

Consensus_HERV-H/1-8613	C TCTTTTT C A T CA A AT C CA A AA A CC C AG C CA G TT C AT G GC T CA T TC G GC A GC A ACC T GC A GC G TT A CA G CC T AG A CC T AA A AG T CA A AG G CC G T T AT C CT C AA T TA C A T TT T TT A CC CA AT C T G CT C CA AA C A TT A AA T AA A	2106
chr5_7262317-7262762/21-466	-----	20
AC226159.3_c6295-555/1-5741	C TCTTTTT C A T CA A AT C CA A AA A CC C AG C CA G TT C AT G GC T CA T TC G GC A GC A ACC T GC A GC G TT A CA G CC T AG A CC T AA A AG T CA A AG G CC G T T AT C CT C AA T TA C A T TT T TT A CC CA AT C T G CT C CA AA C A TT A AA T AA A	2096
Consensus_HERV-H/1-8613	A CT C CA AA AA T TA A AT T C T GG CC T C AA AC CC C CA CA AG G AT T AA TT AA CC T C AC CT TC AA GG T GT CA AA - TA AT GA AAA -----	2233
chr5_7262317-7262762/21-466	-----	20
AC226159.3_c6295-555/1-5741	A CT C CA AA AA T TA A AT T C T GG CC T C AA AC CC C CA CA AG G AT T AA TT AA CC T C AC CT TC AA GG T GT CA AA TT AA T AG AG T AG AG G CA GC CA AG TA GC AA CA TA TT TT CT GA GT TC G AT TT CT TT GC CT CA CT GT GA GA CA AA CC CC AG CT CA	2251
Consensus_HERV-H/1-8613	T CT CC AG CA CA C AAG AA CT T CG AA AT G CC T CA AC CT C AG G T G CC AG GG G TT C CT CC CA GA AC CT TC T CC CC CA GG AG CT TC G CA AG T CC AG AA AT CT GG CC AC T GG G CC AA GG AA T G CC CA CA GA CC AG GA TT CT CC T CA AG CT GT AT CC CA T	2388
chr5_7262317-7262762/21-466	-----	20
AC226159.3_c6295-555/1-5741	T CT CC AG CA CA C AAG AA CT CC -AA AC GC CT GA AC CG C AG T GC CA GG G TT T CT CC AG AA CT CC T CC CC CA GG AG CT TC CA AG T CC GG AA AT CT GG CC AC T GG G CC AA GG AA T G CC CA AG CC CA AG TT CT TC T AG CC AT GT CC CA T	2405
Consensus_HERV-H/1-8613	C TCTGTGGG A CC CC CA T TA AA AA T CA GA CT G TT CA AC T CA CC T G GC AG CC AC TT CC AG AG CC CC CG AA CT TA GC CC AA GG CT CT CG AC T GA CC CC TT CT GA T CT TT CT GG CT TA GC AG CT GA CA CT G CC AG AT CG CC T CG AA G	2543
chr5_7262317-7262762/21-466	-----	20
AC226159.3_c6295-555/1-5741	C TGTGTGGG A CC CC CA T CT GA AA AT T G CA CT G TT CA AC T CA CC T GC AG CC AC TT CC AG AG CC CC CG AA CT TA GC CC AA GG CT CT CG AC T GA CC CC TT CT GA T CT TT CT GG CT TA GC AG CT GA CA CT G CC AG AT CG CC T CG AA G	2560
Consensus_HERV-H/1-8613	C CT CA GG AC CA T CA C AG AT GC T CC AG TA ACT CT CA CA GT AG GG GT AA GT CT GT CC CC T TC T AA T CA AT TA GG AG GT AC CC CA T GC CA TA TT AC CT TT CT TT CA GG CC CT GT TT CC TT G CC T CCA T AA CT GT T GT GG GT AT T G AG CC CA	2698
chr5_7262317-7262762/21-466	-----	20
AC226159.3_c6295-555/1-5741	C CT CA GG AC CA T CA C AG AT GC T CC AG TA ACT CT CA CA GT AG GG GT AA GT CT GT CC CC T TC T AA T CA AT TA GG AG GT AC CC CA T GC CA TA TT AC CT TT CT TT CA GG CC CT GT TT CC TT G CC T CCA T AA CT GT T GT GG GT AT T G AG CC CA	2711
Consensus_HERV-H/1-8613	G GC TT CT AA AC CT CT T AA AA CT CC CC AA CT CT AG TA CC AA CT T AG CA AA T CT CT TT TA AG CA CT CC TT TT AG TT AT CC CA CT TC G CC CA GT CC TT TA GG CC GA G AC ACT TC AA CT AA TT A CT GC TT CC CT GA CT ATT CT GG ACT AC	2853
chr5_7262317-7262762/21-466	-----	20
AC226159.3_c6295-555/1-5741	G GC TT CT AA AC CT CT T AA AA CT CC CC AA CT CT AG TA CC AA CT T AG CA AA T CT CT TT TA AG CA CT CC TT TT AG TT AT CC CA CT TC G CC CA GT CC TT TA GG CC GA G AC ACT TC AA CT AA TT A CT GC TT CC CT GA CT ATT CT GG ACT AC	2862
Consensus_HERV-H/1-8613	A GC T AC AT CT CA TT G CT G CC TT CT CC CA AT CC AA AG CC CT CT TT G CA T CT TT ---CT T GT AT CC CC CA AC TT AA CC CA AG T ATA AG ATA CC CT CT AT TC CC CT CT TT GG T GA CC AA CT CA T GC AC CC CT TA CC AT CT CA TT AA AA CC T AA T CA C	3005
chr5_7262317-7262762/21-466	-----	20
AC226159.3_c6295-555/1-5741	A GC T AC AT CT CA TT G CC AT CT TT CC CA AT CC AA AG CC CT CT TT G CA T CT TT --- CT T GT AT CC CC CA AC TT AA CC CA AG T ATA AG ATA CC CT CT AT TC CC CT CT TT GG T GA CC AA CT CA T GC AC CC CT TA CC AT CT CA TT AA AA CC T AA T CA C	3017
Consensus_HERV-H/1-8613	T CT T AC CC GG CT CA AT GC CA AG AT CC AT CC CA CA G CA T CT TT AA AA GG AT TA AA AA CT GT TA CA CT CG CC T G CT AG AG CA T G CC CT TT TA AA GG CC TA TA AA CT CT CT TA CA AT CC CC CA TT TT TA CC T GT CC T AG AA CC AG CA AG CC TT A	3160
chr5_7262317-7262762/21-466	-----	20
AC226159.3_c6295-555/1-5741	T CT T AC CC GG CT CA AT GC CA AG AT CC AT CC CA CA G CA T CT TT AA AA GG AT TA AA AA CT GT TA CA CT CG CC T G CT AG AG CA T G CC CT TT TA AA GG CC TA TA AA CT CT CT TA CA AT CC CC CA TT TT TA CC T GT CC T AG AA CC AG CA AG CC TT A	3170
Consensus_HERV-H/1-8613	C AG---G TT CA GG AT CT GT GT CT T AT CA TA GA AA TT GT TT CC CT AT CC AC CC T G T G GT CT GA CC CA TA TA CT CT CT AT CC CA AT AC CT CC CT CA AA CC CA TT AT TC T GT TT CT AG AT CT CA AA CA T GC TT CT TT CA TA CC CT TT AC	3311
chr5_7262317-7262762/21-466	-----	20
AC226159.3_c6295-555/1-5741	C AG GT TA GT TC AG AA T CT AG CC CT TA CA CC AA AT GT TT TT GC CT AT CC AC CC CT G T T GC CA AA AC CA TA TA CT CT CT TA CC CA AT AC CT CC CT CA AA CC CA TT AT TC T GT T CT GG AT CT CA AA CA T GC TT CT TT TA ----- TT GC	3317
Consensus_HERV-H/1-8613	A CC CT TC AA CC CA GC CT CT TT CG TTTT CA CC T G GA CT GA CC CT GA CA CC CA TC AG T CC CA GC AG CT TA CC T GG G CT GT AA T GC T GC AA GG TT CA GG GG CA GC CT TA TT AT TT CA GC CA AG CT CT TT CT CA T GA TT TA CT TT CT TT CC CC CC	3466
chr5_7262317-7262762/21-466	-----	20
AC226159.3_c6295-555/1-5741	A CC CT TC CA CC CA GC CT CT TT CC CT TT CA CT TA GA CT GA CC CT GA CA CC CA TC AG G CT CA GC AA TT AC CT GG CT GT AT TT GC CA AG G CT TT TC AG AT AG CC CC CA TT ACT TT CA G TC	3437
Consensus_HERV-H/1-8613	T CC ACT TC CA CC T TA TT CA A T AT TT GG T GA T GT CT TT CT TT GT AG CC CC CT CC TT T GA T CT TT CT CA CA AG CA C ACT TT CT GC CT TC AG CA TT TA TT CT CC AA GG AT AT CC CC CT CC AA AG CT CA AA T GT CT TT CT CC AT CC GT TA CC TA C	3621
chr5_7262317-7262762/21-466	-----	20
AC226159.3_c6295-555/1-5741	-----	3469
Consensus_HERV-H/1-8613	C TT GG CA T AA TT CT TC ATA AA AA CA CA C GT CC CC T CC CT CT CT GA T AG T GT CT GA CT GA T CT CT CA AA CC CA AC CC CT CT CA AA CA CA CA CT CT TT CC AT CC T AG CA TT TA TT CT CC AA GG AT AT CC CC CT CC AA AG CT CA AA T GT CT TT CT CC AT CC GT TA CC TA C	3776
chr5_7262317-7262762/21-466	-----	20
AC226159.3_c6295-555/1-5741	C TC GG CA T AA TT CT TC ATA AA AA CA CA C GT CC CC T CC CT CT CT GA T AG T GT CT GA CT GA T CT CT CA AA CC CA AC CC CT CT CA AA CA CA CA CT CT TT CC AT CC T AG CA TT TA TT CT CC AA GG AT AT CC CC CT CC AA AG CT CA AA T GT CT TT CT CC AT CC GT TA CC TA C	3582
Consensus_HERV-H/1-8613	A AC AA AA CC AT T ATA AA AA CT CA CA AA AG AA CC TA GT TA CC CC CA TA GA T CC T AA AT CT GT TT CC CC CA CT CC CT TT CC AT TC CT TT GA AG CA AG CT TT AG AG CA CT GC CT CC CA CT TA AG CT CT CC CT GA CT CA CC CA CA C TT TT CA TT CA CA	3931
chr5_7262317-7262762/21-466	-----	20
AC226159.3_c6295-555/1-5741	-----	3582

Consensus_HERV-H/1-8613	CAGCTGAAAGTGCAGGGCTGTGCAGTCAAAATTCACACAAGGACCGGGATCGCATCCGTAGCCTTTTGTCCAAACAACTTGACCTTACTGTTTTAGGCTGGCCATCATGTCCTCAATGCAGCGTCTGCTGCCACCCCTAAATACCTTTTAGAGGCC	4086
chr5_7262317-7262762/21-466	-----CAGTGTGGTCAAAATTCACACAAGAGCCAGGGCCGTAACCTGTAGCCTTTTGTCCAAACAACTTGACCTTACTTTTTTAGCCTAGCCCTCATGTCGCAAGTAGCAGCTGCCGTGCTTTAATACCTTTTAGAGGCC	20
AC226159.3_c6295-555/1-5741	-----CAGTGTGGTCAAAATTCACACAAGAGCCAGGGCCGTAACCTGTAGCCTTTTGTCCAAACAACTTGACCTTACTTTTTTAGCCTAGCCCTCATGTCGCAAGTAGCAGCTGCCGTGCTTTAATACCTTTTAGAGGCC	3721
Consensus_HERV-H/1-8613	CTCAAAATCACAAACTATGCTCAACTATTCTCTACAGCTCTCATAATTTCCAAAATCTATTTTCTTCTCACACCTGACACATATACTTTCTGCTCCCCGGCTCCTTCAGATATACTCACTCCATTATCTCCCACAATTACCATTATTCTTG	4241
chr5_7262317-7262762/21-466	CTAAAAATCACAAACTAGCCTCAACTCA--ATCTACATTTCTCATAACTTTCCAAAATCCAATTTCTTCTCATACCCTGATGCATATACTTTCTGCTCCCCGGCTCCTTCAGCTGTAACTCACTTTTCTTAAAGTCCCACAATTACCATTGTTCTTG	20
AC226159.3_c6295-555/1-5741	CTAAAAATCACAAACTAGCCTCAACTCA--ATCTACATTTCTCATAACTTTCCAAAATCCAATTTCTTCTCATACCCTGATGCATATACTTTCTGCTCCCCGGCTCCTTCAGCTGTAACTCACTTTTCTTAAAGTCCCACAATTACCATTGTTCTTG	3874
Consensus_HERV-H/1-8613	GCCTGGACTTCAATCCGGCTCCACATTATTCGGATACCAACCTGACCCCTCATGACTGCTCTCTGATCCACCTGACGTTCACCCCATTCCCCACAATTCCTTCTGCCCTGTTTTCAACCTGATCAACCTTGGTTATATGATGGCAGT	4396
chr5_7262317-7262762/21-466	GCCCAGACTTCAATCCGGCTCCTACATTATTCGGATACCAACCTGACCCCTCATGACTGCTCTCTGATCCACCTGACGTTCACCCCATTCCCCACAATTCCTTCTTCTGTTCTCAACCTGATCAACCTTGTATTTATGATGTCAGT	20
AC226159.3_c6295-555/1-5741	GCCCAGACTTCAATCCGGCTCCTACATTATTCGGATACCAACCTGACCCCTCATGACTGCTCTCTGATCCACCTGACGTTCACCCCATTCCCCACAATTCCTTCTTCTGTTCTCAACCTGATCAACCTTGTATTTATGATGTCAGT	4029
Consensus_HERV-H/1-8613	TCCACAGGCTAATCGCCACTCACCAAGCAAGGCAGGATATGCTATGAACTAGTTGCCCTTAATCAAGCCCTCACTCTTGCAAAAGGACTACGTGTCAATATCTATCTGATTCTAAATATGCCCTTCAATATCTGCACCACTATGCCGTCATA	4551
chr5_7262317-7262762/21-466	TCCACTAGGCTAATCGCCACACACCAAGCAAGGCAGGCTATGCTATAG--	20
AC226159.3_c6295-555/1-5741	TCCACTAGGCTAATCGCCACACACCAAGCAAGGCAGGCTATGCTATAG--	4078
Consensus_HERV-H/1-8613	TGGCTGAAAGAGGTTTCTCACTACACAAGTGTCTCCATCAATTAATGCCCTTTAAAGAAAACCTGCTCAAGGCTGCTTTACTCCAAAGGAGCTGGGGTCAATTCCTGCAAGGGGCATCAAAAGACTTCAGATCCCATTGCTCTAGGCAAT	4706
chr5_7262317-7262762/21-466	-----	20
AC226159.3_c6295-555/1-5741	-----	4078
Consensus_HERV-H/1-8613	GCTTATGCTGATAAAGTGGCTAGACAAGCAGCTAGCTCTCCAACTTTTGTCCCTCATGGCCAGTTTTTCTCTTCACATCCGTCCTCCCACTACTCCACAGTCAAACCTTCAAGCTTCCCCCGCAAGGTAAATGGTCTTAGA	4861
chr5_7262317-7262762/21-466	-----	20
AC226159.3_c6295-555/1-5741	-----	4078
Consensus_HERV-H/1-8613	CCAAAGGAAAATATCTCCTTCCAGCCTCACAGGCCCATTCATTCTGTGCTATTTCAAACTTTTCCATGTAAGGTTACAAGCCACTAGCCTGTCTTTAGGACCCTCTCATTCTTTCCATCATGGAAAATCTATCTCAAGGAGATCACTTCTC	5016
chr5_7262317-7262762/21-466	-----TACAAGCCACTAGCCCGCCTTTAGAACTTATTCTTTCCATCTGTGAAAATCTAACCTCAAGGAAATACCTCTC	20
AC226159.3_c6295-555/1-5741	-----TACAAGCCACTAGCCCGCCTTTAGAACTTATTCTTTCCATCTGTGAAAATCTAACCTCAAGGAAATACCTCTC	4157
Consensus_HERV-H/1-8613	AGTGTTCATCTGCTATTCTGCTACCCCTCAGGCATTGTTAGGCCCTCCCTCCCTTCTCACATAAAGCTCGGGGATTGGCCCCGCCCCAGGACTGGCAAAATGACTTTTACTC-ACATGCCCTCGGGTCAGAAAATCAAAATATCTCTTAGTCTG	5170
chr5_7262317-7262762/21-466	AGTGTTCATCTGCTATTCTACTACTCCTCAGGATTAATCAGGCCCTCCCTCCATACACATCAAGCTTGAAGATTGGCCCCCAAGGACTGGCAAAATGACTTTTACTCAACATGCCCTGAGTCAGATAGCTAAAATACCTCTTAGTCTA	20
AC226159.3_c6295-555/1-5741	AGTGTTCATCTGCTATTCTACTACTCCTCAGGATTAATCAGGCCCTCCCTCCATACACATCAAGCTTGAAGATTGGCCCCCAAGGACTGGCAAAATGACTTTTACTCAACATGCCCTGAGTCAGATAGCTAAAATACCTCTTAGTCTA	4312
Consensus_HERV-H/1-8613	GGTAGACACTTTTACATGGGTGGGTAGAGGCCCTTCCCATAGATCTGAGAGGCCACCAGGCTATTTCTCCCTTCTGTCAAGACATAATTCCTTGGTTTGGCCTTCCCCTCTATACAGCTGTATAACGGACCAAGCCCTTACTAGTTAAATCA	5325
chr5_7262317-7262762/21-466	GGTAGACACTTTCCATGGATAGGTACAGG-----GTCTGAGAGGCCACCACAGTCAATTTCTCCCTTCTGTCAAGACATAATTCCTAGTTTAGCCTTCCCACCTCTATACAGCTGTATAACGGACCAAGCCCTTACTAGTTAAATCA	20
AC226159.3_c6295-555/1-5741	GGTAGACACTTTCCATGGATAGGTACAGG-----GTCTGAGAGGCCACCACAGTCAATTTCTCCCTTCTGTCAAGACATAATTCCTAGTTTAGCCTTCCCACCTCTATACAGCTGTATAACGGACCAAGCCCTTACTAGTTAAATCA	4454
Consensus_HERV-H/1-8613	CCCAAGCAGTTTCTCAGGCTCTGGTATTCAAGTGAACCTTCATATCCCTTAACTCCTCAATCTTCAGGAAAGGTAAAACCGACTAATGGTCTTTTAAAAGACACCTCACCAGCTCAGCCTCCAACCTAAAAAGGATGGACAGTACTTTTA	5480
chr5_7262317-7262762/21-466	GCCAAGCAGTTTTTTCAGGCTCTTATGATTCAGTGAACCTTTTATCCCTTACGGTCCCTCCGTCTTCAGGAAAAGTAAAGGACTAAAAGGCTTTTTAAAAACACACCTCCCCAAGCTCAGCCCAACCTAAAAAGGACTGGACAAATCTTTTA	20
AC226159.3_c6295-555/1-5741	GCCAAGCAGTTTTTTCAGGCTCTTATGATTCAGTGAACCTTTTATCCCTTACGGTCCCTCCGTCTTCAGGAAAAGTAAAGGACTAAAAGGCTTTTTAAAAACACACCTCCCCAAGCTCAGCCCAACCTAAAAAGGACTGGACAAATCTTTTA	4609
Consensus_HERV-H/1-8613	CCTCTGCCCTTCTCAGAATTAGAACCCTGCTCGAGATGCTACAGGGTACAGTCCATTTGAACTTTTATATGGAAGCCTTTCTTGGTTGGTCCCAACCTCATCCAGACACCAAGCCCTCTAGGCCACTATCTTCCAGCTCCCAACAGGCTAG	5635
chr5_7262317-7262762/21-466	CCACTTTCCCTTCTCAGAAGTCAAGCTGCCCTCAGAATGCTACAGGATACAGCCCAATTTGAGTCTCTGTATAGATGCTCCTTTTATATAGGCCCAAGTCTCATTCCAGACACCAGC-----	20
AC226159.3_c6295-555/1-5741	CCACTTTCCCTTCTCAGAAGTCAAGCTGCCCTCAGAATGCTACAGGATACAGCCCAATTTGAGTCTCTGTATAGATGCTCCTTTTATATAGGCCCAAGTCTCATTCCAGACACCAGC-----	4727
Consensus_HERV-H/1-8613	GCAAGGAAAGTCAAGGCTGCTAACTTCTCTTCCCTACTCCAGATCCCCAGCCATATGAAAGACACTTACCTGGACGATCAAGTTCTTGGTTAAGAAATCGACCCCTCAAACTCTACAACTCGATGGACTGGACCCCTACTTAGTCATCTATAGTA	5790
chr5_7262317-7262762/21-466	-----	20
AC226159.3_c6295-555/1-5741	-----	4727
Consensus_HERV-H/1-8613	CCCCTGACTGCCGTCGCCCTGCAGGATCCTCCCCACTGGGTTCACCAATTCCAGAAATAAAGCTGTGTCCATTGGAAGCCAGCCATAACCTTCTCCTCCCTTCTCCTTCTGGAAAGTGCATTAATCTCCCCACTTCCCCTAAACTCCTCGTATTTCTGAA	5945
chr5_7262317-7262762/21-466	-----	20
AC226159.3_c6295-555/1-5741	-----	4727

Consensus_HERV-H/1-8613	GAA CAGTAA TAA CCC TTA TGA GCC TAA TACA TCC CTT CA TTC TATT AGGTC TGT TTT GCT TTA CCC TAC TTT TTT GCA CAG GGC TTT ATG AACT CAC CCCC ACCA CTT AGGC TGA GCC CAAAAA ATCT TGT CAT C C C T A C T A T T T T C T G T C C A G T	6100
chr5_7262317-7262762/21-466	-----	20
AC226159.3_c6295-555/1-5741	-----CAACTT GACT GTGCC CAAAAA ATTTGTCATCCCTACTATCTTCTGTCTAGT	4780
Consensus_HERV-H/1-8613	CATA CT CCT ATT CTCTGC TCTCAACTACTTATAAATGCCGTA CTCTTGTTTACACTGCTGGTTTACACTGTTTCTTCAAGCCATCACAGCTGATATCTCTTGGTGTATCCCCAAACCGCCACTTTAATTC C C C T T T A G A T G G G T A G A T G A T C	6255
chr5_7262317-7262762/21-466	-----	20
AC226159.3_c6295-555/1-5741	-----CATA CT CCT ATT CACCATTCTCAACTACTCATACATGCCCTGCTCTTGTTTACACTGCCGTTTACACTGTTTTTCAAGCCATCACAGCTGATATCTCTTGGTGTATCCCCAAACCGCCACTTTAA-----CTCTTGAAGTAAATAAATAATC	4931
Consensus_HERV-H/1-8613	TTTGTGGCAGGGCACCCTCCAACTCTCCACCCTGATGAAAGTTCATTCTTTACTTTTATACTCTCTTATTCTCATTC C C C A T T C T T A T G C C A C C T T T T G C C T C T C C C C A G C T A T C C C A C C A C T A T C A A C C T T A C C C A T T C T C C T A G C	6410
chr5_7262317-7262762/21-466	-----	20
AC226159.3_c6295-555/1-5741	-----TTTGTGAAAGGAC-----	4945
Consensus_HERV-H/1-8613	TGCTTCTAATCCCTCCTTACTGAACAACCTGCTGGCTTTTGCAATTTCCCTTTTCCAGTGCCACATAGCTGTCCCTGCCCTACAGACAGACTGGGCTACATCTCCTGTCTCCTTACCCCTCTGAACCTTCC T T T T A C A G C C C T C A C C T T T A C C C T C	6565
chr5_7262317-7262762/21-466	-----	20
AC226159.3_c6295-555/1-5741	-----	4945
Consensus_HERV-H/1-8613	CTAAGGAACCTATTTACTTTCTAGACAGGTCCAGCAAGACTTTCCAGACATTTCACTACGCAAGCTGCCGCCCTCTCCGCACCTATTTAAAAAACCTTTCTCCTTATATTAACCTACTCCCCCATATTTGGACCCTCACAAACAACCT	6720
chr5_7262317-7262762/21-466	-----	20
AC226159.3_c6295-555/1-5741	-----	4945
Consensus_HERV-H/1-8613	ATTATTCTGTGCTGCTCCTTTATGATCTCTTGGCAAAGACCCACTGGAATTC C C C T A G G T A A T A T T T C A C C T T C T T G A T G T T C C T T T A C T C T T T A T C C A A A G C C C A A C T A C A C A T C A C T G A A A C A A T T G G A G C C T C C A G C C C A T A T	6875
chr5_7262317-7262762/21-466	-----	20
AC226159.3_c6295-555/1-5741	-----	4945
Consensus_HERV-H/1-8613	TACAGACAAGCCCTCTGTCAATACGACAAACTCAAAACATTAGCAGTAAATTGTTGCTTAGGAAAGACACTTACCCTGTATTTCACTCCATCCCTGGCTACCCTCCCTTGCTCATCAGACTCTCCTCCCAGGCCCTCTCTTGTTTACTTATAC	7030
chr5_7262317-7262762/21-466	-----	20
AC226159.3_c6295-555/1-5741	-----	4945
Consensus_HERV-H/1-8613	CCAGCCCCAAAATAACAGTGAAAGGTTGCTCATAGATAATCAACGTTTTCTGTACATCATGAAAAATTGAACATCCTCCTCTATGCA GTTACCCCATCAGTCCCCATTACAACCTTGACAGCTGCCGCCCTAGCTGGATCCCTAGGAGTCTGG	7185
chr5_7262317-7262762/21-466	-----	20
AC226159.3_c6295-555/1-5741	-----	4945
Consensus_HERV-H/1-8613	GTACAAAGACCCCTTTCCAGCACTCCTTTTACATTTTTTACTTTACATCTCCAGTTTTGCCCTACACAAAGGCTCTTCTTCCCTCTGTGGATCCTCTACCTACATGTGTCTACTGTCTAATGGACAGGCACATGCACACTAGTTTTCCCTAACCC	7340
chr5_7262317-7262762/21-466	-----	20
AC226159.3_c6295-555/1-5741	-----	4945
Consensus_HERV-H/1-8613	CAAAATTC AATTTGCCAGTGGGACTGAAGAGCTCCCTGTTCC C C C T C A T G A C A C T G A C A T G A C A A A A A G G G T T A T T C C A C T A A T T A C C T T G A T G G T T G G T T A G G A C T T T C T G C C T C C A C T G T T G C T C G G T A C T G G A A T A C C A G T C A T T T C A A	7495
chr5_7262317-7262762/21-466	-----	20
AC226159.3_c6295-555/1-5741	-----	4945
Consensus_HERV-H/1-8613	CCTCTGTACGACCTTCCGTAGCCGTCTAATGACTTCTCTGTAGCATCACAGATGTGCCACAACTTTTATCAGTCTCCAGGC T A A A G T T G A C T C T T T A G C T G C A G T T G T C C T C C A A A A C C G C T G A G G C C T T G A C T T A C T C A C T G C T G A A A A A	7650
chr5_7262317-7262762/21-466	-----	20
AC226159.3_c6295-555/1-5741	-----	4945
Consensus_HERV-H/1-8613	GGAGGACTGTGTATATTTTAAATGAAAGACTGTTGTTTTTACC T A A A A C A A C C T G G C C T G G T G T A T G A C A A C A T A A A A A A A C T C A A G G A A A G A G A C C A A A A A C T T G C C A C C A A G C A A G T A A T T A T G C T G A A T C C C C T T G G G C A C T C T A A T T G	7805
chr5_7262317-7262762/21-466	-----	20
AC226159.3_c6295-555/1-5741	-----TATGCTGAATCTCCTTAGGCA-----CTCTAATTA	4975
Consensus_HERV-H/1-8613	CATGCTCTGGGTCTCCCAATCTTAGTCC T T T A A T A C C C A T T T T T C T C C T T C T T T T A T T C G G A C C T T G T A T C T T C C A T T T A G T T T C T A A T T C A A T T C A T C C A A A A C T G T A T C C A G G C C A T C A C C A A T C A T T T T A T A C G A C A A A T G T T T C T T A A C A A	7960
chr5_7262317-7262762/21-466	-----	20
AC226159.3_c6295-555/1-5741	-----GATGCTCTGGGTCTCCCAATCTTAGACCTTTTATACC T G T T T T C T C C T T C T G T T A -----T T C C A T T T A G T T T T C A A T T C A T G C A A A A C C A T A T C C A G G C C A T C A C C A A T C A T T C T A A A T G A C A A A T G T C T T C T A A C A G	5115

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Consensus_HERV-H/1-8613      CCCCACAAATATCACCCCTTACCACAAATCTCCCTTCAGCTTAATCTCTCCCACTTAGGTTCCCAAGCCACCCCTAAATACCGCTTGAAAGCAGCCCTGAGAAACATCACCCATTCTCTCTCCATACCACCCCAAAAAATTTTCACTGCCCA 8115
chr5_7262317-7262762/21-466  -----TGTCAGGCCCTCTGAGCCCAAGCTAAGCCATCATATCCCCGTGACCTGACGTAACATCCATCCAGATGGCCGG----- 20
AC226159.3_c6295-555/1-5741 TCCCACAAATATCACCCCTTACACAAAATCTCCCTTCAGCTTAATCTCTCCCACTTAGGTTCCCAAGCCACCCCTAAATACCGCTTGAAAGCAGCCCTGAGAAACATTTGCTCAT--TATCTCTCCATACCACCCCAAAAAATTTTCACTATCCCA 5267

                                     3' LTR
                                     * *****
Consensus_HERV-H/1-8613      ACACTTCAACACTATTTTATTTTCTTATTAAATAAAGAAAGGCAGGAAATGTCAGGCCCTCTGAGCCCAAGCTAAGCCATCACATCCCCGTGACCTAGCACATATACGCCAGATGGCTGAAAGTAACGAAAGTCACAAAGAGTGAAAATGCC 8270
chr5_7262317-7262762/21-466  -----TGTCAGGCCCTCTGAGCCCAAGCTAAGCCATCATATCCCCGTGACCTGACGTAACATCCATCCAGATGGCCGG----- 91
AC226159.3_c6295-555/1-5741 ACACTTCAACACTATTTTCTTATTAAATAAAGAAAGGCAGGAAATGTCAGGCCCTCTGAGCCCAAGCTAAGCCATCATATCCCCGTGACCTGACGTAACATCCATCCAGATGGCCGG----- 5386

                                     * *****
Consensus_HERV-H/1-8613      TGCCTCCACTTAACTGATGACATTCCACCACAAAAGAAAGTGAATAAGGCCGCTTTCCTGCTTAAAGTATGACATTACCTTGTAAGTCCCTTTTCCGGCTCATCCTGGCTCAAAAAGCTCCCTACTGAGCACCTTGCCACCCCACTCCTGCC 8425
chr5_7262317-7262762/21-466  -TTCTGCTTAACTGATGACATTCCACCACAAAAGAAAGTGAATAAGGCCGCTTTCCTGCTTAACTGATGACATTGCTTTGTGAAATTCCTTCCCTGGCTCATCCTGGCTC-AAAAGCTCCCTACTGAGCACCTTGCCACCCCACT-CTGCC 243
AC226159.3_c6295-555/1-5741 -TTCTGCTTAACTGATGACATTCCACCACAAAAGAAAGTGAATAAGGCCGCTTTCCTGCTTAACTGATGACATTGCTTTGTGAAATTCCTTCCCTGGCTCATCCTGGCTC-AAAAGCTCCCTACTGAGCACCTTGCCACCCCACT-CTGCC 5538

                                     *****
Consensus_HERV-H/1-8613      CGCCAGAGAACACCCCTTTGACTGTAAATTTCCCTTACCTACCCAAATCCTATAAAACAGCCCAACCCCTATCTCCCTTGGCTGACTCTCTTTCCGGACTCAGCCCGCCTGCACCCAGGTGATTAAAAGCTTTATTGCTCACACAAAGCCTG 8580
chr5_7262317-7262762/21-466  TGCCAGAGAACAA-CCCCCTTTGACTATAATTTCCCTTATCTACTACATCCTATAAAATGGCCCAACCCCTATCTCCCTTGGCTGA--CTCTTTCCGGACTCAGCCCGCCTGCACCCAGGTGATTAAAAGCTTTATTGCTCACACAAAGCCTG 395
AC226159.3_c6295-555/1-5741 TGCCAGAGAACAA-CCCCCTTTGACTATAATTTCCCTTATCTACTACATCCTATAAAATGGCCCAACCCCTATCTCCCTTGGCTGA--CTCTTTCCGGACTCAGCCCGCCTGCACCCAGGTGATTAAAAGCTTTATTGCTCACACAAAGCCTG 5690

                                     *****
Consensus_HERV-H/1-8613      TTTGGTGGTCTCTTCACACGGACGGCAGTACA----- 8613
chr5_7262317-7262762/21-466  TTTGATGGTCTCTTCACACGGACGGCAGTAAAATTACAACTTGAAAAAT 446
AC226159.3_c6295-555/1-5741 TTTGATGGTCTCTTCACACGGACGGCAGTAAAATTACAACTTGAAAAAT 5741

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Additional file 7: Alignment of HERV-H consensus with 5p15.31_H2 solo LTR and provirus. The target site duplications (TSD) are marked in red. The 5' and 3'LTRs are highlighted in pink. The HERV-H consensus sequence is from Repbase (LTR7 and HERVH).