Supplementary Information SI1

Alignment of cDNA Copies of the *AHR* mRNA Sequence Variants Studied

The MegAlign module of the DNASTAR LaserGene 10 Core Suite was used. Sequence differences with the present-day human reference *AHR* transcript sequence (upper line; curated "gold" standard transcript AHR-201; Ensembl code ENST00000242057.8) are highlighted in red. The synthesized complete modern human *AHR* cDNA sequence derived from ENST00000242057.8 is aligned below (AHR_Modern.seq), and on the third line the complete Altai-Neanderthal cDNA sequence (AHR_Neanderthal.seq) synthesized according to Prüfer et al. (2014) [*Nature* 505:43-49]. The extra 3'-terminal T of these synthesis products was added based on the RefSeq AHR transcript NM_001621.4, which is also curated. The respective sequence files of the modern human and Neanderthal AHR cDNA synthesized are available in FASTA format (Supplementary Information, SI2 and SI3, respectively). To show the difference with the *AHR* mRNA coding region sequence investigated by Hubbard et al. (2016) [*Mol Biol Evol* 33(10):2648–2658], the next three lines show the alignment of the coding region of the reference *AHR* mRNA (AHR_201_Hum_ENST00000245057.8_CDS.seq), and the codon-optimized modern human *AHR* cDNA synthesized as the parent sequence (AHR_Modern_Hubbard.seq) for the generation of their Neanderthal *AHR* cDNA (AHR_Neanderthal_Hubbard.seq) by mutagenesis (two codons indicated by a green arrow).

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                                          10        20        30        40        50
AHR_201_Hum_ENST00000242057.8.seq         ATTCAGCCGGTGCGCGCGGCGGCGGGAGGCAGTGGCTGGGGAGTCCCGTC  50
AHR_Modern.seq                            ATTCAGCCGGTGCGCGCGGCGGCGGGAGGCAGTGGCTGGGGAGTCCCGTC  50
AHR_Neanderthal.seq                       ATTCAGCCGGTGCGCGCGGCGGCGGGAGGCAGTGGCTGGGGAGTCCCGTC  50
AHR_201_Hum_ENST00000242057.8_CDS.seq     --------------------------------------------------   0
AHR_Modern_Hubbard.seq                    --------------------------------------------------   0
AHR_Neanderthal_Hubbard.seq               --------------------------------------------------   0

                                          60        70        80        90       100
AHR_201_Hum_ENST00000242057.8.seq         GACGCTCTGTTCCGAGAGCGTGCCCCGGACCGCCAGCTCAGAACAGGGGC 100
AHR_Modern.seq                            GACGCTCTGTTCCGAGAGCGTGCCCCGGACCGCCAGCTCAGAACAGGGGC 100
AHR_Neanderthal.seq                       GACGCTCTGTTCCGAGAGCGTGCCCCGGACCGCCAGCTCAGAACAGGGGC 100
AHR_201_Hum_ENST00000242057.8_CDS.seq     --------------------------------------------------   0
AHR_Modern_Hubbard.seq                    --------------------------------------------------   0
AHR_Neanderthal_Hubbard.seq               --------------------------------------------------   0

                                         110       120       130       140       150
AHR_201_Hum_ENST00000242057.8.seq         AGCCGTGTAGCCGAACGGAAGCTGGGAGCAGCCGGGACTGGTGGCCCGCG 150
AHR_Modern.seq                            AGCCGTGTAGCCGAACGGAAGCTGGGAGCAGCCGGGACTGGTGGCCCGCG 150
AHR_Neanderthal.seq                       AGCCGTGTAGCCGAACGGAAGCTGGGAGCAGCCGGGACTGGTGGCCCGCG 150
AHR_201_Hum_ENST00000242057.8_CDS.seq     --------------------------------------------------   0
AHR_Modern_Hubbard.seq                    --------------------------------------------------   0
AHR_Neanderthal_Hubbard.seq               --------------------------------------------------   0

                                         160       170       180       190       200
AHR_201_Hum_ENST00000242057.8.seq         CCCGAGCTCCGCAGGCGGGAAGCACCCTGGATTTAGGAAGTCCCGGGAGC 200
AHR_Modern.seq                            CCCGAGCTCCGCAGGCGGGAAGCACCCTGGATTTAGGAAGTCCCGGGAGC 200
AHR_Neanderthal.seq                       CCCGAGCTCCGCAGGCGGGAAGCACCCTGGATTTGGGAAGTCCCGGGAGC 200
AHR_201_Hum_ENST00000242057.8_CDS.seq     --------------------------------------------------   0
AHR_Modern_Hubbard.seq                    --------------------------------------------------   0
AHR_Neanderthal_Hubbard.seq               --------------------------------------------------   0

                                         210       220       230       240       250
AHR_201_Hum_ENST00000242057.8.seq         AGCGCGGCGGCACCTCCCTCACCCAAGGGGCCGCGGCGACGGTCACGGGG 250
AHR_Modern.seq                            AGCGCGGCGGCACCTCCCTCACCCAAGGGGCCGCGGCGACGGTCACGGGG 250
AHR_Neanderthal.seq                       AGCGCGGCGGCACCTCCCTCACCCAAGGGGCCGCGGCGACGGTCACGGGG 250
AHR_201_Hum_ENST00000242057.8_CDS.seq     --------------------------------------------------   0
AHR_Modern_Hubbard.seq                    --------------------------------------------------   0
AHR_Neanderthal_Hubbard.seq               --------------------------------------------------   0

                                         260       270       280       290       300
AHR_201_Hum_ENST00000242057.8.seq         CGCGGCGCCACCGTGAGCGACCCAGGCCAGGATTCTAAATAGACGGCCCA 300
AHR_Modern.seq                            CGCGGCGCCACCGTGAGCGACCCAGGCCAGGATTCTAAATAGACGGCCCA 300
AHR_Neanderthal.seq                       CGCGGCGCCACCGTGAGCGACCCAGGCCAGGATTCTAAATAGACGGCCCA 300
AHR_201_Hum_ENST00000242057.8_CDS.seq     --------------------------------------------------   0
AHR_Modern_Hubbard.seq                    --------------------------------------------------   0
AHR_Neanderthal_Hubbard.seq               --------------------------------------------------   0
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                                                  310       320       330       340       350
AHR_201_Hum_ENST00000242057.8.seq   GGCTCCTCCTCCGCCCGGGCCGCCTCACCTGCGGGCATTGCCGCGCCGCC 350
AHR_Modern.seq                      GGCTCCTCCTCCGCCCGGGCCGCCTCACCTGCGGGCATTGCCGCGCCGCC 350
AHR_Neanderthal.seq                 GGCTCCTCCTCCGCCCGGGCCGCCTCACCTGCGGGCATTGCCGCGCCGCC 350
AHR_201_Hum_ENST00000242057.8_CDS.seq ---------------------------------------------- 0
AHR_Modern_Hubbard.seq              ---------------------------------------------- 0
AHR_Neanderthal_Hubbard.seq         ---------------------------------------------- 0

                                                  360       370       380       390       400
AHR_201_Hum_ENST00000242057.8.seq   TCCGCCGGTGTAGACGGCACCTGCGCCGCCTTGCTCGCGGGTCTCCGCCC 400
AHR_Modern.seq                      TCCGCCGGTGTAGACGGCACCTGCGCCGCCTTGCTCGCGGGTCTCCGCCC 400
AHR_Neanderthal.seq                 TCCGCCGGTGTAGACGGCACCTGCGCCGCCTTGCTCGCGGGTCTCCGCCC 400
AHR_201_Hum_ENST00000242057.8_CDS.seq ---------------------------------------------- 0
AHR_Modern_Hubbard.seq              ---------------------------------------------- 0
AHR_Neanderthal_Hubbard.seq         ---------------------------------------------- 0

                                                  410       420       430       440       450
AHR_201_Hum_ENST00000242057.8.seq   CTCGCCCACCCTCACTGCGCCAGGCCCAGGCAGCTCACCTGTACTGGCGC 450
AHR_Modern.seq                      CTCGCCCACCCTCACTGCGCCAGGCCCAGGCAGCTCACCTGTACTGGCGC 450
AHR_Neanderthal.seq                 CTCGCCCACCCTCACTGCGCCAGGCCCAGGCAGCTCACCTGTACTGGCGC 450
AHR_201_Hum_ENST00000242057.8_CDS.seq ---------------------------------------------- 0
AHR_Modern_Hubbard.seq              ---------------------------------------------- 0
AHR_Neanderthal_Hubbard.seq         ---------------------------------------------- 0

                                                  460       470       480       490       500
AHR_201_Hum_ENST00000242057.8.seq   GGGCTGCGGAAGCCTGCGTGAGCCGAGGCGTTGAGGCGCGGCGCCCACGC 500
AHR_Modern.seq                      GGGCTGCGGAAGCCTGCGTGAGCCGAGGCGTTGAGGCGCGGCGCCCACGC 500
AHR_Neanderthal.seq                 GGGCTGCGGAAGCCTGCGTGAGCCGAGGCGTTGAGGCGCGGCGCCCACGC 500
AHR_201_Hum_ENST00000242057.8_CDS.seq ---------------------------------------------- 0
AHR_Modern_Hubbard.seq              ---------------------------------------------- 0
AHR_Neanderthal_Hubbard.seq         ---------------------------------------------- 0

                                                  510       520       530       540       550
AHR_201_Hum_ENST00000242057.8.seq   CACTGTCCCGAGAGGACGCAGGTGGAGCGGGCGCGGCTTCGCGGAACCCG 550
AHR_Modern.seq                      CACTGTCCCGAGAGGACGCAGGTGGAGCGGGCGCGGCTTCGCGGAACCCG 550
AHR_Neanderthal.seq                 CACTGTCCCGAGAGGACGCAGGTGGAGCGGGCGCGGCTTCGCGGAACCCG 550
AHR_201_Hum_ENST00000242057.8_CDS.seq ---------------------------------------------- 0
AHR_Modern_Hubbard.seq              ---------------------------------------------- 0
AHR_Neanderthal_Hubbard.seq         ---------------------------------------------- 0

                                                  560       570       580       590       600
AHR_201_Hum_ENST00000242057.8.seq   GCGCCGGCCGCCGCAGTGGTCCCAGCCTACACCGGGTTCCGGGGACCCGG 600
AHR_Modern.seq                      GCGCCGGCCGCCGCAGTGGTCCCAGCCTACACCGGGTTCCGGGGACCCGG 600
AHR_Neanderthal.seq                 GCGCCGGCCGCCGCAGTGGTCCCAGCCTACACCGGGTTCCGGGGACCCGG 600
AHR_201_Hum_ENST00000242057.8_CDS.seq ---------------------------------------------- 0
AHR_Modern_Hubbard.seq              ---------------------------------------------- 0
AHR_Neanderthal_Hubbard.seq         ---------------------------------------------- 0

                                                  610       620       630       640       650
AHR_201_Hum_ENST00000242057.8.seq   CCGCCAGTGCCCGGGGAGTAGCCGCCGCCGTCGGCTGGGCACCATGAACA 650
AHR_Modern.seq                      CCGCCAGTGCCCGGGGAGTAGCCGCCGCCGTCGGCTGGGCACCATGAACA 650
AHR_Neanderthal.seq                 CCGCCAGTGCCCGGGGAGTAGCCGCCGCCGTCGGCTGGGCACCATGAACA 650
AHR_201_Hum_ENST00000242057.8_CDS.seq ------------------------------------------ATGAACA 7
AHR_Modern_Hubbard.seq              ------------------------------------------ATGAACA 7
AHR_Neanderthal_Hubbard.seq         ------------------------------------------ATGAACA 7

                                                  660       670       680       690       700
AHR_201_Hum_ENST00000242057.8.seq   GCAGCAGCGCCAACATCACCTACGCCAGTCGCAAGCGGCGGAAGCCGGTG 700
AHR_Modern.seq                      GCAGCAGCGCCAACATCACCTACGCCAGTCGCAAGCGGCGGAAGCCGGTG 700
AHR_Neanderthal.seq                 GCAGCAGCGCCAACATCACCTACGCCAGTCGCAAGCGGCGGAAGCCGGTG 700
AHR_201_Hum_ENST00000242057.8_CDS.seq GCAGCAGCGCCAACATCACCTACGCCAGTCGCAAGCGGCGGAAGCCGGTG 57
AHR_Modern_Hubbard.seq              GCAGCAGCGCTAACATCACCTACGCTAGCCGGAAACGGCGGAAGCCCGTG 57
AHR_Neanderthal_Hubbard.seq         GCAGCAGCGCTAACATCACCTACGCTAGCCGGAAACGGCGGAAGCCCGTG 57

                                                  710       720       730       740       750
AHR_201_Hum_ENST00000242057.8.seq   CAGAAAACAGTAAAGCCAATCCCAGCTGAAGGAATCAAGTCAAATCCTTC 750
AHR_Modern.seq                      CAGAAAACAGTAAAGCCAATCCCAGCTGAAGGAATCAAGTCAAATCCTTC 750
AHR_Neanderthal.seq                 CAGAAAACAGTAAAGCCAATCCCAGCTGAAGGAATCAAGTCAAATCCTTC 750
AHR_201_Hum_ENST00000242057.8_CDS.seq CAGAAAACAGTAAAGCCAATCCCAGCTGAAGGAATCAAGTCAAATCCTTC 107
AHR_Modern_Hubbard.seq              CAGAAAACCGTGAAGCCCATCCCCGCTGAAGGCATCAAAAGCAACCCCAG 107
AHR_Neanderthal_Hubbard.seq         CAGAAAACCGTGAAGCCCATCCCCGCTGAAGGCATCAAAAGCAACCCCAG 107
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AHR_201_Hum_ENST00000242057.8.seq   CAAGCGGCATAGAGACCGACTTAATACAGAGTTGGACCGTTTGGCTAGCC 800
AHR_Modern.seq                      CAAGCGGCATAGAGACCGACTTAATACAGAGTTGGACCGTTTGGCTAGCC 800
AHR_Neanderthal.seq                 CAAGCGGCATAGAGACCGACTTAATACAGAGTTGGACCGTTTGGCTAGCC 800
AHR_201_Hum_ENST00000242057.8_CDS.seq CAAGCGGCATAGAGACCGACTTAATACAGAGTTGGACCGTTTGGCTAGCC 157
AHR_Modern_Hubbard.seq              CAAACGGCACCGGGATCGGCTGAACACGGAACTGGATCGGCTGGCTAGCC 157
AHR_Neanderthal_Hubbard.seq         CAAACGGCACCGGGATCGGCTGAACACGGAACTGGATCGGCTGGCTAGCC 157

                                                  810       820       830       840       850
AHR_201_Hum_ENST00000242057.8.seq   TGCTGCCTTTCCCACAAGATGTTATTAATAAGTTGGACAAACTTTCAGTT 850
AHR_Modern.seq                      TGCTGCCTTTCCCACAAGATGTTATTAATAAGTTGGACAAACTTTCAGTT 850
AHR_Neanderthal.seq                 TGCTGCCTTTCCCACAAGATGTTATTAATAAGTTGGACAAACTTTCAGTT 850
AHR_201_Hum_ENST00000242057.8_CDS.seq TGCTGCCTTTCCCACAAGATGTTATTAATAAGTTGGACAAACTTTCAGTT 207
AHR_Modern_Hubbard.seq              TGCTCCCCTTCCCCCAGGATGTGATCAACAAGCTGGATAAACTGAGCGTG 207
AHR_Neanderthal_Hubbard.seq         TGCTCCCCTTCCCCCAGGATGTGATCAACAAGCTGGATAAACTGAGCGTG 207

                                                  860       870       880       890       900
AHR_201_Hum_ENST00000242057.8.seq   CTTAGGCTCAGCGTCAGTTACCTGAGAGCCAAGAGCTTCTTTGATGTTGC 900
AHR_Modern.seq                      CTTAGGCTCAGCGTCAGTTACCTGAGAGCCAAGAGCTTCTTTGATGTTGC 900
AHR_Neanderthal.seq                 CTTAGGCTCAGCGTCAGTTACCTGAGAGCCAAGAGCTTCTTTGATGTTGC 900
AHR_201_Hum_ENST00000242057.8_CDS.seq CTTAGGCTCAGCGTCAGTTACCTGAGAGCCAAGAGCTTCTTTGATGTTGC 257
AHR_Modern_Hubbard.seq              CTGCGGCTCAGCGTGAGCTACCTGCGGGCCAAGAGCTTCTTCGATGTGGC 257
AHR_Neanderthal_Hubbard.seq         CTGCGGCTCAGCGTGAGCTACCTGCGGGCCAAGAGCTTCTTCGATGTGGC 257

                                                  910       920       930       940       950
AHR_201_Hum_ENST00000242057.8.seq   ATTAAAATCCTCCCCTACTGAAAGAAACGGAGGCCAGGATAACTGTAGAG 950
AHR_Modern.seq                      ATTAAAATCCTCCCCTACTGAAAGAAACGGAGGCCAGGATAACTGTAGAG 950
AHR_Neanderthal.seq                 ATTAAAATCCTCCCCTACTGAAAGAAACGGAGGCCAGGATAACTGTAGAG 950
AHR_201_Hum_ENST00000242057.8_CDS.seq ATTAAAATCCTCCCCTACTGAAAGAAACGGAGGCCAGGATAACTGTAGAG 307
AHR_Modern_Hubbard.seq              TCTGAAAAGCAGCCCCACCGAACGGAACGGCGGCCAGGATAACTGCCGGG 307
AHR_Neanderthal_Hubbard.seq         TCTGAAAAGCAGCCCCACCGAACGGAACGGCGGCCAGGATAACTGCCGGG 307

                                                  960       970       980       990      1000
AHR_201_Hum_ENST00000242057.8.seq   CAGCAAATTTCAGAGAAGGCCTGAACTTACAAGAAGGAGAATTCTTATTA 1000
AHR_Modern.seq                      CAGCAAATTTCAGAGAAGGCCTGAACTTACAAGAAGGAGAATTCTTATTA 1000
AHR_Neanderthal.seq                 CAGCAAATTTCAGAGAAGGCCTGAACTTACAAGAAGGAGAATTCTTATTA 1000
AHR_201_Hum_ENST00000242057.8_CDS.seq CAGCAAATTTCAGAGAAGGCCTGAACTTACAAGAAGGAGAATTCTTATTA 357
AHR_Modern_Hubbard.seq              CTGCTAACTTCCGGGAAGGCCTGAACCTGCAGGAAGGCGAATTCCTGCTC 357
AHR_Neanderthal_Hubbard.seq         CTGCTAACTTCCGGGAAGGCCTGAACCTGCAGGAAGGCGAATTCCTGCTC 357

                                                 1010      1020      1030      1040      1050
AHR_201_Hum_ENST00000242057.8.seq   CAGGCTCTGAATGGCTTTGTATTAGTTGTCACTACAGATGCTTTGGTCTT 1050
AHR_Modern.seq                      CAGGCTCTGAATGGCTTTGTATTAGTTGTCACTACAGATGCTTTGGTCTT 1050
AHR_Neanderthal.seq                 CAGGCTCTGAATGGCTTTGTATTAGTTGTCACTACAGATGCTTTGGTCTT 1050
AHR_201_Hum_ENST00000242057.8_CDS.seq CAGGCTCTGAATGGCTTTGTATTAGTTGTCACTACAGATGCTTTGGTCTT 407
AHR_Modern_Hubbard.seq              CAGGCTCTGAACGGCTTCGTGCTGGTGGTGACCACCGATGCTCTGGTGTT 407
AHR_Neanderthal_Hubbard.seq         CAGGCTCTGAACGGCTTCGTGCTGGTGGTGACCACCGATGCTCTGGTGTT 407

                                                 1060      1070      1080      1090      1100
AHR_201_Hum_ENST00000242057.8.seq   TTATGCTTCTTCTACTATACAAGATTATCTAGGGTTTCAGCAGTCTGATG 1100
AHR_Modern.seq                      TTATGCTTCTTCTACTATACAAGATTATCTAGGGTTTCAGCAGTCTGATG 1100
AHR_Neanderthal.seq                 TTATGCTTCTTCTACTATACAAGATTATCTAGGGTTTCAGCAGTCTGATG 1100
AHR_201_Hum_ENST00000242057.8_CDS.seq TTATGCTTCTTCTACTATACAAGATTATCTAGGGTTTCAGCAGTCTGATG 457
AHR_Modern_Hubbard.seq              CTACGCTAGCAGCACCATCCAGGATTACCTGGGCTTCCAGCAGAGCGATG 457
AHR_Neanderthal_Hubbard.seq         CTACGCTAGCAGCACCATCCAGGATTACCTGGGCTTCCAGCAGAGCGATG 457

                                                 1110      1120      1130      1140      1150
AHR_201_Hum_ENST00000242057.8.seq   TCATACATCAGAGTGTATATGAACTTATCCATACCGAAGACCGAGCTGAA 1150
AHR_Modern.seq                      TCATACATCAGAGTGTATATGAACTTATCCATACCGAAGACCGAGCTGAA 1150
AHR_Neanderthal.seq                 TCATACATCAGAGTGTATATGAACTTATCCATACCGAAGACCGAGCTGAA 1150
AHR_201_Hum_ENST00000242057.8_CDS.seq TCATACATCAGAGTGTATATGAACTTATCCATACCGAAGACCGAGCTGAA 507
AHR_Modern_Hubbard.seq              TGATCCACCAGAGCGTGTACGAACTGATCCACACCGAAGATCGGGCTGAA 507
AHR_Neanderthal_Hubbard.seq         TGATCCACCAGAGCGTGTACGAACTGATCCACACCGAAGATCGGGCTGAA 507

                                                 1160      1170      1180      1190      1200
AHR_201_Hum_ENST00000242057.8.seq   TTTCAGCGTCAGCTACACTGGGCATTAAATCCTTCTCAGTGTACAGAGTC 1200
AHR_Modern.seq                      TTTCAGCGTCAGCTACACTGGGCATTAAATCCTTCTCAGTGTACAGAGTC 1200
AHR_Neanderthal.seq                 TTTCAGCGTCAGCTACACTGGGCATTAAATCCTTCTCAGTGTACAGAGTC 1200
AHR_201_Hum_ENST00000242057.8_CDS.seq TTTCAGCGTCAGCTACACTGGGCATTAAATCCTTCTCAGTGTACAGAGTC 557
AHR_Modern_Hubbard.seq              TTCCAGCGGCAGCTGCACTGGGCTCTGAACCCCAGCCAGTGCACCGAAAG 557
AHR_Neanderthal_Hubbard.seq         TTCCAGCGGCAGCTGCACTGGGCTCTGAACCCCAGCCAGTGCACCGAAAG 557
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                                                  1210      1220      1230      1240      1250
AHR_201_Hum_ENST00000242057.8.seq   TGGACAAGGAATTGAAGAAGCCACTGGTCTCCCCCAGACAGTAGTCTGTT  1250
AHR_Modern.seq                      TGGACAAGGAATTGAAGAAGCCACTGGTCTCCCCCAGACAGTAGTCTGTT  1250
AHR_Neanderthal.seq                 TGGACAAGGAATTGAAGAAGCCACTGGTCTCCCCCAGACAGTAGTCTGTT  1250
AHR_201_Hum_ENST00000242057.8_CDS.seq TGGACAAGGAATTGAAGAAGCCACTGGTCTCCCCCAGACAGTAGTCTGTT  607
AHR_Modern_Hubbard.seq              CGGGCAGGGCATCGAAGAAGCTACCGGGCTCCCCCAGACCGTGGTGTGCT  607
AHR_Neanderthal_Hubbard.seq         CGGGCAGGGCATCGAAGAAGCTACCGGGCTCCCCCAGACCGTGGTGTGCT  607

                                                  1260      1270      1280      1290      1300
AHR_201_Hum_ENST00000242057.8.seq   ATAACCCAGACCAGATTCCTCCAGAAAACTCTCCTTTAATGGAGAGGTGC  1300
AHR_Modern.seq                      ATAACCCAGACCAGATTCCTCCAGAAAACTCTCCTTTAATGGAGAGGTGC  1300
AHR_Neanderthal.seq                 ATAACCCAGACCAGATTCCTCCAGAAAACTCTCCTTTAATGGAGAGGTGC  1300
AHR_201_Hum_ENST00000242057.8_CDS.seq ATAACCCAGACCAGATTCCTCCAGAAAACTCTCCTTTAATGGAGAGGTGC  657
AHR_Modern_Hubbard.seq              ACAACCCCGATCAGATCCCCCCCGAAAACAGCCCCCTGATGGAACGGTGC  657
AHR_Neanderthal_Hubbard.seq         ACAACCCCGATCAGATCCCCCCCGAAAACAGCCCCCTGATGGAACGGTGC  657

                                                  1310      1320      1330      1340      1350
AHR_201_Hum_ENST00000242057.8.seq   TTCATATGTCGTCTAAGGTGTCTGCTGGATAATTCATCTGGTTTTCTGGC  1350
AHR_Modern.seq                      TTCATATGTCGTCTAAGGTGTCTGCTGGATAATTCATCTGGTTTTCTGGC  1350
AHR_Neanderthal.seq                 TTCATATGTCGTCTAAGGTGTCTGCTGGATAATTCATCTGGTTTTCTGGC  1350
AHR_201_Hum_ENST00000242057.8_CDS.seq TTCATATGTCGTCTAAGGTGTCTGCTGGATAATTCATCTGGTTTTCTGGC  707
AHR_Modern_Hubbard.seq              TTCATCTGCCGGCTGCGGTGCCTGCTCGATAACAGCAGCGGCTTCCTGGC  707
AHR_Neanderthal_Hubbard.seq         TTCATCTGCCGGCTGCGGTGCCTGCTCGATAACAGCAGCGGCTTCCTGGC  707

                                                  1360      1370      1380      1390      1400
AHR_201_Hum_ENST00000242057.8.seq   AATGAATTTCCAAGGGAAGTTAAAGTATCTTCATGGACAGAAAAAGAAAG  1400
AHR_Modern.seq                      AATGAATTTCCAAGGGAAGTTAAAGTATCTTCATGGACAGAAAAAGAAAG  1400
AHR_Neanderthal.seq                 AATGAATTTCCAAGGGAAGTTAAAGTATCTTCATGGACAGAAAAAGAAAG  1400
AHR_201_Hum_ENST00000242057.8_CDS.seq AATGAATTTCCAAGGGAAGTTAAAGTATCTTCATGGACAGAAAAAGAAAG  757
AHR_Modern_Hubbard.seq              CATGAACTTCCAGGGCAAGCTGAAGTACCTGCACGGCCAGAAAAAGAAAG  757
AHR_Neanderthal_Hubbard.seq         CATGAACTTCCAGGGCAAGCTGAAGTACCTGCACGGCCAGAAAAAGAAAG  757

                                                  1410      1420      1430      1440      1450
AHR_201_Hum_ENST00000242057.8.seq   GGAAAGATGGATCAATACTTCCACCTCAGTTGGCTTTGTTTGCGATAGCT  1450
AHR_Modern.seq                      GGAAAGATGGATCAATACTTCCACCTCAGTTGGCTTTGTTTGCGATAGCT  1450
AHR_Neanderthal.seq                 GGAAAGATGGATCAATACTTCCACCTCAGTTGGCTTTGTTTGCGATAGCT  1450
AHR_201_Hum_ENST00000242057.8_CDS.seq GGAAAGATGGATCAATACTTCCACCTCAGTTGGCTTTGTTTGCGATAGCT  807
AHR_Modern_Hubbard.seq              GCAAAGATGGCAGCATCCTGCCCCCCAGCTGGCTCTGTTCGCTATCGCT  807
AHR_Neanderthal_Hubbard.seq         GCAAAGATGGCAGCATCCTGCCCCCCAGCTGGCTCTGTTCGCTATCGCT  807

                                                  1460      1470      1480      1490      1500
AHR_201_Hum_ENST00000242057.8.seq   ACTCCACTTCAGCCACCATCCATACTTGAAATCCGGACCAAAAATTTTAT  1500
AHR_Modern.seq                      ACTCCACTTCAGCCACCATCCATACTTGAAATCCGGACCAAAAATTTTAT  1500
AHR_Neanderthal.seq                 ACTCCACTTCAGCCACCATCCATACTTGAAATCCGGACCAAAAATTTTAT  1500
AHR_201_Hum_ENST00000242057.8_CDS.seq ACTCCACTTCAGCCACCATCCATACTTGAAATCCGGACCAAAAATTTTAT  857
AHR_Modern_Hubbard.seq              ACCCCCCTGCAGCCCCCCAGCATCCTGGAAATCCGGACCAAAAACTTCAT  857
AHR_Neanderthal_Hubbard.seq         ACCCCCCTGCAGCCCCCCAGCATCCTGGAAATCCGGACCAAAAACTTCAT  857

                                                  1510      1520      1530      1540      1550
AHR_201_Hum_ENST00000242057.8.seq   CTTTAGAACCAAACACAAACTAGACTTCACACCTATTGGTTGTGATGCCA  1550
AHR_Modern.seq                      CTTTAGAACCAAACACAAACTAGACTTCACACCTATTGGTTGTGATGCCA  1550
AHR_Neanderthal.seq                 CTTTAGAACCAAACACAAACTAGACTTCACACCTATTGGTTGTGATGCCA  1550
AHR_201_Hum_ENST00000242057.8_CDS.seq CTTTAGAACCAAACACAAACTAGACTTCACACCTATTGGTTGTGATGCCA  907
AHR_Modern_Hubbard.seq              CTTCCGGACCAAACACAAACTGGACTTCACCCCCATCGGCTGCGATGCTA  907
AHR_Neanderthal_Hubbard.seq         CTTCCGGACCAAACACAAACTGGACTTCACCCCCATCGGCTGCGATGCTA  907

                                                  1560      1570      1580      1590      1600
AHR_201_Hum_ENST00000242057.8.seq   AAGGAAGAATTGTTTTAGGATATACTGAAGCAGAGCTGTGCACGAGAGGC  1600
AHR_Modern.seq                      AAGGAAGAATTGTTTTAGGATATACTGAAGCAGAGCTGTGCACGAGAGGC  1600
AHR_Neanderthal.seq                 AAGGAAGAATTGTTTTAGGATATACTGAAGCAGAGCTGTGCACGAGAGGC  1600
AHR_201_Hum_ENST00000242057.8_CDS.seq AAGGAAGAATTGTTTTAGGATATACTGAAGCAGAGCTGTGCACGAGAGGC  957
AHR_Modern_Hubbard.seq              AAGGCCGGATCGTGCTGGGCTACACGGAAGCTGAACTGTGCACACGGGGC  957
AHR_Neanderthal_Hubbard.seq         AAGGCCGGATCGTGCTGGGCTACACGGAAGCTGAACTGTGCACACGGGGC  957

                                                  1610      1620      1630      1640      1650
AHR_201_Hum_ENST00000242057.8.seq   TCAGGTTATCAGTTTATTCATGCAGCTGATATGCTTTATTGTGCCGAGTC  1650
AHR_Modern.seq                      TCAGGTTATCAGTTTATTCATGCAGCTGATATGCTTTATTGTGCCGAGTC  1650
AHR_Neanderthal.seq                 TCAGGTTATCAGTTTATTCATGCAGCTGATATGCTTTATTGTGCCGAGTC  1650
AHR_201_Hum_ENST00000242057.8_CDS.seq TCAGGTTATCAGTTTATTCATGCAGCTGATATGCTTTATTGTGCCGAGTC  1007
AHR_Modern_Hubbard.seq              AGCGGCTACCAGTTCATCCACGCTGCTGATATGCTGTACTGCGCCGAGAG  1007
AHR_Neanderthal_Hubbard.seq         AGCGGCTACCAGTTCATCCACGCTGCTGATATGCTGTACTGCGCCGAGAG  1007
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AHR_201_Hum_ENST00000242057.8.seq                 CCATATCCGAATGATTAAGACTGGAGAAAGTGGCATGATAGTTTTCCGGC 1700
AHR_Modern.seq                                    CCATATCCGAATGATTAAGACTGGAGAAAGTGGCATGATAGTTTTCCGGC 1700
AHR_Neanderthal.seq                               CCATATCCGAATGATTAAGACTGGAGAAAGTGGCATGATAGTTTTCCGGC 1700
AHR_201_Hum_ENST00000242057.8_CDS.seq             CCATATCCGAATGATTAAGACTGGAGAAAGTGGCATGATAGTTTTCCGGC 1057
AHR_Modern_Hubbard.seq                            CCACATCCGGATGATCAAGACCGGCGAAAGCGGCATGATCGTGTTCCGGC 1057
AHR_Neanderthal_Hubbard.seq                       CCACATCCGGATGATCAAGACCGGCGAAAGCGGCATGATCGTGTTCCGGC 1057

                                                  1710      1720      1730      1740      1750
AHR_201_Hum_ENST00000242057.8.seq                 TTCTTACAAAAAACAACCGATGGACTTGGGTCCAGTCTAATGCACGCCTG 1750
AHR_Modern.seq                                    TTCTTACAAAAAACAACCGATGGACTTGGGTCCAGTCTAATGCACGCCTG 1750
AHR_Neanderthal.seq                               TTCTTACAAAAAACAACCGATGGACTTGGGTCCAGTCTAATGCACGCCTG 1750
AHR_201_Hum_ENST00000242057.8_CDS.seq             TTCTTACAAAAAACAACCGATGGACTTGGGTCCAGTCTAATGCACGCCTG 1107
AHR_Modern_Hubbard.seq                            TGCTCACCAAAAACAACCGGTGGACCTGGGTGCAGAGCAACGCTCGGCTG 1107
AHR_Neanderthal_Hubbard.seq                       TGCTCACCAAAAACAACCGGTGGACCTGGGTGCAGAGCAACGCTCGGCTG 1107

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AHR_201_Hum_ENST00000242057.8.seq                 CTTTATAAAAATGGAAGACCAGATTATATCATTGTAACTCAGAGACCACT 1800
AHR_Modern.seq                                    CTTTATAAAAATGGAAGACCAGATTATATCATTGTAACTCAGAGACCACT 1800
AHR_Neanderthal.seq                               CTTTATAAAAATGGAAGACCAGATTATATCATTGCAACTCAGAGACCACT 1800
AHR_201_Hum_ENST00000242057.8_CDS.seq             CTTTATAAAAATGGAAGACCAGATTATATCATTGTAACTCAGAGACCACT 1157
AHR_Modern_Hubbard.seq                            CTCTACAAAAACGGCCGGCCCCGATTACATCATCGTGACCCAGCGGCCCCT 1157
AHR_Neanderthal_Hubbard.seq                       CTCTACAAAAACGGCCGGCCCCGATTACATCATCGCTACCCAGCGGCCCCT 1157

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AHR_201_Hum_ENST00000242057.8.seq                 AACAGATGAGGAAGGAACAGAGCATTTACGAAAACGAAATACGAAGTTGC 1850
AHR_Modern.seq                                    AACAGATGAGGAAGGAACAGAGCATTTACGAAAACGAAATACGAAGTTGC 1850
AHR_Neanderthal.seq                               AACAGATGAGGAAGGAACAGAGCATTTACGAAAACGAAATACGAAGTTGC 1850
AHR_201_Hum_ENST00000242057.8_CDS.seq             AACAGATGAGGAAGGAACAGAGCATTTACGAAAACGAAATACGAAGTTGC 1207
AHR_Modern_Hubbard.seq                            GACCGATGAAGAAGGCACCGAGCACCTGCGGAAACGGAACACCAAGCTGC 1207
AHR_Neanderthal_Hubbard.seq                       GACCGATGAAGAAGGCACCGAGCACCTGCGGAAACGGAACACCAAGCTGC 1207

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AHR_201_Hum_ENST00000242057.8.seq                 CTTTTATGTTTACCACTGGAGAAGCTGTGTTGTATGAGGCAACCAACCCT 1900
AHR_Modern.seq                                    CTTTTATGTTTACCACTGGAGAAGCTGTGTTGTATGAGGCAACCAACCCT 1900
AHR_Neanderthal.seq                               CTTTTATGTTTACCACTGGAGAAGCTGTGTTGTATGAGGCAACCAACCCT 1900
AHR_201_Hum_ENST00000242057.8_CDS.seq             CTTTTATGTTTACCACTGGAGAAGCTGTGTTGTATGAGGCAACCAACCCT 1257
AHR_Modern_Hubbard.seq                            CCTTCATGTTCACCACCGGCGAAGCTGTGCTGTACGAAGCCACCAACCCC 1257
AHR_Neanderthal_Hubbard.seq                       CCTTCATGTTCACCACCGGCGAAGCTGTGCTGTACGAAGCCACCAACCCC 1257

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AHR_201_Hum_ENST00000242057.8.seq                 TTTCCTGCCATAATGGATCCCTTACCACTAAGGACTAAAAATGGCACTAG 1950
AHR_Modern.seq                                    TTTCCTGCCATAATGGATCCCTTACCACTAAGGACTAAAAATGGCACTAG 1950
AHR_Neanderthal.seq                               TTTCCTGCCATAATGGATCCCTTACCACTAAGGACTAAAAATGGCACTAG 1950
AHR_201_Hum_ENST00000242057.8_CDS.seq             TTTCCTGCCATAATGGATCCCTTACCACTAAGGACTAAAAATGGCACTAG 1307
AHR_Modern_Hubbard.seq                            TTCCCCGCTATCATGGATCCCCTCCCCCTGCGGACCAAAAACGGCACCAG 1307
AHR_Neanderthal_Hubbard.seq                       TTCCCCGCTATCATGGATCCCCTCCCCCTGCGGACCAAAAACGGCACCAG 1307

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AHR_201_Hum_ENST00000242057.8.seq                 TGGAAAAGACTCTGCTACCACATCCACTCTAAGCAAGGACTCTCTCAATC 2000
AHR_Modern.seq                                    TGGAAAAGACTCTGCTACCACATCCACTCTAAGCAAGGACTCTCTCAATC 2000
AHR_Neanderthal.seq                               TGGAAAAGACTCTGCTACCACATCCACTCTAAGCAAGGACTCTCTCAATC 2000
AHR_201_Hum_ENST00000242057.8_CDS.seq             TGGAAAAGACTCTGCTACCACATCCACTCTAAGCAAGGACTCTCTCAATC 1357
AHR_Modern_Hubbard.seq                            CGGCAAAGATAGCGCTACCACCACCACCCTGAGCAAGGATAGCCTCAACC 1357
AHR_Neanderthal_Hubbard.seq                       CGGCAAAGATAGCGCTACCACCACCACCCTGAGCAAGGATAGCCTCAACC 1357

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AHR_201_Hum_ENST00000242057.8.seq                 CTAGTTCCCTCCTGGCTGCCATGATGCAACAAGATGAGTCTATTTATCTC 2050
AHR_Modern.seq                                    CTAGTTCCCTCCTGGCTGCCATGATGCAACAAGATGAGTCTATTTATCTC 2050
AHR_Neanderthal.seq                               CTAGTTCCCTCCTGGCTGCCATGATGCAACAAGATGAGTCTATTTATCTC 2050
AHR_201_Hum_ENST00000242057.8_CDS.seq             CTAGTTCCCTCCTGGCTGCCATGATGCAACAAGATGAGTCTATTTATCTC 1407
AHR_Modern_Hubbard.seq                            CCAGCAGCCTCCTGGCTGCCATGATGCAGCAGGATGAGAGCATCTACCTC 1407
AHR_Neanderthal_Hubbard.seq                       CCAGCAGCCTCCTGGCTGCCATGATGCAGCAGGATGAGAGCATCTACCTC 1407

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AHR_201_Hum_ENST00000242057.8.seq                 TATCCTGCTTCAAGTACTTCAAGTACTGCACCTTTTGAAAACAACTTTTT 2100
AHR_Modern.seq                                    TATCCTGCTTCAAGTACTTCAAGTACTGCACCTTTTGAAAACAACTTTTT 2100
AHR_Neanderthal.seq                               TATCCTGCTTCAAGTACTTCAAGTACTGCACCTTTTGAAAACAACTTTTT 2100
AHR_201_Hum_ENST00000242057.8_CDS.seq             TATCCTGCTTCAAGTACTTCAAGTACTGCACCTTTTGAAAACAACTTTTT 1457
AHR_Modern_Hubbard.seq                            TACCCCGCTAGCAGCACCAGCAGCACCGCCCCTTCGAAAACAACTTCTT 1457
AHR_Neanderthal_Hubbard.seq                       TACCCCGCTAGCAGCACCAGCAGCACCGCCCCTTCGAAAACAACTTCTT 1457
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AHR_201_Hum_ENST00000242057.8.seq   CAACGAATCTATGAATGAATGCAGAAATTGGCAAGATAATACTGCACCGA  2150
AHR_Modern.seq                      CAACGAATCTATGAATGAATGCAGAAATTGGCAAGATAATACTGCACCGA  2150
AHR_Neanderthal.seq                 CAACGAATCTATGAATGAATGCAGAAATTGGCAAGATAATACTGCACCGA  2150
AHR_201_Hum_ENST00000242057.8_CDS.seq CAACGAATCTATGAATGAATGCAGAAATTGGCAAGATAATACTGCACCGA  1507
AHR_Modern_Hubbard.seq              CAACGAAAGCATGAACGAATGCCGGAACTGGCAGGATAACACCGCCCCA  1507
AHR_Neanderthal_Hubbard.seq         CAACGAAAGCATGAACGAATGCCGGAACTGGCAGGATAACACCGCCCCA  1507

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AHR_201_Hum_ENST00000242057.8.seq   TGGGAAATGATACTATCCTGAAACATGAGCAAATTGACCAGCCTCAGGAT  2200
AHR_Modern.seq                      TGGGAAATGATACTATCCTGAAACATGAGCAAATTGACCAGCCTCAGGAT  2200
AHR_Neanderthal.seq                 TGGGAAATGATACTATCCTGAAACATGAGCAAATTGACCAGCCTCAGGAT  2200
AHR_201_Hum_ENST00000242057.8_CDS.seq TGGGAAATGATACTATCCTGAAACATGAGCAAATTGACCAGCCTCAGGAT  1557
AHR_Modern_Hubbard.seq              TGGGCAACGATACCATCCTGAAACACGAGCAGATCGACCAGCCCCAGGAT  1557
AHR_Neanderthal_Hubbard.seq         TGGGCAACGATACCATCCTGAAACACGAGCAGATCGACCAGCCCCAGGAT  1557

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AHR_201_Hum_ENST00000242057.8.seq   GTGAACTCATTTGCTGGAGGTCACCCAGGGCTCTTTCAAGATAGTAAAAA  2250
AHR_Modern.seq                      GTGAACTCATTTGCTGGAGGTCACCCAGGGCTCTTTCAAGATAGTAAAAA  2250
AHR_Neanderthal.seq                 GTGAACTCATTTGCTGGAGGTCACCCAGGGCTCTTTCAAGATAGTAAAAA  2250
AHR_201_Hum_ENST00000242057.8_CDS.seq GTGAACTCATTTGCTGGAGGTCACCCAGGGCTCTTTCAAGATAGTAAAAA  1607
AHR_Modern_Hubbard.seq              GTGAACAGCTTCGCTGGCGGCCACCCCGGCCTCTTCCAGGATAGCAAAAA  1607
AHR_Neanderthal_Hubbard.seq         GTGAACAGCTTCGCTGGCGGCCACCCCGGCCTCTTCCAGGATAGCAAAAA  1607

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AHR_201_Hum_ENST00000242057.8.seq   CAGTGACTTGTACAGCATAATGAAAAACCTAGGCATTGATTTTGAAGACA  2300
AHR_Modern.seq                      CAGTGACTTGTACAGCATAATGAAAAACCTAGGCATTGATTTTGAAGACA  2300
AHR_Neanderthal.seq                 CAGTGACTTGTACAGCATAATGAAAAACCTAGGCATTGATTTTGAAGACA  2300
AHR_201_Hum_ENST00000242057.8_CDS.seq CAGTGACTTGTACAGCATAATGAAAAACCTAGGCATTGATTTTGAAGACA  1657
AHR_Modern_Hubbard.seq              CAGGGACCTGTACAGCATCATGAAAAACCTGGGCATCGATTTCGAAGACA  1657
AHR_Neanderthal_Hubbard.seq         CAGGGACCTGTACAGCATCATGAAAAACCTGGGCATCGATTTCGAAGACA  1657

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AHR_201_Hum_ENST00000242057.8.seq   TCAGACACATGCAGAATGAAAAATTTTTCAGAAATGATTTTTCTGGTGAG  2350
AHR_Modern.seq                      TCAGACACATGCAGAATGAAAAATTTTTCAGAAATGATTTTTCTGGTGAG  2350
AHR_Neanderthal.seq                 TCAAACACATGCAGAATGAAAAATTTTTCAGAAATGATTTTTCTGGTGAG  2350
AHR_201_Hum_ENST00000242057.8_CDS.seq TCAGACACATGCAGAATGAAAAATTTTTCAGAAATGATTTTTCTGGTGAG  1707
AHR_Modern_Hubbard.seq              TCCGGCACATGCAGAACGAAAAATTCTTCCGGAACGATTTCAGCGGCGAA  1707
AHR_Neanderthal_Hubbard.seq         TCAAGCACATGCAGAACGAAAAATTCTTCCGGAACGATTTCAGCGGCGAA  1707

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AHR_201_Hum_ENST00000242057.8.seq   GTTGACTTCAGAGACATTGACTTAACGGATGAAATCCTGACGTATGTCCA  2400
AHR_Modern.seq                      GTTGACTTCAGAGACATTGACTTAACGGATGAAATCCTGACGTATGTCCA  2400
AHR_Neanderthal.seq                 GTTGACTTCAGAGACATTGACTTAACGGATGAAATCCTGACGTATGTCCA  2400
AHR_201_Hum_ENST00000242057.8_CDS.seq GTTGACTTCAGAGACATTGACTTAACGGATGAAATCCTGACGTATGTCCA  1757
AHR_Modern_Hubbard.seq              GTGGACTTCCGGGACATCGACCTGACGGATGAAATCCTGACCTACGTGCA  1757
AHR_Neanderthal_Hubbard.seq         GTGGACTTCCGGGACATCGACCTGACGGATGAAATCCTGACCTACGTGCA  1757

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AHR_201_Hum_ENST00000242057.8.seq   AGATTCTTTAAGTAAGTCTCCCTTCATACCTTCAGATTATCAACAGCAAC  2450
AHR_Modern.seq                      AGATTCTTTAAGTAAGTCTCCCTTCATACCTTCAGATTATCAACAGCAAC  2450
AHR_Neanderthal.seq                 AGATTCTTTAAGTAAGTCTCCCTTCATACCTTCAGATTATCAACAGCAAC  2450
AHR_201_Hum_ENST00000242057.8_CDS.seq AGATTCTTTAAGTAAGTCTCCCTTCATACCTTCAGATTATCAACAGCAAC  1807
AHR_Modern_Hubbard.seq              GGATAGCCTGAGCAAGAGCCCCTTCATCCCCAGCGATTACCAGCAGCAGC  1807
AHR_Neanderthal_Hubbard.seq         GGATAGCCTGAGCAAGAGCCCCTTCATCCCCAGCGATTACCAGCAGCAGC  1807

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AHR_201_Hum_ENST00000242057.8.seq   AGTCCTTGGCTCTGAACTCAAGCTGTATGGTACAGGAACACCTACATCTA  2500
AHR_Modern.seq                      AGTCCTTGGCTCTGAACTCAAGCTGTATGGTACAGGAACACCTACATCTA  2500
AHR_Neanderthal.seq                 AGTCCTTGGCTCTGAACTCAAGCTGTATGGTACAGGAACACCTACATCTA  2500
AHR_201_Hum_ENST00000242057.8_CDS.seq AGTCCTTGGCTCTGAACTCAAGCTGTATGGTACAGGAACACCTACATCTA  1857
AHR_Modern_Hubbard.seq              AGAGCCTGGCTCTGAACAGCAGCTGGATGGTGCAGGAACACCTGCACCTG  1857
AHR_Neanderthal_Hubbard.seq         AGAGCCTGGCTCTGAACAGCAGCTGGATGGTGCAGGAACACCTGCACCTG  1857

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AHR_201_Hum_ENST00000242057.8.seq   GAACAGCAACAGCAACATCACCAAAAGCAAGTAGTAGTGGAGCCACAGCA  2550
AHR_Modern.seq                      GAACAGCAACAGCAACATCACCAAAAGCAAGTAGTAGTGGAGCCACAGCA  2550
AHR_Neanderthal.seq                 GAACAGCAACAGCAACATCACCAAAAGCAAGTAGTAGTGGAGCCACAGCA  2550
AHR_201_Hum_ENST00000242057.8_CDS.seq GAACAGCAACAGCAACATCACCAAAAGCAAGTAGTAGTGGAGCCACAGCA  1907
AHR_Modern_Hubbard.seq              GAACAGCAGCAGCAGCACCACCAGAAACAGGTGGTGGTGGAACCCCAGCA  1907
AHR_Neanderthal_Hubbard.seq         GAACAGCAGCAGCAGCACCACCAGAAACAGGTGGTGGTGGAACCCCAGCA  1907
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AHR_Modern.seq                            ACAGCTGTGTCAGAAGATGAAGCACATGCAAGTTAATGGCATGTTTGAAA  2600
AHR_Neanderthal.seq                       ACAGCTGTGTCAGAAGATGAAGCACATGCAAGTTAATGGCATGTTTGAAA  2600
AHR_201_Hum_ENST00000242057.8_CDS.seq     ACAGCTGTGTCAGAAGATGAAGCACATGCAAGTTAATGGCATGTTTGAAA  1957
AHR_Modern_Hubbard.seq                    GCAGCTGTGCCAGAAGATGAAGCACATGCAGGTGAACGGCATGTTCGAAA  1957
AHR_Neanderthal_Hubbard.seq               GCAGCTGTGCCAGAAGATGAAGCACATGCAGGTGAACGGCATGTTCGAAA  1957

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AHR_201_Hum_ENST00000242057.8.seq         ATTGGAACTCTAACCAATTCGTGCCTTTCAATTGTCCACAGCAAGACCCA  2650
AHR_Modern.seq                            ATTGGAACTCTAACCAATTCGTGCCTTTCAATTGTCCACAGCAAGACCCA  2650
AHR_Neanderthal.seq                       ATTGGAACTCTAACCAATTCGTGCCTTTCAATTGTCCACAGCAAGACCCA  2650
AHR_201_Hum_ENST00000242057.8_CDS.seq     ATTGGAACTCTAACCAATTCGTGCCTTTCAATTGTCCACAGCAAGACCCA  2007
AHR_Modern_Hubbard.seq                    ACTGGAACAGCAACCAGTTCGTGCCGTTCAACTGCCCCCAGCAGGACCCC  2007
AHR_Neanderthal_Hubbard.seq               ACTGGAACAGCAACCAGTTCGTGCCGTTCAACTGCCCCCAGCAGGACCCC  2007

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AHR_201_Hum_ENST00000242057.8.seq         CAACAATATAATGTCTTTACAGACTTACATGGGATCAGTCAAGAGTTCCC  2700
AHR_Modern.seq                            CAACAATATAATGTCTTTACAGACTTACATGGGATCAGTCAAGAGTTCCC  2700
AHR_Neanderthal.seq                       CAACAATATAATGTCTTTACAGACTTACATGGGATCAGTCAAGAGTTCCC  2700
AHR_201_Hum_ENST00000242057.8_CDS.seq     CAACAATATAATGTCTTTACAGACTTACATGGGATCAGTCAAGAGTTCCC  2057
AHR_Modern_Hubbard.seq                    CAGCAGTACAACGTGTTCACCGATCTGCACGGCATCAGCCAGGAGTTCCC  2057
AHR_Neanderthal_Hubbard.seq               CAGCAGTACAACGTGTTCACCGATCTGCACGGCATCAGCCAGGAGTTCCC  2057

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AHR_201_Hum_ENST00000242057.8.seq         CTACAAATCTGAAATGGATTCTATGCCTTATACACAGAACTTTATTTCCT  2750
AHR_Modern.seq                            CTACAAATCTGAAATGGATTCTATGCCTTATACACAGAACTTTATTTCCT  2750
AHR_Neanderthal.seq                       CTACAAATCTGAAATGGATTCTATGCCTTATACACAGAACTTTATTTCCT  2750
AHR_201_Hum_ENST00000242057.8_CDS.seq     CTACAAATCTGAAATGGATTCTATGCCTTATACACAGAACTTTATTTCCT  2107
AHR_Modern_Hubbard.seq                    CTACAAAAGCGAAATGGATAGCATGCCCTACACCCAGAACTTCATCAGCT  2107
AHR_Neanderthal_Hubbard.seq               CTACAAAAGCGAAATGGATAGCATGCCCTACACCCAGAACTTCATCAGCT  2107

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AHR_201_Hum_ENST00000242057.8.seq         GTAATCAGCCTGTATTACCACAACATTCCAAATGTACAGAGCTGGACTAC  2800
AHR_Modern.seq                            GTAATCAGCCTGTATTACCACAACATTCCAAATGTACAGAGCTGGACTAC  2800
AHR_Neanderthal.seq                       GTAATCAGCCTGTATTACCACAACATTCCAAATGTACAGAGCTGGACTAC  2800
AHR_201_Hum_ENST00000242057.8_CDS.seq     GTAATCAGCCTGTATTACCACAACATTCCAAATGTACAGAGCTGGACTAC  2157
AHR_Modern_Hubbard.seq                    GCAACCAGCCCGTGCTGCCCCAGCACAGCAAATGCACCGAGCTGGATTAC  2157
AHR_Neanderthal_Hubbard.seq               GCAACCAGCCCGTGCTGCCCCAGCACAGCAAATGCACCGAGCTGGATTAC  2157

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AHR_201_Hum_ENST00000242057.8.seq         CCTATGGGGAGTTTTGAACCATCCCCATACCCCACTACTTCTAGTTTAGA  2850
AHR_Modern.seq                            CCTATGGGGAGTTTTGAACCATCCCCATACCCCACTACTTCTAGTTTAGA  2850
AHR_Neanderthal.seq                       CCTATGGGGAGTTTTGAACCATCCCCATACCCCACTACTTCTAGTTTAGA  2850
AHR_201_Hum_ENST00000242057.8_CDS.seq     CCTATGGGGAGTTTTGAACCATCCCCATACCCCACTACTTCTAGTTTAGA  2207
AHR_Modern_Hubbard.seq                    CCCATGGGCAGCTTCGAACCCAGCCCCTACCCCACCACCAGCAGCCTGGA  2207
AHR_Neanderthal_Hubbard.seq               CCCATGGGCAGCTTCGAACCCAGCCCCTACCCCACCACCAGCAGCCTGGA  2207

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AHR_Neanderthal.seq                       AGATTTTGTCACTTGTTTACAACTTCCTGAAAACCAAAAGCATGGATTAA  2900
AHR_201_Hum_ENST00000242057.8_CDS.seq     AGATTTTGTCACTTGTTTACAACTTCCTGAAAACCAAAAGCATGGATTAA  2257
AHR_Modern_Hubbard.seq                    AGATTTCGTGACCTGCCTGCAGCTGCCCGAAAACCAGAAACACGGCCTGA  2257
AHR_Neanderthal_Hubbard.seq               AGATTTCGTGACCTGCCTGCAGCTGCCCGAAAACCAGAAACACGGCCTGA  2257

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AHR_201_Hum_ENST00000242057.8.seq         ATCCACAGTCAGCCATAATAACTCCTCAGACATGTTATGCTGGGGCCGTG  2950
AHR_Modern.seq                            ATCCACAGTCAGCCATAATAACTCCTCAGACATGTTATGCTGGGGCCGTG  2950
AHR_Neanderthal.seq                       ATCCACAGTCAGCCATAATAACTCCTCAGACATGTTATGCTGGGGCCGTG  2950
AHR_201_Hum_ENST00000242057.8_CDS.seq     ATCCACAGTCAGCCATAATAACTCCTCAGACATGTTATGCTGGGGCCGTG  2307
AHR_Modern_Hubbard.seq                    ACCCCCAGAGCGCTATCATCACCCCCAGACCTGCTACGCTGGCGCTGTG  2307
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AHR_Neanderthal.seq                       TCGATGTATCAGTGCCAGCCAGAACCTCAGCACACCCACGTGGGTCAGAT  3000
AHR_201_Hum_ENST00000242057.8_CDS.seq     TCGATGTATCAGTGCCAGCCAGAACCTCAGCACACCCACGTGGGTCAGAT  2357
AHR_Modern_Hubbard.seq                    AGCATGTACCAGTGCCAGCCCGAACCCCAGCACACCCACGTGGGCCAGAT  2357
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AHR_Neanderthal.seq                       GCAGTACAATCCAGTACTGCCAGGCCAACAGGCATTTTTAAACAAGTTTC 3050
AHR_201_Hum_ENST00000242057.8_CDS.seq     GCAGTACAATCCAGTACTGCCAGGCCAACAGGCATTTTTAAACAAGTTTC 2407
AHR_Modern_Hubbard.seq                    GCAGTACAACCCCGTGCTGCCCGGCCAGCAGGCCTTCCTGAACAAGTTCC 2407
AHR_Neanderthal_Hubbard.seq               GCAGTACAACCCCGTGCTGCCCGGCCAGCAGGCCTTCCTGAACAAGTTCC 2407

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AHR_Neanderthal.seq                       AGAATGGAGTTTTAAATGAAACATATCCAGCTGAATTAAATAACATAAAT 3100
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AHR_Modern_Hubbard.seq                    AGAACGGCGTGCTGAACGAAACCTACCCCGCTGAACTGAACAACATCAAC 2457
AHR_Neanderthal_Hubbard.seq               AGAACGGCGTGCTGAACGAAACCTACCCCGCTGAACTGAACAACATCAAC 2457

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AHR_201_Hum_ENST00000242057.8.seq         AACACTCAGACTACCACACATCTTCAGCCACTTCATCATCCGTCAGAAGC 3150
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AHR_Neanderthal.seq                       AACACTCAGACTACCACACATCTTCAGCCACTTCATCATCCGTCAGAAGC 3150
AHR_201_Hum_ENST00000242057.8_CDS.seq     AACACTCAGACTACCACACATCTTCAGCCACTTCATCATCCGTCAGAAGC 2507
AHR_Modern_Hubbard.seq                    AACACCCAGACCACCACCACCTCCAGCCCCTCCACCACCCCAGCGAAGC 2507
AHR_Neanderthal_Hubbard.seq               AACACCCAGACCACCACCACCTCCAGCCCCTCCACCACCCCAGCGAAGC 2507

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AHR_201_Hum_ENST00000242057.8.seq         CAGACCTTTTCCTGATTTGACATCCAGTGGATTCCTGTAATTCCAAGCCC 3200
AHR_Modern.seq                            CAGACCTTTTCCTGATTTGACATCCAGTGGATTCCTGTAATTCCAAGCCC 3200
AHR_Neanderthal.seq                       CAGACCTTTTCCTGATTTGACATCCAGTGGATTCCTGTAATTCCAAGCCC 3200
AHR_201_Hum_ENST00000242057.8_CDS.seq     CAGACCTTTTCCTGATTTGACATCCAGTGGATTCCTGTAA           2547
AHR_Modern_Hubbard.seq                    TCGGCCCTTCCCCGATCTGACCAGCAGCGGCTTCCTGTGA           2547
AHR_Neanderthal_Hubbard.seq               TCGGCCCTTCCCCGATCTGACCAGCAGCGGCTTCCTGTGA           2547

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AHR_Neanderthal.seq                       AATTTTGACCCTGGTTTTTGGATTAAATTAGTTTGTGAAGGATTATGGAA 3250
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AHR_Modern_Hubbard.seq                                                                       2547
AHR_Neanderthal_Hubbard.seq                                                                  2547

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AHR_Neanderthal.seq                       AAATAAAACTGTCACTGTTGGACGTCAGCAAGTTCACATGGAGGCATTGA 3300
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AHR_Modern_Hubbard.seq                                                                       2547
AHR_Neanderthal_Hubbard.seq                                                                  2547

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AHR_Modern_Hubbard.seq                                                                       2547
AHR_Neanderthal_Hubbard.seq                                                                  2547

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AHR_Neanderthal_Hubbard.seq                                                                  2547
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AHR_Modern_Hubbard.seq                                                                     2547
AHR_Neanderthal_Hubbard.seq                                                                2547

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AHR_Neanderthal_Hubbard.seq                                                                2547

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AHR_Neanderthal_Hubbard.seq                                                                2547

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AHR_Neanderthal_Hubbard.seq                                                                2547

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AHR_Neanderthal_Hubbard.seq                                                                  2547

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AHR_Neanderthal_Hubbard.seq                                                                  2547

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AHR_Modern_Hubbard.seq                                                                       2547
AHR_Neanderthal_Hubbard.seq                                                                  2547

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AHR_Modern_Hubbard.seq                                                                       2547
AHR_Neanderthal_Hubbard.seq                                                                  2547

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AHR_Modern_Hubbard.seq                                                                       2547
AHR_Neanderthal_Hubbard.seq                                                                  2547

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AHR_Modern_Hubbard.seq                                                                       2547
AHR_Neanderthal_Hubbard.seq                                                                  2547

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AHR_Neanderthal_Hubbard.seq                                                                  2547

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AHR_Modern_Hubbard.seq                                                                       2547
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