCTATGCACCAGACGTTATCAGAATGAAAAGAAGAAATACTACTATTTATACAGTAAGATCGGAAGAGCGGTTCAG
chr7	81392199	81392238	HGF_9403	+	GTGACCTATGCACCAGACGTCAAAATGTTTTAAAAAAATAAACATTGGAGAAATGTTTTTAGATCGGAAGAGCGGTTCAG
chr7	81399298	81399337	HGF_9404	+	GTGACCTATGCACCAGACGTGACGGGCTGGCGGATCCCTCTGGAGGAGATGCCTGGGTGAAGATCGGAAGAGCGGTTCAG
chr12	68549278	68549317	IFNG_9405	+	GTGACCTATGCACCAGACGTAGAAAAGAGCAAAATTAATTTCAGGCATATAAGCCATCAGAGATCGGAAGAGCGGTTCAG
chr12	68551886	68551925	IFNG_9406	+	GTGACCTATGCACCAGACGTAAGAGCACAAACAGAGGATGATGTGAATTTATCCATCAGAAGATCGGAAGAGCGGTTCAG
chr12	68552050	68552089	IFNG_9407	+	GTGACCTATGCACCAGACGTAAAAAGAAAAAATTGGTTTACAATTAGCCCATAAATTGCCAGATCGGAAGAGCGGTTCAG
chr12	68553406	68553445	IFNG_9408	+	GTGACCTATGCACCAGACGTAGAATTAAGCCAAAGAAGTTGAAATCAGTAGTTCTTGTATAGATCGGAAGAGCGGTTCAG
chr6	160390438	160390477	IGF2R_9409	+	GTGACCTATGCACCAGACGTCGCCCGGACGCAGGCTCCGCTCGCGGTGCCCGGGGTGAGCAGATCGGAAGAGCGGTTCAG
chr6	160412366	160412405	IGF2R_9410	+	GTGACCTATGCACCAGACGTCTACCTGAAATTACTGGATTGGCAATATGATTCCCCAATTAGATCGGAAGAGCGGTTCAG
chr6	160430177	160430216	IGF2R_9411	+	GTGACCTATGCACCAGACGTACAGGCACTTGATGTATTTCTTTAAAAAAAAAAAGGTCTGAGATCGGAAGAGCGGTTCAG
chr6	160431828	160431867	IGF2R_9412	+	GTGACCTATGCACCAGACGTAACTTCAAATTACATGCTTATGAAGTATACTCTGGGGAACAGATCGGAAGAGCGGTTCAG
chr6	160445747	160445786	IGF2R_9413	+	GTGACCTATGCACCAGACGTTTGTGGGGCTGAGGGGGTGGTGGTGAGGGATTTCTTCTATAGATCGGAAGAGCGGTTCAG
chr6	160448357	160448396	IGF2R_9414	+	GTGACCTATGCACCAGACGTGCCTCCGATGCTGTTGGCGTTTTTAATCTCCAGCAAGGACAGATCGGAAGAGCGGTTCAG
chr6	160450698	160450737	IGF2R_9415	+	GTGACCTATGCACCAGACGTCGTCTCCTGATCACTAATGTGGCGCACAGTAGCCTGGGTTAGATCGGAAGAGCGGTTCAG
chr6	160453756	160453795	IGF2R_9416	+	GTGACCTATGCACCAGACGTGCTTTCTGCCTCCTGGCGCTGCTTAGGAAGAAGGGGATCGAGATCGGAAGAGCGGTTCAG
chr6	160455565	160455604	IGF2R_9417	+	GTGACCTATGCACCAGACGTGCTGGAGTTCAGCCCCTCCTCTTTGCATTCATGGGCATGTAGATCGGAAGAGCGGTTCAG
chr6	160461767	160461806	IGF2R_9418	+	GTGACCTATGCACCAGACGTCCTTGCCATGCGGGTCTTAGTCCACATGCTCATGGAACATAGATCGGAAGAGCGGTTCAG
chr6	160464331	160464370	IGF2R_9419	+	GTGACCTATGCACCAGACGTCCTGGATGGAAGATCTAGGTGATGCTTTTCTAGGGCATCCAGATCGGAAGAGCGGTTCAG
chr6	160465700	160465739	IGF2R_9420	+	GTGACCTATGCACCAGACGTTAAAAAAGATGAAATCTTTTCTGGCTTCTGCCAGAGGTCCAGATCGGAAGAGCGGTTCAG
chr6	160466925	160466964	IGF2R_9421	+	GTGACCTATGCACCAGACGTAAGCAGGACCTCTGCTTTAATGTGACTTGGAACCACTTAAAGATCGGAAGAGCGGTTCAG
chr6	160467688	160467727	IGF2R_9422	+	GTGACCTATGCACCAGACGTTCTCAGTTCTGTTTCATTCTTAGGCATTATATGCTAAGAAAGATCGGAAGAGCGGTTCAG
chr6	160468379	160468418	IGF2R_9423	+	GTGACCTATGCACCAGACGTTTGTTCCTCATCGCGCTCCCTGAGGATACTCATGCCTGTGAGATCGGAAGAGCGGTTCAG
chr6	160468950	160468989	IGF2R_9424	+	GTGACCTATGCACCAGACGTGTCAGCTGCTCTGTTTTTGGCCTGGTACAGATGCTGAGGTAGATCGGAAGAGCGGTTCAG
chr6	160469586	160469625	IGF2R_9425	+	GTGACCTATGCACCAGACGTTTTCACTGCTTGTCTCCTTTGCCCTCCTAATTCCATGACTAGATCGGAAGAGCGGTTCAG
chr6	160471695	160471734	IGF2R_9426	+	GTGACCTATGCACCAGACGTGCTGCTGGCTGGTGACCTTCACTGCTGCATTTTTTGACTGAGATCGGAAGAGCGGTTCAG
chr6	160477568	160477607	IGF2R_9427	+	GTGACCTATGCACCAGACGTTTTCACCTGGCCCTCGTGCTGAGCTGCCTGCTGGACATCCAGATCGGAAGAGCGGTTCAG
chr6	160479167	160479206	IGF2R_9428	+	GTGACCTATGCACCAGACGTTATGATGCATTTCCAGTTTGCTTTGAAACAGGGGGAGAGTAGATCGGAAGAGCGGTTCAG
chr6	160480141	160480180	IGF2R_9429	+	GTGACCTATGCACCAGACGTAGCCATGTTGTTTTGTAGCTAAAAAGGGCCCTGGTGGCTCAGATCGGAAGAGCGGTTCAG
chr6	160482689	160482728	IGF2R_9430	+	GTGACCTATGCACCAGACGTCTTGGTCTCTTGATTGGCGTCTGTTCATTTTATTAGAGCAAGATCGGAAGAGCGGTTCAG
chr6	160482971	160483010	IGF2R_9431	+	GTGACCTATGCACCAGACGTAGACCAGCAATGAGATGTTGTCCCCGGGTGACTCCATTTCAGATCGGAAGAGCGGTTCAG
chr6	160483662	160483701	IGF2R_9432	+	GTGACCTATGCACCAGACGTGCCTGTCCCTACAAGTCATTTTAAATGTATAGAGTAGCAGAGATCGGAAGAGCGGTTCAG
chr6	160485574	160485613	IGF2R_9433	+	GTGACCTATGCACCAGACGTACCGACGGCCCTCAGCGGGGTCTTCTCCCCACCCTCAGGCAGATCGGAAGAGCGGTTCAG
chr6	160485944	160485983	IGF2R_9434	+	GTGACCTATGCACCAGACGTGGATGTGTTGTCTCTTTTGGACAGACTAACTTGGTATGATAGATCGGAAGAGCGGTTCAG
chr6	160489428	160489467	IGF2R_9435	+	GTGACCTATGCACCAGACGTGCCTCCTCGTGGGGTGGTGTTTGCAGTGAGTGTATCACAGAGATCGGAAGAGCGGTTCAG
chr6	160491101	160491140	IGF2R_9436	+	GTGACCTATGCACCAGACGTGTTCCTGCACCTTCTGCTGTTGCAGCTTTGGGAATTGAGCAGATCGGAAGAGCGGTTCAG
chr6	160493079	160493118	IGF2R_9437	+	GTGACCTATGCACCAGACGTGTGCCAGTCGTTAACCCCAGCGCAGGTGAGAGACGGTGCCAGATCGGAAGAGCGGTTCAG
chr6	160493927	160493966	IGF2R_9438	+	GTGACCTATGCACCAGACGTTGGTCTCTCGTGTGTTGTCTGACTCTCCCGTCCTCTGGGGAGATCGGAAGAGCGGTTCAG
chr6	160494512	160494551	IGF2R_9439	+	GTGACCTATGCACCAGACGTAGATGGGCACGGGAGAAGTGCATGTCCAGTGCCTGGCTGCAGATCGGAAGAGCGGTTCAG
chr6	160495018	160495057	IGF2R_9440	+	GTGACCTATGCACCAGACGTCAAATCCAAGGGTGGAGATAATTTTTGCAAGACTTTTAGTAGATCGGAAGAGCGGTTCAG
chr6	160497039	160497078	IGF2R_9441	+	GTGACCTATGCACCAGACGTGCCTGTGACGATCTAGATGCTCAACTGCGGGTTAGTGAGCAGATCGGAAGAGCGGTTCAG
chr6	160499405	160499444	IGF2R_9442	+	GTGACCTATGCACCAGACGTCACCCTGGGCGTTGCTGGTGCAGGTGTACCAGGTGCCAGGAGATCGGAAGAGCGGTTCAG
chr6	160500830	160500869	IGF2R_9443	+	GTGACCTATGCACCAGACGTGCAATGAGGTAAATAAACTTCAAGCTCATAGTAAACTAGAAGATCGGAAGAGCGGTTCAG
chr6	160501318	160501357	IGF2R_9444	+	GTGACCTATGCACCAGACGTCGGCTCCGCGTCCCCACATGGCCTGGGGCCTTGATACTGTAGATCGGAAGAGCGGTTCAG
chr6	160505227	160505266	IGF2R_9445	+	GTGACCTATGCACCAGACGTTCCCAGTCCACCCGCGGCGCCACACCCTCAGCATGTGAACAGATCGGAAGAGCGGTTCAG
chr6	160506174	160506213	IGF2R_9446	+	GTGACCTATGCACCAGACGTTGGGTCCTGGTCCTTGGTTCAAGGAGCAGCATCTGAACCGAGATCGGAAGAGCGGTTCAG
chr6	160509190	160509229	IGF2R_9447	+	GTGACCTATGCACCAGACGTTGGGGGCTCAGAGCGGGACTGTGCAGTGAGCATACTGGAGAGATCGGAAGAGCGGTTCAG
chr6	160510296	160510335	IGF2R_9448	+	GTGACCTATGCACCAGACGTCGTTTTCCTTCTGAGCTGTGAAATGTGTTCAAAATTAAACAGATCGGAAGAGCGGTTCAG
chr6	160511146	160511185	IGF2R_9449	+	GTGACCTATGCACCAGACGTGCTTCCCACAAAGTTCCACATTTAACTTCCTCCAAGGAAGAGATCGGAAGAGCGGTTCAG
chr6	160517668	160517707	IGF2R_9450	+	GTGACCTATGCACCAGACGTCATCCGGAAGCTTAGCACTTGTACCCCACATCTTCCCTTAAGATCGGAAGAGCGGTTCAG
chr6	160523714	160523753	IGF2R_9451	+	GTGACCTATGCACCAGACGTGGCAGGGCGAGGTGGGGCGGGTGGATGCATGCCTCCCATAAGATCGGAAGAGCGGTTCAG
chr6	160524858	160524897	IGF2R_9452	+	GTGACCTATGCACCAGACGTGTGGCGAGTCTCTTGAAGGCCTGCCTCCCCGGCCCCCTGTAGATCGGAAGAGCGGTTCAG
chr6	160526127	160526166	IGF2R_9453	+	GTGACCTATGCACCAGACGTCCTGCAGGGGAGCACGGAGCCGCGGGACAGCCAAGCACCTAGATCGGAAGAGCGGTTCAG
chr19	7117432	7117471	INSR_9454	+	GTGACCTATGCACCAGACGTGAAGGACACGTCCTGGGTGAGTCTGGGGGCCCTGCCACGCAGATCGGAAGAGCGGTTCAG

chr19	7120771	7120810	INSR_9455	+	GTGACCTATGCACCAGACGTAAAAGGTTCACACGCTCTTAACCTTCAGCCTTGGTCCTAGAGATCGGAAGAGCGGTTCAG
chr19	7122795	7122834	INSR_9456	+	GTGACCTATGCACCAGACGTAACACGGGGTTGGTGTTTCAGCAGCACTGGGATCCGAGGAAGATCGGAAGAGCGGTTCAG
chr19	7123011	7123050	INSR_9457	+	GTGACCTATGCACCAGACGTAGCAACCAGGGTTCTTGGAGGAGGGTCCGTGATTCGACTCAGATCGGAAGAGCGGTTCAG
chr19	7125549	7125588	INSR_9458	+	GTGACCTATGCACCAGACGTCTTATCTACACAGCATCCTTGGAGGATCCCTTGGGGGTCTAGATCGGAAGAGCGGTTCAG
chr19	7126673	7126712	INSR_9459	+	GTGACCTATGCACCAGACGTAAAACGAGGCACGTTAGCTTGAGATTCTCATGGGACTCTGAGATCGGAAGAGCGGTTCAG
chr19	7128976	7129015	INSR_9460	+	GTGACCTATGCACCAGACGTATAAGAAAATATATGTTTCATATCAATGTGTTTCCAACAAAGATCGGAAGAGCGGTTCAG
chr19	7132339	7132378	INSR_9461	+	GTGACCTATGCACCAGACGTGAGAGGAGGAGAAGGAGGGTGGCTGAGCTTTGCACATCTGAGATCGGAAGAGCGGTTCAG
chr19	7143112	7143151	INSR_9462	+	GTGACCTATGCACCAGACGTAGTAGGACATGTATGATGACACCATCACCATCATTTTTTTAGATCGGAAGAGCGGTTCAG
chr19	7150554	7150593	INSR_9463	+	GTGACCTATGCACCAGACGTAAAACCAACGCCTTTGAGGACAGAGGGAACTTCATTAGACAGATCGGAAGAGCGGTTCAG
chr19	7163221	7163260	INSR_9464	+	GTGACCTATGCACCAGACGTGAAAGGAAATGGGTCCATCATGAGAAACAGTGTGCAAAGAAGATCGGAAGAGCGGTTCAG
chr19	7166426	7166465	INSR_9465	+	GTGACCTATGCACCAGACGTAAAACAGCAGAAGGCAGTTACCCTTACAAGACCGTCACACAGATCGGAAGAGCGGTTCAG
chr19	7168116	7168155	INSR_9466	+	GTGACCTATGCACCAGACGTTAAAACAAAAGGCAAAAATGAGCTATTTCAGTGTAGTTTCAGATCGGAAGAGCGGTTCAG
chr19	7170773	7170812	INSR_9467	+	GTGACCTATGCACCAGACGTAACACACACATCTAGTCATTCAACGGCTGGTCTTCTACAAAGATCGGAAGAGCGGTTCAG
chr19	7172456	7172495	INSR_9468	+	GTGACCTATGCACCAGACGTGAGAGAATATCCAGTGGGTTTCTATAGACATATTTCAATCAGATCGGAAGAGCGGTTCAG
chr19	7174753	7174792	INSR_9469	+	GTGACCTATGCACCAGACGTAGCAGAGAGAGAGAGAAAGAGAAAGGGGAGGGGGGTGTCAAGATCGGAAGAGCGGTTCAG
chr19	7267918	7267957	INSR_9470	+	GTGACCTATGCACCAGACGTAAATGAACAGAAAGCAAGACAGGTGAGCAGACGCACGGTGAGATCGGAAGAGCGGTTCAG
chr19	7293913	7293952	INSR_9471	+	GTGACCTATGCACCAGACGTGCGCGGGGTCTCCTCGGATCAGAGCGCGCGGCGCTGGCCCAGATCGGAAGAGCGGTTCAG
chr19	7267642	7267681	INSR_9472	+	GTGACCTATGCACCAGACGTGATGACCAGCGCGTAGTTAAAGAACAGTCGTGATCCCCGGAGATCGGAAGAGCGGTTCAG
chr10	3821793	3821832	KLF6_9473	+	GTGACCTATGCACCAGACGTAAATCAGAAGCACAGAAGAAGTTAGGTTCCCATCCCTTGCAGATCGGAAGAGCGGTTCAG
chr10	3822432	3822471	KLF6_9474	+	GTGACCTATGCACCAGACGTAGCACAGGACAAGCAGCCCATGACTTCACTGACCCGCAGAAGATCGGAAGAGCGGTTCAG
chr10	3824417	3824456	KLF6_9475	+	GTGACCTATGCACCAGACGTTGAACCAGAGAAGGCACGTGATTGCCATGACGACCAAAAGAGATCGGAAGAGCGGTTCAG
chr10	3827217	3827256	KLF6_9476	+	GTGACCTATGCACCAGACGTGTTGGACGGAGCCCGCGGTCGCGAGGGCGGCGAGGCGCGCAGATCGGAAGAGCGGTTCAG
chr10	3824130	3824169	KLF6_9477	+	GTGACCTATGCACCAGACGTAGGTAAACTTGGCCGTGGGAGAAAGTTCCTCGGAGCTGTCAGATCGGAAGAGCGGTTCAG
chr1	43803609	43803648	MPL_9478	+	GTGACCTATGCACCAGACGTCAGAGGGTGGAGATCACCTATGCCCAGGAAGAGGGAGCCCAGATCGGAAGAGCGGTTCAG
chr1	43803913	43803952	MPL_9479	+	GTGACCTATGCACCAGACGTGACTGTGCCCCACTCCCCATGTATCTGTCCCTGCACTTAGAGATCGGAAGAGCGGTTCAG
chr1	43804402	43804441	MPL_9480	+	GTGACCTATGCACCAGACGTTCCTCCTGTCACCCTGCCCCCTCCACTTGCTGCCCCCAGTAGATCGGAAGAGCGGTTCAG
chr1	43805251	43805290	MPL_9481	+	GTGACCTATGCACCAGACGTCTTCTTCTGCCCCACCTCTTATCTCCTACCTTCAATCTTGAGATCGGAAGAGCGGTTCAG
chr1	43805808	43805847	MPL_9482	+	GTGACCTATGCACCAGACGTAAAGGAATAGGGAGATGGGGAGGAGATAAAAGAATATCTCAGATCGGAAGAGCGGTTCAG
chr1	43806195	43806234	MPL_9483	+	GTGACCTATGCACCAGACGTAACTGCTGATTGAGGTTGGTGTCATGGGAGTGAGCCACAAAGATCGGAAGAGCGGTTCAG
chr1	43812311	43812350	MPL_9484	+	GTGACCTATGCACCAGACGTTCTTCCTCATTCTTCCCACATAGTTCCCACCCCCACTGAAAGATCGGAAGAGCGGTTCAG
chr1	43812616	43812655	MPL_9485	+	GTGACCTATGCACCAGACGTGCAACAAATGCCCACAGACCTCACTACGCAGGGGATCCCTAGATCGGAAGAGCGGTTCAG
chr1	43815041	43815080	MPL_9486	+	GTGACCTATGCACCAGACGTCGCCAGGCAGGAGACTGGCGGTGGACCAGGTGGAGCCGAAAGATCGGAAGAGCGGTTCAG
chr1	43817985	43818024	MPL_9487	+	GTGACCTATGCACCAGACGTTTCCCTCCCCTGTGCCCACCACCAACCCTGCCTGGTACTGAGATCGGAAGAGCGGTTCAG
chr1	43818454	43818493	MPL_9488	+	GTGACCTATGCACCAGACGTCTCACTCCCAGTTCCCTGGACAGAGCTAAACTCTCGAGACAGATCGGAAGAGCGGTTCAG
chr1	45795120	45795159	MUTYH_9489	+	GTGACCTATGCACCAGACGTATGGAAGGAGGGAGGCCTTGTAGTTGGGGGAGGGGGAGCAAGATCGGAAGAGCGGTTCAG
chr1	45796240	45796279	MUTYH_9490	+	GTGACCTATGCACCAGACGTAGACAGGGAGGTGAGGGCTGGCACTTTTTGCAAAAGAGATAGATCGGAAGAGCGGTTCAG
chr1	45797017	45797056	MUTYH_9491	+	GTGACCTATGCACCAGACGTGGTCAAGGGGTTCAAATAGGCCTGTGGATATAGCCTCAAAAGATCGGAAGAGCGGTTCAG
chr1	45797239	45797278	MUTYH_9492	+	GTGACCTATGCACCAGACGTGGGCAGCCAGGCAGGGGTCAGGCCTCAGCTGCCGATTCCCAGATCGGAAGAGCGGTTCAG
chr1	45797532	45797571	MUTYH_9493	+	GTGACCTATGCACCAGACGTAGATCCCCGAACCCTACTCAAGCCAAGAGGGCTTTAGGGGAGATCGGAAGAGCGGTTCAG
chr1	45797769	45797808	MUTYH_9494	+	GTGACCTATGCACCAGACGTCAGGGTTGAGTGTCATAGGGCAGAGTCACTCCTTAGGACTAGATCGGAAGAGCGGTTCAG
chr1	45797993	45798032	MUTYH_9495	+	GTGACCTATGCACCAGACGTGGAACACTGCTGTGAAGCAGAGCTCCTTTGCAGACACCCCAGATCGGAAGAGCGGTTCAG
chr1	45798171	45798210	MUTYH_9496	+	GTGACCTATGCACCAGACGTGGGGCCAAAGAGTTAGCCTGGGCTGGGAGGAAGGAGGCTGAGATCGGAAGAGCGGTTCAG
chr1	45798370	45798409	MUTYH_9497	+	GTGACCTATGCACCAGACGTTGCAAGACTCAAGATTATAAGACACCCAAGACTCCTGGGTAGATCGGAAGAGCGGTTCAG
chr1	45798517	45798556	MUTYH_9498	+	GTGACCTATGCACCAGACGTGATCAGAGGTCAAAGAGATCACCCGTCAGTCCCTCTATTGAGATCGGAAGAGCGGTTCAG
chr1	45798642	45798681	MUTYH_9499	+	GTGACCTATGCACCAGACGTAGGCAGGCAGAAAGAGACAAGGTCAAGGGTGAAGGTGGTAAGATCGGAAGAGCGGTTCAG
chr1	45798853	45798892	MUTYH_9500	+	GTGACCTATGCACCAGACGTGGGGTTGGCATGAGGACACTGCTGACCTGCCCCTACCTGGAGATCGGAAGAGCGGTTCAG
chr1	45799007	45799046	MUTYH_9501	+	GTGACCTATGCACCAGACGTAACCCCAGATGAGGAGTTAGGGTGGAGGGGGCTGGGTGCCAGATCGGAAGAGCGGTTCAG
chr1	45799244	45799283	MUTYH_9502	+	GTGACCTATGCACCAGACGTCCCAGGACACTCAGCAATCATCCCTGCACAGGCTGTGCATAGATCGGAAGAGCGGTTCAG
chr1	45799247	45799286	MUTYH_9503	+	GTGACCTATGCACCAGACGTAGGACACTCAGCAATCATCCCTGCACAGGCTGTGCATCAGAGATCGGAAGAGCGGTTCAG
chr1	45799277	45799316	MUTYH_9504	+	GTGACCTATGCACCAGACGTTGTGCATCAGGGTCTTGGGACACAGCAGCCTGTGGCAGTAAGATCGGAAGAGCGGTTCAG
chr1	45799286	45799325	MUTYH_9505	+	GTGACCTATGCACCAGACGTGGGTCTTGGGACACAGCAGCCTGTGGCAGTATGCTCCCACAGATCGGAAGAGCGGTTCAG
chr1	45800188	45800227	MUTYH_9506	+	GTGACCTATGCACCAGACGTAACAAAAAGACCCAGCCAAAGCAGTCAGTCACAATGAGGCAGATCGGAAGAGCGGTTCAG
chr1	45800194	45800233	MUTYH_9507	+	GTGACCTATGCACCAGACGTAAGACCCAGCCAAAGCAGTCAGTCACAATGAGGCCAAATTAGATCGGAAGAGCGGTTCAG
chr1	45805937	45805976	MUTYH_9508	+	GTGACCTATGCACCAGACGTAGTGACGATGGCGCAGTTTCAGCTCCCGCAGCTTCCGACGAGATCGGAAGAGCGGTTCAG
chr1	40363653	40363692	MYCL1_9509	+	GTGACCTATGCACCAGACGTAAAGAGATCAAGAGAAGAAACACATCCCATGAGAAACACAAGATCGGAAGAGCGGTTCAG
chr1	40367117	40367156	MYCL1_9510	+	GTGACCTATGCACCAGACGTTGCGGGAGGGAAGGGGGGACGTGCTGACCGGGTGCCGGCCAGATCGGAAGAGCGGTTCAG
chr1	40363353	40363392	MYCL1_9511	+	GTGACCTATGCACCAGACGTACTTTCTACAGGTGGGGGACTCACAATCTCTTCATCCTCCAGATCGGAAGAGCGGTTCAG
chr1	40366806	40366845	MYCL1_9512	+	GTGACCTATGCACCAGACGTCCGAGAAGCCGCTCCACATGCAGTCACGGCGTATGATGGAAGATCGGAAGAGCGGTTCAG

chr5	142658987	142659026	NR3C1_9513	+	GTGACCTATGCACCAGACGTATGATAATCTACGTTTTAGAAGCTCTTTTTGAAACTTAACAGATCGGAAGAGCGGTTCAG
chr5	142661617	142661656	NR3C1_9514	+	GTGACCTATGCACCAGACGTAGATATGGTAATGATCAGGCTTCCAAATTGGTCAGTGGGAAGATCGGAAGAGCGGTTCAG
chr5	142675166	142675205	NR3C1_9515	+	GTGACCTATGCACCAGACGTTAAATAGCAGGGTATTAGTTAGAAATACTGCTACTTCCCCAGATCGGAAGAGCGGTTCAG
chr5	142678388	142678427	NR3C1_9516	+	GTGACCTATGCACCAGACGTAGAAATAAAGGTATGAGGCAACACTCTTCAGAAGATCATCAGATCGGAAGAGCGGTTCAG
chr5	142680339	142680378	NR3C1_9517	+	GTGACCTATGCACCAGACGTTTAAACAAATACATAGAAATGAACTGTAATGGGAAGGTCTAGATCGGAAGAGCGGTTCAG
chr5	142689789	142689828	NR3C1_9518	+	GTGACCTATGCACCAGACGTTAAAAGGCACTATTAAAGTTTCACAGGTCTTCAAACATATAGATCGGAAGAGCGGTTCAG
chr5	142693744	142693783	NR3C1_9519	+	GTGACCTATGCACCAGACGTGGAAGAACAGTGTTATGATTTAACTGTCAAAGGAATATCAAGATCGGAAGAGCGGTTCAG
chr5	142780415	142780454	NR3C1_9520	+	GTGACCTATGCACCAGACGTCAACTACAAAACAAAAAACAAAAACGGGGGGAAAACATCAAGATCGGAAGAGCGGTTCAG
chr5	142779625	142779664	NR3C1_9521	+	GTGACCTATGCACCAGACGTATTATCCTTAATTTTGGGTTTAGTGTCCGGTAAAATGAGAAGATCGGAAGAGCGGTTCAG
chr5	142780019	142780058	NR3C1_9522	+	GTGACCTATGCACCAGACGTAGGTTTGCAATGCTTTCTTCCAAAAGCTTTAAGTCTGTTTAGATCGGAAGAGCGGTTCAG
chr18	39535335	39535374	PIK3C3_9523	+	GTGACCTATGCACCAGACGTACTCGGGACAGGGAGTGGGATTGCTGGGGCGTAGGGACGTAGATCGGAAGAGCGGTTCAG
chr18	39537734	39537773	PIK3C3_9524	+	GTGACCTATGCACCAGACGTTTGTGGCATATGGTATGTTACAGACTGTTCTTACCTTTCTAGATCGGAAGAGCGGTTCAG
chr18	39542608	39542647	PIK3C3_9525	+	GTGACCTATGCACCAGACGTTGTTGGTCTCATCTGTAGGAGTGTAGCAGCTTTCTGACCCAGATCGGAAGAGCGGTTCAG
chr18	39550431	39550470	PIK3C3_9526	+	GTGACCTATGCACCAGACGTTCATTTGGAACAGGTGCAAAGCTCTGACTGATGTCTATTGAGATCGGAAGAGCGGTTCAG
chr18	39570529	39570568	PIK3C3_9527	+	GTGACCTATGCACCAGACGTTGGAACTGTTTTTGGTCTCTAAAGTAGAGGGGAGAGGAAAAGATCGGAAGAGCGGTTCAG
chr18	39573316	39573355	PIK3C3_9528	+	GTGACCTATGCACCAGACGTGTGCAATTTTTTTATGAAAGTACTTTTCTTCAGAGTAATTAGATCGGAAGAGCGGTTCAG
chr18	39575969	39576008	PIK3C3_9529	+	GTGACCTATGCACCAGACGTTATGAAATATTAATTTAAAAATAGTTAAATGGGTGTTCTGAGATCGGAAGAGCGGTTCAG
chr18	39576705	39576744	PIK3C3_9530	+	GTGACCTATGCACCAGACGTTGAATATTTTCATATATCAAATTTATCTACCAACTTTGTTAGATCGGAAGAGCGGTTCAG
chr18	39584516	39584555	PIK3C3_9531	+	GTGACCTATGCACCAGACGTATTTATTATTCTGCTTCAATGGGTCATTTTAAACTAGAGCAGATCGGAAGAGCGGTTCAG
chr18	39593571	39593610	PIK3C3_9532	+	GTGACCTATGCACCAGACGTCCAGGGAGGACATATTTTCTAGTTTGTTAATTTTTCCCTTAGATCGGAAGAGCGGTTCAG
chr18	39595541	39595580	PIK3C3_9533	+	GTGACCTATGCACCAGACGTAGCTTTTCCAGCTTCCTATAGGAGAGATCCTACTGCATGAAGATCGGAAGAGCGGTTCAG
chr18	39600680	39600719	PIK3C3_9534	+	GTGACCTATGCACCAGACGTATAATTTTCTGTTTATTTTCTTATTACCCTTAAGAATTATAGATCGGAAGAGCGGTTCAG
chr18	39609416	39609455	PIK3C3_9535	+	GTGACCTATGCACCAGACGTGGTGTATGCTTTTGTTCCTAATAGCATCTTGGCATCAGAAAGATCGGAAGAGCGGTTCAG
chr18	39613932	39613971	PIK3C3_9536	+	GTGACCTATGCACCAGACGTTGGATATTTAATGTGTATGATTGGAACCTAATTCTTAAGCAGATCGGAAGAGCGGTTCAG
chr18	39617795	39617834	PIK3C3_9537	+	GTGACCTATGCACCAGACGTCCTTATGTTGGTGGGGAACATTTTTTTCGTTTTGGAATACAGATCGGAAGAGCGGTTCAG
chr18	39618825	39618864	PIK3C3_9538	+	GTGACCTATGCACCAGACGTTTTACATCATTATTATTTACTTTAGTGTACATTGTGTGTAAGATCGGAAGAGCGGTTCAG
chr18	39620716	39620755	PIK3C3_9539	+	GTGACCTATGCACCAGACGTAATAAAGATTATGCAATTCATGAATATATTCTTGTCATAAAGATCGGAAGAGCGGTTCAG
chr18	39623792	39623831	PIK3C3_9540	+	GTGACCTATGCACCAGACGTCAGGCTATTACTTTCCATTGATCAGATAAAGAAGAGCAGGAGATCGGAAGAGCGGTTCAG
chr18	39629580	39629619	PIK3C3_9541	+	GTGACCTATGCACCAGACGTATGACTACCAGTAGACATACATTGTATATGCCCATGGTTTAGATCGGAAGAGCGGTTCAG
chr18	39638026	39638065	PIK3C3_9542	+	GTGACCTATGCACCAGACGTTTGCTTGGCACAGAGAATTTGGGTAAATTTATTTTATTTTAGATCGGAAGAGCGGTTCAG
chr18	39644805	39644844	PIK3C3_9543	+	GTGACCTATGCACCAGACGTAGTAACATAAATGAAGAGCTCTTCTGTATAATTTTTCCATAGATCGGAAGAGCGGTTCAG
chr18	39647488	39647527	PIK3C3_9544	+	GTGACCTATGCACCAGACGTTGAGTGCAGTGCATTTTTCTCACCTTCTCCGTGTACTGCCAGATCGGAAGAGCGGTTCAG
chr18	39661112	39661151	PIK3C3_9545	+	GTGACCTATGCACCAGACGTGACCCATCAAGATGCTTGGCTCAATAAGAAAACCACGTTAAGATCGGAAGAGCGGTTCAG
chr1	9775838	9775877	PIK3CD_9546	+	GTGACCTATGCACCAGACGTCGAGTGGGCCGTGTGGCCGGGCTGGCCCTGCCTGCCCCACAGATCGGAAGAGCGGTTCAG
chr1	9776147	9776186	PIK3CD_9547	+	GTGACCTATGCACCAGACGTGCGTGGCCTGCGGCATCCAGGCTGCTCTGTCCATGGGGAGAGATCGGAAGAGCGGTTCAG
chr1	9776688	9776727	PIK3CD_9548	+	GTGACCTATGCACCAGACGTTGAGGCCCTCTGCACTCTGGGCTCCCAACGCCCTGGATAGAGATCGGAAGAGCGGTTCAG
chr1	9777177	9777216	PIK3CD_9549	+	GTGACCTATGCACCAGACGTGCCTTCCGCCTCCCCTCTGAGCCACCCCTTCTTTCCACCTAGATCGGAAGAGCGGTTCAG
chr1	9777695	9777734	PIK3CD_9550	+	GTGACCTATGCACCAGACGTTGGGATAGGTGGGAGAGACACTGTTTTTTTGCACAAACAAAGATCGGAAGAGCGGTTCAG
chr1	9778984	9779023	PIK3CD_9551	+	GTGACCTATGCACCAGACGTGGGCCGGCTGGGAGGGGTGCAGACCCCGGAGAGCCAGTACAGATCGGAAGAGCGGTTCAG
chr1	9780086	9780125	PIK3CD_9552	+	GTGACCTATGCACCAGACGTGCCCAGGAGGGAGAGGCGTTGGGAGTGTGAGGGTCCCAGAAGATCGGAAGAGCGGTTCAG
chr1	9780311	9780350	PIK3CD_9553	+	GTGACCTATGCACCAGACGTGCCCCGCCGCGTGAGGCTGAGGGGCTGGCGCGGAGCTCTCAGATCGGAAGAGCGGTTCAG
chr1	9780730	9780769	PIK3CD_9554	+	GTGACCTATGCACCAGACGTTGGGGGTGTGGGGTGGGGGGCATGGAGCCGGCGTGGAACCAGATCGGAAGAGCGGTTCAG
chr1	9780978	9781017	PIK3CD_9555	+	GTGACCTATGCACCAGACGTAGGCGCACCTGGGGGCGGAGCTGGGGGCAGACCACAGCCTAGATCGGAAGAGCGGTTCAG
chr1	9781317	9781356	PIK3CD_9556	+	GTGACCTATGCACCAGACGTGCTGGGCGCTCCCCACTTCTCCAGAGGGCAGCTGTGTCCTAGATCGGAAGAGCGGTTCAG
chr1	9781656	9781695	PIK3CD_9557	+	GTGACCTATGCACCAGACGTTTGCCCCAGCCGTTCTGTGGGAATCCCAGCCCCTGAGTCTAGATCGGAAGAGCGGTTCAG
chr1	9781929	9781968	PIK3CD_9558	+	GTGACCTATGCACCAGACGTAGGCCCTGGGGGGCGGGCAGGGGGCGGCCCTGAGCGTCTGAGATCGGAAGAGCGGTTCAG
chr1	9782222	9782261	PIK3CD_9559	+	GTGACCTATGCACCAGACGTGCCCCGCCACAAGGGTTCCTCCCACCCCTGGGAGGCCGGTAGATCGGAAGAGCGGTTCAG
chr1	9782425	9782464	PIK3CD_9560	+	GTGACCTATGCACCAGACGTGGCCTCCCCACACCCCGCCTGTACTGCCCTGGGGGGTCCTAGATCGGAAGAGCGGTTCAG
chr1	9782675	9782714	PIK3CD_9561	+	GTGACCTATGCACCAGACGTCCACCCCACATCGTCCCTTGGTGTCTGTGCCCAGCCTGGGAGATCGGAAGAGCGGTTCAG
chr1	9783361	9783400	PIK3CD_9562	+	GTGACCTATGCACCAGACGTGGCCCAGGGATAGGTTCCCTCTCCTTTCCAAGAGGTGTGGAGATCGGAAGAGCGGTTCAG
chr1	9784161	9784200	PIK3CD_9563	+	GTGACCTATGCACCAGACGTTGGTGCTGGCGGCTGCTGTGGGGACTTGGCTTCTGGCCCCAGATCGGAAGAGCGGTTCAG
chr1	9784490	9784529	PIK3CD_9564	+	GTGACCTATGCACCAGACGTCTGAGCCCCACCAGATGCCCCTCGGTGTGGGGCCCCAGGGAGATCGGAAGAGCGGTTCAG
chr1	9785005	9785044	PIK3CD_9565	+	GTGACCTATGCACCAGACGTGGCAGGAGACTGCTGTCGCCAGTGGACTTCCAAGGCCTGCAGATCGGAAGAGCGGTTCAG
chr1	9787115	9787154	PIK3CD_9566	+	GTGACCTATGCACCAGACGTCAGCCCTGGGCCCAAGAGGAGGCGGCTGCGGGTCGTGGGGAGATCGGAAGAGCGGTTCAG
chr19	18267022	18267061	PIK3R2_9567	+	GTGACCTATGCACCAGACGTAGCAGGGGCCCTGGAAAGGGGGGTGGTCCCCTCAGACCCTAGATCGGAAGAGCGGTTCAG
chr19	18271790	18271829	PIK3R2_9568	+	GTGACCTATGCACCAGACGTGCCTCAATGGGGTTGGGAGGAGGCTGGGGGCCCCAGTACAAGATCGGAAGAGCGGTTCAG
chr19	18272006	18272045	PIK3R2_9569	+	GTGACCTATGCACCAGACGTCGGGTAGCCCGGGGGAAGGAGGGGGCTGTAGCGGGTGGGAAGATCGGAAGAGCGGTTCAG
chr19	18272872	18272911	PIK3R2_9570	+	GTGACCTATGCACCAGACGTTGTATTGCTGTCATTTCTTCCCGTTGGGGGCCGTAAATACAGATCGGAAGAGCGGTTCAG

chr19	18273131	18273170	PIK3R2_9571	+	GTGACCTATGCACCAGACGTGGCAGGGGGCCAGGGACCAAGGAGGTGTCACAGGGTGAGCAGATCGGAAGAGCGGTTCAG
chr19	18273327	18273366	PIK3R2_9572	+	GTGACCTATGCACCAGACGTGTCCCTGCAAGGATAACCGGGGGTCACAGGTCACAGAGACAGATCGGAAGAGCGGTTCAG
chr19	18273968	18274007	PIK3R2_9573	+	GTGACCTATGCACCAGACGTGCCTGGGAGCCAGGGAGGGTAGCACCTGGCTGGCCCCAGGAGATCGGAAGAGCGGTTCAG
chr19	18274209	18274248	PIK3R2_9574	+	GTGACCTATGCACCAGACGTCCCCGTACATGAGGGAAACCGAGACATAGAGGGGCAGTGGAGATCGGAAGAGCGGTTCAG
chr19	18278127	18278166	PIK3R2_9575	+	GTGACCTATGCACCAGACGTGCTCCATACTTCCCTGCGGCTCCCTGGCGACTGCTGCGGCAGATCGGAAGAGCGGTTCAG
chr19	18279717	18279756	PIK3R2_9576	+	GTGACCTATGCACCAGACGTCGCAGCGGTGGGGATTCCCGCGTCCCTCCCAGAGCTCTCAAGATCGGAAGAGCGGTTCAG
chr19	18280115	18280154	PIK3R2_9577	+	GTGACCTATGCACCAGACGTCCCGCCCCAAGCAGAGCCGCCCCTGGGCCCGTCTGCGCCGAGATCGGAAGAGCGGTTCAG
chr7	113520191	113520230	PPP1R3A_9578	+	GTGACCTATGCACCAGACGTAAAAACAACAAAGAAATAATGACCATAAGATCTTTTAAAAAGATCGGAAGAGCGGTTCAG
chr7	113522229	113522268	PPP1R3A_9579	+	GTGACCTATGCACCAGACGTAATATAATTGTGCCTATGTAAGATTGTTTTAATTGTAGACAGATCGGAAGAGCGGTTCAG
chr7	113522386	113522425	PPP1R3A_9580	+	GTGACCTATGCACCAGACGTTAAAAGAAAATGTTATATGTTTTTCTGGGACTGCATCTTCAGATCGGAAGAGCGGTTCAG
chr7	113559062	113559101	PPP1R3A_9581	+	GTGACCTATGCACCAGACGTGATATCAAATAAGAGAGAACTGTACGACTAGTAGAGGCTGAGATCGGAAGAGCGGTTCAG
chr7	113558671	113558710	PPP1R3A_9582	+	GTGACCTATGCACCAGACGTTTTCTGTATTTGGAGTTGTTGCATAAGATCTTCTTTTGAAAGATCGGAAGAGCGGTTCAG
chr7	113518268	113518307	PPP1R3A_9583	+	GTGACCTATGCACCAGACGTATTTCTCTTGTTGAATTACAAATATTTTCTGATTTCGTAGAGATCGGAAGAGCGGTTCAG
chr7	113518748	113518787	PPP1R3A_9584	+	GTGACCTATGCACCAGACGTTCATTGTCATAGATTACACCTACTGTATCTCGTTGACAAAAGATCGGAAGAGCGGTTCAG
chr7	113519228	113519267	PPP1R3A_9585	+	GTGACCTATGCACCAGACGTCCACCTGATTTTTCTTCAACTTGGAAAAGATAATCATTCCAGATCGGAAGAGCGGTTCAG
chr7	113519708	113519747	PPP1R3A_9586	+	GTGACCTATGCACCAGACGTTTTACTTCAATATTTTTAGCTCCTCCTTCATGTTTTTTATAGATCGGAAGAGCGGTTCAG
chr11	111597792	111597831	PPP2R1B_9587	+	GTGACCTATGCACCAGACGTAACAGCATGTTAGCCCGACAGGAAGAGGGGGCCCACTTTCAGATCGGAAGAGCGGTTCAG
chr11	111608304	111608343	PPP2R1B_9588	+	GTGACCTATGCACCAGACGTAGACAGTGGCGCTGTAACTGTCCCTGACCAGGGCACATCCAGATCGGAAGAGCGGTTCAG
chr11	111612347	111612386	PPP2R1B_9589	+	GTGACCTATGCACCAGACGTCCAAACAAAATCAGGTTAGTGGTACAGAAAGTTCACGAACAGATCGGAAGAGCGGTTCAG
chr11	111612879	111612918	PPP2R1B_9590	+	GTGACCTATGCACCAGACGTAAAGTATTATCTGTGAAAGACAGTCTAATGGGCCATAGAAAGATCGGAAGAGCGGTTCAG
chr11	111613400	111613439	PPP2R1B_9591	+	GTGACCTATGCACCAGACGTAAGTAAGATGGCACATTTAAAATACTTTAAAAAATTCCAAAGATCGGAAGAGCGGTTCAG
chr11	111614265	111614304	PPP2R1B_9592	+	GTGACCTATGCACCAGACGTGGTCAAAAACATGTTCTCATATCGCTTATTGTTTTTTAAGAGATCGGAAGAGCGGTTCAG
chr11	111618749	111618788	PPP2R1B_9593	+	GTGACCTATGCACCAGACGTAGAAGATTCCATTAACATACATTGCCAAAATTCAGAAATAAGATCGGAAGAGCGGTTCAG
chr11	111623067	111623106	PPP2R1B_9594	+	GTGACCTATGCACCAGACGTACAAGCCCCAAAAGACCACATTTAAAAATCAAGTACTCTGAGATCGGAAGAGCGGTTCAG
chr11	111624312	111624351	PPP2R1B_9595	+	GTGACCTATGCACCAGACGTATCGAAATTAAAAGCCTTTATTACAAGACAACAGAAACTTAGATCGGAAGAGCGGTTCAG
chr11	111625304	111625343	PPP2R1B_9596	+	GTGACCTATGCACCAGACGTAATAGAAAAAAAGAATGCTTTCACAGGGCCATTTACAAAGAGATCGGAAGAGCGGTTCAG
chr11	111625829	111625868	PPP2R1B_9597	+	GTGACCTATGCACCAGACGTATTTGAACGGGTTTTAATGTATACTAACAAAAGAATTAACAGATCGGAAGAGCGGTTCAG
chr11	111626185	111626224	PPP2R1B_9598	+	GTGACCTATGCACCAGACGTAAAATTTCTGTAATTCAGACATTTACTGAGACCCATGGGGAGATCGGAAGAGCGGTTCAG
chr11	111630686	111630725	PPP2R1B_9599	+	GTGACCTATGCACCAGACGTAAACAATGAAGGTATTTCCCATCAAATAACACTGAATAAAAGATCGGAAGAGCGGTTCAG
chr11	111631786	111631825	PPP2R1B_9600	+	GTGACCTATGCACCAGACGTTAAAAAGGAAAACCAGAGAAGAAAACTTATTGAATCAGGTAGATCGGAAGAGCGGTTCAG
chr11	111635640	111635679	PPP2R1B_9601	+	GTGACCTATGCACCAGACGTCAACAACAGGACTCATCAACATGGATAGCTCTCCCACAGCAGATCGGAAGAGCGGTTCAG
chr11	111636119	111636158	PPP2R1B_9602	+	GTGACCTATGCACCAGACGTGAAAGTAGAAAGAAGAACAATGTAAAGAAACGGCTGAATTAGATCGGAAGAGCGGTTCAG
chr12	70915302	70915341	PTPRB_9603	+	GTGACCTATGCACCAGACGTGAACACTGTAATTAGAGACTGCCGCAGGGTGTGTCATAATAGATCGGAAGAGCGGTTCAG
chr12	70918382	70918421	PTPRB_9604	+	GTGACCTATGCACCAGACGTGCAGAAACATGTCAGAGGAGGGCCTGTTCTCATGCATAAGAGATCGGAAGAGCGGTTCAG
chr12	70925961	70926000	PTPRB_9605	+	GTGACCTATGCACCAGACGTTGGCAAAGGAAGATTGAGCCTTTTTATTAAATTTGCCTTTAGATCGGAAGAGCGGTTCAG
chr12	70928442	70928481	PTPRB_9606	+	GTGACCTATGCACCAGACGTAGAGAGCAGGATAAAAGAGGAACTGTCCAATGCAAACCTTAGATCGGAAGAGCGGTTCAG
chr12	70928746	70928785	PTPRB_9607	+	GTGACCTATGCACCAGACGTACAGACAGAAAAAACATGAGTCCGGAAAAGTGACTCCTTGAGATCGGAAGAGCGGTTCAG
chr12	70929950	70929989	PTPRB_9608	+	GTGACCTATGCACCAGACGTTTTACAATATGGAGAGTCAGAAACAATGGGCCTCTTCAGAAGATCGGAAGAGCGGTTCAG
chr12	70932805	70932844	PTPRB_9609	+	GTGACCTATGCACCAGACGTAAATATGAGTTTGTAAGTGGAGAATATGAAATAGAATAAAAGATCGGAAGAGCGGTTCAG
chr12	70933497	70933536	PTPRB_9610	+	GTGACCTATGCACCAGACGTAAATGAAACAAACAGAAAAGAGTTACTGCAGAAAAGGGAAAGATCGGAAGAGCGGTTCAG
chr12	70933635	70933674	PTPRB_9611	+	GTGACCTATGCACCAGACGTAAGCCAAAAGAGGAAGACTTTGTTAGCAAATTTCACATAAAGATCGGAAGAGCGGTTCAG
chr12	70933813	70933852	PTPRB_9612	+	GTGACCTATGCACCAGACGTAGGGAGATAACTTTTATTCTGATTATGATACTTGGCTTGAAGATCGGAAGAGCGGTTCAG
chr12	70934748	70934787	PTPRB_9613	+	GTGACCTATGCACCAGACGTCCAGATAGAAACAACAAACGCAGGTGGGAAAATTAGTGCTAGATCGGAAGAGCGGTTCAG
chr12	70938454	70938493	PTPRB_9614	+	GTGACCTATGCACCAGACGTAACCGATTTATTTAAATATAAATTAGTTGTTGAACACAGTAGATCGGAAGAGCGGTTCAG
chr12	70946811	70946850	PTPRB_9615	+	GTGACCTATGCACCAGACGTAAACCCACAGTTAAGGACTGCCTTTCTTGTGACTTAGGTGAGATCGGAAGAGCGGTTCAG
chr12	70949100	70949139	PTPRB_9616	+	GTGACCTATGCACCAGACGTAGGTGGGGAAGGAACCAAGAGGGGTCACAACTCTGCTTTCAGATCGGAAGAGCGGTTCAG
chr12	70949939	70949978	PTPRB_9617	+	GTGACCTATGCACCAGACGTCAGAGGAGGCAACACTTTTCAGAACTCAGGGAGAATTTTTAGATCGGAAGAGCGGTTCAG
chr12	70953415	70953454	PTPRB_9618	+	GTGACCTATGCACCAGACGTGAGAAAGTGAAAAATCACATAATCACAGCTATGCCATAACAGATCGGAAGAGCGGTTCAG
chr12	70954725	70954764	PTPRB_9619	+	GTGACCTATGCACCAGACGTAGAAAAATTGTTACTGAGAACAAAACAGAAACACAGGCATAGATCGGAAGAGCGGTTCAG
chr12	70956898	70956937	PTPRB_9620	+	GTGACCTATGCACCAGACGTCGAGGAGCAAGAGAATGAGGGAGGGAAATGCAGTGAGGAGAGATCGGAAGAGCGGTTCAG
chr12	70960495	70960534	PTPRB_9621	+	GTGACCTATGCACCAGACGTACAAGTGGAGCAACAAAATACAGATTTTATCACTTAGGGTAGATCGGAAGAGCGGTTCAG
chr12	70963729	70963768	PTPRB_9622	+	GTGACCTATGCACCAGACGTAAATAAATTTAAAAGTCATCACTTAGAGAATGAACTGTTGAGATCGGAAGAGCGGTTCAG
chr12	70965080	70965119	PTPRB_9623	+	GTGACCTATGCACCAGACGTAAATGAGAAGACATTTCAGGAAAGGAACTGATCAGAGTTTAGATCGGAAGAGCGGTTCAG
chr12	70965878	70965917	PTPRB_9624	+	GTGACCTATGCACCAGACGTAACAGAGAGTAACTAAATATTTATGAATTCTGAGTGAGTAAGATCGGAAGAGCGGTTCAG
chr12	70970436	70970475	PTPRB_9625	+	GTGACCTATGCACCAGACGTGAAAGGTGGGGGGCGGGGGGGGGGGGAAGGGGGATTCAAAGATCGGAAGAGCGGTTCAG
chr12	70975093	70975132	PTPRB_9626	+	GTGACCTATGCACCAGACGTAGACAGAAGAAAAAACAAATGACACTTAGTCACCTTAAGAAGATCGGAAGAGCGGTTCAG
chr12	70981058	70981097	PTPRB_9627	+	GTGACCTATGCACCAGACGTAGCAATGGAGATGGGTCATTGATGGACTGAGGCATATTCAAGATCGGAAGAGCGGTTCAG
chr12	70984024	70984063	PTPRB_9628	+	GTGACCTATGCACCAGACGTAAATGATGTCAAAAAGGAGATATTACAGACCAAAAGTAAGAGATCGGAAGAGCGGTTCAG

chr12	70986336	70986375	PTPRB_9629	+	GTGACCTATGCACCAGACGTAAGAACAGAAAGGAGACTTTTACTCAGGATCTCTCACAAGAGATCGGAAGAGCGGTTCAG
chr12	70988515	70988554	PTPRB_9630	+	GTGACCTATGCACCAGACGTAAAATGCATGTCCAAATGTCATTAATAATTCCCTTATAGGAGATCGGAAGAGCGGTTCAG
chr12	71003130	71003169	PTPRB_9631	+	GTGACCTATGCACCAGACGTATCAGACACAACAGTTTAAGTCCACAGTCTGGACTGCTCAAGATCGGAAGAGCGGTTCAG
chr12	71003605	71003644	PTPRB_9632	+	GTGACCTATGCACCAGACGTAGTTAAGATCCAGAGGAGACCGAGGGGGCTGGACGTGGGAAGATCGGAAGAGCGGTTCAG
chr12	71016437	71016476	PTPRB_9633	+	GTGACCTATGCACCAGACGTGAAAAGATAGTTGCAAAGATTATTCTCATGTTTTATGAATAGATCGGAAGAGCGGTTCAG
chr12	71029857	71029896	PTPRB_9634	+	GTGACCTATGCACCAGACGTAAAAGCTCATAAAGCACTATGTAGCAAATTATGAGGCCCAAGATCGGAAGAGCGGTTCAG
chr12	71031186	71031225	PTPRB_9635	+	GTGACCTATGCACCAGACGTGCAACTGTTCATGCTTCGCTTGGGGAAAAAAAAAATTCTCAGATCGGAAGAGCGGTTCAG
chr6	117622311	117622350	ROS1_9636	+	GTGACCTATGCACCAGACGTGGGGAAAGATGGGAAAGTAAATAGCAATTGGATATAATTAAGATCGGAAGAGCGGTTCAG
chr6	117630102	117630141	ROS1_9637	+	GTGACCTATGCACCAGACGTTAGAGGGTTTGCTTTAATTATACTTATTACAAACACCAGGAGATCGGAAGAGCGGTTCAG
chr6	117638446	117638485	ROS1_9638	+	GTGACCTATGCACCAGACGTGAAAGACACAGGCTGGATGATATGACAGAAGCAGGAGTCCAGATCGGAAGAGCGGTTCAG
chr6	117639426	117639465	ROS1_9639	+	GTGACCTATGCACCAGACGTTAAAAACAAGTCAGGAATCAGTATAGCAGACATTTCTGTGAGATCGGAAGAGCGGTTCAG
chr6	117641204	117641243	ROS1_9640	+	GTGACCTATGCACCAGACGTGCAACATTTTTGTCTCCCCACCCTCCACATATATAGGGTGAGATCGGAAGAGCGGTTCAG
chr6	117642568	117642607	ROS1_9641	+	GTGACCTATGCACCAGACGTAAAAATGACATAATTTACAAAATAAAATATTGCTTCTTTTAGATCGGAAGAGCGGTTCAG
chr6	117645589	117645628	ROS1_9642	+	GTGACCTATGCACCAGACGTAAATCAGAAAAAGAAATTAATTCATAGATAAAAGCTAAGTAGATCGGAAGAGCGGTTCAG
chr6	117647588	117647627	ROS1_9643	+	GTGACCTATGCACCAGACGTTAATAAATACAGAAAATATACATGACAATATACCTGTTATAGATCGGAAGAGCGGTTCAG
chr6	117650620	117650659	ROS1_9644	+	GTGACCTATGCACCAGACGTAAAAAGAAAATATTGGTTGATATGTTTGAAGTATTAATCTAGATCGGAAGAGCGGTTCAG
chr6	117658514	117658553	ROS1_9645	+	GTGACCTATGCACCAGACGTAAGTCTCGATTAATATTTTTGTTTCTCTAAGAAAATATTCAGATCGGAAGAGCGGTTCAG
chr6	117662485	117662524	ROS1_9646	+	GTGACCTATGCACCAGACGTAAAAGAACAATTGCTTAACCTTTTGAGAGCCTTGCACTTGAGATCGGAAGAGCGGTTCAG
chr6	117662806	117662845	ROS1_9647	+	GTGACCTATGCACCAGACGTTAGCAAGGAATGATAAAGGATGCTGCAATAGCACTGAAAGAGATCGGAAGAGCGGTTCAG
chr6	117663718	117663757	ROS1_9648	+	GTGACCTATGCACCAGACGTTTTTTTAAAAATCAACATCTTATTTTTAACATTTTATACAAGATCGGAAGAGCGGTTCAG
chr6	117665436	117665475	ROS1_9649	+	GTGACCTATGCACCAGACGTAAGAAACCAAAAGATTAAATATCTATACTATATATATGAGAGATCGGAAGAGCGGTTCAG
chr6	117674343	117674382	ROS1_9650	+	GTGACCTATGCACCAGACGTCATAAGGAATATAAAGAACAAAATTAATATCTTACATTTTAGATCGGAAGAGCGGTTCAG
chr6	117678089	117678128	ROS1_9651	+	GTGACCTATGCACCAGACGTAAAAAAAGTCCCCCCAACTTAATGAGTAAAATACATCATTAGATCGGAAGAGCGGTTCAG
chr6	117679183	117679222	ROS1_9652	+	GTGACCTATGCACCAGACGTGGTAGAGAACACAGCCAAGAAGAGAGTGGTTATTTTTTTAAGATCGGAAGAGCGGTTCAG
chr6	117681185	117681224	ROS1_9653	+	GTGACCTATGCACCAGACGTAAAAACATGTAGATAATATGCATGAGAAAACTGACTTTAGAGATCGGAAGAGCGGTTCAG
chr6	117681579	117681618	ROS1_9654	+	GTGACCTATGCACCAGACGTGGAAACAAAAATTGCATTCAGTAGTGTTCTCCGTGGCAACAGATCGGAAGAGCGGTTCAG
chr6	117684039	117684078	ROS1_9655	+	GTGACCTATGCACCAGACGTGAGGCACAGGTAGAGCAGAAAAGAATATAAGAATATAAAGAGATCGGAAGAGCGGTTCAG
chr6	117686378	117686417	ROS1_9656	+	GTGACCTATGCACCAGACGTAACAGAAAACATTATTTTCTCAGGGAGAGAATTATAAAATAGATCGGAAGAGCGGTTCAG
chr6	117686915	117686954	ROS1_9657	+	GTGACCTATGCACCAGACGTAAACAAAAAAAAGAAATAGGAGAAAAAAATGGGGATTATTAGATCGGAAGAGCGGTTCAG
chr6	117687464	117687503	ROS1_9658	+	GTGACCTATGCACCAGACGTATAACACCAATTAGTGTGTGTTTCTGGAGTGGTGGAAGGGAGATCGGAAGAGCGGTTCAG
chr6	117700333	117700372	ROS1_9659	+	GTGACCTATGCACCAGACGTAGTAAGGTAAGAAAATAAACCAAATACATGTTTGAAGCATAGATCGGAAGAGCGGTTCAG
chr6	117704682	117704721	ROS1_9660	+	GTGACCTATGCACCAGACGTTAATTGTATGGCCAGTTAATGGCTTTCAAGTGACATTATTAGATCGGAAGAGCGGTTCAG
chr6	117707035	117707074	ROS1_9661	+	GTGACCTATGCACCAGACGTAGTGAATGATTAGCAGTTATTTTTCATACATACCAACAAAAGATCGGAAGAGCGGTTCAG
chr6	117708173	117708212	ROS1_9662	+	GTGACCTATGCACCAGACGTAAAAAGAAATTAAAAGAAACATCAGGGAAAGCAAACTCTTAGATCGGAAGAGCGGTTCAG
chr6	117709208	117709247	ROS1_9663	+	GTGACCTATGCACCAGACGTAAACCAAGGATTCTCCATAAATTCACCTACAGCCTCATCTAGATCGGAAGAGCGGTTCAG
chr6	117711020	117711059	ROS1_9664	+	GTGACCTATGCACCAGACGTAACAAAAGAAACCTCATGAGATTCAGTCCAAAGGTTGATGAGATCGGAAGAGCGGTTCAG
chr6	117714495	117714534	ROS1_9665	+	GTGACCTATGCACCAGACGTAAAAAATATACCGGTAGGATTAGCATCTGTCTATACAGCAAGATCGGAAGAGCGGTTCAG
chr6	117715520	117715559	ROS1_9666	+	GTGACCTATGCACCAGACGTCATGCAAGTGCACACACATTATTATATAACAACCAGGACAAGATCGGAAGAGCGGTTCAG
chr6	117715912	117715951	ROS1_9667	+	GTGACCTATGCACCAGACGTCAACACAATTTGCAGACAGGTAGACCAACCACAGGTACACAGATCGGAAGAGCGGTTCAG
chr6	117717438	117717477	ROS1_9668	+	GTGACCTATGCACCAGACGTAACAATTTGGAGAGACGTGTTTCACATGGCATGGTGTGAAAGATCGGAAGAGCGGTTCAG
chr6	117718290	117718329	ROS1_9669	+	GTGACCTATGCACCAGACGTTAATGGTGACATAATGAGCAGAAAAATGTGCAAGCATGATAGATCGGAAGAGCGGTTCAG
chr6	117724451	117724490	ROS1_9670	+	GTGACCTATGCACCAGACGTGAGTGATCAATCATCAGCATTATAGAATCAGCACCCCACAAGATCGGAAGAGCGGTTCAG
chr6	117725602	117725641	ROS1_9671	+	GTGACCTATGCACCAGACGTAACAAGATTTCACTCACCACGCACTCCTGTCCATCAGCGCAGATCGGAAGAGCGGTTCAG
chr6	117730816	117730855	ROS1_9672	+	GTGACCTATGCACCAGACGTCAGGGAGCATGACAGTCAGGGCAGCCTTGATACTGGTTTTAGATCGGAAGAGCGGTTCAG
chr6	117737491	117737530	ROS1_9673	+	GTGACCTATGCACCAGACGTCAATAACAGACAATGGTGAGTGATTGAAGAAATGTGACTTAGATCGGAAGAGCGGTTCAG
chr6	117739680	117739719	ROS1_9674	+	GTGACCTATGCACCAGACGTGAAGGAGGTAGTAAACACCAGCCATCAGTACTGGGTTCCGAGATCGGAAGAGCGGTTCAG
chr6	117746830	117746869	ROS1_9675	+	GTGACCTATGCACCAGACGTATGGCAGATTTTTAGATGGCCGGTCTAATTTTCTCCATTTAGATCGGAAGAGCGGTTCAG
chr6	166826386	166826425	RPS6KA2_9676	+	GTGACCTATGCACCAGACGTGAAGACAAGGGTGAGAGCCGCGGCGCCTCACTCCAGGGGTAGATCGGAAGAGCGGTTCAG
chr6	166827430	166827469	RPS6KA2_9677	+	GTGACCTATGCACCAGACGTAGGTCATGAGAGTCGGGGGGATGGTTGGATCATTTGTGCTAGATCGGAAGAGCGGTTCAG
chr6	166831841	166831880	RPS6KA2_9678	+	GTGACCTATGCACCAGACGTAGACAAATTTGTGGTAATGAGCTTGTATTTTACAACCTAAAGATCGGAAGAGCGGTTCAG
chr6	166833457	166833496	RPS6KA2_9679	+	GTGACCTATGCACCAGACGTACGACAGGACACCGGCACGCCCTTCACTAAGGACATTCAGAGATCGGAAGAGCGGTTCAG
chr6	166836916	166836955	RPS6KA2_9680	+	GTGACCTATGCACCAGACGTGAAGGCACAGTGCCTACTTGGGGGCTGAGGACTGAGCAGGAGATCGGAAGAGCGGTTCAG
chr6	166844110	166844149	RPS6KA2_9681	+	GTGACCTATGCACCAGACGTGAGAAGGGGCGCACACGTCACCACGGCTGGTTGCTGTGAAAGATCGGAAGAGCGGTTCAG
chr6	166845989	166846028	RPS6KA2_9682	+	GTGACCTATGCACCAGACGTCACAGCACATGGCAGTGAGGGGTCTACTTTAGGCTTTCGGAGATCGGAAGAGCGGTTCAG
chr6	166862348	166862387	RPS6KA2_9683	+	GTGACCTATGCACCAGACGTACCAAGAGAAGAAGAGTTGTCGGAACCCTCACACGAGGGGAGATCGGAAGAGCGGTTCAG
chr6	166864732	166864771	RPS6KA2_9684	+	GTGACCTATGCACCAGACGTCAGGGGCAGAGTTCAGATGCCACGAAAGCTGGGTGACCCTAGATCGGAAGAGCGGTTCAG
chr6	166873050	166873089	RPS6KA2_9685	+	GTGACCTATGCACCAGACGTAAGGAAAGCAAGACAGGGCACTGAGGATGCACAGACATTGAGATCGGAAGAGCGGTTCAG
chr6	166883404	166883443	RPS6KA2_9686	+	GTGACCTATGCACCAGACGTCACAGAAATGATCATCAGAACAAATCCAAGATGGGGTTCTAGATCGGAAGAGCGGTTCAG

chr6	166902420	166902459	RPS6KA2_9687	+	GTGACCTATGCACCAGACGTAGATCCTATTTTAGGATCTATTTTAGGAGAACAAGGACAAAGATCGGAAGAGCGGTTCAG
chr6	166904240	166904279	RPS6KA2_9688	+	GTGACCTATGCACCAGACGTACACAGAGCACAGTGAGTTCATTCATCCAGATGGACCCGGAGATCGGAAGAGCGGTTCAG
chr6	166912149	166912188	RPS6KA2_9689	+	GTGACCTATGCACCAGACGTACACAGCACACACACTGCCTCAGTCTCTGGGTGTGTTCGGAGATCGGAAGAGCGGTTCAG
chr6	166914423	166914462	RPS6KA2_9690	+	GTGACCTATGCACCAGACGTGGGAGAGAAAACAGATGCTTTAGAAAGAGACCCAGCCTGCAGATCGGAAGAGCGGTTCAG
chr6	166921781	166921820	RPS6KA2_9691	+	GTGACCTATGCACCAGACGTCAGAGACCCGCATTTTGACAGCTTGTCGAATGTCCTGTGGAGATCGGAAGAGCGGTTCAG
chr6	166923856	166923895	RPS6KA2_9692	+	GTGACCTATGCACCAGACGTAAAAGATAAAGGCTTTCATGAGGCAGGAAATAAGAGTTCTAGATCGGAAGAGCGGTTCAG
chr6	166944812	166944851	RPS6KA2_9693	+	GTGACCTATGCACCAGACGTGAAAACGGAACATCAGAAACCCGTAAGACTTCAAACTCGCAGATCGGAAGAGCGGTTCAG
chr6	166952283	166952322	RPS6KA2_9694	+	GTGACCTATGCACCAGACGTGCGGCACGGGTGAGAAACACACCGCGAGGAGTCCCTCAGAAGATCGGAAGAGCGGTTCAG
chr6	167040518	167040557	RPS6KA2_9695	+	GTGACCTATGCACCAGACGTCCAGCCCGGAGCAGCCGCAGGGCCGGGGGACGCGCATCCCAGATCGGAAGAGCGGTTCAG
chr6	167271758	167271797	RPS6KA2_9696	+	GTGACCTATGCACCAGACGTAGATAGATGTTAAAGATGGTTAGCATTGCCATGTGTTTGTAGATCGGAAGAGCGGTTCAG
chr6	167275669	167275708	RPS6KA2_9697	+	GTGACCTATGCACCAGACGTTCCTTTTCTGCTGGTCGAGTATTGATAGTAGGAAAGGAAAAGATCGGAAGAGCGGTTCAG
chr1	17345464	17345503	SDHB_9698	+	GTGACCTATGCACCAGACGTGAGAAAAGAATCAATAACAAATGATAACTGAAACTGAAAGAGATCGGAAGAGCGGTTCAG
chr1	17349236	17349275	SDHB_9699	+	GTGACCTATGCACCAGACGTAGGGATGATTAGCTGAGCTGCCAATCAACAGGCCAGAGCGAGATCGGAAGAGCGGTTCAG
chr1	17350580	17350619	SDHB_9700	+	GTGACCTATGCACCAGACGTAGAAAAGAGAGGCAGGAGCTTGTGACGGGAGAGACTCTGCAGATCGGAAGAGCGGTTCAG
chr1	17355242	17355281	SDHB_9701	+	GTGACCTATGCACCAGACGTCACACATTTAACACATCCTCACCCATATCCGGAATCAGTCAGATCGGAAGAGCGGTTCAG
chr1	17359651	17359690	SDHB_9702	+	GTGACCTATGCACCAGACGTAAAATATCCAGTGGTATTTATGTAACGTTCAACCTCCCTAAGATCGGAAGAGCGGTTCAG
chr1	17371394	17371433	SDHB_9703	+	GTGACCTATGCACCAGACGTTTAAAGTTCACAAAAAGGAAAAAAAAATTAGAAATACAAGAGATCGGAAGAGCGGTTCAG
chr1	17380525	17380564	SDHB_9704	+	GTGACCTATGCACCAGACGTGACGTCAGCCCCACCCCTTAACCCCGAGGTCGCTCTCCGCAGATCGGAAGAGCGGTTCAG
chr12	53775608	53775647	SP1_9705	+	GTGACCTATGCACCAGACGTATCATAGAGTGGGGAAGGTGTTGAGAAGATGTAAATATTCAGATCGGAAGAGCGGTTCAG
chr12	53777417	53777456	SP1_9706	+	GTGACCTATGCACCAGACGTCAATCTTGTGCATTTATTGGGAACCAACTCTAGCATCGTAAGATCGGAAGAGCGGTTCAG
chr12	53800548	53800587	SP1_9707	+	GTGACCTATGCACCAGACGTCCAGCCAGTTTCTTACAAATATAAAGAAAAATTAATAGATAGATCGGAAGAGCGGTTCAG
chr12	53803356	53803395	SP1_9708	+	GTGACCTATGCACCAGACGTGCCTATGGGAGAGAAAAATAGTAATAGACTAGAATGAAAAAGATCGGAAGAGCGGTTCAG
chr12	53805035	53805074	SP1_9709	+	GTGACCTATGCACCAGACGTCCGGGGCCAGAGACATATGGGCCATACCCCTTAACCCCGGAGATCGGAAGAGCGGTTCAG
chr12	53776282	53776321	SP1_9710	+	GTGACCTATGCACCAGACGTGGCAACAGCTGCAGTTTGCTGCCACTGGGGCCCAAGTGCAAGATCGGAAGAGCGGTTCAG
chr12	53776660	53776699	SP1_9711	+	GTGACCTATGCACCAGACGTTGGTATCATCACAAGCCAGTTCCAGCTCCTTTTTCACCAAAGATCGGAAGAGCGGTTCAG
chr12	53777038	53777077	SP1_9712	+	GTGACCTATGCACCAGACGTAGAACCTCCAGCTTCAGGCTGTTCCAAACTCTGGTCCCATAGATCGGAAGAGCGGTTCAG
chr15	39874136	39874175	THBS1_9713	+	GTGACCTATGCACCAGACGTGTGGCACCTTTAGGGGAAGGAGGGACAAGGAAGAGGTGCTAGATCGGAAGAGCGGTTCAG
chr15	39874964	39875003	THBS1_9714	+	GTGACCTATGCACCAGACGTTTCTCTGAGCCCTGCTCCGTGGGATCATCTGCTAGACAGGAGATCGGAAGAGCGGTTCAG
chr15	39875904	39875943	THBS1_9715	+	GTGACCTATGCACCAGACGTCTCTATTTTTAGGGCACATAGGGAATCAGGGGGAATTCCAAGATCGGAAGAGCGGTTCAG
chr15	39876399	39876438	THBS1_9716	+	GTGACCTATGCACCAGACGTTCTGCACCCAGCCCGTTAGCATGAACCCTGGAAGGTTTATAGATCGGAAGAGCGGTTCAG
chr15	39876634	39876673	THBS1_9717	+	GTGACCTATGCACCAGACGTTTCACCAGCCAGAATAAGAATCGACGGCTTTTGTTTGAACAGATCGGAAGAGCGGTTCAG
chr15	39877775	39877814	THBS1_9718	+	GTGACCTATGCACCAGACGTCAAATGGCATAGCTATTCTTCAGTGACTAGGTCAGTTCTAAGATCGGAAGAGCGGTTCAG
chr15	39879732	39879771	THBS1_9719	+	GTGACCTATGCACCAGACGTTAGCCTCTCAGGGACGTGGAGAACTGACCTGTCCTTGTTGAGATCGGAAGAGCGGTTCAG
chr15	39880430	39880469	THBS1_9720	+	GTGACCTATGCACCAGACGTGGTCCGCTGCAAGGGTGAGCATGGGCAGCAGCTCTGCCCAAGATCGGAAGAGCGGTTCAG
chr15	39880911	39880950	THBS1_9721	+	GTGACCTATGCACCAGACGTCAGCCCAGGATGAAACGACCCAGGAGCTTTGCTCTTTTACAGATCGGAAGAGCGGTTCAG
chr15	39881298	39881337	THBS1_9722	+	GTGACCTATGCACCAGACGTGATGGGGCTCCGAGTTTCTGGATCTAGGAAAGCAGCTAACAGATCGGAAGAGCGGTTCAG
chr15	39881566	39881605	THBS1_9723	+	GTGACCTATGCACCAGACGTCTAGACGAGTAAACCAGAGGACAGGAGAGCTGTCCTTGACAGATCGGAAGAGCGGTTCAG
chr15	39882235	39882274	THBS1_9724	+	GTGACCTATGCACCAGACGTGTCCTTTGTGTGCCTCCAGAAAGAGGGCCCATCACCTTATAGATCGGAAGAGCGGTTCAG
chr15	39882835	39882874	THBS1_9725	+	GTGACCTATGCACCAGACGTTTTTCTATCCCTTTTTCATCTTTTCAGTTCAGCAACAGCCAGATCGGAAGAGCGGTTCAG
chr15	39883562	39883601	THBS1_9726	+	GTGACCTATGCACCAGACGTGCCTGATCAGAGGGCCCGCGGGAGACAGGGACATGCACAGAGATCGGAAGAGCGGTTCAG
chr15	39883835	39883874	THBS1_9727	+	GTGACCTATGCACCAGACGTGGACTCCTTTCAGAGTCTTTCAGTAAACTGTTGGAATATCAGATCGGAAGAGCGGTTCAG
chr15	39885014	39885053	THBS1_9728	+	GTGACCTATGCACCAGACGTGGAGCCACTTTCTAAGACAGGGACTGCTGGCACAGCTGTGAGATCGGAAGAGCGGTTCAG
chr15	39885439	39885478	THBS1_9729	+	GTGACCTATGCACCAGACGTAGTTCTTAGATCCTAAGAGACTGATGCATACATGGGGAAAAGATCGGAAGAGCGGTTCAG
chr15	39885880	39885919	THBS1_9730	+	GTGACCTATGCACCAGACGTAAGCCCTGGAACAGAGAGAGAGCTTATGGGTGCCTGACTAAGATCGGAAGAGCGGTTCAG
chr15	39886408	39886447	THBS1_9731	+	GTGACCTATGCACCAGACGTACTGATTCACTTTCACTTACAGTCACACTGAGGGACAAAAAGATCGGAAGAGCGGTTCAG
chr15	39886652	39886691	THBS1_9732	+	GTGACCTATGCACCAGACGTCATCACCATGAATGTACACTGGACATCTCTATTTCAGACTAGATCGGAAGAGCGGTTCAG
chr15	39887581	39887620	THBS1_9733	+	GTGACCTATGCACCAGACGTGTTGATTGAAAGACTGATCATAAACCAATGCTGGTATTGCAGATCGGAAGAGCGGTTCAG
chr15	39874684	39874723	THBS1_9734	+	GTGACCTATGCACCAGACGTGTGTCCAATGGCAAGGCGGGCACCCTGGACCTCAGCCTGAAGATCGGAAGAGCGGTTCAG
chr1	3599005	3599044	TP73_9735	+	GTGACCTATGCACCAGACGTTTGGCTGGCCAGAGCTGGGGGCCCCCCTGGGAGGCACTCTAGATCGGAAGAGCGGTTCAG
chr1	3599755	3599794	TP73_9736	+	GTGACCTATGCACCAGACGTGGGCTGCCCTCTGCAAGAGGACTGGAGTGGGGACAACAAAAGATCGGAAGAGCGGTTCAG
chr1	3607519	3607558	TP73_9737	+	GTGACCTATGCACCAGACGTCGCGCCATTCATAGGATCTCTTCGGGGACTTTGCGGGGGAAGATCGGAAGAGCGGTTCAG
chr1	3638782	3638821	TP73_9738	+	GTGACCTATGCACCAGACGTCCAGCTCCTCTGCCCACGGTGGCACTTTGCCCAGCATCCCAGATCGGAAGAGCGGTTCAG
chr1	3640044	3640083	TP73_9739	+	GTGACCTATGCACCAGACGTAGCCAGGCTGTGCCCAGGGCCCTGCAGTCAGCTGTACGGGAGATCGGAAGAGCGGTTCAG
chr1	3643799	3643838	TP73_9740	+	GTGACCTATGCACCAGACGTGGCACACGGGGTGGAGGTGGGACAGGGCTGGGCAGGCACGAGATCGGAAGAGCGGTTCAG
chr1	3644345	3644384	TP73_9741	+	GTGACCTATGCACCAGACGTGGCCAGGGGAACTGGACGCGTGTGGGAGGAGAAGGGGACAAGATCGGAAGAGCGGTTCAG
chr1	3644792	3644831	TP73_9742	+	GTGACCTATGCACCAGACGTGCTCCTGCACGGCAGCCGGGAGACCTGCCTCACCTCTGTCAGATCGGAAGAGCGGTTCAG
chr1	3646023	3646062	TP73_9743	+	GTGACCTATGCACCAGACGTCCTAGCCCACCATCAGTGTGGGGAAGGAGGACATGGCTTAAGATCGGAAGAGCGGTTCAG
chr1	3646723	3646762	TP73_9744	+	GTGACCTATGCACCAGACGTTGGGCAGTGCGGGCCCACGGGCAGGGCGGGGAGGCCCACTAGATCGGAAGAGCGGTTCAG

chr1	3647640	3647679	TP73_9745	+	GTGACCTATGCACCAGACGTTGCCGAGGGCCTGAGCATGTGCTGTCACCCTGTCTGTTCAAGATCGGAAGAGCGGTTCAG
chr1	3648130	3648169	TP73_9746	+	GTGACCTATGCACCAGACGTGGGTGGACCCCGCTCTGCAGAGGCAGTAGCTGGAGGGGCCAGATCGGAAGAGCGGTTCAG
chr1	3648131	3648170	TP73_9747	+	GTGACCTATGCACCAGACGTGGTGGACCCCGCTCTGCAGAGGCAGTAGCTGGAGGGGCCCAGATCGGAAGAGCGGTTCAG
chr1	3649337	3649376	TP73_9748	+	GTGACCTATGCACCAGACGTGCAGTACCGCATGACCATCTGGCGGGGCCTGCAGGACCTGAGATCGGAAGAGCGGTTCAG
chr1	3649654	3649693	TP73_9749	+	GTGACCTATGCACCAGACGTTGGCTGCAGCCTGCGCCACCGCCCAGAGACCCAAGCTGCCAGATCGGAAGAGCGGTTCAG
chr12	121746505	121746544	ANAPC5_9750	+	GTGACCTATGCACCAGACGTGGGGAAAATAACACACACATTTAACTCAACCCTTCACGTAAGATCGGAAGAGCGGTTCAG
chr12	121747677	121747716	ANAPC5_9751	+	GTGACCTATGCACCAGACGTAACATCATGGCACTGTACATACCCAAACCCACTGCCCTTCAGATCGGAAGAGCGGTTCAG
chr12	121756238	121756277	ANAPC5_9752	+	GTGACCTATGCACCAGACGTAGAGGAAAACACAGGATGAGAAGATCCACCACCACATCTCAGATCGGAAGAGCGGTTCAG
chr12	121756422	121756461	ANAPC5_9753	+	GTGACCTATGCACCAGACGTATCAAAATGAACACAAGTGTTTTAACTAGTCACTTTGAGGAGATCGGAAGAGCGGTTCAG
chr12	121757632	121757671	ANAPC5_9754	+	GTGACCTATGCACCAGACGTAAAAAAACACAATTAAGTACAAAATGGCGAATGTTCATCTAGATCGGAAGAGCGGTTCAG
chr12	121758273	121758312	ANAPC5_9755	+	GTGACCTATGCACCAGACGTAACACACAATTTGATCAGCATAACCTGTGTTGAATCCACAAGATCGGAAGAGCGGTTCAG
chr12	121765045	121765084	ANAPC5_9756	+	GTGACCTATGCACCAGACGTAGAGGGAACAGGATTTCCTTTCAGCAGCAGACCTGGCTGCAGATCGGAAGAGCGGTTCAG
chr12	121766272	121766311	ANAPC5_9757	+	GTGACCTATGCACCAGACGTAGGGACTGTATTCCCAGGGAGGCGAGGTACTAAGGGGACAAGATCGGAAGAGCGGTTCAG
chr12	121766311	121766350	ANAPC5_9758	+	GTGACCTATGCACCAGACGTAGATATACCCACGACCCAAGATAGAGATTACATGACAGAAAGATCGGAAGAGCGGTTCAG
chr12	121768486	121768525	ANAPC5_9759	+	GTGACCTATGCACCAGACGTAAATCATCAAAATATATCATAACAGTGGCAATGGCTGATGAGATCGGAAGAGCGGTTCAG
chr12	121769242	121769281	ANAPC5_9760	+	GTGACCTATGCACCAGACGTACTAAACATTAATATCCCATTAATAATCACAAACATGCATAGATCGGAAGAGCGGTTCAG
chr12	121773537	121773576	ANAPC5_9761	+	GTGACCTATGCACCAGACGTAAATAATCAATGTATTTTAAACGCTGTAAATATCTCTGGTAGATCGGAAGAGCGGTTCAG
chr12	121775206	121775245	ANAPC5_9762	+	GTGACCTATGCACCAGACGTAAAATGGTAACTCAGTAGAAAGAAAGGGTCAATAAACATAAGATCGGAAGAGCGGTTCAG
chr12	121779883	121779922	ANAPC5_9763	+	GTGACCTATGCACCAGACGTTAAAAAAACAAAAATAGTAAAGAATTACACAAAAGTAAAAGATCGGAAGAGCGGTTCAG
chr12	121783845	121783884	ANAPC5_9764	+	GTGACCTATGCACCAGACGTAGACGAGAGACAAGGGGAAAGCATTAACTGACATCCAGGCAGATCGGAAGAGCGGTTCAG
chr12	121784809	121784848	ANAPC5_9765	+	GTGACCTATGCACCAGACGTCTGAATGAGAAAATCGAGGTGCATATTTTAGAAAGGCCCTAGATCGGAAGAGCGGTTCAG
chr12	121784819	121784858	ANAPC5_9766	+	GTGACCTATGCACCAGACGTAAATCGAGGTGCATATTTTAGAAAGGCCCTTTGAATAATTAGATCGGAAGAGCGGTTCAG
chr12	121785695	121785734	ANAPC5_9767	+	GTGACCTATGCACCAGACGTGAGAGATAGGGAGGTATGGATTTTAAAGAGCTGGAGACTGAGATCGGAAGAGCGGTTCAG
chr12	121790154	121790193	ANAPC5_9768	+	GTGACCTATGCACCAGACGTGACTAAGTCTCGGGCCCGCGGCGCGCTGCCGCCAGTTGTCAGATCGGAAGAGCGGTTCAG
chr3	142168455	142168494	ATR_9769	+	GTGACCTATGCACCAGACGTGAAACATAAAACCAAAAACAGATGTTAATAATTTGGAATTAGATCGGAAGAGCGGTTCAG
chr3	142172086	142172125	ATR_9770	+	GTGACCTATGCACCAGACGTAACAAATATTATGGTATGATGTTATCTTTGCAAGAAGAAAAGATCGGAAGAGCGGTTCAG
chr3	142176608	142176647	ATR_9771	+	GTGACCTATGCACCAGACGTATACATTTTATTACAAACTAACAATGTTAGAATTTAAAAAAGATCGGAAGAGCGGTTCAG
chr3	142178236	142178275	ATR_9772	+	GTGACCTATGCACCAGACGTGAGTGATATCCATTAATCACATCAGCCAAATGAAAAAAGGAGATCGGAAGAGCGGTTCAG
chr3	142180943	142180982	ATR_9773	+	GTGACCTATGCACCAGACGTATACACATAAATTTAAAAACAAGATAGAACTCAAAATTTCAGATCGGAAGAGCGGTTCAG
chr3	142184093	142184132	ATR_9774	+	GTGACCTATGCACCAGACGTATGAGTTATATATGAATTAGGGCCAAAAATTTCTGTGTAAAGATCGGAAGAGCGGTTCAG
chr3	142185386	142185425	ATR_9775	+	GTGACCTATGCACCAGACGTAAATAGTGCATTTTAATTTGTTTTTACCTTAAATTCCACTAGATCGGAAGAGCGGTTCAG
chr3	142186921	142186960	ATR_9776	+	GTGACCTATGCACCAGACGTAAAGAGTTAAATGTCATAAAAAAGAGTTTATACAGGATTTAGATCGGAAGAGCGGTTCAG
chr3	142188422	142188461	ATR_9777	+	GTGACCTATGCACCAGACGTAAATAAGTTTAAAAAACAATAAAGGAAAGAGAAAAATCAGAGATCGGAAGAGCGGTTCAG
chr3	142189036	142189075	ATR_9778	+	GTGACCTATGCACCAGACGTATAGACAAGAAACACTATTAGCATAGCTGTCATTTTTATAAGATCGGAAGAGCGGTTCAG
chr3	142204135	142204174	ATR_9779	+	GTGACCTATGCACCAGACGTGAACATAGGATACCTACCTAAGGAAATCCCACGCTATGCTAGATCGGAAGAGCGGTTCAG
chr3	142212164	142212203	ATR_9780	+	GTGACCTATGCACCAGACGTAAAGGCAACAATAAGCCTTTTAATTTAAAAACATACTTCTAGATCGGAAGAGCGGTTCAG
chr3	142215373	142215412	ATR_9781	+	GTGACCTATGCACCAGACGTTAACAACACATTGGTGAGAGAGACCATTGGTAAGTGTACAAGATCGGAAGAGCGGTTCAG
chr3	142216045	142216084	ATR_9782	+	GTGACCTATGCACCAGACGTATAGAGCCTATGTTAAAATGTTATCATATTCAGCCTTATTAGATCGGAAGAGCGGTTCAG
chr3	142217627	142217666	ATR_9783	+	GTGACCTATGCACCAGACGTAATGAAGAGTCAAGAAATGTCACGGTAGCTGGGTCCAAGAAGATCGGAAGAGCGGTTCAG
chr3	142218571	142218610	ATR_9784	+	GTGACCTATGCACCAGACGTAAACCCATATCAACTAAACTTTAATTTATTTAAGGTGACAAGATCGGAAGAGCGGTTCAG
chr3	142224156	142224195	ATR_9785	+	GTGACCTATGCACCAGACGTTGATTAAAAAACAATCAAAAACAAGAAAAAAACACAACTGAGATCGGAAGAGCGGTTCAG
chr3	142226962	142227001	ATR_9786	+	GTGACCTATGCACCAGACGTAAAAAAGTTGAGTAATTAAAGACTTATAAGATAAAATTTAAGATCGGAAGAGCGGTTCAG
chr3	142232491	142232530	ATR_9787	+	GTGACCTATGCACCAGACGTAAAATGTGTAGACAGTAACACACTTTCACATATTGATTAAAGATCGGAAGAGCGGTTCAG
chr3	142234368	142234407	ATR_9788	+	GTGACCTATGCACCAGACGTGAAAATTTGTTTATTAAAAAGATAAATCCACCTGTTTAGAAGATCGGAAGAGCGGTTCAG
chr3	142238637	142238676	ATR_9789	+	GTGACCTATGCACCAGACGTATATTTTACATTTGTAAGTCCACAGTGAAGCAGATAACGCAGATCGGAAGAGCGGTTCAG
chr3	142241694	142241733	ATR_9790	+	GTGACCTATGCACCAGACGTAAAAAAAAAAAGAAAATTCCAGGATAACTGCTATAAATTTAGATCGGAAGAGCGGTTCAG
chr3	142243052	142243091	ATR_9791	+	GTGACCTATGCACCAGACGTAGTAGAAAGAAAATTTATACGTAATTTCTACAAACTAGTAAGATCGGAAGAGCGGTTCAG
chr3	142254058	142254097	ATR_9792	+	GTGACCTATGCACCAGACGTAGCACAGAGAGACAGAACTTATTAATCAACTATTTTAACAAGATCGGAAGAGCGGTTCAG
chr3	142255054	142255093	ATR_9793	+	GTGACCTATGCACCAGACGTGTTGGAATAAAAAGAATTATTTGCCAAGAATATGAATACTAGATCGGAAGAGCGGTTCAG
chr3	142259887	142259926	ATR_9794	+	GTGACCTATGCACCAGACGTAAGTAGTGCTTCAGAGTAAAGCTTATAAACATGCTGCCAGAGATCGGAAGAGCGGTTCAG
chr3	142261610	142261649	ATR_9795	+	GTGACCTATGCACCAGACGTAAAACAGATAATATGTAAGCTTTATACAGATTGAATTTCTAGATCGGAAGAGCGGTTCAG
chr3	142266763	142266802	ATR_9796	+	GTGACCTATGCACCAGACGTGACATGTTAAAAAAAATTTTTTTCTTCATACTAATATCCTAGATCGGAAGAGCGGTTCAG
chr3	142268526	142268565	ATR_9797	+	GTGACCTATGCACCAGACGTATGCAACAATTACCAAAAAGTACATTTGTCTGGGTGAAAAAGATCGGAAGAGCGGTTCAG
chr3	142272593	142272632	ATR_9798	+	GTGACCTATGCACCAGACGTAAAATTAACTGGTTAAAGAAATTTTTAGAGCTAGGTTGACAGATCGGAAGAGCGGTTCAG
chr3	142272868	142272907	ATR_9799	+	GTGACCTATGCACCAGACGTAGAGTATACAATACCTAATTTAACATATTAAATGTCAAGGAGATCGGAAGAGCGGTTCAG
chr3	142274992	142275031	ATR_9800	+	GTGACCTATGCACCAGACGTAAAAGAAAAAGTACTAAACTTTCTTGCCTAATTTTGTGGTAGATCGGAAGAGCGGTTCAG
chr3	142277629	142277668	ATR_9801	+	GTGACCTATGCACCAGACGTACAAAATAAGTCATTAATTATAACTTTTCCTTAATCATATAGATCGGAAGAGCGGTTCAG
chr3	142278294	142278333	ATR_9802	+	GTGACCTATGCACCAGACGTTACATTTTGTTAAAAACATTGGAATTAAGATGAATTTTGTAGATCGGAAGAGCGGTTCAG

chr3	142279307	142279346	ATR_9803	+	GTGACCTATGCACCAGACGTGAATATAGTAGAGAGATATTCATATGCAATATAAATTTGGAGATCGGAAGAGCGGTTCAG
chr3	142280274	142280313	ATR_9804	+	GTGACCTATGCACCAGACGTAAAAAATAATTTCCAGAAATATTCCTTAGAAAATATATTTAGATCGGAAGAGCGGTTCAG
chr3	142281962	142282001	ATR_9805	+	GTGACCTATGCACCAGACGTAACAAAAAAGATATTAAATAAACAAGTATATCCGAAGTGCAGATCGGAAGAGCGGTTCAG
chr3	142285114	142285153	ATR_9806	+	GTGACCTATGCACCAGACGTAAGATTCATTTTAAAGAGTCATGACAAATTAAACAATGGTAGATCGGAAGAGCGGTTCAG
chr3	142287007	142287046	ATR_9807	+	GTGACCTATGCACCAGACGTAATTAAAAGCTTTTAATCCTTAAAGTGACTCAGTTTCATTAGATCGGAAGAGCGGTTCAG
chr3	142297557	142297596	ATR_9808	+	GTGACCTATGCACCAGACGTCGAGGCACTAGTCAACCACGCCAACGCGGGTTCCCGGCGTAGATCGGAAGAGCGGTTCAG
chr3	142281523	142281562	ATR_9809	+	GTGACCTATGCACCAGACGTTACCATACTCTAGCAGAACACAACCTATCTGCCAAAGTAAAGATCGGAAGAGCGGTTCAG
chr19	45252314	45252353	BCL3_9810	+	GTGACCTATGCACCAGACGTCCCGAGGGTCCGGGCCGGGTGGGATCCACACAGAGCATAGAGATCGGAAGAGCGGTTCAG
chr19	45254648	45254687	BCL3_9811	+	GTGACCTATGCACCAGACGTGTCCCCTATTAAGGGGAGGGGTGGTTGGGAAGACCAGCCGAGATCGGAAGAGCGGTTCAG
chr19	45260489	45260528	BCL3_9812	+	GTGACCTATGCACCAGACGTACCGCGGGGCACCGCTGGGCTGTCCAGCGGACCTGGAGTCAGATCGGAAGAGCGGTTCAG
chr19	45260683	45260722	BCL3_9813	+	GTGACCTATGCACCAGACGTACTAGGAGCTGGGAGGGAGCGGGGCCTTAGCAGGGGCGGGAGATCGGAAGAGCGGTTCAG
chr19	45260991	45261030	BCL3_9814	+	GTGACCTATGCACCAGACGTCCCCCCTGAGCCTCGCGCCCACCCTATCCTCTGACCCCAAAGATCGGAAGAGCGGTTCAG
chr19	45261681	45261720	BCL3_9815	+	GTGACCTATGCACCAGACGTGCAGCTGTGGACATGCCCCTTGCACACGTGTGTCCGCGGGAGATCGGAAGAGCGGTTCAG
chr19	45262883	45262922	BCL3_9816	+	GTGACCTATGCACCAGACGTGGGGCAGATCTTGGACTCATGAGGAGGGGCCCCCCTGCCCAGATCGGAAGAGCGGTTCAG
chr2	32582565	32582604	BIRC6_9817	+	GTGACCTATGCACCAGACGTCGCACGCCGGGCGGGCGCGAAGCCGGGGAAAGAAGCCGTCAGATCGGAAGAGCGGTTCAG
chr2	32602848	32602887	BIRC6_9818	+	GTGACCTATGCACCAGACGTATAAGTATCAATGTGGTCCTCTACTTAATGTAATCTTAGAAGATCGGAAGAGCGGTTCAG
chr2	32605369	32605408	BIRC6_9819	+	GTGACCTATGCACCAGACGTAATAGATTGCCTCTTTTGGGGTTATATTACAATGGACACCAGATCGGAAGAGCGGTTCAG
chr2	32614022	32614061	BIRC6_9820	+	GTGACCTATGCACCAGACGTTGCTAACAAAGGTGACAGTGAGATAGAATTGATTAGTTTTAGATCGGAAGAGCGGTTCAG
chr2	32617229	32617268	BIRC6_9821	+	GTGACCTATGCACCAGACGTAATATAAAAAAATACTTTTCTCAGTAGGCCTTTGTAGCCCAGATCGGAAGAGCGGTTCAG
chr2	32620672	32620711	BIRC6_9822	+	GTGACCTATGCACCAGACGTATGTTTCTGGGCATAATAGGCTAAGTCAGTCGTGTAAATAAGATCGGAAGAGCGGTTCAG
chr2	32626464	32626503	BIRC6_9823	+	GTGACCTATGCACCAGACGTATTTTGAAGTAACAAATTAGTAATTGAAAAAAGATCAGTTAGATCGGAAGAGCGGTTCAG
chr2	32626702	32626741	BIRC6_9824	+	GTGACCTATGCACCAGACGTTTGTTTTAGTAGTATTTAATAGATGTTACATGTTTTCCTAAGATCGGAAGAGCGGTTCAG
chr2	32631636	32631675	BIRC6_9825	+	GTGACCTATGCACCAGACGTAGTATTAGATAATGTATTTAAAAAATTCTTTACACAGTTGAGATCGGAAGAGCGGTTCAG
chr2	32641242	32641281	BIRC6_9826	+	GTGACCTATGCACCAGACGTTGATTATGCTATAAATCTTATAAAATCCATGTATATATGGAGATCGGAAGAGCGGTTCAG
chr2	32656169	32656208	BIRC6_9827	+	GTGACCTATGCACCAGACGTTTCCCAAGATAATTAATTTTAAGTCCATCTTGTGTATTTGAGATCGGAAGAGCGGTTCAG
chr2	32658883	32658922	BIRC6_9828	+	GTGACCTATGCACCAGACGTATCAAAATTTATCTTTGAAGATTTTATTTTGTGGTTGATTAGATCGGAAGAGCGGTTCAG
chr2	32660664	32660703	BIRC6_9829	+	GTGACCTATGCACCAGACGTTTATAGAGCTGTTGTCCATGACAGTAAAAGGAGTAGTGATAGATCGGAAGAGCGGTTCAG
chr2	32661263	32661302	BIRC6_9830	+	GTGACCTATGCACCAGACGTACATTTTACAAAAGCAGAATTAATAATACCACAGTTGTAAAGATCGGAAGAGCGGTTCAG
chr2	32664765	32664804	BIRC6_9831	+	GTGACCTATGCACCAGACGTGTCATTTTGAACAATAACAATACAGTTTTAAACATTGTGGAGATCGGAAGAGCGGTTCAG
chr2	32666541	32666580	BIRC6_9832	+	GTGACCTATGCACCAGACGTTGCATTATCTTGTTATTCTTACAGTAATGAAAGTGCAGAGAGATCGGAAGAGCGGTTCAG
chr2	32667305	32667344	BIRC6_9833	+	GTGACCTATGCACCAGACGTAAAATTTTGCTTACCACTGTTGATTGCCTTTTAGATGTTAAGATCGGAAGAGCGGTTCAG
chr2	32667534	32667573	BIRC6_9834	+	GTGACCTATGCACCAGACGTTTTTAAGTTGAAAGCATACTTTCTAGGTACACCTGCAATTAGATCGGAAGAGCGGTTCAG
chr2	32668667	32668706	BIRC6_9835	+	GTGACCTATGCACCAGACGTTTAATTTAATCACAAATAGTTATAGTCATATGGAACATCTAGATCGGAAGAGCGGTTCAG
chr2	32670747	32670786	BIRC6_9836	+	GTGACCTATGCACCAGACGTATATCTAATGACTAATAATAGGCGTCTCTGAGTATGATCAAGATCGGAAGAGCGGTTCAG
chr2	32674007	32674046	BIRC6_9837	+	GTGACCTATGCACCAGACGTCTTTTATTAAAGGAAATTCTGAATGTTGTATCTTGGATTTAGATCGGAAGAGCGGTTCAG
chr2	32679021	32679060	BIRC6_9838	+	GTGACCTATGCACCAGACGTTGGTATATACCTTCTTTTATTATATACTTTATGCAGTAATAGATCGGAAGAGCGGTTCAG
chr2	32688460	32688499	BIRC6_9839	+	GTGACCTATGCACCAGACGTATTTGGCTCTTTGTTCATGCTGTCTCTAAACTTCAAAAGCAGATCGGAAGAGCGGTTCAG
chr2	32689902	32689941	BIRC6_9840	+	GTGACCTATGCACCAGACGTTTTTAAATAGGTGTTGGCTTAGACATTTAAAAATATCTTGAGATCGGAAGAGCGGTTCAG
chr2	32692818	32692857	BIRC6_9841	+	GTGACCTATGCACCAGACGTTTAAGAAAGTAAATTGATACGCTTTCTATGTTTCTGACAAAGATCGGAAGAGCGGTTCAG
chr2	32693190	32693229	BIRC6_9842	+	GTGACCTATGCACCAGACGTAGTGCAAATTTTAATGTTATTGAAACTTTGTATTTTATATAGATCGGAAGAGCGGTTCAG
chr2	32693862	32693901	BIRC6_9843	+	GTGACCTATGCACCAGACGTGGCTTACATATTTTAAAGGCTGGGAATATACTTGATGTGAAGATCGGAAGAGCGGTTCAG
chr2	32694693	32694732	BIRC6_9844	+	GTGACCTATGCACCAGACGTAAATGTTGGAGGTATTTGTTATTAATGATGTGTACTTTTCAGATCGGAAGAGCGGTTCAG
chr2	32695380	32695419	BIRC6_9845	+	GTGACCTATGCACCAGACGTAAAGCAGTGTTCTTTAGTAAAAACAATATTCCTGCAAATAAGATCGGAAGAGCGGTTCAG
chr2	32696203	32696242	BIRC6_9846	+	GTGACCTATGCACCAGACGTGGAGAGGTTTCTGACAGGTATCAGAAGTTTATAATAATATAGATCGGAAGAGCGGTTCAG
chr2	32701423	32701462	BIRC6_9847	+	GTGACCTATGCACCAGACGTTACTTTTCAATATAGTTATCTCAGAAAAGTCAAGGAGTTAAGATCGGAAGAGCGGTTCAG
chr2	32703897	32703936	BIRC6_9848	+	GTGACCTATGCACCAGACGTATTTTTCTTCATAGAGTATGTCAAAATTACCTTGTCATTGAGATCGGAAGAGCGGTTCAG
chr2	32704696	32704735	BIRC6_9849	+	GTGACCTATGCACCAGACGTACATTATGTTTCTTCTTTATTCTATTAAATGGAAACATGTAGATCGGAAGAGCGGTTCAG
chr2	32707661	32707700	BIRC6_9850	+	GTGACCTATGCACCAGACGTGTTTATATTTTAAGACATATGCTATTCTTAAAACAAGTCTAGATCGGAAGAGCGGTTCAG
chr2	32710837	32710876	BIRC6_9851	+	GTGACCTATGCACCAGACGTTGACCATTTTTAGAGTATTGCAGTGAATGATTCAGCTCTTAGATCGGAAGAGCGGTTCAG
chr2	32712879	32712918	BIRC6_9852	+	GTGACCTATGCACCAGACGTAGGAGAAATGGTGTATTTTTACATATTATTGTTAGCCTGGAGATCGGAAGAGCGGTTCAG
chr2	32713792	32713831	BIRC6_9853	+	GTGACCTATGCACCAGACGTTTAGGAGAAAAACATTATAGTCTAAATAGCAAGCTTAAAAAGATCGGAAGAGCGGTTCAG
chr2	32715229	32715268	BIRC6_9854	+	GTGACCTATGCACCAGACGTAAATTTATTCATTTAAATCTCTGACATATACTTTAGTGTTAGATCGGAAGAGCGGTTCAG
chr2	32716636	32716675	BIRC6_9855	+	GTGACCTATGCACCAGACGTGTTTAGCCTGGCATATGCCCAGACTATTCAATAAACAGTAAGATCGGAAGAGCGGTTCAG
chr2	32718745	32718784	BIRC6_9856	+	GTGACCTATGCACCAGACGTGTGTACTAATTTGTTCCTGATATAGAAGTAACATGTAATTAGATCGGAAGAGCGGTTCAG
chr2	32725187	32725226	BIRC6_9857	+	GTGACCTATGCACCAGACGTAGAATATTAATCTTACCATTGTCTCTGATACTATAACTGGAGATCGGAAGAGCGGTTCAG
chr2	32726966	32727005	BIRC6_9858	+	GTGACCTATGCACCAGACGTGCCAACAACAGTTGCAGTGATTCAAATAAATTTATTGCGAAGATCGGAAGAGCGGTTCAG
chr2	32727969	32728008	BIRC6_9859	+	GTGACCTATGCACCAGACGTATTTCAATAACTATCATTTAAGTGTAGTTATGTGATAGTAAGATCGGAAGAGCGGTTCAG
chr2	32728314	32728353	BIRC6_9860	+	GTGACCTATGCACCAGACGTTGTTACTAAATCTTACTTATGTGAAATTATCTAGTTTATTAGATCGGAAGAGCGGTTCAG

chr2	32730283	32730322	BIRC6_9861	+	GTGACCTATGCACCAGACGTTTTTATAAAGAAGCATCATGAGAACAAGCTTTAATTTAGAAGATCGGAAGAGCGGTTCAG
chr2	32735072	32735111	BIRC6_9862	+	GTGACCTATGCACCAGACGTACTTTGATATTTAAATGTTTACATATCTGTAAAGTAACAGAGATCGGAAGAGCGGTTCAG
chr2	32735712	32735751	BIRC6_9863	+	GTGACCTATGCACCAGACGTATTTTTCATTTAATTAAGCACACACATGCACATAATCATGAGATCGGAAGAGCGGTTCAG
chr2	32738232	32738271	BIRC6_9864	+	GTGACCTATGCACCAGACGTTTTGTGAAATCTTTTTTATCCCCCAGTACTAGATCAGTTAAGATCGGAAGAGCGGTTCAG
chr2	32740848	32740887	BIRC6_9865	+	GTGACCTATGCACCAGACGTAAAATAACTTACATTTTAGTTGTTTTATTACATAAGAAAGAGATCGGAAGAGCGGTTCAG
chr2	32743475	32743514	BIRC6_9866	+	GTGACCTATGCACCAGACGTAACACTTAATCATTGGCTGTGTATACATGTATTTTACAATAGATCGGAAGAGCGGTTCAG
chr2	32744024	32744063	BIRC6_9867	+	GTGACCTATGCACCAGACGTTTTAAGTATTAGTTTTTGTTTAACTTTATGTTTGATGTATAGATCGGAAGAGCGGTTCAG
chr2	32750097	32750136	BIRC6_9868	+	GTGACCTATGCACCAGACGTTATTTTTTATAATCTTGATTTTGTTTGGGTTTCTATAAAAAGATCGGAAGAGCGGTTCAG
chr2	32750706	32750745	BIRC6_9869	+	GTGACCTATGCACCAGACGTTCAATGAATAAACGTCAAAGAAATTTTAGTAGCCTTAAAAAGATCGGAAGAGCGGTTCAG
chr2	32754902	32754941	BIRC6_9870	+	GTGACCTATGCACCAGACGTAATACTACTTTAAAAATTACAGACTGTCATACAAAGAGGCAGATCGGAAGAGCGGTTCAG
chr2	32756629	32756668	BIRC6_9871	+	GTGACCTATGCACCAGACGTATTTCCTAATCGAGTATATCATTCCATAGCTAAGCCCTTCAGATCGGAAGAGCGGTTCAG
chr2	32768619	32768658	BIRC6_9872	+	GTGACCTATGCACCAGACGTAGTATTAAATTTATCAACACATATGTGAATAGGTTGTGTAAGATCGGAAGAGCGGTTCAG
chr2	32770938	32770977	BIRC6_9873	+	GTGACCTATGCACCAGACGTTTTTAATTATTTCAGTTATTAAAAAAACTAGATTTAATTAAGATCGGAAGAGCGGTTCAG
chr2	32774559	32774598	BIRC6_9874	+	GTGACCTATGCACCAGACGTCCTGTAAATGTGTCTGTGGATGAATAATTTTGTTTGCTTAAGATCGGAAGAGCGGTTCAG
chr2	32800444	32800483	BIRC6_9875	+	GTGACCTATGCACCAGACGTCAATGTTCATTTCTCTTGAGTTTGCCTCTAACAATGTTTTAGATCGGAAGAGCGGTTCAG
chr2	32819138	32819177	BIRC6_9876	+	GTGACCTATGCACCAGACGTTTTCCTATTATGCCACTTTTCATTTGATGTAAAGATGTTTAGATCGGAAGAGCGGTTCAG
chr2	32820222	32820261	BIRC6_9877	+	GTGACCTATGCACCAGACGTATTTTTGATTTGCTTAAGATCTCACTTTCCATTTTTTTTTAGATCGGAAGAGCGGTTCAG
chr2	32823046	32823085	BIRC6_9878	+	GTGACCTATGCACCAGACGTATGATAATAAAGCACTCTCCCTTATCTCCTTGGCTCATCTAGATCGGAAGAGCGGTTCAG
chr2	32824978	32825017	BIRC6_9879	+	GTGACCTATGCACCAGACGTTGCAATTTTTTGTTTCAAATGCCAATGATTGTATACAAAGAGATCGGAAGAGCGGTTCAG
chr2	32828161	32828200	BIRC6_9880	+	GTGACCTATGCACCAGACGTTTTCTCTGACATTTTCACTTAAGAAATAAAGAACTGTGTAAGATCGGAAGAGCGGTTCAG
chr2	32832721	32832760	BIRC6_9881	+	GTGACCTATGCACCAGACGTTAAAATTAGTGAAATACTTTGTTAAAGACATTTTACAATAAGATCGGAAGAGCGGTTCAG
chr2	32836660	32836699	BIRC6_9882	+	GTGACCTATGCACCAGACGTCTCTCTAACAGGAGCCTTGTTGCTTTAAGAGTTGTGTAATAGATCGGAAGAGCGGTTCAG
chr2	32842982	32843021	BIRC6_9883	+	GTGACCTATGCACCAGACGTTGTGGACTTCATAGACACAAAGGCTTCGAAGCACAAGCCAAGATCGGAAGAGCGGTTCAG
chr2	32724905	32724944	BIRC6_9884	+	GTGACCTATGCACCAGACGTTGATTTGTTAAAACTTGTTAACATTTTAGTGCAGCTGCCTAGATCGGAAGAGCGGTTCAG
chr2	32740457	32740496	BIRC6_9885	+	GTGACCTATGCACCAGACGTATAGATATTTCCCAGGACAAACTCAGGCGCCATCATGTCCAGATCGGAAGAGCGGTTCAG
chr2	32640312	32640351	BIRC6_9886	+	GTGACCTATGCACCAGACGTTATTATGAGTAAAAGTTTGCATGATGATGGTTTTACTGTTAGATCGGAAGAGCGGTTCAG
chr2	32640777	32640816	BIRC6_9887	+	GTGACCTATGCACCAGACGTTGTACAGACTCCTTTAATAATTCAGCCTGAGCAGAGGAATAGATCGGAAGAGCGGTTCAG
chr17	59761512	59761551	BRIP1_9888	+	GTGACCTATGCACCAGACGTAAGAATTTAAGAGATTTAACTTTCTGCTCCTAGCTAACATAGATCGGAAGAGCGGTTCAG
chr17	59763537	59763576	BRIP1_9889	+	GTGACCTATGCACCAGACGTAGGTAAACCCAGGGAAAATTTGGTTACTTAGTTATTAAAAAGATCGGAAGAGCGGTTCAG
chr17	59770884	59770923	BRIP1_9890	+	GTGACCTATGCACCAGACGTTAGGGAAAAAGTCAAATAATTATAACATCGGAAATAAATCAGATCGGAAGAGCGGTTCAG
chr17	59820506	59820545	BRIP1_9891	+	GTGACCTATGCACCAGACGTAGAAAAAAGCATATCCAAAATTCTCAGAAATTGCTTATTCAGATCGGAAGAGCGGTTCAG
chr17	59821963	59822002	BRIP1_9892	+	GTGACCTATGCACCAGACGTGAAAGAAAAAAATGATTTTTTGTGTGTCTAGCTAAACAAAAGATCGGAAGAGCGGTTCAG
chr17	59853934	59853973	BRIP1_9893	+	GTGACCTATGCACCAGACGTAATATGTCATTATTAGAGTTATGCCTGAAAAAGGCATGGAAGATCGGAAGAGCGGTTCAG
chr17	59858377	59858416	BRIP1_9894	+	GTGACCTATGCACCAGACGTAGAAAGTGCTAATTAAGTGGCAAAACTTTTAAAACCTATGAGATCGGAAGAGCGGTTCAG
chr17	59861796	59861835	BRIP1_9895	+	GTGACCTATGCACCAGACGTTTACCATATTAAGTATAGAGGGGTTGGGAGGGAATTGGAAAGATCGGAAGAGCGGTTCAG
chr17	59871101	59871140	BRIP1_9896	+	GTGACCTATGCACCAGACGTATAAAACAATTGTGTCAACCAGTATCATCCTTACACACACAGATCGGAAGAGCGGTTCAG
chr17	59876671	59876710	BRIP1_9897	+	GTGACCTATGCACCAGACGTAAAGAATTTTCTTGTAAAACATTTGGCAAAATAGATTTAAAGATCGGAAGAGCGGTTCAG
chr17	59878846	59878885	BRIP1_9898	+	GTGACCTATGCACCAGACGTATATGCATAACTGAAATGTGAACCAATATTAGCATAGAAGAGATCGGAAGAGCGGTTCAG
chr17	59886129	59886168	BRIP1_9899	+	GTGACCTATGCACCAGACGTGGAAAGAAACGATAACTAATATCTAAACTACCATAAAAAAAGATCGGAAGAGCGGTTCAG
chr17	59924592	59924631	BRIP1_9900	+	GTGACCTATGCACCAGACGTAGAACCAAAATGAAGTTTAAGGTGAACTAGAAGTTTAACTAGATCGGAAGAGCGGTTCAG
chr17	59926628	59926667	BRIP1_9901	+	GTGACCTATGCACCAGACGTTAATTTAAAAAAAACAGCATAAATAACTTACAGGTAGGCAAGATCGGAAGAGCGGTTCAG
chr17	59934603	59934642	BRIP1_9902	+	GTGACCTATGCACCAGACGTAAGAACATCTATTTATAATATATCTAATTAAATAAACATCAGATCGGAAGAGCGGTTCAG
chr17	59937279	59937318	BRIP1_9903	+	GTGACCTATGCACCAGACGTAGAAACCAATGAAAATAATAAACATATTAACTTTATAAAGAGATCGGAAGAGCGGTTCAG
chr17	59938911	59938950	BRIP1_9904	+	GTGACCTATGCACCAGACGTTGTTTATTTCAGATTCCTAACTACAACAGAAATGAAAATGAGATCGGAAGAGCGGTTCAG
chr17	59761089	59761128	BRIP1_9905	+	GTGACCTATGCACCAGACGTAGACAATTCAATGTCTGGATCCAGGGCTTCTTCAGAACAGAGATCGGAAGAGCGGTTCAG
chr16	88943694	88943733	CBFA2T3_9906	+	GTGACCTATGCACCAGACGTGCAGAGGGGCCAGTCAGGGCTGGGTCTGGCCACCCGAATCAGATCGGAAGAGCGGTTCAG
chr16	88945879	88945918	CBFA2T3_9907	+	GTGACCTATGCACCAGACGTCATGGGCAGGGCTGGCGGTCACATGGGCCATCCCAGATGGAGATCGGAAGAGCGGTTCAG
chr16	88947207	88947246	CBFA2T3_9908	+	GTGACCTATGCACCAGACGTGGCCGGCGTCACACAGGATGGGCCACGCGGCTGCCCCTCCAGATCGGAAGAGCGGTTCAG
chr16	88947908	88947947	CBFA2T3_9909	+	GTGACCTATGCACCAGACGTGCGGCGCAGCCTTCAGCACCTCAGAGGGACCGGGACGCACAGATCGGAAGAGCGGTTCAG
chr16	88949180	88949219	CBFA2T3_9910	+	GTGACCTATGCACCAGACGTGGGAGGTGCACGCTTAGGTCCCACCCACAGCCAGTCTCTGAGATCGGAAGAGCGGTTCAG
chr16	88951688	88951727	CBFA2T3_9911	+	GTGACCTATGCACCAGACGTGAGCAGGTGGGGCGAGGGCAGTGGACATAGGATGAACCGGAGATCGGAAGAGCGGTTCAG
chr16	88952561	88952600	CBFA2T3_9912	+	GTGACCTATGCACCAGACGTGGGAAGGAGGGCCTGGGTAGCATGCAGGGGTGCACAGCCCAGATCGGAAGAGCGGTTCAG
chr16	88958390	88958429	CBFA2T3_9913	+	GTGACCTATGCACCAGACGTGAAAACCCACCTCACATCAGCACCGCTCGGCATGTGAGCCAGATCGGAAGAGCGGTTCAG
chr16	88958904	88958943	CBFA2T3_9914	+	GTGACCTATGCACCAGACGTGAAGCGGACATGAGGACACAAAGGTGATGGTGACAACACAAGATCGGAAGAGCGGTTCAG
chr16	88964571	88964610	CBFA2T3_9915	+	GTGACCTATGCACCAGACGTAATAAGAAGAACACGCTGTCAGGAGGGGCGTGGGCAGGAGAGATCGGAAGAGCGGTTCAG
chr16	88968043	88968082	CBFA2T3_9916	+	GTGACCTATGCACCAGACGTTTAGCTTTCCTGTCCACTGGGGCTGCGACCAACGGAGAAAAGATCGGAAGAGCGGTTCAG
chr16	88968075	88968114	CBFA2T3_9917	+	GTGACCTATGCACCAGACGTCGGAGAAAGAAAGAGTCGGTGAAGCAGGCTAAGTGCAAAGAGATCGGAAGAGCGGTTCAG
chr16	89043226	89043265	CBFA2T3_9918	+	GTGACCTATGCACCAGACGTACCCTCAGGGGCCAACCTGGAGCCCAGGACAGGCCTCTACAGATCGGAAGAGCGGTTCAG

chr1	193091472	193091511	CDC73_9919	+	GTGACCTATGCACCAGACGTCATGGCTGTGGCCCAGGGGTGGCAGGGCAGAGTTGGGCGCAGATCGGAAGAGCGGTTCAG
chr1	193104594	193104633	CDC73_9920	+	GTGACCTATGCACCAGACGTTTGCATATTTATATTGAACTTTCAGAAGCCCATTCCAAAAAGATCGGAAGAGCGGTTCAG
chr1	193104730	193104769	CDC73_9921	+	GTGACCTATGCACCAGACGTTGTATTTTAAACAATTTTATTTATATTGTTATTGAAATTGAGATCGGAAGAGCGGTTCAG
chr1	193107314	193107353	CDC73_9922	+	GTGACCTATGCACCAGACGTTTTTTAAGTAGAAAGTAGGTAGTTTAGATATATGTAAAAGAGATCGGAAGAGCGGTTCAG
chr1	193111207	193111246	CDC73_9923	+	GTGACCTATGCACCAGACGTTATTTTACTCATTCATTGGAGTGAGAGAGAGAGAGAGAGAAGATCGGAAGAGCGGTTCAG
chr1	193117106	193117145	CDC73_9924	+	GTGACCTATGCACCAGACGTTTTACTGCTTTACAGTAGATTTAATGAAGTTGCCACTTATAGATCGGAAGAGCGGTTCAG
chr1	193119523	193119562	CDC73_9925	+	GTGACCTATGCACCAGACGTTAATTCTTATCTTCCCCTTAGTGTGGTTGTGTTGAACTTGAGATCGGAAGAGCGGTTCAG
chr1	193121585	193121624	CDC73_9926	+	GTGACCTATGCACCAGACGTTTGGCTGTAGATGTTCTTTTGTTCCAGGGATTTTATGTGAAGATCGGAAGAGCGGTTCAG
chr1	193172993	193173032	CDC73_9927	+	GTGACCTATGCACCAGACGTAGAACTTTGCTTTTTGTTTTCTTTCAAAAGATCGTAACAGAGATCGGAAGAGCGGTTCAG
chr1	193181241	193181280	CDC73_9928	+	GTGACCTATGCACCAGACGTGCATATGATTTTAAACTTAACTTTAAAAAGTAAATGATTGAGATCGGAAGAGCGGTTCAG
chr1	193181618	193181657	CDC73_9929	+	GTGACCTATGCACCAGACGTTATTAAACTATCCTGTACGTAGGATATTGAGATACCATTGAGATCGGAAGAGCGGTTCAG
chr1	193202295	193202334	CDC73_9930	+	GTGACCTATGCACCAGACGTCTCTATATATATATCTTTTCACAGGTGTTGAACCCAAGAGAGATCGGAAGAGCGGTTCAG
chr1	193205497	193205536	CDC73_9931	+	GTGACCTATGCACCAGACGTCTTTGTATTTACTGTATCCAGTATAGAAATGTTCTCACTTAGATCGGAAGAGCGGTTCAG
chr1	193219012	193219051	CDC73_9932	+	GTGACCTATGCACCAGACGTTTCTAAAATATGCTTGTGTGTGTTTTATTGTAATTTTTCTAGATCGGAAGAGCGGTTCAG
chr1	193219853	193219892	CDC73_9933	+	GTGACCTATGCACCAGACGTTCCTCCATTTCTGGAAATTGAGACTCAAGCTTTATGAATTAGATCGGAAGAGCGGTTCAG
chr5	68530879	68530918	CDK7_9934	+	GTGACCTATGCACCAGACGTCTGGAAGGACGGGGAGGGCCCCAAGCGGACAGCCCCGCGCAGATCGGAAGAGCGGTTCAG
chr5	68531291	68531330	CDK7_9935	+	GTGACCTATGCACCAGACGTTTTTTATGTTGTTTTTAAGTCTCCTTGAAGATGTCTGTATAGATCGGAAGAGCGGTTCAG
chr5	68550507	68550546	CDK7_9936	+	GTGACCTATGCACCAGACGTTCAAAACTGTTACTGGGATTTGGGACTCTGCCTTTTCTTAAGATCGGAAGAGCGGTTCAG
chr5	68551366	68551405	CDK7_9937	+	GTGACCTATGCACCAGACGTGATTCCTGGAGAAATTCCTTTGTCCCAGTTTATCAAACAAAGATCGGAAGAGCGGTTCAG
chr5	68553991	68554030	CDK7_9938	+	GTGACCTATGCACCAGACGTTAATATTGCTTCTTTATACTAGTCAAGTTTTATATAGCCAAGATCGGAAGAGCGGTTCAG
chr5	68555774	68555813	CDK7_9939	+	GTGACCTATGCACCAGACGTCTTAAAGCTACATGTGCAGGAGTTTGATCAGAAATGAGCAAGATCGGAAGAGCGGTTCAG
chr5	68558142	68558181	CDK7_9940	+	GTGACCTATGCACCAGACGTATTAATGTACGCACTTTAATATTGTTGTTGCAGTTATTTGAGATCGGAAGAGCGGTTCAG
chr5	68565131	68565170	CDK7_9941	+	GTGACCTATGCACCAGACGTATGCATTTTCTTTGAAATGTAATTAGGACTCTGTAAAGTTAGATCGGAAGAGCGGTTCAG
chr5	68568879	68568918	CDK7_9942	+	GTGACCTATGCACCAGACGTGTATCTTTTTTATACTAGGAAATATAAAAATAATCTTAACAGATCGGAAGAGCGGTTCAG
chr5	68572528	68572567	CDK7_9943	+	GTGACCTATGCACCAGACGTCACTTTTAAAAGAAATTAAATGAATTTAGAAAACTCCAAAAGATCGGAAGAGCGGTTCAG
chr5	68572973	68573012	CDK7_9944	+	GTGACCTATGCACCAGACGTGGACAACATTTTACTACTGAGGGAAATAGCCAAAAAGGCAAGATCGGAAGAGCGGTTCAG
chr17	57697545	57697584	CLTC_9945	+	GTGACCTATGCACCAGACGTGCCCGGGCTGGTGAGGGCTGTGGAGAAGGTGGTAGGAAGGAGATCGGAAGAGCGGTTCAG
chr17	57725038	57725077	CLTC_9946	+	GTGACCTATGCACCAGACGTAACTATTTTTTTATGAAGAAGAGGTTTAGAACACGGTTGTAGATCGGAAGAGCGGTTCAG
chr17	57725773	57725812	CLTC_9947	+	GTGACCTATGCACCAGACGTGCTTTGGTAATTATTTTAATGAGAACTTGTATTTGGCTTTAGATCGGAAGAGCGGTTCAG
chr17	57728688	57728727	CLTC_9948	+	GTGACCTATGCACCAGACGTCAAAATAAATGACTTTTTAAAAATCTCTCCTCTTAAAAGAAGATCGGAAGAGCGGTTCAG
chr17	57733399	57733438	CLTC_9949	+	GTGACCTATGCACCAGACGTCTTGAAACTTAAGCAATAAAATAAGATAACCTGATGAGTTAGATCGGAAGAGCGGTTCAG
chr17	57737960	57737999	CLTC_9950	+	GTGACCTATGCACCAGACGTATGAAAATGAAGTTGTCATGACATTAATCCATTGTTAATAAGATCGGAAGAGCGGTTCAG
chr17	57739015	57739054	CLTC_9951	+	GTGACCTATGCACCAGACGTTTATGTTGACATAATCTTGCTTTGGTTGCATTAAATATGAAGATCGGAAGAGCGGTTCAG
chr17	57741366	57741405	CLTC_9952	+	GTGACCTATGCACCAGACGTTGAAACACATTCTCAGCATGAATTCATTGAAGCATTGACAAGATCGGAAGAGCGGTTCAG
chr17	57742281	57742320	CLTC_9953	+	GTGACCTATGCACCAGACGTTAAAATATATTTTGTAGAAGCTGATTGAAATGGAGAGTGGAGATCGGAAGAGCGGTTCAG
chr17	57743612	57743651	CLTC_9954	+	GTGACCTATGCACCAGACGTTAATGCTTTTTAGGCATGTTTCCAACATTGTTTTAGTAATAGATCGGAAGAGCGGTTCAG
chr17	57744016	57744055	CLTC_9955	+	GTGACCTATGCACCAGACGTTTCTTACCTAATAGATGGTGTTAGTTGTGATTAATAGGTAAGATCGGAAGAGCGGTTCAG
chr17	57744349	57744388	CLTC_9956	+	GTGACCTATGCACCAGACGTGTTTTTGAGTTTTTAAAAAAAGTACTTAAGGTAGCCAAGAAGATCGGAAGAGCGGTTCAG
chr17	57746312	57746351	CLTC_9957	+	GTGACCTATGCACCAGACGTTTGAGTAATGTGTTTTCTGGTTGGATTCCAGGTTAGCAGTAGATCGGAAGAGCGGTTCAG
chr17	57751144	57751183	CLTC_9958	+	GTGACCTATGCACCAGACGTTGTAGGTAATGTAAAGGTATAATCTTACTATAGATTTTATAGATCGGAAGAGCGGTTCAG
chr17	57752215	57752254	CLTC_9959	+	GTGACCTATGCACCAGACGTATTTTAACAGGGATAAGTTACTCTTTCTTAACATGGCAATAGATCGGAAGAGCGGTTCAG
chr17	57754560	57754599	CLTC_9960	+	GTGACCTATGCACCAGACGTCTAGCTGAATATGTAGAGAAGCTGCATTTTTAAAAACCTGAGATCGGAAGAGCGGTTCAG
chr17	57756891	57756930	CLTC_9961	+	GTGACCTATGCACCAGACGTCAAATGTGTTTATGGCTGTCAGTAAAAATTATACATTTTTAGATCGGAAGAGCGGTTCAG
chr17	57758429	57758468	CLTC_9962	+	GTGACCTATGCACCAGACGTAGAGGGATCCATTGGCTATTTATAGTCAGTCTTTAATAAAAGATCGGAAGAGCGGTTCAG
chr17	57758850	57758889	CLTC_9963	+	GTGACCTATGCACCAGACGTAGATTACCTAAGTTGAATTACTAAACACTGTGCTATGAGGAGATCGGAAGAGCGGTTCAG
chr17	57759211	57759250	CLTC_9964	+	GTGACCTATGCACCAGACGTTTACCTTATGTATTGAAACCTCATAAAATGATTAAGCTAAAGATCGGAAGAGCGGTTCAG
chr17	57759800	57759839	CLTC_9965	+	GTGACCTATGCACCAGACGTTTTTCAGATTTAAGAAAAACTAGTTGGGCTACTTGATTAGAGATCGGAAGAGCGGTTCAG
chr17	57760165	57760204	CLTC_9966	+	GTGACCTATGCACCAGACGTCCCAAGTTTGAGTGAAGAATTAAAGAAACGCTATTTAAACAGATCGGAAGAGCGGTTCAG
chr17	57760386	57760425	CLTC_9967	+	GTGACCTATGCACCAGACGTGACTTTTATATGACCTGAGATCTTTTACCATAGATATTCTAGATCGGAAGAGCGGTTCAG
chr17	57760634	57760673	CLTC_9968	+	GTGACCTATGCACCAGACGTATTGTAACACAGTGAAGCAACTGTGTAGTTAAAACTAATGAGATCGGAAGAGCGGTTCAG
chr17	57760908	57760947	CLTC_9969	+	GTGACCTATGCACCAGACGTTCTTCAGAAGATAAAGGATTCAGAAGGAGAAAGCTCATTAAGATCGGAAGAGCGGTTCAG
chr17	57761128	57761167	CLTC_9970	+	GTGACCTATGCACCAGACGTAATTTTAAACCAAAGCTTCATAGCAAGGAATTAGGACATAAGATCGGAAGAGCGGTTCAG
chr17	57761357	57761396	CLTC_9971	+	GTGACCTATGCACCAGACGTTTGATTCTTGCACATAATCTCAAGACTCATAAAGTTATGTAGATCGGAAGAGCGGTTCAG
chr17	57762598	57762637	CLTC_9972	+	GTGACCTATGCACCAGACGTTTGCGGGGCAGGGGCTGTTTTAAACCAGGCCTAAAATGGTAGATCGGAAGAGCGGTTCAG
chr17	57763180	57763219	CLTC_9973	+	GTGACCTATGCACCAGACGTTTCTAAGTGTATTCAGAACTAGTTTCCTTGCATGTAAAATAGATCGGAAGAGCGGTTCAG
chr17	57768083	57768122	CLTC_9974	+	GTGACCTATGCACCAGACGTTCTGTAACCTCAAAAAATTCATTAGACAAATATTTAATTAAGATCGGAAGAGCGGTTCAG
chr17	57771224	57771263	CLTC_9975	+	GTGACCTATGCACCAGACGTTGATCCTGTAGTCACCTATTTTCGTACTGAAACATCGTCTAGATCGGAAGAGCGGTTCAG
chr8	113237170	113237209	CSMD3_9976	+	GTGACCTATGCACCAGACGTGAACATTGATTAGCTATGTGTTAACTTTCTTCCAGAAACAAGATCGGAAGAGCGGTTCAG

chr8	113243872	113243911	CSMD3_9977	+	GTGACCTATGCACCAGACGTTTAAACAGCCAAATATACTTGAATACTGGCCATAGCTATAAGATCGGAAGAGCGGTTCAG
chr8	113246717	113246756	CSMD3_9978	+	GTGACCTATGCACCAGACGTCAAGGACATTTTAGTCTACTTAACTTTGTAAATAGTTATAAGATCGGAAGAGCGGTTCAG
chr8	113249588	113249627	CSMD3_9979	+	GTGACCTATGCACCAGACGTATTAAATATACCACACATTAATTTTACAATGCCATATAAAAGATCGGAAGAGCGGTTCAG
chr8	113256813	113256852	CSMD3_9980	+	GTGACCTATGCACCAGACGTAAAAGAGAACAATGTAAATTTTCTATAGATATGTTAAGAAAGATCGGAAGAGCGGTTCAG
chr8	113259371	113259410	CSMD3_9981	+	GTGACCTATGCACCAGACGTTTAAAGAGAGGAAAAAAATATTCCCCTACAACTTCAAATAAGATCGGAAGAGCGGTTCAG
chr8	113266566	113266605	CSMD3_9982	+	GTGACCTATGCACCAGACGTGATTAAAAAGATATTAGTCCTTTAAAATTTACAATAGATAAGATCGGAAGAGCGGTTCAG
chr8	113267667	113267706	CSMD3_9983	+	GTGACCTATGCACCAGACGTAAAGAAAGACGCTTATATCAAAGATTTAGTATACAGCAGAAGATCGGAAGAGCGGTTCAG
chr8	113276052	113276091	CSMD3_9984	+	GTGACCTATGCACCAGACGTATTAAAAGTGATTAGACACAGCTGTTGAAATATCCTGAGCAGATCGGAAGAGCGGTTCAG
chr8	113277830	113277869	CSMD3_9985	+	GTGACCTATGCACCAGACGTTGGATTAGAAGAGCAGATGGTTAATGAGGCATGTATTTAAAGATCGGAAGAGCGGTTCAG
chr8	113293590	113293629	CSMD3_9986	+	GTGACCTATGCACCAGACGTAAGTGTTTAAGAGTATATATAAAAAATGCAATCAGAAATTAGATCGGAAGAGCGGTTCAG
chr8	113299486	113299525	CSMD3_9987	+	GTGACCTATGCACCAGACGTGTACAGTTCAAGTTAACCAATTCCCATAAACATTTATTAAAGATCGGAAGAGCGGTTCAG
chr8	113303935	113303974	CSMD3_9988	+	GTGACCTATGCACCAGACGTGACAAATTTTGAAACATATGTTTGGAATAATATACATATAAGATCGGAAGAGCGGTTCAG
chr8	113304950	113304989	CSMD3_9989	+	GTGACCTATGCACCAGACGTGTGGCAGGAGGACAGGGAAGGAAACACAGAAAAAAAATATAGATCGGAAGAGCGGTTCAG
chr8	113308246	113308285	CSMD3_9990	+	GTGACCTATGCACCAGACGTTTATAAAGTAATATTTTTAATACTGTGATTTGTTTTATTTAGATCGGAAGAGCGGTTCAG
chr8	113314206	113314245	CSMD3_9991	+	GTGACCTATGCACCAGACGTATAAATAAATAAAAATCCTTAAAGATATAGTCAAGCTGCAAGATCGGAAGAGCGGTTCAG
chr8	113317155	113317194	CSMD3_9992	+	GTGACCTATGCACCAGACGTACCAAAGGGTGTAATTGCTAACAAATCACTATATCTCAACAGATCGGAAGAGCGGTTCAG
chr8	113318432	113318471	CSMD3_9993	+	GTGACCTATGCACCAGACGTATACACACAAGCAAAATCGTATAAACAGAAAAATGTTTAAAGATCGGAAGAGCGGTTCAG
chr8	113323406	113323445	CSMD3_9994	+	GTGACCTATGCACCAGACGTGAAAAAAAAAATGCTGTTTAATTAATGAATCAGAAGTTATAGATCGGAAGAGCGGTTCAG
chr8	113326292	113326331	CSMD3_9995	+	GTGACCTATGCACCAGACGTAAAATAAAACAATTTAGATAAAGCTAATTATATTCTCATTAGATCGGAAGAGCGGTTCAG
chr8	113326857	113326896	CSMD3_9996	+	GTGACCTATGCACCAGACGTAAAATGTCATTAAATAATGCCAGTCTTTTAGAGCCTCAGTAGATCGGAAGAGCGGTTCAG
chr8	113331190	113331229	CSMD3_9997	+	GTGACCTATGCACCAGACGTAAAGAGGGGAGGTTTCATATAAGCAACAAGGTGATGATAAAGATCGGAAGAGCGGTTCAG
chr8	113332221	113332260	CSMD3_9998	+	GTGACCTATGCACCAGACGTAAACAAAGTGTTTATTCCTTTTCTGTGCAGCTACATGTATAGATCGGAAGAGCGGTTCAG
chr8	113347714	113347753	CSMD3_9999	+	GTGACCTATGCACCAGACGTAGGATTGGGAAAGGAGGAGAGATCAAGATTGATTGTGGAAAGATCGGAAGAGCGGTTCAG
chr8	113349069	113349108	CSMD3_10000	+	GTGACCTATGCACCAGACGTAGTCACAAAACAAAATAATATTTTAAAATAACAATAAACTAGATCGGAAGAGCGGTTCAG
chr8	113349971	113350010	CSMD3_10001	+	GTGACCTATGCACCAGACGTGAAAAAGAAAGACATTTTTTCTTTCCAAATTTCAGAGGCCAGATCGGAAGAGCGGTTCAG
chr8	113353926	113353965	CSMD3_10002	+	GTGACCTATGCACCAGACGTAAACAAACAGAATGCTACTTTATTTGCTTTACCGAATTAAAGATCGGAAGAGCGGTTCAG
chr8	113358453	113358492	CSMD3_10003	+	GTGACCTATGCACCAGACGTACAGAAATCCAAAGTAAACCAGAGTAGAGGAATAATTTACAGATCGGAAGAGCGGTTCAG
chr8	113363484	113363523	CSMD3_10004	+	GTGACCTATGCACCAGACGTAAAATGATGTGGTTCAGTACACATACATAAAAAGTTTAAAAGATCGGAAGAGCGGTTCAG
chr8	113364774	113364813	CSMD3_10005	+	GTGACCTATGCACCAGACGTTTAATGATAACAATTTAAGTAACTTTCAAGTGATAAATGCAGATCGGAAGAGCGGTTCAG
chr8	113392696	113392735	CSMD3_10006	+	GTGACCTATGCACCAGACGTATATGAGAAGGCAAGACAATGACCACATAATAAGTACTATAGATCGGAAGAGCGGTTCAG
chr8	113395903	113395942	CSMD3_10007	+	GTGACCTATGCACCAGACGTATAATTACAGGTAAGAATACACATTTCTAACCAGATACACAGATCGGAAGAGCGGTTCAG
chr8	113403028	113403067	CSMD3_10008	+	GTGACCTATGCACCAGACGTAGCAGTCCAAGAGAGGGAGTTAATTCTAATGCAAAGGATTAGATCGGAAGAGCGGTTCAG
chr8	113420653	113420692	CSMD3_10009	+	GTGACCTATGCACCAGACGTAAACAAACACTAAGATATCATAAATAATTTTCATTCAGTAAGATCGGAAGAGCGGTTCAG
chr8	113421272	113421311	CSMD3_10010	+	GTGACCTATGCACCAGACGTGGAACCCGGAGAAGCAAACAAATCACCAACCATCCAAAAAAGATCGGAAGAGCGGTTCAG
chr8	113484947	113484986	CSMD3_10011	+	GTGACCTATGCACCAGACGTATGGCAAAAATATCATTTTTAGAAAAAAGTTTTAAAAAATAGATCGGAAGAGCGGTTCAG
chr8	113519069	113519108	CSMD3_10012	+	GTGACCTATGCACCAGACGTAACAAACAAATAAAATCTCTTTAAACATTAATACAATTTAAGATCGGAAGAGCGGTTCAG
chr8	113529465	113529504	CSMD3_10013	+	GTGACCTATGCACCAGACGTACAGAGACAAAATTTTAGTTTTGATAACTACCAAAATCAAAGATCGGAAGAGCGGTTCAG
chr8	113563113	113563152	CSMD3_10014	+	GTGACCTATGCACCAGACGTACCATATTTCTCTGATTATTTTAAACAAGGATTCAACTTTAGATCGGAAGAGCGGTTCAG
chr8	113564960	113564999	CSMD3_10015	+	GTGACCTATGCACCAGACGTATAATAGAAATTTAAGCCACAATTTAATGCCAATCTTTTCAGATCGGAAGAGCGGTTCAG
chr8	113569194	113569233	CSMD3_10016	+	GTGACCTATGCACCAGACGTAATATAAATTGATTAAAGGCAAAATTTAGGAGGAGGATTTAGATCGGAAGAGCGGTTCAG
chr8	113599475	113599514	CSMD3_10017	+	GTGACCTATGCACCAGACGTAACAGAATATTGAAGTACAGTTTAATAGATAGCAGTATCAAGATCGGAAGAGCGGTTCAG
chr8	113649245	113649284	CSMD3_10018	+	GTGACCTATGCACCAGACGTGAGAGAAAAATTTCCCCGCGGGGGAGGAAAGGACAAAGAAAGATCGGAAGAGCGGTTCAG
chr8	113651151	113651190	CSMD3_10019	+	GTGACCTATGCACCAGACGTAAATAGAAACACTGAATTTACAGGTAGATCAGTAAAACACAGATCGGAAGAGCGGTTCAG
chr8	113657465	113657504	CSMD3_10020	+	GTGACCTATGCACCAGACGTAAGAAACAGATCCATGTGATCAGCAGTGAGAGAGACAGAGAGATCGGAAGAGCGGTTCAG
chr8	113662589	113662628	CSMD3_10021	+	GTGACCTATGCACCAGACGTAAGGGAAGAAAATAAAGAGTAAGCTTGGTGGGATTTGGAGAGATCGGAAGAGCGGTTCAG
chr8	113668581	113668620	CSMD3_10022	+	GTGACCTATGCACCAGACGTAAGACACATGTGAAAATATATTTAGAATTAACACTATATAAGATCGGAAGAGCGGTTCAG
chr8	113678655	113678694	CSMD3_10023	+	GTGACCTATGCACCAGACGTAAATCAGACAAGTAAGAATAAAACATTCAAGATAAATCGCAGATCGGAAGAGCGGTTCAG
chr8	113694876	113694915	CSMD3_10024	+	GTGACCTATGCACCAGACGTATATGCAAAGAAAAATACACAAACAAACAACATTAGCCAGAGATCGGAAGAGCGGTTCAG
chr8	113697972	113698011	CSMD3_10025	+	GTGACCTATGCACCAGACGTAGGAAGATTATGAAATACAATAAATATTCAAAAATAATATAGATCGGAAGAGCGGTTCAG
chr8	113702290	113702329	CSMD3_10026	+	GTGACCTATGCACCAGACGTAGAAGATAAAAGTCACCTTCCAAGGGTTGCAGGCATATGAAGATCGGAAGAGCGGTTCAG
chr8	113812514	113812553	CSMD3_10027	+	GTGACCTATGCACCAGACGTATGGACAAAGAAGGGAGAGATGGGTTATTAAAACATCCTCAGATCGGAAGAGCGGTTCAG
chr8	113842029	113842068	CSMD3_10028	+	GTGACCTATGCACCAGACGTACAGAAACATGCACCTTAAATATACTGCGTTGTGCAATAAAGATCGGAAGAGCGGTTCAG
chr8	113871506	113871545	CSMD3_10029	+	GTGACCTATGCACCAGACGTAATTGCATTTTAAAAGATGAACATATGTCACATGTAAAATAGATCGGAAGAGCGGTTCAG
chr8	113933991	113934030	CSMD3_10030	+	GTGACCTATGCACCAGACGTATAAAAGAGAAAAAATATGATAAGAAAGATGCAACATAATAGATCGGAAGAGCGGTTCAG
chr8	113960117	113960156	CSMD3_10031	+	GTGACCTATGCACCAGACGTAGGGAAAAAAGAAAAAAGAAACAAAATATATGTGATTAGAAGATCGGAAGAGCGGTTCAG
chr8	113967001	113967040	CSMD3_10032	+	GTGACCTATGCACCAGACGTAAACAAACAAAAACATGTATCAGGAAATACAATTTTAAAAAGATCGGAAGAGCGGTTCAG
chr8	113988388	113988427	CSMD3_10033	+	GTGACCTATGCACCAGACGTCAGTAGCACTAGATGCTAACTTTTTCTTTTTAAATTTTGTAGATCGGAAGAGCGGTTCAG
chr8	114031419	114031458	CSMD3_10034	+	GTGACCTATGCACCAGACGTAAAGACAACAACAAAAAAATTTAAAAAGCTTTTCAGCAGTAGATCGGAAGAGCGGTTCAG

chr8	114111203	114111242	CSMD3_10035	+	GTGACCTATGCACCAGACGTTGACAAAATATTCAGTTGTAAGTTATTGAGATAAATGCAAAGATCGGAAGAGCGGTTCAG
chr8	114186156	114186195	CSMD3_10036	+	GTGACCTATGCACCAGACGTGGAGGAAAAGGAGAGTTTACAGTTATTTCAATAAGCAGTTAGATCGGAAGAGCGGTTCAG
chr8	114290944	114290983	CSMD3_10037	+	GTGACCTATGCACCAGACGTATGGAATTAATTGTTAGAGACATAATCATTTTATCTAAGAAGATCGGAAGAGCGGTTCAG
chr8	114327033	114327072	CSMD3_10038	+	GTGACCTATGCACCAGACGTAGACAATAAACAGACATTAATATTATATAAATCAAGAACAAGATCGGAAGAGCGGTTCAG
chr8	114389035	114389074	CSMD3_10039	+	GTGACCTATGCACCAGACGTTGTGCTGAAGAGGTTGTTTATGAGTCGCAACAACCGGCCAAGATCGGAAGAGCGGTTCAG
chr8	114449094	114449133	CSMD3_10040	+	GTGACCTATGCACCAGACGTAGCTCCTAATTCCTGCTCCTCAGCCCGGCGCAGTGGAGTTAGATCGGAAGAGCGGTTCAG
chr19	1969969	1970008	CSNK1G2_10041	+	GTGACCTATGCACCAGACGTGCTCGGTGGTAGGTGGGGTCGGGAGGCTGCTGGCAGGGCCAGATCGGAAGAGCGGTTCAG
chr19	1978355	1978394	CSNK1G2_10042	+	GTGACCTATGCACCAGACGTCCCTCCACCCCACCCCCGCTGACGTGCCCCCCAGGGATTTAGATCGGAAGAGCGGTTCAG
chr19	1979258	1979297	CSNK1G2_10043	+	GTGACCTATGCACCAGACGTAGGCCGGGCAGGCGGGCGGGGACGCAGGGCGGGAGCAAGGAGATCGGAAGAGCGGTTCAG
chr19	1979653	1979692	CSNK1G2_10044	+	GTGACCTATGCACCAGACGTGGGTGCCGGTATGTGGGAGCGGGGGACCGGGAAACTGCCCAGATCGGAAGAGCGGTTCAG
chr19	1979845	1979884	CSNK1G2_10045	+	GTGACCTATGCACCAGACGTGGCGGGACCGACCGCCCCAGGGAGGGGCATGGGCGGCCAGAGATCGGAAGAGCGGTTCAG
chr19	1980027	1980066	CSNK1G2_10046	+	GTGACCTATGCACCAGACGTGGGGCGGTGCCTTCGGGGAGGTGGGGGTGCCCTGGGTCCCAGATCGGAAGAGCGGTTCAG
chr19	1980213	1980252	CSNK1G2_10047	+	GTGACCTATGCACCAGACGTGTGCAGCCCCCTGAATCTTCTCCGTGCAGCCCCTTGGGGCAGATCGGAAGAGCGGTTCAG
chr5	138117729	138117768	CTNNA1_10048	+	GTGACCTATGCACCAGACGTGAAAACACAAATACATTGTAACATGGTTCTATAGCACAGGAGATCGGAAGAGCGGTTCAG
chr5	138119072	138119111	CTNNA1_10049	+	GTGACCTATGCACCAGACGTACTGCTTTTTAGGTAAAGAGAGGCAGGCCTTTCTAGAAAAAGATCGGAAGAGCGGTTCAG
chr5	138145904	138145943	CTNNA1_10050	+	GTGACCTATGCACCAGACGTAGGCCTATGTCTGTAATTTGTTCTATCACAGGAAGATTGCAGATCGGAAGAGCGGTTCAG
chr5	138148002	138148041	CTNNA1_10051	+	GTGACCTATGCACCAGACGTGATTTGGGGATATATTAAAGTTGTTCATTTTACTATCTAGAGATCGGAAGAGCGGTTCAG
chr5	138160499	138160538	CTNNA1_10052	+	GTGACCTATGCACCAGACGTCTTGGGTGGAAATTTCCAGCTCTTGACCATCCCCCAAAAGAGATCGGAAGAGCGGTTCAG
chr5	138163418	138163457	CTNNA1_10053	+	GTGACCTATGCACCAGACGTCAGCTTTTCTTTGAAGTAAGATATTTATGGATGAGGAGTTAGATCGGAAGAGCGGTTCAG
chr5	138221992	138222031	CTNNA1_10054	+	GTGACCTATGCACCAGACGTTGAAAGTGCTGATTGTTTTTCTAAGTTCTCAATTTTGTAGAGATCGGAAGAGCGGTTCAG
chr5	138223342	138223381	CTNNA1_10055	+	GTGACCTATGCACCAGACGTTAGCAGTTTCATTGACTTGTAGGCAACTTGGTGAAGTGTGAGATCGGAAGAGCGGTTCAG
chr5	138240141	138240180	CTNNA1_10056	+	GTGACCTATGCACCAGACGTACTGACACTGGTGACAGCATAACCAAATTAAATTTTGATTAGATCGGAAGAGCGGTTCAG
chr5	138253598	138253637	CTNNA1_10057	+	GTGACCTATGCACCAGACGTGGTTCCCCAGAGAAGTATGTGAAGATGTTCATAATTACTTAGATCGGAAGAGCGGTTCAG
chr5	138260410	138260449	CTNNA1_10058	+	GTGACCTATGCACCAGACGTTCTCCCTTTCCAGTGCTCGCACACACCGCAGCCTCAGTGAAGATCGGAAGAGCGGTTCAG
chr5	138261107	138261146	CTNNA1_10059	+	GTGACCTATGCACCAGACGTGCATTTCAGACGTCTTAACAGCTTCTTTCTTATCATTTGCAGATCGGAAGAGCGGTTCAG
chr5	138265056	138265095	CTNNA1_10060	+	GTGACCTATGCACCAGACGTGCTCCGTGGGGCAGTTCAGCTTGTGCTGCCGACTTTCCCTAGATCGGAAGAGCGGTTCAG
chr5	138266354	138266393	CTNNA1_10061	+	GTGACCTATGCACCAGACGTCCCCGGCCCCACCAGGCTGCACAGGGGCTACTTTCTTCCCAGATCGGAAGAGCGGTTCAG
chr5	138266635	138266674	CTNNA1_10062	+	GTGACCTATGCACCAGACGTGACTTGCCAGGTGGGTCTCCAAGCTCCTCCTGGGGCTCAGAGATCGGAAGAGCGGTTCAG
chr5	138268412	138268451	CTNNA1_10063	+	GTGACCTATGCACCAGACGTGCTGAACAAAAAGAGGGCCAGTGGGAACGTGCTGACCCTTAGATCGGAAGAGCGGTTCAG
chr5	138269789	138269828	CTNNA1_10064	+	GTGACCTATGCACCAGACGTGCCGGCCGCCCCCACCCCTCGGGGCTCCTGAATATCAGTCAGATCGGAAGAGCGGTTCAG
chr2	38298464	38298503	CYP1B1_10065	+	GTGACCTATGCACCAGACGTTTTAATGTGGAGAGAGAAAAGCAAGTGAGCAAAATTCTTAAGATCGGAAGAGCGGTTCAG
chr2	38302542	38302581	CYP1B1_10066	+	GTGACCTATGCACCAGACGTGAGAGGAGAAGGCGTGACACTCAGGGGTGCAGAGACAGGAAGATCGGAAGAGCGGTTCAG
chr2	38298169	38298208	CYP1B1_10067	+	GTGACCTATGCACCAGACGTGCTGGATCAAAGTTCTCCGGGTTAGGCCACTTCACTGGGTAGATCGGAAGAGCGGTTCAG
chr2	38301846	38301885	CYP1B1_10068	+	GTGACCTATGCACCAGACGTTCGTTGTGGCTGAGCAGCTCACGGAACTCGGGGTCGTCGTAGATCGGAAGAGCGGTTCAG
chr2	38302193	38302232	CYP1B1_10069	+	GTGACCTATGCACCAGACGTGGCCGAGCCCTGCTGCACCAGGGCCTGGTGGATGGCGCGCAGATCGGAAGAGCGGTTCAG
chr11	47236825	47236864	DDB2_10070	+	GTGACCTATGCACCAGACGTTGCCTGCTGCTTGAATATTTCCGCCTTTTAGGGTGCTCGCAGATCGGAAGAGCGGTTCAG
chr11	47238034	47238073	DDB2_10071	+	GTGACCTATGCACCAGACGTTTTTGCCTCAAGTCCTCAAGGGTTTACACGTGCATTTTTAAGATCGGAAGAGCGGTTCAG
chr11	47254521	47254560	DDB2_10072	+	GTGACCTATGCACCAGACGTTAACTAGCAGGGGAAAGGGCTTCTAAGCTTAGGTGTAGTTAGATCGGAAGAGCGGTTCAG
chr11	47256234	47256273	DDB2_10073	+	GTGACCTATGCACCAGACGTCGAGGTCCTGCCTTTCCCTCCCTCACCCCCACCTCGGTTCAGATCGGAAGAGCGGTTCAG
chr11	47256496	47256535	DDB2_10074	+	GTGACCTATGCACCAGACGTCCAGACCTCATCTCTCCTGCAGACCCTGCCTGTCTGACCAAGATCGGAAGAGCGGTTCAG
chr11	47256974	47257013	DDB2_10075	+	GTGACCTATGCACCAGACGTGTGGGAAGGAGCTCGCAGAAGGAGGCTGTGATCATGAGGCAGATCGGAAGAGCGGTTCAG
chr11	47259563	47259602	DDB2_10076	+	GTGACCTATGCACCAGACGTGGTCCTCAAATAATGATGGGAGGAAGCAGGGATTCAACCTAGATCGGAAGAGCGGTTCAG
chr11	47259745	47259784	DDB2_10077	+	GTGACCTATGCACCAGACGTGGAGAATGTCTCTGACTTGCCAAGTCCGATCCTACTTCCCAGATCGGAAGAGCGGTTCAG
chr11	47260411	47260450	DDB2_10078	+	GTGACCTATGCACCAGACGTAGAAGGTGTGGGCCAGACAAGGCCTTGGAGCCCACACATGAGATCGGAAGAGCGGTTCAG
chr7	137076093	137076132	DGKI_10079	+	GTGACCTATGCACCAGACGTATAGTGAGAAAAAAAAAAAGAGAGAGAGAGATAGACACAAAGATCGGAAGAGCGGTTCAG
chr7	137080454	137080493	DGKI_10080	+	GTGACCTATGCACCAGACGTGATGAAATGGGAAACCACCCATAAAGGGGTTGGAGGCAGCAGATCGGAAGAGCGGTTCAG
chr7	137082170	137082209	DGKI_10081	+	GTGACCTATGCACCAGACGTAGAAAGCAAGATGACCGTCAAAAATAAGCTCAAAAACTAAAGATCGGAAGAGCGGTTCAG
chr7	137092752	137092791	DGKI_10082	+	GTGACCTATGCACCAGACGTAGACATACAAAAAGAAGCTCAGGCAGAATTCGGAACAAGGAGATCGGAAGAGCGGTTCAG
chr7	137096964	137097003	DGKI_10083	+	GTGACCTATGCACCAGACGTCAAAAGAGAGATGTCCCATTAGTAGAAGACCCTCTTATTAAGATCGGAAGAGCGGTTCAG
chr7	137128859	137128898	DGKI_10084	+	GTGACCTATGCACCAGACGTATAATAAGCATGATCAATATTTTATATGATAATTATAATGAGATCGGAAGAGCGGTTCAG
chr7	137148368	137148407	DGKI_10085	+	GTGACCTATGCACCAGACGTGAAGGGCACCAGACAGTTAAACATTCAAAGTCAGCCACGTAGATCGGAAGAGCGGTTCAG
chr7	137150792	137150831	DGKI_10086	+	GTGACCTATGCACCAGACGTACAAGAAGTCTGTTGCATGAAGAATAACAAAACAAGTATTAGATCGGAAGAGCGGTTCAG
chr7	137151669	137151708	DGKI_10087	+	GTGACCTATGCACCAGACGTAAAGCGATCAGCAGAAGTTGCTAGGGGAAAAAAAATGCAGAGATCGGAAGAGCGGTTCAG
chr7	137154376	137154415	DGKI_10088	+	GTGACCTATGCACCAGACGTACACACACACTCTAGTGGCTGCATTTCAATAACCTGATGGAGATCGGAAGAGCGGTTCAG
chr7	137170175	137170214	DGKI_10089	+	GTGACCTATGCACCAGACGTAATGAAAAAAAAAATCCATACCTTAAAATTAGTTTGAACAAGATCGGAAGAGCGGTTCAG
chr7	137172446	137172485	DGKI_10090	+	GTGACCTATGCACCAGACGTAGGAAGAAGAAAAATCTAAAATAACATATTTGATTTTTCTAGATCGGAAGAGCGGTTCAG
chr7	137206723	137206762	DGKI_10091	+	GTGACCTATGCACCAGACGTAGAACCGAGTGGTCAGATACAAATGAGAGAGCGGAATTGGAGATCGGAAGAGCGGTTCAG
chr7	137237325	137237364	DGKI_10092	+	GTGACCTATGCACCAGACGTAAGAGTCAAAGGGGAGCAAGGAGTTAGTTATTATTTAAGAAGATCGGAAGAGCGGTTCAG

chr7	137256043	137256082	DGKI_10093	+	GTGACCTATGCACCAGACGTAGATTAAAGACAGAAGTAAATATGTCCCATCCTTCTCATGAGATCGGAAGAGCGGTTCAG
chr7	137257595	137257634	DGKI_10094	+	GTGACCTATGCACCAGACGTGAAAACAGAAAAGGGGTTTTGAAGTAGTCACAAGTCTAAAAGATCGGAAGAGCGGTTCAG
chr7	137262041	137262080	DGKI_10095	+	GTGACCTATGCACCAGACGTGGGAAATAAAGAAGAAGAAATTCGTAATTACATGGTGATAAGATCGGAAGAGCGGTTCAG
chr7	137263082	137263121	DGKI_10096	+	GTGACCTATGCACCAGACGTGGAAAAGTAGTTTTGTTATGGAGACCTCACTAAAGGTAGCAGATCGGAAGAGCGGTTCAG
chr7	137266685	137266724	DGKI_10097	+	GTGACCTATGCACCAGACGTAAACAAAGACAGAGGCAAAATTTTGTGTGGCCAGGCAGAAAGATCGGAAGAGCGGTTCAG
chr7	137270103	137270142	DGKI_10098	+	GTGACCTATGCACCAGACGTAGAGAACATATCCATTGCTGTCCAGAGTGGAGAACAGTGAAGATCGGAAGAGCGGTTCAG
chr7	137271967	137272006	DGKI_10099	+	GTGACCTATGCACCAGACGTATCGGGGGCCAGAAGAGATATAAGAAAGATAAATAAGTTAAGATCGGAAGAGCGGTTCAG
chr7	137282664	137282703	DGKI_10100	+	GTGACCTATGCACCAGACGTAATAGAAGAAAAAGTAAACAAAAGAACATTTCACTGGCTAAGATCGGAAGAGCGGTTCAG
chr7	137284662	137284701	DGKI_10101	+	GTGACCTATGCACCAGACGTTAAATACACAAAAAGGCAATAATAGGAAGAAATTTCCCAAAGATCGGAAGAGCGGTTCAG
chr7	137293821	137293860	DGKI_10102	+	GTGACCTATGCACCAGACGTCAATCAGCACTGTTAGGATACACATCCATGGCTTGAAAGGAGATCGGAAGAGCGGTTCAG
chr7	137294366	137294405	DGKI_10103	+	GTGACCTATGCACCAGACGTAGAGAGAAATGCCTGAGCTCAGAGGCAGCCAGCCCAGGAGAGATCGGAAGAGCGGTTCAG
chr7	137304697	137304736	DGKI_10104	+	GTGACCTATGCACCAGACGTAAATAAGCCAGTAAACAATTCTGGTCAAAGAGTAATGCTGAGATCGGAAGAGCGGTTCAG
chr7	137308311	137308350	DGKI_10105	+	GTGACCTATGCACCAGACGTAGAACAAGAGACAGATAATTTAAAACCACCTCAGTTACAGAGATCGGAAGAGCGGTTCAG
chr7	137339545	137339584	DGKI_10106	+	GTGACCTATGCACCAGACGTAAAAGAAAAGTATATTATATTAGAGATAAGCATCAGACTAAGATCGGAAGAGCGGTTCAG
chr7	137341297	137341336	DGKI_10107	+	GTGACCTATGCACCAGACGTCAATTCAAAAGACAAAAAAGAAATGTTAACAGTCTGTTCTAGATCGGAAGAGCGGTTCAG
chr7	137363409	137363448	DGKI_10108	+	GTGACCTATGCACCAGACGTAAGACCCACCTGACATCAATTTTTTTTTTCCAGGGATAAGAGATCGGAAGAGCGGTTCAG
chr6	10984150	10984189	ELOVL2_10109	+	GTGACCTATGCACCAGACGTTGTATATTTTGAAGAGAAAAATAAAAAGGTTATTTAATAAAGATCGGAAGAGCGGTTCAG
chr6	10990081	10990120	ELOVL2_10110	+	GTGACCTATGCACCAGACGTCAGAGAGGGCATCTCTGTGAGCGAGCCAGGCTGTGCCACAAGATCGGAAGAGCGGTTCAG
chr6	10990686	10990725	ELOVL2_10111	+	GTGACCTATGCACCAGACGTACAGTATAAAAATCACTATTCTTCCAGGAAGGACTGTTCAAGATCGGAAGAGCGGTTCAG
chr6	10995422	10995461	ELOVL2_10112	+	GTGACCTATGCACCAGACGTTTGTAAAGGGGAGAAAAGGGTGAGAAATGGCAGTGTTCCTAGATCGGAAGAGCGGTTCAG
chr6	11000408	11000447	ELOVL2_10113	+	GTGACCTATGCACCAGACGTACCAAGAAAGAAAGAAAAACAAACATCAGCACAAGAATTTAGATCGGAAGAGCGGTTCAG
chr6	11005803	11005842	ELOVL2_10114	+	GTGACCTATGCACCAGACGTACACATACAGTGAGGATCCTGAGGAATGATGCTCCTGTTTAGATCGGAAGAGCGGTTCAG
chr6	11011053	11011092	ELOVL2_10115	+	GTGACCTATGCACCAGACGTAAAGAAAAAATGATTTAAGTGTTTTTTTCTTCTTTTTTTGAGATCGGAAGAGCGGTTCAG
chr6	11044474	11044513	ELOVL2_10116	+	GTGACCTATGCACCAGACGTGGCTGTGGCGCGGCGACCCGGGCGGGCGGCGATGCGCTGTAGATCGGAAGAGCGGTTCAG
chr12	132446510	132446549	EP400_10117	+	GTGACCTATGCACCAGACGTGGAGTTAATTTGTTTAGTACAAATCTTCTAGATGATCAGAAGATCGGAAGAGCGGTTCAG
chr12	132464349	132464388	EP400_10118	+	GTGACCTATGCACCAGACGTACGGCTAGCGTGGCCTCGGGAATGCCCCCCTCTCCTTGGGAGATCGGAAGAGCGGTTCAG
chr12	132466152	132466191	EP400_10119	+	GTGACCTATGCACCAGACGTGCAGCAGAGCCAGCTCCCCGCTCAGGAGCAGGCAGCACACAGATCGGAAGAGCGGTTCAG
chr12	132467034	132467073	EP400_10120	+	GTGACCTATGCACCAGACGTAGATAGAGGAAAAAAAGAAAATGGTTTGCAGGATTTGCTGAGATCGGAAGAGCGGTTCAG
chr12	132471363	132471402	EP400_10121	+	GTGACCTATGCACCAGACGTTTAAGAAAGTTGTAAAATGTACTCCAGTTGGTGAAGCACAAGATCGGAAGAGCGGTTCAG
chr12	132472446	132472485	EP400_10122	+	GTGACCTATGCACCAGACGTATGCGTGGAGCTGCTGTGCTGTGTGCGTTGGTGGGGGCTTAGATCGGAAGAGCGGTTCAG
chr12	132474660	132474699	EP400_10123	+	GTGACCTATGCACCAGACGTCCGTTGTCATGGGGTCGTAAGAATCAGTCTGTCGGAGCTGAGATCGGAAGAGCGGTTCAG
chr12	132475270	132475309	EP400_10124	+	GTGACCTATGCACCAGACGTTTAAAAAAAGGCTCACCACGCTTGGGTGGTATTTTGTTCGAGATCGGAAGAGCGGTTCAG
chr12	132476012	132476051	EP400_10125	+	GTGACCTATGCACCAGACGTGGTTGTTACTGTGCTGTGTGAGAAGGAGTAGAAGCAGCTCAGATCGGAAGAGCGGTTCAG
chr12	132476786	132476825	EP400_10126	+	GTGACCTATGCACCAGACGTCCTCAGCACTATCTTTGTCATCTCCAGGGCTGCTGATGAGAGATCGGAAGAGCGGTTCAG
chr12	132479512	132479551	EP400_10127	+	GTGACCTATGCACCAGACGTGCTACCTTATTAAACATTCAGTAAGTAAAAAGAAACATTTAGATCGGAAGAGCGGTTCAG
chr12	132489740	132489779	EP400_10128	+	GTGACCTATGCACCAGACGTAGCCTTTGGAAGAATTCAGGGTTAAAAGCAGAAGCCGGAGAGATCGGAAGAGCGGTTCAG
chr12	132490858	132490897	EP400_10129	+	GTGACCTATGCACCAGACGTAAGCTTTCAAGTGTGGGATGGGCCTTTGAGAGACAGAGCAAGATCGGAAGAGCGGTTCAG
chr12	132491433	132491472	EP400_10130	+	GTGACCTATGCACCAGACGTGCTAGTTTTTTTAACAATACCTATTTGCTAGGACTTACCTAGATCGGAAGAGCGGTTCAG
chr12	132496190	132496229	EP400_10131	+	GTGACCTATGCACCAGACGTTTTAAACATAAAATAAAGCTAAACAGAAAGCCATGTTAATAGATCGGAAGAGCGGTTCAG
chr12	132497734	132497773	EP400_10132	+	GTGACCTATGCACCAGACGTTACGCGCTTGTCATTGAGTGTTCTTTGCTGTTGATGTAGAAGATCGGAAGAGCGGTTCAG
chr12	132498220	132498259	EP400_10133	+	GTGACCTATGCACCAGACGTTTCTGCCATTTCAGTTAATTAATTAAACATGCGTATGCCTAGATCGGAAGAGCGGTTCAG
chr12	132498469	132498508	EP400_10134	+	GTGACCTATGCACCAGACGTGCTCTGGGCATGTGCCCCCTTTGCTGTCCCTGCCTGTGAGAGATCGGAAGAGCGGTTCAG
chr12	132502277	132502316	EP400_10135	+	GTGACCTATGCACCAGACGTGATCCAGAAAGCGGAATTACTGTTGGATATCTTTTCTAGGAGATCGGAAGAGCGGTTCAG
chr12	132502932	132502971	EP400_10136	+	GTGACCTATGCACCAGACGTCCCAGAGGCAGCGGGGAGGGTTGGCTCCCAGGGCCCCCACAGATCGGAAGAGCGGTTCAG
chr12	132504774	132504813	EP400_10137	+	GTGACCTATGCACCAGACGTCGTAGTTGTCTGCTCTCCGCCTTATGGAGGTTTTTGTGGGAGATCGGAAGAGCGGTTCAG
chr12	132505877	132505916	EP400_10138	+	GTGACCTATGCACCAGACGTTCACCTTTCCAGGTTTCTGCCATCTCTCTACCCCAGAGGAAGATCGGAAGAGCGGTTCAG
chr12	132508497	132508536	EP400_10139	+	GTGACCTATGCACCAGACGTGGATGAGAGAGCACTGATGCCAAAAATGACAAAAGCGCCTAGATCGGAAGAGCGGTTCAG
chr12	132510360	132510399	EP400_10140	+	GTGACCTATGCACCAGACGTCTGAGCAGGAGGGAGACTTGGCTTGGATGCTTCTTTCTCTAGATCGGAAGAGCGGTTCAG
chr12	132512087	132512126	EP400_10141	+	GTGACCTATGCACCAGACGTGAGCTTGAGACCCCGGTGCACGTGGACAGGTAGCTTTCCAAGATCGGAAGAGCGGTTCAG
chr12	132512844	132512883	EP400_10142	+	GTGACCTATGCACCAGACGTCCTCGTGACCTTTTCGGTGCTCTCTGGCTGCATTGCACCCAGATCGGAAGAGCGGTTCAG
chr12	132514459	132514498	EP400_10143	+	GTGACCTATGCACCAGACGTGTTGGGGGCGTGGCCCGTGCGGGAGCTGCACCGGCCCTGGAGATCGGAAGAGCGGTTCAG
chr12	132514714	132514753	EP400_10144	+	GTGACCTATGCACCAGACGTCATTGTTTACATTGTCTCTGATGGGTCAGTCACTGGTGTTAGATCGGAAGAGCGGTTCAG
chr12	132516705	132516744	EP400_10145	+	GTGACCTATGCACCAGACGTGCGGGGGATAGGATCAGGAGATGCAAAGACATCCACATATAGATCGGAAGAGCGGTTCAG
chr12	132522349	132522388	EP400_10146	+	GTGACCTATGCACCAGACGTTTCAATGAGAGGCCTGAGGTGAGACCCGCCATGCGGCGCGAGATCGGAAGAGCGGTTCAG
chr12	132522652	132522691	EP400_10147	+	GTGACCTATGCACCAGACGTATTGAATCTGGCTGAAGAGTTGCACGGTGGGAGCCGGCGGAGATCGGAAGAGCGGTTCAG
chr12	132528018	132528057	EP400_10148	+	GTGACCTATGCACCAGACGTGTTTTCCTTTACAACTACATATTTTAAAAATTTGACGCTTAGATCGGAAGAGCGGTTCAG
chr12	132528284	132528323	EP400_10149	+	GTGACCTATGCACCAGACGTCAACTTTTGGTCAGTGAAAAAAATTTGCAATATTTTCAGAAGATCGGAAGAGCGGTTCAG
chr12	132528867	132528906	EP400_10150	+	GTGACCTATGCACCAGACGTCGGGGCCCTCCTGCCCTCTTGCCCCCCTGCTGAGGGGCACAGATCGGAAGAGCGGTTCAG

chr12	132529271	132529310	EP400_10151	+	GTGACCTATGCACCAGACGTCCCTCTCCCTTTGTGTCTGTGTGGGCAGCTTCCTGTGAGTAGATCGGAAGAGCGGTTCAG
chr12	132529509	132529548	EP400_10152	+	GTGACCTATGCACCAGACGTCGAGGGCGTCACATGACCTGGGGGGGCCCTGGCCTGCAGAAGATCGGAAGAGCGGTTCAG
chr12	132530116	132530155	EP400_10153	+	GTGACCTATGCACCAGACGTGTGGTCTTTGTGCCAGCGGTCATGTGCGGTCATTTTTCTAAGATCGGAAGAGCGGTTCAG
chr12	132530456	132530495	EP400_10154	+	GTGACCTATGCACCAGACGTTCTCGTTTGTCCTTCGAGGAGAGCACAGGCAGGTGTGGTGAGATCGGAAGAGCGGTTCAG
chr12	132535015	132535054	EP400_10155	+	GTGACCTATGCACCAGACGTTGAGTGCTCATTTTATGTTCATTATGACTGAGTAGATTGCAGATCGGAAGAGCGGTTCAG
chr12	132535211	132535250	EP400_10156	+	GTGACCTATGCACCAGACGTATTCGTGACACATTTGTTACTGTTTGGAAGGATTTCATTCAGATCGGAAGAGCGGTTCAG
chr12	132537780	132537819	EP400_10157	+	GTGACCTATGCACCAGACGTTGGGCCCTTCTGCTTGAGTGGGAAAATGTGGTGACTGTGAAGATCGGAAGAGCGGTTCAG
chr12	132538153	132538192	EP400_10158	+	GTGACCTATGCACCAGACGTGCCTCCTCCCGGGCTTCCCCTCTACGGGAAGTCACCCACAAGATCGGAAGAGCGGTTCAG
chr12	132539575	132539614	EP400_10159	+	GTGACCTATGCACCAGACGTTACAGAGATGCTGAAATGTGGACCCCATTTCTCCTGGCGCAGATCGGAAGAGCGGTTCAG
chr12	132539764	132539803	EP400_10160	+	GTGACCTATGCACCAGACGTCTTCACCTGGGTTGTGCACCTTGACTGCATTCTGCCGAAAAGATCGGAAGAGCGGTTCAG
chr12	132546879	132546918	EP400_10161	+	GTGACCTATGCACCAGACGTGCTGGGAGCTTTCTCTGCCACACGTCTGCTCTGGCGCGTGAGATCGGAAGAGCGGTTCAG
chr12	132547257	132547296	EP400_10162	+	GTGACCTATGCACCAGACGTCCCAGAGGACCATGAACGTGTGCGTCTTGCGGTCAGTCAGAGATCGGAAGAGCGGTTCAG
chr12	132549442	132549481	EP400_10163	+	GTGACCTATGCACCAGACGTGTTTCTGTTTGTTTTCCAAAAGCAGCATCTTTTTATGTTTAGATCGGAAGAGCGGTTCAG
chr12	132551525	132551564	EP400_10164	+	GTGACCTATGCACCAGACGTCAGCACACCCTCCCGTCCTGGGCTTGAGCCTGGTTTCACAAGATCGGAAGAGCGGTTCAG
chr12	132552042	132552081	EP400_10165	+	GTGACCTATGCACCAGACGTTAGGGGATTCTCACTTCTGGGTCTATGCCAAGCCAAAGCTAGATCGGAAGAGCGGTTCAG
chr12	132554197	132554236	EP400_10166	+	GTGACCTATGCACCAGACGTAACAGGGTGAGGGCCCGAGTGTCAGGAGTGGGTGCCCGGCAGATCGGAAGAGCGGTTCAG
chr12	132561149	132561188	EP400_10167	+	GTGACCTATGCACCAGACGTTAGACAAAGTGGAAACCTCACATTTCCCAGGTCAGAGAATAGATCGGAAGAGCGGTTCAG
chr12	132562229	132562268	EP400_10168	+	GTGACCTATGCACCAGACGTAGGGCTGCCTCTCATCTAAAGCAAAACTACCTTCCTCACAAGATCGGAAGAGCGGTTCAG
chr12	132445620	132445659	EP400_10169	+	GTGACCTATGCACCAGACGTAGGTGCCCCTGGCCCTGGGCTGGGCCTCTGCAGCAGCAGCAGATCGGAAGAGCGGTTCAG
chr12	132446065	132446104	EP400_10170	+	GTGACCTATGCACCAGACGTCTGCTCCCCGGGGCTGGGGGCGCAGCGGGGTTTGGGATGAAGATCGGAAGAGCGGTTCAG
chr1	22895857	22895896	EPHA8_10171	+	GTGACCTATGCACCAGACGTGGCACTGGGGACAACGTCATCCCTCTGTGAGCAGAGAGAGAGATCGGAAGAGCGGTTCAG
chr1	22903384	22903423	EPHA8_10172	+	GTGACCTATGCACCAGACGTCATGGCCTGGGCATGGGTCAGCCGGCAGCGGTGCTTGGTCAGATCGGAAGAGCGGTTCAG
chr1	22913139	22913178	EPHA8_10173	+	GTGACCTATGCACCAGACGTCTCCGAGATGCCAGTACCCTTGAGCCCAAGACTGGGCCGGAGATCGGAAGAGCGGTTCAG
chr1	22915710	22915749	EPHA8_10174	+	GTGACCTATGCACCAGACGTAAACTCCGTCCCGCAGCGTCCTGGTCCCCCAGCTTCCCCTAGATCGGAAGAGCGGTTCAG
chr1	22915883	22915922	EPHA8_10175	+	GTGACCTATGCACCAGACGTCACATTCTATAAGTAAGAGAAATCCCAAAAGCTCAGAGGCAGATCGGAAGAGCGGTTCAG
chr1	22919954	22919993	EPHA8_10176	+	GTGACCTATGCACCAGACGTCAGGACGGAGTGGGAGGGGCTGGGCCAGCAGGGCAGGGCCAGATCGGAAGAGCGGTTCAG
chr1	22920190	22920229	EPHA8_10177	+	GTGACCTATGCACCAGACGTGGAGGGGGCGTGGGCGCGGAGCAGCCCAGGTGCCAGGACCAGATCGGAAGAGCGGTTCAG
chr1	22921827	22921866	EPHA8_10178	+	GTGACCTATGCACCAGACGTTGGCCCAGCCACACCCAGCCCCTCCTCTCAAGCACCGTACAGATCGGAAGAGCGGTTCAG
chr1	22922677	22922716	EPHA8_10179	+	GTGACCTATGCACCAGACGTGGGCCCGGTGGTCTGGGGCAGAGGGAAGGCCACAGGGGGAAGATCGGAAGAGCGGTTCAG
chr1	22923980	22924019	EPHA8_10180	+	GTGACCTATGCACCAGACGTGGGGTTGTGAGGGCGGGGCCAGCATGGGGCAAGGTGGGGGAGATCGGAAGAGCGGTTCAG
chr1	22924365	22924404	EPHA8_10181	+	GTGACCTATGCACCAGACGTGGCAAAGACAGCCTCCCCCTGCAGTGCCCCTCCTGCCTGGAGATCGGAAGAGCGGTTCAG
chr1	22924716	22924755	EPHA8_10182	+	GTGACCTATGCACCAGACGTCACCCCTGCCTCTTGCATGGGCTTGGGGAGGGAGGTCCAGAGATCGGAAGAGCGGTTCAG
chr1	22925551	22925590	EPHA8_10183	+	GTGACCTATGCACCAGACGTCACACTCCTTCCGGCTAGACTGGGGAGTGGGGAGATGGCGAGATCGGAAGAGCGGTTCAG
chr1	22927314	22927353	EPHA8_10184	+	GTGACCTATGCACCAGACGTAGCCCTGGCAGGTCCGCGGGCGGTGGAGCCTCAGGGTGCAAGATCGGAAGAGCGGTTCAG
chr1	22927592	22927631	EPHA8_10185	+	GTGACCTATGCACCAGACGTCCCACCCCAGCTCCTTGAGGCCCAGCTGCCTCCCAGTATTAGATCGGAAGAGCGGTTCAG
chr1	22927977	22928016	EPHA8_10186	+	GTGACCTATGCACCAGACGTGGTGGGGCTGGGGCCCCATGCGTGTGGGGGCAGGGGGGGGAGATCGGAAGAGCGGTTCAG
chr1	22928245	22928284	EPHA8_10187	+	GTGACCTATGCACCAGACGTGCAGGGCCCAGGCAGCCACCAAGCCCACCCCAGGTCATGCAGATCGGAAGAGCGGTTCAG
chr1	22903052	22903091	EPHA8_10188	+	GTGACCTATGCACCAGACGTACGGAGGTGCGCAGTGTGGGTCCCCTCAGCAAGCGCGGCTAGATCGGAAGAGCGGTTCAG
chr1	22915628	22915667	EPHA8_10189	+	GTGACCTATGCACCAGACGTTCAATGGCGTGTCCGACCTGAGCCCCGAGCCCCGCCGGGCAGATCGGAAGAGCGGTTCAG
chr1	23107989	23108028	EPHB2_10190	+	GTGACCTATGCACCAGACGTGGTCCCCAAACCTTGCATTGGTCCCCAGGATCCCTCAAGCAGATCGGAAGAGCGGTTCAG
chr1	23111580	23111619	EPHB2_10191	+	GTGACCTATGCACCAGACGTGGGTGGGGCACGTGCCCCTGCAAATGCATAGAACTGGTCTAGATCGGAAGAGCGGTTCAG
chr1	23189696	23189735	EPHB2_10192	+	GTGACCTATGCACCAGACGTGGGCCCCTCAAGGGCGATGGCTGGCCGAGTCCCAGGTCTAAGATCGGAAGAGCGGTTCAG
chr1	23191716	23191755	EPHB2_10193	+	GTGACCTATGCACCAGACGTCCGACGTGGGCCAGGGGAGTGCCCCATCGCGCTGTGCCAGAGATCGGAAGAGCGGTTCAG
chr1	23208987	23209026	EPHB2_10194	+	GTGACCTATGCACCAGACGTGCTGGGTGCTGTCCCCATCACCCACCTCCCTGAGGGCCCCAGATCGGAAGAGCGGTTCAG
chr1	23219550	23219589	EPHB2_10195	+	GTGACCTATGCACCAGACGTTCCAGCGGGCAAGAGGAGGGCACAGACTCCACAAACAGAAAGATCGGAAGAGCGGTTCAG
chr1	23222084	23222123	EPHB2_10196	+	GTGACCTATGCACCAGACGTTCTCCAGGCTTGGCCAGGCCTGGCTGTCCCAGATGGCTTCAGATCGGAAGAGCGGTTCAG
chr1	23222982	23223021	EPHB2_10197	+	GTGACCTATGCACCAGACGTACCCAAGCGGGCTGGAACCCTTGGGCCCTTCACTGTCGGTAGATCGGAAGAGCGGTTCAG
chr1	23232613	23232652	EPHB2_10198	+	GTGACCTATGCACCAGACGTGGTACTCTCACATGTACTATGACCTTAGCCATGGCTGGTGAGATCGGAAGAGCGGTTCAG
chr1	23233461	23233500	EPHB2_10199	+	GTGACCTATGCACCAGACGTCCAAGAGGGCCAGGGGCCCATGAATGGGGCAGGAAAAGGAAGATCGGAAGAGCGGTTCAG
chr1	23234672	23234711	EPHB2_10200	+	GTGACCTATGCACCAGACGTGGCAGGGAACACCGGAGTCACAGAGCCAGAGAAGAGGGCAAGATCGGAAGAGCGGTTCAG
chr1	23235675	23235714	EPHB2_10201	+	GTGACCTATGCACCAGACGTAAGGGGATAGGCAAGGCCTCTCTGGCCCACCAGATGGGAGAGATCGGAAGAGCGGTTCAG
chr1	23237079	23237118	EPHB2_10202	+	GTGACCTATGCACCAGACGTACCCTGGCCCTGCCCCAGCCAGGCCCTGCCCCTCTTCCCGAGATCGGAAGAGCGGTTCAG
chr1	23239103	23239142	EPHB2_10203	+	GTGACCTATGCACCAGACGTAGCCACTTCTGCTTGTCACCTTAGCACCCCCTCTCCACCGAGATCGGAAGAGCGGTTCAG
chr1	23240074	23240113	EPHB2_10204	+	GTGACCTATGCACCAGACGTCCTCGGCTCACCTCTTCCTCCAAGCCCCGCCCCCTCTGCCAGATCGGAAGAGCGGTTCAG
chr1	23111237	23111276	EPHB2_10205	+	GTGACCTATGCACCAGACGTACACCGAGGTGCGGAGCTTCGGACCTGTGTCCCGCAGCGGAGATCGGAAGAGCGGTTCAG
chr21	39755856	39755895	ERG_10206	+	GTGACCTATGCACCAGACGTCAGGAGAGGAAGGAAAACTCCAGTGAGCACAGGTTCCAGGAGATCGGAAGAGCGGTTCAG
chr21	39762975	39763014	ERG_10207	+	GTGACCTATGCACCAGACGTAAGAAACAAAGTCAAATCCTAGACATAGTTGTAACATAGTAGATCGGAAGAGCGGTTCAG
chr21	39763648	39763687	ERG_10208	+	GTGACCTATGCACCAGACGTAGAAATACAAAAGGCAATTAGCTATAACAGATTTGGTCACAGATCGGAAGAGCGGTTCAG

chr21	39764377	39764416	ERG_10209	+	GTGACCTATGCACCAGACGTAAATAAATTGACTAAAAGATCAATCATGTAATTTTTATAAAGATCGGAAGAGCGGTTCAG
chr21	39772578	39772617	ERG_10210	+	GTGACCTATGCACCAGACGTAAGGAAAGACAAACATGTGAAGGTCTTTTGTTGTGGTTGTAGATCGGAAGAGCGGTTCAG
chr21	39774570	39774609	ERG_10211	+	GTGACCTATGCACCAGACGTAAACAAAAAGCGACATCAAAATGAAAAAAAAAAGAGAGAGAGATCGGAAGAGCGGTTCAG
chr21	39775642	39775681	ERG_10212	+	GTGACCTATGCACCAGACGTTGGGAACACATTCAGTCAATTCCTGAAGCCAGGGATCTTCAGATCGGAAGAGCGGTTCAG
chr21	39795454	39795493	ERG_10213	+	GTGACCTATGCACCAGACGTTTGGCCACACTGCATTCATCAGGAGAGTTCCTGGAGGAGAAGATCGGAAGAGCGGTTCAG
chr21	39795494	39795533	ERG_10214	+	GTGACCTATGCACCAGACGTAGAAATATTCTTCCATTATAACAGCAATCAAAGAGCATGTAGATCGGAAGAGCGGTTCAG
chr21	39817555	39817594	ERG_10215	+	GTGACCTATGCACCAGACGTAAAGAAACACATAATTCAAGACACTCCAACAGACAGTCATAGATCGGAAGAGCGGTTCAG
chr21	39870315	39870354	ERG_10216	+	GTGACCTATGCACCAGACGTAGTTTATTGATCGTTAATAAATGTTAATAATAATTATTGCAGATCGGAAGAGCGGTTCAG
chr21	39947635	39947674	ERG_10217	+	GTGACCTATGCACCAGACGTAAGCCAGCCCATCTACCAGCTGTTCAGAACCTGACGGCTAAGATCGGAAGAGCGGTTCAG
chr21	39755595	39755634	ERG_10218	+	GTGACCTATGCACCAGACGTGAACTTGTAGGCGTAGCGCTTCCCATGGACCTTGGTCATGAGATCGGAAGAGCGGTTCAG
chr11	44129809	44129848	EXT2_10219	+	GTGACCTATGCACCAGACGTCTCATACAGCCCAGCCCCCAGGAGATACTTGAGTGGCCCTAGATCGGAAGAGCGGTTCAG
chr11	44130844	44130883	EXT2_10220	+	GTGACCTATGCACCAGACGTTATTTGGGGCTGTCCTTATGATGGGTTCAAGATCATTTTGAGATCGGAAGAGCGGTTCAG
chr11	44135862	44135901	EXT2_10221	+	GTGACCTATGCACCAGACGTTTCATCCCAGCCAGGTGTGCCTTTACTGAATCTGTGAGATAGATCGGAAGAGCGGTTCAG
chr11	44146545	44146584	EXT2_10222	+	GTGACCTATGCACCAGACGTTTCATTACCTCTCGCAAAGGCTCAGGAGAGTTTGCTTACAAGATCGGAAGAGCGGTTCAG
chr11	44148516	44148555	EXT2_10223	+	GTGACCTATGCACCAGACGTCCTCCTAGTAAACTCTACATTAGTGGTTCTGCGTATATTAAGATCGGAAGAGCGGTTCAG
chr11	44151699	44151738	EXT2_10224	+	GTGACCTATGCACCAGACGTAAGTCTTGGGGAGGTGACATGGGTGGTACCGAAATGGTGGAGATCGGAAGAGCGGTTCAG
chr11	44193303	44193342	EXT2_10225	+	GTGACCTATGCACCAGACGTTCCAGTGCTAGCCACATGAGGCATGGTCCAGCTGTCAGGGAGATCGGAAGAGCGGTTCAG
chr11	44219579	44219618	EXT2_10226	+	GTGACCTATGCACCAGACGTTTAGTGCCTCTCTCAGCTGGATCAATTTTGGATGGCCAAAAGATCGGAAGAGCGGTTCAG
chr11	44228520	44228559	EXT2_10227	+	GTGACCTATGCACCAGACGTTTTACACAGTGTGTTTATATGTTTAATATTACTTCCTATGAGATCGGAAGAGCGGTTCAG
chr11	44254057	44254096	EXT2_10228	+	GTGACCTATGCACCAGACGTGCAGTCCTGGCAAGGTGACAAAACTGAGAGAATGATACACAGATCGGAAGAGCGGTTCAG
chr11	44257936	44257975	EXT2_10229	+	GTGACCTATGCACCAGACGTCTCCAACCAAAAGTGCGCCTTAGCCTCTGATCTCTATTTCAGATCGGAAGAGCGGTTCAG
chr11	44265848	44265887	EXT2_10230	+	GTGACCTATGCACCAGACGTTGGTGGAGGTCTGAATGTGAGGCTGGGACAGAGGGAGAGAAGATCGGAAGAGCGGTTCAG
chr11	44129541	44129580	EXT2_10231	+	GTGACCTATGCACCAGACGTCTATCGCTGTGGCTTCAACCCAAAGAACAAAATCAAGGTGAGATCGGAAGAGCGGTTCAG
chr9	97864143	97864182	FANCC_10232	+	GTGACCTATGCACCAGACGTGACAGAAGAGAAGGCAAATTAAAACACTTTCCAGACAGATAGATCGGAAGAGCGGTTCAG
chr9	97869562	97869601	FANCC_10233	+	GTGACCTATGCACCAGACGTGTATTTCACAGGGGAGAGGTTAGGAAGAGGCAGGACAGACAGATCGGAAGAGCGGTTCAG
chr9	97873930	97873969	FANCC_10234	+	GTGACCTATGCACCAGACGTGGCAGAACACATGGCAGTTGACAACCTAAATTCTTCTTCCAGATCGGAAGAGCGGTTCAG
chr9	97877003	97877042	FANCC_10235	+	GTGACCTATGCACCAGACGTAGAGAGATACGTCAGAGGGCAACTGAGGAAATGTCAAGCCAGATCGGAAGAGCGGTTCAG
chr9	97879683	97879722	FANCC_10236	+	GTGACCTATGCACCAGACGTATGGAAAATCCAAAGAGCATGAACATTAAGATTGAAACGGAGATCGGAAGAGCGGTTCAG
chr9	97887478	97887517	FANCC_10237	+	GTGACCTATGCACCAGACGTCAAAGTCAGATCAGAACACGTTTAACAAGTAATCCGGCAAAGATCGGAAGAGCGGTTCAG
chr9	97888874	97888913	FANCC_10238	+	GTGACCTATGCACCAGACGTAGAAGACCATGAGAATGTGAAATATCACAAGCACTTTCTCAGATCGGAAGAGCGGTTCAG
chr9	97897795	97897834	FANCC_10239	+	GTGACCTATGCACCAGACGTGAAATAAACAAAATTTTAAACAGAAATGGCTCACTGAAAAAGATCGGAAGAGCGGTTCAG
chr9	97912380	97912419	FANCC_10240	+	GTGACCTATGCACCAGACGTAATAAGAAATAATCACTCAAATCTAAGAGCCATGCATAATAGATCGGAAGAGCGGTTCAG
chr9	97933436	97933475	FANCC_10241	+	GTGACCTATGCACCAGACGTAAATCAGTTGCAGGTTAACTCACGCTGCAAACAGGATTACAGATCGGAAGAGCGGTTCAG
chr9	97934440	97934479	FANCC_10242	+	GTGACCTATGCACCAGACGTTAAACAGAAAAAGTTAACTTCTTTAAAAGTAAATGCAAGTAGATCGGAAGAGCGGTTCAG
chr9	98003036	98003075	FANCC_10243	+	GTGACCTATGCACCAGACGTGAAAACTTAATAAGTTTTATCAAGCAGAAAAAATCATTAAAGATCGGAAGAGCGGTTCAG
chr9	98009809	98009848	FANCC_10244	+	GTGACCTATGCACCAGACGTAAAATAAATTTTGGTCAGTAAAGGCATTATGCAACTTAGAAGATCGGAAGAGCGGTTCAG
chr9	98011584	98011623	FANCC_10245	+	GTGACCTATGCACCAGACGTGCGAAAAGGTGATGTCCCTTCACAGCAGCCTGTCCAGCACAGATCGGAAGAGCGGTTCAG
chr9	35074224	35074263	FANCG_10246	+	GTGACCTATGCACCAGACGTAGAAGGATGATGCCTAAGGGTGAAAGATTGGCAGAAAGCTAGATCGGAAGAGCGGTTCAG
chr9	35074502	35074541	FANCG_10247	+	GTGACCTATGCACCAGACGTAGCCCAGAGTACAGAGTCTTAGAACTTGACATAGTCTTAGAGATCGGAAGAGCGGTTCAG
chr9	35075090	35075129	FANCG_10248	+	GTGACCTATGCACCAGACGTCTCCCAAAGTCAAGAAGTGTCTTCCCAGCCTCACAGTCACAGATCGGAAGAGCGGTTCAG
chr9	35075333	35075372	FANCG_10249	+	GTGACCTATGCACCAGACGTACACAGAACAGGGGTGAAGAGGAATCAATTTCAGAAACTCAGATCGGAAGAGCGGTTCAG
chr9	35075762	35075801	FANCG_10250	+	GTGACCTATGCACCAGACGTAAGAAGAAGCAGTGTCTTGAAAGGCATGAGCCACCATCCCAGATCGGAAGAGCGGTTCAG
chr9	35076036	35076075	FANCG_10251	+	GTGACCTATGCACCAGACGTAAAGCCCATAAGCCTCACCCTAGGCCCTAGCAGGGAACCTAGATCGGAAGAGCGGTTCAG
chr9	35076591	35076630	FANCG_10252	+	GTGACCTATGCACCAGACGTAAGAAAAAAATTGTATCTATAATCTTTGGGAGCCATACTTAGATCGGAAGAGCGGTTCAG
chr9	35076878	35076917	FANCG_10253	+	GTGACCTATGCACCAGACGTAGGAGGACACGGGCCTCAGCTACCCTTACAAAGCAAAAAGAGATCGGAAGAGCGGTTCAG
chr9	35077109	35077148	FANCG_10254	+	GTGACCTATGCACCAGACGTTCAGGGTGTGAGCTTGGAGAGGGCTATAGAGCAGGGGTCAAGATCGGAAGAGCGGTTCAG
chr9	35077407	35077446	FANCG_10255	+	GTGACCTATGCACCAGACGTAAGGACAACCAGAAGCTCCAAGCCTACAACCTCCTCGTCTAGATCGGAAGAGCGGTTCAG
chr9	35078351	35078390	FANCG_10256	+	GTGACCTATGCACCAGACGTTACACACACACATAGACACACACACAGCTGAAGTAGCACCAGATCGGAAGAGCGGTTCAG
chr9	35078744	35078783	FANCG_10257	+	GTGACCTATGCACCAGACGTAATGTTGGTCTTACAGACTGCTCCCCCATGGAAGATCCTCAGATCGGAAGAGCGGTTCAG
chr9	35079249	35079288	FANCG_10258	+	GTGACCTATGCACCAGACGTAGGGAGGGGTTGTCACTGAGGATCAATCCTTTTTTCTCCCAGATCGGAAGAGCGGTTCAG
chr9	35079532	35079571	FANCG_10259	+	GTGACCTATGCACCAGACGTGCTGGGCCCGGAGACCAGAAGCGGACTTAGGAAGGGTGAAAGATCGGAAGAGCGGTTCAG
chr1	11168354	11168393	MTOR_10260	+	GTGACCTATGCACCAGACGTAGGAACAAAAACATTTCACTCTCTTCCTGGCAATCGATGCAGATCGGAAGAGCGGTTCAG
chr1	11169438	11169477	MTOR_10261	+	GTGACCTATGCACCAGACGTCAAAAGTAGAAATAACTGTAAGAATGGGAGCAATACAACAAGATCGGAAGAGCGGTTCAG
chr1	11169797	11169836	MTOR_10262	+	GTGACCTATGCACCAGACGTAGAAATCAATTAACAGAAAATTCAAACACCAAAAAGCCACAGATCGGAAGAGCGGTTCAG
chr1	11172985	11173024	MTOR_10263	+	GTGACCTATGCACCAGACGTAAATAAAGAGTATTGAAACATGCTTCAAATTTTGACTTGAAGATCGGAAGAGCGGTTCAG
chr1	11174521	11174560	MTOR_10264	+	GTGACCTATGCACCAGACGTGACAGAGCCACTCACCACAGGAGTTACTAACTCTCCACCCAGATCGGAAGAGCGGTTCAG
chr1	11174955	11174994	MTOR_10265	+	GTGACCTATGCACCAGACGTATAAATGGGAAAAGCCAAATCAATGTTTATTTTCTTTACCAGATCGGAAGAGCGGTTCAG
chr1	11175536	11175575	MTOR_10266	+	GTGACCTATGCACCAGACGTCAGAAGACAGATCAGGGAGGGATCAACAGAGATAACGGATAGATCGGAAGAGCGGTTCAG

chr1	11177154	11177193	MTOR_10267	+	GTGACCTATGCACCAGACGTGGAGTGCATGTGAACTACGGTTCTGGAAACTTTAATTTCAAGATCGGAAGAGCGGTTCAG
chr1	11181436	11181475	MTOR_10268	+	GTGACCTATGCACCAGACGTACACAACTGTTCAGTAAGAGAGCAGCCTAAGACATGTAGTAGATCGGAAGAGCGGTTCAG
chr1	11182194	11182233	MTOR_10269	+	GTGACCTATGCACCAGACGTCAGAAAAGCAGGGTTAGTGTACCGTAAAGAGAGTATACCCAGATCGGAAGAGCGGTTCAG
chr1	11184701	11184740	MTOR_10270	+	GTGACCTATGCACCAGACGTCAGTGGGAGCGGTGAGTGTACATCAGAGGTCCTCAGCTCTAGATCGGAAGAGCGGTTCAG
chr1	11186864	11186903	MTOR_10271	+	GTGACCTATGCACCAGACGTTTACCAAAGGATTTAGTGTTCTGCCTCCAGGGAAGAATTTAGATCGGAAGAGCGGTTCAG
chr1	11187212	11187251	MTOR_10272	+	GTGACCTATGCACCAGACGTAAGCAGGCACGTTTTCAAGTTATCAAAGTCTCAACCAACCAGATCGGAAGAGCGGTTCAG
chr1	11187874	11187913	MTOR_10273	+	GTGACCTATGCACCAGACGTGAGAAGAAGGAGAGAAGCATCAAGAATCAGCTAACCTCAGAGATCGGAAGAGCGGTTCAG
chr1	11188194	11188233	MTOR_10274	+	GTGACCTATGCACCAGACGTAACAGAAGAAACATCTATAAAGGAAATGTGGGTTGGGGAAAGATCGGAAGAGCGGTTCAG
chr1	11188620	11188659	MTOR_10275	+	GTGACCTATGCACCAGACGTAAAAGACACAGTATGTAGCATATGAGACTTGAAACAACTAAGATCGGAAGAGCGGTTCAG
chr1	11189019	11189058	MTOR_10276	+	GTGACCTATGCACCAGACGTAATGAGAAAGTCACAGAAAATTTAGTTTCCCAGTTTTTGCAGATCGGAAGAGCGGTTCAG
chr1	11190845	11190884	MTOR_10277	+	GTGACCTATGCACCAGACGTAGAAAGGCAAGGACAGACACTGGAGCTGTGACCAACAGCAAGATCGGAAGAGCGGTTCAG
chr1	11193265	11193304	MTOR_10278	+	GTGACCTATGCACCAGACGTAGAAACAAGCCCCCATGACATTCCCTCCTCAAAACAGCCCAGATCGGAAGAGCGGTTCAG
chr1	11194534	11194573	MTOR_10279	+	GTGACCTATGCACCAGACGTACAAAGGCACAGAGAGCCACTTGGCTTGTGGCCCAGCTTCAGATCGGAAGAGCGGTTCAG
chr1	11199503	11199542	MTOR_10280	+	GTGACCTATGCACCAGACGTAGAGAAACTGGGTTATAGACAGAACTGGACAGCCCAGGGAAGATCGGAAGAGCGGTTCAG
chr1	11204823	11204862	MTOR_10281	+	GTGACCTATGCACCAGACGTCAAATCGCATTCCAAACTAATTACTGCACGAACAATCCAAAGATCGGAAGAGCGGTTCAG
chr1	11205113	11205152	MTOR_10282	+	GTGACCTATGCACCAGACGTAACAACCCTTGGGACTGAGCTCTGGACTTGGGAGCTTAGGAGATCGGAAGAGCGGTTCAG
chr1	11206859	11206898	MTOR_10283	+	GTGACCTATGCACCAGACGTACACATAGACAGAAAGCATCAAGGGGGTTGGCTGGTTGGGAGATCGGAAGAGCGGTTCAG
chr1	11210294	11210333	MTOR_10284	+	GTGACCTATGCACCAGACGTTGAATTATATAGTCAGATTAATCCAAATCTCCTTAAACTAAGATCGGAAGAGCGGTTCAG
chr1	11217359	11217398	MTOR_10285	+	GTGACCTATGCACCAGACGTGGAAAGAAAGACTGCTGTGAGGTACACAGAAGAAGGGATCAGATCGGAAGAGCGGTTCAG
chr1	11227585	11227624	MTOR_10286	+	GTGACCTATGCACCAGACGTAAAGGGAAAAGGTAGTTACACTCAACAGGTCTGAGGGTAGAGATCGGAAGAGCGGTTCAG
chr1	11259471	11259510	MTOR_10287	+	GTGACCTATGCACCAGACGTGCAAAACCTCACAGCACAGGAAAATGGCAGATGGGGCACAAGATCGGAAGAGCGGTTCAG
chr1	11259771	11259810	MTOR_10288	+	GTGACCTATGCACCAGACGTAGAAGGTGGAAAATGGAGAGACCTCCCGTGCCTCTGCCTGAGATCGGAAGAGCGGTTCAG
chr1	11264771	11264810	MTOR_10289	+	GTGACCTATGCACCAGACGTACAGGTGACAATGGAAAACAATCAGTTTCAAGGGCCAATTAGATCGGAAGAGCGGTTCAG
chr1	11269526	11269565	MTOR_10290	+	GTGACCTATGCACCAGACGTAGATTTATAGGAAACACCTATAACTCTACTAGATGCTTCTAGATCGGAAGAGCGGTTCAG
chr1	11270974	11271013	MTOR_10291	+	GTGACCTATGCACCAGACGTAGGGGGAAGAGATGAGAAACTATCATTTTGGAGAGTGGAGAGATCGGAAGAGCGGTTCAG
chr1	11272542	11272581	MTOR_10292	+	GTGACCTATGCACCAGACGTCACTAACATACAGTAACTGCTAACATACAATCTCCAAGGAAGATCGGAAGAGCGGTTCAG
chr1	11272976	11273015	MTOR_10293	+	GTGACCTATGCACCAGACGTGAGCAAAAGCATGGTGATGAATAGTCAGGTCCCAAGTATCAGATCGGAAGAGCGGTTCAG
chr1	11273634	11273673	MTOR_10294	+	GTGACCTATGCACCAGACGTAGAAAAGTCAGAGGAGCTGAGTCAGGTCCCTTTCTGATGAAGATCGGAAGAGCGGTTCAG
chr1	11276302	11276341	MTOR_10295	+	GTGACCTATGCACCAGACGTCAAGAGGTCAACCAGCTGGTATCATGAAGGACATTGAACCAGATCGGAAGAGCGGTTCAG
chr1	11288986	11289025	MTOR_10296	+	GTGACCTATGCACCAGACGTACAACAGAGAGTGTTAGAGCTACACATGGCATGACGTGACAGATCGGAAGAGCGGTTCAG
chr1	11291122	11291161	MTOR_10297	+	GTGACCTATGCACCAGACGTAAGGGGAGGGAAAAAAGAAAACATTCATCACAACATGATTAGATCGGAAGAGCGGTTCAG
chr1	11291502	11291541	MTOR_10298	+	GTGACCTATGCACCAGACGTACAAGAACACGATTCAATGAGCCAGTACGAGAGAAAAGAAAGATCGGAAGAGCGGTTCAG
chr1	11292596	11292635	MTOR_10299	+	GTGACCTATGCACCAGACGTAAAAAGAGGGTGGCAGAAAGGGTTAGAAATTCTGGCATTAAGATCGGAAGAGCGGTTCAG
chr1	11293555	11293594	MTOR_10300	+	GTGACCTATGCACCAGACGTAAGTTATGAGAAAATGAATGCAGATTAGACTCTACTAGAAAGATCGGAAGAGCGGTTCAG
chr1	11294333	11294372	MTOR_10301	+	GTGACCTATGCACCAGACGTGAAAGGCTCATATGTTCTCTATGGCAGAAGACATTCTAGAAGATCGGAAGAGCGGTTCAG
chr1	11298116	11298155	MTOR_10302	+	GTGACCTATGCACCAGACGTAATGGAGCCTTTGAACATTTCCTCATGATCCCATCACTCCAGATCGGAAGAGCGGTTCAG
chr1	11298685	11298724	MTOR_10303	+	GTGACCTATGCACCAGACGTAGGCAGAGAGAAAACAGAATAAACACTGCTGCTGTAGACAAGATCGGAAGAGCGGTTCAG
chr1	11300615	11300654	MTOR_10304	+	GTGACCTATGCACCAGACGTGGAAACAAGTCACATAAGGGCTGGGCACATGACACTCAGTAGATCGGAAGAGCGGTTCAG
chr1	11301749	11301788	MTOR_10305	+	GTGACCTATGCACCAGACGTATGGAGAGTGGCTAGTTGAGACATAATGACATTCTTTAATAGATCGGAAGAGCGGTTCAG
chr1	11303368	11303407	MTOR_10306	+	GTGACCTATGCACCAGACGTAAAAGACAAAGTAGATAGCTCCAGGTCAGGGTTAGGGTCTAGATCGGAAGAGCGGTTCAG
chr1	11307801	11307840	MTOR_10307	+	GTGACCTATGCACCAGACGTAAGGATAAAGGGTTGGCAGGGGAAAAGTGAGGTGTGGAGCAGATCGGAAGAGCGGTTCAG
chr1	11308162	11308201	MTOR_10308	+	GTGACCTATGCACCAGACGTGAGGAGGAAAAAAATCATCTTTACTTATGACTGGCATTCAAGATCGGAAGAGCGGTTCAG
chr1	11314041	11314080	MTOR_10309	+	GTGACCTATGCACCAGACGTAGACAGGGTGCCTTCATTAGAGACAGAGTACAAACCCAGAAGATCGGAAGAGCGGTTCAG
chr1	11316260	11316299	MTOR_10310	+	GTGACCTATGCACCAGACGTAAGCAAACCGAGAACTCTCATTGGTACCAGAGTTTTGTTCAGATCGGAAGAGCGGTTCAG
chr1	11317233	11317272	MTOR_10311	+	GTGACCTATGCACCAGACGTGAGGAAGGCAAAAGGTGATGATGGGGCGTATGCTGGCCAGAGATCGGAAGAGCGGTTCAG
chr1	11318661	11318700	MTOR_10312	+	GTGACCTATGCACCAGACGTAGATATAATCAGAACAATTTCTAATAATTCTCTAACTGTGAGATCGGAAGAGCGGTTCAG
chr1	11319477	11319516	MTOR_10313	+	GTGACCTATGCACCAGACGTGGTTCTTTAGAGAGAAGTTTCCTTTAATATTCTGGATAAGAGATCGGAAGAGCGGTTCAG
chrX	48649747	48649786	GATA1_10314	+	GTGACCTATGCACCAGACGTTGAGTGGCTGTCTTGGCATTGGCTGAGTGCTGTTGGGGTTAGATCGGAAGAGCGGTTCAG
chrX	48650639	48650678	GATA1_10315	+	GTGACCTATGCACCAGACGTCAAAAAAGGACAGGGAAGTTGAGGTGGGAGGGGTGGCCCAAGATCGGAAGAGCGGTTCAG
chrX	48650886	48650925	GATA1_10316	+	GTGACCTATGCACCAGACGTAGACCTGCTTCACCTTATACACAGGAACCCCTGTCCTCACAGATCGGAAGAGCGGTTCAG
chrX	48652582	48652621	GATA1_10317	+	GTGACCTATGCACCAGACGTCATGGCCTCCAGAGGAGGGGTGGTGTCCTTCTCCTCTTGTAGATCGGAAGAGCGGTTCAG
chr3	155588697	155588736	GMPS_10318	+	GTGACCTATGCACCAGACGTGGGTCCCTGCAGCACCGCATCCCGGCGGAGGCGAGGCTCCAGATCGGAAGAGCGGTTCAG
chr3	155611499	155611538	GMPS_10319	+	GTGACCTATGCACCAGACGTCACTAATCTTTTCATGAGGAGATTGAACTTAGATTGTGGAAGATCGGAAGAGCGGTTCAG
chr3	155615841	155615880	GMPS_10320	+	GTGACCTATGCACCAGACGTAAATTTGTTTTGAAAGCTTACTTATATTTTATTCTGTTTGAGATCGGAAGAGCGGTTCAG
chr3	155621760	155621799	GMPS_10321	+	GTGACCTATGCACCAGACGTTTTAGATGAATAAGAACAATAGTAATTAACTAATTTAAAGAGATCGGAAGAGCGGTTCAG
chr3	155624063	155624102	GMPS_10322	+	GTGACCTATGCACCAGACGTTAAAAATTTTGCAGAGTTCATTTAAAAAACTTTATCTGAAAGATCGGAAGAGCGGTTCAG
chr3	155628685	155628724	GMPS_10323	+	GTGACCTATGCACCAGACGTTATTATCTGGAAGTCTACAAATTTATATCAATAATATTGGAGATCGGAAGAGCGGTTCAG
chr3	155629079	155629118	GMPS_10324	+	GTGACCTATGCACCAGACGTACCTCAGAAAAGTTAACTTACATGTTAGGACTTGTTTAATAGATCGGAAGAGCGGTTCAG

chr3	155632370	155632409	GMPS_10325	+	GTGACCTATGCACCAGACGTTTTTAATATCCTCAACATGTACTATTTTTGATGTGAATCTAGATCGGAAGAGCGGTTCAG
chr3	155633992	155634031	GMPS_10326	+	GTGACCTATGCACCAGACGTATGAAAACTTTTTCATAAAGTAGATACATGGAAAGTCTTCAGATCGGAAGAGCGGTTCAG
chr3	155637138	155637177	GMPS_10327	+	GTGACCTATGCACCAGACGTGAACTGAATTTTGTTTGATTCATCTTTAGACCTTCATGTTAGATCGGAAGAGCGGTTCAG
chr3	155640102	155640141	GMPS_10328	+	GTGACCTATGCACCAGACGTATACAGCTAATCATTACAAGAAATTGAACGGATTCTTATTAGATCGGAAGAGCGGTTCAG
chr3	155649680	155649719	GMPS_10329	+	GTGACCTATGCACCAGACGTCAGGAGCTAGGGTGGGGGCTTGTGTAATGGAAGGATGTATAGATCGGAAGAGCGGTTCAG
chr3	155652846	155652885	GMPS_10330	+	GTGACCTATGCACCAGACGTCATGTTTTTGATTACTACCCTCTGAAACTAGTTTTTGGAAAGATCGGAAGAGCGGTTCAG
chr3	155654310	155654349	GMPS_10331	+	GTGACCTATGCACCAGACGTTATTTTTTTCTAATGCACGTTCTCAGTACCTCTTACATTTAGATCGGAAGAGCGGTTCAG
chr3	155655492	155655531	GMPS_10332	+	GTGACCTATGCACCAGACGTGTTCTATTAAAGTACCGTGTGCAGTTTAAATTGATTAGAAAGATCGGAAGAGCGGTTCAG
chrX	132670332	132670371	GPC3_10333	+	GTGACCTATGCACCAGACGTAAAGAGAAGGATTTGAAATGCAAGTCTACCCATAGCCTCAAGATCGGAAGAGCGGTTCAG
chrX	132730638	132730677	GPC3_10334	+	GTGACCTATGCACCAGACGTACAACCAGGAATGCATCAGCTCTTCATATTTCTCAGGTGGAGATCGGAAGAGCGGTTCAG
chrX	132795889	132795928	GPC3_10335	+	GTGACCTATGCACCAGACGTGAAGGTAAAGAAAAGGTTTGTCAAAGAAAGTCCCAAACAAAGATCGGAAGAGCGGTTCAG
chrX	132826533	132826572	GPC3_10336	+	GTGACCTATGCACCAGACGTAACAAAACATCTGTGCATAAGAGGCAAGTAAACTCAGTATAGATCGGAAGAGCGGTTCAG
chrX	132834067	132834106	GPC3_10337	+	GTGACCTATGCACCAGACGTAAATGCAATATAATTATATGATACTTGTGCAGATATGATAAGATCGGAAGAGCGGTTCAG
chrX	132888214	132888253	GPC3_10338	+	GTGACCTATGCACCAGACGTAAAAAAAAAAGAGACACAAAAATGTGTACAAATTAAAGCAAGATCGGAAGAGCGGTTCAG
chrX	133087249	133087288	GPC3_10339	+	GTGACCTATGCACCAGACGTCAAGGTTTTCATGTTTCAGTAAGCAGGATCTCTCTCTCACAGATCGGAAGAGCGGTTCAG
chrX	133119487	133119526	GPC3_10340	+	GTGACCTATGCACCAGACGTAGGGAGCTAGGAGAGCGCGGGAGAGTGGCAGCCGGAGCGAAGATCGGAAGAGCGGTTCAG
chrX	132887866	132887905	GPC3_10341	+	GTGACCTATGCACCAGACGTGACTTGCAGTGACTTGGAAACCTGGGTCATAATAAGCTTGAGATCGGAAGAGCGGTTCAG
chr2	239974843	239974882	HDAC4_10342	+	GTGACCTATGCACCAGACGTCGCAAGAGAAGGAGATGGGGGCGTGGGGCAGGTGCACCACAGATCGGAAGAGCGGTTCAG
chr2	239975308	239975347	HDAC4_10343	+	GTGACCTATGCACCAGACGTGGGGTGAGGAAAGTCGCTCAGTGACTACAACTTAGCAGGAAGATCGGAAGAGCGGTTCAG
chr2	239976540	239976579	HDAC4_10344	+	GTGACCTATGCACCAGACGTATGCATAAGAATATAAAGACTGCCAATATAATCCACACGTAGATCGGAAGAGCGGTTCAG
chr2	239988562	239988601	HDAC4_10345	+	GTGACCTATGCACCAGACGTAAACGGGAGACTGCAGTGTGAACGGGGGAGGACCGCAGCCAGATCGGAAGAGCGGTTCAG
chr2	239990314	239990353	HDAC4_10346	+	GTGACCTATGCACCAGACGTCAGGAGAAGGCGTTACTGGGTCAGCTGAAAGAGGGACGGGAGATCGGAAGAGCGGTTCAG
chr2	240002899	240002938	HDAC4_10347	+	GTGACCTATGCACCAGACGTAAGGAGAGAAACACACGTCATGGACCCCGAGCGGGACCTGAGATCGGAAGAGCGGTTCAG
chr2	240003928	240003967	HDAC4_10348	+	GTGACCTATGCACCAGACGTAGGGACAACTACTTCAGGGCTGAGGCAGGTATTGGAGGGTAGATCGGAAGAGCGGTTCAG
chr2	240005949	240005988	HDAC4_10349	+	GTGACCTATGCACCAGACGTGAACTGACGCTGGAGACGAAGCGCAGGTGGGCGGTGGCCAAGATCGGAAGAGCGGTTCAG
chr2	240009321	240009360	HDAC4_10350	+	GTGACCTATGCACCAGACGTCACCAGACAGCCAGGAGAGAGCAACAAAAGACACACTTTGAGATCGGAAGAGCGGTTCAG
chr2	240011823	240011862	HDAC4_10351	+	GTGACCTATGCACCAGACGTAACACCCCACAGTGAGGTCACCCTCCCAGGCCACCGTCATAGATCGGAAGAGCGGTTCAG
chr2	240016763	240016802	HDAC4_10352	+	GTGACCTATGCACCAGACGTGAGGGAGACGGTCAGAGAGGCCAAGGGCACGCGGCCAAGGAGATCGGAAGAGCGGTTCAG
chr2	240024603	240024642	HDAC4_10353	+	GTGACCTATGCACCAGACGTAGGCGAGAGGACACTCACACGTTCTGCAGAAGCTGCTGCTAGATCGGAAGAGCGGTTCAG
chr2	240029890	240029929	HDAC4_10354	+	GTGACCTATGCACCAGACGTGCAGAGGGGCCAAGATCAGCGCACATCCAGGGGCGAGCCGAGATCGGAAGAGCGGTTCAG
chr2	240033419	240033458	HDAC4_10355	+	GTGACCTATGCACCAGACGTGAAACGGCCGTGTTGGCGGTTGCGGATGTCTCCCGCCCCTAGATCGGAAGAGCGGTTCAG
chr2	240037017	240037056	HDAC4_10356	+	GTGACCTATGCACCAGACGTGAGGTAACACATGAAGCACAGAGAGCTGGGTCCTCTGAGCAGATCGGAAGAGCGGTTCAG
chr2	240048386	240048425	HDAC4_10357	+	GTGACCTATGCACCAGACGTCCAGTCTGAAGATAATTGGAGGAAGAAACAGCAGAGGGGAAGATCGGAAGAGCGGTTCAG
chr2	240056150	240056189	HDAC4_10358	+	GTGACCTATGCACCAGACGTCAGCCAGGATGCTCGGGTGGAAGGACCCATCACCACCACCAGATCGGAAGAGCGGTTCAG
chr2	240056350	240056389	HDAC4_10359	+	GTGACCTATGCACCAGACGTAACACACGATGACCATCACAGTCTGTCACGGCCAAACATCAGATCGGAAGAGCGGTTCAG
chr2	240061503	240061542	HDAC4_10360	+	GTGACCTATGCACCAGACGTAGAAATACCCTGGTGAGTGTTACTCCATGCGGAGGGAGGGAGATCGGAAGAGCGGTTCAG
chr2	240066421	240066460	HDAC4_10361	+	GTGACCTATGCACCAGACGTAGGAGATGTCATTACAGCCAGGCAGACACCACTGGCTCAAAGATCGGAAGAGCGGTTCAG
chr2	240078480	240078519	HDAC4_10362	+	GTGACCTATGCACCAGACGTGGCAAAGACAGATGGTTTAGTTTACCCAGCGCACTGCCCCAGATCGGAAGAGCGGTTCAG
chr2	240085630	240085669	HDAC4_10363	+	GTGACCTATGCACCAGACGTAGAAAGCATAGCAGGGGGTGAAGTGTGGCTCTGCCCTACAAGATCGGAAGAGCGGTTCAG
chr2	240098270	240098309	HDAC4_10364	+	GTGACCTATGCACCAGACGTAAGGAGGAGACAGACGGTCAGAGCCCAGGCTCCACACACAAGATCGGAAGAGCGGTTCAG
chr2	240111784	240111823	HDAC4_10365	+	GTGACCTATGCACCAGACGTAACAAGCAGGAGAGCCGGTCACTGCCGCCCTTTGCTGTCCAGATCGGAAGAGCGGTTCAG
chr2	240158371	240158410	HDAC4_10366	+	GTGACCTATGCACCAGACGTGAGAAGGCACTGGCTTCAGAAACTGCGCGCATTTCAGCCAAGATCGGAAGAGCGGTTCAG
chr2	240274405	240274444	HDAC4_10367	+	GTGACCTATGCACCAGACGTGTCCACTCCTTTAAGTGATTCGAAATGGCTCAAAATTTCCAGATCGGAAGAGCGGTTCAG
chr6	34208670	34208709	HMGA1_10368	+	GTGACCTATGCACCAGACGTGGACAGCGCTGGTAGGGAGTCAGGTGGGTGTCCAAACCTTAGATCGGAAGAGCGGTTCAG
chr6	34208703	34208742	HMGA1_10369	+	GTGACCTATGCACCAGACGTAAACCTTTGCTTCACTTGGTTTACCCTTTGGGGCTAGGGAAGATCGGAAGAGCGGTTCAG
chr6	34210583	34210622	HMGA1_10370	+	GTGACCTATGCACCAGACGTAGATGGGACTACCCCTGGGTGGATGACTAGCAGAGGATCCAGATCGGAAGAGCGGTTCAG
chr6	34211306	34211345	HMGA1_10371	+	GTGACCTATGCACCAGACGTAAGCAGACTGCTGCTTGCCTCCTGGGCTCTTTTGAGTTGAAGATCGGAAGAGCGGTTCAG
chr6	34212672	34212711	HMGA1_10372	+	GTGACCTATGCACCAGACGTCCGCCTGCTCCTCACTGGAGGAGCAGCTTCCTTCTGGGACAGATCGGAAGAGCGGTTCAG
chr2	176973881	176973920	HOXD11_10373	+	GTGACCTATGCACCAGACGTAAGCGCCCTCACCCCAGCCCCACTCACCCACCCTCCTTCCAGATCGGAAGAGCGGTTCAG
chr2	209101904	209101943	IDH1_10374	+	GTGACCTATGCACCAGACGTGGAAAAAAAAAAGAAAATTTAGTTGGTCTCTGATATGGTAAGATCGGAAGAGCGGTTCAG
chr2	209103968	209104007	IDH1_10375	+	GTGACCTATGCACCAGACGTGGAAAAAAAACACAACACTCCAATCATCCTAGTTATAGAGAGATCGGAAGAGCGGTTCAG
chr2	209104738	209104777	IDH1_10376	+	GTGACCTATGCACCAGACGTTGGAGCATGAAGCGTTGGGTCCAACTGCATGAAGAGCACTAGATCGGAAGAGCGGTTCAG
chr2	209106880	209106919	IDH1_10377	+	GTGACCTATGCACCAGACGTAAAGGTAAAAGAGAATAATAATAAAGAAAATTGATTTTGTAGATCGGAAGAGCGGTTCAG
chr2	209108339	209108378	IDH1_10378	+	GTGACCTATGCACCAGACGTGAAGCCAGTGAGAGGAAAAAAGGGAGAAGAATAAATGTAAAGATCGGAAGAGCGGTTCAG
chr2	209110159	209110198	IDH1_10379	+	GTGACCTATGCACCAGACGTGGGAAAAAGGTATAAAGAAAAAAAAAATACCCTAGCAGGAAGATCGGAAGAGCGGTTCAG
chr2	209113395	209113434	IDH1_10380	+	GTGACCTATGCACCAGACGTAAAAATTAGAAGCAAAGTTTTTCAGACAAATGGATAGTTAAGATCGGAAGAGCGGTTCAG
chr2	209116286	209116325	IDH1_10381	+	GTGACCTATGCACCAGACGTATAAACCTAAAAAGAAAAAAAAAATACATGCCTTGTCATTAGATCGGAAGAGCGGTTCAG
chr15	99192915	99192954	IGF1R_10382	+	GTGACCTATGCACCAGACGTGCCCGCCGCCCGCGGCCACTGCGGGAACTTTTCCTCCGAGAGATCGGAAGAGCGGTTCAG

chr15	99434877	99434916	IGF1R_10383	+	GTGACCTATGCACCAGACGTGCCACACGTGTGGTCACTACCCGCCCCACCTCACCCGCCAAGATCGGAAGAGCGGTTCAG
chr15	99440145	99440184	IGF1R_10384	+	GTGACCTATGCACCAGACGTCATCCCCCTGGAAAAACGGCTAGATCTCATGGTTTTCTTTAGATCGGAAGAGCGGTTCAG
chr15	99442861	99442900	IGF1R_10385	+	GTGACCTATGCACCAGACGTCAAATTTCATGAGCTGACGTTCTATTACAAAATAAGCAGCAGATCGGAAGAGCGGTTCAG
chr15	99452139	99452178	IGF1R_10386	+	GTGACCTATGCACCAGACGTGCATCCAAAACACCGTGGGCCCAACCATCATGATAACAGCAGATCGGAAGAGCGGTTCAG
chr15	99454681	99454720	IGF1R_10387	+	GTGACCTATGCACCAGACGTGCTTTGGGTGATGCCATTCTGTTGACAGGGCTACGAATGGAGATCGGAAGAGCGGTTCAG
chr15	99456522	99456561	IGF1R_10388	+	GTGACCTATGCACCAGACGTCTAGACAAGCCCCCAGCATCCACACTTCTTCGCAAGCTCAAGATCGGAAGAGCGGTTCAG
chr15	99459371	99459410	IGF1R_10389	+	GTGACCTATGCACCAGACGTAGCAGCGGCCTGGACGGAGGGTGTGACCGTTCATTCCTGTAGATCGGAAGAGCGGTTCAG
chr15	99460116	99460155	IGF1R_10390	+	GTGACCTATGCACCAGACGTCATGTGAAATTTCAGTTGGCAAAACCCACTGCTCAGGCCGAGATCGGAAGAGCGGTTCAG
chr15	99465671	99465710	IGF1R_10391	+	GTGACCTATGCACCAGACGTATCCAGCTGGCCCCATTGCCACCTTCCTCACAACCTAGTGAGATCGGAAGAGCGGTTCAG
chr15	99467252	99467291	IGF1R_10392	+	GTGACCTATGCACCAGACGTGGCAGTGGCCCGTGCCTGCATGTACTTCCATCCATTGACAAGATCGGAAGAGCGGTTCAG
chr15	99467924	99467963	IGF1R_10393	+	GTGACCTATGCACCAGACGTTGGAGGGAGAAGAAACGTGGTAAAACTGAAAGCAGGGTGGAGATCGGAAGAGCGGTTCAG
chr15	99472900	99472939	IGF1R_10394	+	GTGACCTATGCACCAGACGTTGCAAAGTTATGACACTTTCTGTGGCTGAGTGGTTTGATGAGATCGGAAGAGCGGTTCAG
chr15	99473545	99473584	IGF1R_10395	+	GTGACCTATGCACCAGACGTGGGCCACCAGCACTGCCAGCGTGCAGGGCAGGTAGATCGGAGATCGGAAGAGCGGTTCAG
chr15	99478293	99478332	IGF1R_10396	+	GTGACCTATGCACCAGACGTGTTCCTGAAAAGCCAAAATGCAGCACAGGGAGAGGGTATCAGATCGGAAGAGCGGTTCAG
chr15	99478666	99478705	IGF1R_10397	+	GTGACCTATGCACCAGACGTATTTCCACCGGTATTGCATGTTGCCTGGCCTGCTCTCTTTAGATCGGAAGAGCGGTTCAG
chr15	99482600	99482639	IGF1R_10398	+	GTGACCTATGCACCAGACGTAGCTTTCCAGGTCTGGGCAAGAACTAAACTCAGGTGTTTTAGATCGGAAGAGCGGTTCAG
chr15	99486292	99486331	IGF1R_10399	+	GTGACCTATGCACCAGACGTCTTTACTGCATTGCCAGCCTGGAGCCCCCAGCCTCTGCACAGATCGGAAGAGCGGTTCAG
chr15	99491948	99491987	IGF1R_10400	+	GTGACCTATGCACCAGACGTCCTGGGCCCTCCGTGCTCTTCTGAGTTCTCTTCTCAAATAAGATCGGAAGAGCGGTTCAG
chr15	99500682	99500721	IGF1R_10401	+	GTGACCTATGCACCAGACGTCTGAATCTGTGCAAACAGTAACGTGTGCGCACGCGCAGCGAGATCGGAAGAGCGGTTCAG
chr15	99251074	99251113	IGF1R_10402	+	GTGACCTATGCACCAGACGTGGATATTGGGCTTTACAACCTGAGGAACATTACTCGGGGGAGATCGGAAGAGCGGTTCAG
chr7	45954555	45954594	IGFBP3_10403	+	GTGACCTATGCACCAGACGTGAAACAGAAGACAGAGAAGTGAATGCTCCTGGGTCTGGTGAGATCGGAAGAGCGGTTCAG
chr7	45956277	45956316	IGFBP3_10404	+	GTGACCTATGCACCAGACGTGGAAGGACCAGAGCAACAGAGTCACAGTTTTTACTCTAGAAGATCGGAAGAGCGGTTCAG
chr7	45957049	45957088	IGFBP3_10405	+	GTGACCTATGCACCAGACGTCCAAGAGAGACAAACACATGAGAGTCATCAATATCTATCAAGATCGGAAGAGCGGTTCAG
chr7	45960750	45960789	IGFBP3_10406	+	GTGACCTATGCACCAGACGTACCGGGGCACGCTGCTTGGCAGGCTGGGCGCGCAGGGATGAGATCGGAAGAGCGGTTCAG
chr3	123946922	123946961	KALRN_10407	+	GTGACCTATGCACCAGACGTGTGGGACTTTCTTTTGTAAAGGACCTAGAGAAGTTGTGTGAGATCGGAAGAGCGGTTCAG
chr3	123953801	123953840	KALRN_10408	+	GTGACCTATGCACCAGACGTGGGGAATGGCCTGCAGGGGAGCGGGAGGGGAGCTGGGCTGAGATCGGAAGAGCGGTTCAG
chr3	123983548	123983587	KALRN_10409	+	GTGACCTATGCACCAGACGTTTTCTCTCTCTTAGCATCTTCTTTCCCTTCCCCTTCTGCCAGATCGGAAGAGCGGTTCAG
chr3	123988113	123988152	KALRN_10410	+	GTGACCTATGCACCAGACGTAACAGGCCAAACCTGAGCCGGGATGGGGGTGAGGGAGCAGAGATCGGAAGAGCGGTTCAG
chr3	124017771	124017810	KALRN_10411	+	GTGACCTATGCACCAGACGTGGGCTGTTCTCAGCACTGCCTCTGGGAGTGGGAGAGTGGGAGATCGGAAGAGCGGTTCAG
chr3	124045029	124045068	KALRN_10412	+	GTGACCTATGCACCAGACGTGAAACCTGCAGCAGCTGCTGTTGGTAGGAAGGGTTGGGCAAGATCGGAAGAGCGGTTCAG
chr3	124048850	124048889	KALRN_10413	+	GTGACCTATGCACCAGACGTAGCAGGGCAACCATGGTTCTTGGGCATGTCTGCATGTGGGAGATCGGAAGAGCGGTTCAG
chr3	124053353	124053392	KALRN_10414	+	GTGACCTATGCACCAGACGTCTGAGCCCCGGTGTCCATTATCCATTCTAGGAGGCAGACCAGATCGGAAGAGCGGTTCAG
chr3	124103894	124103933	KALRN_10415	+	GTGACCTATGCACCAGACGTCTAGTGGAGAGAGGGCATTCTGTCCTGCCAGGGTCAGGTCAGATCGGAAGAGCGGTTCAG
chr3	124117729	124117768	KALRN_10416	+	GTGACCTATGCACCAGACGTGCCAGGAGGGGAGGTGGAGAGGGGCCAAGAAGTGCTTCCTAGATCGGAAGAGCGGTTCAG
chr3	124132523	124132562	KALRN_10417	+	GTGACCTATGCACCAGACGTTCGCTCATTCTCCTGGCAGAGGAGATGATGAAAACAAGCAAGATCGGAAGAGCGGTTCAG
chr3	124141836	124141875	KALRN_10418	+	GTGACCTATGCACCAGACGTCCCTTCTTCCTTCAGCCTGGGTTTCTCAGCCAGCTGAGCCAGATCGGAAGAGCGGTTCAG
chr3	124149633	124149672	KALRN_10419	+	GTGACCTATGCACCAGACGTAATCTGGCTGCACTGTCCTCCCTTCGCCTTTCTGCTCTGTAGATCGGAAGAGCGGTTCAG
chr3	124153383	124153422	KALRN_10420	+	GTGACCTATGCACCAGACGTAGACTGTGGGGCTTGTGGGGCTGAGATTGCCAGGGGGCCAAGATCGGAAGAGCGGTTCAG
chr3	124157895	124157934	KALRN_10421	+	GTGACCTATGCACCAGACGTATTGTCATGCAAGGGCTCAGACTCCTGGCCTTGGCCGCCTAGATCGGAAGAGCGGTTCAG
chr3	124160917	124160956	KALRN_10422	+	GTGACCTATGCACCAGACGTGACCTGCCCAGCCACCAGTCACTTCAGCGACAGCCCCTCCAGATCGGAAGAGCGGTTCAG
chr3	124165134	124165173	KALRN_10423	+	GTGACCTATGCACCAGACGTGCTTTCCCTGGCACTATCTCAGTTCTGGGGAGCATACAGAAGATCGGAAGAGCGGTTCAG
chr3	124165743	124165782	KALRN_10424	+	GTGACCTATGCACCAGACGTTCCCAGAGCCTCCCCCAGATCCACCCAGAACTCTCCATTCAGATCGGAAGAGCGGTTCAG
chr3	124174217	124174256	KALRN_10425	+	GTGACCTATGCACCAGACGTGTATTGTCCTCTGGGACATCCTCCCTTCTCATCTCCCTGAAGATCGGAAGAGCGGTTCAG
chr3	124175586	124175625	KALRN_10426	+	GTGACCTATGCACCAGACGTGCTTCCGCCCAGCTAGCTGGCTCCCCGTGACTATGCTGGGAGATCGGAAGAGCGGTTCAG
chr3	124180814	124180853	KALRN_10427	+	GTGACCTATGCACCAGACGTCAGTAATCCGTTCACAGCTATATTGGAAAAATGACATCCTAGATCGGAAGAGCGGTTCAG
chr3	124181491	124181530	KALRN_10428	+	GTGACCTATGCACCAGACGTGGAGGGTCTCAGAGGTGCACACTTAGGCCGTAAAAACCAGAGATCGGAAGAGCGGTTCAG
chr3	124193590	124193629	KALRN_10429	+	GTGACCTATGCACCAGACGTTGAAATCCTTCTCCCACTGCCCATACACATGGCACCACTCAGATCGGAAGAGCGGTTCAG
chr3	124196192	124196231	KALRN_10430	+	GTGACCTATGCACCAGACGTTTTTCCATTCTTGAGCAGCTGATGAGCAGGTGGAAATGCTAGATCGGAAGAGCGGTTCAG
chr3	124201758	124201797	KALRN_10431	+	GTGACCTATGCACCAGACGTTCCCCTCTACATCCCCCTCCACTGCCTACTGCCTGGGGCAAGATCGGAAGAGCGGTTCAG
chr3	124207173	124207212	KALRN_10432	+	GTGACCTATGCACCAGACGTTCCCAGCACTGGGGAAGCCTCCTCTCTTCCTTGACACGGGAGATCGGAAGAGCGGTTCAG
chr3	124209742	124209781	KALRN_10433	+	GTGACCTATGCACCAGACGTCAGGTGGGGTAAGACAAGACTCCCTGCTTTCATAGAACCCAGATCGGAAGAGCGGTTCAG
chr3	124210282	124210321	KALRN_10434	+	GTGACCTATGCACCAGACGTCTCTCTGCTAGGCACAAACTAGGGTTGGGGATAATAGAAGAGATCGGAAGAGCGGTTCAG
chr3	124211740	124211779	KALRN_10435	+	GTGACCTATGCACCAGACGTCCTCTCCCTCCAGCACTGCCTGCCTCACAGGCTTCCGGGTAGATCGGAAGAGCGGTTCAG
chr3	124215271	124215310	KALRN_10436	+	GTGACCTATGCACCAGACGTGTCCTAACCTTCCTTCCCCTGAGACTTCTTGATGGCTCAAAGATCGGAAGAGCGGTTCAG
chr3	124237320	124237359	KALRN_10437	+	GTGACCTATGCACCAGACGTGGGACTTGTCCCTGCAGCTCACCGGGTTAGCCGTGGCACCAGATCGGAAGAGCGGTTCAG
chr3	124303764	124303803	KALRN_10438	+	GTGACCTATGCACCAGACGTGTCGGCGGCCTTGGTGCCTTCTGTTAGCCAGACTGGTCGCAGATCGGAAGAGCGGTTCAG
chr3	124351561	124351600	KALRN_10439	+	GTGACCTATGCACCAGACGTGGGGCCCTGGAGTTGTCCATCAGGAGGGCCTTCTGACATGAGATCGGAAGAGCGGTTCAG
chr3	124352811	124352850	KALRN_10440	+	GTGACCTATGCACCAGACGTTTTACTTGCTCACTTAAAAGAGCAACGTGCCGTGCGTGATAGATCGGAAGAGCGGTTCAG

chr3	124356161	124356200	KALRN_10441	+	GTGACCTATGCACCAGACGTGTCCTGGAGGCAGTTCTGTGTGTGTCTCACCTTCACACTGAGATCGGAAGAGCGGTTCAG
chr3	124369796	124369835	KALRN_10442	+	GTGACCTATGCACCAGACGTTCCCCAGTTCCTCCCTGTGGTGCACATGTGAGTGCGGTGGAGATCGGAAGAGCGGTTCAG
chr3	124374525	124374564	KALRN_10443	+	GTGACCTATGCACCAGACGTGGTTCCAGGTGGGTCTGTGGTCACCCAACCAGGAGCACGTAGATCGGAAGAGCGGTTCAG
chr3	124376409	124376448	KALRN_10444	+	GTGACCTATGCACCAGACGTATGCTGCCCCGAGGATCCAGTGTCCTGGGAATCCAGGACTAGATCGGAAGAGCGGTTCAG
chr3	124376661	124376700	KALRN_10445	+	GTGACCTATGCACCAGACGTCCCATCACCTCCTCCCCAACTCCTTCACTAGGCTCATTTAAGATCGGAAGAGCGGTTCAG
chr3	124377375	124377414	KALRN_10446	+	GTGACCTATGCACCAGACGTCAGGCTTTGCTGAACTGGGGTGGGAGGAAAACTCAGGCCAAGATCGGAAGAGCGGTTCAG
chr3	124378315	124378354	KALRN_10447	+	GTGACCTATGCACCAGACGTGGGAGCCTGGGTGAGGGCTGGAGAAGGATCCATCAGGCTCAGATCGGAAGAGCGGTTCAG
chr3	124379831	124379870	KALRN_10448	+	GTGACCTATGCACCAGACGTTGCTTGTAATGCTTGCTGTTCTTAGGGACCATATTGGATAAGATCGGAAGAGCGGTTCAG
chr3	124380786	124380825	KALRN_10449	+	GTGACCTATGCACCAGACGTAAGAATGCGTCTAAGCCCACTCTCTCCAGGACAATAGGAGAGATCGGAAGAGCGGTTCAG
chr3	124385492	124385531	KALRN_10450	+	GTGACCTATGCACCAGACGTCAATGGTGATGAGAAGAGGCAAGGAAGAGCCCAGTTCTTGAGATCGGAAGAGCGGTTCAG
chr3	124386041	124386080	KALRN_10451	+	GTGACCTATGCACCAGACGTGGCTTGGTTCCTTGCAGGGCTGTGTCAGGGGACTCCACGAAGATCGGAAGAGCGGTTCAG
chr3	124390756	124390795	KALRN_10452	+	GTGACCTATGCACCAGACGTACTCATTACTCCCACCCTTGTCACTACGATGGCATAGCCTAGATCGGAAGAGCGGTTCAG
chr3	124393472	124393511	KALRN_10453	+	GTGACCTATGCACCAGACGTCGTTGGCTTCCCCGGGAGAGGAGTATGAGGATTAAAAATAAGATCGGAAGAGCGGTTCAG
chr3	124397171	124397210	KALRN_10454	+	GTGACCTATGCACCAGACGTTATTCCGGAGCTGCGTCCCCACCTGTCATCCACTCCCACCAGATCGGAAGAGCGGTTCAG
chr3	124398375	124398414	KALRN_10455	+	GTGACCTATGCACCAGACGTCTATTGTTGTCCTATTTCCTACAATGATTGCCTTTTTTGAAGATCGGAAGAGCGGTTCAG
chr3	124412689	124412728	KALRN_10456	+	GTGACCTATGCACCAGACGTAAGCATTAGAATTGGAAACATGGGGATTGGTTAAATAAATAGATCGGAAGAGCGGTTCAG
chr3	124413361	124413400	KALRN_10457	+	GTGACCTATGCACCAGACGTTGCCCTAACATCAGCAACAGCAGCCCCTTGCTTGACACAGAGATCGGAAGAGCGGTTCAG
chr3	124416582	124416621	KALRN_10458	+	GTGACCTATGCACCAGACGTTCCTGCTCTTCTTTTTCTTTTCTCTTCTTTTAAAACATTTAGATCGGAAGAGCGGTTCAG
chr3	124418891	124418930	KALRN_10459	+	GTGACCTATGCACCAGACGTGCCCAGCCCTGGCCCCCCAGGCAGTGGGATTGAGGCACCTAGATCGGAAGAGCGGTTCAG
chr3	124420974	124421013	KALRN_10460	+	GTGACCTATGCACCAGACGTAGTTTTATATTCCTTCATTCATGAACACCTAGCAACATCAAGATCGGAAGAGCGGTTCAG
chr3	124431993	124432032	KALRN_10461	+	GTGACCTATGCACCAGACGTACGCCATCTCTCTAAAGTCGCCTGCATCCATTTAGGTTAGAGATCGGAAGAGCGGTTCAG
chr3	124438328	124438367	KALRN_10462	+	GTGACCTATGCACCAGACGTGCCCCTATGGTTTCACATAGACGTGCAGTGTGAACCAAAGAGATCGGAAGAGCGGTTCAG
chr3	123987856	123987895	KALRN_10463	+	GTGACCTATGCACCAGACGTGGCCCCTGTGGAGGAGCTGGACCGGGAGGGGCAGCGGCTGAGATCGGAAGAGCGGTTCAG
chr3	124438055	124438094	KALRN_10464	+	GTGACCTATGCACCAGACGTCCCATGAATACTTCTGTGGTGTGAGCAATGCTGCCAGAGAAGATCGGAAGAGCGGTTCAG
chr3	20082283	20082322	KAT2B_10465	+	GTGACCTATGCACCAGACGTGCCGCTCTCGGACCGCGGATGGGTGCTAGGGGCCCAGCCCAGATCGGAAGAGCGGTTCAG
chr3	20113962	20114001	KAT2B_10466	+	GTGACCTATGCACCAGACGTAAATCTTCAAGGAAAGTATAACGAGTTCATTGTAGCGTGAAGATCGGAAGAGCGGTTCAG
chr3	20136911	20136950	KAT2B_10467	+	GTGACCTATGCACCAGACGTAACATTTTAAAAACATTTTCTCTCATTATTCAAATGTACCAGATCGGAAGAGCGGTTCAG
chr3	20142971	20143010	KAT2B_10468	+	GTGACCTATGCACCAGACGTGCAAGTTCTTTTCCTTTGGCCCCATAAAGCCTGTTACAGAAGATCGGAAGAGCGGTTCAG
chr3	20153290	20153329	KAT2B_10469	+	GTGACCTATGCACCAGACGTGTTTTTGCTGGTCTTTGTTTGATCCCAGAGCTTGAGGTTGAGATCGGAAGAGCGGTTCAG
chr3	20156491	20156530	KAT2B_10470	+	GTGACCTATGCACCAGACGTTTTTACATGAATCAGAGAACAACCAGGGAGGCCAACCTGAAGATCGGAAGAGCGGTTCAG
chr3	20161226	20161265	KAT2B_10471	+	GTGACCTATGCACCAGACGTAAGAGGGGATAAGAGAGGGCTGTGACTTGCTCCAGGAGCTAGATCGGAAGAGCGGTTCAG
chr3	20164307	20164346	KAT2B_10472	+	GTGACCTATGCACCAGACGTTAAACCTGGGCAGCCAGCTGGTAGACCTCTTCTGCTCTCCAGATCGGAAGAGCGGTTCAG
chr3	20167616	20167655	KAT2B_10473	+	GTGACCTATGCACCAGACGTCTTTCTGTTCCTTCTTCCTTATTTCCTTTTTAAATGAAAGAGATCGGAAGAGCGGTTCAG
chr3	20169052	20169091	KAT2B_10474	+	GTGACCTATGCACCAGACGTACCCAAGGTCTTAGAAGAAGAGCAGAATGTGGGGCTTCTCAGATCGGAAGAGCGGTTCAG
chr3	20178555	20178594	KAT2B_10475	+	GTGACCTATGCACCAGACGTCACCACGCAACACTGTTTTGTCACTCCTTTTCTTAATATGAGATCGGAAGAGCGGTTCAG
chr3	20181867	20181906	KAT2B_10476	+	GTGACCTATGCACCAGACGTGGTTGACTCCCTTACCTTCTGTACAGGCCAGTCTTAGCTGAGATCGGAAGAGCGGTTCAG
chr3	20187933	20187972	KAT2B_10477	+	GTGACCTATGCACCAGACGTACCTTCTTTTAAAAGCGAAATTTTTTAGTAATGCCGTGGTAGATCGGAAGAGCGGTTCAG
chr3	20189502	20189541	KAT2B_10478	+	GTGACCTATGCACCAGACGTCGGGCAAGAGGATGTTAATGGAAGTGATTTTTTTTTTTCCAGATCGGAAGAGCGGTTCAG
chr3	20189809	20189848	KAT2B_10479	+	GTGACCTATGCACCAGACGTTCTTTATTCACCTCATGCAAATATTTTGAAATGATTTCCCAGATCGGAAGAGCGGTTCAG
chr3	20189990	20190029	KAT2B_10480	+	GTGACCTATGCACCAGACGTTAACATTTTCTAAGTATAGATTTAAAACTCTGGATGGCGGAGATCGGAAGAGCGGTTCAG
chr3	20194028	20194067	KAT2B_10481	+	GTGACCTATGCACCAGACGTCCTCTGCTTCTTAGAAACTCACCAAGCAGTGTGCCTAAAGAGATCGGAAGAGCGGTTCAG
chr18	6942249	6942288	LAMA1_10482	+	GTGACCTATGCACCAGACGTAAGAAGAGAAGACAAATCTTGCTTAATTTTGTTGAAATGCAGATCGGAAGAGCGGTTCAG
chr18	6943412	6943451	LAMA1_10483	+	GTGACCTATGCACCAGACGTATATCTTGGTGAGTTTTTGTGTATTTAAGGAACACAGTCCAGATCGGAAGAGCGGTTCAG
chr18	6947306	6947345	LAMA1_10484	+	GTGACCTATGCACCAGACGTCAAGGAGGACCCAAGTCAGGGTGAGCGCTGCCAGGCCCAGAGATCGGAAGAGCGGTTCAG
chr18	6948566	6948605	LAMA1_10485	+	GTGACCTATGCACCAGACGTTGACATGCAAGAGTAGACAGTGGTGATTCTAATGGGAAGGAGATCGGAAGAGCGGTTCAG
chr18	6949269	6949308	LAMA1_10486	+	GTGACCTATGCACCAGACGTGTGAAAACATGCATAATTTTTGAGGAATCTGAAAAAACTTAGATCGGAAGAGCGGTTCAG
chr18	6950981	6951020	LAMA1_10487	+	GTGACCTATGCACCAGACGTCAAGTGCTCAGCGTTGAGAAAGGAAACTTTTACTTTTCATAGATCGGAAGAGCGGTTCAG
chr18	6955475	6955514	LAMA1_10488	+	GTGACCTATGCACCAGACGTCACACAGGGACACTCAGCCGCCACCCGCAGCCCGAACCCCAGATCGGAAGAGCGGTTCAG
chr18	6956775	6956814	LAMA1_10489	+	GTGACCTATGCACCAGACGTACAAGAGAGTGTTTTCAAAATTAGGATATCACAAACCAGTAGATCGGAAGAGCGGTTCAG
chr18	6958672	6958711	LAMA1_10490	+	GTGACCTATGCACCAGACGTAATGGAGAAAATAAATGAAAAGCTTTAAACATAATGAAATAGATCGGAAGAGCGGTTCAG
chr18	6959502	6959541	LAMA1_10491	+	GTGACCTATGCACCAGACGTTGCATAGAGAATTTCCCAGACAAAACACATTACTATATGAAGATCGGAAGAGCGGTTCAG
chr18	6961769	6961808	LAMA1_10492	+	GTGACCTATGCACCAGACGTAGGAGATGGAACAGCATGGTGAGTTCCTAGCTGCGGCCAAAGATCGGAAGAGCGGTTCAG
chr18	6962069	6962108	LAMA1_10493	+	GTGACCTATGCACCAGACGTGGGCATGAGAACAATCACAAAATTTGGGTTTTTAAATTCCAGATCGGAAGAGCGGTTCAG
chr18	6964813	6964852	LAMA1_10494	+	GTGACCTATGCACCAGACGTAGCACAGGCAAGAGATAAGAAAAGGAAAATCCCTTTCCATAGATCGGAAGAGCGGTTCAG
chr18	6965442	6965481	LAMA1_10495	+	GTGACCTATGCACCAGACGTGAGAACACAGTTCCCCAGGTTATAGCTTTATCCCAGGTTTAGATCGGAAGAGCGGTTCAG
chr18	6966307	6966346	LAMA1_10496	+	GTGACCTATGCACCAGACGTGAAGAGATGAAATAGAATCCATTCTCAGGAGGGTAGAAAGAGATCGGAAGAGCGGTTCAG
chr18	6971991	6972030	LAMA1_10497	+	GTGACCTATGCACCAGACGTCAAGCAAACAAACATAACCAATATATAAGCTGACCAAGCAAGATCGGAAGAGCGGTTCAG
chr18	6973217	6973256	LAMA1_10498	+	GTGACCTATGCACCAGACGTCAAAGAATTGCAAAAGAAATTTTCAGAATTTCCAGTCAGCAGATCGGAAGAGCGGTTCAG

chr18	6975046	6975085	LAMA1_10499	+	GTGACCTATGCACCAGACGTAGGAATGAACGGGGATCAGTTTACACACTGGACTGTTTGCAGATCGGAAGAGCGGTTCAG
chr18	6976090	6976129	LAMA1_10500	+	GTGACCTATGCACCAGACGTAAAATGAAAGTGTCCCCATCATTTAGTGACACACACCGGCAGATCGGAAGAGCGGTTCAG
chr18	6977891	6977930	LAMA1_10501	+	GTGACCTATGCACCAGACGTCAAGAAGGCAAGGGGTGGCAAGAAAGTTGGGGAGAGGGAAAGATCGGAAGAGCGGTTCAG
chr18	6978388	6978427	LAMA1_10502	+	GTGACCTATGCACCAGACGTTGTATATAAAAGCATGCACTTCTGGTGCTTACACACAGAGAGATCGGAAGAGCGGTTCAG
chr18	6980647	6980686	LAMA1_10503	+	GTGACCTATGCACCAGACGTGGAGAAAAATGTTTCCTTTCAGGTTAGCCTACAAAAAAGTAGATCGGAAGAGCGGTTCAG
chr18	6982600	6982639	LAMA1_10504	+	GTGACCTATGCACCAGACGTGAACCACTTAAGCGTGGTGAGAGCAGGGCAGGGTGGAGTCAGATCGGAAGAGCGGTTCAG
chr18	6983244	6983283	LAMA1_10505	+	GTGACCTATGCACCAGACGTAGCATATTTAGATACGTTATGATAAACTAAATCAAACTTGAGATCGGAAGAGCGGTTCAG
chr18	6985410	6985449	LAMA1_10506	+	GTGACCTATGCACCAGACGTAAATTAATATTGTAAATATATGCACATCTACTTAATAACAAGATCGGAAGAGCGGTTCAG
chr18	6985653	6985692	LAMA1_10507	+	GTGACCTATGCACCAGACGTAACGGCATTTTAAGGGTGCTTCATAAAAGCAACCCTGCTTAGATCGGAAGAGCGGTTCAG
chr18	6986357	6986396	LAMA1_10508	+	GTGACCTATGCACCAGACGTTGAATGGTTCACATAGTAAGTAAATGAACAACAAAGCTCCAGATCGGAAGAGCGGTTCAG
chr18	6992730	6992769	LAMA1_10509	+	GTGACCTATGCACCAGACGTAATTCATCAATTATTTAATAAGCCTCTCAAAAGTGGCTAGAGATCGGAAGAGCGGTTCAG
chr18	6993762	6993801	LAMA1_10510	+	GTGACCTATGCACCAGACGTAATAAAGTCTCAGGTTAGTTTGACTTTAAGTAATTAGTTTAGATCGGAAGAGCGGTTCAG
chr18	6995456	6995495	LAMA1_10511	+	GTGACCTATGCACCAGACGTTGGAGGAAACAAATTACAATGCTTCGAAGTAAAATGTTCTAGATCGGAAGAGCGGTTCAG
chr18	6997894	6997933	LAMA1_10512	+	GTGACCTATGCACCAGACGTAATTTTTAAAAAGGAGAGTTAAAGTTAATGCGATGTGGTCAGATCGGAAGAGCGGTTCAG
chr18	6999648	6999687	LAMA1_10513	+	GTGACCTATGCACCAGACGTGAAGGGACATAGGTGCAGACAGGATGGTCAATACCAGCTTAGATCGGAAGAGCGGTTCAG
chr18	7000007	7000046	LAMA1_10514	+	GTGACCTATGCACCAGACGTAGAATTTCTTTTTGAATTTTCAGATATACAATTTCCATCTAGATCGGAAGAGCGGTTCAG
chr18	7002395	7002434	LAMA1_10515	+	GTGACCTATGCACCAGACGTACATTTAAAGGAAGGGGGAAAAAATGGGAAATTGTTAGAAAGATCGGAAGAGCGGTTCAG
chr18	7008618	7008657	LAMA1_10516	+	GTGACCTATGCACCAGACGTATCATGTTAAGAGAGGAAACGCTAACATTTGAAAAACTTTAGATCGGAAGAGCGGTTCAG
chr18	7009376	7009415	LAMA1_10517	+	GTGACCTATGCACCAGACGTAGAAACACATTCAATTAAGCTCAGAGGCCAAATTCTGACAAGATCGGAAGAGCGGTTCAG
chr18	7010395	7010434	LAMA1_10518	+	GTGACCTATGCACCAGACGTATAAAGTGTTGTTTACTTCTCTGACAAAGCTTTCATTCAAAGATCGGAAGAGCGGTTCAG
chr18	7011489	7011528	LAMA1_10519	+	GTGACCTATGCACCAGACGTAAAGGAGGGGAAAGTGCACTTCAAAATGCGAACTTTCCACAGATCGGAAGAGCGGTTCAG
chr18	7012148	7012187	LAMA1_10520	+	GTGACCTATGCACCAGACGTGCAAATAAAGGACTCGTTTTTGCCTAAAAAAGAGATGTGAAGATCGGAAGAGCGGTTCAG
chr18	7014061	7014100	LAMA1_10521	+	GTGACCTATGCACCAGACGTGGAAAACCAACTCAATTAAAAAGGCAGATTTGATGCTTCCAGATCGGAAGAGCGGTTCAG
chr18	7015868	7015907	LAMA1_10522	+	GTGACCTATGCACCAGACGTGATGAATGCTGGGTTACAGATCTGGGTGATGTCATTAAAGAGATCGGAAGAGCGGTTCAG
chr18	7016681	7016720	LAMA1_10523	+	GTGACCTATGCACCAGACGTAAAGGGGGAGAAAGTGGAAACCAACATACGTTTTAATAAAAGATCGGAAGAGCGGTTCAG
chr18	7017394	7017433	LAMA1_10524	+	GTGACCTATGCACCAGACGTGCACACAAAGACATATTAACCCTCACTTCTGAGGATGGTTAGATCGGAAGAGCGGTTCAG
chr18	7023385	7023424	LAMA1_10525	+	GTGACCTATGCACCAGACGTGATTGAAAGTGGGATCAGACAAATGCAGTTACTTAAGGCCAGATCGGAAGAGCGGTTCAG
chr18	7024476	7024515	LAMA1_10526	+	GTGACCTATGCACCAGACGTATTAGAAATGAACAAAATTTTCCAATGGATGAAGCCGAATAGATCGGAAGAGCGGTTCAG
chr18	7026116	7026155	LAMA1_10527	+	GTGACCTATGCACCAGACGTGCACCAGAAGAATCAGCTCAGGTTGTCTTAAAGGATTTTCAGATCGGAAGAGCGGTTCAG
chr18	7032186	7032225	LAMA1_10528	+	GTGACCTATGCACCAGACGTAGGGAAAGTCATCCTCTTTCCACTACGTTACAAACAGAAAAGATCGGAAGAGCGGTTCAG
chr18	7033105	7033144	LAMA1_10529	+	GTGACCTATGCACCAGACGTACAGATTGTTATGTGACTCACACGCTCGCAAATACATCTCAGATCGGAAGAGCGGTTCAG
chr18	7036098	7036137	LAMA1_10530	+	GTGACCTATGCACCAGACGTTAAGCGAGAATGAACACGAAAGGGGAAGACAATCACAGCAAGATCGGAAGAGCGGTTCAG
chr18	7037761	7037800	LAMA1_10531	+	GTGACCTATGCACCAGACGTAATTCAAGAATTTTGAAGTATGAAATAGAACTTACCTTAGAGATCGGAAGAGCGGTTCAG
chr18	7038960	7038999	LAMA1_10532	+	GTGACCTATGCACCAGACGTGGGTAAAAGATTAGCTTTTGAAACCAATGTGTCTGTCCAGAGATCGGAAGAGCGGTTCAG
chr18	7040246	7040285	LAMA1_10533	+	GTGACCTATGCACCAGACGTAACAATGGCAATGACCCAACATGAAGGCAAAAGAGGTTTAAGATCGGAAGAGCGGTTCAG
chr18	7042260	7042299	LAMA1_10534	+	GTGACCTATGCACCAGACGTGAGGTTGCCCTGGATTCTCTTACTAGAAATAACAGCAATGAGATCGGAAGAGCGGTTCAG
chr18	7043415	7043454	LAMA1_10535	+	GTGACCTATGCACCAGACGTATTTTTAACATCTCAATTAATTTACATAGCATGCCTTATAAGATCGGAAGAGCGGTTCAG
chr18	7044849	7044888	LAMA1_10536	+	GTGACCTATGCACCAGACGTAGGAAGCCAAAACTGAATTAGAAAATGTATCTGCTTATGTAGATCGGAAGAGCGGTTCAG
chr18	7046377	7046416	LAMA1_10537	+	GTGACCTATGCACCAGACGTAGAAAGTTATGAACAAAAATTAAAACCTAGATTTCAGTGAAGATCGGAAGAGCGGTTCAG
chr18	7080097	7080136	LAMA1_10538	+	GTGACCTATGCACCAGACGTAAAATAAAAAACATGAATTCCTCTCGGCTGTTGCTTTAAAAGATCGGAAGAGCGGTTCAG
chr18	7080467	7080506	LAMA1_10539	+	GTGACCTATGCACCAGACGTAAATTTACCAAATCAGCTGAGCCACTTGAAATCCAAAGAAAGATCGGAAGAGCGGTTCAG
chr18	7117730	7117769	LAMA1_10540	+	GTGACCTATGCACCAGACGTCCGCCACTCGGTGGGTCTGGGGAGAAAGCCGCGCGCCCGCAGATCGGAAGAGCGGTTCAG
chr13	113951821	113951860	LAMP1_10541	+	GTGACCTATGCACCAGACGTCGAGGCGGGGCCTGGGAGCGGCGGGACCGGGCGGAGCCGAAGATCGGAAGAGCGGTTCAG
chr13	113960932	113960971	LAMP1_10542	+	GTGACCTATGCACCAGACGTCCAGGGCACTTCATGCTTCCCTTGTGTGTGTGGAAAGATGAGATCGGAAGAGCGGTTCAG
chr13	113964188	113964227	LAMP1_10543	+	GTGACCTATGCACCAGACGTAAATGGGCCGATTATGAAGTGATAGAAAATTGGGTTGGAGAGATCGGAAGAGCGGTTCAG
chr13	113965193	113965232	LAMP1_10544	+	GTGACCTATGCACCAGACGTGACCCTTGGCCCTCTGGTGCTAGTGGTTGGGTAGCTGGGCAGATCGGAAGAGCGGTTCAG
chr13	113973982	113974021	LAMP1_10545	+	GTGACCTATGCACCAGACGTGGCCTCACCTGGGAGAGGGGGACGGCACGGTAGGGCTGGAAGATCGGAAGAGCGGTTCAG
chr13	113974796	113974835	LAMP1_10546	+	GTGACCTATGCACCAGACGTGGCGGCACCTCTCTGGGGGCGCCCACTGTGTCTCCACCACAGATCGGAAGAGCGGTTCAG
chr13	113976053	113976092	LAMP1_10547	+	GTGACCTATGCACCAGACGTCCGAGGGCAGCTGTCGCGGGGTGTGGAGGACGTGCTTCAGAGATCGGAAGAGCGGTTCAG
chr13	113976747	113976786	LAMP1_10548	+	GTGACCTATGCACCAGACGTGCAGGCACAGCAGCTGCAGGGGCCTCTGTTCCTTTCTCTGAGATCGGAAGAGCGGTTCAG
chr11	18418526	18418565	LDHA_10549	+	GTGACCTATGCACCAGACGTGTCTACCACACTGGAAGCCCATACCTTGACCCCATCCTCTAGATCGGAAGAGCGGTTCAG
chr11	18422568	18422607	LDHA_10550	+	GTGACCTATGCACCAGACGTTGACTGCATAAAAATTGACAAGCTATAGTAAAACTGATAGAGATCGGAAGAGCGGTTCAG
chr11	18424571	18424610	LDHA_10551	+	GTGACCTATGCACCAGACGTGTTATTTTCTTTTTGTTTTTGAAAAGATTATATAAAAAGTAGATCGGAAGAGCGGTTCAG
chr11	18425369	18425408	LDHA_10552	+	GTGACCTATGCACCAGACGTTTTCAATTTGGCAACACAGAATATTAACATTTACTATTTTAGATCGGAAGAGCGGTTCAG
chr11	18427130	18427169	LDHA_10553	+	GTGACCTATGCACCAGACGTGTAGTGATACGCTGCATTTGAATGCTTTTTGCTGGCTTTTAGATCGGAAGAGCGGTTCAG
chr11	18428839	18428878	LDHA_10554	+	GTGACCTATGCACCAGACGTTGTCATATCATTTCACTGTCTAGGCTACAACAGGATTCTAAGATCGGAAGAGCGGTTCAG
chr2	33174023	33174062	LTBP1_10555	+	GTGACCTATGCACCAGACGTATGTTCACAGTGGCCCTGCACAGTAGGCAAAGTGGGGGGAAGATCGGAAGAGCGGTTCAG
chr2	33246284	33246323	LTBP1_10556	+	GTGACCTATGCACCAGACGTCGAACTTTCATTTAGCTAAGGATCATCTTAATTACTCTCTAGATCGGAAGAGCGGTTCAG

chr2	33335829	33335868	LTBP1_10557	+	GTGACCTATGCACCAGACGTTCTTATCAACCATTTTCCCAAGTTATGGTATCAGAGATTGAGATCGGAAGAGCGGTTCAG
chr2	33360038	33360077	LTBP1_10558	+	GTGACCTATGCACCAGACGTCCACGGTCCCTAACTGTCCTTACTGAGTCGAGTTTTATGAAGATCGGAAGAGCGGTTCAG
chr2	33412158	33412197	LTBP1_10559	+	GTGACCTATGCACCAGACGTTTCATTCCGCCCATTTGCCAGACCTCTGTTAACCTGCCAAAGATCGGAAGAGCGGTTCAG
chr2	33413929	33413968	LTBP1_10560	+	GTGACCTATGCACCAGACGTTCACCGAGCCTGCTTTAGCAGTGTCTTACAGATATGGTATAGATCGGAAGAGCGGTTCAG
chr2	33442732	33442771	LTBP1_10561	+	GTGACCTATGCACCAGACGTTTTCCTCACTCCTTTGCAGGTTAATGTAGCATATCTGTTTAGATCGGAAGAGCGGTTCAG
chr2	33447229	33447268	LTBP1_10562	+	GTGACCTATGCACCAGACGTCTGAATTCATTGATGTGGACTCAACAGTTGTTTTGGCTTTAGATCGGAAGAGCGGTTCAG
chr2	33468862	33468901	LTBP1_10563	+	GTGACCTATGCACCAGACGTATCACTTTTTATTCCTGTTTTGGATTAATTGTCTTTGGGGAGATCGGAAGAGCGGTTCAG
chr2	33477922	33477961	LTBP1_10564	+	GTGACCTATGCACCAGACGTCCCAGCTGTATGCGCACATAGATTCCCAGCCACATGAGTAAGATCGGAAGAGCGGTTCAG
chr2	33482589	33482628	LTBP1_10565	+	GTGACCTATGCACCAGACGTTAATGGATCATGGACTCTAGACATCTATCTGTGTGTCTTTAGATCGGAAGAGCGGTTCAG
chr2	33484688	33484727	LTBP1_10566	+	GTGACCTATGCACCAGACGTCATTGCTTGCAAGTCTTTTTTTTTCAACGCTCAAAGTGATAGATCGGAAGAGCGGTTCAG
chr2	33487902	33487941	LTBP1_10567	+	GTGACCTATGCACCAGACGTATCTGTGCTGTTTGTCAGAGTATTCTGAATAAAAATGTAAAGATCGGAAGAGCGGTTCAG
chr2	33488470	33488509	LTBP1_10568	+	GTGACCTATGCACCAGACGTTATTTTTACATTATATATCACATGGAGGAGACGTGGGGCTAGATCGGAAGAGCGGTTCAG
chr2	33498859	33498898	LTBP1_10569	+	GTGACCTATGCACCAGACGTATTTGATTGACTAAATTATTAAATATCAAACATTTGAACAAGATCGGAAGAGCGGTTCAG
chr2	33500168	33500207	LTBP1_10570	+	GTGACCTATGCACCAGACGTCATTCTTCCTGCTTACAAATTCTTAGATCTGAGTTTTTAGAGATCGGAAGAGCGGTTCAG
chr2	33501001	33501040	LTBP1_10571	+	GTGACCTATGCACCAGACGTTGAGAGTGTTCAGCACACATGACGGTGATGTGCAGGGTTGAGATCGGAAGAGCGGTTCAG
chr2	33505236	33505275	LTBP1_10572	+	GTGACCTATGCACCAGACGTTAGTGTACTTATCAAAGATTTGTTTCTTCTGCATGGCCCAAGATCGGAAGAGCGGTTCAG
chr2	33518360	33518399	LTBP1_10573	+	GTGACCTATGCACCAGACGTTGATCAAGTTTCCCATTTTTATTTAAACTTCATTTAAATAAGATCGGAAGAGCGGTTCAG
chr2	33525651	33525690	LTBP1_10574	+	GTGACCTATGCACCAGACGTAGTAACATGAACTACTGAAACTTCAGCTTAAAGCACCTGGAGATCGGAAGAGCGGTTCAG
chr2	33534634	33534673	LTBP1_10575	+	GTGACCTATGCACCAGACGTCTCTTTTTTCCCCAGTCATTATTTACGTAATTCTTCAATTAGATCGGAAGAGCGGTTCAG
chr2	33540347	33540386	LTBP1_10576	+	GTGACCTATGCACCAGACGTCCATACGAAATCATATTGTTGTGTGATAAAAGAGAGAGGAAGATCGGAAGAGCGGTTCAG
chr2	33568041	33568080	LTBP1_10577	+	GTGACCTATGCACCAGACGTAGATTTTTTCCCAACGTGTTTCACATGTCCCTAGGGAAAAAGATCGGAAGAGCGGTTCAG
chr2	33572588	33572627	LTBP1_10578	+	GTGACCTATGCACCAGACGTGTGACACTGTGCAAGGGAATGACAGGCTCCTCTCAAAGACAGATCGGAAGAGCGGTTCAG
chr2	33585857	33585896	LTBP1_10579	+	GTGACCTATGCACCAGACGTGCTTAGTGGTAGAGTCACACTTGTGTTTGGTCACATGGTGAGATCGGAAGAGCGGTTCAG
chr2	33586593	33586632	LTBP1_10580	+	GTGACCTATGCACCAGACGTAGTGGAAACAAATTTTCAGCACATTGTGTACATGTCAGATAGATCGGAAGAGCGGTTCAG
chr2	33588596	33588635	LTBP1_10581	+	GTGACCTATGCACCAGACGTGGGGGATATAGTATGGTGTACTGTGAAAATATACAGATGGAGATCGGAAGAGCGGTTCAG
chr2	33589434	33589473	LTBP1_10582	+	GTGACCTATGCACCAGACGTAGGAGATGCAAACCTGTGTCCAAATAACTATCATAAGATTAGATCGGAAGAGCGGTTCAG
chr2	33590581	33590620	LTBP1_10583	+	GTGACCTATGCACCAGACGTATCCAATTCCTTCTGCAGGAGGCCTTTGGGGACAAGTTCAAGATCGGAAGAGCGGTTCAG
chr2	33614384	33614423	LTBP1_10584	+	GTGACCTATGCACCAGACGTTAACCTTGTTCCTTTGATACTAAGTTGTGGTTGAAGATTAAGATCGGAAGAGCGGTTCAG
chr2	33622360	33622399	LTBP1_10585	+	GTGACCTATGCACCAGACGTCGTGTGTTTTATGGGACATTAATTTTTTCCTGACACCCCGAGATCGGAAGAGCGGTTCAG
chr2	33623623	33623662	LTBP1_10586	+	GTGACCTATGCACCAGACGTACATAACCTAAGCCCATATACTCTGCACTGTGTAAAGGAAAGATCGGAAGAGCGGTTCAG
chr16	30128122	30128161	MAPK3_10587	+	GTGACCTATGCACCAGACGTAGAGACAGCAAGGCTCAGGCCTGGCATGGGGGATGCCTACAGATCGGAAGAGCGGTTCAG
chr16	30128335	30128374	MAPK3_10588	+	GTGACCTATGCACCAGACGTGCAGGAGTCAGGGGTCACAGGGAAGACTGGAGGAGCTCCGAGATCGGAAGAGCGGTTCAG
chr16	30128617	30128656	MAPK3_10589	+	GTGACCTATGCACCAGACGTGGAGGTGACTTGGTAAATGATCACCTCTTTCTTTCTGGGAAGATCGGAAGAGCGGTTCAG
chr16	30129116	30129155	MAPK3_10590	+	GTGACCTATGCACCAGACGTGGAGGAAGTGGTGAGCTCCTGGGCCAGCCTCAACAGGGTCAGATCGGAAGAGCGGTTCAG
chr16	30129495	30129534	MAPK3_10591	+	GTGACCTATGCACCAGACGTACCTAGCTGCTAAGCTCGGCGCTCAAGGCCTCTGCAGCCTAGATCGGAAGAGCGGTTCAG
chr16	30129870	30129909	MAPK3_10592	+	GTGACCTATGCACCAGACGTTTCCGCAGACCCCCCCAGGCAGGGGGCAGTGGGAGGCACTAGATCGGAAGAGCGGTTCAG
chr16	30133338	30133377	MAPK3_10593	+	GTGACCTATGCACCAGACGTCGGAGAGAGGCTGCTGCTGTGGCCTTACAAAGGGGGAGTCAGATCGGAAGAGCGGTTCAG
chr10	89265320	89265359	MINPP1_10594	+	GTGACCTATGCACCAGACGTGGGCGGCCCGTGTGCTGTCCCGGTCCTCCCACCCGCCCTGAGATCGGAAGAGCGGTTCAG
chr10	89268301	89268340	MINPP1_10595	+	GTGACCTATGCACCAGACGTTGTTGTCTTTTATTTGAACTTAACAGTTTAAATAATTTTGAGATCGGAAGAGCGGTTCAG
chr10	89280937	89280976	MINPP1_10596	+	GTGACCTATGCACCAGACGTTCTAAAAAATGTGAAGTACATTTTGAGTTACTACTAAACTAGATCGGAAGAGCGGTTCAG
chr10	89312246	89312285	MINPP1_10597	+	GTGACCTATGCACCAGACGTAACATTTTTAATTCTTTAGGAATCTGCAATGAGTGATTACAGATCGGAAGAGCGGTTCAG
chr10	89265001	89265040	MINPP1_10598	+	GTGACCTATGCACCAGACGTAGGCCCGCGGGTCCAGGGATGGCGGGGCTAGTAGTACCGGAGATCGGAAGAGCGGTTCAG
chr11	118307670	118307709	MLL_10599	+	GTGACCTATGCACCAGACGTGAGGAACCCCCAGGTCCGGGGTCTCGACCCTCTGCGGAGCAGATCGGAAGAGCGGTTCAG
chr11	118339570	118339609	MLL_10600	+	GTGACCTATGCACCAGACGTTTAAGTGCATGGTGCCTTTTAAGTTTTGTTTGTTAGGAGAAGATCGGAAGAGCGGTTCAG
chr11	118345041	118345080	MLL_10601	+	GTGACCTATGCACCAGACGTCCACCTTGCCTATTAAAACTAACAGTTTATTGAGCCCTTTAGATCGGAAGAGCGGTTCAG
chr11	118347708	118347747	MLL_10602	+	GTGACCTATGCACCAGACGTAAGGTCAATCTTGGAGTCGGAACAGACTTTTGATTTGTTTAGATCGGAAGAGCGGTTCAG
chr11	118348927	118348966	MLL_10603	+	GTGACCTATGCACCAGACGTGTTTCACTCTGAGATGTTGACCTCTCAACCATAAAGGTTGAGATCGGAAGAGCGGTTCAG
chr11	118350964	118351003	MLL_10604	+	GTGACCTATGCACCAGACGTTAAAAAGGTCTTCCCCCAAATGCTCCTTGCTTAAATGGTGAGATCGGAAGAGCGGTTCAG
chr11	118352818	118352857	MLL_10605	+	GTGACCTATGCACCAGACGTAGGGCAAGAAGGAATTGCTGAACCACAAGTACTAACAAAAAGATCGGAAGAGCGGTTCAG
chr11	118353221	118353260	MLL_10606	+	GTGACCTATGCACCAGACGTATTTGTTTCTCTGCCATTTCTCAGGGATGTATTCTATTTTAGATCGGAAGAGCGGTTCAG
chr11	118355040	118355079	MLL_10607	+	GTGACCTATGCACCAGACGTTCAGTGATCATAAAGTATATTGAGTGTCAAAGACTTTAAAAGATCGGAAGAGCGGTTCAG
chr11	118355701	118355740	MLL_10608	+	GTGACCTATGCACCAGACGTCTGCTTCTTTGTACCCCAGGAAGTACATAAATTATTTTTCAGATCGGAAGAGCGGTTCAG
chr11	118360613	118360652	MLL_10609	+	GTGACCTATGCACCAGACGTCACATGATGCTCTTTTATAGAGAACCACCATGTGACTATTAGATCGGAAGAGCGGTTCAG
chr11	118360975	118361014	MLL_10610	+	GTGACCTATGCACCAGACGTAAGCCAGTTTTGCCAGCTTTCGGAGGTTGTACTTGGTGTTAGATCGGAAGAGCGGTTCAG
chr11	118362035	118362074	MLL_10611	+	GTGACCTATGCACCAGACGTTTGGAGTCTTTTTATTTCAGTTTTCTTCTTTCTAGGTACTAGATCGGAAGAGCGGTTCAG
chr11	118362654	118362693	MLL_10612	+	GTGACCTATGCACCAGACGTTCTCATTTTTTTCTGAGAGCTTGTTCTTAGGTAGTCTTTAAGATCGGAAGAGCGGTTCAG
chr11	118363956	118363995	MLL_10613	+	GTGACCTATGCACCAGACGTACAGTGAGCCATCAGAATTTCTAGTGCCAATAAAGCTTCTAGATCGGAAGAGCGGTTCAG
chr11	118365124	118365163	MLL_10614	+	GTGACCTATGCACCAGACGTTTACTAATTCATGTTTTTAATGCTTACCTATAAGTAATTAAGATCGGAAGAGCGGTTCAG

chr11	118365493	118365532	MLL_10615	+	GTGACCTATGCACCAGACGTTTAGCATAACTTTTTTTTCTCCTCATCGGCTAGAAATCTGAGATCGGAAGAGCGGTTCAG
chr11	118366619	118366658	MLL_10616	+	GTGACCTATGCACCAGACGTAAAAGGAGAGTCGTCACCCATTTCCCTCTAGATGCAGATGAGATCGGAAGAGCGGTTCAG
chr11	118367093	118367132	MLL_10617	+	GTGACCTATGCACCAGACGTTGCAACACAGGGCCCTAGTTAATACATACTCCAAAAGAACAGATCGGAAGAGCGGTTCAG
chr11	118368799	118368838	MLL_10618	+	GTGACCTATGCACCAGACGTATGGGTAAATTTTATGAAAGAGATTCCCTCTCAGTTTCCAAGATCGGAAGAGCGGTTCAG
chr11	118370146	118370185	MLL_10619	+	GTGACCTATGCACCAGACGTGCCTTGGTTATTGGGGAAGGCTGTATATATCATTGGGGAAAGATCGGAAGAGCGGTTCAG
chr11	118370639	118370678	MLL_10620	+	GTGACCTATGCACCAGACGTCTATAAAGAGAAGAGAGCAGCCCCACAACCTGAACACACTAGATCGGAAGAGCGGTTCAG
chr11	118372583	118372622	MLL_10621	+	GTGACCTATGCACCAGACGTTTATTGACCTACTTGACCTAAGAAGATCAGCCCAAAGACTAGATCGGAAGAGCGGTTCAG
chr11	118377372	118377411	MLL_10622	+	GTGACCTATGCACCAGACGTCAAATACTAGCTAGGCTGGGTCTGTGGGATTTCATGTTGTAGATCGGAAGAGCGGTTCAG
chr11	118378335	118378374	MLL_10623	+	GTGACCTATGCACCAGACGTGAATTCGTCTTTTAAGACTAAGCTCTCAGTTTTGTCCACCAGATCGGAAGAGCGGTTCAG
chr11	118380844	118380883	MLL_10624	+	GTGACCTATGCACCAGACGTTAAATCAGGTTGACCCATCAGCAGAAGCCCTGTTTCAGCTAGATCGGAAGAGCGGTTCAG
chr11	118382751	118382790	MLL_10625	+	GTGACCTATGCACCAGACGTGAGGTGTTATTCCACTCCTGTCTCAGAATATTATGGTAAAAGATCGGAAGAGCGGTTCAG
chr11	118390518	118390557	MLL_10626	+	GTGACCTATGCACCAGACGTTTCTTTTCTGTCAGCAGTTTTGGGTCTCGATTTTCTTATCAGATCGGAAGAGCGGTTCAG
chr11	118390790	118390829	MLL_10627	+	GTGACCTATGCACCAGACGTAGTGGGGAGCAGTCATTAGAAACTGCTTTCCCTCTCCTCCAGATCGGAAGAGCGGTTCAG
chr11	118391611	118391650	MLL_10628	+	GTGACCTATGCACCAGACGTAATTCTAGAAAGAATTACAGAAAACGAATGCAGTTTTTCAAGATCGGAAGAGCGGTTCAG
chr11	118392143	118392182	MLL_10629	+	GTGACCTATGCACCAGACGTCACTTGCACTCACACAGTTCTTTTGTTTTGCTGTAGAAAGAGATCGGAAGAGCGGTTCAG
chr11	118392898	118392937	MLL_10630	+	GTGACCTATGCACCAGACGTCTCCCCCAGTGTTGGAGTGCAAGGAGGCGGGGCCATCCAAAGATCGGAAGAGCGGTTCAG
chr11	118342829	118342868	MLL_10631	+	GTGACCTATGCACCAGACGTCTCATTAATTCTGAACTGGAAAAGCCCCAGAAAGTCCGGAAGATCGGAAGAGCGGTTCAG
chr11	118343271	118343310	MLL_10632	+	GTGACCTATGCACCAGACGTCTCAGCACTCCTCTCAAATGTCTTCAGACTCCTCTCGATCAGATCGGAAGAGCGGTTCAG
chr11	118343713	118343752	MLL_10633	+	GTGACCTATGCACCAGACGTAGAACCGACATTTAGGTGGACTTCTTTAAAGCATTCTAGGAGATCGGAAGAGCGGTTCAG
chr11	118344155	118344194	MLL_10634	+	GTGACCTATGCACCAGACGTAGGCTTAGTAGTTCTGAGCTCTCACCTCTCACCCCCCCGTAGATCGGAAGAGCGGTTCAG
chr11	118344597	118344636	MLL_10635	+	GTGACCTATGCACCAGACGTTGGGTAGGGTTTCCAAAGAGAAGGTTGTTGGTGAAGATGTAGATCGGAAGAGCGGTTCAG
chr11	118373595	118373634	MLL_10636	+	GTGACCTATGCACCAGACGTGGAATTCCTAAACTGGCCCCACAGGTTCATAACACAACATAGATCGGAAGAGCGGTTCAG
chr11	118374067	118374106	MLL_10637	+	GTGACCTATGCACCAGACGTCTGATAAGATTGGTGATAAAGGCCTTTCTATGCCAGGAGTAGATCGGAAGAGCGGTTCAG
chr11	118374539	118374578	MLL_10638	+	GTGACCTATGCACCAGACGTTGAAGAAGACATTCCATTCTACAGCAGCTCAACTGGGAAGAGATCGGAAGAGCGGTTCAG
chr11	118375011	118375050	MLL_10639	+	GTGACCTATGCACCAGACGTGCTCAGCTCAGCTCATTGGAGTCAAGCCGCAGAGTCCACAAGATCGGAAGAGCGGTTCAG
chr11	118375483	118375522	MLL_10640	+	GTGACCTATGCACCAGACGTGGGAGAAGAGAGTAACCATCACAGAAAAATCTGTAGCCTCAGATCGGAAGAGCGGTTCAG
chr11	118375955	118375994	MLL_10641	+	GTGACCTATGCACCAGACGTTGTGATGGAGACAAATACTTCAGTATTGGGACCCATGGGAAGATCGGAAGAGCGGTTCAG
chr11	118376427	118376466	MLL_10642	+	GTGACCTATGCACCAGACGTTTGGGGTCACTTAATACTTCATCTCACCGAACTGTCCCCAAGATCGGAAGAGCGGTTCAG
chr11	118376899	118376938	MLL_10643	+	GTGACCTATGCACCAGACGTTGCTCCCCTCCACTCAGACTACGGGCATAACAGCCGCTTCAGATCGGAAGAGCGGTTCAG
chr7	151834020	151834059	MLL3_10644	+	GTGACCTATGCACCAGACGTCAAAGACACAGGGTAAGAAAGGACAGCAAGGAAGGCAATAAGATCGGAAGAGCGGTTCAG
chr7	151836000	151836039	MLL3_10645	+	GTGACCTATGCACCAGACGTCCATGTCAGAAAACTGTATTGTAAAACAGCTAGAAGCAGCAGATCGGAAGAGCGGTTCAG
chr7	151836355	151836394	MLL3_10646	+	GTGACCTATGCACCAGACGTAGTCAGTCAGTAAGTCATCAATGTCGACCTGAAACTCCCCAGATCGGAAGAGCGGTTCAG
chr7	151836887	151836926	MLL3_10647	+	GTGACCTATGCACCAGACGTGTGTGTACATACTTCCAATTTATGTGACAACAAGTCTTTTAGATCGGAAGAGCGGTTCAG
chr7	151841977	151842016	MLL3_10648	+	GTGACCTATGCACCAGACGTTGGCATATCAACAGGAAAAAAATACAAGGAAAACTGAAGAAGATCGGAAGAGCGGTTCAG
chr7	151842391	151842430	MLL3_10649	+	GTGACCTATGCACCAGACGTGCAAAGCAGACACAAAGTCACCCCATCTGATGGAGACTACAGATCGGAAGAGCGGTTCAG
chr7	151843831	151843870	MLL3_10650	+	GTGACCTATGCACCAGACGTACAAAAACATAATTTTTATAGGAAATAGGATACAGTATAAAGATCGGAAGAGCGGTTCAG
chr7	151846248	151846287	MLL3_10651	+	GTGACCTATGCACCAGACGTTAAAGAAACCATGACAAAGAAAAATAATTCACAAGCCCGGAGATCGGAAGAGCGGTTCAG
chr7	151848103	151848142	MLL3_10652	+	GTGACCTATGCACCAGACGTAAGAGAAATGTGTGGGAATCTCAACAAGTCAAAATTTAATAGATCGGAAGAGCGGTTCAG
chr7	151848677	151848716	MLL3_10653	+	GTGACCTATGCACCAGACGTTCAACTTTTGTTAGTAATTAAAACTGACTGATGACACAAGAGATCGGAAGAGCGGTTCAG
chr7	151850050	151850089	MLL3_10654	+	GTGACCTATGCACCAGACGTATGCAAATGCTGTATTATTCACCCAGAAGGCAACAGTGAAAGATCGGAAGAGCGGTTCAG
chr7	151851242	151851281	MLL3_10655	+	GTGACCTATGCACCAGACGTAGAGAAAAAAAAGAGGAAAATAGTGTTAATGGATTTTCAAAGATCGGAAGAGCGGTTCAG
chr7	151851541	151851580	MLL3_10656	+	GTGACCTATGCACCAGACGTATAAACACACACATCAAAGTCTGCAAATCCACCACTGGGGAGATCGGAAGAGCGGTTCAG
chr7	151853153	151853192	MLL3_10657	+	GTGACCTATGCACCAGACGTAAAAACACAAAACCATAAATACATTCAGTCAATATTGATAAGATCGGAAGAGCGGTTCAG
chr7	151853442	151853481	MLL3_10658	+	GTGACCTATGCACCAGACGTCCAAAAAATTTAAATTATATGCTACTGAGCGAATATGCAAAGATCGGAAGAGCGGTTCAG
chr7	151856168	151856207	MLL3_10659	+	GTGACCTATGCACCAGACGTTGGAAAGGGTAAAAAATAAGTGAACAATTTGCATATTTGGAGATCGGAAGAGCGGTTCAG
chr7	151860922	151860961	MLL3_10660	+	GTGACCTATGCACCAGACGTAAAATGCATCATTACTCATTTCTATACAGCATAGGTACTGAGATCGGAAGAGCGGTTCAG
chr7	151864474	151864513	MLL3_10661	+	GTGACCTATGCACCAGACGTATTAAAATTCAGTTGTGTTAATTTTCTAAAGAGTCCAACAAGATCGGAAGAGCGGTTCAG
chr7	151866345	151866384	MLL3_10662	+	GTGACCTATGCACCAGACGTTAAAATTTACAAATATGTTTATTCCACATTTCAGTTAAAGAGATCGGAAGAGCGGTTCAG
chr7	151871338	151871377	MLL3_10663	+	GTGACCTATGCACCAGACGTAATATAAAGTTACTTATTTCATAGTAATTAGTTCAACGTAAGATCGGAAGAGCGGTTCAG
chr7	151877222	151877261	MLL3_10664	+	GTGACCTATGCACCAGACGTAGAAACAAAAATCACTGGGATTTGTGGTAATTAATGGCTTAGATCGGAAGAGCGGTTCAG
chr7	151879690	151879729	MLL3_10665	+	GTGACCTATGCACCAGACGTAGAAAAGAAAAAGCAATCATATTTAGGTTAAGGAAGAAAAAGATCGGAAGAGCGGTTCAG
chr7	151880252	151880291	MLL3_10666	+	GTGACCTATGCACCAGACGTAGAAGAGAAAAAAATTTCCCAGATTATGTTAAATGTTTTAAGATCGGAAGAGCGGTTCAG
chr7	151882727	151882766	MLL3_10667	+	GTGACCTATGCACCAGACGTAGAACAGAGTATAACACTTTCTCAGAGCCATGCTAATGATAGATCGGAAGAGCGGTTCAG
chr7	151884572	151884611	MLL3_10668	+	GTGACCTATGCACCAGACGTATAAATATCTTTACTTTATGAACATAAAATAACTTCTTAAAGATCGGAAGAGCGGTTCAG
chr7	151884943	151884982	MLL3_10669	+	GTGACCTATGCACCAGACGTAAAAATAATTCCGTTGGCATGATATTCACAAGTAACAAGGAGATCGGAAGAGCGGTTCAG
chr7	151891224	151891263	MLL3_10670	+	GTGACCTATGCACCAGACGTAAACAATAATAGTAACAAGATTAAAAGACTAGTAGGGTCCAGATCGGAAGAGCGGTTCAG
chr7	151891357	151891396	MLL3_10671	+	GTGACCTATGCACCAGACGTTTAAAAAAAAAAAGAAACATTAACAGCTACTAATTCAATAGATCGGAAGAGCGGTTCAG
chr7	151891664	151891703	MLL3_10672	+	GTGACCTATGCACCAGACGTAAGGAAAATAAATTTAAAGGTACATTCAGAATACTCACACAGATCGGAAGAGCGGTTCAG

chr7	151893107	151893146	MLL3_10673	+	GTGACCTATGCACCAGACGTTAAATATGTTTTTTAAAATTTCAGTATTTTCTCAGATATTAGATCGGAAGAGCGGTTCAG
chr7	151896555	151896594	MLL3_10674	+	GTGACCTATGCACCAGACGTATAAGCACATACAAAAATGGTTAGAAAATTCTAAAAAGACAGATCGGAAGAGCGGTTCAG
chr7	151900160	151900199	MLL3_10675	+	GTGACCTATGCACCAGACGTAGTCACATTTATAAATATGTGACATTTAAAATTTCTAGACAGATCGGAAGAGCGGTTCAG
chr7	151902321	151902360	MLL3_10676	+	GTGACCTATGCACCAGACGTAAGAAATTAGGTAAACTGATAAGTAATTTCTCCCTACATTAGATCGGAAGAGCGGTTCAG
chr7	151904524	151904563	MLL3_10677	+	GTGACCTATGCACCAGACGTGTAAATGTATACACAAAACTGGAAAAACCTATCAAATATAAGATCGGAAGAGCGGTTCAG
chr7	151917831	151917870	MLL3_10678	+	GTGACCTATGCACCAGACGTAAAATCCCAAGGATACAAATTTAAACTTTCATTTCAAATTAGATCGGAAGAGCGGTTCAG
chr7	151919162	151919201	MLL3_10679	+	GTGACCTATGCACCAGACGTAAAAAAAAATCCAGGTAATTCTTTTCAGAAAAGGTAAAGTAGATCGGAAGAGCGGTTCAG
chr7	151919778	151919817	MLL3_10680	+	GTGACCTATGCACCAGACGTCATATTTGTACATTTTTTTTAAAAAATGGAATATACTGAGAGATCGGAAGAGCGGTTCAG
chr7	151921275	151921314	MLL3_10681	+	GTGACCTATGCACCAGACGTAATCCCCCCGAAAAGTCTCAATTTTATTTTCTTAGTTACTAGATCGGAAGAGCGGTTCAG
chr7	151921712	151921751	MLL3_10682	+	GTGACCTATGCACCAGACGTAACAACCAATCCATGTGATTTATGCATTAACCTAACATAAAGATCGGAAGAGCGGTTCAG
chr7	151927123	151927162	MLL3_10683	+	GTGACCTATGCACCAGACGTGAAAACAGAACATATTTTAAATGGAGACTAAGCTAAAAACAGATCGGAAGAGCGGTTCAG
chr7	151927417	151927456	MLL3_10684	+	GTGACCTATGCACCAGACGTCAAAATACACAGAATACGAAGTTATATTTTTCACTTGTTTAGATCGGAAGAGCGGTTCAG
chr7	151933029	151933068	MLL3_10685	+	GTGACCTATGCACCAGACGTGATTGGGAAAAGTCAACATTCTGTGACAGACCAAAATAATAGATCGGAAGAGCGGTTCAG
chr7	151935922	151935961	MLL3_10686	+	GTGACCTATGCACCAGACGTGCAGTTGAGAAAATAGATGTGTAAAACTCAGCAACATAAAAGATCGGAAGAGCGGTTCAG
chr7	151945716	151945755	MLL3_10687	+	GTGACCTATGCACCAGACGTCAGAACATTTGTTATGGCAATGTACAAACAAATTTTAAATAGATCGGAAGAGCGGTTCAG
chr7	151947049	151947088	MLL3_10688	+	GTGACCTATGCACCAGACGTCACATTTATAAAATCTCTAAGGAGTCAAAATTTCTGTAACAGATCGGAAGAGCGGTTCAG
chr7	151948062	151948101	MLL3_10689	+	GTGACCTATGCACCAGACGTAATTATTAATTCTTTAGCTCAGAATGAGTTTTTTTCTTTGAGATCGGAAGAGCGGTTCAG
chr7	151949186	151949225	MLL3_10690	+	GTGACCTATGCACCAGACGTAAGTATACTTAAATAAAAATTTCTAACATCGAGTTATTATAGATCGGAAGAGCGGTTCAG
chr7	151949811	151949850	MLL3_10691	+	GTGACCTATGCACCAGACGTGGAAAAATAAAAACAAAAACAGTTTGTTATGCATTTGTAAAGATCGGAAGAGCGGTTCAG
chr7	151960226	151960265	MLL3_10692	+	GTGACCTATGCACCAGACGTAGATAGCATTAATGATGCCTTATCTTTAAACTTATGTTTTAGATCGGAAGAGCGGTTCAG
chr7	151962305	151962344	MLL3_10693	+	GTGACCTATGCACCAGACGTCAGTGAAACAATGAAATTGTTGTATAAGAATTTAAATTTTAGATCGGAAGAGCGGTTCAG
chr7	151970963	151971002	MLL3_10694	+	GTGACCTATGCACCAGACGTTAAAGGAGAGAAATCTCTTTATAAAACCTTGAAAAGGAATAGATCGGAAGAGCGGTTCAG
chr7	152007171	152007210	MLL3_10695	+	GTGACCTATGCACCAGACGTAAAAATGAAAAGGAGCAAATGAGCAAACATTAAAAAAATTAGATCGGAAGAGCGGTTCAG
chr7	152009042	152009081	MLL3_10696	+	GTGACCTATGCACCAGACGTAATAAAATAACTGTGAAAGTGAAAACAAGCAGAAAATTGTAGATCGGAAGAGCGGTTCAG
chr7	152012434	152012473	MLL3_10697	+	GTGACCTATGCACCAGACGTTGAAATGTAAGTCAGAGAAGGAGAAAAGTAGCTTTATTCAAGATCGGAAGAGCGGTTCAG
chr7	152027835	152027874	MLL3_10698	+	GTGACCTATGCACCAGACGTGTAAACAAGAGAAAACAAAGAGTCATTTTTGTGTTTATTTAGATCGGAAGAGCGGTTCAG
chr7	152055771	152055810	MLL3_10699	+	GTGACCTATGCACCAGACGTAAAAAAAAATAATAAGTACATAGAGTTAAATGTTAAATTTAGATCGGAAGAGCGGTTCAG
chr7	152132882	152132921	MLL3_10700	+	GTGACCTATGCACCAGACGTAGGAAAGACACATGGATCCCGGTCCTCCTCCTGGGGGGCTAGATCGGAAGAGCGGTTCAG
chr7	151945356	151945395	MLL3_10701	+	GTGACCTATGCACCAGACGTTTGTAGCCTTTCTATAACCAACTGTTCCTCAGGACATAATAGATCGGAAGAGCGGTTCAG
chr7	151845501	151845540	MLL3_10702	+	GTGACCTATGCACCAGACGTGGGCAAAGCATAGTTTTGTCCTTAAAAAACATGCATTGTGAGATCGGAAGAGCGGTTCAG
chr7	151845874	151845913	MLL3_10703	+	GTGACCTATGCACCAGACGTCTATTTCATCCTCACAAGGTGGTTTAAATGTCCCCTTAGGAGATCGGAAGAGCGGTTCAG
chr7	151859639	151859678	MLL3_10704	+	GTGACCTATGCACCAGACGTGGCCTGCTGCCATATTGGGAGTGGATGGGCCGACTGGTTCAGATCGGAAGAGCGGTTCAG
chr7	151873741	151873780	MLL3_10705	+	GTGACCTATGCACCAGACGTTAATGTCTGAATTATCAGATTTCTCATTAGCAAGTAAACTAGATCGGAAGAGCGGTTCAG
chr7	151878277	151878316	MLL3_10706	+	GTGACCTATGCACCAGACGTGCTGGTGGCTGAGAGTAAGGGACAGAAATTCCAGGTCTTGAGATCGGAAGAGCGGTTCAG
chr7	151860066	151860105	MLL3_10707	+	GTGACCTATGCACCAGACGTCACAGAAGAAAAATTTGGGCTTCCAACAGGGATTGATGGTAGATCGGAAGAGCGGTTCAG
chr7	151874196	151874235	MLL3_10708	+	GTGACCTATGCACCAGACGTATTGGAAGGTCTAGTTCCTCATTAAACATGCTTTTCTTATAGATCGGAAGAGCGGTTCAG
chr7	151878748	151878787	MLL3_10709	+	GTGACCTATGCACCAGACGTCGCCTTGATGCCTGTGACACTGATCCATAAGGATCCTGAGAGATCGGAAGAGCGGTTCAG
chr7	151860493	151860532	MLL3_10710	+	GTGACCTATGCACCAGACGTGGATTGTTGTCATCAAATTCTACCCGAGGTGGTGGTCCACAGATCGGAAGAGCGGTTCAG
chr7	151874651	151874690	MLL3_10711	+	GTGACCTATGCACCAGACGTTGGCACTTGTTCCAAATCTGGGTGCACAGGTAGCTGATTAAGATCGGAAGAGCGGTTCAG
chr7	151879219	151879258	MLL3_10712	+	GTGACCTATGCACCAGACGTGGAGGTGGTCGAGGGGTACCAACCATTTTTGCATATGGATAGATCGGAAGAGCGGTTCAG
chr3	49925006	49925045	MST1R_10713	+	GTGACCTATGCACCAGACGTAAAGGGATGTCAGGTTAAGGCAATTTCCACCCAAGGATTCAGATCGGAAGAGCGGTTCAG
chr3	49927504	49927543	MST1R_10714	+	GTGACCTATGCACCAGACGTGGGGAGGTGAGGGGACTCAACTCACCCCAAATTTGGGGGCAGATCGGAAGAGCGGTTCAG
chr3	49928094	49928133	MST1R_10715	+	GTGACCTATGCACCAGACGTGGGAGAGGATCACACTTAGGACTGGCCCTTACCAGGCCCTAGATCGGAAGAGCGGTTCAG
chr3	49928750	49928789	MST1R_10716	+	GTGACCTATGCACCAGACGTAGGTGGGTTGGTGGGCAAGGGCACAGCAGCTCCTTCTCCAAGATCGGAAGAGCGGTTCAG
chr3	49929024	49929063	MST1R_10717	+	GTGACCTATGCACCAGACGTGCGCAAGTCAGGCACAGGGCAGGGCGTCCCTTTATAAGGCAGATCGGAAGAGCGGTTCAG
chr3	49929282	49929321	MST1R_10718	+	GTGACCTATGCACCAGACGTGTGCATAATGAGTCGATGAGAGGGGATCCAGGGCCCAAGGAGATCGGAAGAGCGGTTCAG
chr3	49932817	49932856	MST1R_10719	+	GTGACCTATGCACCAGACGTAGGGAATGAGGAGCTTGTAGGGACAGGGGGTGGCTTTAGCAGATCGGAAGAGCGGTTCAG
chr3	49932992	49933031	MST1R_10720	+	GTGACCTATGCACCAGACGTAGAATCCTTGGTGGCTTGGCTTTCCAAGCTCCTAGGGGCCAGATCGGAAGAGCGGTTCAG
chr3	49933324	49933363	MST1R_10721	+	GTGACCTATGCACCAGACGTGTGGCAACTCAGGCCCAGCCTGTAGGCCCTCTGCCCGTGTAGATCGGAAGAGCGGTTCAG
chr3	49933551	49933590	MST1R_10722	+	GTGACCTATGCACCAGACGTGGTCATGAGGACCAGCCAGTAGGCTGGCCCCTACTTTCAGAGATCGGAAGAGCGGTTCAG
chr3	49933848	49933887	MST1R_10723	+	GTGACCTATGCACCAGACGTCAATATGAGAGTGATTAGCCAGGAACCCCACCTGTGATTGAGATCGGAAGAGCGGTTCAG
chr3	49934077	49934116	MST1R_10724	+	GTGACCTATGCACCAGACGTGGGTAGGGTGGTAGGCTTTGGGTGTTCTCCAAAGCTGGCTAGATCGGAAGAGCGGTTCAG
chr3	49934334	49934373	MST1R_10725	+	GTGACCTATGCACCAGACGTAAGAGATTGGGCTCAAGGTTACCCTCTTTGTGATGGCCAGAGATCGGAAGAGCGGTTCAG
chr3	49934860	49934899	MST1R_10726	+	GTGACCTATGCACCAGACGTATAGAGGTGGCTTAGGCAGGTCCTCCACTCCAAGCCCCTCAGATCGGAAGAGCGGTTCAG
chr3	49935129	49935168	MST1R_10727	+	GTGACCTATGCACCAGACGTAGGGGAACCCCTGAGGTCAGCCAGGAATTACACAGGCCTAAGATCGGAAGAGCGGTTCAG
chr3	49935655	49935694	MST1R_10728	+	GTGACCTATGCACCAGACGTGGAAACAGCCTGAGTCCTCATGTGGGGTTGGGCTCTCTCAAGATCGGAAGAGCGGTTCAG
chr3	49936132	49936171	MST1R_10729	+	GTGACCTATGCACCAGACGTAAGACAGGTGACTCAGGGGTGCCTGGAGGGAGAGATTGGGAGATCGGAAGAGCGGTTCAG
chr3	49936439	49936478	MST1R_10730	+	GTGACCTATGCACCAGACGTTCAGATGTGAGCAAAATGGGGATGGAGACAAGGACCCAGGAGATCGGAAGAGCGGTTCAG

chr3	49936707	49936746	MST1R_10731	+	GTGACCTATGCACCAGACGTTCAGGGAAGGGAAGGAGTCAGGGTTCAGCCTTGTGCCCCGAGATCGGAAGAGCGGTTCAG
chr3	49941053	49941092	MST1R_10732	+	GTGACCTATGCACCAGACGTTGGGACCCTAGAGGATCCCTACCGGCCTGGGCCTGGACCTAGATCGGAAGAGCGGTTCAG
chr3	49940233	49940272	MST1R_10733	+	GTGACCTATGCACCAGACGTTGTCACGCTGGCCGGCTGTACAGTCAGGAAGTATACGAAGAGATCGGAAGAGCGGTTCAG
chr3	49940643	49940682	MST1R_10734	+	GTGACCTATGCACCAGACGTTGACCAGCGCAGGCAGCGCGGGATCCAGCACCAGCACCTTAGATCGGAAGAGCGGTTCAG
chr1	155158696	155158735	MUC1_10735	+	GTGACCTATGCACCAGACGTGGAAAAGAGATCCAGGGTGAGGAGCAAAAGGTACCTCCTAAGATCGGAAGAGCGGTTCAG
chr1	155159861	155159900	MUC1_10736	+	GTGACCTATGCACCAGACGTAGGAGGTTATGGCAGGCCATGGAGTGCCTTCTACCGGGGGAGATCGGAAGAGCGGTTCAG
chr1	155160063	155160102	MUC1_10737	+	GTGACCTATGCACCAGACGTAAGCAGTGGTCAGGGCAGTCTCCCAGAGGAGGCGCCCCTCAGATCGGAAGAGCGGTTCAG
chr1	155160345	155160384	MUC1_10738	+	GTGACCTATGCACCAGACGTGGAAATGGGCACTTCAGCCACGGGTCCCAGCTCTGGCTCAAGATCGGAAGAGCGGTTCAG
chr1	155160550	155160589	MUC1_10739	+	GTGACCTATGCACCAGACGTAGGGAAAGGACTCAGGCTTGATGCAAAGGGTGTGGACAGTAGATCGGAAGAGCGGTTCAG
chr1	155160699	155160738	MUC1_10740	+	GTGACCTATGCACCAGACGTGGAATTAAACTGGAGGTTTGAAATGTGAAAAGACAGGAAAAGATCGGAAGAGCGGTTCAG
chr1	155160718	155160757	MUC1_10741	+	GTGACCTATGCACCAGACGTGAAATGTGAAAAGACAGGAAAAAGAAAGAGACCCCAGTAGAGATCGGAAGAGCGGTTCAG
chr1	155160772	155160811	MUC1_10742	+	GTGACCTATGCACCAGACGTGTGCTGTGATTGGAGGAGGTGAGAGGAGGTACCGTGCTATAGATCGGAAGAGCGGTTCAG
chr1	155162085	155162124	MUC1_10743	+	GTGACCTATGCACCAGACGTTTTAGGGGCTGTGGTAGCTGTAAGAAGTTAAAGTCATAGGAGATCGGAAGAGCGGTTCAG
chr1	155162112	155162151	MUC1_10744	+	GTGACCTATGCACCAGACGTTTAAAGTCATAGGGTTGGGTCTTTATGAAGGAAAAATAAGAGATCGGAAGAGCGGTTCAG
chr1	155162645	155162684	MUC1_10745	+	GTGACCTATGCACCAGACGTAAATGGGTGGGGAGGGGGCAGAACAGATTCAGGCAGGCGCAGATCGGAAGAGCGGTTCAG
chr10	76603247	76603286	MYST4_10746	+	GTGACCTATGCACCAGACGTGAGTAATGTTCGTGCATTCTCACTACTGTCCTTTTGTCTTAGATCGGAAGAGCGGTTCAG
chr10	76719847	76719886	MYST4_10747	+	GTGACCTATGCACCAGACGTTTTTTCCTATGTGTTGTACAATGACTTCCCATTATCATAGAGATCGGAAGAGCGGTTCAG
chr10	76729544	76729583	MYST4_10748	+	GTGACCTATGCACCAGACGTCTCCCGTAATCCGCCTCCAGGTAACTCGCTAATTTCCAGTAGATCGGAAGAGCGGTTCAG
chr10	76729870	76729909	MYST4_10749	+	GTGACCTATGCACCAGACGTAAACTGTACTAAAAATGTATTTTATTACATATTGGTTAGCAGATCGGAAGAGCGGTTCAG
chr10	76732408	76732447	MYST4_10750	+	GTGACCTATGCACCAGACGTATCTTATCAAAAGAAATCATTTATGTTTTGCTTTAAAATAAGATCGGAAGAGCGGTTCAG
chr10	76736099	76736138	MYST4_10751	+	GTGACCTATGCACCAGACGTGGTCAAAGCTCCAACCAAACCTGCGTCCCGTCCCTTTCTCAGATCGGAAGAGCGGTTCAG
chr10	76737206	76737245	MYST4_10752	+	GTGACCTATGCACCAGACGTGATCCCACATTGTAGTAGCAAGTATAAGATGTGGCTTCTAAGATCGGAAGAGCGGTTCAG
chr10	76739108	76739147	MYST4_10753	+	GTGACCTATGCACCAGACGTAAGTCTGGCAGGTGTATAACTTGAATGTCACATATGTGAGAGATCGGAAGAGCGGTTCAG
chr10	76741697	76741736	MYST4_10754	+	GTGACCTATGCACCAGACGTGTAAATAAAAAAATTCAGCTTTTTGAAATCTAGTACTCCTAGATCGGAAGAGCGGTTCAG
chr10	76745010	76745049	MYST4_10755	+	GTGACCTATGCACCAGACGTAGCCAGCATGACCTTCATTTTCTTTTTCAAAATGTTTTTGAGATCGGAAGAGCGGTTCAG
chr10	76748881	76748920	MYST4_10756	+	GTGACCTATGCACCAGACGTTACTTTATTTACTTTCATGATCCAGGAAGCTGATGGCCGTAGATCGGAAGAGCGGTTCAG
chr10	76780582	76780621	MYST4_10757	+	GTGACCTATGCACCAGACGTGGACCCTGGGCAGCTCCGTGGCTCAGGCATCCCACACCAGAGATCGGAAGAGCGGTTCAG
chr10	76781054	76781093	MYST4_10758	+	GTGACCTATGCACCAGACGTTCTTTATCATCCTAAGTTGTGTAACTTCAATCTTGTAGCAAGATCGGAAGAGCGGTTCAG
chr10	76782000	76782039	MYST4_10759	+	GTGACCTATGCACCAGACGTGTTTAGATTTTCTGTGAGTCGCGTTCAATCAAATCTTATTAGATCGGAAGAGCGGTTCAG
chr10	76785018	76785057	MYST4_10760	+	GTGACCTATGCACCAGACGTGAATGATAAAAACCTTACCCTTGAGAATGTCTGTATCTGAAGATCGGAAGAGCGGTTCAG
chr10	76790815	76790854	MYST4_10761	+	GTGACCTATGCACCAGACGTCAGTCCACAAAACCTACGGGGCATCACTATTGGATTGATCAGATCGGAAGAGCGGTTCAG
chr10	76602936	76602975	MYST4_10762	+	GTGACCTATGCACCAGACGTGAATAAACTTTTAAGGAGAGCAATTGAAGGACTTGAGGAGAGATCGGAAGAGCGGTTCAG
chr10	76735633	76735672	MYST4_10763	+	GTGACCTATGCACCAGACGTCCACTTCTTCTCCCTCTCCCCAGAGTTCTTCCAGCCAGTGAGATCGGAAGAGCGGTTCAG
chr10	76789109	76789148	MYST4_10764	+	GTGACCTATGCACCAGACGTAGAACAGGCACAGAAGCAGGACCAAAAGAACAGCAAGGAAAGATCGGAAGAGCGGTTCAG
chr10	76789535	76789574	MYST4_10765	+	GTGACCTATGCACCAGACGTTGTCCCATCAGTTTCAGATCATTCACAGCAAGTCGTAGACAGATCGGAAGAGCGGTTCAG
chr10	76789961	76790000	MYST4_10766	+	GTGACCTATGCACCAGACGTCTTATACGAGCGAATGGGTCAGAGTGATTTTGGGGCTGGGAGATCGGAAGAGCGGTTCAG
chr10	76790387	76790426	MYST4_10767	+	GTGACCTATGCACCAGACGTCGCTGCCACCCATCAGTCACAAATCTATGGGCGCTCCCAGAGATCGGAAGAGCGGTTCAG
chr12	78225495	78225534	NAV3_10768	+	GTGACCTATGCACCAGACGTGAAGTTACCTGCAGACTTGTGTAGCTAAAATGCACATTTCAGATCGGAAGAGCGGTTCAG
chr12	78334227	78334266	NAV3_10769	+	GTGACCTATGCACCAGACGTCCTTCTGAAAGAAAGCATGAAAGTCTCTGCTCCCATCTCTAGATCGGAAGAGCGGTTCAG
chr12	78334924	78334963	NAV3_10770	+	GTGACCTATGCACCAGACGTTATTTATTCTCAATATATAATGCTGATCTTCACTTCCAGAAGATCGGAAGAGCGGTTCAG
chr12	78362493	78362532	NAV3_10771	+	GTGACCTATGCACCAGACGTGAAGTAGGGAATGTGTTTCCAATTAGTTTGTGTAGATACAAGATCGGAAGAGCGGTTCAG
chr12	78388662	78388701	NAV3_10772	+	GTGACCTATGCACCAGACGTATTCTCTAATTTATTGCTTATTAGTGATATGCAAATAAATAGATCGGAAGAGCGGTTCAG
chr12	78392267	78392306	NAV3_10773	+	GTGACCTATGCACCAGACGTGTTACATCATTATGACACAAGTCCAACATGAGTCTTGTGAAGATCGGAAGAGCGGTTCAG
chr12	78401236	78401275	NAV3_10774	+	GTGACCTATGCACCAGACGTCTCTGTTTATCCACAGTTGTAAATATATTTACAGGCCTACAGATCGGAAGAGCGGTTCAG
chr12	78415653	78415692	NAV3_10775	+	GTGACCTATGCACCAGACGTTCATCGATGCATAGGTCAAACCTAGGAATTTCCGTATTCTAGATCGGAAGAGCGGTTCAG
chr12	78443892	78443931	NAV3_10776	+	GTGACCTATGCACCAGACGTATTTTGCATATATTTGAGCCAATAAAGAAAAAATAATTACAGATCGGAAGAGCGGTTCAG
chr12	78444938	78444977	NAV3_10777	+	GTGACCTATGCACCAGACGTCTGTTCTCCGTCAGCATTGTGTGAAGAGGGGAGGTGGTCTAGATCGGAAGAGCGGTTCAG
chr12	78452906	78452945	NAV3_10778	+	GTGACCTATGCACCAGACGTCAGCATATATGATGGTGAGACATGCATGAAGTAATTTTATAGATCGGAAGAGCGGTTCAG
chr12	78510695	78510734	NAV3_10779	+	GTGACCTATGCACCAGACGTCCACCTTTCTTTTTCCAGTGTTTCTGCCAGCTTTTTCCCCAGATCGGAAGAGCGGTTCAG
chr12	78512088	78512127	NAV3_10780	+	GTGACCTATGCACCAGACGTCGTTTGCCAGCTGTTATGCAAAAGTGCTTTACTTTATTGTAGATCGGAAGAGCGGTTCAG
chr12	78516219	78516258	NAV3_10781	+	GTGACCTATGCACCAGACGTCTGGAGGCATTGATAACATCTTCCCCCTCTTCCCTGCACTAGATCGGAAGAGCGGTTCAG
chr12	78520999	78521038	NAV3_10782	+	GTGACCTATGCACCAGACGTCTCTCAGCACAATTGCTACCTCTCTGTTGTTATGTAAACTAGATCGGAAGAGCGGTTCAG
chr12	78522657	78522696	NAV3_10783	+	GTGACCTATGCACCAGACGTCTAAAATATTGATTTTGTTTTGTTTCTTTCACCACCCACTAGATCGGAAGAGCGGTTCAG
chr12	78531156	78531195	NAV3_10784	+	GTGACCTATGCACCAGACGTAGGGGGATTAAAGATGAAGTCACTTTATTTAAACCCTGAGAGATCGGAAGAGCGGTTCAG
chr12	78534125	78534164	NAV3_10785	+	GTGACCTATGCACCAGACGTGCTGTTAAGAAAAAGCTTGTGCTTTTGCCATGCACACAGAAGATCGGAAGAGCGGTTCAG
chr12	78540183	78540222	NAV3_10786	+	GTGACCTATGCACCAGACGTAATATGCAATATTTTAATATTTTCTATTTTAGTTTGCATTAGATCGGAAGAGCGGTTCAG
chr12	78542710	78542749	NAV3_10787	+	GTGACCTATGCACCAGACGTTCATTTTTAAAATATATTACAACAAATTTTTATAGAGGAAAGATCGGAAGAGCGGTTCAG
chr12	78553077	78553116	NAV3_10788	+	GTGACCTATGCACCAGACGTAAATTGCCACTGGAGACTGAAAGAAGACAGCAAATTGCATAGATCGGAAGAGCGGTTCAG

chr12	78562657	78562696	NAV3_10789	+	GTGACCTATGCACCAGACGTAAATCATTTCATTTCCACCCAATATAATAGACATCTATTTAGATCGGAAGAGCGGTTCAG
chr12	78569218	78569257	NAV3_10790	+	GTGACCTATGCACCAGACGTATCCTTCATCTAATTCAGAAGCTTATTAATGCATAATGTGAGATCGGAAGAGCGGTTCAG
chr12	78570250	78570289	NAV3_10791	+	GTGACCTATGCACCAGACGTACCGTGGACAATTTGGCATGCATCTATAAAAAAACCCTACAGATCGGAAGAGCGGTTCAG
chr12	78571104	78571143	NAV3_10792	+	GTGACCTATGCACCAGACGTCCTTCTGCAAAATGCAGACATATTTTTTAAAAACAATTTTAGATCGGAAGAGCGGTTCAG
chr12	78573473	78573512	NAV3_10793	+	GTGACCTATGCACCAGACGTAAGCACTTTCAAGGAATAAAATGGAGAAACAAAAAAATGCAGATCGGAAGAGCGGTTCAG
chr12	78574836	78574875	NAV3_10794	+	GTGACCTATGCACCAGACGTGCACATGCTTGCCTGAATCACAGCATACCCATGAGTTAACAGATCGGAAGAGCGGTTCAG
chr12	78579489	78579528	NAV3_10795	+	GTGACCTATGCACCAGACGTAATCTTAAACTCTTTATTACTAACAATGAGAATTACCATGAGATCGGAAGAGCGGTTCAG
chr12	78582134	78582173	NAV3_10796	+	GTGACCTATGCACCAGACGTCAAGACACCCTAATAGTACTTTTCAAATATGTTTCTCTTTAGATCGGAAGAGCGGTTCAG
chr12	78582568	78582607	NAV3_10797	+	GTGACCTATGCACCAGACGTTAATGAAAAGCAAGGCAGAAATATAATTTTTAGCAACATTAGATCGGAAGAGCGGTTCAG
chr12	78584010	78584049	NAV3_10798	+	GTGACCTATGCACCAGACGTGAATTCTAAGAGAACAGCTACAATTTATCCATAAGTGTTTAGATCGGAAGAGCGGTTCAG
chr12	78591192	78591231	NAV3_10799	+	GTGACCTATGCACCAGACGTCAAATATTCTGAATAATGAAATATGAAATAATTATCATCAAGATCGGAAGAGCGGTTCAG
chr12	78592467	78592506	NAV3_10800	+	GTGACCTATGCACCAGACGTGTTGAAGGTTTTTTTGTTTTGTTTTTTTGTTTTGTGTTGGAGATCGGAAGAGCGGTTCAG
chr12	78593322	78593361	NAV3_10801	+	GTGACCTATGCACCAGACGTAAATTATAATATGCCATTTTCCAGGAACTAACAGTGCTTGAGATCGGAAGAGCGGTTCAG
chr12	78598929	78598968	NAV3_10802	+	GTGACCTATGCACCAGACGTGATGTTCATTTCTTCCTATGTAATCTTGACTACAGTGTATAGATCGGAAGAGCGGTTCAG
chr12	78604308	78604347	NAV3_10803	+	GTGACCTATGCACCAGACGTAAGTTAAGGGAAAAGACTTTGCTTTTAAAAAAATGTTTCAAGATCGGAAGAGCGGTTCAG
chr12	78513381	78513420	NAV3_10804	+	GTGACCTATGCACCAGACGTTCGCAGCTTGCCCCGCCCTTCAAAATCCAGCACCAGTGGCAGATCGGAAGAGCGGTTCAG
chr12	78400551	78400590	NAV3_10805	+	GTGACCTATGCACCAGACGTGAAGGATGATGATGCCTTTTCTGAATCTGGTGAAATGGAAAGATCGGAAGAGCGGTTCAG
chr12	78400893	78400932	NAV3_10806	+	GTGACCTATGCACCAGACGTTGGTATTCCAAAACCAGGCTCTAAAGTTCCAACAGTAAAGAGATCGGAAGAGCGGTTCAG
chr1	120459328	120459367	NOTCH2_10807	+	GTGACCTATGCACCAGACGTGGCCCATCACAGAACACATGTTAATAACACTCTTGAGAATAGATCGGAAGAGCGGTTCAG
chr1	120460396	120460435	NOTCH2_10808	+	GTGACCTATGCACCAGACGTGAAACATTTTTATAAACAGACATATCCTACTCTTAGTATAAGATCGGAAGAGCGGTTCAG
chr1	120461187	120461226	NOTCH2_10809	+	GTGACCTATGCACCAGACGTAGAAAGTACAGAAAAGAGAGTCACCTGGATGAAGGAAAATAGATCGGAAGAGCGGTTCAG
chr1	120462247	120462286	NOTCH2_10810	+	GTGACCTATGCACCAGACGTGGAAAATTCCATAAAGTACTCAAGAAGGAGAAGGTAGTTAAGATCGGAAGAGCGGTTCAG
chr1	120463031	120463070	NOTCH2_10811	+	GTGACCTATGCACCAGACGTAAAACAATGCTCCCTATCAATCTGGCCACCACCAGAAACTAGATCGGAAGAGCGGTTCAG
chr1	120464443	120464482	NOTCH2_10812	+	GTGACCTATGCACCAGACGTTATAAAAAGAAAAAATAAGAATGGCAGTCATAAACTAATAAGATCGGAAGAGCGGTTCAG
chr1	120465080	120465119	NOTCH2_10813	+	GTGACCTATGCACCAGACGTACAGAGACAGGGAAAGTGCTGAATAAAACATTAACCTCTCAGATCGGAAGAGCGGTTCAG
chr1	120465412	120465451	NOTCH2_10814	+	GTGACCTATGCACCAGACGTCCAAGGGAGAAGCGGAGGAGGAGAGATGGGGGTAAAACAGAGATCGGAAGAGCGGTTCAG
chr1	120466618	120466657	NOTCH2_10815	+	GTGACCTATGCACCAGACGTGGAAGCAGAGAACAGGCAAAAGAGCTCAGATTAGACTGGAAGATCGGAAGAGCGGTTCAG
chr1	120468444	120468483	NOTCH2_10816	+	GTGACCTATGCACCAGACGTCAGTGAGGAAATAAAAATGGCATTGGTAGGAAAACAGTCAAGATCGGAAGAGCGGTTCAG
chr1	120469245	120469284	NOTCH2_10817	+	GTGACCTATGCACCAGACGTAAAAAATAAAAAAGGTTTTAAAAGGCAGAAGTAGTCACTGAGATCGGAAGAGCGGTTCAG
chr1	120471846	120471885	NOTCH2_10818	+	GTGACCTATGCACCAGACGTGAGAAGAGGTACAGAATTATGAAAATCCTTTTAACCTGCTAGATCGGAAGAGCGGTTCAG
chr1	120478238	120478277	NOTCH2_10819	+	GTGACCTATGCACCAGACGTGAAACAAAAAGGACAAGAAATATTGGACCATTACTGGAAAAGATCGGAAGAGCGGTTCAG
chr1	120480100	120480139	NOTCH2_10820	+	GTGACCTATGCACCAGACGTCAGTGAGGGAGAAATGTCATAGAAGAACATGTGACACATGAGATCGGAAGAGCGGTTCAG
chr1	120480644	120480683	NOTCH2_10821	+	GTGACCTATGCACCAGACGTGGCAGGGGTGTACATACATCAAAATTCAAATACTAGAAATAGATCGGAAGAGCGGTTCAG
chr1	120483390	120483429	NOTCH2_10822	+	GTGACCTATGCACCAGACGTAACAGAGCAACATCAGCTATGTATCTGGTGCCTGTGACTTAGATCGGAAGAGCGGTTCAG
chr1	120484388	120484427	NOTCH2_10823	+	GTGACCTATGCACCAGACGTACAAAAGAATTAGACCTCTGAAGAGTAGCATCAGTTTAATAGATCGGAAGAGCGGTTCAG
chr1	120491200	120491239	NOTCH2_10824	+	GTGACCTATGCACCAGACGTAGGGCCAATAAATGACCTAGTCCTTGGAAGCTGATTCCCAAGATCGGAAGAGCGGTTCAG
chr1	120491760	120491799	NOTCH2_10825	+	GTGACCTATGCACCAGACGTAATGACAGAGTTTATGACAGATAAACAGGTAAGAAAACGAAGATCGGAAGAGCGGTTCAG
chr1	120493471	120493510	NOTCH2_10826	+	GTGACCTATGCACCAGACGTAAGGAAAAAACCAAAAACAGTAAAACTTTCTGACAGCCTCAGATCGGAAGAGCGGTTCAG
chr1	120496322	120496361	NOTCH2_10827	+	GTGACCTATGCACCAGACGTACAAAACTTTTTACTATAGGAGGTATAAACGTATGATTGAAGATCGGAAGAGCGGTTCAG
chr1	120497866	120497905	NOTCH2_10828	+	GTGACCTATGCACCAGACGTGGGGGACAGTGTTAGTCACATCCTAAATGCTTAGGAAATAAGATCGGAAGAGCGGTTCAG
chr1	120502136	120502175	NOTCH2_10829	+	GTGACCTATGCACCAGACGTAAACCCAACGGAAACCATTCAATGTTACCACAGAAATACTAGATCGGAAGAGCGGTTCAG
chr1	120506441	120506480	NOTCH2_10830	+	GTGACCTATGCACCAGACGTAATTTTATCAAGGATTCTCAAAGACCAAGGCAGATATTCCAGATCGGAAGAGCGGTTCAG
chr1	120508200	120508239	NOTCH2_10831	+	GTGACCTATGCACCAGACGTGACAGTGGTAACATGAGTCAAAGGATTATCTTGTGTCTCCAGATCGGAAGAGCGGTTCAG
chr1	120509123	120509162	NOTCH2_10832	+	GTGACCTATGCACCAGACGTCAGACCACACAAGTGGCTTAAAGAGAGAGAAAGGTGTATTAGATCGGAAGAGCGGTTCAG
chr1	120510255	120510294	NOTCH2_10833	+	GTGACCTATGCACCAGACGTCAAGTACCAATTACTGGGATCAAAGCAGTTGAGTTTCCACAGATCGGAAGAGCGGTTCAG
chr1	120510866	120510905	NOTCH2_10834	+	GTGACCTATGCACCAGACGTGTGGGGCAAAGGACAACTAAGAGAAAATGTCTCTCACTTGAGATCGGAAGAGCGGTTCAG
chr1	120512378	120512417	NOTCH2_10835	+	GTGACCTATGCACCAGACGTGAAATTACTTTTGATTAGGGCTCTTGAGTCTCAAAGGACTAGATCGGAAGAGCGGTTCAG
chr1	120529716	120529755	NOTCH2_10836	+	GTGACCTATGCACCAGACGTAAGAACAAATGAAAATGATGAAATCTCATACAGAAGAAACAGATCGGAAGAGCGGTTCAG
chr1	120539966	120540005	NOTCH2_10837	+	GTGACCTATGCACCAGACGTGATAACAAAACTCAGTACTGGCCACAGAAATAGGAGATGGAGATCGGAAGAGCGGTTCAG
chr1	120548222	120548261	NOTCH2_10838	+	GTGACCTATGCACCAGACGTAAGAGAAGAGTCCATGAAAACACCTGACTTCTTGTAAGTCAGATCGGAAGAGCGGTTCAG
chr1	120572621	120572660	NOTCH2_10839	+	GTGACCTATGCACCAGACGTAAACAAATGCACATTAGAAGTAAGTCACTAATCATAACCCAGATCGGAAGAGCGGTTCAG
chr1	120468191	120468230	NOTCH2_10840	+	GTGACCTATGCACCAGACGTTGCCGTGTAGAGTTCACAGCGGCTACCCGAGAATGGTGGGAGATCGGAAGAGCGGTTCAG
chr1	120458402	120458441	NOTCH2_10841	+	GTGACCTATGCACCAGACGTTACTGCCTTTAGGGATGAGCTGGAAAGTCACAATGGGGGGAGATCGGAAGAGCGGTTCAG
chr1	120458865	120458904	NOTCH2_10842	+	GTGACCTATGCACCAGACGTATACGTGTGAGGAGATTCTAGGGAATCAACAGGGGATAAAAGATCGGAAGAGCGGTTCAG
chr5	176563042	176563081	NSD1_10843	+	GTGACCTATGCACCAGACGTTTTGGTACAACTTAAATATATACATATATGTATATATACAAGATCGGAAGAGCGGTTCAG
chr5	176562212	176562251	NSD1_10844	+	GTGACCTATGCACCAGACGTATCCAATTTTTCTGAGCCACTTAATGGGTGTACTATGCAGAGATCGGAAGAGCGGTTCAG
chr5	176619031	176619070	NSD1_10845	+	GTGACCTATGCACCAGACGTCAGTGATTATACATGTTAAAGGCAGTTGCCTTTAGAATAAAGATCGGAAGAGCGGTTCAG
chr5	176631304	176631343	NSD1_10846	+	GTGACCTATGCACCAGACGTAAAAAGGCTTTTTATTGAGTGACAGAAGCAAGTAAGAAAAAGATCGGAAGAGCGGTTCAG

chr5	176639207	176639246	NSD1_10847	+	GTGACCTATGCACCAGACGTCTAAATGTGATAAAAAAAAAAAAAATTGGAGAAAGTGCTGAAGATCGGAAGAGCGGTTCAG
chr5	176662957	176662996	NSD1_10848	+	GTGACCTATGCACCAGACGTAAATTTCAGCAAACTTTCACTGGTCCTTAGGAAACTGCAAAGATCGGAAGAGCGGTTCAG
chr5	176665519	176665558	NSD1_10849	+	GTGACCTATGCACCAGACGTGTTGGGGTCTCAGTATTTGAGCAGATATGATTAGAGGAAGAGATCGGAAGAGCGGTTCAG
chr5	176666877	176666916	NSD1_10850	+	GTGACCTATGCACCAGACGTTTTGTAAGTTCTAAAAGAAATAAACTCAGGAAATGAGAAAAGATCGGAAGAGCGGTTCAG
chr5	176671282	176671321	NSD1_10851	+	GTGACCTATGCACCAGACGTTTGAGATTTAAAAAACGTAATGCAGTAGTAAGTTTGAAGTAGATCGGAAGAGCGGTTCAG
chr5	176673808	176673847	NSD1_10852	+	GTGACCTATGCACCAGACGTGTTCCTGATCTTTTCACCTTCTAAAGAGAAGCTACTTTTCAGATCGGAAGAGCGGTTCAG
chr5	176675336	176675375	NSD1_10853	+	GTGACCTATGCACCAGACGTGTTTGCCCACTTGTGTTTTCATTGCATGTTCATCTTTAAAAGATCGGAAGAGCGGTTCAG
chr5	176678865	176678904	NSD1_10854	+	GTGACCTATGCACCAGACGTTATCGAACGGTCTTCCTCCAAAGAAAGTTTGAATTTTAAGAGATCGGAAGAGCGGTTCAG
chr5	176684163	176684202	NSD1_10855	+	GTGACCTATGCACCAGACGTCTTATGTGGACCAGTCTAATTGTAAAACCTCAGTTTAATTAGATCGGAAGAGCGGTTCAG
chr5	176687180	176687219	NSD1_10856	+	GTGACCTATGCACCAGACGTATTTCTTCCTCTATTTGTAGTCTAAAAAGGGATTAAATCAAGATCGGAAGAGCGGTTCAG
chr5	176694730	176694769	NSD1_10857	+	GTGACCTATGCACCAGACGTAGAATAGCACTCATCTCTTTTACCATCCTCTGTTTCTTGAAGATCGGAAGAGCGGTTCAG
chr5	176696819	176696858	NSD1_10858	+	GTGACCTATGCACCAGACGTCCTTTTTGTTTCTCAGGCAAACACAGACCTCTGTTACCTGAGATCGGAAGAGCGGTTCAG
chr5	176700796	176700835	NSD1_10859	+	GTGACCTATGCACCAGACGTAATCTTGGGGGACCTTCTCTAGAAGAGAAATGGAATAGCTAGATCGGAAGAGCGGTTCAG
chr5	176707846	176707885	NSD1_10860	+	GTGACCTATGCACCAGACGTGCTAAATTACCATATACTTTCTCCTCTTTGCAGTTGCTTGAGATCGGAAGAGCGGTTCAG
chr5	176709593	176709632	NSD1_10861	+	GTGACCTATGCACCAGACGTGGAAATGCTGTTTTCACTGTTACAAGATTGTAAATTTGTGAGATCGGAAGAGCGGTTCAG
chr5	176710940	176710979	NSD1_10862	+	GTGACCTATGCACCAGACGTTTTCAGGATTCTGCAGCTGACATCTGAATTTCAGGGCTTTAGATCGGAAGAGCGGTTCAG
chr5	176715937	176715976	NSD1_10863	+	GTGACCTATGCACCAGACGTTCTAGACTTCTGCTTTGGGATTAGTGGTGCGGTCCTCCCTAGATCGGAAGAGCGGTTCAG
chr5	176719170	176719209	NSD1_10864	+	GTGACCTATGCACCAGACGTAAATCCATTTGTACCGCTACTCGTTCTCTCCATCATACTCAGATCGGAAGAGCGGTTCAG
chr5	176722471	176722510	NSD1_10865	+	GTGACCTATGCACCAGACGTTGTCACATGAACAAACAAGCTGCCCCCAGGGTACCATTTGAGATCGGAAGAGCGGTTCAG
chr5	176562578	176562617	NSD1_10866	+	GTGACCTATGCACCAGACGTTGTGGACGATGCAGATGTAGATTCTGAAATGGACCCAGAAAGATCGGAAGAGCGGTTCAG
chr5	176721250	176721289	NSD1_10867	+	GTGACCTATGCACCAGACGTATAAGGTCAGAGACCTCGCTGGGTCAGGGACCAAATCCCAAGATCGGAAGAGCGGTTCAG
chr5	176721657	176721696	NSD1_10868	+	GTGACCTATGCACCAGACGTCAGACCCTTGTAGCTAAAGAAAAAGCACTGAGGCCTGTGGAGATCGGAAGAGCGGTTCAG
chr5	176722064	176722103	NSD1_10869	+	GTGACCTATGCACCAGACGTGACCCCAGGGCCTCTTAGCCAATCCCCGGGCCTGGTGAAGAGATCGGAAGAGCGGTTCAG
chr5	176637074	176637113	NSD1_10870	+	GTGACCTATGCACCAGACGTCACAGGGTCCAACACTGCCCCAGGAAGTTTTCTGTTTTCTAGATCGGAAGAGCGGTTCAG
chr5	176637501	176637540	NSD1_10871	+	GTGACCTATGCACCAGACGTAAGCCTCTCATTAGTAACTCACATACAGACCACTTAATGGAGATCGGAAGAGCGGTTCAG
chr5	176637928	176637967	NSD1_10872	+	GTGACCTATGCACCAGACGTATGAGAAAACCAGGGATTCAAGTGACATAGAAACAGCAGTAGATCGGAAGAGCGGTTCAG
chr5	176638355	176638394	NSD1_10873	+	GTGACCTATGCACCAGACGTTGCATTATCTGGCGAGTTGTCTGCTTCCCTACCTGGCTTAAGATCGGAAGAGCGGTTCAG
chr5	176638782	176638821	NSD1_10874	+	GTGACCTATGCACCAGACGTTCTTTTGAAAACGGAAAAGGCCCAGAGCTGGACTCTGTAAAGATCGGAAGAGCGGTTCAG
chr11	117030750	117030789	PAFAH1B2_10875	+	GTGACCTATGCACCAGACGTAAGGGATGAGCGTGGTTCTTGGCTACTCATGTATATCCATAGATCGGAAGAGCGGTTCAG
chr11	117031988	117032027	PAFAH1B2_10876	+	GTGACCTATGCACCAGACGTAGTTACTTGTCAATGTCATTAATCTTAAGTCTGTTTTGGAAGATCGGAAGAGCGGTTCAG
chr11	117034619	117034658	PAFAH1B2_10877	+	GTGACCTATGCACCAGACGTGTTGGTGGGTAGAGAGTTTGTTATCTTTAGGTCAGCTGAGAGATCGGAAGAGCGGTTCAG
chr11	117038426	117038465	PAFAH1B2_10878	+	GTGACCTATGCACCAGACGTTCAGTGTTAATAGCATCTCAGCTTCCTCAGATCAGTTCTAAGATCGGAAGAGCGGTTCAG
chr20	9520275	9520314	PAK7_10879	+	GTGACCTATGCACCAGACGTACACAGATACCAATCTGAGGACTAACACAGACACCTAACCAGATCGGAAGAGCGGTTCAG
chr20	9523378	9523417	PAK7_10880	+	GTGACCTATGCACCAGACGTCACCCTACTGGTTATCTCAGGCAAGGAGAACATTCTGAAAAGATCGGAAGAGCGGTTCAG
chr20	9525152	9525191	PAK7_10881	+	GTGACCTATGCACCAGACGTAAGGAATGCAACAAACTAGCAATTTTAAAACAATGTCTGCAGATCGGAAGAGCGGTTCAG
chr20	9538392	9538431	PAK7_10882	+	GTGACCTATGCACCAGACGTAATAACATTTAAGGAACAAGACAGGTTTAAGAACATCTTTAGATCGGAAGAGCGGTTCAG
chr20	9543682	9543721	PAK7_10883	+	GTGACCTATGCACCAGACGTGGGAAATATACTTTTGACTTGTGAAGATGAAGTTGCTTTTAGATCGGAAGAGCGGTTCAG
chr20	9547042	9547081	PAK7_10884	+	GTGACCTATGCACCAGACGTAGACATGGATAGAGAATATTCACATGCTGGATCTGAATGCAGATCGGAAGAGCGGTTCAG
chr20	9561588	9561627	PAK7_10885	+	GTGACCTATGCACCAGACGTTAGAGGGAATATTGTTTAAAGAAAATATTTCATGGATTTAAGATCGGAAGAGCGGTTCAG
chr20	9624987	9625026	PAK7_10886	+	GTGACCTATGCACCAGACGTCCTGGGAAATATAAATGGAAAAGAGGCAGCCATTTATATCAGATCGGAAGAGCGGTTCAG
chr20	9561195	9561234	PAK7_10887	+	GTGACCTATGCACCAGACGTGAAAATCTGGCAAAATCGGATTTCAAAGGCTTCACCTCAGAGATCGGAAGAGCGGTTCAG
chr14	20811857	20811896	PARP2_10888	+	GTGACCTATGCACCAGACGTCAATATCGCGGGACGGCATGCGGGGGGCGGGCAGTCAGAAAGATCGGAAGAGCGGTTCAG
chr14	20813257	20813296	PARP2_10889	+	GTGACCTATGCACCAGACGTAAGGTCATGGGCCAGCAAAAGGGTCTCTGGTAGGAGTGGAAGATCGGAAGAGCGGTTCAG
chr14	20813296	20813335	PARP2_10890	+	GTGACCTATGCACCAGACGTATCTGGGGATGATATCTTGTTATTTCAACTCCTATTTCGTAGATCGGAAGAGCGGTTCAG
chr14	20813634	20813673	PARP2_10891	+	GTGACCTATGCACCAGACGTCTGGAACCGATCTTCAGTCCATGGATATCTCAGAGAGCATAGATCGGAAGAGCGGTTCAG
chr14	20815083	20815122	PARP2_10892	+	GTGACCTATGCACCAGACGTAGAAGAGGTGGCACCATTATATTTATGAGACCATCTTCTTAGATCGGAAGAGCGGTTCAG
chr14	20818792	20818831	PARP2_10893	+	GTGACCTATGCACCAGACGTTTATTGAGATTTTATGAGTTGGCATTCAGAAAGTCAGAAGAGATCGGAAGAGCGGTTCAG
chr14	20819292	20819331	PARP2_10894	+	GTGACCTATGCACCAGACGTAAAAGTGACTACAAAAAAATATACCCTCCTCTTCTTAGATAGATCGGAAGAGCGGTTCAG
chr14	20822417	20822456	PARP2_10895	+	GTGACCTATGCACCAGACGTACATTTTCTTCTGCATTCTCTCCTTATAATTCCTAGCTCCAGATCGGAAGAGCGGTTCAG
chr14	20823117	20823156	PARP2_10896	+	GTGACCTATGCACCAGACGTTGCTGTTACTTCACTTTGTTCTTCTACCTATACATATCCCAGATCGGAAGAGCGGTTCAG
chr14	20823985	20824024	PARP2_10897	+	GTGACCTATGCACCAGACGTTATGATTTGAGAAGTATTATATCCCTTATACCAGTGTCCTAGATCGGAAGAGCGGTTCAG
chr14	20824201	20824240	PARP2_10898	+	GTGACCTATGCACCAGACGTTGATCATTTATTTTCATATTCTTGCACCCTTAACCACCTCAGATCGGAAGAGCGGTTCAG
chr14	20824604	20824643	PARP2_10899	+	GTGACCTATGCACCAGACGTAGCTTTGCGTTTGGAAAGACACTCCTTGCCCGAAAGTACAAGATCGGAAGAGCGGTTCAG
chr14	20824859	20824898	PARP2_10900	+	GTGACCTATGCACCAGACGTTTGAACTCTGGGAGGAGCACAGGGGAAAGGGATACAGTAAAGATCGGAAGAGCGGTTCAG
chr14	20825319	20825358	PARP2_10901	+	GTGACCTATGCACCAGACGTAGTATGTCTGTGATCTCTAGTTTATTAATTCCAGTTTTTTAGATCGGAAGAGCGGTTCAG
chr14	20825690	20825729	PARP2_10902	+	GTGACCTATGCACCAGACGTAGAACCAGGAGGACTAGAAGACTCCTTTTGGCCAGATAAGAGATCGGAAGAGCGGTTCAG
chr14	20825967	20826006	PARP2_10903	+	GTGACCTATGCACCAGACGTTAAATAAACCAGAGATCTGATCTTCAAGCAAGAAAATAAGAGATCGGAAGAGCGGTTCAG
chr17	26881524	26881563	PIGS_10904	+	GTGACCTATGCACCAGACGTGAAGGGACAAGAGGGTATACCAGTAAGTCCTAGGCATTGGAGATCGGAAGAGCGGTTCAG

chr17	26882090	26882129	PIGS_10905	+	GTGACCTATGCACCAGACGTATCGGAGTAAGATCAAGGTGGCTGAGACCACAAGGCGGGAAGATCGGAAGAGCGGTTCAG
chr17	26883295	26883334	PIGS_10906	+	GTGACCTATGCACCAGACGTGAATGAGATTGCCACAACATCATACCAGGCCCTTGCACAGAGATCGGAAGAGCGGTTCAG
chr17	26887220	26887259	PIGS_10907	+	GTGACCTATGCACCAGACGTAGGAGTCAGGGAAGTCAGAGGCTCTTGTGGATCAAAGAAGAGATCGGAAGAGCGGTTCAG
chr17	26888658	26888697	PIGS_10908	+	GTGACCTATGCACCAGACGTGAGCAAGAGACAGAATGCCCATGGCTCAGAAAAGAAAGCCAGATCGGAAGAGCGGTTCAG
chr17	26890551	26890590	PIGS_10909	+	GTGACCTATGCACCAGACGTGAACAGGTGGTACACCAAGAGCAAAACACCATTCCATCTCAGATCGGAAGAGCGGTTCAG
chr17	26890936	26890975	PIGS_10910	+	GTGACCTATGCACCAGACGTTAAGAAGTAGCACAATGAAAAGGGCAAGCATCATGCCTCTAGATCGGAAGAGCGGTTCAG
chr17	26897992	26898031	PIGS_10911	+	GTGACCTATGCACCAGACGTGAGCATCAGGGCCGTCACTGAGTCTCCACCTTGCCGGGGGAGATCGGAAGAGCGGTTCAG
chr17	26898217	26898256	PIGS_10912	+	GTGACCTATGCACCAGACGTGGGGAACCGACTGAGGCGCTGGAAACGGGCTAGGGTACCGAGATCGGAAGAGCGGTTCAG
chr17	26898525	26898564	PIGS_10913	+	GTGACCTATGCACCAGACGTGGCTGCTCCGGCCACCGTGGGGGCAGAGCTTCGTGAGCCTAGATCGGAAGAGCGGTTCAG
chr12	133201407	133201446	POLE_10914	+	GTGACCTATGCACCAGACGTAAACAGGCACAGTGAGACCCCAGTCCACTCAGAGAGGAGGAGATCGGAAGAGCGGTTCAG
chr12	133201591	133201630	POLE_10915	+	GTGACCTATGCACCAGACGTGCAGCCCCGATGGGCGCCAGCCCTCCCGCGCTGGCCAGACAGATCGGAAGAGCGGTTCAG
chr12	133202367	133202406	POLE_10916	+	GTGACCTATGCACCAGACGTCAAGAGTGCGAGAGGTCACCAGCCCAGCCTCCAGACCACAAGATCGGAAGAGCGGTTCAG
chr12	133202914	133202953	POLE_10917	+	GTGACCTATGCACCAGACGTCACAGCCCACATCGGGAAGGAGCTCCCGGGGCCTCCCTGCAGATCGGAAGAGCGGTTCAG
chr12	133209105	133209144	POLE_10918	+	GTGACCTATGCACCAGACGTAAGGATGCTGAGGGAGGGGTCTGGGACCTGTCTGGCACTGAGATCGGAAGAGCGGTTCAG
chr12	133209392	133209431	POLE_10919	+	GTGACCTATGCACCAGACGTGCACACACACCACAGGCCCTGAGTCGGGCTGCTGCAAACAAGATCGGAAGAGCGGTTCAG
chr12	133210975	133211014	POLE_10920	+	GTGACCTATGCACCAGACGTTGAGACAACGCGGCTGTGTTTGCACCATCGCGGCCTGGTAAGATCGGAAGAGCGGTTCAG
chr12	133212621	133212660	POLE_10921	+	GTGACCTATGCACCAGACGTAGCATTGAAGACGCTGCTTCAGTGAAATCGACCTTGTTCTAGATCGGAAGAGCGGTTCAG
chr12	133214736	133214775	POLE_10922	+	GTGACCTATGCACCAGACGTAGTTGAGAGTCCGTGGTGGAGACGCCACAGTCATGGAGAGAGATCGGAAGAGCGGTTCAG
chr12	133215895	133215934	POLE_10923	+	GTGACCTATGCACCAGACGTAGGTGCACGACACCCTCGTACCCTCAGCCTCCCACGCTGCAGATCGGAAGAGCGGTTCAG
chr12	133218448	133218487	POLE_10924	+	GTGACCTATGCACCAGACGTAGACGCCATGCTCAGCCAGCATCCTGCCAGCTCCAGCACCAGATCGGAAGAGCGGTTCAG
chr12	133218994	133219033	POLE_10925	+	GTGACCTATGCACCAGACGTGCACAGGTCAGCACCGGGGCACATCGCCGGGTCACAGAGAAGATCGGAAGAGCGGTTCAG
chr12	133219326	133219365	POLE_10926	+	GTGACCTATGCACCAGACGTGCAAAATGGAAGAAAAGACCTGGGTGGACCCAGCCTCAAAAGATCGGAAGAGCGGTTCAG
chr12	133219593	133219632	POLE_10927	+	GTGACCTATGCACCAGACGTGCAGGCCACGTCAGCCTCCCCCTGCGCAGGAGGAAGTGGGAGATCGGAAGAGCGGTTCAG
chr12	133219927	133219966	POLE_10928	+	GTGACCTATGCACCAGACGTAAACAAGACCGTCACCCCAGATGTGTGGGAGGCAGGCACAAGATCGGAAGAGCGGTTCAG
chr12	133220157	133220196	POLE_10929	+	GTGACCTATGCACCAGACGTCGGGCAGACAGGCCGGCAAGGGCTGGATGGTGGGGGCTCTAGATCGGAAGAGCGGTTCAG
chr12	133220574	133220613	POLE_10930	+	GTGACCTATGCACCAGACGTTACGACGATGATCTCGTCACTGGGCGTAAGTGGTAATGTCAGATCGGAAGAGCGGTTCAG
chr12	133225669	133225708	POLE_10931	+	GTGACCTATGCACCAGACGTACACGGACATACAGCACATCACAGGACACACTGGAACCCAAGATCGGAAGAGCGGTTCAG
chr12	133226112	133226151	POLE_10932	+	GTGACCTATGCACCAGACGTTGGTGAGCACAGCCAGTGTGCAAGTGGTGAGATGGGAATGAGATCGGAAGAGCGGTTCAG
chr12	133233855	133233894	POLE_10933	+	GTGACCTATGCACCAGACGTCCAACACCCATCAGAGAGAGACCCTTGTCTAACTGCACAGAGATCGGAAGAGCGGTTCAG
chr12	133234026	133234065	POLE_10934	+	GTGACCTATGCACCAGACGTAGGAAACGGGCACAGAGAACAGCAGGTGGCAGCAGCCAAGAGATCGGAAGAGCGGTTCAG
chr12	133234567	133234606	POLE_10935	+	GTGACCTATGCACCAGACGTAAGACAGGCACACAGCTCAGTAACAGTGAAAATCACCCAAAGATCGGAAGAGCGGTTCAG
chr12	133236106	133236145	POLE_10936	+	GTGACCTATGCACCAGACGTACAATGGGTAAAACACTGCAGAAATCAAGGGGCAGAGTCTAGATCGGAAGAGCGGTTCAG
chr12	133237761	133237800	POLE_10937	+	GTGACCTATGCACCAGACGTAAAAAAAGGCAAGCACAGCAGTGGCAAGGAGCGCTGGGGAAGATCGGAAGAGCGGTTCAG
chr12	133240745	133240784	POLE_10938	+	GTGACCTATGCACCAGACGTAGAGAGGAGCAAGGTCGTGAGTTCCCCTTTCCTTTTCACCAGATCGGAAGAGCGGTTCAG
chr12	133241059	133241098	POLE_10939	+	GTGACCTATGCACCAGACGTACCACAAACTGGTGGGTGGGGCTGGCATGGCTCCTCCAGGAGATCGGAAGAGCGGTTCAG
chr12	133242047	133242086	POLE_10940	+	GTGACCTATGCACCAGACGTCATGAACATGGAGCACCTCACAGATTCTTCCATTTCACATAGATCGGAAGAGCGGTTCAG
chr12	133244245	133244284	POLE_10941	+	GTGACCTATGCACCAGACGTCGGAGATGGGCAGAGCAGGTGGGTGAGATCTCCCAGAGCAAGATCGGAAGAGCGGTTCAG
chr12	133245099	133245138	POLE_10942	+	GTGACCTATGCACCAGACGTGGCAATGGGGGCAAGTTCAAAAGGAGGCACAGACACACCGAGATCGGAAGAGCGGTTCAG
chr12	133245334	133245373	POLE_10943	+	GTGACCTATGCACCAGACGTTGAGAAAGCACTTAGGGCTGGGCAGAGAGAGCTCCGACTCAGATCGGAAGAGCGGTTCAG
chr12	133245536	133245575	POLE_10944	+	GTGACCTATGCACCAGACGTAGCGAAACTCAGTAGAGGCTGGTGACCAAGCTTGCCTCGTAGATCGGAAGAGCGGTTCAG
chr12	133248919	133248958	POLE_10945	+	GTGACCTATGCACCAGACGTAGTGAGACGACGGGGTCAGAGGGGAAACACACCCACACTAAGATCGGAAGAGCGGTTCAG
chr12	133249436	133249475	POLE_10946	+	GTGACCTATGCACCAGACGTAACCAAGGCTTCCAGCCAAAAGCAACACCAAAGGCCCTGAAGATCGGAAGAGCGGTTCAG
chr12	133249874	133249913	POLE_10947	+	GTGACCTATGCACCAGACGTAACGCCAGAGAGCAGGGCCATCAAAAATCAAGAGCCCAGGAGATCGGAAGAGCGGTTCAG
chr12	133250304	133250343	POLE_10948	+	GTGACCTATGCACCAGACGTAATGAGAACAGAAGCCAGGATGATTCTAACATGCAGCCCGAGATCGGAAGAGCGGTTCAG
chr12	133252114	133252153	POLE_10949	+	GTGACCTATGCACCAGACGTAAGAGGACAGACAAGCAAGTGGGCAGGTCAGGCTCTAATGAGATCGGAAGAGCGGTTCAG
chr12	133252417	133252456	POLE_10950	+	GTGACCTATGCACCAGACGTGTCACAGCAGTCAGAGGTCTGCTCTTTCTCTTCTTCAAGCAGATCGGAAGAGCGGTTCAG
chr12	133252801	133252840	POLE_10951	+	GTGACCTATGCACCAGACGTTCATTAGCAATCAGCACAAGTCAGAGGCTGCAAAGCCAAGAGATCGGAAGAGCGGTTCAG
chr12	133253250	133253289	POLE_10952	+	GTGACCTATGCACCAGACGTAAAATAAGCATAAAGCCAAGCTCTAAACTCCCCATTAGGCAGATCGGAAGAGCGGTTCAG
chr12	133254040	133254079	POLE_10953	+	GTGACCTATGCACCAGACGTCACAGTGTGCTAACTAGAGTTCTACATCCAGGAAAGTCTAAGATCGGAAGAGCGGTTCAG
chr12	133254316	133254355	POLE_10954	+	GTGACCTATGCACCAGACGTACAAGAGAGCAACTAACTCAGCTGCCAGGGTCTGGAGGAGAGATCGGAAGAGCGGTTCAG
chr12	133256248	133256287	POLE_10955	+	GTGACCTATGCACCAGACGTAAGAGATCACGCTCATTGGTTCAAGAGAAATAGGACTTTAAGATCGGAAGAGCGGTTCAG
chr12	133256643	133256682	POLE_10956	+	GTGACCTATGCACCAGACGTTCAGAATGAAAAGGCTTTCCATTGGTAAAATACATTTCCTAGATCGGAAGAGCGGTTCAG
chr12	133256819	133256858	POLE_10957	+	GTGACCTATGCACCAGACGTTCACCAACCCATCCAGGGGTGATGAGAAAGAAGAAAGCGAAGATCGGAAGAGCGGTTCAG
chr12	133257284	133257323	POLE_10958	+	GTGACCTATGCACCAGACGTATCAGTCAACACAGACACAAGACCATCCTCTACACAGTTAAGATCGGAAGAGCGGTTCAG
chr12	133257876	133257915	POLE_10959	+	GTGACCTATGCACCAGACGTGAAGGGAACCCCGTGCTTAATTTGTAATGCCACCTGCTGCAGATCGGAAGAGCGGTTCAG
chr12	133263912	133263951	POLE_10960	+	GTGACCTATGCACCAGACGTGCTACCACCTCTGCTTCAGGGGAGAAATTTGGCGCGCTCCAGATCGGAAGAGCGGTTCAG
chr19	45883497	45883536	PPP1R13L_10961	+	GTGACCTATGCACCAGACGTACAGGATCTTCAGACATCAGGAGCTCCCACCTCCTCATCCAGATCGGAAGAGCGGTTCAG
chr19	45885995	45886034	PPP1R13L_10962	+	GTGACCTATGCACCAGACGTCCACGGAGGGGAAGGTGAGAGCCTGGCCCAGGGGGTCCAGAGATCGGAAGAGCGGTTCAG

chr19	45888997	45889036	PPP1R13L_10963	+	GTGACCTATGCACCAGACGTGGGTGGGGGGTTGCGGGAACGATGCGTGAGAGGCTGCGCAGATCGGAAGAGCGGTTCAG
chr19	45889226	45889265	PPP1R13L_10964	+	GTGACCTATGCACCAGACGTCGGGGGAGGGGGAAGACTCAGTCCCGCGGCTGGCATCTGCAGATCGGAAGAGCGGTTCAG
chr19	45895609	45895648	PPP1R13L_10965	+	GTGACCTATGCACCAGACGTCAAGAGCCCATCAGAGGACAGGTCCCCAGGAGACACCCAAAGATCGGAAGAGCGGTTCAG
chr19	45899528	45899567	PPP1R13L_10966	+	GTGACCTATGCACCAGACGTGGAATCATTAGGGTCTGTGGGGCTGCCTCTCCTCCGGGTCAGATCGGAAGAGCGGTTCAG
chr19	45899705	45899744	PPP1R13L_10967	+	GTGACCTATGCACCAGACGTGTTTCCAGGGAGGATGAGACGGGAGGGGTGGCGAGCCCCGAGATCGGAAGAGCGGTTCAG
chr19	45900327	45900366	PPP1R13L_10968	+	GTGACCTATGCACCAGACGTGCCAGGGCATTGAGGGATGGATCAAAGGAGACATTAGTGGAGATCGGAAGAGCGGTTCAG
chr19	45901416	45901455	PPP1R13L_10969	+	GTGACCTATGCACCAGACGTGGGAGTGGAGGTAAGGACCTGGCCTCCTGGCAGGGGCCGGAGATCGGAAGAGCGGTTCAG
chr19	45901587	45901626	PPP1R13L_10970	+	GTGACCTATGCACCAGACGTGGAGCGGGCGCCTGCATGGTGGGGAGGGAGGGAGCTGGCTAGATCGGAAGAGCGGTTCAG
chr19	45900070	45900109	PPP1R13L_10971	+	GTGACCTATGCACCAGACGTCGCCATCGAAGGCGCGGGGCCGGGGCGAGGTCGCGCGGTCAGATCGGAAGAGCGGTTCAG
chr8	30643834	30643873	PPP2CB_10972	+	GTGACCTATGCACCAGACGTCAAAAAAGGAAGCAAATAAAGGATCTGACTTTGCAAAGAAAGATCGGAAGAGCGGTTCAG
chr8	30648842	30648881	PPP2CB_10973	+	GTGACCTATGCACCAGACGTAAAACAAATTCATTATTTCATTATAATATTATGATTTTGAAGATCGGAAGAGCGGTTCAG
chr8	30651605	30651644	PPP2CB_10974	+	GTGACCTATGCACCAGACGTAAAATAAGTACATGTTACAAATTATTATCAGTCATACTTTAGATCGGAAGAGCGGTTCAG
chr8	30651808	30651847	PPP2CB_10975	+	GTGACCTATGCACCAGACGTATTAACAAAAGAGAATGTATTTGTTTTACTAACTCCAAACAGATCGGAAGAGCGGTTCAG
chr8	30655281	30655320	PPP2CB_10976	+	GTGACCTATGCACCAGACGTAGGAGTAAAACCCATAGTAAAATCACATTTTTACTAGTGTAGATCGGAAGAGCGGTTCAG
chr8	30657282	30657321	PPP2CB_10977	+	GTGACCTATGCACCAGACGTAGTGAAATCAACAATTACAAAGTTAAAACTATCATTTCTTAGATCGGAAGAGCGGTTCAG
chr5	145969800	145969839	PPP2R2B_10978	+	GTGACCTATGCACCAGACGTGAGAGCAAAGGCAATGACATATCTTCACTGTCTTTTCTTTAGATCGGAAGAGCGGTTCAG
chr5	145972636	145972675	PPP2R2B_10979	+	GTGACCTATGCACCAGACGTAACATATCGAGAAGGTCAGTTATTATTTTAAACAGTAATTAGATCGGAAGAGCGGTTCAG
chr5	145980034	145980073	PPP2R2B_10980	+	GTGACCTATGCACCAGACGTAAAGCAAAACAAGACAAATTTAGCAATCCTTATCAACTGAAGATCGGAAGAGCGGTTCAG
chr5	146017989	146018028	PPP2R2B_10981	+	GTGACCTATGCACCAGACGTCGAGTCAAGGAAGGAACCAGGAGAAGGAGGCAGGAACTTGAGATCGGAAGAGCGGTTCAG
chr5	146030298	146030337	PPP2R2B_10982	+	GTGACCTATGCACCAGACGTAGAGAAACAAATCACTTCAGAACCAAAGATCTTCCATAGGAGATCGGAAGAGCGGTTCAG
chr5	146070814	146070853	PPP2R2B_10983	+	GTGACCTATGCACCAGACGTCAACCAGATTAAGTCAGAATTATAGTGAAAAGCAAGCTCAAGATCGGAAGAGCGGTTCAG
chr5	146077718	146077757	PPP2R2B_10984	+	GTGACCTATGCACCAGACGTGGAAAAAAATACACAACAGATTAAATCACAGTAGCCAACTAGATCGGAAGAGCGGTTCAG
chr5	146080716	146080755	PPP2R2B_10985	+	GTGACCTATGCACCAGACGTGAAGACAAAGGCAATTTAAGTAACTGCACACTTACTTTGAAGATCGGAAGAGCGGTTCAG
chr5	146236109	146236148	PPP2R2B_10986	+	GTGACCTATGCACCAGACGTTGGGCCACTATTCTCTGTCTTGGGTTCTCCCTTGGCTCCTAGATCGGAAGAGCGGTTCAG
chr5	146257645	146257684	PPP2R2B_10987	+	GTGACCTATGCACCAGACGTCTTACTTGCGTGGGAACCAGAAGCCGGCAGACAAGTATCCAGATCGGAAGAGCGGTTCAG
chr1	45288352	45288391	PTCH2_10988	+	GTGACCTATGCACCAGACGTACACCAGCCCCAGTAAGCCCACGGGCCCCTGGGGCTCCCGAGATCGGAAGAGCGGTTCAG
chr1	45288851	45288890	PTCH2_10989	+	GTGACCTATGCACCAGACGTGGTGTGGGGGGAGTCAGCCCAGGCCTGTCCTGAGCCCTGCAGATCGGAAGAGCGGTTCAG
chr1	45289068	45289107	PTCH2_10990	+	GTGACCTATGCACCAGACGTAGAGTGGTCCTGGAGCTGCTCCTCTGCCAGTCATGGCCAGAGATCGGAAGAGCGGTTCAG
chr1	45292070	45292109	PTCH2_10991	+	GTGACCTATGCACCAGACGTCAGGGCTCACAGAGGGCTCCTGGCAGGAGGGATGACAGGCAGATCGGAAGAGCGGTTCAG
chr1	45292765	45292804	PTCH2_10992	+	GTGACCTATGCACCAGACGTAGAGAGGGCTGAAGGCCTGGGCCCAGGAGGCCTGCAGCCCAGATCGGAAGAGCGGTTCAG
chr1	45292992	45293031	PTCH2_10993	+	GTGACCTATGCACCAGACGTCCAGGATAGGGTTCTATTAGCTGGTGGCCCCAGGGCGTTTAGATCGGAAGAGCGGTTCAG
chr1	45293397	45293436	PTCH2_10994	+	GTGACCTATGCACCAGACGTTAGCAACTAAGCTGGAGACCCCAGGGCTGCCCCCAGCCCCAGATCGGAAGAGCGGTTCAG
chr1	45293874	45293913	PTCH2_10995	+	GTGACCTATGCACCAGACGTTAGAGAGTGGATGACAGGTCTGTGCCTTGAAATGCTGGTGAGATCGGAAGAGCGGTTCAG
chr1	45294097	45294136	PTCH2_10996	+	GTGACCTATGCACCAGACGTGACAGGAGGGGAATGAAGGCTGGATGAAGCTTGGCCTCAGAGATCGGAAGAGCGGTTCAG
chr1	45294314	45294353	PTCH2_10997	+	GTGACCTATGCACCAGACGTAGAGTGGGGACCTGCCCTCAGGTCACAAGGGAGGGGCCGTAGATCGGAAGAGCGGTTCAG
chr1	45294757	45294796	PTCH2_10998	+	GTGACCTATGCACCAGACGTAGAGGAGCGGGCAGCTGAGGACCCGTGAAGCCTGGTGACTAGATCGGAAGAGCGGTTCAG
chr1	45294995	45295034	PTCH2_10999	+	GTGACCTATGCACCAGACGTAAAGGGCAGTCTCAGGGGCTCCCAGGGTGGGCACTGGTTGAGATCGGAAGAGCGGTTCAG
chr1	45295216	45295255	PTCH2_11000	+	GTGACCTATGCACCAGACGTAGGGTGGATAGGAGGGGGCAGGAGGAGGGAATGGCCTCAGAGATCGGAAGAGCGGTTCAG
chr1	45295444	45295483	PTCH2_11001	+	GTGACCTATGCACCAGACGTTGTGGGAGAACCAGGGGTCAGAGCTGGCCCAAACACCTGGAGATCGGAAGAGCGGTTCAG
chr1	45295713	45295752	PTCH2_11002	+	GTGACCTATGCACCAGACGTACAGGAGGGGTTAATGCTCAAGGCCCTGGCCGTGGATAACAGATCGGAAGAGCGGTTCAG
chr1	45296726	45296765	PTCH2_11003	+	GTGACCTATGCACCAGACGTAGCCTATAGTTGGTGAGGGTCAGGGACGAAAACCCAGGCTAGATCGGAAGAGCGGTTCAG
chr1	45297480	45297519	PTCH2_11004	+	GTGACCTATGCACCAGACGTTACCCCGGGCCACGTCAGTCCTGCCCCACAACCTTTGTAGAGATCGGAAGAGCGGTTCAG
chr1	45297727	45297766	PTCH2_11005	+	GTGACCTATGCACCAGACGTCAGGGGCATAGGAGATCAGCAGAAGAAGGGGATTCCCACTAGATCGGAAGAGCGGTTCAG
chr1	45298024	45298063	PTCH2_11006	+	GTGACCTATGCACCAGACGTAAACAGAGAAAGCTGGGGGGGAAAGGGCCTAGGCGGGTCAAGATCGGAAGAGCGGTTCAG
chr1	45307722	45307761	PTCH2_11007	+	GTGACCTATGCACCAGACGTAAGAGAAGGGTCAGCCAGGCATCACTGCAACAATGCATGAAGATCGGAAGAGCGGTTCAG
chr1	45308615	45308654	PTCH2_11008	+	GTGACCTATGCACCAGACGTATGGGGGGCGCGGGCGCCCCCAACCCGCGTTATCTGGGCGAGATCGGAAGAGCGGTTCAG
chr8	141675107	141675146	PTK2_11009	+	GTGACCTATGCACCAGACGTAGAATCACAACCAATATTAGAACACACACAAAGGATTTTTAGATCGGAAGAGCGGTTCAG
chr8	141678534	141678573	PTK2_11010	+	GTGACCTATGCACCAGACGTAGAAGCCAGTCATTTTTCTGCTCTCCAGCAGATGGCGTGAAGATCGGAAGAGCGGTTCAG
chr8	141684514	141684553	PTK2_11011	+	GTGACCTATGCACCAGACGTAGAATGATTCCCATTAAGTCATGTGCGTTAAGAAAGATTAAGATCGGAAGAGCGGTTCAG
chr8	141685609	141685648	PTK2_11012	+	GTGACCTATGCACCAGACGTAGAAAAGTTCAGTCAATGCACTGGTATATACACTTGGGCAAGATCGGAAGAGCGGTTCAG
chr8	141696804	141696843	PTK2_11013	+	GTGACCTATGCACCAGACGTTAAAACAAAATCAAAACAATTTCATTTTTGATTTGAAAATAGATCGGAAGAGCGGTTCAG
chr8	141711132	141711171	PTK2_11014	+	GTGACCTATGCACCAGACGTGGTTGAAAACAGCATATTCAGTCTCATAAGTCTATTCCTAAGATCGGAAGAGCGGTTCAG
chr8	141712817	141712856	PTK2_11015	+	GTGACCTATGCACCAGACGTGTAAGGAGGCAAGGTAATGTTCAACTATAACATCTGCACAAGATCGGAAGAGCGGTTCAG
chr8	141716315	141716354	PTK2_11016	+	GTGACCTATGCACCAGACGTAAGAGAGCATCATATGAATGAACCTTTTGATTTTGACAAAAGATCGGAAGAGCGGTTCAG
chr8	141727819	141727858	PTK2_11017	+	GTGACCTATGCACCAGACGTAACACATTGTCTTAGGGGAGCTGACAACCCAGAGTTAGCAAGATCGGAAGAGCGGTTCAG
chr8	141745565	141745604	PTK2_11018	+	GTGACCTATGCACCAGACGTGGAATGAAAACACAACAGTGAGCTCAGTATGAAGAATGTAAGATCGGAAGAGCGGTTCAG
chr8	141749217	141749256	PTK2_11019	+	GTGACCTATGCACCAGACGTAATTTTAGAAAATAAATTTTCCTTGTTATCTGCTTAAGAAAGATCGGAAGAGCGGTTCAG
chr8	141753440	141753479	PTK2_11020	+	GTGACCTATGCACCAGACGTAGAATTTGAGACAATAAGACTTAAAATAAGAAAAACAAACAGATCGGAAGAGCGGTTCAG

chr8	141754877	141754916	PTK2_11021	+	GTGACCTATGCACCAGACGTAATGACCAAAAGAAAAAAAAAAAAAAAGAATTAGTGGCAAGATCGGAAGAGCGGTTCAG
chr8	141762426	141762465	PTK2_11022	+	GTGACCTATGCACCAGACGTGAAATTATAGAATCACACACACATGCAAAAAGGTTTGCTAAGATCGGAAGAGCGGTTCAG
chr8	141771372	141771411	PTK2_11023	+	GTGACCTATGCACCAGACGTTAATTCACACATCAATACTTAAGTAAAATATTCCAAATGTAGATCGGAAGAGCGGTTCAG
chr8	141774400	141774439	PTK2_11024	+	GTGACCTATGCACCAGACGTAGAAACAGATATGTTGAAAGAGGTTAAACATCTGACCTCCAGATCGGAAGAGCGGTTCAG
chr8	141799636	141799675	PTK2_11025	+	GTGACCTATGCACCAGACGTCAAGAGCAAAGCTGTAAGCCCTGCAATTTCCCCAGGACCCAGATCGGAAGAGCGGTTCAG
chr8	141803494	141803533	PTK2_11026	+	GTGACCTATGCACCAGACGTAAAGAAAAGAGATGCATAAGGCTCTTTTCACTCCTTTTGAAGATCGGAAGAGCGGTTCAG
chr8	141810686	141810725	PTK2_11027	+	GTGACCTATGCACCAGACGTAAAGATCAAGAAAACAGACTTCATTGTTCTTCCCAGTAAGAGATCGGAAGAGCGGTTCAG
chr8	141813760	141813799	PTK2_11028	+	GTGACCTATGCACCAGACGTGAAAGGTAAAATCTTTAGACTACGGATAAAAAACTCATTTAGATCGGAAGAGCGGTTCAG
chr8	141828464	141828503	PTK2_11029	+	GTGACCTATGCACCAGACGTTGAAACAAGTGAGAACAGAGGTGGCAGAAGGAAAAAAGAAAGATCGGAAGAGCGGTTCAG
chr8	141829130	141829169	PTK2_11030	+	GTGACCTATGCACCAGACGTAAATTACCAAAACATCTTGTAAAAATCAGCAATGAGTAAAAGATCGGAAGAGCGGTTCAG
chr8	141840636	141840675	PTK2_11031	+	GTGACCTATGCACCAGACGTAAAAGAAGCGTATTAACAAATAACACCACCAAATCAATTAAGATCGGAAGAGCGGTTCAG
chr8	141856432	141856471	PTK2_11032	+	GTGACCTATGCACCAGACGTGGAAGACATACATTTATATGTATATATAAGGAATGTTTGTAGATCGGAAGAGCGGTTCAG
chr8	141856788	141856827	PTK2_11033	+	GTGACCTATGCACCAGACGTAGGAATGGGAAAAACAACACTGTTTTAAAAGAAAAATATTAGATCGGAAGAGCGGTTCAG
chr8	141874509	141874548	PTK2_11034	+	GTGACCTATGCACCAGACGTTTCACAAAACAGAACAATTAGAAATCAGTCATTTTCTCAAAGATCGGAAGAGCGGTTCAG
chr8	141900847	141900886	PTK2_11035	+	GTGACCTATGCACCAGACGTGATGCTAGGTATCTGTCATATTCTGTTAAAAGAACAAAATAGATCGGAAGAGCGGTTCAG
chr9	8317953	8317992	PTPRD_11036	+	GTGACCTATGCACCAGACGTCAATGAATGGGGAGAAGCAAAAGAAGGGACCATGAGCATAAGATCGGAAGAGCGGTTCAG
chr9	8319977	8320016	PTPRD_11037	+	GTGACCTATGCACCAGACGTAACAAAGGCGATGTTACTGGGTGAGATGTTCACAGTCTTGAGATCGGAAGAGCGGTTCAG
chr9	8331747	8331786	PTPRD_11038	+	GTGACCTATGCACCAGACGTAAAGCCACATACCCGGCCGCAAAGGAAGACGCCAGGAGGAAGATCGGAAGAGCGGTTCAG
chr9	8339058	8339097	PTPRD_11039	+	GTGACCTATGCACCAGACGTAGAAGATTAATGTTAAACTATGCAAAGTATAAAGAACATTAGATCGGAAGAGCGGTTCAG
chr9	8340480	8340519	PTPRD_11040	+	GTGACCTATGCACCAGACGTGAGAATGAAAAGAATGTGTTAAAGTATTTAGAGAACATGCAGATCGGAAGAGCGGTTCAG
chr9	8341279	8341318	PTPRD_11041	+	GTGACCTATGCACCAGACGTGGAAAAAAAAAAAGGAAAAACCCAACAAAGATCATTTTCAGATCGGAAGAGCGGTTCAG
chr9	8341989	8342028	PTPRD_11042	+	GTGACCTATGCACCAGACGTAATAGAGAAGAAAAGCCCAAATAAACCTATCAGAAAATCAAGATCGGAAGAGCGGTTCAG
chr9	8376101	8376140	PTPRD_11043	+	GTGACCTATGCACCAGACGTGGAATATCAGCTGAAATTCTGTTTTCCAAGCCTCAGGTGGAGATCGGAAGAGCGGTTCAG
chr9	8376737	8376776	PTPRD_11044	+	GTGACCTATGCACCAGACGTCAAGTGACACATTCAGGGCAAATGCTCATCAATTTCTCTAAGATCGGAAGAGCGGTTCAG
chr9	8389418	8389457	PTPRD_11045	+	GTGACCTATGCACCAGACGTAGGAGTGTTATTCAACCAGGTGAGCACATCACAAGAGGAAAGATCGGAAGAGCGGTTCAG
chr9	8404671	8404710	PTPRD_11046	+	GTGACCTATGCACCAGACGTAAAACAACACATATACACAAAATCAATACTGAAAACCACCAGATCGGAAGAGCGGTTCAG
chr9	8436700	8436739	PTPRD_11047	+	GTGACCTATGCACCAGACGTAAGCAAAGAAGAAACACATTTGAAAACAAATGAAAATGATAGATCGGAAGAGCGGTTCAG
chr9	8449848	8449887	PTPRD_11048	+	GTGACCTATGCACCAGACGTAAAATAGAAATTTAAGAAGAAAAGAAAAATCAATTGAAACAGATCGGAAGAGCGGTTCAG
chr9	8460582	8460621	PTPRD_11049	+	GTGACCTATGCACCAGACGTGCAGAGTCTATTTCAGTTATAAAATAATGACTTTCTAGATAGATCGGAAGAGCGGTTCAG
chr9	8465686	8465725	PTPRD_11050	+	GTGACCTATGCACCAGACGTAAAGTGGGAAACAGAAAAAGAACTGTAAATAATAACCCAGAGATCGGAAGAGCGGTTCAG
chr9	8471096	8471135	PTPRD_11051	+	GTGACCTATGCACCAGACGTATGAATAGATAAAAGTTAGGTTAGTTGAAAGGAGGAAAACAGATCGGAAGAGCGGTTCAG
chr9	8484389	8484428	PTPRD_11052	+	GTGACCTATGCACCAGACGTAAAACCAATAAAAAAAAATCTGGTTATCAGAGAGGCAAAAGATCGGAAGAGCGGTTCAG
chr9	8485335	8485374	PTPRD_11053	+	GTGACCTATGCACCAGACGTAGGAAAAACAGTGTATTTAAACTATTCTTAAAACAGATGAAGATCGGAAGAGCGGTTCAG
chr9	8486360	8486399	PTPRD_11054	+	GTGACCTATGCACCAGACGTTGGGATGGAGTGGTAAGACCAACCAATCTGAACGTTCACAAGATCGGAAGAGCGGTTCAG
chr9	8492990	8493029	PTPRD_11055	+	GTGACCTATGCACCAGACGTAAAATAGAATGTCACTGATTCAAAACATGCTACTAATGCTAGATCGGAAGAGCGGTTCAG
chr9	8497279	8497318	PTPRD_11056	+	GTGACCTATGCACCAGACGTATAAGAAGGTTGGGAGGAAAACAAAATAAAAAGAAAAAGAAGATCGGAAGAGCGGTTCAG
chr9	8499851	8499890	PTPRD_11057	+	GTGACCTATGCACCAGACGTATCATTGGATAAAAGAAATTATAGGCACTTGTCCCACCCTAGATCGGAAGAGCGGTTCAG
chr9	8501070	8501109	PTPRD_11058	+	GTGACCTATGCACCAGACGTTAGTGAGTTAAAGGAGGATTTAAGTGAAAGGACAGGAGTGAGATCGGAAGAGCGGTTCAG
chr9	8504416	8504455	PTPRD_11059	+	GTGACCTATGCACCAGACGTTAAGAGAATGTGGTCATCTTCATTAAGGTTCATGCAAATAAGATCGGAAGAGCGGTTCAG
chr9	8507445	8507484	PTPRD_11060	+	GTGACCTATGCACCAGACGTGGAGGCAATGGATTGAACTCACAATCACCAGGAGTATTCAAGATCGGAAGAGCGGTTCAG
chr9	8518440	8518479	PTPRD_11061	+	GTGACCTATGCACCAGACGTGGAAGATAAAAGACAATGACTACCCATCATCCCTATAATAAGATCGGAAGAGCGGTTCAG
chr9	8521557	8521596	PTPRD_11062	+	GTGACCTATGCACCAGACGTACACAAGGGAAATGATAACATATACAAGGCAAGAAAAAGTAGATCGGAAGAGCGGTTCAG
chr9	8523535	8523574	PTPRD_11063	+	GTGACCTATGCACCAGACGTTAGGGGGTTTGATGCAGAACACAATGAAATGAGGAAAGGAAGATCGGAAGAGCGGTTCAG
chr9	8525046	8525085	PTPRD_11064	+	GTGACCTATGCACCAGACGTATAAAATATATTGCCAAAGAGATGATCAGAGAAGGCTTTCAGATCGGAAGAGCGGTTCAG
chr9	8526655	8526694	PTPRD_11065	+	GTGACCTATGCACCAGACGTAATATGAATGCAAATAAGATTAGAAAGAAGAAGCATTAGTAGATCGGAAGAGCGGTTCAG
chr9	8527364	8527403	PTPRD_11066	+	GTGACCTATGCACCAGACGTAAATACGGAGAGAAGAAAGACAGCATAAAAATATTATTATAGATCGGAAGAGCGGTTCAG
chr9	8528790	8528829	PTPRD_11067	+	GTGACCTATGCACCAGACGTAAAGGTGATAGAAACATTCAGTTAATAAGTCAGATGCTCCAGATCGGAAGAGCGGTTCAG
chr9	8633469	8633508	PTPRD_11068	+	GTGACCTATGCACCAGACGTAAACAATAGCTGTCACAGGTGTTGTTACAATTGTCTACCTAGATCGGAAGAGCGGTTCAG
chr9	8636855	8636894	PTPRD_11069	+	GTGACCTATGCACCAGACGTAAATAAACATCACAGTTAAATTGAAAACTGAAATACAGACAGATCGGAAGAGCGGTTCAG
chr9	8733854	8733893	PTPRD_11070	+	GTGACCTATGCACCAGACGTGGCAGCAGCGTGCGCGAGCAGCTTGGAATCACTGCCTCCGAGATCGGAAGAGCGGTTCAG
chr9	8486066	8486105	PTPRD_11071	+	GTGACCTATGCACCAGACGTTACTTCTTCTGGAATGGAAATCTCCTTCACCATCTCCTCCAGATCGGAAGAGCGGTTCAG
chr9	8518149	8518188	PTPRD_11072	+	GTGACCTATGCACCAGACGTCTCTGAGGTTTGTGTTAGCACAGGTTCGCTGGGAGGCCCCAGATCGGAAGAGCGGTTCAG
chr14	68290355	68290394	RAD51L1_11073	+	GTGACCTATGCACCAGACGTTTTAACATTTTTATTGATAAGTTTTATGCACAAGTTAACTAGATCGGAAGAGCGGTTCAG
chr14	68292305	68292344	RAD51L1_11074	+	GTGACCTATGCACCAGACGTATTTTATTATGATTTGATTATGAATGATTCCTCATCTCATAGATCGGAAGAGCGGTTCAG
chr14	68301924	68301963	RAD51L1_11075	+	GTGACCTATGCACCAGACGTAATTTTTCGTACCTTCTTCCATTGACCTATAACCTTCAGAAGATCGGAAGAGCGGTTCAG
chr14	68331867	68331906	RAD51L1_11076	+	GTGACCTATGCACCAGACGTTTATTTTCTATTATAATGTTTTACTTTTGTAACTTATATAAGATCGGAAGAGCGGTTCAG
chr14	68352716	68352755	RAD51L1_11077	+	GTGACCTATGCACCAGACGTTTAGATTTTGATTTTTTAGTAATGCGTTGAAGGTTTATGTAGATCGGAAGAGCGGTTCAG
chr14	68758708	68758747	RAD51L1_11078	+	GTGACCTATGCACCAGACGTTGTCCTGGAGAGGCTGAAACTTGACACTGACATAGAGCCCAGATCGGAAGAGCGGTTCAG

chr14	68878255	68878294	RAD51L1_11079	+	GTGACCTATGCACCAGACGTTGACAGTATTCTCTGACTATGAAGGTCGGGGAATGAGATAAGATCGGAAGAGCGGTTCAG
chr14	68934978	68935017	RAD51L1_11080	+	GTGACCTATGCACCAGACGTTGGATTAAGCCATTTCTTTAAGCTTATGCTCAGTGCTGCCAGATCGGAAGAGCGGTTCAG
chr7	151164308	151164347	RHEB_11081	+	GTGACCTATGCACCAGACGTAAAGAAACCCAATCACAGTGTTAGTGTGAAGCCGAACTCCAGATCGGAAGAGCGGTTCAG
chr7	151167749	151167788	RHEB_11082	+	GTGACCTATGCACCAGACGTAATAAAATTCTAGTTAAAGTACTTTGCTCTTCATTATATAAGATCGGAAGAGCGGTTCAG
chr7	151168538	151168577	RHEB_11083	+	GTGACCTATGCACCAGACGTGAAAAAAAAGACAAACCAGTAAGTGCCAGATTGTATTGCTAGATCGGAAGAGCGGTTCAG
chr7	151168702	151168741	RHEB_11084	+	GTGACCTATGCACCAGACGTAAAAGTATAAATTAGACATCCATTTTAATGTTGAAGTTTTAGATCGGAAGAGCGGTTCAG
chr7	151174512	151174551	RHEB_11085	+	GTGACCTATGCACCAGACGTAAAAAATTATCTTTGAGTAGTCTTCATATAGCATCACAAAAGATCGGAAGAGCGGTTCAG
chr7	151181901	151181940	RHEB_11086	+	GTGACCTATGCACCAGACGTAAAGGAAATTAAACATTAGTTTAAAAAAATTAACTCGAAAAGATCGGAAGAGCGGTTCAG
chr7	151188111	151188150	RHEB_11087	+	GTGACCTATGCACCAGACGTGAACAAGAGCTTAGTGTGTGTTGGCATATGAAGGTAAAAAAGATCGGAAGAGCGGTTCAG
chr3	49397826	49397865	RHOA_11088	+	GTGACCTATGCACCAGACGTAAAAAAAAATAGTCCTTTTAGCTAATAGTGTGGCATACATAAGATCGGAAGAGCGGTTCAG
chr3	49400070	49400109	RHOA_11089	+	GTGACCTATGCACCAGACGTAATGTAGAGAATTTGGGGATACATACAATTCTATCTTGAAAGATCGGAAGAGCGGTTCAG
chr3	49405992	49406031	RHOA_11090	+	GTGACCTATGCACCAGACGTAAAAACAACCACAAGAGTGCAAGGTTAATCCCCCCACCCAAGATCGGAAGAGCGGTTCAG
chr3	49413033	49413072	RHOA_11091	+	GTGACCTATGCACCAGACGTCAAAACACAGATATTACCTGCAATGCACAAGAAGTCATAGAGATCGGAAGAGCGGTTCAG
chr1	26863471	26863510	RPS6KA1_11092	+	GTGACCTATGCACCAGACGTTGGCCAGCACCCTGAGCGAGGGGCTGTGGGGGATCCTGTTAGATCGGAAGAGCGGTTCAG
chr1	26872537	26872576	RPS6KA1_11093	+	GTGACCTATGCACCAGACGTCCGAATGTCTGGTCCTGACCTGGCTGTGTCCCTTGCAGCAAGATCGGAAGAGCGGTTCAG
chr1	26873485	26873524	RPS6KA1_11094	+	GTGACCTATGCACCAGACGTAGCCCATAGCTGTGAAGGCAACACTCGTCATGTTAGAGGTAGATCGGAAGAGCGGTTCAG
chr1	26873772	26873811	RPS6KA1_11095	+	GTGACCTATGCACCAGACGTACACCTCCCTGTGCAGAACCCAGGCTTGGCTGAGGGAGGCAGATCGGAAGAGCGGTTCAG
chr1	26877979	26878018	RPS6KA1_11096	+	GTGACCTATGCACCAGACGTTGGCCCTGCCTGAGCTCCTACCCCACCCATCCTTCGCCCTAGATCGGAAGAGCGGTTCAG
chr1	26878225	26878264	RPS6KA1_11097	+	GTGACCTATGCACCAGACGTATCTACTGCCAGAGGGCCCCGGGATGGAGCTGAGGGACGAAGATCGGAAGAGCGGTTCAG
chr1	26879999	26880038	RPS6KA1_11098	+	GTGACCTATGCACCAGACGTCCTCCAGCCCCACCCCAGCCTCCCCAGGGGAGGCCTCTTCAGATCGGAAGAGCGGTTCAG
chr1	26880753	26880792	RPS6KA1_11099	+	GTGACCTATGCACCAGACGTGGCGCCTGCCCCCTCGGGACCCAGGGGAGGACAGGACAAGAGATCGGAAGAGCGGTTCAG
chr1	26881723	26881762	RPS6KA1_11100	+	GTGACCTATGCACCAGACGTGCCCTGCCCTGATAACAATGGACTCCTCCAAGCCCCAGCCAGATCGGAAGAGCGGTTCAG
chr1	26882127	26882166	RPS6KA1_11101	+	GTGACCTATGCACCAGACGTCCAGCTCAGGGGAGGGGATGTGGCGATGGGGAGCCGGGTAAGATCGGAAGAGCGGTTCAG
chr1	26883220	26883259	RPS6KA1_11102	+	GTGACCTATGCACCAGACGTCCACCCACACCAGGGCTCTGGCCAGGGCTCAGCCATCTTGAGATCGGAAGAGCGGTTCAG
chr1	26883602	26883641	RPS6KA1_11103	+	GTGACCTATGCACCAGACGTTATCTGTTTTGTCTGTCTTGGGCTGGTACAGGAGGGAAGCAGATCGGAAGAGCGGTTCAG
chr1	26885439	26885478	RPS6KA1_11104	+	GTGACCTATGCACCAGACGTCAGGGGGCTGCTGCTCCATTATCCTTTTCTAAAGAATGGCAGATCGGAAGAGCGGTTCAG
chr1	26887353	26887392	RPS6KA1_11105	+	GTGACCTATGCACCAGACGTTGACCACGTCTCGGCCAAGGCTGCTGGGTTGGGGGCAGGTAGATCGGAAGAGCGGTTCAG
chr1	26887636	26887675	RPS6KA1_11106	+	GTGACCTATGCACCAGACGTGTCCTTAAGACTGGGGTGGGGACCAGGAACTCAACTCTCAAGATCGGAAGAGCGGTTCAG
chr1	26888165	26888204	RPS6KA1_11107	+	GTGACCTATGCACCAGACGTATTCGGGGAGGCAGTAGGGGGATGCCAAGGGTCATATCATAGATCGGAAGAGCGGTTCAG
chr1	26898112	26898151	RPS6KA1_11108	+	GTGACCTATGCACCAGACGTCAGCCTCCTCAGCTGTAAGAGTGAGGGGGAATTGGAGGCCAGATCGGAAGAGCGGTTCAG
chr1	26898427	26898466	RPS6KA1_11109	+	GTGACCTATGCACCAGACGTCTGGCCTGGACCCTTCCCCACTCCTGCAGCCCTAGCACTTAGATCGGAAGAGCGGTTCAG
chr1	26898795	26898834	RPS6KA1_11110	+	GTGACCTATGCACCAGACGTACGGCCTGCGTGGGCTTATTTGGAGGAGGGAGGCAGGGTCAGATCGGAAGAGCGGTTCAG
chr1	26899863	26899902	RPS6KA1_11111	+	GTGACCTATGCACCAGACGTCCTTGGGCTGCTGGGCATCTGGGGGGTCAGCCCAAGGTGGAGATCGGAAGAGCGGTTCAG
chr1	26900703	26900742	RPS6KA1_11112	+	GTGACCTATGCACCAGACGTCATTCGGGCCACAGGGCGGTGCTAGCTTGACACAGTCAGCAGATCGGAAGAGCGGTTCAG
chr17	57987983	57988022	RPS6KB1_11113	+	GTGACCTATGCACCAGACGTATGAAGAGATTTTCATTGTGTTGTCTTTCTTACAAGTAGGAGATCGGAAGAGCGGTTCAG
chr17	57990176	57990215	RPS6KB1_11114	+	GTGACCTATGCACCAGACGTTTTTTGAAATGAGAGCTGTTGTCTGTCTTGAATAGATTGAAGATCGGAAGAGCGGTTCAG
chr17	58003954	58003993	RPS6KB1_11115	+	GTGACCTATGCACCAGACGTAGAGTTTGGTGTAATTATTTGCATTTGCTCCAGAAACTGGAGATCGGAAGAGCGGTTCAG
chr17	58007546	58007585	RPS6KB1_11116	+	GTGACCTATGCACCAGACGTTTTTTGTGGTTGCATAGATTCAGGTAATTACAAGCAAAGCAGATCGGAAGAGCGGTTCAG
chr17	58009094	58009133	RPS6KB1_11117	+	GTGACCTATGCACCAGACGTACCGTAAACAATTCTATAGTAAATAATCATCTTAAAATCCAGATCGGAAGAGCGGTTCAG
chr17	58011632	58011671	RPS6KB1_11118	+	GTGACCTATGCACCAGACGTTGTTAAACATAATTGGTTTGGGGGTAATAGCTAATTTTACAGATCGGAAGAGCGGTTCAG
chr17	58011896	58011935	RPS6KB1_11119	+	GTGACCTATGCACCAGACGTAGTTAAAAGCTGCATGTATTATTGGTCTGTGCTGAGTCACAGATCGGAAGAGCGGTTCAG
chr17	58012672	58012711	RPS6KB1_11120	+	GTGACCTATGCACCAGACGTTAAATGGTCACTGACACTACAAGATTCAATGACTAGGATTAGATCGGAAGAGCGGTTCAG
chr17	58013649	58013688	RPS6KB1_11121	+	GTGACCTATGCACCAGACGTGCATCTTTGGTGTTTTGTGGGGAAGATAATGCTAGTTTTAAGATCGGAAGAGCGGTTCAG
chr17	58018315	58018354	RPS6KB1_11122	+	GTGACCTATGCACCAGACGTGAATTTCCATGTAGTCATGGGAAATTTTAGTGTGAGGATGAGATCGGAAGAGCGGTTCAG
chr17	58022890	58022929	RPS6KB1_11123	+	GTGACCTATGCACCAGACGTCTCTTATTTTCACTTTTTTTTGTTTTTAAACAACCTACAAAGATCGGAAGAGCGGTTCAG
chr17	58024160	58024199	RPS6KB1_11124	+	GTGACCTATGCACCAGACGTCTTTTAATGAATTTAAGGCAAAAAAGGTGGAGAGGGAGATAGATCGGAAGAGCGGTTCAG
chr8	92972756	92972795	RUNX1T1_11125	+	GTGACCTATGCACCAGACGTAGGCAGAAGAAAGCAAGATCCCAAGTTAATACACTGTTAAAGATCGGAAGAGCGGTTCAG
chr8	92983087	92983126	RUNX1T1_11126	+	GTGACCTATGCACCAGACGTGTCAGGCCAAACCAGACAAGAAAACACCTCTCAGTTAGCCAGATCGGAAGAGCGGTTCAG
chr8	92988212	92988251	RUNX1T1_11127	+	GTGACCTATGCACCAGACGTGATGGGAAGGGGGTGGAGAGAGGAGGAGAGTACTGTAAGCAGATCGGAAGAGCGGTTCAG
chr8	92998564	92998603	RUNX1T1_11128	+	GTGACCTATGCACCAGACGTAAGGGGAGAATAGGGAAGAGCATATAAATCATCACAATTAAGATCGGAAGAGCGGTTCAG
chr8	92999211	92999250	RUNX1T1_11129	+	GTGACCTATGCACCAGACGTAGAGAAGGCTGAATAACCCTAAAGCATTCAGTACACAACCAGATCGGAAGAGCGGTTCAG
chr8	93004128	93004167	RUNX1T1_11130	+	GTGACCTATGCACCAGACGTAAAAAACAAGAGTTTGTTTCATCATCTATTCAGAAACCAGAGATCGGAAGAGCGGTTCAG
chr8	93017536	93017575	RUNX1T1_11131	+	GTGACCTATGCACCAGACGTATGACAGGAATGAGAGGACGGACTGAAAGTTTTCTTCTGTAGATCGGAAGAGCGGTTCAG
chr8	93023330	93023369	RUNX1T1_11132	+	GTGACCTATGCACCAGACGTAAATATGTAGTATAAATACATTAGCCTGTTGGTAAATAGTAGATCGGAAGAGCGGTTCAG
chr8	93027059	93027098	RUNX1T1_11133	+	GTGACCTATGCACCAGACGTCACAAAATCAGAAGGAAGTCATAAACTTACAGAGAACATGAGATCGGAAGAGCGGTTCAG
chr8	93029579	93029618	RUNX1T1_11134	+	GTGACCTATGCACCAGACGTTTCTCAGTACGATCTGGAGGATGCCACCAGGAACATATTAAGATCGGAAGAGCGGTTCAG
chr8	93029602	93029641	RUNX1T1_11135	+	GTGACCTATGCACCAGACGTCCACCAGGAACATATTATTTTACTCCTTAAGCACCTCAGTAGATCGGAAGAGCGGTTCAG
chr8	93074791	93074830	RUNX1T1_11136	+	GTGACCTATGCACCAGACGTAGCGTACCACACAGAAAGTGGCTGTCTCCTAAAAGCAAGCAGATCGGAAGAGCGGTTCAG

chr8	93088291	93088330	RUNX1T1_11137	+	GTGACCTATGCACCAGACGTTCGCTCTGCTAATTTCCTCTCTCCTTTTCTGACTGGGACAAGATCGGAAGAGCGGTTCAG
chr1	161284226	161284265	SDHC_11138	+	GTGACCTATGCACCAGACGTTGGGACTGGGAGTTGGTGCCTGCGGCCCTCCGGAGATCTGAGATCGGAAGAGCGGTTCAG
chr1	161298298	161298337	SDHC_11139	+	GTGACCTATGCACCAGACGTATTCTGGAGCCAGAGAATCTAGAGGTAGTGGGTGAAAGTTAGATCGGAAGAGCGGTTCAG
chr1	161310456	161310495	SDHC_11140	+	GTGACCTATGCACCAGACGTGTGTTTTTACACACACATATGTGCTTCTTTGAAAAACTTGAGATCGGAAGAGCGGTTCAG
chr1	161326641	161326680	SDHC_11141	+	GTGACCTATGCACCAGACGTTCGGGATTTGCACATTTTCTCTGTGAAGGGAGTGGGGAGAAGATCGGAAGAGCGGTTCAG
chr1	161332234	161332273	SDHC_11142	+	GTGACCTATGCACCAGACGTCTCCCAGCATCATCTTCCTACACATTATTACATTCACCCAAGATCGGAAGAGCGGTTCAG
chr1	161332341	161332380	SDHC_11143	+	GTGACCTATGCACCAGACGTATTTTCAGATCTCCTTGGAGCAGTAGAGTACCTGGTAGACAGATCGGAAGAGCGGTTCAG
chr11	111957694	111957733	SDHD_11144	+	GTGACCTATGCACCAGACGTTTCCCACCCTGAGGTGCTTAGCGTAGCCTCCAGCCAGGGAAGATCGGAAGAGCGGTTCAG
chr11	111958708	111958747	SDHD_11145	+	GTGACCTATGCACCAGACGTTCCATCGCTGCTGCTTTCTGGGCTCTAGCCATCTTTACCTAGATCGGAAGAGCGGTTCAG
chr11	111959746	111959785	SDHD_11146	+	GTGACCTATGCACCAGACGTCAATTCCAAATATAGTTGTCTGCTCAGTTTGTTTGCTGTGAGATCGGAAGAGCGGTTCAG
chr11	111965705	111965744	SDHD_11147	+	GTGACCTATGCACCAGACGTTTCATACTTTGAAGAATTGATGTATGCCTCTTTGCCTCTGAGATCGGAAGAGCGGTTCAG
chr10	88718586	88718625	SNCG_11148	+	GTGACCTATGCACCAGACGTCATGGCAGGGTGGGACAGTGTGGTGGCCAAAGGGTGAGTGAGATCGGAAGAGCGGTTCAG
chr10	88719442	88719481	SNCG_11149	+	GTGACCTATGCACCAGACGTCCAGGGCCAGGGGACACATGGGGGATAGGACCCCTGGGGCAGATCGGAAGAGCGGTTCAG
chr10	88719896	88719935	SNCG_11150	+	GTGACCTATGCACCAGACGTGCCCTCAGACCTGCCCAGTCCTCTCCTGGGCCCAGAAAGGAGATCGGAAGAGCGGTTCAG
chr10	88722443	88722482	SNCG_11151	+	GTGACCTATGCACCAGACGTGGCTCCTGGGGTGCACCATGGGGGGTTCCTTGGTAGGGACAGATCGGAAGAGCGGTTCAG
chr10	88722753	88722792	SNCG_11152	+	GTGACCTATGCACCAGACGTGCCAGCGTGGATGACCTGAAGAGCGCTCCTCTGCCTTGGAAGATCGGAAGAGCGGTTCAG
chr12	93966823	93966862	SOCS2_11153	+	GTGACCTATGCACCAGACGTGATCGGCCGCGACGCGTGCGGGAGGGAGCGCCTCCCCAAGAGATCGGAAGAGCGGTTCAG
chr12	93968966	93969005	SOCS2_11154	+	GTGACCTATGCACCAGACGTTTTTTTAAACATGTCTCACATAGAGTATCTCCGAATGCAGAGATCGGAAGAGCGGTTCAG
chr1	16174656	16174695	SPEN_11155	+	GTGACCTATGCACCAGACGTCGAGGCCCGCGGCCGCGCTCGCTCCTCGGGCGCCGCTTCCAGATCGGAAGAGCGGTTCAG
chr1	16199642	16199681	SPEN_11156	+	GTGACCTATGCACCAGACGTAGGTTTCTGTAGGCAGGTATTTTGTATTTGATATGGTGAGAGATCGGAAGAGCGGTTCAG
chr1	16203184	16203223	SPEN_11157	+	GTGACCTATGCACCAGACGTAGCCTTTTGTTATAACAGATGAGCTAGCTTTAAACAAATTAGATCGGAAGAGCGGTTCAG
chr1	16235987	16236026	SPEN_11158	+	GTGACCTATGCACCAGACGTGTGTGAATGTCCTTTCCTCTGTGCTACTACTGAGGAATGAAGATCGGAAGAGCGGTTCAG
chr1	16237807	16237846	SPEN_11159	+	GTGACCTATGCACCAGACGTAGCAAGCTGAGTTTGAGTTACTCATCACACACACTGTTTGAGATCGGAAGAGCGGTTCAG
chr1	16242785	16242824	SPEN_11160	+	GTGACCTATGCACCAGACGTTTTACTATGTAAACAATTTTAGGTCTTTGTCATAACACATAGATCGGAAGAGCGGTTCAG
chr1	16245557	16245596	SPEN_11161	+	GTGACCTATGCACCAGACGTTTGCATAAATTATTGTGCTGTTATGATTTGCTTTGTTTTTAGATCGGAAGAGCGGTTCAG
chr1	16246023	16246062	SPEN_11162	+	GTGACCTATGCACCAGACGTGGTTTTGGTATGTGGTTCAGACTTCTGACTCACTCGTCTTAGATCGGAAGAGCGGTTCAG
chr1	16247489	16247528	SPEN_11163	+	GTGACCTATGCACCAGACGTTGACTTTAAACAGAAGCAAAACAAAGTCCTATTCAAATCTAGATCGGAAGAGCGGTTCAG
chr1	16248855	16248894	SPEN_11164	+	GTGACCTATGCACCAGACGTTAAACTTACCAGTGTAGCTTGAGTTTTAATAGTTTTAATAAGATCGGAAGAGCGGTTCAG
chr1	16262772	16262811	SPEN_11165	+	GTGACCTATGCACCAGACGTCAGGTATCTCCCCACTGTCTGTTGGGCATGTGCTTGTGGGAGATCGGAAGAGCGGTTCAG
chr1	16264151	16264190	SPEN_11166	+	GTGACCTATGCACCAGACGTGCAGGGGCTGCCCTTCCTGGCCCCCAAGTTTTATGCCATGAGATCGGAAGAGCGGTTCAG
chr1	16264512	16264551	SPEN_11167	+	GTGACCTATGCACCAGACGTCAGGCCCAGGTGAGCAACTGCCCCACCTACAGGGAGGAAGAGATCGGAAGAGCGGTTCAG
chr1	16265382	16265421	SPEN_11168	+	GTGACCTATGCACCAGACGTCTGTGTCCTTCCTTCACATGTACACCCACAGGTGGGGCTGAGATCGGAAGAGCGGTTCAG
chr1	16265933	16265972	SPEN_11169	+	GTGACCTATGCACCAGACGTGGTTATCACCTCAGTGAATCTTCCCAGGGCTCTGCAGTAAAGATCGGAAGAGCGGTTCAG
chr1	16255077	16255116	SPEN_11170	+	GTGACCTATGCACCAGACGTGTTTGGAGCGCTATACAAAAAATGAAAAGACAGATAAAGAAGATCGGAAGAGCGGTTCAG
chr1	16255558	16255597	SPEN_11171	+	GTGACCTATGCACCAGACGTGGAAAAGGGGCTTTCAAGCCATGTTGAAGTGGTGGAGAAGAGATCGGAAGAGCGGTTCAG
chr1	16256039	16256078	SPEN_11172	+	GTGACCTATGCACCAGACGTCAATCAAAAAAGCCCATTCCCTCAAAACCACAGCTCAAACAGATCGGAAGAGCGGTTCAG
chr1	16256520	16256559	SPEN_11173	+	GTGACCTATGCACCAGACGTCCAGTGTCCGACATGGTTCCTTCCATGAAGATGAGGATCCAGATCGGAAGAGCGGTTCAG
chr1	16257001	16257040	SPEN_11174	+	GTGACCTATGCACCAGACGTCTCTAGTTCTTTAGAAAGGAACAAATTTTACTCTTTTGCAAGATCGGAAGAGCGGTTCAG
chr1	16257482	16257521	SPEN_11175	+	GTGACCTATGCACCAGACGTTTCCATAGCAGATTTATGGAGCTCACACGGATGCAACAGAAGATCGGAAGAGCGGTTCAG
chr1	16257963	16258002	SPEN_11176	+	GTGACCTATGCACCAGACGTCCCAGGCAGAGAGCAACGTAGATCCAGAGCCTGACAGTACAGATCGGAAGAGCGGTTCAG
chr1	16258444	16258483	SPEN_11177	+	GTGACCTATGCACCAGACGTTGTAAGGAGCGTCTATGCAACCATGGGTGACCATGAAAACAGATCGGAAGAGCGGTTCAG
chr1	16258925	16258964	SPEN_11178	+	GTGACCTATGCACCAGACGTGAGAAAAAACCGGCCCCTGAAAAAAACTCCAAATCAAAGAAGATCGGAAGAGCGGTTCAG
chr1	16259406	16259445	SPEN_11179	+	GTGACCTATGCACCAGACGTATGACATTTCTGGGGAGCCAGAAAACTTCCCAGCACCTCCAGATCGGAAGAGCGGTTCAG
chr1	16259887	16259926	SPEN_11180	+	GTGACCTATGCACCAGACGTAAAGCAGAGTGAGAAACCCCATTCCACTCCTCCTCAGTCAAGATCGGAAGAGCGGTTCAG
chr1	16260368	16260407	SPEN_11181	+	GTGACCTATGCACCAGACGTTCTGCCACAAGTGTCACTTCCACAAGTGTCACCACAGCCAAGATCGGAAGAGCGGTTCAG
chr1	16260849	16260888	SPEN_11182	+	GTGACCTATGCACCAGACGTATGTTCTCACCACTCCAGTGAACGCCACGGTGGGCACAGTAGATCGGAAGAGCGGTTCAG
chr1	16261330	16261369	SPEN_11183	+	GTGACCTATGCACCAGACGTGCCTCCATCCAAAGGCCCTCAAGCTCCTGCAGGCTATGCGAGATCGGAAGAGCGGTTCAG
chr1	16261811	16261850	SPEN_11184	+	GTGACCTATGCACCAGACGTCCTCGACCAAGTGGACCCGGGCCATCCTCATTCCCAAGGGAGATCGGAAGAGCGGTTCAG
chr1	16262292	16262331	SPEN_11185	+	GTGACCTATGCACCAGACGTTGCACCCCTATACTGTGCCACGGGATGTGAGGATCATGGTAGATCGGAAGAGCGGTTCAG
chrX	48888123	48888162	TFE3_11186	+	GTGACCTATGCACCAGACGTTAGGGGTTGGGTGCAGGATAAGTAGGGTTCAGAGTCCCTCAGATCGGAAGAGCGGTTCAG
chrX	48889070	48889109	TFE3_11187	+	GTGACCTATGCACCAGACGTCAAGTGGGAGGCAAGCAGGAAATGCCACATGAGGAGTTTCAGATCGGAAGAGCGGTTCAG
chrX	48891066	48891105	TFE3_11188	+	GTGACCTATGCACCAGACGTGGGAGGAGAGGAAGAAAGAGTGGGAGAAAGAGTTGTCAATAGATCGGAAGAGCGGTTCAG
chrX	48891308	48891347	TFE3_11189	+	GTGACCTATGCACCAGACGTGTGGAGTGATCAGGGCCTCTGAGCACAGGAAGGCAAGAAAAGATCGGAAGAGCGGTTCAG
chrX	48891777	48891816	TFE3_11190	+	GTGACCTATGCACCAGACGTAGAGGGCAGAGAACCACCAGTTGGGAACAAACCCAGGCTTAGATCGGAAGAGCGGTTCAG
chrX	48895650	48895689	TFE3_11191	+	GTGACCTATGCACCAGACGTAAGTAAATATTATACAGGTTTAGAAGAATTTGGGAGGGGAAGATCGGAAGAGCGGTTCAG
chrX	48895978	48896017	TFE3_11192	+	GTGACCTATGCACCAGACGTAGGTAGACAAGGAAAGAGAGGGGACAAGGCAGAACAGGACAGATCGGAAGAGCGGTTCAG
chrX	48896946	48896985	TFE3_11193	+	GTGACCTATGCACCAGACGTGGAAATATGGGGCCATATTTTAGGTAAGCTAAAAGTCTCAAGATCGGAAGAGCGGTTCAG
chrX	48898106	48898145	TFE3_11194	+	GTGACCTATGCACCAGACGTGGTGGAGTGGTGGTCAGTGATTGAATGAAGGACCTTATTCAGATCGGAAGAGCGGTTCAG

chrX	48900763	48900802	TFE3_11195	+	GTGACCTATGCACCAGACGTCCCGGGCGAGCCCTGCCAGGCCGGTCGGCCTCGGCCCGGAGATCGGAAGAGCGGTTCAG
chr9	101891393	101891432	TGFBR1_11196	+	GTGACCTATGCACCAGACGTTAAAATTTTTTTCCTAGATACTACAAGAAAAACTCTTCATAGATCGGAAGAGCGGTTCAG
chr9	101895032	101895071	TGFBR1_11197	+	GTGACCTATGCACCAGACGTTGTTTCTCCTTTTTCCTAAGACATCTTTTTAAAATTAAGCAGATCGGAAGAGCGGTTCAG
chr9	101900382	101900421	TGFBR1_11198	+	GTGACCTATGCACCAGACGTTTTGCTTTTCCTTATGTTATATATAACAAGATCTCTTTAAAGATCGGAAGAGCGGTTCAG
chr9	101904996	101905035	TGFBR1_11199	+	GTGACCTATGCACCAGACGTAAGCAGTTCTATTATTTAAGCTTTAAATTTTCATGAATAAAGATCGGAAGAGCGGTTCAG
chr9	101907181	101907220	TGFBR1_11200	+	GTGACCTATGCACCAGACGTGAACAACTATATTTAATATCTTCTGAAATCACCTTTTTTCAGATCGGAAGAGCGGTTCAG
chr9	101908902	101908941	TGFBR1_11201	+	GTGACCTATGCACCAGACGTCTCCTCTCCCCCAGTAGTTTGTCATGAGCAGAAGTTGTTCAGATCGGAAGAGCGGTTCAG
chr9	101910077	101910116	TGFBR1_11202	+	GTGACCTATGCACCAGACGTCTTTTTGATATTAGGCAATTTTCTAAACTGCTTCTGCTTAAGATCGGAAGAGCGGTTCAG
chr9	101911598	101911637	TGFBR1_11203	+	GTGACCTATGCACCAGACGTTTGCCTGAACTCTCCTTTTTTCTTCAGATCTGCTCCTGGGAGATCGGAAGAGCGGTTCAG
chr10	102896681	102896720	TLX1_11204	+	GTGACCTATGCACCAGACGTTCTGCCCTGTGGGACCCCAGGCCCACTCAGGGGTCACTGAAGATCGGAAGAGCGGTTCAG
chr10	102891593	102891632	TLX1_11205	+	GTGACCTATGCACCAGACGTGGCTCCTACAACGTGAACATGGCCTTGGCAGGCGGCCCCGAGATCGGAAGAGCGGTTCAG
chr3	195591069	195591108	TNK2_11206	+	GTGACCTATGCACCAGACGTGGAAACCACCAGCACAGTTAAACAGTTTACAGAAGGTTCAAGATCGGAAGAGCGGTTCAG
chr3	195593898	195593937	TNK2_11207	+	GTGACCTATGCACCAGACGTGGGTGGCGCCATGGACACGCGGGCCCAGGGCACCGACTAGAGATCGGAAGAGCGGTTCAG
chr3	195594140	195594179	TNK2_11208	+	GTGACCTATGCACCAGACGTGCACACCCACCCCTGTCAGCACCACTAGGGCCCACTGCTCAGATCGGAAGAGCGGTTCAG
chr3	195595591	195595630	TNK2_11209	+	GTGACCTATGCACCAGACGTAAGGGAGAGCCCAACAGGAAGGCAGTCAGGCAGGGTCTGGAGATCGGAAGAGCGGTTCAG
chr3	195596423	195596462	TNK2_11210	+	GTGACCTATGCACCAGACGTGGCCATGCGGACAGGGGGAGAGAGACGGAGCAGGACAGAGAGATCGGAAGAGCGGTTCAG
chr3	195597087	195597126	TNK2_11211	+	GTGACCTATGCACCAGACGTGAGAGCTGGGTCAAGAGAGCAGGGGAAGCGTGTGGAGGGGAGATCGGAAGAGCGGTTCAG
chr3	195599352	195599391	TNK2_11212	+	GTGACCTATGCACCAGACGTGAGATGGCACGGTGAACGCCAGGCGTGGCGGGGCAGCCCCAGATCGGAAGAGCGGTTCAG
chr3	195605229	195605268	TNK2_11213	+	GTGACCTATGCACCAGACGTAGGAAGGTCGTGGCCAACTCTGGGACTGACGCCTGGGTAGAGATCGGAAGAGCGGTTCAG
chr3	195605474	195605513	TNK2_11214	+	GTGACCTATGCACCAGACGTGGAGGTGCAGAGTTTGACGACAAACAGAGCGCCCAGCCCTAGATCGGAAGAGCGGTTCAG
chr3	195606057	195606096	TNK2_11215	+	GTGACCTATGCACCAGACGTCAGGGGTCAAAGAGAAGCCCTCTCAAACACCCTACCTGCGAGATCGGAAGAGCGGTTCAG
chr3	195609210	195609249	TNK2_11216	+	GTGACCTATGCACCAGACGTGGAGGAGGCAGGAGGAATGAGCTGGAGGACCCTGCCCCTTAGATCGGAAGAGCGGTTCAG
chr3	195610191	195610230	TNK2_11217	+	GTGACCTATGCACCAGACGTCGGGATTTGCAAGGACTCAGGACTTGCCAGGTCCCAGACAAGATCGGAAGAGCGGTTCAG
chr3	195611915	195611954	TNK2_11218	+	GTGACCTATGCACCAGACGTGCAGCCGGGGGCCAGATGGAATCCAACACCCCAGGGTCAGAGATCGGAAGAGCGGTTCAG
chr3	195613929	195613968	TNK2_11219	+	GTGACCTATGCACCAGACGTAGCGGGGAACCGCGTGCTGTGAAGGCCGCCGTAGCCCGAGAGATCGGAAGAGCGGTTCAG
chr3	195615470	195615509	TNK2_11220	+	GTGACCTATGCACCAGACGTCCCAGCCTCTGTGGGGGGAGGAGTGGCTCAGGGACAAGGGAGATCGGAAGAGCGGTTCAG
chr3	195615488	195615527	TNK2_11221	+	GTGACCTATGCACCAGACGTAGGAGTGGCTCAGGGACAAGGGTTGTGGGGGGACAACAGGAGATCGGAAGAGCGGTTCAG
chr3	195622298	195622337	TNK2_11222	+	GTGACCTATGCACCAGACGTTGCAGGGCCGCTACTGCGTCTCAGCCCCCATAGCCTCATCAGATCGGAAGAGCGGTTCAG
chr3	195594691	195594730	TNK2_11223	+	GTGACCTATGCACCAGACGTAGGTGAGCTTGAGAGCCGGGGTGGCAGCGGGGAGCTGCCAAGATCGGAAGAGCGGTTCAG
chr3	195595140	195595179	TNK2_11224	+	GTGACCTATGCACCAGACGTCGGCAGGGACCCCCGCGCCCACGAGGGTGCTGTTGATGGAAGATCGGAAGAGCGGTTCAG
chr19	54072650	54072689	ZNF331_11225	+	GTGACCTATGCACCAGACGTATTTCTCTTTCCTTCTTGAGCTATGATATTTGCGTTCTGTAGATCGGAAGAGCGGTTCAG
chr19	54074995	54075034	ZNF331_11226	+	GTGACCTATGCACCAGACGTCGCCTCAGATAACTTAGACTGCCTCCTGGAATATCCGCTCAGATCGGAAGAGCGGTTCAG
chr19	54080379	54080418	ZNF331_11227	+	GTGACCTATGCACCAGACGTTGTAAAGACTGTGGGAAGGCTTTTCGATGGGGCTCAAGCCAGATCGGAAGAGCGGTTCAG
chr19	54080797	54080836	ZNF331_11228	+	GTGACCTATGCACCAGACGTAATGTAAGGAGTGTGGGAAGGCCTTTCGCTGGGGTTCGAGAGATCGGAAGAGCGGTTCAG
chr11	10327356	10327395	ADM_11229	+	GTGACCTATGCACCAGACGTGCAGCGCCTTCCCCCTTGCTGGTACCTGGCAGGCAAGGGGAGATCGGAAGAGCGGTTCAG
chr11	10327656	10327695	ADM_11230	+	GTGACCTATGCACCAGACGTCCTGTGCTGTCCAGGGACGGGAGGGAAGGAAGGTGTGCGGAGATCGGAAGAGCGGTTCAG
chr11	10328199	10328238	ADM_11231	+	GTGACCTATGCACCAGACGTCCCATGGTACAAGGAATAGTCGCGCAAGCATCCCGCTGGTAGATCGGAAGAGCGGTTCAG
chr14	20923873	20923912	APEX1_11232	+	GTGACCTATGCACCAGACGTGAAATCAGCCCTTCTTCCTAGAAGCTGCGGCGGGGGTGTTAGATCGGAAGAGCGGTTCAG
chr14	20924271	20924310	APEX1_11233	+	GTGACCTATGCACCAGACGTTTTGAGGGAAAGAGACATTTTTTAGTATTGAATGGTCTTAAGATCGGAAGAGCGGTTCAG
chr14	20925030	20925069	APEX1_11234	+	GTGACCTATGCACCAGACGTATTGATGCCTAATGCCTGAACTCTTCAAAACCAATTGCTAAGATCGGAAGAGCGGTTCAG
chr14	20925678	20925717	APEX1_11235	+	GTGACCTATGCACCAGACGTAAATCACTTTGAGCCTGGGAAATAAGCCCCCTCAACTACCAGATCGGAAGAGCGGTTCAG
chr14	20925419	20925458	APEX1_11236	+	GTGACCTATGCACCAGACGTCGCCAAGGCTTCGGGGAATTACTGCAGGCTGTGCCACTGGAGATCGGAAGAGCGGTTCAG
chr19	41725393	41725432	AXL_11237	+	GTGACCTATGCACCAGACGTGGGGCTCCTTGGGGCAGGGATCCCCTCGGAGGGGCTGGGGAGATCGGAAGAGCGGTTCAG
chr19	41726774	41726813	AXL_11238	+	GTGACCTATGCACCAGACGTACATCCCCGAATCCCACTCCCACCTCCGTCACACAGAGGGAGATCGGAAGAGCGGTTCAG
chr19	41727162	41727201	AXL_11239	+	GTGACCTATGCACCAGACGTGGGTCAGGGGTCCTGAGGGGTCAGAGGACATGTGGCGCTCAGATCGGAAGAGCGGTTCAG
chr19	41727972	41728011	AXL_11240	+	GTGACCTATGCACCAGACGTGGATGTGGGTCAGCTCCGAATAGGGGGCCGGGCAGGGCTGAGATCGGAAGAGCGGTTCAG
chr19	41736963	41737002	AXL_11241	+	GTGACCTATGCACCAGACGTTGGGAGGTGGGGAGCTGGGCGTCAGAGGGTGGGGTTTGGGAGATCGGAAGAGCGGTTCAG
chr19	41737214	41737253	AXL_11242	+	GTGACCTATGCACCAGACGTCAAACTTGGTTCATTTCAGTCTCAGGCCTCCTTCCACCCAAGATCGGAAGAGCGGTTCAG
chr19	41744070	41744109	AXL_11243	+	GTGACCTATGCACCAGACGTTTGGGGAGGGACACGTCACCACTGCCCCACCGGACCTTGCAGATCGGAAGAGCGGTTCAG
chr19	41744525	41744564	AXL_11244	+	GTGACCTATGCACCAGACGTCTGGTGGGATTGGAGTGGAGTGGCTTGGGGAGGAGGGAGGAGATCGGAAGAGCGGTTCAG
chr19	41745230	41745269	AXL_11245	+	GTGACCTATGCACCAGACGTAGCCATGCCCAACCTGCTTCAACCCTGTCTCTCCCTGACAAGATCGGAAGAGCGGTTCAG
chr19	41745636	41745675	AXL_11246	+	GTGACCTATGCACCAGACGTCCACACCCCATCTCCTCCTTCCCTACCCTCAACACCTAGTAGATCGGAAGAGCGGTTCAG
chr19	41748931	41748970	AXL_11247	+	GTGACCTATGCACCAGACGTACCACATGGGGAGGCTGTGTGGCCTGGGATGGAGAGGCTGAGATCGGAAGAGCGGTTCAG
chr19	41749623	41749662	AXL_11248	+	GTGACCTATGCACCAGACGTCCTATGCCCCACTGCCCTGGCCTGGATCTAAAGGCTGTAGAGATCGGAAGAGCGGTTCAG
chr19	41754525	41754564	AXL_11249	+	GTGACCTATGCACCAGACGTCGGCAGCATACACACATCCTTCTGAACTTCTGAGATCCTGAGATCGGAAGAGCGGTTCAG
chr19	41754736	41754775	AXL_11250	+	GTGACCTATGCACCAGACGTTGCACATGTGTAGGACCCCCAGCTCCTTCCCTATGCCCCTAGATCGGAAGAGCGGTTCAG
chr19	41758359	41758398	AXL_11251	+	GTGACCTATGCACCAGACGTGGCAGATTCAAGGGGTCTACAAGCCCCATGGGGGCCATAGAGATCGGAAGAGCGGTTCAG
chr19	41759624	41759663	AXL_11252	+	GTGACCTATGCACCAGACGTTTCAGGGACCCCCCCCCCCCAACTGCTCCTGCACTCCCTGAGATCGGAAGAGCGGTTCAG

chr19	41762527	41762566	AXL_11253	+	GTGACCTATGCACCAGACGTTCCCGCCAAGAGTGGGGAACCATGGGAGGGCATGGCCTGAAGATCGGAAGAGCGGTTCAG
chr19	41763545	41763584	AXL_11254	+	GTGACCTATGCACCAGACGTTTAGGTCTCCCCCAACCCAGAATTCATTCCAAACCCCTGAAGATCGGAAGAGCGGTTCAG
chr19	41765820	41765859	AXL_11255	+	GTGACCTATGCACCAGACGTCACCTGGTACTCCCTCTCAGGATCCAAGCTAAGCACTGCCAGATCGGAAGAGCGGTTCAG
chr11	102196307	102196346	BIRC3_11256	+	GTGACCTATGCACCAGACGTTGAAATTCTCTTTGCAAATTCTTGTGATTATCATGAGATTAGATCGGAAGAGCGGTTCAG
chr11	102198872	102198911	BIRC3_11257	+	GTGACCTATGCACCAGACGTTTCTTTTTTTAAATATTGGTTGCCATCAGAGAAATTGCTTAGATCGGAAGAGCGGTTCAG
chr11	102199687	102199726	BIRC3_11258	+	GTGACCTATGCACCAGACGTTGGATAATAATGAATGCATTTAAATAGAGTCATTTGGTACAGATCGGAAGAGCGGTTCAG
chr11	102201983	102202022	BIRC3_11259	+	GTGACCTATGCACCAGACGTTTATTAATACAGTCTATTTTCATAAGGATTTGATATCAGTAGATCGGAAGAGCGGTTCAG
chr11	102207543	102207582	BIRC3_11260	+	GTGACCTATGCACCAGACGTTAATATTTTAAATCAATAGAGAACATTGTCTTTATTTTCTAGATCGGAAGAGCGGTTCAG
chr11	102207844	102207883	BIRC3_11261	+	GTGACCTATGCACCAGACGTAAACATCGTCTAAACTTTAGAATTAATTTATTAAATGTATAGATCGGAAGAGCGGTTCAG
chr11	102195677	102195716	BIRC3_11262	+	GTGACCTATGCACCAGACGTTAAACTCCAGAGCAAATCAAGATTTTTCTGCCTTGATGAGAGATCGGAAGAGCGGTTCAG
chr14	54417617	54417656	BMP4_11263	+	GTGACCTATGCACCAGACGTTTAGGAAGGAAGGGGAAAAGAAAAAGCATATGAACTTTTTAGATCGGAAGAGCGGTTCAG
chr14	54418951	54418990	BMP4_11264	+	GTGACCTATGCACCAGACGTGGGAGGGGGAGGGGAGTGGAAGGTTAAAGAATAAATAAACAGATCGGAAGAGCGGTTCAG
chr14	54417188	54417227	BMP4_11265	+	GTGACCTATGCACCAGACGTCCCACTCCCTTGAGGTAACGATCGGCTAATCCTGACATGCAGATCGGAAGAGCGGTTCAG
chr10	88635853	88635892	BMPR1A_11266	+	GTGACCTATGCACCAGACGTGTTCATTTTAGTAATGTATGTGTGTATATAAAAAGCACTAAGATCGGAAGAGCGGTTCAG
chr10	88649992	88650031	BMPR1A_11267	+	GTGACCTATGCACCAGACGTTATGCAGCCCTTCTTAAGAGTTAGGAGAATAGAGTTGCATAGATCGGAAGAGCGGTTCAG
chr10	88651997	88652036	BMPR1A_11268	+	GTGACCTATGCACCAGACGTATTTGGGACCCATGAGACAAAGAAGGGAGGGGCCATATGAAGATCGGAAGAGCGGTTCAG
chr10	88659658	88659697	BMPR1A_11269	+	GTGACCTATGCACCAGACGTCGAGAAAAGTCGGAGCATGCTTCTCAAATATCTTCTCTGGAGATCGGAAGAGCGGTTCAG
chr10	88659894	88659933	BMPR1A_11270	+	GTGACCTATGCACCAGACGTATTTATTTTGAAGCAAAATATTTTGTCAAATATTAGATGTAGATCGGAAGAGCGGTTCAG
chr10	88672152	88672191	BMPR1A_11271	+	GTGACCTATGCACCAGACGTCGTTCCTATAGACATGAATGGTGTGTTGATTTAGAATGTGAGATCGGAAGAGCGGTTCAG
chr10	88677094	88677133	BMPR1A_11272	+	GTGACCTATGCACCAGACGTACTGATTCAGTCAATTTCATTTTTGACAAGGCTAGTGAGGAGATCGGAAGAGCGGTTCAG
chr10	88679237	88679276	BMPR1A_11273	+	GTGACCTATGCACCAGACGTCTTTGCCCCACTGTTTTGAAATTATTTTAATTTCCAAAAGAGATCGGAAGAGCGGTTCAG
chr10	88681463	88681502	BMPR1A_11274	+	GTGACCTATGCACCAGACGTGAGTAGTTTCTGATTATGTTGATTTACTCATCATTTTAAAAGATCGGAAGAGCGGTTCAG
chr10	88683274	88683313	BMPR1A_11275	+	GTGACCTATGCACCAGACGTCTCAGTCCCCTGAAGAAGTGATTCGTAAATGCCACCAAATAGATCGGAAGAGCGGTTCAG
chr10	88683487	88683526	BMPR1A_11276	+	GTGACCTATGCACCAGACGTATCGGAGGAGAAACTCTAGACTGCAAGAACTGTTTTTACCAGATCGGAAGAGCGGTTCAG
chr3	48200586	48200625	CDC25A_11277	+	GTGACCTATGCACCAGACGTAGGAGAGAATAAGGTTAGGGTACACCTGCCTCACACCCACAGATCGGAAGAGCGGTTCAG
chr3	48200956	48200995	CDC25A_11278	+	GTGACCTATGCACCAGACGTGAAGGAAGGCCAAAGCAGGGTTAGCTTTTCCAGCACAGCAAGATCGGAAGAGCGGTTCAG
chr3	48205938	48205977	CDC25A_11279	+	GTGACCTATGCACCAGACGTAACAGAGACCCTTGGAACCTGCACGTTTCACACATGAAGTAGATCGGAAGAGCGGTTCAG
chr3	48207235	48207274	CDC25A_11280	+	GTGACCTATGCACCAGACGTAAAATTAGGGAGAATCAACTTTGACCGTCAGGGAAAACTAAGATCGGAAGAGCGGTTCAG
chr3	48207394	48207433	CDC25A_11281	+	GTGACCTATGCACCAGACGTAAAAAAGATACTTAGAGAATCTGAAAGCCTATATATTATTAGATCGGAAGAGCGGTTCAG
chr3	48209445	48209484	CDC25A_11282	+	GTGACCTATGCACCAGACGTTCAAAGGTAGAGAATGAGACAAGGGTTCTGAATGGAACTTAGATCGGAAGAGCGGTTCAG
chr3	48215958	48215997	CDC25A_11283	+	GTGACCTATGCACCAGACGTAAAAAACAGACAGACCCATCTTTCATTAAAACCTGTTCACAGATCGGAAGAGCGGTTCAG
chr3	48218943	48218982	CDC25A_11284	+	GTGACCTATGCACCAGACGTAGAAAAACTGATTTTAAAAAGAGCCTGTAGAGACTAACATAGATCGGAAGAGCGGTTCAG
chr3	48219489	48219528	CDC25A_11285	+	GTGACCTATGCACCAGACGTAAATTCATGGATTAATAATGAGAGCTCTGATCCACTTTCAAGATCGGAAGAGCGGTTCAG
chr3	48222341	48222380	CDC25A_11286	+	GTGACCTATGCACCAGACGTTAGTTGAGACATCTACTGTCCATGAAAACCAACTCAGGCCAGATCGGAAGAGCGGTTCAG
chr3	48224531	48224570	CDC25A_11287	+	GTGACCTATGCACCAGACGTAAAAAAGGAAAATAATTAAGGCACACAAATAAAATTTCAGAGATCGGAAGAGCGGTTCAG
chr3	48225337	48225376	CDC25A_11288	+	GTGACCTATGCACCAGACGTATCAGAAGGTAAATAATGAGAATAAAACAAGTAAAGAGGTAGATCGGAAGAGCGGTTCAG
chr3	48226196	48226235	CDC25A_11289	+	GTGACCTATGCACCAGACGTAAAAAAAAACCTCTCAAGAAATAATACAAAAAACACCATTTAGATCGGAAGAGCGGTTCAG
chr3	48228280	48228319	CDC25A_11290	+	GTGACCTATGCACCAGACGTCAGAAATAAACCATGAATGATTTATAGGATATAATTAAAAAGATCGGAAGAGCGGTTCAG
chr2	175665026	175665065	CHN1_11291	+	GTGACCTATGCACCAGACGTCAAGTACAGGAATAAATGACTTTGTGTAAGCCATATGTTCAGATCGGAAGAGCGGTTCAG
chr2	175666551	175666590	CHN1_11292	+	GTGACCTATGCACCAGACGTAAGTCGAATACCAAGAAGAAAAGAAATAACACAAAACTGAAGATCGGAAGAGCGGTTCAG
chr2	175673781	175673820	CHN1_11293	+	GTGACCTATGCACCAGACGTTGTTGAAAGAAATAAAAGTAAATATCTGGATTCACAGCACAGATCGGAAGAGCGGTTCAG
chr2	175676327	175676366	CHN1_11294	+	GTGACCTATGCACCAGACGTAAACTAGTTAGTTTCTTTGAATTATGCCTTTTCTTCAGATAGATCGGAAGAGCGGTTCAG
chr2	175677221	175677260	CHN1_11295	+	GTGACCTATGCACCAGACGTAATAAAGAAAGGAAACATTCAATATTATTTTCAGAGTTTTAGATCGGAAGAGCGGTTCAG
chr2	175689257	175689296	CHN1_11296	+	GTGACCTATGCACCAGACGTAAAAGAGGGGCAAAGTCAGGAAAGGGGAAACACACGGATGAGATCGGAAGAGCGGTTCAG
chr2	175711696	175711735	CHN1_11297	+	GTGACCTATGCACCAGACGTGCAAAGAGTTTCAGAGGTTGCCAGATTGTCACAGACGACTAGATCGGAAGAGCGGTTCAG
chr2	175742867	175742906	CHN1_11298	+	GTGACCTATGCACCAGACGTGAAATGGGAAAGATGTTTTTAAGAAAAGTAAGCAACTGAAAGATCGGAAGAGCGGTTCAG
chr2	175779910	175779949	CHN1_11299	+	GTGACCTATGCACCAGACGTAAGTCTATTCAGAAACTGTGCTTTCTACATTTTTCAATAAAGATCGGAAGAGCGGTTCAG
chr2	175783304	175783343	CHN1_11300	+	GTGACCTATGCACCAGACGTAGCAAAAAAACAGGCATATTTGTAAAAATGCAAATGTGCAAGATCGGAAGAGCGGTTCAG
chr2	175809682	175809721	CHN1_11301	+	GTGACCTATGCACCAGACGTGTAGAAACAAAAAGTGTCAATGTCCCTTACATAGAACTTAAGATCGGAAGAGCGGTTCAG
chr2	175816941	175816980	CHN1_11302	+	GTGACCTATGCACCAGACGTAAACATCAAATTAACATTACTGAATATTTAAATTTTAAATAGATCGGAAGAGCGGTTCAG
chr2	175869651	175869690	CHN1_11303	+	GTGACCTATGCACCAGACGTCTCGCCGCCGCCCGCGAGTCCAGGCGCTCCTCCCAGGCGGAGATCGGAAGAGCGGTTCAG
chr12	57910974	57911013	DDIT3_11304	+	GTGACCTATGCACCAGACGTATGAGGAAAGGGAACATAGATATTAGTTGAGAAGGGAAAGAGATCGGAAGAGCGGTTCAG
chr12	57911200	57911239	DDIT3_11305	+	GTGACCTATGCACCAGACGTGGATCAGTCTGGAAAAGCACATCTGCAGGATAATGGGGAGAGATCGGAAGAGCGGTTCAG
chr3	185867988	185868027	DGKG_11306	+	GTGACCTATGCACCAGACGTAGAGGCAGAAATGAATTAGTGGCATGCAAATCTCAGTAGCAGATCGGAAGAGCGGTTCAG
chr3	185879463	185879502	DGKG_11307	+	GTGACCTATGCACCAGACGTGAACACCAAGAGAACACAGTGAGCTTTTTCAAGTGGGAGAAGATCGGAAGAGCGGTTCAG
chr3	185882818	185882857	DGKG_11308	+	GTGACCTATGCACCAGACGTAGACAGCAAAAGTAGTGCATACACATCTCTGTGTTCCTCAAGATCGGAAGAGCGGTTCAG
chr3	185906179	185906218	DGKG_11309	+	GTGACCTATGCACCAGACGTGAGAGAAAAGGCCATCTGTTAGTGTCCTCAGTGTGTCACAAGATCGGAAGAGCGGTTCAG
chr3	185929685	185929724	DGKG_11310	+	GTGACCTATGCACCAGACGTAAGCAGAGAGATGTCTCAATATTCCATACTTGAAATGCTCAGATCGGAAGAGCGGTTCAG

chr3	185960368	185960407	DGKG_11311	+	GTGACCTATGCACCAGACGTAAGAGACAAAGCAGATCCTTGGTGAGTGGTCATGACAGTGAGATCGGAAGAGCGGTTCAG
chr3	185969719	185969758	DGKG_11312	+	GTGACCTATGCACCAGACGTCAGCACTGCATTTGCCACCACAGCAGAAAGGCTGTATTCTAGATCGGAAGAGCGGTTCAG
chr3	185970982	185971021	DGKG_11313	+	GTGACCTATGCACCAGACGTCACAGAGGAACAGAGAACCATATGCCATGGGACTGTAGAAAGATCGGAAGAGCGGTTCAG
chr3	185975739	185975778	DGKG_11314	+	GTGACCTATGCACCAGACGTGAAGAAAGGCCAAAATGGGCTTGTTACTAGGTTGCAGCTGAGATCGGAAGAGCGGTTCAG
chr3	185979578	185979617	DGKG_11315	+	GTGACCTATGCACCAGACGTAAAAGAAAAAGAAATTAGCTCTGCTTCATCCAATAGGGGGAGATCGGAAGAGCGGTTCAG
chr3	185983106	185983145	DGKG_11316	+	GTGACCTATGCACCAGACGTAAAGGAAAGACAAGCATCTTTTGGAAAAAGAAGCCTAACAAGATCGGAAGAGCGGTTCAG
chr3	185985577	185985616	DGKG_11317	+	GTGACCTATGCACCAGACGTAAATGAAAAAGAGAGTGAGTGAAAGTGAGCAAAGAAACATAGATCGGAAGAGCGGTTCAG
chr3	185986717	185986756	DGKG_11318	+	GTGACCTATGCACCAGACGTGAAGCGAACGATGCCAGGGAAAATGGCAGAACCATGTCCCAGATCGGAAGAGCGGTTCAG
chr3	185990143	185990182	DGKG_11319	+	GTGACCTATGCACCAGACGTAAAAAGTCAAGGCAGGTGCTTGTGAATAGCCACGTAGGAAAGATCGGAAGAGCGGTTCAG
chr3	185993464	185993503	DGKG_11320	+	GTGACCTATGCACCAGACGTAATAGGAGGTGAGACCCCAAGCTGGCTGCCCTGAGATGGAAGATCGGAAGAGCGGTTCAG
chr3	185997773	185997812	DGKG_11321	+	GTGACCTATGCACCAGACGTCAAAGAGCAATCATTGTCCATTTTCATCATCGACATGTCTAGATCGGAAGAGCGGTTCAG
chr3	185998544	185998583	DGKG_11322	+	GTGACCTATGCACCAGACGTGCAAAGGGAGAAAATATCAAAAGGAGACAACCAGAGATGTAGATCGGAAGAGCGGTTCAG
chr3	186002509	186002548	DGKG_11323	+	GTGACCTATGCACCAGACGTCACAGAGGTAAGCCTTGAGGTGTCCTCTAAGAAGCGCGGAAGATCGGAAGAGCGGTTCAG
chr3	186006680	186006719	DGKG_11324	+	GTGACCTATGCACCAGACGTCAAAAGGAAAACATCCAAGGACATTTTCTGTTTAGTAAATAGATCGGAAGAGCGGTTCAG
chr3	186015283	186015322	DGKG_11325	+	GTGACCTATGCACCAGACGTAAAAGAAGATTTAAAGACCAACCCAGGCCCTCTAGCTTCTAGATCGGAAGAGCGGTTCAG
chr3	186024777	186024816	DGKG_11326	+	GTGACCTATGCACCAGACGTACAATTCACATGTGAAACACTGGCAAATAGCTAATGGAAGAGATCGGAAGAGCGGTTCAG
chr3	186038259	186038298	DGKG_11327	+	GTGACCTATGCACCAGACGTTATGTGAGTGGCTAAAGGGCAGTGATGGAGTTTTGTTCACAGATCGGAAGAGCGGTTCAG
chr8	120569942	120569981	ENPP2_11328	+	GTGACCTATGCACCAGACGTAACAGAACAAAATCAGAATCAGAATTTTCCAGAGGAGTTTAGATCGGAAGAGCGGTTCAG
chr8	120575264	120575303	ENPP2_11329	+	GTGACCTATGCACCAGACGTAAGGTAAAACGAAGTCACAGTTGATGAGTTGATGTTGAAGAGATCGGAAGAGCGGTTCAG
chr8	120577206	120577245	ENPP2_11330	+	GTGACCTATGCACCAGACGTACAAAAATCCAAAAATCAATTATTCATGAAGAAAACTCCTAGATCGGAAGAGCGGTTCAG
chr8	120580503	120580542	ENPP2_11331	+	GTGACCTATGCACCAGACGTGGAAAACAAATAGTATACGTTGCTTACCAAAATCTATATCAGATCGGAAGAGCGGTTCAG
chr8	120581621	120581660	ENPP2_11332	+	GTGACCTATGCACCAGACGTGTCAGAGGCACTCAGCAATGCCGTGGCTCTGTTACGAACGAGATCGGAAGAGCGGTTCAG
chr8	120583092	120583131	ENPP2_11333	+	GTGACCTATGCACCAGACGTAAAAAAATAAACTGTGTTAGGTGCATATTAAATTTTACATAGATCGGAAGAGCGGTTCAG
chr8	120592418	120592457	ENPP2_11334	+	GTGACCTATGCACCAGACGTGAAAACCAGTAAAGGAAAAAAGAAAGCAAATCAGAAATGTAGATCGGAAGAGCGGTTCAG
chr8	120594853	120594892	ENPP2_11335	+	GTGACCTATGCACCAGACGTTTAAGAAAAGGAGGCAGGTGCTTCTTATATTTTTTTGATGAGATCGGAAGAGCGGTTCAG
chr8	120596055	120596094	ENPP2_11336	+	GTGACCTATGCACCAGACGTAAAAGAAAAACAAAAACAGTTAAGCATTGTTAGGTAGGAAAGATCGGAAGAGCGGTTCAG
chr8	120596300	120596339	ENPP2_11337	+	GTGACCTATGCACCAGACGTACAATTTCATGATTAGTTAGAATTTCTCATGAAATTACTTAGATCGGAAGAGCGGTTCAG
chr8	120598564	120598603	ENPP2_11338	+	GTGACCTATGCACCAGACGTAATGGAAATCAGACTTCAGATGGAATGTCTTTTGGAAAAAAGATCGGAAGAGCGGTTCAG
chr8	120599326	120599365	ENPP2_11339	+	GTGACCTATGCACCAGACGTAGAGGAGAAAGATTTCAAAAGAAATAACAACCATTACCAAAGATCGGAAGAGCGGTTCAG
chr8	120602881	120602920	ENPP2_11340	+	GTGACCTATGCACCAGACGTGGAGAAAAAGAATATTTTCAGGCAAGACTAAAACGAAAATAGATCGGAAGAGCGGTTCAG
chr8	120606111	120606150	ENPP2_11341	+	GTGACCTATGCACCAGACGTGAAGCAAGTTAGTCCCCACAGGGTTTTCTTTCTTTCCCTTAGATCGGAAGAGCGGTTCAG
chr8	120608253	120608292	ENPP2_11342	+	GTGACCTATGCACCAGACGTGGATAGAGATGTCTGGACTCAGAAGTCGTCTGTCCCTCTGAGATCGGAAGAGCGGTTCAG
chr8	120613001	120613040	ENPP2_11343	+	GTGACCTATGCACCAGACGTATTGGAAGGTTCAGAATCTCTCCTAAACCACATGTAACAAAGATCGGAAGAGCGGTTCAG
chr8	120613713	120613752	ENPP2_11344	+	GTGACCTATGCACCAGACGTAAAGCAAGCAAAGCATGTTGTTAGGTTTCATTTCCGCAAAAGATCGGAAGAGCGGTTCAG
chr8	120620228	120620267	ENPP2_11345	+	GTGACCTATGCACCAGACGTAAATATAAGCGGCTTAAAATGTGTTCTGTGTTTTTGTCAAAGATCGGAAGAGCGGTTCAG
chr8	120628635	120628674	ENPP2_11346	+	GTGACCTATGCACCAGACGTAAGCAAATTTATTGTTAAAATAACAATACAATAATCCACAAGATCGGAAGAGCGGTTCAG
chr8	120629494	120629533	ENPP2_11347	+	GTGACCTATGCACCAGACGTAATTGCAAATATTAGAACAAGAGAACCAACAGGAATTGCTAGATCGGAAGAGCGGTTCAG
chr8	120629814	120629853	ENPP2_11348	+	GTGACCTATGCACCAGACGTAACACATTAAGCTTTTAGAAACATTATTACCAGAGTTGCCAGATCGGAAGAGCGGTTCAG
chr8	120631555	120631594	ENPP2_11349	+	GTGACCTATGCACCAGACGTAAATGGGTAAATGTATTGTTGAATCTAATTACAAATGCCAAGATCGGAAGAGCGGTTCAG
chr8	120633770	120633809	ENPP2_11350	+	GTGACCTATGCACCAGACGTCCCAATAAAACATTTTCACTGCTGCACACTAACCAAATGAAGATCGGAAGAGCGGTTCAG
chr8	120638971	120639010	ENPP2_11351	+	GTGACCTATGCACCAGACGTCAAGAGGCAAAAACAATGGACTGGAGAGTGGTCATGTCACAGATCGGAAGAGCGGTTCAG
chr8	120650778	120650817	ENPP2_11352	+	GTGACCTATGCACCAGACGTAAAGAGACCAAGTTGTCAAATACAGCTGGAGAAGACTAAAAGATCGGAAGAGCGGTTCAG
chr8	120651031	120651070	ENPP2_11353	+	GTGACCTATGCACCAGACGTCTTGGAAAGCCTTTTGCAGCGTGTTCTCTTTGCCTTCACGAGATCGGAAGAGCGGTTCAG
chr1	16456925	16456964	EPHA2_11354	+	GTGACCTATGCACCAGACGTACGAAGGTCAGGGGCGCTGTTGCAGAAAGCCACTGAAACCAGATCGGAAGAGCGGTTCAG
chr1	16458376	16458415	EPHA2_11355	+	GTGACCTATGCACCAGACGTCCCAGGCCCAGTCACCACTGTGCCCTCTGGCTGGCCCCAGAGATCGGAAGAGCGGTTCAG
chr1	16458779	16458818	EPHA2_11356	+	GTGACCTATGCACCAGACGTACAGGCGCTCAGCTGCAGGCCAGCCCTGAACCCGCCAGGCAGATCGGAAGAGCGGTTCAG
chr1	16459874	16459913	EPHA2_11357	+	GTGACCTATGCACCAGACGTACAGGGTCAGGGGAGTGCCCTGGTCAGCCCCGGCATGAGGAGATCGGAAGAGCGGTTCAG
chr1	16460112	16460151	EPHA2_11358	+	GTGACCTATGCACCAGACGTAAGGGGTGGGGTCACAGGCAGCTCAGGAGGGGCCCCATGGAGATCGGAAGAGCGGTTCAG
chr1	16460421	16460460	EPHA2_11359	+	GTGACCTATGCACCAGACGTCCCACGGGGAACCAAATGCAGGGAGGTCAGTGAGGTCTGCAGATCGGAAGAGCGGTTCAG
chr1	16461073	16461112	EPHA2_11360	+	GTGACCTATGCACCAGACGTAAATCAGCTGATGACAAGGGAGTTCCCCCACAAATTACAGAGATCGGAAGAGCGGTTCAG
chr1	16461695	16461734	EPHA2_11361	+	GTGACCTATGCACCAGACGTGTGGCCGGCGGAGGAGCAGGCAGTGAGGGCAGGGCAGGGGAGATCGGAAGAGCGGTTCAG
chr1	16462276	16462315	EPHA2_11362	+	GTGACCTATGCACCAGACGTCAGGCAGTGGGGGAAGTGGGTAAGAAGCTGCCTACGAGCAAGATCGGAAGAGCGGTTCAG
chr1	16464691	16464730	EPHA2_11363	+	GTGACCTATGCACCAGACGTAGGAGGAGTCAGTGCTGTGCTGGACCCAGGCGGACACGTCAGATCGGAAGAGCGGTTCAG
chr1	16464936	16464975	EPHA2_11364	+	GTGACCTATGCACCAGACGTCAGGACAGACAGAGCACAAGGACATCAGTTCAATCTGCTTAGATCGGAAGAGCGGTTCAG
chr1	16475553	16475592	EPHA2_11365	+	GTGACCTATGCACCAGACGTAAGATACAGGTTAGTGTGGGCAGGTGCCTGGGGAAACTGAAGATCGGAAGAGCGGTTCAG
chr1	16477469	16477508	EPHA2_11366	+	GTGACCTATGCACCAGACGTGAAGGGAGAGGGGGTGAGCCTGGGGGTGTCTTCAGGAGTCAGATCGGAAGAGCGGTTCAG
chr1	16482438	16482477	EPHA2_11367	+	GTGACCTATGCACCAGACGTTCGCTCTCGGTCCGATCCCCCCGAGCCCGGCTCCCGCACAAGATCGGAAGAGCGGTTCAG
chr1	16475218	16475257	EPHA2_11368	+	GTGACCTATGCACCAGACGTGGCGTGCCTCGAAGTCGCTGCTGACGGTGATCTCATCGGGAGATCGGAAGAGCGGTTCAG

chr21	40182041	40182080	ETS2_11369	+	GTGACCTATGCACCAGACGTAAGTCTTAATTTTTTTTTTTAATTGGAAAACTCGATCTCTAGATCGGAAGAGCGGTTCAG
chr21	40185049	40185088	ETS2_11370	+	GTGACCTATGCACCAGACGTCCTCAGACTTGACAAATTGTGCATGATTTTCCTAAGTAGTAGATCGGAAGAGCGGTTCAG
chr21	40186327	40186366	ETS2_11371	+	GTGACCTATGCACCAGACGTCTTTCCTGAGCCTGCACTGGGTGAGAAGAACCAACTTCAGAGATCGGAAGAGCGGTTCAG
chr21	40186916	40186955	ETS2_11372	+	GTGACCTATGCACCAGACGTAACGTCTTACTTCTCCTTGTCCAGGATGAGCTGTGGCCGGAGATCGGAAGAGCGGTTCAG
chr21	40189026	40189065	ETS2_11373	+	GTGACCTATGCACCAGACGTTTGATTCTGCCCTTAAGAACTTTGTCTTCAGTCTTCCCAGAGATCGGAAGAGCGGTTCAG
chr21	40190581	40190620	ETS2_11374	+	GTGACCTATGCACCAGACGTAAGCATCTTTCAACAAGGCTGTTGCTTTGATTCTGAGAACAGATCGGAAGAGCGGTTCAG
chr21	40191701	40191740	ETS2_11375	+	GTGACCTATGCACCAGACGTAACTCCGAGAGCCTGGCCGCCCAGTCTCCTGGGTCCTGTCAGATCGGAAGAGCGGTTCAG
chr21	40193639	40193678	ETS2_11376	+	GTGACCTATGCACCAGACGTAGCCCTGGGAAATCTCTGGGCTTGAAAACCTGATTTCCTGAGATCGGAAGAGCGGTTCAG
chr21	40194824	40194863	ETS2_11377	+	GTGACCTATGCACCAGACGTACCACCCTGAGCCGGCCCCAGGCTCGTGGACTGAGTGGGAAGATCGGAAGAGCGGTTCAG
chr3	59738058	59738097	FHIT_11378	+	GTGACCTATGCACCAGACGTAAAAAAAGGAAGAGGCTCTTTCATGGGCCCTTGGGATCTCAGATCGGAAGAGCGGTTCAG
chr3	59908151	59908190	FHIT_11379	+	GTGACCTATGCACCAGACGTACAAGAAAGAAAAAAAATGTGATTATCTCCCCATGTATTTAGATCGGAAGAGCGGTTCAG
chr3	59997137	59997176	FHIT_11380	+	GTGACCTATGCACCAGACGTGAAAAAACCAACAGAGGTGAGAATAGATAGATGGTATCTCAGATCGGAAGAGCGGTTCAG
chr3	59999889	59999928	FHIT_11381	+	GTGACCTATGCACCAGACGTGTCTGTTAAGGCCCATGCTGCTGGCTTTGGGTAGTGTTCTAGATCGGAAGAGCGGTTCAG
chr3	60522706	60522745	FHIT_11382	+	GTGACCTATGCACCAGACGTTTGAAGTCTAAAAGAAAAGACAATGGATAGTTATAAAATTAGATCGGAAGAGCGGTTCAG
chr15	91419158	91419197	FURIN_11383	+	GTGACCTATGCACCAGACGTCCCCACAGGACACTGCCAGGGGGTGGACCAGAGAAGACAAGATCGGAAGAGCGGTTCAG
chr15	91419594	91419633	FURIN_11384	+	GTGACCTATGCACCAGACGTCCCCAGCCCCCTCCTGCTGCCACCCTCCCCCTCCTGCTCTAGATCGGAAGAGCGGTTCAG
chr15	91419798	91419837	FURIN_11385	+	GTGACCTATGCACCAGACGTTTCTTCGCTGCTGGGACCTCCTCCCCAGATGCACCATCCAAGATCGGAAGAGCGGTTCAG
chr15	91420265	91420304	FURIN_11386	+	GTGACCTATGCACCAGACGTCGGGGAGGGAGGCCGTGATCCCTGCTGAGGTGTGTCTAGAAGATCGGAAGAGCGGTTCAG
chr15	91420452	91420491	FURIN_11387	+	GTGACCTATGCACCAGACGTGCAGGCCCCGGTCTCTGCCTCCCTTCTCCTTTCTTCCACTAGATCGGAAGAGCGGTTCAG
chr15	91420856	91420895	FURIN_11388	+	GTGACCTATGCACCAGACGTGCCTGGGCCACCCTGTCTTCAGGAGGGCCCTTCAGTGGAAAGATCGGAAGAGCGGTTCAG
chr15	91421545	91421584	FURIN_11389	+	GTGACCTATGCACCAGACGTGATCTGTCCAGCCCCTGCGGGCAGGTTGGGTGCTGTCTTCAGATCGGAAGAGCGGTTCAG
chr15	91422217	91422256	FURIN_11390	+	GTGACCTATGCACCAGACGTCCTGGGGGTGGGGGCTGGGGAGATGGGGCTGCTGGCTGGCAGATCGGAAGAGCGGTTCAG
chr15	91422785	91422824	FURIN_11391	+	GTGACCTATGCACCAGACGTGGGGGCCAGCGGCAACCCTGTCCCTACCAGCACTCTCTGTAGATCGGAAGAGCGGTTCAG
chr15	91423015	91423054	FURIN_11392	+	GTGACCTATGCACCAGACGTGCTGGCCCGGCAGGCTGGATGTGGAGTTAGGTAGAAGGCAAGATCGGAAGAGCGGTTCAG
chr15	91423225	91423264	FURIN_11393	+	GTGACCTATGCACCAGACGTGACCCAGGCTGGGAGGGGGCCAGTGGGACCTGAGAGTCGCAGATCGGAAGAGCGGTTCAG
chr15	91423514	91423553	FURIN_11394	+	GTGACCTATGCACCAGACGTTGTCCCTGCCCGCCCTGCCCAGCGCCGCCGCCTCTCACAGAGATCGGAAGAGCGGTTCAG
chr15	91424056	91424095	FURIN_11395	+	GTGACCTATGCACCAGACGTCACTTGAGGGGTAGGGGTACGAGGTGGAGGGCTGGCAGGAAGATCGGAAGAGCGGTTCAG
chr15	91424281	91424320	FURIN_11396	+	GTGACCTATGCACCAGACGTGGTGCTGTTGGGCTTTGGGGGCCTGAGTCTGGGGGTAAGGAGATCGGAAGAGCGGTTCAG
chr15	91425119	91425158	FURIN_11397	+	GTGACCTATGCACCAGACGTGCCCACCCCCTCAAGCCAATCCCCTCCTTGGGCACTTTTTAGATCGGAAGAGCGGTTCAG
chr15	91424822	91424861	FURIN_11398	+	GTGACCTATGCACCAGACGTCGGGGCAACGGCTGCGGGCAGGGCTGCTGCCCTCACACCTAGATCGGAAGAGCGGTTCAG
chr22	24376628	24376667	GSTT1_11399	+	GTGACCTATGCACCAGACGTAAGGGTACAGACTGGGGATGGATGGTTGTGAGGGCAGGGAAGATCGGAAGAGCGGTTCAG
chr22	24379522	24379561	GSTT1_11400	+	GTGACCTATGCACCAGACGTGGGGGTCATGATGGGTAAGGGAAGGGCACTGTGCTGGGTAAGATCGGAAGAGCGGTTCAG
chr22	24381798	24381837	GSTT1_11401	+	GTGACCTATGCACCAGACGTTCCAGCATGGTGGGTGGTGGGAGGAGAACGCTGAGCCCGCAGATCGGAAGAGCGGTTCAG
chr22	24384242	24384281	GSTT1_11402	+	GTGACCTATGCACCAGACGTGACCGACCTGACCGGAAACCAGAGGGAGTCAGCAAACTCCAGATCGGAAGAGCGGTTCAG
chr5	141001115	141001154	HDAC3_11403	+	GTGACCTATGCACCAGACGTAGGGGAGAGAGGTCAGGATCTCACTCTAAGTTCTAATCTTAGATCGGAAGAGCGGTTCAG
chr5	141004943	141004982	HDAC3_11404	+	GTGACCTATGCACCAGACGTATGAGGAATACAGAGTGAGCAGTTTCCAGAGATTCCCAGGAGATCGGAAGAGCGGTTCAG
chr5	141005342	141005381	HDAC3_11405	+	GTGACCTATGCACCAGACGTAGAGGAGAAAGTATGGCTCAGACTGAGAAAGGCAGCTAACAGATCGGAAGAGCGGTTCAG
chr5	141005649	141005688	HDAC3_11406	+	GTGACCTATGCACCAGACGTCCAGCAGAGGGGAGCAGGCTGACCAAGTGGGCTGAAGGACAGATCGGAAGAGCGGTTCAG
chr5	141005861	141005900	HDAC3_11407	+	GTGACCTATGCACCAGACGTGAACCAGAGGAAGATGTGGAGGAGGTTATCAAAAGACAAGAGATCGGAAGAGCGGTTCAG
chr5	141007535	141007574	HDAC3_11408	+	GTGACCTATGCACCAGACGTCAAAACCCCAGGAAAGTGCAGTGATCAGAACTGATCAGAAAGATCGGAAGAGCGGTTCAG
chr5	141007765	141007804	HDAC3_11409	+	GTGACCTATGCACCAGACGTGCCAAAGATGGGCACCTGGCACCCCAAGGGGATGGGGAGAAGATCGGAAGAGCGGTTCAG
chr5	141008217	141008256	HDAC3_11410	+	GTGACCTATGCACCAGACGTGTGGGTGGTGGTAGCCACACATGGGAAGCACCCACAACCCAGATCGGAAGAGCGGTTCAG
chr5	141008884	141008923	HDAC3_11411	+	GTGACCTATGCACCAGACGTGCCAAAGCCAGGGTCTGAGCTAGAAGTGAACCCCCCAACCAGATCGGAAGAGCGGTTCAG
chr5	141009317	141009356	HDAC3_11412	+	GTGACCTATGCACCAGACGTACAGTGGTCTCATAAAGAGAAGAGCAATTCCCCTCCCAGCAGATCGGAAGAGCGGTTCAG
chr5	141009494	141009533	HDAC3_11413	+	GTGACCTATGCACCAGACGTAACACCTAAGTCACAGTCCTTCCTGCCCACCCCTCAAGCTAGATCGGAAGAGCGGTTCAG
chr5	141009703	141009742	HDAC3_11414	+	GTGACCTATGCACCAGACGTGAGGAACAAGTTGGAACCCTCCTGCCTCTGTCTGGGCCCTAGATCGGAAGAGCGGTTCAG
chr5	141014531	141014570	HDAC3_11415	+	GTGACCTATGCACCAGACGTAGACACAAGATGAACCCAGGCAGGGTCAGCCCCACTCCACAGATCGGAAGAGCGGTTCAG
chr5	141016208	141016247	HDAC3_11416	+	GTGACCTATGCACCAGACGTGGAGAAGAGAGTTCGTCAGCTCTCACCCCTGGAGTTGCAAAGATCGGAAGAGCGGTTCAG
chr19	10381913	10381952	ICAM1_11417	+	GTGACCTATGCACCAGACGTGTGGGGATTGCCGTCGGGCCAGTTCTCCGAAGCCCCGGGAAGATCGGAAGAGCGGTTCAG
chr19	10385715	10385754	ICAM1_11418	+	GTGACCTATGCACCAGACGTGAGCCCGGAGGGCTGGACTAGGCAGACCCGGTGGGAGAGAAGATCGGAAGAGCGGTTCAG
chr19	10394473	10394512	ICAM1_11419	+	GTGACCTATGCACCAGACGTAAGAAGCCAGCAGGGAGAAGGTGGGGGTGGGGTATCCTGCAGATCGGAAGAGCGGTTCAG
chr19	10395007	10395046	ICAM1_11420	+	GTGACCTATGCACCAGACGTGCAGGGGCGGAGTGGGGCTTCTTGGGGGTGTGACCTGAACAGATCGGAAGAGCGGTTCAG
chr19	10395344	10395383	ICAM1_11421	+	GTGACCTATGCACCAGACGTCTGCTGGTCAATGGCCCCTATCCCCCAAGGCCCAATCTCCAGATCGGAAGAGCGGTTCAG
chr19	10395715	10395754	ICAM1_11422	+	GTGACCTATGCACCAGACGTCGGCGGGCAGAGCTGGGTGGGGGCAGGGGCCATGGACCTAAGATCGGAAGAGCGGTTCAG
chr19	10395974	10396013	ICAM1_11423	+	GTGACCTATGCACCAGACGTGGACAGGGCCTCTTCCTCGGCCTTCCCATATTGGTGGCAGAGATCGGAAGAGCGGTTCAG
chr4	123373028	123373067	IL2_11424	+	GTGACCTATGCACCAGACGTAAAATGTTAATTTTTTAAAGTACAGAGTAGTTTACCTTATAGATCGGAAGAGCGGTTCAG
chr4	123375019	123375058	IL2_11425	+	GTGACCTATGCACCAGACGTAATTATCATCAGCTCAGTTTACATAGAGGTCAGAATCAGAAGATCGGAAGAGCGGTTCAG
chr4	123377369	123377408	IL2_11426	+	GTGACCTATGCACCAGACGTATAATGCATTGTTATTAAGAAATGATCTCCAGCTAGATTAAGATCGGAAGAGCGGTTCAG

chr4	123377606	123377645	IL2_11427	+	GTGACCTATGCACCAGACGTGTTGAGGTTACTGTGAGTAGTGATTAAAGAGAGTGATAGGAGATCGGAAGAGCGGTTCAG
chr10	6054870	6054909	IL2RA_11428	+	GTGACCTATGCACCAGACGTGTAACAAAGTCACGGTCATATGTGTAACACGGCACCAAAAAGATCGGAAGAGCGGTTCAG
chr10	6060093	6060132	IL2RA_11429	+	GTGACCTATGCACCAGACGTAGAGAGGGAGTTCAGCAAAGGGCCCTGGGCTTGGCATGGGAGATCGGAAGAGCGGTTCAG
chr10	6061473	6061512	IL2RA_11430	+	GTGACCTATGCACCAGACGTGAGATAAAGAGAGACACTCCTGCTACCGTGACTTTAGGACAGATCGGAAGAGCGGTTCAG
chr10	6061915	6061954	IL2RA_11431	+	GTGACCTATGCACCAGACGTGAGTAAGTGATGCTGGTGGAGCTAAACACAGGAGTCAGGGAGATCGGAAGAGCGGTTCAG
chr10	6063667	6063706	IL2RA_11432	+	GTGACCTATGCACCAGACGTGAAGGAATGCTCTGAAGGCAAGTTGGGGACAGCACCGCGAAGATCGGAAGAGCGGTTCAG
chr10	6066328	6066367	IL2RA_11433	+	GTGACCTATGCACCAGACGTTAGATGGAATGATGCAGATAATTTCACAAATGCTTCATAGAGATCGGAAGAGCGGTTCAG
chr10	6067999	6068038	IL2RA_11434	+	GTGACCTATGCACCAGACGTAAAGAAGCCTATTAGGAACTCAAGAGGCCCCAGGCAAGTAAGATCGGAAGAGCGGTTCAG
chr10	6104125	6104164	IL2RA_11435	+	GTGACCTATGCACCAGACGTCTTGGGACCAGCCGGGGCAGTGAAGCGGAGGTCTTTCTCTAGATCGGAAGAGCGGTTCAG
chr17	45331317	45331356	ITGB3_11436	+	GTGACCTATGCACCAGACGTCTCCGGCTCGGCAGCGTCGCAGCTGCCCCAGGATCTGCGCAGATCGGAAGAGCGGTTCAG
chr17	45351881	45351920	ITGB3_11437	+	GTGACCTATGCACCAGACGTGATACCAGACCTTGTTTCTTCTCCAGACTAAGCTGCTTTTAGATCGGAAGAGCGGTTCAG
chr17	45360926	45360965	ITGB3_11438	+	GTGACCTATGCACCAGACGTGACTCTTTGCGGGGAGAGACCTGAAGCAGGTGGGCATAGAAGATCGGAAGAGCGGTTCAG
chr17	45362072	45362111	ITGB3_11439	+	GTGACCTATGCACCAGACGTCCTCCAGACGCCAGGACAGCATCCTTTGCCCCAGGAAGGTAGATCGGAAGAGCGGTTCAG
chr17	45363799	45363838	ITGB3_11440	+	GTGACCTATGCACCAGACGTAGGACTTGGAGTGCCAGGTGTGGCTGGCATAGATCAAAATAGATCGGAAGAGCGGTTCAG
chr17	45367153	45367192	ITGB3_11441	+	GTGACCTATGCACCAGACGTCTTCGGGCTTCCTGGAGTGGGCCCTGTGATGGTGGGTGCCAGATCGGAAGAGCGGTTCAG
chr17	45367651	45367690	ITGB3_11442	+	GTGACCTATGCACCAGACGTTGTGCTGGGAATAGTCCCGCGGAGAGTCCACCTCATTTGGAGATCGGAAGAGCGGTTCAG
chr17	45368465	45368504	ITGB3_11443	+	GTGACCTATGCACCAGACGTCTGGGCAGGGCCTTTGTCCTGGAGCATCTGTGGGCACCCAAGATCGGAAGAGCGGTTCAG
chr17	45369945	45369984	ITGB3_11444	+	GTGACCTATGCACCAGACGTCTGCAGGGCCCCCTGTCCTGGAACCCACACCCCCTCATATAGATCGGAAGAGCGGTTCAG
chr17	45376907	45376946	ITGB3_11445	+	GTGACCTATGCACCAGACGTAGTCTGGAGAGAGCCGGGAGGCTGGGAGGTAGGAGAGGATAGATCGGAAGAGCGGTTCAG
chr17	45377955	45377994	ITGB3_11446	+	GTGACCTATGCACCAGACGTCACATCTTAGAGTTGCACACACCCAGGTTCTAAATGTTTCAGATCGGAAGAGCGGTTCAG
chr17	45380217	45380256	ITGB3_11447	+	GTGACCTATGCACCAGACGTCCTGACGGCTCCCGGCCCTGCCCCAGGAGGGAGAGGGAGAAGATCGGAAGAGCGGTTCAG
chr17	45385014	45385053	ITGB3_11448	+	GTGACCTATGCACCAGACGTGGGCTGGGCGTTTTCTAAAGTCATTGGTCTGAGACTCTTAAGATCGGAAGAGCGGTTCAG
chr17	45387581	45387620	ITGB3_11449	+	GTGACCTATGCACCAGACGTTCATCCTCAGATCATTATCAGCCTGTGCCACGATTGCAGGAGATCGGAAGAGCGGTTCAG
chr19	17937730	17937769	JAK3_11450	+	GTGACCTATGCACCAGACGTGGGGACAGATAATGGGGTCGTGCCTGAGCAGTCCAAAGGAAGATCGGAAGAGCGGTTCAG
chr19	17941038	17941077	JAK3_11451	+	GTGACCTATGCACCAGACGTGGAGGAGCGCATGTGGTGGGGGAGGAGCCTCCGTGGGTGGAGATCGGAAGAGCGGTTCAG
chr19	17941440	17941479	JAK3_11452	+	GTGACCTATGCACCAGACGTGACAAGGTCTTGAGATGCGAGGGTGTAGAAAGGACAGGAAAGATCGGAAGAGCGGTTCAG
chr19	17942220	17942259	JAK3_11453	+	GTGACCTATGCACCAGACGTGCGGTGTGAGCGTGCAGAGAGGATCCCAGGATAATCCGGCAGATCGGAAGAGCGGTTCAG
chr19	17942618	17942657	JAK3_11454	+	GTGACCTATGCACCAGACGTCAGGATCTGTCACAGCAGGGCCCAGCCCTGCTCGTCCCCCAGATCGGAAGAGCGGTTCAG
chr19	17943528	17943567	JAK3_11455	+	GTGACCTATGCACCAGACGTGCGGGACTGATGTCCAGGCACCTGGATGCTGCCCTGCCCTAGATCGGAAGAGCGGTTCAG
chr19	17943749	17943788	JAK3_11456	+	GTGACCTATGCACCAGACGTGGCATGGGCAGTGGTAAGCAGCGCCTCTCATCCTGGGCCCAGATCGGAAGAGCGGTTCAG
chr19	17945541	17945580	JAK3_11457	+	GTGACCTATGCACCAGACGTGAGGAGCAGTCGGTAATCCCCAACCCAATAGACCCACCCCAGATCGGAAGAGCGGTTCAG
chr19	17945823	17945862	JAK3_11458	+	GTGACCTATGCACCAGACGTGAAAGTGGGATCAGGGATCCACTTCCTTGCCCTGCTCAGCAGATCGGAAGAGCGGTTCAG
chr19	17946035	17946074	JAK3_11459	+	GTGACCTATGCACCAGACGTCAGACACAGGAAAATGCCCGGGAGGGTTTGATGAATGAAGAGATCGGAAGAGCGGTTCAG
chr19	17946871	17946910	JAK3_11460	+	GTGACCTATGCACCAGACGTGCAGGGAGAGGCGGGGTTGGGAGACTGAACTGCACTTGTGAGATCGGAAGAGCGGTTCAG
chr19	17948033	17948072	JAK3_11461	+	GTGACCTATGCACCAGACGTTGGGAAGGGAGAGAAGATGCGTGGGTTTCTTCCACTCCAAAGATCGGAAGAGCGGTTCAG
chr19	17948883	17948922	JAK3_11462	+	GTGACCTATGCACCAGACGTAGGGGACAGCAGAAGAGGCCAGTGAGGGGGTTCCTGCAGGAGATCGGAAGAGCGGTTCAG
chr19	17949210	17949249	JAK3_11463	+	GTGACCTATGCACCAGACGTAGGATGAGGGAGAAAAACCAGAAATCAGAGGTGAAAAGTCAGATCGGAAGAGCGGTTCAG
chr19	17950483	17950522	JAK3_11464	+	GTGACCTATGCACCAGACGTGAGTGGCCCCTGAGTGGGACTGAGCGACAGACACTCTCCTAGATCGGAAGAGCGGTTCAG
chr19	17951161	17951200	JAK3_11465	+	GTGACCTATGCACCAGACGTAGGTGAGAGGGAATGGGGAGGAGTCAGAGATAGAAGAAGAAGATCGGAAGAGCGGTTCAG
chr19	17952366	17952405	JAK3_11466	+	GTGACCTATGCACCAGACGTCAAGCGTCAGAGCCCAGTGAAACCCGAGGGTGCCGGTCCCAGATCGGAAGAGCGGTTCAG
chr19	17952582	17952621	JAK3_11467	+	GTGACCTATGCACCAGACGTGGGGGAGTACCGAAGTGGGGGCCCAGCTGGACCCCGCCAAAGATCGGAAGAGCGGTTCAG
chr19	17953430	17953469	JAK3_11468	+	GTGACCTATGCACCAGACGTTGGAGGGGAGGGAGCCGGCCCTCAGCGTCGGGAGGGGTCCAGATCGGAAGAGCGGTTCAG
chr19	17953992	17954031	JAK3_11469	+	GTGACCTATGCACCAGACGTGCCACAGGGAGCATCAGCTGAGGCCACCCAACTTCAAGCCAGATCGGAAGAGCGGTTCAG
chr19	17954311	17954350	JAK3_11470	+	GTGACCTATGCACCAGACGTAGGAGAGAACCCTGGGATGAAAGTGCAACCCAGCCTCAGTAGATCGGAAGAGCGGTTCAG
chr19	17954720	17954759	JAK3_11471	+	GTGACCTATGCACCAGACGTTGGTCCCATCAGCTCCCTCCTGAGTCACCCCATCTGTGCCAGATCGGAAGAGCGGTTCAG
chr19	17955237	17955276	JAK3_11472	+	GTGACCTATGCACCAGACGTTGCCTGGGGCACAGAGAGAAAAAGCCCCTCAGTCCTGGTCAGATCGGAAGAGCGGTTCAG
chr5	56111893	56111932	MAP3K1_11473	+	GTGACCTATGCACCAGACGTCGGCCGGGGTCGCGGCGGGGACTTGGAGAGCGGGCAGAGGAGATCGGAAGAGCGGTTCAG
chr5	56152588	56152627	MAP3K1_11474	+	GTGACCTATGCACCAGACGTATGGGTTACCAGTTATAAGGAAGAAAGCATAGGAGGAAATAGATCGGAAGAGCGGTTCAG
chr5	56155753	56155792	MAP3K1_11475	+	GTGACCTATGCACCAGACGTGTTACAACAAATATGTTAGTTTTTATAATTTTTAGCTTCAAGATCGGAAGAGCGGTTCAG
chr5	56160772	56160811	MAP3K1_11476	+	GTGACCTATGCACCAGACGTTCACCATTTTATACTTTATTAGTAGTAGTATATGGTACTAAGATCGGAAGAGCGGTTCAG
chr5	56161294	56161333	MAP3K1_11477	+	GTGACCTATGCACCAGACGTATAAATGCTTAGAGTAAAATTGTTAGCATATTCTTAGGATAGATCGGAAGAGCGGTTCAG
chr5	56161815	56161854	MAP3K1_11478	+	GTGACCTATGCACCAGACGTTTTAAGGATTTCAAACATTAATCCAGTGTTACTTTTAATTAGATCGGAAGAGCGGTTCAG
chr5	56167869	56167908	MAP3K1_11479	+	GTGACCTATGCACCAGACGTCTTTTTCTCCCTATGCTTACTCAACACAGTTGCTCTCTGAAGATCGGAAGAGCGGTTCAG
chr5	56168560	56168599	MAP3K1_11480	+	GTGACCTATGCACCAGACGTTGAAATGATACGGATATGTTTAATTTTTAAAAATTTCTCAAGATCGGAAGAGCGGTTCAG
chr5	56168843	56168882	MAP3K1_11481	+	GTGACCTATGCACCAGACGTCTTTGTTTTTCATTTCTCAAAGAAATATTTATAGATCAATAGATCGGAAGAGCGGTTCAG
chr5	56171148	56171187	MAP3K1_11482	+	GTGACCTATGCACCAGACGTTTATTCCATAATCATATCATTATGGGTTTGGGGTTTTTTGAGATCGGAAGAGCGGTTCAG
chr5	56174939	56174978	MAP3K1_11483	+	GTGACCTATGCACCAGACGTATTGATGAATCACTTCAAACCCTCTTGTCTTAAAAGTGCCAGATCGGAAGAGCGGTTCAG
chr5	56176640	56176679	MAP3K1_11484	+	GTGACCTATGCACCAGACGTTTCACTTAAAAGGAATATAGCATATTTTATCATGTTCCTGAGATCGGAAGAGCGGTTCAG

chr5	56177110	56177149	MAP3K1_11485	+	GTGACCTATGCACCAGACGTTTCTGAAAATGTATTACTTGTATCTTCCTACCCTCCCTACAGATCGGAAGAGCGGTTCAG
chr5	56179517	56179556	MAP3K1_11486	+	GTGACCTATGCACCAGACGTAGTGAGCATATAAATGAAATGACTCAAATCACAAAATGAAAGATCGGAAGAGCGGTTCAG
chr5	56180664	56180703	MAP3K1_11487	+	GTGACCTATGCACCAGACGTGTTTTAAATTACAAAATAGTAGTACGTGGATTTAACTTTCAGATCGGAAGAGCGGTTCAG
chr5	56183358	56183397	MAP3K1_11488	+	GTGACCTATGCACCAGACGTTCTTTGAGTGTGATGACAGAAAATATTTTGGAATTCTGTGAGATCGGAAGAGCGGTTCAG
chr5	56184195	56184234	MAP3K1_11489	+	GTGACCTATGCACCAGACGTGATAAAAATTACTTCTTTGTGCTAAAAGGAGTACAGCAGAAGATCGGAAGAGCGGTTCAG
chr5	56189518	56189557	MAP3K1_11490	+	GTGACCTATGCACCAGACGTAGATCAACTACAGTAGAAACAGGATGCTCAACAAGAGAAAAGATCGGAAGAGCGGTTCAG
chr5	56178271	56178310	MAP3K1_11491	+	GTGACCTATGCACCAGACGTACACTTGATCTGAACAGTAGTTCCAAATGTGATGACAGCTAGATCGGAAGAGCGGTTCAG
chr5	179663537	179663576	MAPK9_11492	+	GTGACCTATGCACCAGACGTAAAACCAAATATAATAAAATCTGAGGCACGACATTGCTGCAGATCGGAAGAGCGGTTCAG
chr5	179663542	179663581	MAPK9_11493	+	GTGACCTATGCACCAGACGTCAAATATAATAAAATCTGAGGCACGACATTGCTGCAAATCAGATCGGAAGAGCGGTTCAG
chr5	179665414	179665453	MAPK9_11494	+	GTGACCTATGCACCAGACGTAATACAAGTTAAAATGCTTAATCAGTTTCTAAACAGTTTCAGATCGGAAGAGCGGTTCAG
chr5	179666998	179667037	MAPK9_11495	+	GTGACCTATGCACCAGACGTAATCATATGTAAAGTCAACAGTAATGCCTCAAAAAAAAATAGATCGGAAGAGCGGTTCAG
chr5	179668166	179668205	MAPK9_11496	+	GTGACCTATGCACCAGACGTAACAAATATTAAATTAATGCTGTTAATATGAAACAAACAGAGATCGGAAGAGCGGTTCAG
chr5	179669766	179669805	MAPK9_11497	+	GTGACCTATGCACCAGACGTTCTTGAGGAAAATACAACTGAAGTACCTTGTATTCACAGTAGATCGGAAGAGCGGTTCAG
chr5	179674521	179674560	MAPK9_11498	+	GTGACCTATGCACCAGACGTAATGAAATGATAAAATTATGAAGTGCCATGAACAAAACAAAGATCGGAAGAGCGGTTCAG
chr5	179674937	179674976	MAPK9_11499	+	GTGACCTATGCACCAGACGTCCAGGGGATTAAAAACCAGCTAGAGTCCCCCATCTTTTTTAGATCGGAAGAGCGGTTCAG
chr5	179676149	179676188	MAPK9_11500	+	GTGACCTATGCACCAGACGTAATGGCTTAAATTAGTAAAATGAATGAAGCATGCTAAATAAGATCGGAAGAGCGGTTCAG
chr5	179688833	179688872	MAPK9_11501	+	GTGACCTATGCACCAGACGTAAAGGTCAGTTATTTATTTGAAAATTATCCAAAGTTCCTTAGATCGGAAGAGCGGTTCAG
chr5	179691850	179691889	MAPK9_11502	+	GTGACCTATGCACCAGACGTAAAATTAATTATACTTCAATATGTCAGATTACTTGATTACAGATCGGAAGAGCGGTTCAG
chr5	179696420	179696459	MAPK9_11503	+	GTGACCTATGCACCAGACGTGAAATATAATGCACAATCCATTAGAACGGTTTTGGAAAATAGATCGGAAGAGCGGTTCAG
chr5	179707572	179707611	MAPK9_11504	+	GTGACCTATGCACCAGACGTCCTGCAATATCCCGAAGGGTGGGCAAGTTTCAGATCCCTTAGATCGGAAGAGCGGTTCAG
chr2	16082987	16083026	MYCN_11505	+	GTGACCTATGCACCAGACGTAACTCGGGTCCGGCTGCCTCCCTGGGGCACTGGACCCCGGAGATCGGAAGAGCGGTTCAG
chr2	16086230	16086269	MYCN_11506	+	GTGACCTATGCACCAGACGTAAACTGGACAGTCACTGCCACTTTGCACATTTTGATTTTTAGATCGGAAGAGCGGTTCAG
chr2	16082592	16082631	MYCN_11507	+	GTGACCTATGCACCAGACGTCACGGCCGCGGGCCGCCAACCGCCGGTTCCACCGCCCAGTAGATCGGAAGAGCGGTTCAG
chr2	16085927	16085966	MYCN_11508	+	GTGACCTATGCACCAGACGTAGAGCTTGAGCCCCCGAAACTCTGACTCGGAGGACAGTGAAGATCGGAAGAGCGGTTCAG
chr9	134001147	134001186	NUP214_11509	+	GTGACCTATGCACCAGACGTAACCGGGGCCTCCCTCCCTTCTTTAGTCCTGGCGTTGCCTAGATCGGAAGAGCGGTTCAG
chr9	134003117	134003156	NUP214_11510	+	GTGACCTATGCACCAGACGTTGGTTTATGTTGCAAAGTAGAGAGAGGAGTATGGTGGCATAGATCGGAAGAGCGGTTCAG
chr9	134003881	134003920	NUP214_11511	+	GTGACCTATGCACCAGACGTGTTATACTGTGATGTCAACATGAGAACCCTAAGCAGATTTAGATCGGAAGAGCGGTTCAG
chr9	134004875	134004914	NUP214_11512	+	GTGACCTATGCACCAGACGTAAGGCTTTCACACTGTAGCATACAATCATGGTCATCTACTAGATCGGAAGAGCGGTTCAG
chr9	134006234	134006273	NUP214_11513	+	GTGACCTATGCACCAGACGTATCTTGAACTTCAGAATTTTTCTTAAGTTGCCCACTTTTTAGATCGGAAGAGCGGTTCAG
chr9	134008057	134008096	NUP214_11514	+	GTGACCTATGCACCAGACGTCTTTTCTTATTGGGCTGACCTCTAATGACATGTTATGTATAGATCGGAAGAGCGGTTCAG
chr9	134008607	134008646	NUP214_11515	+	GTGACCTATGCACCAGACGTGGAAGAAATTTCATTGTTTGAGAATTAGAGAAGTCTTCTAAGATCGGAAGAGCGGTTCAG
chr9	134010402	134010441	NUP214_11516	+	GTGACCTATGCACCAGACGTAGTCTGGACAGGGCATTCCTGCTCTCACTGGAAGATCACAAGATCGGAAGAGCGGTTCAG
chr9	134014805	134014844	NUP214_11517	+	GTGACCTATGCACCAGACGTCCTGGTAGTTAGTGCAGAAATAGTCTTCTTTCTAGTTAGGAGATCGGAAGAGCGGTTCAG
chr9	134016108	134016147	NUP214_11518	+	GTGACCTATGCACCAGACGTCTGCCTGCTTTATCAGTAAGGGAATACCATGGGCTTGCACAGATCGGAAGAGCGGTTCAG
chr9	134020152	134020191	NUP214_11519	+	GTGACCTATGCACCAGACGTTCTAAAGTTTGATTCTTCTGTGAGTTGGGTAGAAATATTGAGATCGGAAGAGCGGTTCAG
chr9	134021702	134021741	NUP214_11520	+	GTGACCTATGCACCAGACGTAAGCAGACAACTTTAGACCTCAGCCCTGCCTTCTCAGATTAGATCGGAAGAGCGGTTCAG
chr9	134022982	134023021	NUP214_11521	+	GTGACCTATGCACCAGACGTATTCAGCTTGCAATGTTTGTGTTTATTAATTTACTGCCCCAGATCGGAAGAGCGGTTCAG
chr9	134025808	134025847	NUP214_11522	+	GTGACCTATGCACCAGACGTTTCCTGAGGGTGTTTTTCTGAAAGTAGCTGACAGACTTGGAGATCGGAAGAGCGGTTCAG
chr9	134026163	134026202	NUP214_11523	+	GTGACCTATGCACCAGACGTATGGATACTTTTCCTGAGTTGAATTGCATTTAACAATTTTAGATCGGAAGAGCGGTTCAG
chr9	134027292	134027331	NUP214_11524	+	GTGACCTATGCACCAGACGTTATGTAAATCTGTTTAAAAGATTTAAAAACAAGCTCATGTAGATCGGAAGAGCGGTTCAG
chr9	134038571	134038610	NUP214_11525	+	GTGACCTATGCACCAGACGTGACTTGCACTCAATAAATATGGGTGAATGAATGCATGAACAGATCGGAAGAGCGGTTCAG
chr9	134039353	134039392	NUP214_11526	+	GTGACCTATGCACCAGACGTCCTTCCCAGTCTTTTAACTCCCTTTATTCTCTTCCAAGTAAGATCGGAAGAGCGGTTCAG
chr9	134039542	134039581	NUP214_11527	+	GTGACCTATGCACCAGACGTCCAGTAACTGGGCCTGTACATAGTGATAGGGTGTGGTGGGAGATCGGAAGAGCGGTTCAG
chr9	134049716	134049755	NUP214_11528	+	GTGACCTATGCACCAGACGTAGTGGGAAAGGAAACTGTTTTTCCCTATGATGTTTCTAACAGATCGGAAGAGCGGTTCAG
chr9	134051019	134051058	NUP214_11529	+	GTGACCTATGCACCAGACGTTAGCCCCATACCTGTACAGAGGCTGATTATGAGCTGTCTGAGATCGGAAGAGCGGTTCAG
chr9	134053808	134053847	NUP214_11530	+	GTGACCTATGCACCAGACGTACTGCAGTGTGTTTCAGCCCCTGGCTGCTTCTGTAGTAGCAGATCGGAAGAGCGGTTCAG
chr9	134064529	134064568	NUP214_11531	+	GTGACCTATGCACCAGACGTATTTTTGTTTTCTTGAAAAGTGAAAGAAGCACTCCACAATAGATCGGAAGAGCGGTTCAG
chr9	134067690	134067729	NUP214_11532	+	GTGACCTATGCACCAGACGTAACTTAAGTTTTATGGCAAATTACTAGCAATTAGCTTCCCAGATCGGAAGAGCGGTTCAG
chr9	134070692	134070731	NUP214_11533	+	GTGACCTATGCACCAGACGTTGTGTTGAGTAGCATTACTCATGTGTTTTCTCTAAATAAGAGATCGGAAGAGCGGTTCAG
chr9	134074413	134074452	NUP214_11534	+	GTGACCTATGCACCAGACGTGTGGAAGCTTTTTACTTGTTTCCCTCTCTGCTATTTGAAAAGATCGGAAGAGCGGTTCAG
chr9	134077115	134077154	NUP214_11535	+	GTGACCTATGCACCAGACGTATTTGTCTTCATTCACGTCAACATGTATCAAACCCATTCAAGATCGGAAGAGCGGTTCAG
chr9	134090766	134090805	NUP214_11536	+	GTGACCTATGCACCAGACGTAAGACTTTTCCCAGTCCCTTGGTCCCCTAATGCCATTGTCAGATCGGAAGAGCGGTTCAG
chr9	134098328	134098367	NUP214_11537	+	GTGACCTATGCACCAGACGTGTCTATTTGTTATGGTTATCTTTATATATGTATTTGTTTAAGATCGGAAGAGCGGTTCAG
chr9	134103729	134103768	NUP214_11538	+	GTGACCTATGCACCAGACGTTGGGGAGGGCCCTTGGGAACCCACACGCCAGCCAAAAAGCAGATCGGAAGAGCGGTTCAG
chr9	134106167	134106206	NUP214_11539	+	GTGACCTATGCACCAGACGTACAAGTTCTCCCCTCACAAGCAAAATGGGTCCCTCTTGCCAGATCGGAAGAGCGGTTCAG
chr9	134107706	134107745	NUP214_11540	+	GTGACCTATGCACCAGACGTCCCTTTTTGAGTCTCACCTTAATTAAAAGCATTAAATAAGAGATCGGAAGAGCGGTTCAG
chr9	134108885	134108924	NUP214_11541	+	GTGACCTATGCACCAGACGTGCAGGCCTTTCGATCCCTGGGACCAACCGCATCCTCAGCTAGATCGGAAGAGCGGTTCAG
chr9	134073063	134073102	NUP214_11542	+	GTGACCTATGCACCAGACGTCACCTCAGTAGCACCACCAGCAGCCACCAGCACTTCCTCAAGATCGGAAGAGCGGTTCAG

chr9	134073513	134073552	NUP214_11543	+	GTGACCTATGCACCAGACGTCCAGCCTGCAGTCAGCAACTCTGGCACTGCAGCATCTAGTAGATCGGAAGAGCGGTTCAG
chr9	134073963	134074002	NUP214_11544	+	GTGACCTATGCACCAGACGTCAGCACAGCAGCTGCCACACCACAGGTCAGCAGCTCAGGGAGATCGGAAGAGCGGTTCAG
chr11	100910013	100910052	PGR_11545	+	GTGACCTATGCACCAGACGTAACAAATGAGTAGAAAACATGTAATAAAAATAATAAATTCAGATCGGAAGAGCGGTTCAG
chr11	100912844	100912883	PGR_11546	+	GTGACCTATGCACCAGACGTGACAATTAAAAGTGGCAGTTGTGTATAAAAAGATGACATTAGATCGGAAGAGCGGTTCAG
chr11	100920801	100920840	PGR_11547	+	GTGACCTATGCACCAGACGTACACAATACACAAAAGAAAAAGCAACAGGAAAAAAAAATAGAGATCGGAAGAGCGGTTCAG
chr11	100922310	100922349	PGR_11548	+	GTGACCTATGCACCAGACGTAATTTAAAAATACAGTGACCATAAAAATGACTGAATTATCAGATCGGAAGAGCGGTTCAG
chr11	100933494	100933533	PGR_11549	+	GTGACCTATGCACCAGACGTGAAAAAAAAGAAATTCATGTAAATATATATAAACTCCATAAGATCGGAAGAGCGGTTCAG
chr11	100962618	100962657	PGR_11550	+	GTGACCTATGCACCAGACGTAAAATGAGTCAAAATTATTTACAATATCTAAGATTCACTGAGATCGGAAGAGCGGTTCAG
chr11	100996900	100996939	PGR_11551	+	GTGACCTATGCACCAGACGTAAAACAAAGTACTCCATTTATTTTTAAGTGCACCACTATCAGATCGGAAGAGCGGTTCAG
chr11	100999812	100999851	PGR_11552	+	GTGACCTATGCACCAGACGTCTCCCCTTTTCTCCTCCCCCGTCTCCAGGAGGAGGGAAAAAGATCGGAAGAGCGGTTCAG
chr11	100998584	100998623	PGR_11553	+	GTGACCTATGCACCAGACGTCACAAGGTAGGAACGCGGGGAGCGCGCGGAGGCCTCCGCGAGATCGGAAGAGCGGTTCAG
chr11	100998993	100999032	PGR_11554	+	GTGACCTATGCACCAGACGTTTGGGGACCAGGGCGACGCCTCCTGCTGCCGCCCCCGGCGAGATCGGAAGAGCGGTTCAG
chr11	100999402	100999441	PGR_11555	+	GTGACCTATGCACCAGACGTAGGCGGGAGGGCTGGGTTGGCTCTGCCCGGGACCTGAGGGAGATCGGAAGAGCGGTTCAG
chr22	46594499	46594538	PPARA_11556	+	GTGACCTATGCACCAGACGTCGTTTCCTAGAAAGTTTTATTTAGAAATGTTTCTTCCTCCAGATCGGAAGAGCGGTTCAG
chr22	46611241	46611280	PPARA_11557	+	GTGACCTATGCACCAGACGTGCTGGAACAGGGCCTGGTGGCCGCCACCATCAACTACTTAAGATCGGAAGAGCGGTTCAG
chr22	46614309	46614348	PPARA_11558	+	GTGACCTATGCACCAGACGTTGGCCCTGCACATTTTCCCAGTTCGTTCCTCAGTTCCCCTAGATCGGAAGAGCGGTTCAG
chr22	46615922	46615961	PPARA_11559	+	GTGACCTATGCACCAGACGTGCGGCTGTTCTGGGTTCTCTTGGCAACATGGAACCAGTGTAGATCGGAAGAGCGGTTCAG
chr22	46628147	46628186	PPARA_11560	+	GTGACCTATGCACCAGACGTGATTTAATCTGCTGGTATCATGTCACTGACAGGCTCCTGTAGATCGGAAGAGCGGTTCAG
chr22	46631288	46631327	PPARA_11561	+	GTGACCTATGCACCAGACGTATCAGCCACACCTTTTCCAGGAGTTCTGAAGCTGACAGCAAGATCGGAAGAGCGGTTCAG
chr19	54385929	54385968	PRKCG_11562	+	GTGACCTATGCACCAGACGTGGGGCTGGGGGACTGGGGGACGAGGGGACTAGGGGTGCAGAGATCGGAAGAGCGGTTCAG
chr19	54386459	54386498	PRKCG_11563	+	GTGACCTATGCACCAGACGTGGGACCGGGGCTCCTGGGACCCTCAGGAGGGTGGAGGCTGAGATCGGAAGAGCGGTTCAG
chr19	54387508	54387547	PRKCG_11564	+	GTGACCTATGCACCAGACGTGGACACCTGGTTCTCCTCCTCGGGCCGTGCCCCCGCCCTCAGATCGGAAGAGCGGTTCAG
chr19	54393014	54393053	PRKCG_11565	+	GTGACCTATGCACCAGACGTTGGGCCTTGCCAGGGCCCTTCCAAAGCGCCCGGTCTGGGTAGATCGGAAGAGCGGTTCAG
chr19	54393282	54393321	PRKCG_11566	+	GTGACCTATGCACCAGACGTGCCCCCTCGCCTGGCCCCGCCCCCTCCCCAAGTGTGAGGCAGATCGGAAGAGCGGTTCAG
chr19	54395095	54395134	PRKCG_11567	+	GTGACCTATGCACCAGACGTGGTGCAGGGAAGGCAATGACAGCTGACAGAGAATGATCTGAGATCGGAAGAGCGGTTCAG
chr19	54395908	54395947	PRKCG_11568	+	GTGACCTATGCACCAGACGTGGGCTGGGGCCTGGGGATGGAGCGCAATATTACCATCTCCAGATCGGAAGAGCGGTTCAG
chr19	54396340	54396379	PRKCG_11569	+	GTGACCTATGCACCAGACGTCCTGGCTTCCTCAAGGGAGCCCAGCCCAGCCTCCCACGGTAGATCGGAAGAGCGGTTCAG
chr19	54396656	54396695	PRKCG_11570	+	GTGACCTATGCACCAGACGTCCAGGGCGTTGAATGGAGGCAGTTTTTGCCTACTTCTCTGAGATCGGAAGAGCGGTTCAG
chr19	54401376	54401415	PRKCG_11571	+	GTGACCTATGCACCAGACGTTGGGGTTCTGGGGGAAAGGGAGGATGTCTGTGGGAAGGTCAGATCGGAAGAGCGGTTCAG
chr19	54401893	54401932	PRKCG_11572	+	GTGACCTATGCACCAGACGTAGGGGGGCGGAGGCTGTCCTCCGGGCCCTGCCTTATCCAGTAGATCGGAAGAGCGGTTCAG
chr19	54403589	54403628	PRKCG_11573	+	GTGACCTATGCACCAGACGTGCCAACAGAGAATGGTCGGGGTGGTGGAAGGGGGCAGGATAGATCGGAAGAGCGGTTCAG
chr19	54403746	54403785	PRKCG_11574	+	GTGACCTATGCACCAGACGTCCAGGAATTTCCGTGGAGGAAATCACGCCCCTGGAAGGGAAGATCGGAAGAGCGGTTCAG
chr19	54404014	54404053	PRKCG_11575	+	GTGACCTATGCACCAGACGTCCCTGCTGCTCTGGTCACGCTTTGAGATCCCTTAGAGGGTAGATCGGAAGAGCGGTTCAG
chr19	54406418	54406457	PRKCG_11576	+	GTGACCTATGCACCAGACGTGTGGGGAGAAGCTGGCTTGGCTAAAAGAGACAGAGAGGGGAGATCGGAAGAGCGGTTCAG
chr19	54408007	54408046	PRKCG_11577	+	GTGACCTATGCACCAGACGTCCTGACTCCCAGCTTCTCCAGGCTCACAACCACACACCCCAGATCGGAAGAGCGGTTCAG
chr19	54409722	54409761	PRKCG_11578	+	GTGACCTATGCACCAGACGTCTCCAGGCAACAAAAACCTGGTCCCTGAAGGGGTGGGGTTAGATCGGAAGAGCGGTTCAG
chr19	54410160	54410199	PRKCG_11579	+	GTGACCTATGCACCAGACGTCGCCACTAGGTGTCCCCAACGTCCCCTCCGCCGTGCCGGCAGATCGGAAGAGCGGTTCAG
chr1	198666049	198666088	PTPRC_11580	+	GTGACCTATGCACCAGACGTAAAAGTTGTTAACTTAAATATCAGGGAATGTCATTTAGAAAGATCGGAAGAGCGGTTCAG
chr1	198668844	198668883	PTPRC_11581	+	GTGACCTATGCACCAGACGTCCTTTAGACTTGTGCAAATATGAAAAGTACATGACGACTAAGATCGGAAGAGCGGTTCAG
chr1	198671670	198671709	PTPRC_11582	+	GTGACCTATGCACCAGACGTGCTGCTCTAGTAGTGTCTTCAGTTATAGATAATGAAATGGAGATCGGAAGAGCGGTTCAG
chr1	198672512	198672551	PTPRC_11583	+	GTGACCTATGCACCAGACGTCCTCAGTCAGGCAGCCACACCATCCCCATGTGCCTGGTGAAGATCGGAAGAGCGGTTCAG
chr1	198673638	198673677	PTPRC_11584	+	GTGACCTATGCACCAGACGTTTACTTAGAATCAGCATACCTCACTTTGGAATAGCACTTTAGATCGGAAGAGCGGTTCAG
chr1	198677401	198677440	PTPRC_11585	+	GTGACCTATGCACCAGACGTAACATTGACCAGAGAATTTTTTTTTGTGGCACAATGTTGTAGATCGGAAGAGCGGTTCAG
chr1	198678964	198679003	PTPRC_11586	+	GTGACCTATGCACCAGACGTTACTTGCATTTATATGTAAAATTGCTTCTCTCTTCATGTTAGATCGGAAGAGCGGTTCAG
chr1	198682212	198682251	PTPRC_11587	+	GTGACCTATGCACCAGACGTTAGAATTTAATTTCATCAGAAAAGAGAAATCAAGAATTTGAGATCGGAAGAGCGGTTCAG
chr1	198685980	198686019	PTPRC_11588	+	GTGACCTATGCACCAGACGTTGTTTTAATGCTTCTTTCCATAAATGGTAAAAAGCAAGGTAGATCGGAAGAGCGGTTCAG
chr1	198687442	198687481	PTPRC_11589	+	GTGACCTATGCACCAGACGTGCTCTCTACATTACTATAGTACCAACTACATTATAATGATAGATCGGAAGAGCGGTTCAG
chr1	198698311	198698350	PTPRC_11590	+	GTGACCTATGCACCAGACGTATATTTTTGCTGATGACTATTCCTTCCCCTGCATTTGAATAGATCGGAAGAGCGGTTCAG
chr1	198700866	198700905	PTPRC_11591	+	GTGACCTATGCACCAGACGTCTTTTGTTATATGATGATAAATTCGACATCAAGACAGTTCAGATCGGAAGAGCGGTTCAG
chr1	198701530	198701569	PTPRC_11592	+	GTGACCTATGCACCAGACGTATTGAGTGCTGAATTCCCATATATTAGGCTACTTGATTATAGATCGGAAGAGCGGTTCAG
chr1	198701696	198701735	PTPRC_11593	+	GTGACCTATGCACCAGACGTATTTGCATTTTTCTTATACCTACATATTTCATTCAGCTCCAGATCGGAAGAGCGGTTCAG
chr1	198703372	198703411	PTPRC_11594	+	GTGACCTATGCACCAGACGTTGATAATCCAATATTCTTTTTGAAAAATTTTTATAGCACTAGATCGGAAGAGCGGTTCAG
chr1	198703565	198703604	PTPRC_11595	+	GTGACCTATGCACCAGACGTAGAAGATTCATAGTGTGGGTCTTGGGGTTAGGAAAACAAGAGATCGGAAGAGCGGTTCAG
chr1	198711166	198711205	PTPRC_11596	+	GTGACCTATGCACCAGACGTCGAACAAAAAAAAAAAACAACAACAAAAAAACTCCAACAGAGATCGGAAGAGCGGTTCAG
chr1	198711507	198711546	PTPRC_11597	+	GTGACCTATGCACCAGACGTACCTTTAGTGATTATTCTCACTTTGGTTTTTTGGACTTAAAGATCGGAAGAGCGGTTCAG
chr1	198717339	198717378	PTPRC_11598	+	GTGACCTATGCACCAGACGTTATTTTTTTATTTTTTGTATCAGATAAAGTTAAGCTCTTTAGATCGGAAGAGCGGTTCAG
chr1	198718689	198718728	PTPRC_11599	+	GTGACCTATGCACCAGACGTAAATTGCCAAAACCCAAGATCCAAACATTTTAAAATAATAAGATCGGAAGAGCGGTTCAG
chr1	198719766	198719805	PTPRC_11600	+	GTGACCTATGCACCAGACGTTTGAGGATTTTCTTTTAAGCCTTTCTGTCATAAAACGTCAAGATCGGAAGAGCGGTTCAG

chr1	198721511	198721550	PTPRC_11601	+	GTGACCTATGCACCAGACGTAATTTGGGGAGTATATTTCTTTGATATAATGGATCTGGTAAGATCGGAAGAGCGGTTCAG
chr1	198721912	198721951	PTPRC_11602	+	GTGACCTATGCACCAGACGTTTTGGTAGAATGTGCTCTCAAAATCATAATGCTTGACTTCAGATCGGAAGAGCGGTTCAG
chr1	198723544	198723583	PTPRC_11603	+	GTGACCTATGCACCAGACGTTTCACCATTGCTTTTAACATGCTCGGAATTTTTTTTTCTAGATCGGAAGAGCGGTTCAG
chr1	198725321	198725360	PTPRC_11604	+	GTGACCTATGCACCAGACGTAAATGAGGAAACTCCAAACCTCCTGTTAGCTGTTATTTCTAGATCGGAAGAGCGGTTCAG
chr1	44010848	44010887	PTPRF_11605	+	GTGACCTATGCACCAGACGTCCCCTCAAGGTACAGATCTCCCAGGTTGAAAGGTGGCATCAGATCGGAAGAGCGGTTCAG
chr1	44019319	44019358	PTPRF_11606	+	GTGACCTATGCACCAGACGTGGTGGGAAGGGGTCGGCAGGGCTCAGGGTCTGCCCACACTAGATCGGAAGAGCGGTTCAG
chr1	44019623	44019662	PTPRF_11607	+	GTGACCTATGCACCAGACGTGGGAGACGTGGCACGGTGGGCTGCCGGGCTGAGGCGTGGGAGATCGGAAGAGCGGTTCAG
chr1	44035460	44035499	PTPRF_11608	+	GTGACCTATGCACCAGACGTGGCAGGGGTCAAGGGGCCATGCAGACCTCAGAACAAGCGTAGATCGGAAGAGCGGTTCAG
chr1	44044602	44044641	PTPRF_11609	+	GTGACCTATGCACCAGACGTAGGCAGTGCCTGGCCCCTGTCACCACAGAGCTGTGCTGCAAGATCGGAAGAGCGGTTCAG
chr1	44054682	44054721	PTPRF_11610	+	GTGACCTATGCACCAGACGTCAGGTGCTGTAACCAGTGCCCTCCCTGTCATCTGGGAGGTAGATCGGAAGAGCGGTTCAG
chr1	44057235	44057274	PTPRF_11611	+	GTGACCTATGCACCAGACGTGCATGCCGGCTGGGCAGCCAACAGCAGAGAAGGGGAGGCTAGATCGGAAGAGCGGTTCAG
chr1	44057630	44057669	PTPRF_11612	+	GTGACCTATGCACCAGACGTGGCAGAGAAGCACTGAGGGGGTCTCCTGGTCCCTGAGGGTAGATCGGAAGAGCGGTTCAG
chr1	44063735	44063774	PTPRF_11613	+	GTGACCTATGCACCAGACGTCCACCGGGGCGGGAGGGGAGGCGTTCTGCCTCAGACACCAAGATCGGAAGAGCGGTTCAG
chr1	44064595	44064634	PTPRF_11614	+	GTGACCTATGCACCAGACGTGGGTGGTGGTGGGGTGGCAGGGTGAGCACAGACCAGCATGAGATCGGAAGAGCGGTTCAG
chr1	44067779	44067818	PTPRF_11615	+	GTGACCTATGCACCAGACGTGGTGTGCGAACGCGGACAAGACATGGGTCAAGCTGGGCTCAGATCGGAAGAGCGGTTCAG
chr1	44069215	44069254	PTPRF_11616	+	GTGACCTATGCACCAGACGTGGTCAGGACGGACCTGAGGGTGGGGCAGCAGGAGGGCAGCAGATCGGAAGAGCGGTTCAG
chr1	44069871	44069910	PTPRF_11617	+	GTGACCTATGCACCAGACGTTGGACATGGCATCCCTTCCCGAGTGTGGCTGCATCTGGGGAGATCGGAAGAGCGGTTCAG
chr1	44070682	44070721	PTPRF_11618	+	GTGACCTATGCACCAGACGTGCCACGGCCAGCTGAGCCTGGCACACACACAGGCCTGCTGAGATCGGAAGAGCGGTTCAG
chr1	44071125	44071164	PTPRF_11619	+	GTGACCTATGCACCAGACGTGAGGTATCGGGGGAGGCGGGGCAGGGCTGGAGGTAACCAGAGATCGGAAGAGCGGTTCAG
chr1	44071304	44071343	PTPRF_11620	+	GTGACCTATGCACCAGACGTAGGGGATGGGGACACTGACAGCCCCATTGCAGTGGTCAGCAGATCGGAAGAGCGGTTCAG
chr1	44072140	44072179	PTPRF_11621	+	GTGACCTATGCACCAGACGTGCCGGCTTGGCTGTCAGCACCCTGATTCCCTGGGCCTGGCAGATCGGAAGAGCGGTTCAG
chr1	44072650	44072689	PTPRF_11622	+	GTGACCTATGCACCAGACGTCCCTCAGAGCTCCGGGAACGGCCACCTGCCCCTCGCCTTTAGATCGGAAGAGCGGTTCAG
chr1	44075180	44075219	PTPRF_11623	+	GTGACCTATGCACCAGACGTCCTATGGCCTGTGTGCCCCCAGCCCAGACCTAGCAGGCCTAGATCGGAAGAGCGGTTCAG
chr1	44079397	44079436	PTPRF_11624	+	GTGACCTATGCACCAGACGTCCCGCCCCCTACCATGTGCCTGGCCCAGGCCTACCCAAACAGATCGGAAGAGCGGTTCAG
chr1	44083250	44083289	PTPRF_11625	+	GTGACCTATGCACCAGACGTGGGGTGCCCCTCCCATCCCCTTGCTCTCCCCCTTGCTAGCAGATCGGAAGAGCGGTTCAG
chr1	44083593	44083632	PTPRF_11626	+	GTGACCTATGCACCAGACGTAGGGCCCTGCCAGGAGGCGGGTGGGAAATGCCCAGCCACAAGATCGGAAGAGCGGTTCAG
chr1	44084431	44084470	PTPRF_11627	+	GTGACCTATGCACCAGACGTTCCCCAGTGCATATCTCTTACCCAGACACTGTAAGGACAGAGATCGGAAGAGCGGTTCAG
chr1	44084884	44084923	PTPRF_11628	+	GTGACCTATGCACCAGACGTACAGTGCCACCCAGAGGGGTGGGTGGGGTGGGAGGTGGGGAGATCGGAAGAGCGGTTCAG
chr1	44085255	44085294	PTPRF_11629	+	GTGACCTATGCACCAGACGTGGTGGGCCTGCTTGGCTCCAGGGCCTAGACTGGGTCATGCAGATCGGAAGAGCGGTTCAG
chr1	44085540	44085579	PTPRF_11630	+	GTGACCTATGCACCAGACGTATGTCACTGCCCCACCATGCCCTACAGGGGCCTAGGCCTGAGATCGGAAGAGCGGTTCAG
chr1	44085903	44085942	PTPRF_11631	+	GTGACCTATGCACCAGACGTCCTTTCCCCCAGGGCCCCTGTCATACCTGGGAGAACACCAAGATCGGAAGAGCGGTTCAG
chr1	44086261	44086300	PTPRF_11632	+	GTGACCTATGCACCAGACGTGCATTGAGTGTGTCCATAACGCTGCCTGTCCACACGCTGGAGATCGGAAGAGCGGTTCAG
chr1	44086674	44086713	PTPRF_11633	+	GTGACCTATGCACCAGACGTCCCCCTGGAGGGCTGGGGTGGGTGGGCCTGAAGGCCTGGCAGATCGGAAGAGCGGTTCAG
chr1	44086914	44086953	PTPRF_11634	+	GTGACCTATGCACCAGACGTCCAGGCTGCAGGGCCAGGGCCTTGGCAGCAGCGCTGCTGGAGATCGGAAGAGCGGTTCAG
chr1	44087685	44087724	PTPRF_11635	+	GTGACCTATGCACCAGACGTCCTCTCCTCCGCCACCCCCGCCGTGGGGCTCCGGAGGGGAAGATCGGAAGAGCGGTTCAG
chr1	44056944	44056983	PTPRF_11636	+	GTGACCTATGCACCAGACGTGCGCCGCGTGCAGGCACGCATGCTGAGCGCCAGCACCATGAGATCGGAAGAGCGGTTCAG
chr1	44069581	44069620	PTPRF_11637	+	GTGACCTATGCACCAGACGTCAAAACCTGCATGTGACAGGACTGACCACGTCTACCACAGAGATCGGAAGAGCGGTTCAG
chr3	12626167	12626206	RAF1_11638	+	GTGACCTATGCACCAGACGTGCCCAAGAATGCTCTCATTAGCTGTGTCTCAAAGACACAGAGATCGGAAGAGCGGTTCAG
chr3	12626491	12626530	RAF1_11639	+	GTGACCTATGCACCAGACGTGAAAACAGCTGAGCTAATGGGGGGTGAATGAACAACAGATAGATCGGAAGAGCGGTTCAG
chr3	12626763	12626802	RAF1_11640	+	GTGACCTATGCACCAGACGTCACCATATGACAAAAGTGCATTTATCACCATATGACAGGCAGATCGGAAGAGCGGTTCAG
chr3	12627309	12627348	RAF1_11641	+	GTGACCTATGCACCAGACGTGTTAAGGACTCTGGTTTCAAAAGAATGGTCAGGTTAATTTAGATCGGAAGAGCGGTTCAG
chr3	12629147	12629186	RAF1_11642	+	GTGACCTATGCACCAGACGTAAAAGAAATTATTAAAAATAAGTTTGAGGGGCATGAGTAGAGATCGGAAGAGCGGTTCAG
chr3	12633302	12633341	RAF1_11643	+	GTGACCTATGCACCAGACGTAGTTGGCAGTCAGTGCAATCAGTTGAATGATCTCAGTCTTAGATCGGAAGAGCGGTTCAG
chr3	12641318	12641357	RAF1_11644	+	GTGACCTATGCACCAGACGTTAGAGATCATTATTATACTCCATGCAATGGTAATAATCTTAGATCGGAAGAGCGGTTCAG
chr3	12641789	12641828	RAF1_11645	+	GTGACCTATGCACCAGACGTAAGACAAACAGAAGCCACACAAGGATAAGCCAACAGAAGAAGATCGGAAGAGCGGTTCAG
chr3	12641925	12641964	RAF1_11646	+	GTGACCTATGCACCAGACGTAAAGGAAAGCTGGTCAACTCCTACACACAAAAGATTTTCTAGATCGGAAGAGCGGTTCAG
chr3	12645799	12645838	RAF1_11647	+	GTGACCTATGCACCAGACGTAAAGAAAATTCCATGATTGGCACTTAGGCTTTCATACTGGAGATCGGAAGAGCGGTTCAG
chr3	12647809	12647848	RAF1_11648	+	GTGACCTATGCACCAGACGTGCAGGGAAAGACTGGTTTTTAGGCTTGCAGTAATCTTACAAGATCGGAAGAGCGGTTCAG
chr3	12650433	12650472	RAF1_11649	+	GTGACCTATGCACCAGACGTAACACAGGTGTAAATTATGCTGAATAAATAAAAGATGACAAGATCGGAAGAGCGGTTCAG
chr3	12650845	12650884	RAF1_11650	+	GTGACCTATGCACCAGACGTTTTAAAAAAAACATGAAATGTTTAAACAAGATCAAAGTTCAGATCGGAAGAGCGGTTCAG
chr3	12653572	12653611	RAF1_11651	+	GTGACCTATGCACCAGACGTAGGACCACCTTTAGGACCAACACAGGCTGCAGCACCCCTTAGATCGGAAGAGCGGTTCAG
chr3	12660231	12660270	RAF1_11652	+	GTGACCTATGCACCAGACGTTAAACAATTCTTAAACCTGGTAAGAAACACAAATAATTGTAGATCGGAAGAGCGGTTCAG
chr7	128829334	128829373	SMO_11653	+	GTGACCTATGCACCAGACGTCGGAGCCGGGTCTGGGGGGCGGGAGGTGCCGCGGTAAGATAGATCGGAAGAGCGGTTCAG
chr7	128843441	128843480	SMO_11654	+	GTGACCTATGCACCAGACGTTGTGAGACAAGGTCCAGGCTCTCTGGGTTGGGCAGGACCGAGATCGGAAGAGCGGTTCAG
chr7	128845264	128845303	SMO_11655	+	GTGACCTATGCACCAGACGTGGAGGGCAGGCCCGGGGGGCCCTCAGCCTGGAACGTGGGAAGATCGGAAGAGCGGTTCAG
chr7	128845634	128845673	SMO_11656	+	GTGACCTATGCACCAGACGTTGGGGACCCAGAGGTGAAGGTACAGGGAGGAAGGCTGAAGAGATCGGAAGAGCGGTTCAG
chr7	128846221	128846260	SMO_11657	+	GTGACCTATGCACCAGACGTTGGTAGGAACGGGAGACCTGGATGGGGTGAGTTTGAGGGAAGATCGGAAGAGCGGTTCAG
chr7	128846439	128846478	SMO_11658	+	GTGACCTATGCACCAGACGTACCAGGCCAGGACCAGTTGGGCAACAAAATATACTGGGCAAGATCGGAAGAGCGGTTCAG

chr7	128848703	128848742	SMO_11659	+	GTGACCTATGCACCAGACGTCCGGGGGACTTCGGTCTGAGGTCCTGGCCAGCCCAACACTAGATCGGAAGAGCGGTTCAG
chr7	128849249	128849288	SMO_11660	+	GTGACCTATGCACCAGACGTGGCATGGAGGCGGCAGTGCTGGGAGCTGGAGCCAAGGCCAAGATCGGAAGAGCGGTTCAG
chr7	128850400	128850439	SMO_11661	+	GTGACCTATGCACCAGACGTCAGCCAGCCCCTCCTGCCCTGCCCGCCTCACCCTCAGCCTAGATCGGAAGAGCGGTTCAG
chr7	128850965	128851004	SMO_11662	+	GTGACCTATGCACCAGACGTCCCCTCCTCTACCGGAGCCGCCTGGCCCCGCGCTGCCCATAGATCGGAAGAGCGGTTCAG
chr7	128851622	128851661	SMO_11663	+	GTGACCTATGCACCAGACGTTCAAGCTTCTGGAGGAAGGTGGGGGGAGCACAGAGGCTGGAGATCGGAAGAGCGGTTCAG
chr7	128852303	128852342	SMO_11664	+	GTGACCTATGCACCAGACGTCAGGACCTGGGACAGGAAAGAGAGGAACCAATACCTTCAAAGATCGGAAGAGCGGTTCAG
chr10	104264102	104264141	SUFU_11665	+	GTGACCTATGCACCAGACGTGGCCGCGGGGAGACGGACAGGCGCGGGCTGGAAAGGGTTAAGATCGGAAGAGCGGTTCAG
chr10	104269071	104269110	SUFU_11666	+	GTGACCTATGCACCAGACGTGCCACCTGTTCTTTATCCAGAGCCTTATTCCTGAGGTCTTAGATCGGAAGAGCGGTTCAG
chr10	104309874	104309913	SUFU_11667	+	GTGACCTATGCACCAGACGTAGGGCTGGCTGCTGTGCTGGTCCTTTTGCCATGAGCCTGGAGATCGGAAGAGCGGTTCAG
chr10	104352492	104352531	SUFU_11668	+	GTGACCTATGCACCAGACGTGGTTGGACGCTGGCTCAAGCCTTCCTGTGGGAAGGGTCCTAGATCGGAAGAGCGGTTCAG
chr10	104353489	104353528	SUFU_11669	+	GTGACCTATGCACCAGACGTATGCAAGGTGGGAGCGCGGCTCCCTGGGCCTGGGGGTGGGAGATCGGAAGAGCGGTTCAG
chr10	104353833	104353872	SUFU_11670	+	GTGACCTATGCACCAGACGTAGTGAGGAAAACCTTTCTAGCACCCTGTGCCTAGGCCTCTAGATCGGAAGAGCGGTTCAG
chr10	104357061	104357100	SUFU_11671	+	GTGACCTATGCACCAGACGTTCACTCAGCATTCCACCAGCCTTCCTCCTTCCTTTTCCCCAGATCGGAAGAGCGGTTCAG
chr10	104359312	104359351	SUFU_11672	+	GTGACCTATGCACCAGACGTCAGTGTCCCTGGGCTGGAACAAGAGGACGACTTTTTTCTGAGATCGGAAGAGCGGTTCAG
chr10	104375170	104375209	SUFU_11673	+	GTGACCTATGCACCAGACGTCAGCCCTGCCACACAGTTTACCCCACAGCACCCAGCTCAGAGATCGGAAGAGCGGTTCAG
chr10	104377196	104377235	SUFU_11674	+	GTGACCTATGCACCAGACGTCCTTTTTCTTCTCCCTCCTTCCTTTCATAGACTTCCTTGCAGATCGGAAGAGCGGTTCAG
chr10	104389923	104389962	SUFU_11675	+	GTGACCTATGCACCAGACGTGCCCTGCAGTGGCCAGCAGGGAGCCCAGCTGCTCCCCAGTAGATCGGAAGAGCGGTTCAG
chr1	47685857	47685896	TAL1_11676	+	GTGACCTATGCACCAGACGTGGAGGACAAGAGTTAGGAGAATGGGCTTGAGATTCCTTCCAGATCGGAAGAGCGGTTCAG
chr1	47689781	47689820	TAL1_11677	+	GTGACCTATGCACCAGACGTGAACGGGCAGATCACAAGATCCCATGTTGAGGGGAGGGGAAGATCGGAAGAGCGGTTCAG
chr1	47691571	47691610	TAL1_11678	+	GTGACCTATGCACCAGACGTGACAGACAGACAAGCGGATGCCCGCTCTGACGACCGCCCCAGATCGGAAGAGCGGTTCAG
chr14	76425699	76425738	TGFB3_11679	+	GTGACCTATGCACCAGACGTACATGTCAGTGAGAGGTTGGAAGGCCAAGTCTCAGGCCTGAGATCGGAAGAGCGGTTCAG
chr14	76427430	76427469	TGFB3_11680	+	GTGACCTATGCACCAGACGTAAACATTTATAGAAAATCAACTTAAAACCACCAATAAAAGAGATCGGAAGAGCGGTTCAG
chr14	76429841	76429880	TGFB3_11681	+	GTGACCTATGCACCAGACGTGAAGGAAAGTGACAATCTCCTGTCTGAAGAGAGCAGAGCCAGATCGGAAGAGCGGTTCAG
chr14	76432049	76432088	TGFB3_11682	+	GTGACCTATGCACCAGACGTAGACAGAATTAGTGAGAAAAGCACCTCTGTGTGATGGGGAAGATCGGAAGAGCGGTTCAG
chr14	76437609	76437648	TGFB3_11683	+	GTGACCTATGCACCAGACGTGAGAAAGGAGTGAGTACCCGAGACCAGGACAGAGTGCCCCAGATCGGAAGAGCGGTTCAG
chr14	76438072	76438111	TGFB3_11684	+	GTGACCTATGCACCAGACGTAAGCAGAGCAGAGGGCACAGCATGAGCGAGACATGCAGGAAGATCGGAAGAGCGGTTCAG
chr14	76447247	76447286	TGFB3_11685	+	GTGACCTATGCACCAGACGTGGAAGAGAGGCCAGGGGGACGGCAAGGCCTGGAGAGGAAGAGATCGGAAGAGCGGTTCAG
chr17	76171042	76171081	TK1_11686	+	GTGACCTATGCACCAGACGTGGACAGGGGATGGGTGAAGGGCCAGGACAGGAAGGAGGCAAGATCGGAAGAGCGGTTCAG
chr17	76171261	76171300	TK1_11687	+	GTGACCTATGCACCAGACGTATGGAAAGACAGAGGGCGCTCAGCCACCTTACCAGGTGGGAGATCGGAAGAGCGGTTCAG
chr17	76171710	76171749	TK1_11688	+	GTGACCTATGCACCAGACGTCACGTGGAGAAAGAGTGTGAGAGCTTCCACCCCAGCAGCAAGATCGGAAGAGCGGTTCAG
chr17	76178774	76178813	TK1_11689	+	GTGACCTATGCACCAGACGTAAAGCCAGAGCGTGAGCAGGGCCAGGGAGGCCAGAAGCCAAGATCGGAAGAGCGGTTCAG
chr17	76181257	76181296	TK1_11690	+	GTGACCTATGCACCAGACGTAGAGAGGGTCAGGTGAGGTCCACGGCGGGAGGAGTGGGAGAGATCGGAAGAGCGGTTCAG
chr17	76182910	76182949	TK1_11691	+	GTGACCTATGCACCAGACGTAGGTGAGGTCATTTGAGGGCCCGCCCTGCGCGGATGCCTGAGATCGGAAGAGCGGTTCAG
chr17	76183086	76183125	TK1_11692	+	GTGACCTATGCACCAGACGTGGAAGTTCACGAACCCGAGTACTCTCCAAGGCCGTCCCGCAGATCGGAAGAGCGGTTCAG
chr12	48238799	48238838	VDR_11693	+	GTGACCTATGCACCAGACGTGGGGATAGAGAAGAAGGCACAGGAGCTCTCAGCTGGGCCCAGATCGGAAGAGCGGTTCAG
chr12	48240245	48240284	VDR_11694	+	GTGACCTATGCACCAGACGTCAATGGCCAGGTACTGCGGGCAGAGCTGAGGAGCCGCCCAAGATCGGAAGAGCGGTTCAG
chr12	48240602	48240641	VDR_11695	+	GTGACCTATGCACCAGACGTGGGAGGGAAGGAGGTCAGGTTACCAGTAAACGCCTTCAAGAGATCGGAAGAGCGGTTCAG
chr12	48249595	48249634	VDR_11696	+	GTGACCTATGCACCAGACGTTGAGGGAAGAGAAGGAGCTATTTAAGGATACTTGGACCAGAGATCGGAAGAGCGGTTCAG
chr12	48251043	48251082	VDR_11697	+	GTGACCTATGCACCAGACGTAAGATGGGGTCTCAGACCCACATTTTGGGGTTGCCTTCCTAGATCGGAAGAGCGGTTCAG
chr12	48251482	48251521	VDR_11698	+	GTGACCTATGCACCAGACGTGGAAGGGGAGTCAGGAGGGCTGGCCAGCAGCTCCTCCAGGAGATCGGAAGAGCGGTTCAG
chr12	48258971	48259010	VDR_11699	+	GTGACCTATGCACCAGACGTAGCACACACCCTGCCCTGGGTCACTGAACTTCCGGCTCCTAGATCGGAAGAGCGGTTCAG
chr12	48272907	48272946	VDR_11700	+	GTGACCTATGCACCAGACGTACAGCAAGCAGGCCACGGTCAGAGCCAGAGTCAGTGCCAGAGATCGGAAGAGCGGTTCAG
chr4	89013544	89013583	ABCG2_11701	+	GTGACCTATGCACCAGACGTACAGAAAAAGAATATAACTTCATTCCTAGCATCCGTCAAAAGATCGGAAGAGCGGTTCAG
chr4	89015822	89015861	ABCG2_11702	+	GTGACCTATGCACCAGACGTAGTGGGAGCAGGGCAAGGTAAACAGTTTTAAATTTCAAGAAGATCGGAAGAGCGGTTCAG
chr4	89016772	89016811	ABCG2_11703	+	GTGACCTATGCACCAGACGTCAAATACTAAAAGTCAGGCCTGCTTGAGTAATTTCATGCAAGATCGGAAGAGCGGTTCAG
chr4	89018770	89018809	ABCG2_11704	+	GTGACCTATGCACCAGACGTAAGAGAAGAAGTAGTTAACCCAACTGCCTAGGTCACCGTAAGATCGGAAGAGCGGTTCAG
chr4	89020611	89020650	ABCG2_11705	+	GTGACCTATGCACCAGACGTAAAATACGTATCATACATCCAAGATTAGTTTAAGAAGCCAAGATCGGAAGAGCGGTTCAG
chr4	89022482	89022521	ABCG2_11706	+	GTGACCTATGCACCAGACGTAAGGGGAACCAAATCACCGCAGTCAACTCAGCATTCTTAGAGATCGGAAGAGCGGTTCAG
chr4	89028429	89028468	ABCG2_11707	+	GTGACCTATGCACCAGACGTAGAAAAATGCAAAAAAAGGGGAAGAGTTTCAATTAGAGATAGATCGGAAGAGCGGTTCAG
chr4	89034716	89034755	ABCG2_11708	+	GTGACCTATGCACCAGACGTAGTGGATAAAAAGGAAACACAAACAAGATAACAACAAATTAGATCGGAAGAGCGGTTCAG
chr4	89036221	89036260	ABCG2_11709	+	GTGACCTATGCACCAGACGTAGGCAGCTCAAAAACACAAACTTGATGGTCTTGGAAAACAAGATCGGAAGAGCGGTTCAG
chr4	89039423	89039462	ABCG2_11710	+	GTGACCTATGCACCAGACGTAGTGAGACAATACTAAGTCATTAAATATCTGAAACTTGTAAGATCGGAAGAGCGGTTCAG
chr4	89052376	89052415	ABCG2_11711	+	GTGACCTATGCACCAGACGTATAGCATTTTAATGAGACATAATGATAATGAGTCTTTTCTAGATCGGAAGAGCGGTTCAG
chr4	89053080	89053119	ABCG2_11712	+	GTGACCTATGCACCAGACGTACATATATGTTGTGGGTCTAATAACCTATAAGAGAATATAAGATCGGAAGAGCGGTTCAG
chr4	89053798	89053837	ABCG2_11713	+	GTGACCTATGCACCAGACGTAAAAACAGACTGATTTACTATTCCATTTTAAGTCAGGTTCAGATCGGAAGAGCGGTTCAG
chr4	89061158	89061197	ABCG2_11714	+	GTGACCTATGCACCAGACGTTTTATCTTTCTGCAGACAGAAAAGCAATAGTAAGTTGATAAGATCGGAAGAGCGGTTCAG
chr5	131290075	131290114	ACSL6_11715	+	GTGACCTATGCACCAGACGTAATGCAGAAAACATCTTTAACAGGAATAGAACACAGTATTAGATCGGAAGAGCGGTTCAG
chr5	131295311	131295350	ACSL6_11716	+	GTGACCTATGCACCAGACGTCCATATGAGAAAAATTACAAGACAAGAACACATTTCAAAAAGATCGGAAGAGCGGTTCAG

chr5	131296325	131296364	ACSL6_11717	+	GTGACCTATGCACCAGACGTCACCAAAGGAGAACACAGTCATGACAAATGCATTTAAAGTAGATCGGAAGAGCGGTTCAG
chr5	131298382	131298421	ACSL6_11718	+	GTGACCTATGCACCAGACGTGGACAAACAGCTTTATAAGAACATGGCACTCTCAAGCCTGAGATCGGAAGAGCGGTTCAG
chr5	131302236	131302275	ACSL6_11719	+	GTGACCTATGCACCAGACGTAAAACCATGGCTTCTCTCAGCCACATCATGAGGAATCAGGAGATCGGAAGAGCGGTTCAG
chr5	131305904	131305943	ACSL6_11720	+	GTGACCTATGCACCAGACGTAACACAGAAGCCACACTATGGGCACACACCCTCCAAGAGCAGATCGGAAGAGCGGTTCAG
chr5	131307349	131307388	ACSL6_11721	+	GTGACCTATGCACCAGACGTAAAGAAGAGCTGCCAAATTTTGTGATGTCTGAGATGGTGTAGATCGGAAGAGCGGTTCAG
chr5	131308562	131308601	ACSL6_11722	+	GTGACCTATGCACCAGACGTTAAGTTGGAAGCAGCTGTCAGAGCCTGAATGTCTCATTTCAGATCGGAAGAGCGGTTCAG
chr5	131309104	131309143	ACSL6_11723	+	GTGACCTATGCACCAGACGTAGGACAGGAAGGGAGGAGTCCCTTAGGGTGGTCACTACTGAGATCGGAAGAGCGGTTCAG
chr5	131310539	131310578	ACSL6_11724	+	GTGACCTATGCACCAGACGTAAAGAAGGAGCCCAGGCAAGGCCCGGTCAGTCAGGTGGGTAGATCGGAAGAGCGGTTCAG
chr5	131310674	131310713	ACSL6_11725	+	GTGACCTATGCACCAGACGTCGGGCATGGGAGACAGAAAGGAAAGAAACACTGACAGGAAAGATCGGAAGAGCGGTTCAG
chr5	131312425	131312464	ACSL6_11726	+	GTGACCTATGCACCAGACGTAAAGCAAGAAGTCAAATTAGTTGGAAACTCAAGGGCCACTAGATCGGAAGAGCGGTTCAG
chr5	131321162	131321201	ACSL6_11727	+	GTGACCTATGCACCAGACGTGAGAAGAGGAGTGTGTTAGGGAGACCCAGTGTGGCCAGCCAGATCGGAAGAGCGGTTCAG
chr5	131323930	131323969	ACSL6_11728	+	GTGACCTATGCACCAGACGTCCATCAAGGAGAGTCAGGCCATGTGGGCCCAGGTCATGAGAGATCGGAAGAGCGGTTCAG
chr5	131324608	131324647	ACSL6_11729	+	GTGACCTATGCACCAGACGTACATGAGGCGGGGGTGGGGAAGAAGGGGAGATTAGAGGGCAGATCGGAAGAGCGGTTCAG
chr5	131325212	131325251	ACSL6_11730	+	GTGACCTATGCACCAGACGTATGTGGGGAAGTGATGGGAAAACAAGGACTCTTCAACAGGAGATCGGAAGAGCGGTTCAG
chr5	131325868	131325907	ACSL6_11731	+	GTGACCTATGCACCAGACGTATAAGAAAGCCTTGTGTCAGAGAGGGGTCAGAGTGGGTGTAGATCGGAAGAGCGGTTCAG
chr5	131326671	131326710	ACSL6_11732	+	GTGACCTATGCACCAGACGTAGCACCGGCCAGAGAAGTTGGCTGAGGCAGGTAGGGGTGCAGATCGGAAGAGCGGTTCAG
chr5	131329955	131329994	ACSL6_11733	+	GTGACCTATGCACCAGACGTCAAGAGTCAGATAAGGCAAGAGACCTGACGGGCAGGTTAGAGATCGGAAGAGCGGTTCAG
chr20	43248499	43248538	ADA_11734	+	GTGACCTATGCACCAGACGTGTTCAGAGAAGCAAAAAGATCAGGCAACTTGTAGTACCCAAGATCGGAAGAGCGGTTCAG
chr20	43251304	43251343	ADA_11735	+	GTGACCTATGCACCAGACGTAGGTGTGTGGCTGGCAGGGATGGCCCCAGGCCATGCTGATAGATCGGAAGAGCGGTTCAG
chr20	43251582	43251621	ADA_11736	+	GTGACCTATGCACCAGACGTGCAGAATAGAGCCAAGTATGGGAGGAGGCAGTGAGGAGGGAGATCGGAAGAGCGGTTCAG
chr20	43251730	43251769	ADA_11737	+	GTGACCTATGCACCAGACGTGAGAGCCAGGTCATGGGTGCCCTAGCGGGAGGGCCCCGGCAGATCGGAAGAGCGGTTCAG
chr20	43252981	43253020	ADA_11738	+	GTGACCTATGCACCAGACGTGATGCCCACCCAGGCTCTGTCACCAGCACCATGGAGAGACAGATCGGAAGAGCGGTTCAG
chr20	43254336	43254375	ADA_11739	+	GTGACCTATGCACCAGACGTAGAGGAGTAGGGATGGGCCTGAGGCAAAAGGAAGGCCTAAAGATCGGAAGAGCGGTTCAG
chr20	43255251	43255290	ADA_11740	+	GTGACCTATGCACCAGACGTAAGAAAGGGGTTGGGAACAACCTTCCCCAAGTCCCTTGGGAGATCGGAAGAGCGGTTCAG
chr20	43257821	43257860	ADA_11741	+	GTGACCTATGCACCAGACGTAACAGTGAGTGGTGGACCAACCCGGGGCAGGATCCAGGCAAGATCGGAAGAGCGGTTCAG
chr20	43280259	43280298	ADA_11742	+	GTGACCTATGCACCAGACGTTGCGCCCCGGCGCTGCTCCCTCCGCCGCCGCTCGGTGGGTAGATCGGAAGAGCGGTTCAG