

A conserved primate sequence forms long non-coding RNA genes, pseudogenes and GGT-related protein genes

Nicholas Delihias

Supplementary Figure S1. Nt sequence alignment of two chimpanzee and four human sequences that contain the repeat core sequence. The chimp.LOC112206744-LOC107973052-GGT2.revcompl sequence was from Pan troglodytes isolate Yerkes chimp pedigree #C0471 (Clint) chromosome 22, Clint_PTRv2. The source of the other chimpanzee sequence is from a clone and is as shown below. The human sequences were from Homo sapiens chromosome 22, GRCh38.p12 Primary Assembly NCBI Reference Sequence: NC_000022 with the human FAM230A sequence from the NCBI NMD transcript. The Clustal Omega, Multiple sequence alignment program was used for sequence alignment.

CLUSTAL O(1.2.4) multiple sequence alignment

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human.FAM30B-LOC105372935-GGT2.NCBI. gcgagcccaggcagcggcctcctgggagagagagccacagttagtgacctgagtg 49742
human.FAM230E-LOC105377182-GGT3P.NCBI. gcgagcccaggcagcggcctcctgggagagagagccacagttagtgacctgagtg 48395
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

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human.FAM30B-LOC105372935-GGT2.NCBI. aggcaccgccaccgacagccctcctgggagagagagccacagttagtgacctgagtg 49802
human.FAM230E-LOC105377182-GGT3P.NCBI. aggcaccgccaccgacagccctcctgggagagagagccacagttagtgacctgagtg 48455
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

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human.FAM230E-LOC105377182-GGT3P.NCBI. gggacatccggatctctcgcaggcagcatcccaggcacagtcctgactcgctttacaga 48515
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

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human.FAM230E-LOC105377182-GGT3P.NCBI. tggggcaatgaggcttagggagaaagatttttttcttttttgagttgggctcttgcca 48575
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

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human.FAM230E-LOC105377182-GGT3P.NCBI. tcttgcccagcctgatctcgaactcctggattcaagcaatcctcccactcagcctcctg 48635
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
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human.FAM230E-LOC105377182-GGT3P.NCBI. agtcgctgagattacagggctgaacaccacac---ctagcagaaggggatttttaatttt 48692
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
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human.FAM30B-LOC105372935-GGT2.NCBI. taaatttttttaatttttaatttttttttttttaggggggatgtttaattttttttt 50099
human.FAM230E-LOC105377182-GGT3P.NCBI. taaatttttttaatttttaatttttttttttttaggggggatgtttaattttttttt 48752
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
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human.FAM230E-LOC105377182-GGT3P.NCBI. taggaggggctcagcaggttaggagtgatgacagcaagggatgtctgaggagggcacag 48812
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

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human.FAM30B-LOC105372935-GGT2.NCBI. aggggaagcagtagcagcgctgggttttctgctcccaggatgaggtgtctgtctgtgc 50219
human.FAM230E-LOC105377182-GGT3P.NCBI. aggggaagcagtagcagcgctgggttttctgctcccaggatgaggtgtctgtctgtgc 48872

human.FAM230J-LOC105372942-GGTL3.NCBI.rev.compl 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.compl.REF 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl aggtgcctgcatgtctaaaatcctgtgccaggccagaccctccatctcgctgaccac 51292
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human.FAM30B-LOC105372935-GGT2.NCBI. aggtgcctgcatgtctaaaatcctgtgccaggccagaccctccatctcgctgaccac 50279
human.FAM230E-LOC105377182-GGT3P.NCBI. aggtgcctgcatgtctaaaatcctgtgccaggccagaccctccatctcgctgaccac 48932
human.FAM230J-LOC105372942-GGTL3.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.compl.REF ----- 31039

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human.FAM30B-LOC105372935-GGT2.NCBI. aaggccttatcctgtaagactcatgggctccaccagaatgtgcaaaacaagagcagatc 50339
human.FAM230E-LOC105377182-GGT3P.NCBI. aaggccttatcctgtaagactcatgggctccaccagaatgtgcaaaacaagagcagatc 48992
human.FAM230J-LOC105372942-GGTL3.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.compl.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ccacctgaccaggctcaagcacaggccacctcaagacac----- 51393
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human.FAM30B-LOC105372935-GGT2.NCBI. ccacctgaccaggctcaagcacaggccacctcaagacac----- 50380
human.FAM230E-LOC105377182-GGT3P.NCBI. ccacctgaccaggctcaagcacaggccacctcaagacac----- 49033
human.FAM230J-LOC105372942-GGTL3.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.compl.REF ----- 31039

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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 49033
human.FAM230J-LOC105372942-GGTL3.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.compl.REF ----- 31039

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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 49033
human.FAM230J-LOC105372942-GGTL3.NCBI.rev.compl ----- 46364
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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 49033
human.FAM230J-LOC105372942-GGTL3.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.compl.REF ----- 31039

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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 49033
human.FAM230J-LOC105372942-GGTL3.NCBI.rev.compl ----- 46364
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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 49033
human.FAM230J-LOC105372942-GGTL3.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.compl.REF ----- 31039

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human.FAM30B-LOC105372935-GGT2.NCBI. ----- 50380
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 49033
human.FAM230J-LOC105372942-GGTL3.NCBI.rev.compl ----- 46364
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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 49033
human.FAM230J-LOC105372942-GGTL3.NCBI.rev.compl ----- 46364
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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 49033
human.FAM230J-LOC105372942-GGTL3.NCBI.rev.compl ----- 46364
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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 49033
human.FAM230J-LOC105372942-GGTL3.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.compl.REF ----- 31039

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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 49033
human.FAM230J-LOC105372942-GGTL3.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTL3.NCBI.rev.compl -----agccagcccaagaaaggctcccttctcttttct 49069
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.compl.REF ----- 46364
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chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 51466
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human.FAM230E-LOC105377182-GGT3P.NCBI. actgccccagagaggcaagactgagccttaacctcca----- 50453
human.FAM230J-LOC105372942-GGTL3.NCBI.rev.compl actgccccagagaggcaagactgagccttaacctccg----- 49106
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.compl.REF ----- 46364
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chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 51502
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human.FAM230E-LOC105377182-GGT3P.NCBI. -----tctgtcccctctcccagcctcagtttctccatcca 50489
human.FAM230J-LOC105372942-GGTL3.NCBI.rev.compl -----tctgtcccctctcccagcctcagtttctccatcca 49142
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.compl.REF ----- 46364
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human.FAM230E-LOC105377182-GGT3P.NCBI. actataagggtttttgtttgtttgtctgttttgaga-cagggtctcattctgtgtgccca 50548
human.FAM230J-LOC105372942-GGTL3.NCBI.rev.compl actataagggtttttgtttgtttgtctgttttgagaccagggtctcattctgtgtgccca 49202
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human.FAM230E-LOC105377182-GGT3P.NCBI. gctggag----- 50555
human.FAM230J-LOC105372942-GGTL3.NCBI.rev.compl gctggag----- 49209
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chimp.LOC112206744-LOC107973052-GGT2.revcomp1	-----	52032
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human.FAM30B-LOC105372935-GGT2.NCBI.	-----	51025
human.FAM230E-LOC105377182-GGT3P.NCBI.	-----	49678
human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.comp1	-----	46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.comp1.REF	-----	31039
chimp.LOC112206744-LOC107973052-GGT2.revcomp1	-----	52032
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36	GTGCTGTTTCAATGCCACCACCAGGAGAGAGGAGGAGGGGCTGTGCCGTGCTAGAGTCCCT	57224
human.FAM30B-LOC105372935-GGT2.NCBI.	-----	51025
human.FAM230E-LOC105377182-GGT3P.NCBI.	-----	49678
human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.comp1	-----	46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.comp1.REF	-----	31039
chimp.LOC112206744-LOC107973052-GGT2.revcomp1	-----	52032
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human.FAM230E-LOC105377182-GGT3P.NCBI.	-----	49678
human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.comp1	-----	46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.comp1.REF	-----	31039
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chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36	TGGGTCTCAGTGGCCCGGACAAGGGCCAGCTCTGGCTGATGGGAGGCTTTCATGAT	57344
human.FAM30B-LOC105372935-GGT2.NCBI.	-----	51025
human.FAM230E-LOC105377182-GGT3P.NCBI.	-----	49678
human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.comp1	-----	46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.comp1.REF	-----	31039
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human.FAM30B-LOC105372935-GGT2.NCBI.	-----	51025
human.FAM230E-LOC105377182-GGT3P.NCBI.	-----	49678
human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.comp1	-----	46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.comp1.REF	-----	31039
chimp.LOC112206744-LOC107973052-GGT2.revcomp1	-----	52032
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36	TCTTTGTTAAGGCCACAGTGCAGAGGGAGGGTGGCAAAGAGAGAGGCACTGGTGGG	57464
human.FAM30B-LOC105372935-GGT2.NCBI.	-----	51025
human.FAM230E-LOC105377182-GGT3P.NCBI.	-----	49678
human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.comp1	-----	46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.comp1.REF	-----	31039
chimp.LOC112206744-LOC107973052-GGT2.revcomp1	-----	52032
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36	GGTGGCAGTGGTGTAGTCTTAGAAGCAGTGAAGTACTGCAGACAGGGTCCGGGGAAA	57524
human.FAM30B-LOC105372935-GGT2.NCBI.	-----	51025
human.FAM230E-LOC105377182-GGT3P.NCBI.	-----	49678
human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.comp1	-----	46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.comp1.REF	-----	31039
chimp.LOC112206744-LOC107973052-GGT2.revcomp1	-----	52032
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36	AGGTCTTGGTGTGGGGTCTGGTGGGAGCAAAGCGGCACCCCAAGCCCTGGAGACCT	57584
human.FAM30B-LOC105372935-GGT2.NCBI.	-----	51025
human.FAM230E-LOC105377182-GGT3P.NCBI.	-----	49678
human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.comp1	-----	46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.comp1.REF	-----	31039
chimp.LOC112206744-LOC107973052-GGT2.revcomp1	-----	52032
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36	GGAGTCTGGGAGCCACAAGAGAGCTGGGTACCTTTCAAGTGGTCTAGAAGAAAAG	57644
human.FAM30B-LOC105372935-GGT2.NCBI.	-----	51025
human.FAM230E-LOC105377182-GGT3P.NCBI.	-----	49678
human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.comp1	-----	46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.comp1.REF	-----	31039
chimp.LOC112206744-LOC107973052-GGT2.revcomp1	-----	52032
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36	GAAGGTGAGCAGGTGGCTCCGGCAGGGACAACAACAGGTGAACATGACAGCTTCTT	57704
human.FAM30B-LOC105372935-GGT2.NCBI.	-----	51025
human.FAM230E-LOC105377182-GGT3P.NCBI.	-----	49678
human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.comp1	-----	46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.comp1.REF	-----	31039
chimp.LOC112206744-LOC107973052-GGT2.revcomp1	-----	52032
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36	TGCAACTGGGTCTGAAAGAGCTGCAGGAGGAGTGGGTACTCTCTGGTTACGACAAG	57764
human.FAM30B-LOC105372935-GGT2.NCBI.	-----	51025
human.FAM230E-LOC105377182-GGT3P.NCBI.	-----	49678
human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.comp1	-----	46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.comp1.REF	-----	31039
chimp.LOC112206744-LOC107973052-GGT2.revcomp1	-----	52032
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36	CCAGAGACCTCTCCCAGGTGGTACATGGAGCACCTAGGACACAGTCTTGCAGCTT	57824
human.FAM30B-LOC105372935-GGT2.NCBI.	-----	51025
human.FAM230E-LOC105377182-GGT3P.NCBI.	-----	49678
human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.comp1	-----	46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.comp1.REF	-----	31039
chimp.LOC112206744-LOC107973052-GGT2.revcomp1	-----	52032
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36	TGGGCTTGTATCATCTGTCACACCACAGCGCTGGCCACCAGTGGAGCCCTGTGAGGG	57884
human.FAM30B-LOC105372935-GGT2.NCBI.	-----	51025
human.FAM230E-LOC105377182-GGT3P.NCBI.	-----	49678
human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.comp1	-----	46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.comp1.REF	-----	31039
chimp.LOC112206744-LOC107973052-GGT2.revcomp1	-----	52032
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36	CACCTGTGGGGTGTGAACCACCTGAATGCCTTTCTCTACCTCACAGGGTCCAGCAGC	57944
human.FAM30B-LOC105372935-GGT2.NCBI.	-----	51025
human.FAM230E-LOC105377182-GGT3P.NCBI.	-----	49678
human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.comp1	-----	46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.comp1.REF	-----	31039
chimp.LOC112206744-LOC107973052-GGT2.revcomp1	-----ctggtctcaaaactctggcct	52052
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36	ACCCGGTGAACAGCAGCAGGAGGAGCCGCTAGAGCAGCTGCTGAGGGCAGAGCTGCCCT	58004
human.FAM30B-LOC105372935-GGT2.NCBI.	-----ctggtctcaaaactctggcct	51045
human.FAM230E-LOC105377182-GGT3P.NCBI.	-----ctggtctcaaaactctggcct	49698
human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.comp1	-----	46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.comp1.REF	-----	31039
chimp.LOC112206744-LOC107973052-GGT2.revcomp1	caagcaa-tcctcccacctcagcctcccaacatgctgggattacaggtgactcagccta	52111
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36	TGGACAACCTCTGCCACCACCCCTCCCCAGGAGCCCAAGGCAGGGGAGGCTCAGCATG	58064
human.FAM30B-LOC105372935-GGT2.NCBI.	caagcaa-tcctcccacctcagcctcccaacatgctgggattacaggtgactcagccta	51104
human.FAM230E-LOC105377182-GGT3P.NCBI.	caagcaa-tcctcccacctcagcctcccaacatgctgggattacaggtgactcagccta	49757
human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.comp1	-----	46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.comp1.REF	-----	31039
chimp.LOC112206744-LOC107973052-GGT2.revcomp1	taagg-----	52116
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36	GAATGAAACAGGGAGTGAGGGACACAAGGAGTGGGAAGTGGGAGGTCACGCCCCAC	58124
human.FAM30B-LOC105372935-GGT2.NCBI.	taagg-----	51109
human.FAM230E-LOC105377182-GGT3P.NCBI.	taagg-----	49762
human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.comp1	-----	46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.comp1.REF	-----	31039
chimp.LOC112206744-LOC107973052-GGT2.revcomp1	-----	52116
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36	CAAGTACGCAGAGACCCCTCGTCTGCTGGACACCACAGGGCACCTGCAGGCTGGGAG	58184
human.FAM30B-LOC105372935-GGT2.NCBI.	-----	51109
human.FAM230E-LOC105377182-GGT3P.NCBI.	-----	49762
human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.comp1	-----	46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.comp1.REF	-----	31039

chimp.LOC112206744-LOC107973052-GGT2.revcomp1	-----	52116
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36	ACCAGGTCTCTTGTGCATGGGCCGGGAGGCAGACCTGCCCTAAGGGTGATGCAGAGGCC	58244
human.FAM30B-LOC105372935-GGT2.NCBI.	-----	51109
human.FAM230E-LOC105377182-GGT3P.NCBI.	-----	49762
human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.comp1	-----	46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.comp1.REF	-----	31039
chimp.LOC112206744-LOC107973052-GGT2.revcomp1	-----	52116
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36	ACAGGTGTGCATGCATCAGCACCCACTCTAGACATCAGCCTCCAGGTTGACTAAGGGTC	58304
human.FAM30B-LOC105372935-GGT2.NCBI.	-----	51109
human.FAM230E-LOC105377182-GGT3P.NCBI.	-----	49762
human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.comp1	-----	46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.comp1.REF	-----	31039
chimp.LOC112206744-LOC107973052-GGT2.revcomp1	-----	52116
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36	AGGTATGTTTAAACCATTGCTGGCTGGACCAGGACCCATGGCAAGAGCACCTGGGCAC	58364
human.FAM30B-LOC105372935-GGT2.NCBI.	-----	51109
human.FAM230E-LOC105377182-GGT3P.NCBI.	-----	49762
human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.comp1	-----	46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.comp1.REF	-----	31039
chimp.LOC112206744-LOC107973052-GGT2.revcomp1	-----	52116
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36	CAGTGTATTAGCCCTGGCTGCAGGAAGGAGGACAGACACTTTAGGACCCACAGCAGCG	58424
human.FAM30B-LOC105372935-GGT2.NCBI.	-----	51109
human.FAM230E-LOC105377182-GGT3P.NCBI.	-----	49762
human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.comp1	-----	46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.comp1.REF	-----	31039
chimp.LOC112206744-LOC107973052-GGT2.revcomp1	-----	52116
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36	CAGTGTGACCATTTCAACCCACTTGGCTCCTTGAGGAATAGGATGGGGAGCCCTCTGG	58484
human.FAM30B-LOC105372935-GGT2.NCBI.	-----	51109
human.FAM230E-LOC105377182-GGT3P.NCBI.	-----	49762
human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.comp1	-----	46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.comp1.REF	-----	31039
chimp.LOC112206744-LOC107973052-GGT2.revcomp1	-----	52126
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36	GGATGGGCAAGGCCCTTCCAGGACAGGCTCGGTTCTGGTCCCTGCTTTTGGAGGTTGGGT	58544
human.FAM30B-LOC105372935-GGT2.NCBI.	-----	51119
human.FAM230E-LOC105377182-GGT3P.NCBI.	-----	49772
human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.comp1	-----	46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.comp1.REF	-----	31039
chimp.LOC112206744-LOC107973052-GGT2.revcomp1	-----	52178
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36	tccagttctgacttttgaggaggtcattggaacagaccctgggctgctt-----	58604
human.FAM30B-LOC105372935-GGT2.NCBI.	TAAAATGCCGACCATGGCAGAGGGTTACAGCTCAGGTTCCACACCTCGCTTTTCACAG	51171
human.FAM230E-LOC105377182-GGT3P.NCBI.	tccagttctgacttttgaggaggtcattggaacagaccctgggctgctt-----	49824
human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.comp1	tccagttctgacttttgaggaggtcattggaacagaccctgggctgctt-----	46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.comp1.REF	-----	31039
chimp.LOC112206744-LOC107973052-GGT2.revcomp1	-----	52238
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36	tctccctgagcctcactgcccataatggacactacagacactgaccctttgccagaaagg	58664
human.FAM30B-LOC105372935-GGT2.NCBI.	CTCCGAGGGCAGCAGTGCCATGGAGGAGACGTCTCCACAGGCCAAGGCCCTCCAGTG	51231
human.FAM230E-LOC105377182-GGT3P.NCBI.	ccccctgagccccactgcccataatggacactacagacactgaccctttgccagaaagg	49883
human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.comp1	cccccc-gagccccactgcccataatggacactacagacactgaccctttgccagaaagg	46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.comp1.REF	-----	31039
chimp.LOC112206744-LOC107973052-GGT2.revcomp1	-----	52257
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36	tacaactatggcctctgccc-----	58724
human.FAM30B-LOC105372935-GGT2.NCBI.	CTCACCAGTGCCCTCTGCGAAGTTGGGGTAGAACTCGTCAGTGAAGAGGGGCTCGGCAG	51250
human.FAM230E-LOC105377182-GGT3P.NCBI.	tacaactatggcctctgccc-----	49902
human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.comp1	tacaactatggcctctgccc-----	46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.comp1.REF	-----	31039
chimp.LOC112206744-LOC107973052-GGT2.revcomp1	-----	52257
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36	CTCACGGAAGTACAGTTCAGCGTGCCTGGCGTTACGTCATCCATCTCACTCATCAT	58784
human.FAM30B-LOC105372935-GGT2.NCBI.	-----	51250
human.FAM230E-LOC105377182-GGT3P.NCBI.	-----	49902
human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.comp1	-----	46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.comp1.REF	-----	31039
chimp.LOC112206744-LOC107973052-GGT2.revcomp1	-----	52257
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36	CACCGACATGTCTTGTATTCTGAAAAGAGCATGGAAATGCAGCGGCCCTCTTGAAGATC	58844
human.FAM30B-LOC105372935-GGT2.NCBI.	-----	51250
human.FAM230E-LOC105377182-GGT3P.NCBI.	-----	49902
human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.comp1	-----	46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.comp1.REF	-----	31039
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chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36	CTGAGTGAGTCACCCGCCACCCCTGCCCTTGGCTAAAGCACCGTCCCTGCCATGCTGACCA	58904
human.FAM30B-LOC105372935-GGT2.NCBI.	-----	51250
human.FAM230E-LOC105377182-GGT3P.NCBI.	-----	49902
human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.comp1	-----	46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.comp1.REF	-----	31039
chimp.LOC112206744-LOC107973052-GGT2.revcomp1	-----	52257
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36	CTGTATGGGTCCTTCTGGGCTTTGAGCAGCTCATCTGACTCCCAAGAGCTGTGCAT	58964
human.FAM30B-LOC105372935-GGT2.NCBI.	-----	51250
human.FAM230E-LOC105377182-GGT3P.NCBI.	-----	49902
human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.comp1	-----	46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.comp1.REF	-----	31039
chimp.LOC112206744-LOC107973052-GGT2.revcomp1	-----	52257
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36	GGTTCTGTGTCAGAGTTGATAGGGGTGCGTGGGCATTCCTTCTCCCTGCTT	59024
human.FAM30B-LOC105372935-GGT2.NCBI.	-----	51250
human.FAM230E-LOC105377182-GGT3P.NCBI.	-----	49902
human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.comp1	-----	46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.comp1.REF	-----	31039
chimp.LOC112206744-LOC107973052-GGT2.revcomp1	-----	52257
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36	GGCCTGATGTGATGGCCAGGAGGAGGCAGCATGGCAGGACACAGCACCTGCGTGGGGAT	59084
human.FAM30B-LOC105372935-GGT2.NCBI.	-----	51250
human.FAM230E-LOC105377182-GGT3P.NCBI.	-----	49902
human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.comp1	-----	46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.comp1.REF	-----	31039
chimp.LOC112206744-LOC107973052-GGT2.revcomp1	-----	52257
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36	TGGGTGGCTCTGCCCTGTACATAGCAACCACCCCTGCACCAGTGTGCTGTATAGCAGGA	59144
human.FAM30B-LOC105372935-GGT2.NCBI.	-----	51250
human.FAM230E-LOC105377182-GGT3P.NCBI.	-----	49902
human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.comp1	-----	46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.comp1.REF	-----	31039
chimp.LOC112206744-LOC107973052-GGT2.revcomp1	-----	52257
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36	AGGCCGTGGGAGAATCTGATTGGTTTCAGTGTGTTGAATGGTGTCTTCATTTGGACCCAA	59204
human.FAM30B-LOC105372935-GGT2.NCBI.	-----	51250
human.FAM230E-LOC105377182-GGT3P.NCBI.	-----	49902
human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.comp1	-----	46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.comp1.REF	-----	31039
chimp.LOC112206744-LOC107973052-GGT2.revcomp1	-----	52257
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36	TTGGCCACTGGTGCTTACATCCTCACACAGGCCAGGTTCAATTTGGGCCCCAGAGGGA	59264
human.FAM30B-LOC105372935-GGT2.NCBI.	-----	51250
human.FAM230E-LOC105377182-GGT3P.NCBI.	-----	49902
human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.comp1	-----	46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.comp1.REF	-----	31039

chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 AGATCAGACCAGTGTGGTCTGCCACCCACGTGCTGTGTGAGAGGAGAATCCCTGACC 60400
human.FAM30B-LOC105372935-GGT2.NCBI. 51451
human.FAM230E-LOC105377182-GGT3P.NCBI. 50103
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 52458
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 CCTGCGCTGGGCTTAACACACATCCGACGAATGAATGAAGGGTTGCCCTCAGCACCCGGTG 60460
human.FAM30B-LOC105372935-GGT2.NCBI. 51451
human.FAM230E-LOC105377182-GGT3P.NCBI. 50103
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 52513
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ---aagttctttttgtttgtttttgtt-ttctttgtttgttttgagatggagtcttg 52513
human.FAM30B-LOC105372935-GGT2.NCBI. CTCCAAGTCCGCGATGCTAAGTGTCTTTCTCCTCTG--AGTCTTAGCAATGGAAAATTC 60518
human.FAM230E-LOC105377182-GGT3P.NCBI. ---aagttctttttgtttgtttttgtttgtttttgagatggagtcttg 51507
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ---aagttctttttgtttgtttttttctttgtttgttttgagatggagtcttg 50159
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 46364
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chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 52535
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ctctgtctcc-----cagactgcagtg 52535
human.FAM30B-LOC105372935-GGT2.NCBI. CAATACCTCCACACAGACACTAGAGTAAGAATCCTTACAGTTAGAACCAGTGCCTGTG 60578
human.FAM230E-LOC105377182-GGT3P.NCBI. ctctgtctcc-----cagactgcagtg 51529
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ctctgtctcc-----cagactgcagtg 50181
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chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 52594
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 50294
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 50294
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 50294
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 46364
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 50294
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 46364
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 50294
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 46364
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF 31039

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human.FAM230E-LOC105377182-GGT3P.NCBI. ggctgttttcaaactcctgacctcaggtcatccaccacctcagccttccaaggtgctgg 51745
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 50557
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human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 46364
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 50727
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 46364
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl -----gtgacccccacac 50740
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 46364
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTL3.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTL3.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTL3.NCBI.rev.compl ----- 46364
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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 46364
human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.compl ----- 31039
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.compl.REF -----

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 67152
human.FAM30B-LOC105372935-GGT2.NCBI. ----- 63228
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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 46364
human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.compl ----- 31039
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.compl.REF -----

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 67152
human.FAM30B-LOC105372935-GGT2.NCBI. ----- 63288
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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 46364
human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.compl ----- 31039
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.compl.REF -----

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 67152
human.FAM30B-LOC105372935-GGT2.NCBI. ----- 63348
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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 46364
human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.compl ----- 31039
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.compl.REF -----

chimp.LOC112206744-LOC107973052-GGT2.revcomp1 ----- 61762
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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcomp1 ----- 61762
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 67152
human.FAM30B-LOC105372935-GGT2.NCBI. ctctaagcctcagttttctcatcgtaagatgggataataatgcctgtctcatagggtt 63468
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcomp1 ----- 61762
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 67152
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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcomp1 ----- 61762
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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

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chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 67152
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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcomp1 ----- 61762
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 67152
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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcomp1 ----- 61762
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 67152
human.FAM30B-LOC105372935-GGT2.NCBI. cggccatacaatgaaatgccatggcttgcacaaacttaattcatgcagaacctttcct 63948
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

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chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 67152
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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

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chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 67152
human.FAM30B-LOC105372935-GGT2.NCBI. aattggcaggggaaggaaataaacagaaacagtgatctgaatttatttgatatattct 64068
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

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chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 67152
human.FAM30B-LOC105372935-GGT2.NCBI. ggttgatggcattaattatgacatttaagtaccatgaggacaactcattagtaaatatc 64128
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcomp1 ----- 61762
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 67152
human.FAM30B-LOC105372935-GGT2.NCBI. agtatgttaaaatagtggtcataacatttttaatatatgtacagctcatgcactgaataac 64188
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

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chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 67152
human.FAM30B-LOC105372935-GGT2.NCBI. atttcagtaaatgaggaaacacatgtgcaacagtgatcctgtaagattataatggagcat 64248
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

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chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 67152
human.FAM30B-LOC105372935-GGT2.NCBI. atatagagatctaataatggcacttaattggtggcatggcagatcaagtaggggaaatga 64308
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcomp1 ----- 61762
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 67152
human.FAM30B-LOC105372935-GGT2.NCBI. ctgatatttagtaacagtgctgggacatttgattttccataaaaaatataaatgaaa 64368
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcomp1 ----- 61762
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 67152
human.FAM30B-LOC105372935-GGT2.NCBI. atatataatccatctaggtttgtgaaatacacacctatgatgttcacacaagaatgaaat 64428
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcomp1 ----- 61762
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 67152
human.FAM30B-LOC105372935-GGT2.NCBI. ----- 64488
human.FAM230E-LOC105377182-GGT3P.NCBI. tgctaataatgatgattcttaaacatgtcccatcattaagtgaccatgactgtatac 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

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chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 67152
human.FAM30B-LOC105372935-GGT2.NCBI. ----- 64548
human.FAM230E-LOC105377182-GGT3P.NCBI. acacacacatatggtgacacttaaatcaaatgattgcagattcctgaaacacagaacat 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcomp1 ----- 61762
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human.FAM230E-LOC105377182-GGT3P.NCBI. tttgcaacaattacctacattcataaacattagcatccttagaattgcagtggtctat 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

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human.FAM30B-LOC105372935-GGT2.NCBI. ----- 64668
human.FAM230E-LOC105377182-GGT3P.NCBI. gacagagcaactacaaccaacccccatccatctcctgcaagaaggctggagcaggtca 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

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chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 67152
human.FAM30B-LOC105372935-GGT2.NCBI. ----- 64728
human.FAM230E-LOC105377182-GGT3P.NCBI. gggtacaccagcatctcaagaactgcttctcaatcctggacctacactggaatcacctg 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

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human.FAM230E-LOC105377182-GGT3P.NCBI. gggagctttaaaaaaataaacagtgcctggacccccacatgacataactggtcttaggatt 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

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human.FAM230E-LOC105377182-GGT3P.NCBI. aattagggtttttttgaaagctccacagatgattcaaatcaggtgtagcaaacactggtt 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

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human.FAM230E-LOC105377182-GGT3P.NCBI. actttaagtgtctctacctacatggtgccaccaagtgtcaaatgaaatattcttaagg 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

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human.FAM230E-LOC105377182-GGT3P.NCBI. ctctcactggtcttaagtgtctctcttggtagagaccaatcactggtcaaggaagt 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

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human.FAM30B-LOC105372935-GGT2.NCBI. ----- 65028
human.FAM230E-LOC105377182-GGT3P.NCBI. tcattctctccagctctccccagtgcaaaagaaacagctgagaccatcagatactgg 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

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chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 67152
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human.FAM230E-LOC105377182-GGT3P.NCBI. cttttgtgatgcaataatgagtttaaccagaatgcatccgatttacagaccttacaagg 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

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chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 67152
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human.FAM230E-LOC105377182-GGT3P.NCBI. cactaggccagcggatcatgcacgtcctccccaccaaaggtaaacagtgtaagtggcc 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

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human.FAM230E-LOC105377182-GGT3P.NCBI. tgaatgagccaggacagcgggtcaaatcaactgtctaggctggaagcaggttataaac 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

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human.FAM230E-LOC105377182-GGT3P.NCBI. aatccggacaaataaataactactggattgactttaaccacacacattcagctgcacct 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

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human.FAM30B-LOC105372935-GGT2.NCBI. ----- 65328
human.FAM230E-LOC105377182-GGT3P.NCBI. gtttataataactccttaattccctctgccccacaaagggctctgacctgaaaa 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

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chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 67152
human.FAM30B-LOC105372935-GGT2.NCBI. ----- 65388
human.FAM230E-LOC105377182-GGT3P.NCBI. taatgctctcaacataaaaagaattgtttctcttggcagtttaattccccctccaca 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

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human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
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human.FAM230E-LOC105377182-GGT3P.NCBI. atatacaatctaaaaacaggataaatctttgttaagtacaagaacattaaaaagaacattaa 68208
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 57310
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 46364
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chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 67427
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human.FAM230E-LOC105377182-GGT3P.NCBI. gtttgggttaaaaatgcaaaactgcatatgcagggaaattaccgttaaaaaaaaaaaatc 68268
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 57310
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 46364
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

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human.FAM230E-LOC105377182-GGT3P.NCBI. cgggtcctaaaagaatgttggggaat--ctatgcagtcaccaagttaaaatgggaact 68746
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 57310
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 46364
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
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human.FAM230E-LOC105377182-GGT3P.NCBI. gaacttaaggctccagagggaaagcaatcggaaggcacttccacagccacatcggtga 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 31039

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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 46364
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 31039

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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 31039

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human.FAM30B-LOC105372935-GGT2.NCBI. agcttactaaaaatacaaaaattagccgggtgtgatggcacaagcctgtaatcccagca 69345
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

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human.FAM30B-LOC105372935-GGT2.NCBI. ctttgggagccaaggcagatgggtcacttgaggttaggggttcgagaccagcctggcca 69405
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
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human.FAM30B-LOC105372935-GGT2.NCBI. cctgtaatcccagctactcaggaggtgagggcaggagaattgcttgaacctgggagatgg 69525
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

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human.FAM30B-LOC105372935-GGT2.NCBI. aggttgacagcagccagatgcaccactgcactccagccactcggtcaatgctactgc 69585
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

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human.FAM30B-LOC105372935-GGT2.NCBI. gcttgaggttcagcttccctaaagcca-caggtgcaaggacctatctggatccatacttt 69704
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

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human.FAM30B-LOC105372935-GGT2.NCBI. ca-----t 69707
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

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human.FAM30B-LOC105372935-GGT2.NCBI. caaaaatgtcccttgagccagggcacagtggtcatgcctataatcccagcactttggga 69767
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

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human.FAM30B-LOC105372935-GGT2.NCBI. gggcgagcaggtggatcacctgaggtcaggaggttcgagaccagcctggccaataggtg 69827
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310

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chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 68417
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.compl ----- 46364
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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.compl ----- 46364
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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.compl ----- 46364
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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTL5P.NCBI.rev.compl	-----	46364
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
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human.FAM230E-LOC105377182-GGT3P.NCBI. gggcaagcctctgtctcaaaaaaaaaaaaaaaaaaaaaaagaagaagaagaagaa 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
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human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF 31039

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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl 57310
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF 46364
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl 57310
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF 46364
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human.FAM230E-LOC105377182-GGT3P.NCBI. gtattcatagtagcccaaacctggaacaaccaaatgcccactcagttgtgaagagatg 90757
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl 57310
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF 46364
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl 46364
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 57310
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human.FAM230E-LOC105377182-GGT3P.NCBI. gctcacaata-gtcaaggagagaatctcctcattcattgagaagcagaagatggcgt 92188
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human.FAM230E-LOC105377182-GGT3P.NCBI. taaagagtattcacaggaactaagattgccagagggagaactcagtgagttgtcagtg 92248
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTL3P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.compl.REF ----- 31039

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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTL3P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.compl.REF ----- 31039

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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTL3P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.compl.REF ----- 31039

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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTL3P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.compl.REF ----- 31039

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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTL3P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.compl.REF ----- 31039

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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTL3P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.compl.REF ----- 31039

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chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 69849
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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTL3P.NCBI.rev.compl ----- 46364
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chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 69849
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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTL3P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.compl.REF ----- 31039

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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTL3P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.compl.REF ----- 31039

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human.FAM230J-LOC105372942-GGTL3P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.compl.REF ----- 31039

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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTL3P.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTL3P.NCBI.rev.compl ----- 46364
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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTL3P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.compl.REF ----- 31039

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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTL3P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.compl.REF ----- 31039

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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTL3P.NCBI.rev.compl ----- 46364
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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTL3P.NCBI.rev.compl ----- 46364
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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTL3P.NCBI.rev.compl ----- 46364
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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTL3P.NCBI.rev.compl ----- 46364

chimp.LOC112206744-LOC107973052-GGT2.revcomp1 ----- 61762
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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

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human.FAM30B-LOC105372935-GGT2.NCBI. ----- tcataaagggttacctagtttggggtaagcccgaatgaatatcgcaccatctcctc 99673
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

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human.FAM30B-LOC105372935-GGT2.NCBI. ----- ccaacaccaaaccactgccaaacaaagctgaagaggaacacagaaggtctccgagaag 99793
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

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human.FAM30B-LOC105372935-GGT2.NCBI. ----- tgctgcttgaggagagaagaatggccctgcacagaggctcctgagggcagcaggtgctg 99853
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 31039
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF -----

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 TGCAATGCACCTAACCAAGAAAGCTGTATCGCTTT 70187
human.FAM30B-LOC105372935-GGT2.NCBI. tttgtctgagggcttgagaaaaaagtctctctctctttgggttaaagctctaaatgctg 103393
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 agcccgtgacgcaaaccttaagactactcgggtccagttcattctatctggaggagtc 103453
human.FAM30B-LOC105372935-GGT2.NCBI. ----- 57310
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 46364
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 31039
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF -----

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 acttgggaattgaaacacaggaaactttttctgtgctcatgaaacaagaacgct 103513
human.FAM30B-LOC105372935-GGT2.NCBI. -----

human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 70187
human.FAM30B-LOC105372935-GGT2.NCBI. taactgaattagacacaaaactaagtatttggttgcatcttaacaggttcaaacag 103573
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 70187
human.FAM30B-LOC105372935-GGT2.NCBI. gttcattttaatttaacataatttcaaaattatagcaaaatagtcataaaatcgaac 103633
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 70187
human.FAM30B-LOC105372935-GGT2.NCBI. gtgcttaatttgatgaattatggtttttgaagaaaatagcagaataaacaagtcaa 103693
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 70187
human.FAM30B-LOC105372935-GGT2.NCBI. ttattctcactaaatacatataaatttaagggtaatatttttattatgactgtctctct 103753
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 70187
human.FAM30B-LOC105372935-GGT2.NCBI. gatatagcaaaattattgttatatagttatgaaggaggctcactactcccgaatgatt 103813
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 70187
human.FAM30B-LOC105372935-GGT2.NCBI. tcacaaattacagcttcagccagctataaaaataacaaatcagttctgatagccataa 103873
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 70187
human.FAM30B-LOC105372935-GGT2.NCBI. aattaagcctgaaaaatagtgaaatcatccctttaaatacaagttgttgaacaat 103933
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

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chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 70187
human.FAM30B-LOC105372935-GGT2.NCBI. atgttctgcatgattccattatgctcagaaaaatataatttgtgaagtatacacaga 103993
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 70187
human.FAM30B-LOC105372935-GGT2.NCBI. aaagggtctgggagaatatatacacaactataaagaatctatatcaaatcaatagggg 104053
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 70207
human.FAM30B-LOC105372935-GGT2.NCBI. catagacaaggagggaactttcacattttactttccacattctttttttttttttttt 104113
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 70267
human.FAM30B-LOC105372935-GGT2.NCBI. ATAGAGCCTCACTCTGTCTCCAGGCTGGAGTGCAATGATGTGATCTTGGGTACAGCAA 70267
human.FAM230E-LOC105377182-GGT3P.NCBI. acggagtctcactctgttgcagggtggagtgcagtggcgcaatcttggctcactgcaa 104173
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 57310
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 46364
----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 70327
human.FAM30B-LOC105372935-GGT2.NCBI. TCTCTCCCTTCTAGGCTCAAGCGATTCTCCACCTCAGCATCCCAAGTAGCTGGGACTAC 70327
human.FAM230E-LOC105377182-GGT3P.NCBI. gctccgctccccgggttcacacattctctcctcagcctccccagtagctgggactac 104233
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 57310
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 46364
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chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 70387
human.FAM30B-LOC105372935-GGT2.NCBI. AAGTGTGCCAACTAGAAATTATATAGCCACCCAGCTAATTTTGTATTTTGTAGA 70387
human.FAM230E-LOC105377182-GGT3P.NCBI. aggcaccgc-----caccagcccagcgaatatttttatattt----- 104272
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 57310
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 46364
----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 70447
human.FAM30B-LOC105372935-GGT2.NCBI. GGCAGGGTCTCGCCATGTTGCCAGGCTGGTCTTGAACCTCTGGGCTTCAAGTCCACC 70447
human.FAM230E-LOC105377182-GGT3P.NCBI. ---ggggttcaactgcgttagccaggatggtctcaatctctgacct--gtgatctgcc 104327
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 57310
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 46364
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chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 70500
human.FAM30B-LOC105372935-GGT2.NCBI. CACCTCAACCTCC-----AACAAAGTGCCAAAGATTACAGCCATGAGCCACCATGCCCA 70500
human.FAM230E-LOC105377182-GGT3P.NCBI. cacctcaccacctcagctcccaagtgcgtggattacagggctgactttctacattct 104387
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 57310
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 46364
----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 70560
human.FAM30B-LOC105372935-GGT2.NCBI. GCATAACTATTTTAAATGAAGTAGACTTTAAGAAGAAAAGTATTATTAGAGGTAAGAGAC 70560
human.FAM230E-LOC105377182-GGT3P.NCBI. tgaacagaattatagtcaccgttacctccatcaaaaaatataaattcaaa----- 104437
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 57310
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 46364
----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 70620
human.FAM30B-LOC105372935-GGT2.NCBI. ACATCATGAAAAGAAGAAATTTACTAGGAGCCAGGCGCGTGGCTCATGCCTGAATCC 70620
human.FAM230E-LOC105377182-GGT3P.NCBI. -----aaattaggccagggcaggtggctcagcctgtaatccc 104475
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 57310
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 46364
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chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 70680
human.FAM30B-LOC105372935-GGT2.NCBI. AGCACTTTGTGAGGCCAAGGCGCGGATCACCTGAGGTTGGGAGTTCAACACCAGCCTGA 70680
human.FAM230E-LOC105377182-GGT3P.NCBI. agcaacttgggagctcggagcagcatcacctgaggtcaggaggtggagagcagcctga 104535
----- 57310

human.FAM230J-LOC105372942-GGTL3.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.compl.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 70736
human.FAM30B-LOC105372935-GGT2.NCBI. ----- cttggccaacatggtgaacccccatctctactaaaaatacaaaaattagccggcgctggtg 104595
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTL3.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.compl.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- GCATATGCCTGTAATCCCAGCTACTCAGGAGGCTGAGGGAAGAGAATGCTTGGACCCAG 70796
human.FAM30B-LOC105372935-GGT2.NCBI. ----- gagggcactgtaatcccagctactctggaggctaaggcaggagaatcacttaaacccgg 104655
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTL3.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.compl.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- GAAGTGGAGATTGAGGTGAGCTGAGATTGTGCCATTGCATTCCAGCTGGGCAACAAGAG 70856
human.FAM30B-LOC105372935-GGT2.NCBI. ----- gagggcggaggtgagtgagccaagattgtgccactgcactccggcccgggtaac-agag 104714
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTL3.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.compl.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- CAAACTCTGCTCAAAAAAAAAAAAAAAAAAAAAAAAAAAGGAA----- 70899
human.FAM30B-LOC105372935-GGT2.NCBI. ----- cgagactccatctcaaaaatgaatgaattaattaattaataagcaacaataataagc 104774
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTL3.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.compl.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- tacctcctgaagtgaacccagctatctctcacccttacctttacataataactttaccta 104834
human.FAM30B-LOC105372935-GGT2.NCBI. ----- 57310
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTL3.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.compl.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- atgcattttatctgctgttcttaaatcatgacttacttcaaatcaaatcttaagtgaatat 104894
human.FAM30B-LOC105372935-GGT2.NCBI. ----- 57310
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTL3.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.compl.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
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human.FAM30B-LOC105372935-GGT2.NCBI. ----- 57310
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTL3.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.compl.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- ctttttaaaaaggatagattgatctggctgggatagggtaggtgatcgaccgccga 105014
human.FAM30B-LOC105372935-GGT2.NCBI. ----- 57310
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTL3.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.compl.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- -----GTTACTAGTAGTTTCAGTA 70919
human.FAM30B-LOC105372935-GGT2.NCBI. ----- ggaaatgacggctgctcaactgtgcatctctctcaccctgctgaaaagtgccacct 105074
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTL3.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.compl.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- ATTC'TTAACATCCAGGAACTGGATGTGAAAGCTTTTCAGAGAAGCTAAACCAATAGGTT 70979
human.FAM30B-LOC105372935-GGT2.NCBI. ----- agcatggtcaatcaaggctaccaatgcaaagcagtagtgggcaaacaccacc--aggtt 105132
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTL3.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.compl.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- ATACATAGAGAGAGATTTATTTAGGAATTGGCTTACATGATTGTGGGACTAGCAAGTTT 71039
human.FAM30B-LOC105372935-GGT2.NCBI. ----- atccaaagcagcacatggggtgggaaactgatgacctggagatttcaaatcacctaa 105192
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTL3.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.compl.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- AAAATCTGTAGGGCAAGCCAGCCGGCTATAAATTCAGGTAAGAGTTGATCTCGAAGTCTT 71099
human.FAM30B-LOC105372935-GGT2.NCBI. ----- caa-----taacccaccttccctaacacagggctaag--caacctaattggatg 105240
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTL3.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.compl.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- GAACCTAAATCTGTAGAGCAGTCAGCAGGCCAGAACTCAGGCAGGGTTTG----- 71151
human.FAM30B-LOC105372935-GGT2.NCBI. ----- gaacatatgtgtcttggctatccgcaaccagaccactagactaattttgcttagaa 105300
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTL3.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.compl.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- -----TGTTGTTACAGTCTTGAAGCAG 71172
human.FAM30B-LOC105372935-GGT2.NCBI. ----- cttggactatatacaagtgtgaacgatcactctgttatcatgtgggaaaaaggtttaatt 105360
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTL3.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.compl.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- AATTCCTGCTTCTCTGGGAACTCAGTTTT-----TGTTCTTAAGCCCTTCAA 71221
human.FAM30B-LOC105372935-GGT2.NCBI. ----- actcctaattgtctgggaaacaaaagatttcaaaaataggactcctgggggaggaga 105420
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTL3.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTL3.18516335.18518165.rev.compl.REF ----- 31039

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human.FAM30B-LOC105372935-GGT2.NCBI. ggaagtgggaacgtggaatcctcacacagaatgtaaaatggtacagctctggagaac 109727
human.FAM230E-LOC105377182-GGT3P.NCBI. 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl 61762
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human.FAM30B-LOC105372935-GGT2.NCBI. attttagcagtttctcaaatgtttaacgtagctactacacagccagcaattcaactcc 109787
human.FAM230E-LOC105377182-GGT3P.NCBI. 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF 31039

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chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 CCTGACTTCCGCTGGTACCAATAAACAATATCCACCTCCAACAGTATTCCACAGCAGGTG 73329
human.FAM30B-LOC105372935-GGT2.NCBI. cagatatacactgagagaactgaaaggatgtccacacaaaaatttcagaggaactc 109847
human.FAM230E-LOC105377182-GGT3P.NCBI. 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF 31039

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chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ATCCTGGC----- 73337
human.FAM30B-LOC105372935-GGT2.NCBI. gtacacacttgttcacagtagcattatttcataatagcccaagtggcaaaaacgcaaatg 109907
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
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chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 73337
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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

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chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 73337
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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

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chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 73371
human.FAM30B-LOC105372935-GGT2.NCBI. -----CATCTGTAATGGGGCCACTGACACTGAGGGTGGC 73371
human.FAM230E-LOC105377182-GGT3P.NCBI. aactagggttgaaaactccagcaagtagtttgaatgggggagatgaagcaaacctaagt 110627
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 57310
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 46364
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human.FAM230E-LOC105377182-GGT3P.NCBI. aactgcaatgattcaacggaatttgcaaaaatgcagaagggcgagaaaagcaatgaaaa 110687
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 57310
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 46364
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chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 73442
human.FAM30B-LOC105372935-GGT2.NCBI. aatggatcagaagatttaaaatggctctacccccacaaagttttaaagcaagcaaga 110747
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

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chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 73442
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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

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chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 73474
human.FAM30B-LOC105372935-GGT2.NCBI. -----TCCTCAGGATTCCTTTGCACCTGCCTGGCTGG 73474
human.FAM230E-LOC105377182-GGT3P.NCBI. ttattgggagaaaaggtctcactgtgattgtctggaataaagttagcccatcgactgc 110927
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 57310
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 46364
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chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 73501
human.FAM30B-LOC105372935-GGT2.NCBI. GACAGAGCTTCTGGGATGAAAGGGAGC----- 73501
human.FAM230E-LOC105377182-GGT3P.NCBI. -----
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF

human.FAM30B-LOC105372935-GGT2.NCBI. ctcaggaaactcatggtggaagaggtgccactggaaaatggctaagtcgggatcttcccca 110987
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

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chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 73501
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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

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chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 73507
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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

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chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 73567
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human.FAM230E-LOC105377182-GGT3P.NCBI. atgctcccagactgaactcaaacctcctaggctcaagagattcttccacttcagcctcct 111167
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 57310
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 46364
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chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 73577
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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 31039

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chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 73627
human.FAM30B-LOC105372935-GGT2.NCBI. -----CAAGGTCATGAGCATCCTTTCCACCACAGGCAGGCCCTGCT---GAGCTCAC 73627
human.FAM230E-LOC105377182-GGT3P.NCBI. atcttgacaatgccaccagatggttttcttttagagacagagctcgccttctgagccag 111287
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 57310
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 46364
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chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 73686
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human.FAM230E-LOC105377182-GGT3P.NCBI. gctggagaacagtgggtgatcctggctcactgcagcctcaaacacctggactcaggaga 111347
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 57310
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 46364
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chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 73746
human.FAM30B-LOC105372935-GGT2.NCBI. CAGCACCTGTGAGTGCAGGAGGAGGCTGAGAAAGGTCAGTCCATGACTGAGACATCCC 73746
human.FAM230E-LOC105377182-GGT3P.NCBI. tccccctgcctcagcctctcaggtagctgaga----- 111379
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 57310
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 46364
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chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 73806
human.FAM30B-LOC105372935-GGT2.NCBI. TGATGCTGCTTCTGTGGCCAGGGCGGGTAGGTTTCTCCAGGCCTCTTATCCCTT 73806
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 111379
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 57310
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 46364
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chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 73866
human.FAM30B-LOC105372935-GGT2.NCBI. GATGGAGAAAGCGCCCGTGATGCAAGTCAGCAGAATCAGGGGCTGCTACTGGAGTAGCT 73866
human.FAM230E-LOC105377182-GGT3P.NCBI. -----ctacaggtgcgcaccaccacacttggcgaattttatttttttt 111425
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 57310
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 46364
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chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 73922
human.FAM30B-LOC105372935-GGT2.NCBI. -----TTGTAGTTTCCAGAGAAGGGCTCAGCCCCAAGGGACACAGAGAGGGGAGGGAGGA 73922
human.FAM230E-LOC105377182-GGT3P.NCBI. ttattatactttaagttctaggtatatacacctggctaataaaaatgtttatctgt 111485
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 57310
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 46364
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chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 73938
human.FAM30B-LOC105372935-GGT2.NCBI. CCCTACAGATCCACCT----- 73938
human.FAM230E-LOC105377182-GGT3P.NCBI. acagacaggttctcgttatgttgcacagctggtctcgaactctcggcctcaagcaatcc 111545
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 57310
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 46364
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chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 73957
human.FAM30B-LOC105372935-GGT2.NCBI. -----CAGCCACAGAAATTCCTCT 73957
human.FAM230E-LOC105377182-GGT3P.NCBI. tctcctcctcaccttccaaagccccgaatatgccacatccagcctgccaccagttctt 111605
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 57310
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 46364
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chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 74017
human.FAM30B-LOC105372935-GGT2.NCBI. TCACTTGCTGGTCCCAAAGTCTGGGCCAACATCTTTACCTTAAACTATGTCTTGGCCTCG 74017
human.FAM230E-LOC105377182-GGT3P.NCBI. ttgcatacttcttcttaggcttgaaccaagacctttactttctctgtgacagctcagc 111665
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 57310
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 46364
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chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 74020
human.FAM30B-LOC105372935-GGT2.NCBI. GTT----- 74020
human.FAM230E-LOC105377182-GGT3P.NCBI. attgaaaaaaaaaaaaaaaaagtttaggctgggcacaaatgggtcacgcctgtaatccaaca 111725
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 57310
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 46364
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chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 74036
human.FAM30B-LOC105372935-GGT2.NCBI. -----CTCAGCTAGCCAGGCC 74036
human.FAM230E-LOC105377182-GGT3P.NCBI. cttagggtggccaagtgagggtttgcttgaaccagaggttccacaccagcctaggga 111785
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 57310
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 46364
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chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 74070
human.FAM30B-LOC105372935-GGT2.NCBI. AGGTGGAGTTCACAGATCATCTTGTCTGCATTTT 74070
human.FAM230E-LOC105377182-GGT3P.NCBI. agatggcaagaccacatctctccaaaacaattttgtaaaattagccaggtgtgctgggt 111845
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 57310
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 46364
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chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 74094
human.FAM30B-LOC105372935-GGT2.NCBI. -----GTGAGCCCATTCATAGTTAACAG 74094
human.FAM230E-LOC105377182-GGT3P.NCBI. cgggctcagctcagctagtgagaagactaaggcaagaggaaccttgaaccaggag 111905
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 57310
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF ----- 46364
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chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 74153
human.FAM30B-LOC105372935-GGT2.NCBI. CAGAAGACTTGTAGGTTCTGGGCTCCTGCCACAGAGCAGGTG-TGGATTCAGAACCTGC 74153
human.FAM230E-LOC105377182-GGT3P.NCBI. ttcaaggtcaggtgagctgtgatcactctccagcctgggtgatagggtgagaccagct 111965

human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18518165.rev.compl.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
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human.FAM30B-LOC105372935-GGT2.NCBI. cctcgaaaacaatataaaataaaaaaagtgaataatgagctctcttttagaggcaatg 112025
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18518165.rev.compl.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 AATTCCTCTTCTTTATTTGGCCTTATATGCCCTCAATACCAGGCATAAGGGGCTCGGTTAC 74263
human.FAM30B-LOC105372935-GGT2.NCBI. ttttttctctttttgttttccttaggctatatgcacaatagacaaaagtgaatttaa 112085
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18518165.rev.compl.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 CCAT----- 74267
human.FAM30B-LOC105372935-GGT2.NCBI. tcttaatctcgtaaaccttactgtccaacacatcaaaactcaaaaaaaaaaagacaa 112145
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18518165.rev.compl.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
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human.FAM30B-LOC105372935-GGT2.NCBI. aaacaaaaaaggtgaaagcgctacaagagaaaaagggaaagtaactgtgccaaatgtac 112205
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18518165.rev.compl.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 -----ACCTAAGACATCCCTCTACTGTCTACTGGGTGGTAAGTGGT 74351
human.FAM30B-LOC105372935-GGT2.NCBI. atctctccacaatttgggacaaaaatgatgctacctggtctctgggtgccaaaataag 112265
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18518165.rev.compl.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 CCAATGCATCTTACCAAGGCTCTGCATATAGTGCCGCAGACCTCAGACACCAAGTTTCAT 74411
human.FAM30B-LOC105372935-GGT2.NCBI. acattagagacactcccctc-cttcaagaaaataaattggaatcagacactaagatacaa 112324
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18518165.rev.compl.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 GGCTCCAGGTGTAGAAAAACATGAGGCAGTGGTGGCTCCTGCCAGAAACAAAGGCAGG 74471
human.FAM30B-LOC105372935-GGT2.NCBI. ttaaacagactttgaaagtggatgactactgggaggtgtctcacagct---ggcagg 112381
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18518165.rev.compl.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 AGCATATCCACCAGCCAATA----- 74492
human.FAM30B-LOC105372935-GGT2.NCBI. gtcaactgcaactagaaagaaagctcctaagggcagaaactaagtggtcacttctctctg 112441
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18518165.rev.compl.REF ----- 31039

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chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 -----TTTATTGAGA 74502
human.FAM30B-LOC105372935-GGT2.NCBI. taacactgccgtgccagcactgtaccagacccagcagagtcacaactttccgctcaa 112501
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18518165.rev.compl.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 CCCACTCTGATCCGGCAATATTTCCATCCTGGGAATTCAGCATGAGAAAGACTGTCTCTGA 74562
human.FAM30B-LOC105372935-GGT2.NCBI. gccacacacttacggtctcatcgccagtgaggccgcagatgagacatagtgtgccaaa 112561
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18518165.rev.compl.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 CCCCAGGAGTTTCTACATGGGGTGGGGCTGTGTCATAGAAACAGTTTGTAGTAGAAG 74622
human.FAM30B-LOC105372935-GGT2.NCBI. tcccaaatg----- 112570
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18518165.rev.compl.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 CACCATCTTCTACCTGTGTATTTTCTCCTCTATTTATTACAAAAGATCCTTGTTTTCC 74682
human.FAM30B-LOC105372935-GGT2.NCBI. ----- 112570
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18518165.rev.compl.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 CTGGTCACTCTTGCTTGGACTGACCACATGGTCCCATGCTGGCCAGGGCTGAAGGG 74742
human.FAM30B-LOC105372935-GGT2.NCBI. -----cacaggtgcccagacaagtctcgaggaggcaggag 112605
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18518165.rev.compl.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 TCAGGTGGTTG----- 74753
human.FAM30B-LOC105372935-GGT2.NCBI. gactaggaagcctccaggaaggtgatgcctgagctgagttgttttctttgagttt 112665
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18518165.rev.compl.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ggaacattaatttaacgaggaaacaagggacatgaaaagggcaagaaataagaaaa 112725
human.FAM30B-LOC105372935-GGT2.NCBI. ----- 57310
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 46364
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 31039
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18518165.rev.compl.REF -----

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 -----GAGATCTTCTCAGGAACATTTTCTTCTGTGATGG 74788
human.FAM30B-LOC105372935-GGT2.NCBI. tgagctgagtttgaaggcaatgatcagatgaagtgagagaagaatattccagcagaggg 112785
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18518165.rev.compl.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 AAATAAACAGACTG-----TTTTCGTGCAGCACCTTGTCT 74823
human.FAM30B-LOC105372935-GGT2.NCBI. agacaaggagactgcagagattcaagggccaagagctgttcggtgcagctcagtgag 112845
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18518165.rev.compl.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcompl ----- 61762
chimp54546-135457.revcompl.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 CTGTAATATGGGTATAATAGCTGGAGCTGCAGCAGCCATCCTGAGGCTTAAGTCCACAC 74883
human.FAM30B-LOC105372935-GGT2.NCBI. cacctaaacagaggtggggaaggaacaggggtcaaagccagatattgaagtgtctcg 112905
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310

chimp.LOC112206744-LOC107973052-GGT2.revcomp1 ----- 61762
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 76371
human.FAM30B-LOC105372935-GGT2.NCBI. tctcggcgcatcgcaatcccttccccccccgggttcaagtgatctccagctcagcc 114972
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcomp1 ----- 61762
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 76371
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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcomp1 ----- 61762
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 76371
human.FAM30B-LOC105372935-GGT2.NCBI. tagagacggggtttcactatgtggccaggtggtctccaactcctgatctcgtgatccg 115092
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcomp1 ----- 61762
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 76371
human.FAM30B-LOC105372935-GGT2.NCBI. tctgcccgacctcccaagtgtaggattataggcataagccaccagcccgccctctt 115152
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcomp1 ----- 61762
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 76371
human.FAM30B-LOC105372935-GGT2.NCBI. tttttctttttctttcttcttctggagactgagtttcttcttcttggccaggctgga 115212
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcomp1 ----- 61762
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 76371
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human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcomp1 ----- 61762
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human.FAM30B-LOC105372935-GGT2.NCBI. cagtgatccacgggcagatctgcccattgtggcacctgttctcccgaaccttctgt 115332
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcomp1 ----- 61762
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 76371
human.FAM30B-LOC105372935-GGT2.NCBI. gcccgctctctctctcccgtaacctattgcatgaccccccaactcggcctcccgcattg 115392
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcomp1 ----- 61762
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 76371
human.FAM30B-LOC105372935-GGT2.NCBI. ccagcaagtgcctcgcgcgggtacctggctgcgcttattaatccgtaagctcgtctgt 115452
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcomp1 ----- 61762
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 76371
human.FAM30B-LOC105372935-GGT2.NCBI. cacggcgccgtagtgctcagcgcccgtccctcaggtttaaaggcggcttgcccg 115512
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcomp1 ----- 61762
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 76371
human.FAM30B-LOC105372935-GGT2.NCBI. gcaacagaagaactgctggcttagcgttgccgagtgccgctggacgaggacgctc 115572
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcomp1 ----- 61762
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 76371
human.FAM30B-LOC105372935-GGT2.NCBI. agagcccagctctcgagagttcaagcaaccgacgggtccccactgctcccaggagcgggt 115632
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcomp1 ----- 61762
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 76371
human.FAM30B-LOC105372935-GGT2.NCBI. acctgggcactctgtgccctccttctctgttcgggcccaggccgaggacctgccagtagg 115692
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcomp1 ----- 61762
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 76371
human.FAM30B-LOC105372935-GGT2.NCBI. gctcagttgctggagcccgttcagccatccccagttcactttgcttgggatctcc 115752
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcomp1 ----- 61762
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 76371
human.FAM30B-LOC105372935-GGT2.NCBI. ccggtgctcctgccctggactgagtgccagccatctacaagcaccggacactgac 115812
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcomp1 ----- 61762
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human.FAM30B-LOC105372935-GGT2.NCBI. atcagtggtgcaagacaacttaagaaggttttccgtgatcctgcaagccctgccttcc 115872
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.comp1.REF ----- 31039

chimp.LOC112206744-LOC107973052-GGT2.revcomp1 ----- 61762
chimp54546-135457.revcomp1.Pan.troglodytes.clone.rp43-41g5.GenBank:AC099533.36 ----- 76371
human.FAM30B-LOC105372935-GGT2.NCBI. ttccctgggatcctgccttcaatttgattgacaggtaccacagcaagccagctgctgctg 115932
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
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human.FAM30B-LOC105372935-GGT2.NCBI. ctccgagttccaggcgctcctccagctcagccactgcactgagaacatggactctctgtg 115992
human.FAM230E-LOC105377182-GGT3P.NCBI. ----- 57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.comp1 ----- 46364
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl	-----	46364
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human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl	-----	46364
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human.FAM30B-LOC105372935-GGT2.NCBI.	ggacaagga	116121
human.FAM230E-LOC105377182-GGT3P.NCBI.	-----	57310
human.FAM230J-LOC105372942-GGTLC5P.NCBI.rev.compl	-----	46364
human.FAM230A.ncrRNA.18487127.18500594-GGTLC3.18516335.18518165.rev.compl.REF	-----	31039