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      10      20      30      40      50      60
Homo sapiens ADIB      1  CACACACACACAACCCCTCAGCCAGATGCTGGGGCAGGGGACAGTTCCCTCATTTCCGACACTGAC 65
Pan troglodytes ADIB   1  CACACACACACAAGCCCTCAGCCAGATGCTGGGGCAGGGGACAGTTCCCTCATTTTGGACACTGAA 65
Pongo abelii ADIB      1  CACACACACACAAGCCCTCAGCCAGATGCTGGGGCAGGGGACAGTTCCCTCATTTCCGACACTGAC 65
Nomascus leucogenys ADIB 1  CACACACACACAACCCCTCAGCCAGATGCTGGGGCAGGGGACAGTTCCCTCATTTCCGACACTGAC 65
Callithrix jacchus ADIB 1  CACACACACACAATGCCCTCAGCCAGATGCTGGGGCAATGGACATTTCCCTCATTTCCGACACTCAT 65

      70      80      90      100     110     120     130
Homo sapiens ADIB      66  TGCCGGTGGGGGA-TGTGGAT-GGGGTAATTGCTGTGGTCAGTCTGGCTCAGCACCCAAAAGAAA 128
Pan troglodytes ADIB   66  TGCCGGTAGGGGGG-TGTGGAT-GGGGTAATTGCTGTGGTCAGTCTGGCTCAGCACCCAAAAGAAA 128
Pongo abelii ADIB      66  TGCCGGTGGGGGA-TGTGGACAGGGGTAATTGCTGTGGTCAGTCTGGCTCTGCACCCAAAAGAAA 129
Nomascus leucogenys ADIB 66  TGCCGGTGGGGGA-TGTGGAC-GGGGTAATTGCTGTGGTCAGTCTGGCTCAGCACCCAAAAGAAA 128
Callithrix jacchus ADIB 66  GACTGCCGGTGGGAT-TGTGGACGGGGTCTTGCTGTGGTCAGTCTGGCTCAGCACCCAAAAGAAA 130

      140     150     160     170     180     190
Homo sapiens ADIB      129  GTGTCAAGTCAGGGAAAATTCTGGGAAAGGGGATGTGGGATTTGGGGAGGGCAGAGAAGGGGAG 193
Pan troglodytes ADIB   129  GTGTCAAGTCAGGGAAAATTCTGGGAAAGGGGATGTGGGATTTGGGGAGGGCAGAGAAGGGGAG 193
Pongo abelii ADIB      130  GTGTCAAGTCAGGGAAAATTCTGGGAAAGGGGATGTGGGATTTGGGGAGGGCAGAGAAGGGGAG 194
Nomascus leucogenys ADIB 129  GTGTCAAGTCAGGGAAAATTCTGGGAAAGGGGATGTGGGATTTGGGGAGGGCAGAGAAGGGGAG 193
Callithrix jacchus ADIB 131  GTGTCAAGTCAGGGAAAATTCTGGGAAAGGGGATGTGGGATTTGGGGAGGGCAGAGAAGGGGAG 194

      200     210     220     230     240     250     260
Homo sapiens ADIB      194  GGGGCCAGCCCTGCTTTGGGCAATCCTTGCTCTGACCACTCAGACACCGTGTCCCTCTGCCTGG 258
Pan troglodytes ADIB   194  GGGGCCAGCCCTGCTTTGGGCAATCCTTGCTCTGACCACTCAGACACCGTGTCCCTCTGCCTGG 258
Pongo abelii ADIB      195  GGGGCCAGCCCTGCTTTGGGCAATCCTTGCTCTGACCACTCAGACACCGTGTCCCTCTGCCTGG 259
Nomascus leucogenys ADIB 194  GGGGCCAGCCCTGCTTTGGGCAATCCTTGCTCTGACCACTCAGACACCGTGTCCCTCTGCCTGG 258
Callithrix jacchus ADIB 195  AGGGCCAGCCCTGCTCTGGGCAATCCTTGCTCTGACCACTCAGACACCGTATCCCTCTGCCTGG 259

      270     280     290     300     310     320
Homo sapiens ADIB      259  GAGAGGGGAAGCAGATCTGAGGACATCTCTGTG-CCAGGCCAGAAACCGCCACCTGCAGGTGAG 322
Pan troglodytes ADIB   259  GAGAGGGGAAGCAGATCTGAGGACATCTCTGTG-CCAGGCCAGAAACCGCCACCTGCAGGTGAG 322
Pongo abelii ADIB      260  GAGAGGGGAAGCAGATCTGAGGACATCTCTGTG-CCAGGCCAGAAACCGCCACCTGCAGGTGAG 323
Nomascus leucogenys ADIB 259  GAGAGGGGAAGCAGATCTGAGGACATCTCTGTG-CCAGGCCAGAAACCGCCACCTGCAGGTGAG 322
Callithrix jacchus ADIB 260  GAGAGGGGAAGCAGATCTGAGGACATCTCTGTG-CCAGGCCAGAAAGCTGACACCTGCAGGTGA- 323

      330     340     350     360     370     380     390
Homo sapiens ADIB      323  GCCCGGACCCCTGCCAGGTATGGGCAGATGGCCATTTCCTCCACCTTCGCCACCTTCCGTGAAA 387
Pan troglodytes ADIB   323  GCCCGGACCCCTGCCAGGTATGGGCAGATGGCCATTTCCTCCACCTTCGCCACCTTCCGTGAAA 387
Pongo abelii ADIB      324  GCCCGGACCCCTGCCAGGTATGGGCAGATGGCCATTTCCTCCACTTCTTCGCCACCTTCCGTGAAA 388
Nomascus leucogenys ADIB 323  GCCCGGACCCCTGCCAGGTATGGGCAGATGGCCATTTCCTCCACCTTCGCCACCTTCCGTGAAA 387
Callithrix jacchus ADIB 324  -----GGGCAGATGGCCATTTCCTCCACCTTCGCCACCTTCCGTGAAA 386

      400     410     420     430     440     450
Homo sapiens ADIB      388  TGTGGTGCCAGGGCAGCTTGGTGTGTGAGGGGAAGGAGGGTTCCTCACTC-CTGCTGGGCCCGG 451
Pan troglodytes ADIB   388  TGTGGTGCCAGGGCAGCTTGGTGTGTGAGGGGAAGGAGGGTTCCTCACTC-CTGATGGGCCCGG 451
Pongo abelii ADIB      389  TGTGGTGCCAGGGCAGCTTGGTGTGTGAGGGGAAGGAGGGTTCCTCACTC-CTGTGGGCCCGG 452
Nomascus leucogenys ADIB 388  TGTGGTGCCAGGGCAGCTTGGTGTGTGAGGGGAAGGAGGGTTCCTCACTC-CTGCTGGGCCCGG 451
Callithrix jacchus ADIB 367  CGTGGTGCCAGGGCAGCTTGGTGTGTGAGGGGAAGGAGGGTTCCTCACTC-CTGCTGGGCCCGG 430

      460     470     480     490     500     510     520
Homo sapiens ADIB      452  GGCCTGGGCTGAAGAAAAGGCCCCACCATCCATCCATGGTGAGGCTCCGGGGGAGGAAGGAAGG 516
Pan troglodytes ADIB   452  GGCCTGGGCTGAAGAAAAGGCCCCACCATCCATCCATGGTGAGGCTCCGGGGGAGGAAGGAAGG 516
Pongo abelii ADIB      453  GGCCTGGGCTGAAGAAAGAGGTCCACCATCCATCCATGGTGAGGCTCCGGGGGAGGAAGGAAGG 517
Nomascus leucogenys ADIB 452  GGCCTGGGCTGAAGAAAGAGGCCCCACCATCCATCCATGGTGAGGCTCCGGGGGAGGAAGGAAGG 516
Callithrix jacchus ADIB 431  GACCTGGGCTTAAGAAAGAGGTGTACCATCCATCCATGGTGAGGCTCCGGGGGAGGAAGGAGG 495

      530     540     550     560     570     580
Homo sapiens ADIB      517  CGAGTCCCGAGGGCTGAGGAGGACGGCCCTGGGGAATGAGAGGGT-----TGGGGGCAGG 573
Pan troglodytes ADIB   517  CGAGTCCCGAGGGCTGAGGAGGACGGCCCTGGGGAATGAGAGGGT-----TGGGGGCAGG 573
Pongo abelii ADIB      518  CGAGTCCCGAGGGCTGAGGAGGACGGCCCTGGGGAATGAGAGGGT-----TCGGGACAGG 574
Nomascus leucogenys ADIB 517  CGAGTCCCGAGGGCTGAGGAGGACGGCCCTGGGGAATGAGAGGGT-----TGGGGGCAGG 572
Callithrix jacchus ADIB 496  CAGGATCCCGAGAGCTGGGGAGGACGAGCCCTGGGGAATGAGAGGGTGGCAGGGTGGGGCAAGG 560
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		590	600	610	620	630	
<i>Homo sapiens ADIB</i>	574	TGAGGGGCTG	GCGGGGACAG	TCAGCTCTCT	CCCTCCCAGTT	CCTTCTCCGGG	626 (-1 bp)
<i>Pan troglodytes ADIB</i>	574	TGAGGGGCTG	GCGGGGACAG	TCAGCTCTCT	CCCTCCCAGTT	CCTTCTCCGGG	626 (-1 bp)
<i>Pongo abelii ADIB</i>	575	CAAGGGGCTG	GCAAGGACAG	TCAGCTCTCT	CCCTCCCAGTT	CCTTCTCCGGG	627 (-1 bp)
<i>Nomascus leucogenys ADIB</i>	573	TGAGGGGCTG	GCGGGGACAG	TCAGCTCTCT	CCCTCCCAGTT	CCTTCTCCGGG	625 (-1 bp)
<i>Callithrix jacchus ADIB</i>	561	TGAGAGGCTG	--GGGCCAGA	TCAGCTCTCT	CCCTCCCAGTT	CCTTCTCCGGG	611 (-1 bp)

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		10	20	30	40	50	60	
<i>Homo sapiens ADIC</i>	1	GATTACCTGTGGGAGTGTATGAATG	TGTGTGTC	CCGTGCAAGT	GAGGGACAGG	GTCTATTTGGGTA		65
<i>Macaca mulatta ADIC</i>	1	GATCACCTGTGGGAGTGTATGAATG	GTGTGTCCATGT	GAGT	GAGGGACAGAGTCTATTTGGGTA			64
<i>Papio hamadryas ADIC</i>	1	GATCACCTGTGGGAGTGTATGAATG	TGTGTGTC	CCGTG	GAGT	GAGGGACAGAGTCTATTTGGGTA		65
<i>Callithrix jacchus ADIC</i>	1	GATCACCTGTG	GAGTGTATGAATG	TGTGTGTC	GGTGC	GAGT	GAGGGACAGAGTCTATTTGTGTA	64

		70	80	90	100	110	120	130
<i>Homo sapiens ADIC</i>	66	TCAGTTGTGTGCTAGGG	GGGTATAGTGGATTTCT	GAGTTTGCCTACT	TGTGTTTTGTAGGTGG			129
<i>Macaca mulatta ADIC</i>	65	TCAGTTGTGTGCTAGGG	GGGTATAGTGGATTTCCAAGTTTGCCTACT	TGTGTTTTGTAGGTACA				128
<i>Papio hamadryas ADIC</i>	66	TCAGTTGTGTGCTAGGGGGGGTTT	TAGTGGATTTCCAGTTTGCCTACT	TGTGTTTTGTAGGTGCA				130
<i>Callithrix jacchus ADIC</i>	65	TCAGTTGTGTGCTAGGG	GTGTGTAGTGGATTTCT	GAGTTTCCATATC	TGTGTTTTGTAGGTGTG			128

		140	150	160	170	180	190	
<i>Homo sapiens ADIC</i>	130	TGGATGAGAG	CTGTGTTTGT	CTGAGTGTGTGAA	GATGTGGGTGTGCTCT	GTTGCATGTGTGG		191
<i>Macaca mulatta ADIC</i>	129	TGTATGAGAGACTGTGTTTGT	CTGAA	TGTGTGATGATGTGGGTGTGCTTGGTTACATGTGIGG				191
<i>Papio hamadryas ADIC</i>	131	TGTGTGAGAGACTGTGTTTGT	CTGAA	TGTGTGATGATGTGGGTGTGCTTGGTTACATGTGIGG				193
<i>Callithrix jacchus ADIC</i>	129	TGGGTGAGAGC	CTGTGTTTGT	TATGACTGTGTGATGAG	GGTGA	TGTGCTTGGTTGCATGTG	---	190

		200	210	220	230	240	250	260
<i>Homo sapiens ADIC</i>	192	ATGTGTGTGAGTTTGTGGTTCT	TGTATATG	CGTGGGGTC	CTGGG	CTGATTGAGAGTGGACA		255
<i>Macaca mulatta ADIC</i>	192	ATGTGTGTGAGTTTGTGGTTCT	TGTATATG	TGTGGGGTCCCTGGC	CTGATTGAGAGTGGACA			256
<i>Papio hamadryas ADIC</i>	194	ATGTGTGTGAGTTTGTGGTTCT	TGTATATG	TGTGGGGTCCCTGGCACT	GATTGAGAGTGGACA			258
<i>Callithrix jacchus ADIC</i>	191	---	TGTGTGAGTTTGTGGTTCT	TGTATATG	TGTGGGGTCCCTGGAG	CTGATTGAGAGTGGAGC		252

		270	280	290	300	310	320	
<i>Homo sapiens ADIC</i>	256	TTGAGAGCCCGAGAGGGTGCA	TGTGCACTTGGGGAGGAC	TGTGCATATATCAT	TGTGTGCATGGG			320
<i>Macaca mulatta ADIC</i>	257	TTGAGAGCCCGGAGGGTGCA	TGTGCACTGGGGAGGTT	TGTGCATATATCAT	TGTGTGCATGGG			321
<i>Papio hamadryas ADIC</i>	259	TTGAGAGCCCGGAGGGTGCA	TGTGCACTGGGGAGGGCT	TGTGCATATATCAT	TGTGTGCATGGG			323
<i>Callithrix jacchus ADIC</i>	253	CTGAGAGCCCTGGAGGGTGCA	TGTGCACTGGGAGAGGGG	TGTGCATATATCAT	TGTGTGCATGGG			317

		330	340	350	360	370	380	390
<i>Homo sapiens ADIC</i>	321	ACTCAAGGGTGGGAGCTGGGTGTGAG	---	TGTGATGTCCA	ACCTGCCAGG	CCCTCCCGTGTCTCC		383
<i>Macaca mulatta ADIC</i>	322	ACTCAAGGGTGTGAGCTGGGTGTGAG	---	TGTGATGTCCAG	CCCTGCCAGG	CCCTCCCGTGTCTCC		384
<i>Papio hamadryas ADIC</i>	324	ACTCAAGGGTGTGAGCTGGGTGTGAG	---	TGTGATGTCCAG	CCCTGCCAGG	CCCTCCCGTGTCTCC		386
<i>Callithrix jacchus ADIC</i>	318	ACCCAAGGGTGTGAGCTGGGTGTGAG	TATGTGATGTCCA	GCCTGCCAGG	CCCTCCCGTGTCTCC			382

		400	
<i>Homo sapiens ADIC</i>	384	ACAGAGGCATC	394 (-1 bp)
<i>Macaca mulatta ADIC</i>	385	ACAGGGACAAC	395 (-1 bp)
<i>Papio hamadryas ADIC</i>	387	ACAGGGACAAC	397 (-1 bp)
<i>Callithrix jacchus ADIC</i>	383	ACAGGGGCATC	393 (-1 bp)

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		10	20	30	40	50	60	
<i>Homo sapiens ADIE</i>	1	GTCTGCCTCTAGAACTCTCCACCCATCATCTCTCTGCGTATTTCTCCCTGAAATGGGGTCTGGTCC						65
<i>Pan troglodytes ADIE</i>	1	GTCTGCCTCTAGAACTCTCCACCCATCATCTCTCTGCGTATTTCTCCCTGAAATGGGGTCTGGTCC						65
<i>Pongo abelii ADIE</i>	1	GTCTGCCTCAGAACTCTCCACCCATCATCTCTCTGCGTATTTCTCCCTGAAATGGAGTCTGGTCC						65
<i>Papio hamadryas ADIE</i>	1	GTCTGCCTCTAGAACTCTCCACCCATCATCTCCCTACGTATTTCTCCCTGAAATGGGGTCTGGTCC						65
<i>Callithrix jacchus ADIE</i>	1	GTCTGCCTCTAGAACTCTCCACCCATCATCTCTCTGCTTATTTCTCTCTGCAAGGGGGTCTGATCT						65
		70	80	90	100	110	120	130
<i>Homo sapiens ADIE</i>	66	TTGGTCTCTGCCACTGCCCTGCCTCTCCTCTGGCCCTGGGAACAGGAGGTGCCCTTGTGTCCG						129
<i>Pan troglodytes ADIE</i>	66	TTGGTCTCTGCCACTGCCCTGCCTCTCCTCTGGCCCTGGGAACAGGAGGTGCCCTTGTGTCCG						129
<i>Pongo abelii ADIE</i>	66	TTGGTCTCTGCCACTGCCCTGCCTCTCCTCTGGCCCTGGGAACAGGAGGTGCCCTTGTGTCCG						129
<i>Papio hamadryas ADIE</i>	66	TTGGTCTCTGCCACTGCCCTGCCTCTCCTCTGGCCCTGGGAACAGGAGGTGCCCTTGTGTCCG						129
<i>Callithrix jacchus ADIE</i>	66	TTGGTCTCTGCCACTGTCAGCCTCTCCTCTGGCCCTGGGAACAGGAGGTGCCCTTGTGTCTG						130
		140	150	160	170	180	190	
<i>Homo sapiens ADIE</i>	130	TCTCTCGAAGTTCTGCCTCTCTGTGCCAGCTCAAGTCTCTCTCCCCCTCTTCTCCCCCTAAA						194
<i>Pan troglodytes ADIE</i>	130	TCTCTCGAAGTTCTGCCTCTCTGTGCCAGCTCAAGTCTCTCTCCCCCTCTTCTCCCCCTAAA						194
<i>Pongo abelii ADIE</i>	130	TCTCTCGAAGTTCTGCCTCTCTGTGCCCTGCTCAAGTCTCTCTCCCCCTCTTCTCCCCCTAAA						194
<i>Papio hamadryas ADIE</i>	130	TCTCTCGAAGTTCTGCCTCTCTGTGCCAGCTCAAGTCTTCTTCCCCCTCTTCTCCCCCTAAA						194
<i>Callithrix jacchus ADIE</i>	131	TCTCTCGAAGTTCTGCCTCTCTGTGCCAGCTCAAGTCTCTCTCCCCCTCTTCTCCCCCTAAA						195
		200	210	220	230	240	250	260
<i>Homo sapiens ADIE</i>	195	CTTTGGCCGGCCGCCGGGGACACCACGAGTTATTTCCAGCTATTTCCCGGTCCGGGAGCTCTT						259
<i>Pan troglodytes ADIE</i>	195	CTTTGGCCGGCCGCCGGGGACACCACGAGTTATTTCCAGCTATTTCCCGGTCCGGGAGCTCTT						259
<i>Pongo abelii ADIE</i>	195	CTTTGGCCGGCCGCCGGGGACACCACGAGTTATTTCCAGCTATTTCCCGGTCCGGGAGCTCTT						259
<i>Papio hamadryas ADIE</i>	195	CTTTGGCCGGCCGCCGGGGACACCACGAGTTATTTCCAGCTATTTCCCGGTCCGGGAGCTCTT						259
<i>Callithrix jacchus ADIE</i>	196	CTTTGGCCGGCCGCCGGGGACACCACGAGTTATTTCCAGCTATTTCCCGGTCCGGGAGCTCTT						260
		270	280	290	300	310	320	
<i>Homo sapiens ADIE</i>	260	GGCCCCGAACAACCTGGTTTCCTTTGGAGTCTGGGAGGAGGAAAGCCGGAGCCGGCAGGGAGCGA						324
<i>Pan troglodytes ADIE</i>	260	GGCCCCGAACAACCTGGTTTCCTTTGGAGTCTGGGAGGAGGAAAGCCGGAGCCGGCAGGGAGCGA						324
<i>Pongo abelii ADIE</i>	260	GGCCCCGAACAACCTGGTTTCCTTTGGAGTCTGGGAGGAGGAAAGCCGGAGCCGGCAGGGAGCGA						324
<i>Papio hamadryas ADIE</i>	260	GGCCCCGAACAACCTGGTTTCCTTTGGAGTCTGGGAGGAGGAAAGCCGGAGCCGGCAGGGAGCGA						324
<i>Callithrix jacchus ADIE</i>	261	GGCCCCGAACAACCTGGTTTCCTTTGGAGTCTGGGAGGAGGAAAGCCGGAGCCGGCAGGGAGCGA						325
		330	340	350	360	370	380	390
<i>Homo sapiens ADIE</i>	325	ACCAGGACTGGGGTGACGGCAGGGCAGGGGGCGCCTGGCCGGGGAGAAAGCGGGGGGCTGGAGCA						389
<i>Pan troglodytes ADIE</i>	325	ACCAGGACTGGGGTGACGGCAGGGCAGGGGGCGCCTGGCCGGGGAGAAAGCGGGGGGCTGGAGCA						389
<i>Pongo abelii ADIE</i>	325	ACCAGGACTGGGGTGACGGCAGGGCAGGGGGCGCCTGGCCGGGGAGAAAGCGGGGGGCTGGAGCA						389
<i>Papio hamadryas ADIE</i>	325	ACCAGGACTGGGGTGACGGCAGGGCAGGGGGCGCCTGGCCGGGGAGAAAGCGGGGGGCTGGAGCA						389
<i>Callithrix jacchus ADIE</i>	326	ACCAGGACTGGGAGTGACTGGGGAGGGGGCGCCTGGCCGGGGAGAAAGCGGGGGGCTGGGGCA						390
		400	410	420	430	440	450	
<i>Homo sapiens ADIE</i>	390	CCACCAACTGGAGGGTCCGGAGTAGCGAGCGCCCGGAAGGAGGCCATCGGGGAGCCGGGAGGGG						453
<i>Pan troglodytes ADIE</i>	390	CCACCAACTGGAGGGTCCGGAGTAGCGAGCGCCCGGAAGGAGGCCATCGGGGAGCCGGGAGGGG						453
<i>Pongo abelii ADIE</i>	390	CCACCAACTGGAGGGTCCGGAGTAGCGAGCGCCCGGAAGGAGGCCATCGGGGAGCCGGGAGGGG						453
<i>Papio hamadryas ADIE</i>	390	CCACCGACTGGAGGGTCCGGAGTAGCGAGCGCCCGGAAGGAGGCCATCGGGGAGCCGGGAGGGG						453
<i>Callithrix jacchus ADIE</i>	391	CGGCCTACTGGAGGGTCCGGAGTAGGTAGCGCCCGGAAGGAGGCCATCGGGGAGCCAGGAGG-C						454
		460	470	480	490	500	510	520
<i>Homo sapiens ADIE</i>	454	GGGTGAGTCTGGCGGAGGAGGGGAAAGGGGCTGGGGAGGGGACTGTGGGAAAGGCTGGCGCGGGC						518
<i>Pan troglodytes ADIE</i>	454	GGGTGAGTCTGGCGGAGGAGGGGAAAGGGGCTGGGGAGGGGACTGTGGGAAAGGCTGGCGCGGGC						518
<i>Pongo abelii ADIE</i>	454	GGGTGAGTCTGGCGGAGGAGGGGAAAGGGGCTGGGGAGGGGACTGTGGGAAAGGCTGGCGCGGGC						518
<i>Papio hamadryas ADIE</i>	454	GGGTGAGTCTGGCGGAGGAGGGGAAAGGGGCTGGGGAGGGGACTGTGGGAAAGGCTGGCGCGGGC						518
<i>Callithrix jacchus ADIE</i>	455	GGGTGAGTCTGGCGGAGGAGGGGAAAGGGGCTGGGGAGGAGACTGTGGGAAAGGCTGGCGCAGGC						519
		530	540	550	560	570	580	
<i>Homo sapiens ADIE</i>	519	CGGCGGTGGGAGGGAGGGCTGCGCGCTCCACCCTCTCGCCTGCCTGTGCTCTCCGGATGCTC						583
<i>Pan troglodytes ADIE</i>	519	CGGCGGTGGGAGGGAGGGCTGCGCGCTCCACCCTCTCGCCTGCCTGTGCTCTCCGGATGCTC						583
<i>Pongo abelii ADIE</i>	519	CAGCGGTGGGAGGGAGGGCTGCGCGCTCCACCCTCTCGCCTGCCTGTGCTCTCCGGATGCTC						583
<i>Papio hamadryas ADIE</i>	519	CGGCGGTGGGAGGGAGGGCTGCGCGCTCTACCCTCTCGCCTGCCTGTGCTCTCCGGATGCTC						583
<i>Callithrix jacchus ADIE</i>	520	CAGCGGTGGGAGGGAAAACTGACCGCTCTACCCTCTCGCCTGCCTGTGCTCTCCGGATGCTC						583

		590	600	610	620	630	640	650	
<i>Homo sapiens ADIE</i>	584	GGCCCTGCAGCGCTCAGCCTCAGGGGACGGCAGTGGGGTGGGGACCGACTGGGC	CGGCCCGG						648
<i>Pan troglodytes ADIE</i>	584	GGCCCTGCAGCGCTCAGCCTCAGGGGACGGCAGTGGGGTGGGGACCGACTGGGC	CGGCCCGG						648
<i>Pongo abelii ADIE</i>	584	GGCCCTGCAGCGCTCAGCCTCAGGGGACGGCAGTGGGGTGGGGACCGACTGGGC	CGGCCCGG						648
<i>Papio hamadryas ADIE</i>	584	GGCCCTGCAGCGCTCAGCCTCAGGGGACGGCAGTGGGGTGGGGACCGACTGGGC	CGGCCCGG						648
<i>Callithrix jacchus ADIE</i>	584	GGCTCCGCGGCACTCAGCCTCAGGGGACGGCAGTGGGGTGGGGACCGACTGGGC	CGGCCCGG						648

		660	670	680	690	700	710	
<i>Homo sapiens ADIE</i>	649	GTGGGGACAGAGGCAGGTCCCAGGATTCTGGGTCCC	ACTCCAGTCCTGCTGGTCCACAGACTG					713
<i>Pan troglodytes ADIE</i>	649	GTGGGGACAGAGGCAGGTCCCAGGATTCTGGGTCCC	ACTCCAGTCCTGCTGGTCCACAGACTG					713
<i>Pongo abelii ADIE</i>	649	GTGGGGACAGAGGCAGGTCCCAGGATTCTGGGTCCC	ACTCCAGTCCTGCTGGTCCACAGACTG					713
<i>Papio hamadryas ADIE</i>	649	GTGGGGACAGAGGCAGGTCCCAGGATTCTGGGTCCC	ACTCCAGTCCTGCTGGTCCACAGACTG					713
<i>Callithrix jacchus ADIE</i>	649	GTGGGGACAGAGGCAGGTCCCAGGATTCTGGGTCCC	ACTCCAGTCCTGCTGGTCCACAGACTG					713

		720	730	740	750	
<i>Homo sapiens ADIE</i>	714	CGAGAGGACCCCGGCGTCCGGGCTCCCGGTGCCAGCGCT				752 (-1 bp)
<i>Pan troglodytes ADIE</i>	714	CGAGAGGACCCCGGCGTCCGGGCTCCCGGTGCCAGCGCT				752 (-1 bp)
<i>Pongo abelii ADIE</i>	714	CGAGAGGACCCCGGCGTCCGGGCTCCCGGTGCCAGCGCT				752 (-1 bp)
<i>Papio hamadryas ADIE</i>	714	CGAGAGGACCCCGGCGTCCGGGCTCCCGGTGCCAGCGCT				752 (-1 bp)
<i>Callithrix jacchus ADIE</i>	714	CGAGAGGACCCCGGCGTCCGGGCTCCCGGTGCCAGCGC				752 (-1 bp)

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		10	20	30	40	50	60	
<i>Homo sapiens ADIF1</i>	1	TATCGTGATAAAAATTTGATCTGTACGAGAGTCCTGTGAGATAAGTAAGCATTCATCTCTGGTTCA	65					
<i>Homo sapiens ADIF2</i>	1	TATTGTGATAAAAATTTGATTTTACAAATAGTCCTGTGAGATAAGTAAGCATTCATCTCTGGTTAA	65					
<i>Pan troglodytes ADIF1</i>	1	TATTGTGATAAAAATTTGATCTGTACGAGAGTCCTGTGAGATAAGTAAGCATTCATCTCTGGTTCA	65					
<i>Pongo abelii ADIF1</i>	1	TATTGTGATAAAAATTTGATCTTACAAAGAGTCCTGTGAGATAAGTAAGCATTCATCTCTGGTTCA	65					
<i>Nomascus leucogenys ADIF1</i>	1	TATTGTGATAAAAATTTGATCTTACAAAGAGTCCTGTGAGATAAGTAAGCATTCATCTCTGGTTCA	65					
		70	80	90	100	110	120	130
<i>Homo sapiens ADIF1</i>	66	GAAAAGTGATTTCTTCAAAGTGAAATGATGAAAGGAAGAGTATCCTGACCTTAAACTTGGCTTTT	130					
<i>Homo sapiens ADIF2</i>	66	GACAAGTGATTTCTTCAAAGTGAAATGATGAAAGGAAGAGTATCCTGACCTTAAACTTGGCTTTT	130					
<i>Pan troglodytes ADIF1</i>	66	GAAAAGTGATTTCTTCAAAGTGAAATGATGAAAGGAAGAGTATCCTGACCTTAAACTTGGCTTTT	130					
<i>Pongo abelii ADIF1</i>	66	GAAAAGTGATTTCTTCAAAGTGAAATGATGAAAGGAAGAGTATCCTGACCTTAAACTTGGCTTTT	130					
<i>Nomascus leucogenys ADIF1</i>	66	GAAAAGTGATTTCTTCAAAGTGAAATGATGAAAGGAAGAGTATCCTGACCTTAAACTTGGCTTTT	130					
		140	150	160	170	180	190	
<i>Homo sapiens ADIF1</i>	131	TTAAATGCCCCGTTCACTTGAAGAGTGGTTCCAATCACAAGTC--TTACCTTCCAAGGACAAATG	192					
<i>Homo sapiens ADIF2</i>	131	TTTATTGCCCCGTTCACTTGAAGAGTGGTTCCAATCACAAGTC--TTACCTTCCAAGGACAAATG	193					
<i>Pan troglodytes ADIF1</i>	131	TTAAATGCCCCGTTCACTTGAAGAGTGGTTCCAATCACAAGTC--TTACCTTCCAAGGACAAATG	192					
<i>Pongo abelii ADIF1</i>	131	TTTATTGCCCCGTTCACTTGAAGAGTGGTTCCAATCACAAGTCCTTTACCTTCCAAGGACAAATG	194					
<i>Nomascus leucogenys ADIF1</i>	131	TTTATTGCCCCGTTCACTTGAAGAGTGGTTCCAATCACAAGTC--TTACCTTCCAAGGACAAATG	192					
		200	210	220	230	240	250	260
<i>Homo sapiens ADIF1</i>	193	TCATTCTGGTTATAATCAGCTTGCTCCCTGCCCTGAGCTTCTGTCCAGTCTGTGCAGGTGTG	257					
<i>Homo sapiens ADIF2</i>	194	TCATCCTGGTTATAAACAGCTTGCTCCCTGCCCTGAGCTTCTGTCCAGTCTGTGCAGGTGTG	257					
<i>Pan troglodytes ADIF1</i>	193	TCATTCTGGTTATAATCAGCTTGCTCCCTGCCCTGAGCTTCTGTCCAGTCTGTGCAGGTGTG	257					
<i>Pongo abelii ADIF1</i>	195	TCATTCTAGTTATAATCAGCTTGCTCCCTGTCCTGAGCTTCTGTCCAGTCTGTGCAGGTGTG	259					
<i>Nomascus leucogenys ADIF1</i>	193	CTATCCTGGTTATAAACAGCTTGCTCCCTGCCCTGAGCTTCTGTCCAGTCTGTGCAGGTGTG	257					
		270	280	290	300	310	320	
<i>Homo sapiens ADIF1</i>	258	GGTCTGGGGCAGGGGACAGCTCATCCATTTCCCACTGCACGGAAACAGAGGCTGTGTCCAGGGCC	322					
<i>Homo sapiens ADIF2</i>	258	GGTCTGGGGCAGGGGACAGCTCATCCATTTCCCACTGCACAGAAACAGAGGCTGTGTCCAGGGCC	322					
<i>Pan troglodytes ADIF1</i>	258	GGTCTGGGGCAGGGGACAGCTCATCCATTTCCCACTGCACGGAAACAGAGGCTGTGTCCAGGGCC	322					
<i>Pongo abelii ADIF1</i>	260	GGTCTGGGGCAGGGGACAGCTCATCCATTTCCCACTGCACGAAACAGAGGCTGTGTCCAGGGCC	324					
<i>Nomascus leucogenys ADIF1</i>	258	GGCCTGGGACAGGGGACAGCTCATCCATTTCCCACTGCACGGAAACAGAGGCTGTGTCCAGGGCC	322					
		330	340	350	360	370	380	390
<i>Homo sapiens ADIF1</i>	323	CAGCAACAAAGATTTCTCCTTTGGGTTTCTGTTTCCCTCTTTTCAGTTCAGAGTCTGTCTATCTGAA	387					
<i>Homo sapiens ADIF2</i>	323	CAGCAACAAAGATTTCTCCTTTGGGTTTCTGTTTCCCTCTTTTCAGTTCAG--TCTGTCTATCTGAA	385					
<i>Pan troglodytes ADIF1</i>	323	CAGCAACAAAGATTTCTCCTTTGGGTTTCTGTTTCCCTCTTTTCAGTTCAGAGTCTGTCTATCTGAA	387					
<i>Pongo abelii ADIF1</i>	325	CAGCAACAAAGATTTCTCCTTTGGGTTTCTGTTTCCCTCTTTTCAGTTCAGAGTCTGTCTATCTGAA	389					
<i>Nomascus leucogenys ADIF1</i>	323	CAGCAACAAAGATTTCTCCTTTGGGTTTCTGTTTCCCTCTTTTCAGTTCAGAGTCTGTCTATCTGAA	387					
<i>Homo sapiens ADIF1</i>	388	CC	389	(-1 bp)				
<i>Homo sapiens ADIF2</i>	386	CC	387	(-1 bp)				
<i>Pan troglodytes ADIF1</i>	388	CC	389	(-1 bp)				
<i>Pongo abelii ADIF1</i>	390	CC	391	(-1 bp)				
<i>Nomascus leucogenys ADIF1</i>	388	CC	389	(-1 bp)				

E

		10	20	30	40	50	60	
<i>Homo sapiens ADIG</i>	1	AATGTA AATCTCAAGGTGGTAAAAATAATCTTGATGTTTATCTTTTTCATTTCCAGGTCTAAATT						65
<i>Pan troglodytes ADIG</i>	1	AATGTA AATCTCAAGGTGGTAAAAATAATCTTGATGTTTATCTTTTTCATTTCCAGGTCTAAATT						65
<i>Pongo abelii ADIG</i>	1	AATGTA AATCTCAAGGTGGTAAAAATAATCTTGATGTTTATCTTTTTCATTTCCAGGTCTAAATT						65
<i>Callithrix jacchus ADIG</i>	1	AATGCA AATCTCAAGGTGGTAAAAATAATCTTGATGTTTGTCTTTTTCATTTCCAGGTCTAAATT						65
		70	80	90	100	110	120	130
<i>Homo sapiens ADIG</i>	66	TTTTCCTTTAAAAATGCACACTATGTTTGTAAAAAGAAAATGCCATTTTTAAATCCATCATTGATT						130
<i>Pan troglodytes ADIG</i>	66	TTTTCCTTTAAAAATGCACACTATGTTTGTAAAAAGAAAATGCCATTTTTAAATCCATCATTGATT						130
<i>Pongo abelii ADIG</i>	66	TTTTCCTTTAAAAATGCACACTATGTTTGTAAAAAGAAAATGCCATTTTTAAATCCATCATTGATT						130
<i>Callithrix jacchus ADIG</i>	66	TTATTCCTTTGAAAAATGTGCTACTTTTGC AA-AAGAAAATGCCATTTTTAAATCCATCATTAT						129
		140	150	160	170	180	190	
<i>Homo sapiens ADIG</i>	131	TCTGAAGAATAAAT-----GCAGTGATTTATTTTGAATGTTT TAACCAATTCTTCATCTGCAC						190
<i>Pan troglodytes ADIG</i>	131	TCTGAAGAATAAAT-----GCAGTGATTTATTTTGAATGTTT TAACCAATTCTTCATCTGCAC						190
<i>Pongo abelii ADIG</i>	131	TCTGAAGAATAAAT-----GCAGTGATTTATTTTGAATGTTT TAACCAATTCTTCATCTGCAC						190
<i>Callithrix jacchus ADIG</i>	130	TCTGAAGAATAAATACAATGCAGTGCTTTATTTTGAATGTTTCTAACCAATTCTTCATCTGCAC						194
		200	210	220	230	240	250	
<i>Homo sapiens ADIG</i>	191	CAACTCCCGTGTAGGGCACTGAGGATTCTATATCAATAATGTGTTGATAATTTTCAATGGAATT						254
<i>Pan troglodytes ADIG</i>	191	CAACTCCCGTGTAGGGCACTGAGGATTCTATATCAATAATGTGTTGATAATTTTCAATGGAATT						254
<i>Pongo abelii ADIG</i>	191	CAACTCCCGTGTAGGGCACTGAGGATTCTATATCAATAATGTGTTAATAATTTTCAATGGAATT						254
<i>Callithrix jacchus ADIG</i>	195	CAACTCCCGTGTAGGGCACTGCAGATTCTATATCAATAATGTGTTAATAATTTTCAATGGAATT						258
<i>Homo sapiens ADIG</i>		(-1 bp)						
<i>Pan troglodytes ADIG</i>		(-1 bp)						
<i>Pongo abelii ADIG</i>		(-1 bp)						
<i>Callithrix jacchus ADIG</i>		(-23 bp)						

F

		10	20	30	40	50	60	
<i>Homo sapiens ADIH</i>	1	GATGATGAATGCCCTCACCCCGAGACCCCTTCGAAGTGTATTCTGGGTAATGACTCCACTCACC						65
<i>Pan troglodytes ADIH</i>	1	GTGATGAATGCCCTCAACCCCGAGACCCCTTCGAAGTGTATTCTGGGTAATGACTCCACTCACC						65
<i>Pongo abelii ADIH</i>	1	GATGATGAATGCCCTCACCCCGAGACCCCTTCGAAGTGTATTCTGGGTAATGACTCCACTCACC						65
<i>Nomascus leucogenys ADIH</i>	1	GATGATGAGTGCCTCACCCCGAGACCCCTTCGAAGTGTATTCTGGGTAATGACTCCACTCACC						65
<i>Macaca mulatta ADIH</i>	1	CATGATGAGTGCCTCACCCCGAGACCCCTTCGAAGTGTATTCTGGGTAATGACTCCACTCACC						65
		70	80	90	100	110	120	130
<i>Homo sapiens ADIH</i>	66	AAATATCTCCTCAAGATATGACGACTCTGTCCACATCACATCTACTTGTATGTGATGCAGGAAAG						130
<i>Pan troglodytes ADIH</i>	66	AAATATCTCCTCAAGATATGACGACTCTGTCCACATCACATCTACTTGTATGTGATGCAGGAAAG						130
<i>Pongo abelii ADIH</i>	66	AAATACCTCCTCAAGATATGATGACTCTGTCCACATCACATCTACTTGTATGTGATGCAGGAAAG						130
<i>Nomascus leucogenys ADIH</i>	66	AAATACCTCCTCAAGATATGACGACTCTGTCCACATCACATCTACTTGTATGTGATGCAGGAAAG						130
<i>Macaca mulatta ADIH</i>	66	AAATACCTCCTCAAGATATGACGACTCTGTCCACATCACATCTACTTGTATGTGATGCAGGAAAG						130
		140	150	160	170	180	190	
<i>Homo sapiens ADIH</i>	131	AGCAAGAGACAGAAATCCAACCTGAGTGTATCCCACTGCCTCCTCCTGTGCATCCCCTCTGACCA						195
<i>Pan troglodytes ADIH</i>	131	AGCAAGAGACAGAAATCCAACCTGAGTGTATCCCACTGCCTCCTCCTGTGCATCCCCTCTGACCA						195
<i>Pongo abelii ADIH</i>	131	AGCAAGAGACAGAAATCCAACCTGAGTGTATCCCACTGCCTCCTCCTGTGCATCCCCTCTGACCA						195
<i>Nomascus leucogenys ADIH</i>	131	AGCAAGAAACAGCAATCCAACCTGAGTGTATCCCACTGCCTCCTCCTGTGCATCCCCTCTGACCA						195
<i>Macaca mulatta ADIH</i>	131	AGCAAGAGACAGAAATCCAGTGTGAGTGTATCCCACTGCCTCCTCCTGTGCATCCCCTCTGACCA						195
		200	210	220	230	240	250	260
<i>Homo sapiens ADIH</i>	196	GCCCCAGGTCAGCTTGGTGGCCACACTCACCTGTTCACAGCTCTCTTGCCTCCCACAGGTAACCAC						260
<i>Pan troglodytes ADIH</i>	196	GCCCCAGGTCAGCTTGGTGGCCACACTCACCTGTTCACAGCTCTCTTGCCTCCCACAGGTAACCAC						260
<i>Pongo abelii ADIH</i>	196	GCCCCAGGTCAGCTTGGTGGCCACACTCACCTGTTCACAGCTCTCTTGCCTCCCACAGGTAACCAC						260
<i>Nomascus leucogenys ADIH</i>	196	GCCCCAGGTCAGCTTGGTGGCCACACTCACCTGTTCACAGCTCTCTTGCCTCCCACAGGTAACCAC						260
<i>Macaca mulatta ADIH</i>	196	GACCCAGGTCAGCTTGGTGGCCACACTCACCTGTTCACAGCTCTCTTGCCTCCCACAGGTAACCAC						260
<i>Homo sapiens ADIH</i>	261	C	261 (-1 bp)					
<i>Pan troglodytes ADIH</i>	261	C	261 (-1 bp)					
<i>Pongo abelii ADIH</i>	261	C	261 (-1 bp)					
<i>Nomascus leucogenys ADIH</i>	261	C	261 (-1 bp)					
<i>Macaca mulatta ADIH</i>	261	C	261 (-1 bp)					

G

		10	20	30	40	50	60	
<i>Homo sapiens ADII</i>	1	TCGTCTTGTGTGCCCCACGTCATGCGCGCGGGGTCCGCGGCTCTCCGACCAGCCCCAGCGGG						65
<i>Pongo abelii ADII</i>	1	TCGTCTTGTGTGCCCCACGTCATGCGCGCGGGGTCCGCGGCTCTCCGACCAGCCCCAGCGGG						65
<i>Macaca mulatta ADII</i>	1	TTGTCTTGTGTGCCCCACGTCATGCGCGCGGGGTCCGCGGCTCTCCGACCAGCCCCAGCGGG						65
		70	80	90	100	110	120	130
<i>Homo sapiens ADII</i>	66	TGGGCCCAAGCGTCAGAGGTCCCGGCGCCTCTCGCTGAAGTAGTTGGGTAGCCGGGGCTGGGGGTC						130
<i>Pongo abelii ADII</i>	66	TGGGCCCAAGCGTCAGAGGTCCCGGCGCCTCTCGCTGAAGTAGTTGGGTAGCCGGGGCTGGGGGTC						130
<i>Macaca mulatta ADII</i>	66	TGGGCCCAAGCGTCAGAGGTCCCGGCGCCTCTCGCTGAAGTAGTTGGGTAGCCGGGGCTGGGGGTC						130
		140	150	160	170	180	190	
<i>Homo sapiens ADII</i>	131	GCCACGTCGGGGGCGGGCCAGGACCCGCGGAGCCGGTCCCCGAGCGCGGGAGCGGGGCCGCC						195
<i>Pongo abelii ADII</i>	131	GCCACGTCGGGGGCGGGCCAGGACCCGCGGAGCCGGTCCCCGAGCGCGGGAGCGGGGCCGCC						195
<i>Macaca mulatta ADII</i>	131	GCCACGTCGGGGGCGGGCCAGGACCCGCGGAGCCGGTCCCCGAGCA CGGGAGCGGGGCCGCC						195
		200	210	220	230	240	250	260
<i>Homo sapiens ADII</i>	196	GCGCCGCCCCACCATTACCTCCCCGGGCGGCAAGGAGGAGCTGGTGGCGGTTCGCCTCCCGGCTGT						260
<i>Pongo abelii ADII</i>	196	GCGCCGCCCCACCATTACCTCCCCGGGCGGCAAGGAGGAGCTGGTGGCGGTTCGCCTCCCGGCTGT						260
<i>Macaca mulatta ADII</i>	196	GCGCCGCCCCACCATTACCTCCCCGGGCGGCAAGGAGGAGCTGGTGGCGGTTCGCCTCCCGGCTGT						260
		270	280	290	300	310		
<i>Homo sapiens ADII</i>	261	GGCAGCGGCGGGCGGCGTGCCTGCCTGGCGGCCGTCGGCGTACTCTTGGCC				310	(-1 bp)	
<i>Pongo abelii ADII</i>	261	GGCAGCGGCGGGCGGCGTGCCTGCCTGGCGGCCGTCGGCGTACTCTTGGCC				310	(-1 bp)	
<i>Macaca mulatta ADII</i>	261	GGCAGCGGCGGGCGGCGTGCCTGCCTGGCGGCCGTCGGCGTACTCTTGGCC				310	(-1 bp)	

H

		10	20	30	40	50	60	
<i>Homo sapiens ADIJ</i>	1	TCCCACATTGTCAGAGTAATGCCAAACTCTCTCTGAGTGGGATGAGCAGAGCAGATGCTGCAATG						65
<i>Pan troglodytes ADIJ</i>	1	TCCCACATTGTCAGAGTAATGCCAAACTCTCTCTGAGTGGGATGAGCAGAGCAGATGCTGCAATG						65
<i>Papio hamadryas ADIJ</i>	1	TCCCACATTGTCAGAGTAATGCCAAACTCTCTCTGAGTGGGATGAGCAGAGCAGATGCTGCAATG						65
		70	80	90	100	110	120	130
<i>Homo sapiens ADIJ</i>	66	AGATGCCAAAGCGGCTCCCTTCTCTGTGCCTTGGGTGCTATAAATTGCTCCGGCGCGGTTT						130
<i>Pan troglodytes ADIJ</i>	66	AGATGCCAAAGCGGCTCCCTTCTCTGTGCCTTGGGTGCTATAAATTGCTCCGGCGCGGTTT						130
<i>Papio hamadryas ADIJ</i>	66	AGATGCCAAAGCGGCTCCCTTCTCTGTGCCTTGGGTGCTATAAATTGCTCCGGCGCGGTTT						130
		140	150	160	170	180	190	
<i>Homo sapiens ADIJ</i>	131	GTCAGCCTCCTTCTCTGGCAGTGGTACCAGGCAGAATTCTGCCTTCAGTCTCTCTCTCGC						195
<i>Pan troglodytes ADIJ</i>	131	GTCAGCCTCCTTCTCTGGCAGTGGTACCAGGCAGAATTCTGCCTTCAGTCTCTCTCTCGC						195
<i>Papio hamadryas ADIJ</i>	131	GTCAGCCTCCTTCTCTGGCAGTGGTACCAGGCAGAATTCTGCCTTCAGTCTCTCTCTCGC						195
		200	210	220	230	240	250	260
<i>Homo sapiens ADIJ</i>	196	TCCGCTCCCGCGCGTGAAGCGCTCGCCGCTGCTCGCTCCTCCGCCCCAGGCTCTGAGCCTCG						260
<i>Pan troglodytes ADIJ</i>	196	TCCGCTCCCGCGCGTGAAGCGCTCGCCGCTGCTCGCTCCTCCGCCCCAGGCTCTGAGCCTCG						260
<i>Papio hamadryas ADIJ</i>	196	TCCGCTCCCGCGCGTGAAGCGCTCGCCGCTGCTCGCTCCTCCGCCCCAGGCTCTGAGCCTCG						260
		270	280	290	300	310	320	
<i>Homo sapiens ADIJ</i>	261	CCGTGCCGACCGTGCCCGCCGCGCCGCGCTGGGCGCACCCGGGGACGCCCGGGCCACGCGG						325
<i>Pan troglodytes ADIJ</i>	261	CCGTGCCGACCGTGCCCGCCGCGCCGCGCTGGGCGCACCCGGGGACGCCCGGGCCACGCGG						325
<i>Papio hamadryas ADIJ</i>	261	CCGTGCCGACCGTGCCCGCCGCGCCGCGCTGGGCGCACCCGGGGACGCCCGGGCCACGCGG						325
		330	340	350	360	370	380	390
<i>Homo sapiens ADIJ</i>	326	GGCTTTGGGGTGGCGTCTATTTCGAGTGTGGTGGTGGCAAAGGAGGAAGAGAAAAGGAGGCAA						390
<i>Pan troglodytes ADIJ</i>	326	GGCTTTGGGGTGGCGTCTATTTCGAGTGTGGTGGTGGCAAAGGAGGAAGAGAAAAGGAGGCAA						390
<i>Papio hamadryas ADIJ</i>	326	GGCTTTGGGGTGGCGTCTATTTCGAGTGTGGTGGTGGCAAAGGAGGAAGAGAAAAGGAGGCAA						390
		400	410	420	430	440	450	
<i>Homo sapiens ADIJ</i>	391	T-AAAAA--AAAAAGGCAGCGGACGGGCGAACTGAGCGAGCGAAAAGAGAGGAGGAGGCAGA						452
<i>Pan troglodytes ADIJ</i>	391	TTAAAAA--AAAAAGGCAGCGGACGGGCGAACTGAGCGAGCGAAAAGAGAGGAGGAGGCAGA						455
<i>Papio hamadryas ADIJ</i>	391	TTAAAAA--AAAAAGGCAGCGGACGGGCGAACTGAGCGAGCGAAAAGAGAGGAGGAGGCAGA						453
		460	470	480	490	500	510	520
<i>Homo sapiens ADIJ</i>	453	AAAAGGCAACTTCAGACGAAAGTTGGTGCGAACAGGGCGAGTCTGCAAAAACGGAAAAGTCGAT						517
<i>Pan troglodytes ADIJ</i>	456	AAAAGGCAACTTCAGACGAAAGTTGGTGCGAACAGGGCGAGTCTGCAAAAACGGAAAAGTCGAT						520
<i>Papio hamadryas ADIJ</i>	454	AAAAGGCAACTTCAGACGAAAGTTGGTGCGAACAGGGCGAGTCTGCAAAAACGGAAAAGTCGAT						518
		530	540	550	560	570	580	
<i>Homo sapiens ADIJ</i>	518	CGCAGGCGGCGCGGCATAAAAGTGTGAGCTGCCCGGGCGAGCTCAGGAGGCGCGGCTGGCTCT						582
<i>Pan troglodytes ADIJ</i>	521	CGCAGGCGGCGCGGCATAAAAGTGTGAGCTGCCCGGGCGAGCTCAGGAGGCGCGGCTGGCTCT						585
<i>Papio hamadryas ADIJ</i>	519	CGCAGGCGGCGCGGCATAAAAGTGTGAGCTGCCCGGGCGAGCTCAGGAGGCGCGGCTGGCTCT						583
		590	600	610	620	630	640	650
<i>Homo sapiens ADIJ</i>	583	GCCCTCCCGGTGGCCGCGCGGCGCGGGCTGCAGCCACAGGTGCGAAGGAGCTCGCGGGCGGCGA						647
<i>Pan troglodytes ADIJ</i>	586	GCCCTCCCGGTGGCCGCGCGGCGCGGGCTGCAGCCACAGGTGCGAAGGAGCTCGCGGGCGGCGA						650
<i>Papio hamadryas ADIJ</i>	584	GCCCTCCCGGTGGCCGCGCGGCGCGGGCTGCAGCCACAGGTGCGAAGGAGCTCGCGGGCGGCGA						648
		660	670	680	690	700	710	
<i>Homo sapiens ADIJ</i>	648	GGGCGCCCCGCGCACCCCTCCCGCGCCCCACCCCGGGCTCGGGACTTCGGTCAAGTCACTGG						712
<i>Pan troglodytes ADIJ</i>	651	GGGCGCCCCGCGCACCCCTCCCGCGCCCCACCCCGGGCTCGGGACTTCGGTCAAGTCACTGG						715
<i>Papio hamadryas ADIJ</i>	649	GGGCGCCCCGCGCACCCCTCCCGCGCCCCACCCCGGGCTCGGGACTTCGGTCAAGTCACTGG						713
		720	730	740	750	760	770	780
<i>Homo sapiens ADIJ</i>	713	GCGCCCGCGCTCCCTCCCGAGCCGAGCCTCCGCGGGGGAGCAGGAGTCGGCAGCAGCGGCGCG						777
<i>Pan troglodytes ADIJ</i>	716	GCGCCCGCGCTCCCTCCCGAGCCGAGCCTCCGCGGGGGAGCAGGAGTCGGCAGCAGCGGTCGG						780
<i>Papio hamadryas ADIJ</i>	714	GCGCCCGCGCTCCCTCCCGAGCCGAGCCTCCGCGGGGGAGCAGGAGTCGGCAGCAGCGGCGCG						778

		790	800	810	820	830	840	
<i>Homo sapiens ADIJ</i>	778	CGCA	CGCA	CGCC	CAGGG	GAGTT	TGGGG	TTCGC
<i>Pan troglodytes ADIJ</i>	781	CGCA	CGCA	CGCC	CAGGG	GAGTT	TGGGG	TTCGC
<i>Papio hamadryas ADIJ</i>	779	CGCA	CGCA	CGCC	CAGGG	GAGTT	TGGGG	TTCGC
								842
								845
								843
		850	860	870	880	890	900	910
<i>Homo sapiens ADIJ</i>	843	CCAAC	CTTCAA	AATTC	TGTCCA	AAAAG	CAGACA	AAGAG
<i>Pan troglodytes ADIJ</i>	846	CCAAC	CTTCAA	AATTC	TGTCCA	AAAAG	CAGACA	AAGAG
<i>Papio hamadryas ADIJ</i>	844	CCAAC	CTTCAA	AATTC	TGTCCA	AAAAG	CAGACA	AAGAG
								907
								910
								908
		920	930	940	950			
<i>Homo sapiens ADIJ</i>	908	CAGC	AGGAG	GCCT	GATCG	CCG	CGGG	CGCT
<i>Pan troglodytes ADIJ</i>	911	CAGC	AGGAG	GCCT	GATCG	CCG	CGGG	CGCT
<i>Papio hamadryas ADIJ</i>	909	CAGC	AGGAG	GCCT	GATCG	CCG	CGGG	CGCT
								950 (-1 bp)
								953 (-1 bp)
								951 (-1 bp)



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      10      20      30      40      50      60
Homo sapiens ADIK      1  CCCGCACCTCCCACTCTGGGCACCAGGGGTGCTCCGCCTCTGGCCGCTTATAGTGGCTCCCGCC 65
Pan troglodytes ADIK  1  CCCGCACCTCCCACTCTGGGCACCAGGGGTGCTCCGCCTCTGGCCGCTTATAGTGGCTCCCGCC 65
Gorilla gorilla ADIK  1  CCCGCACCTCCCACTCTGGGCACCAGGGGTGCTCCGCCTCTGGCCGCTTATAGTGGCTCCCGCC 65
Papio hamadryas ADIK  1  CCCGCGCTTCCCACTCTGGGCACCAGGGGTGCTCCGCCTCTGGCCGCTTATAGTGGCTCCCGCC 65
Callithrix jacchus ADIK 1  CCCGCGCTTCCCACTCTGGGCACCAGGGGTGCTCCGCCTCACTCGCTTATAGTGGCTCTCGCC 65

      70      80      90      100     110     120     130
Homo sapiens ADIK      66  GCGCGGCGCTCATACCAACCCG-----CGCCCGGAGGGAGGGGAGGAAGGTTAGGGAGGCGGA 124
Pan troglodytes ADIK  66  GCGCGGCGCTCATACCAACCCG-----CGCCCGGAGGGAGGGGAGGAAGGTTAGGGAGGCGGA 124
Gorilla gorilla ADIK  66  GCGCGGCGCTCATACCAACCCG-----CGCCCGGAGGGAGGGGAGGAAGGTTAGGGAGGCGGA 124
Papio hamadryas ADIK  66  CCTCGGCGCTCACACCAACCCGCATCGCCGCGCCGGAGGGAGGGGAGGAAGGTTAGGGACGCGGA 130
Callithrix jacchus ADIK 66  TCGCGGCGACTCACACTACCCGCATCGCCGCGCCGGAGGGAGGGGAGGAAGGTTAGGGACGCGGA 130

      140     150     160     170     180     190
Homo sapiens ADIK      125  GAGGGACCGCGCCCGCAGGAGAGAGGCGCGGGCCAGGGCTCTAGCAGGGAAGTGGGCGCGCGGCAG 189
Pan troglodytes ADIK  125  GAGGGACCGCGCCCGCAGGAGAGAGGCGCGGGCCAGGGCTCTAGCAGGGAAGTGGGCGCGCGGCAG 189
Gorilla gorilla ADIK  125  GAGGGACCGCGCCCGCAGGAGAGAGGCGCGGGCCAGGGCTCTAGCAGGGAAGTGGGCGCGCGGCAG 189
Papio hamadryas ADIK  131  GACCGACCGCGCTCGCAGGAGAGAGGCGCGGGCCAGGGCTCTAGCGGGGCTGGGCGCGCGGCAG 195
Callithrix jacchus ADIK 131  GA-----GGAGAGAGGCAAGGGCCAGGGCTCTAGCAGGGAAGTGGGACCGCGGCAG 180

      200     210     220     230     240     250     260
Homo sapiens ADIK      190  GGGTAGCAAGGTGAGTCGGTGCTTGCCAAAGAGGCAGAGCGCAAACCTACTAGGAGATCGCGCC 254
Pan troglodytes ADIK  190  GGGTAGCAAGGTGAGTCGGTGCTTGCCAAAGAGGCAGAGCGCAAACCTACTAGGAGATCGCGCC 254
Gorilla gorilla ADIK  190  GGGTAGCAAGGTGAGTCGGTGCTTGCCAAAGAGGCAGAGCGCAAACCTACTAGGAGATCGCGCC 254
Papio hamadryas ADIK  196  GGGTAGCAAGGTGAGTCGGTGCTTGCCAAAGAGGCAGAGCGCAAACCTACTAGGAGATCGCGCC 260
Callithrix jacchus ADIK 181  GGGTAGCAAGGTGAGTCGGTGCTTGCCCTGAGGCAGAGCGCAAACCTACTAGGAGATCGTGCAC 245

      270     280     290     300     310     320
Homo sapiens ADIK      255  G-GTGAGCAGCACCCGACAGCTCAGAGCCGGGACGTCCGGAGCGCGGGAGCAGTCCCCTCTCCA 318
Pan troglodytes ADIK  255  G-GTGAGCAGCACCCGACAGCTCAGAGCCGGGACGTCCGGAGCGCGGGAGCAGTCCCCTCTCCA 318
Gorilla gorilla ADIK  255  G-GTGAGCAGCACCCGACAGCTCAGAGCCGGGACGTCCGGAGCGCGGGAGCAGTCCCCTCTCCA 318
Papio hamadryas ADIK  261  G-GTGAGCAGCACCCGACAGCTCAGAGCCGGGACGTCCGGAGCGCGGGAGCAGTCCCCTCTCCA 324
Callithrix jacchus ADIK 246  GGTGAGCAGCACCCGACAGCTCAGAGCCGGGACGTCCGGAGCGCGGGAGTAGTCCCGGCTCCA 310

      330     340     350     360     370     380     390
Homo sapiens ADIK      319  TCAGGGAGTGGTCTATCTGGGCAGTCTGGGACCCAGGCACCGCCCATCCCTGAGAGAGCAGCGG 383
Pan troglodytes ADIK  319  TCAGGGAGTGGTCTATCTGGGCAGTCTGGGACCCAGGCACCGCCCATCCCTGAGAGAGCAGCGG 383
Gorilla gorilla ADIK  319  TCAGGGAGTGGTCTATCTGGGCAGTCTGGGACCCAGGCACCGCCCATCCCTGAGAGAGCAGCGG 383
Papio hamadryas ADIK  325  GCGGGGAGCGGTCTATCTGAGCAGCTGGGACCCAGGCACCGCCCATCCCTGAGAAAGCAGCGG 389
Callithrix jacchus ADIK 311  GC AAGAGCGGTCTGCTGGGCAGCTGGGACCCAGGCACCGC--CATCCCTGAGAAAGCGGCAG 373

      400     410     420     430     440     450
Homo sapiens ADIK      384  TCTGGAGAGCAGGCATCTCAGATCCCTAAGAAACCAGCCGTCGAGAAGCCGCGGATCTCAGGTG 448
Pan troglodytes ADIK  384  TCTGGAGAGCAGGCATCTCAGATCCCTAAGAAACCAGCCGTCGAGAAGCCGCGGATCTCAGGTG 448
Gorilla gorilla ADIK  384  TCTGGAGAGCAGGCATCTCAGATCCCTAAGAAACCAGCCGTCGAGAAGCCGCGGATCTCAGGTG 448
Papio hamadryas ADIK  390  TCTGGAGAGCAGGCATCTCAGATCTGTAAGAAACCAGCCGTCGAGAAGCCGCGGATCTCAGGTG 454
Callithrix jacchus ADIK 374  TCTGGAGAGCAGGCATCTCAGATCTGTAAGAAACCAGTCGTCGAGAAGCCGCGGATCTCAGGTG 438

      460     470     480     490     500     510     520
Homo sapiens ADIK      449  CCCAGGATCGTTAGGACTGAAAGGGAGGGTACTAGAGGACCACTGGCTCTGGACCGTCGGGAGCT 513
Pan troglodytes ADIK  449  CCCAGGATCGTTAGGACTGAAAGGGAGGGTACTAGAGGACCACTGGCTCTGGACCGTCGGGAGCT 513
Gorilla gorilla ADIK  449  CCCAGGATCGTTAGGACTGAAAGGGAGGGTACTAGAGGACCACTGGCTCTGGACCGTCGGGAGCT 513
Papio hamadryas ADIK  455  CCCAGGATCGTTAGGACTGAAAGGGAGGGTACTAGAGGACCACTGGCTCTGGATCGTCAGGAGCT 519
Callithrix jacchus ADIK 439  CCCAGGATC--TAGGACTGAAAGGGAGGGTACTAGAGGACCACTGGATCTGGACCGTCGGGAGCT 502

      530     540     550     560     570     580
Homo sapiens ADIK      514  C-CCCCTGACGTAACCACGAGG-GGCCCTCCCCTTGACGGACGGCTT-----GGGAGCGGCACC 571
Pan troglodytes ADIK  514  C-CCCCTGACGTAACCACGAGG-GGCCCTCCCCTTGACGGACGGCTT-----GGGAGCGGCACC 571
Gorilla gorilla ADIK  514  C-CCCCTGACGTAACCACGAGG-GGCCCTCCCCTTGACGGACGGCTT-----GGGAGCGGCACC 571
Papio hamadryas ADIK  520  C-CCCCTGACGTAACCACGAGG-GGCCCTCCCCTTGACGGACGGCTT-----GGGAGCGGCACC 577
Callithrix jacchus ADIK 503  ATCCCCTGACGTAGCCACGGGGGGCCCTCCCCTCGACTGACGGCTCGGCTCGGGAGCGGCATC 567
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		590	600	610	620	630	640	650	
<i>Homo sapiens ADIK</i>	572	GCCGCGGCTGGAGCCCGCAGAGGCAAGGTAAGGGGAGCGGGGGGCAGCCGTCGGGGGAGTGCAGA							636
<i>Pan troglodytes ADIK</i>	572	GCCGCGGCTGGAGCCCGCAGAGGCAAGGTAAGGGGAGCGGGGGGCAGCCGTCGGGGGAGTGCAGA							636
<i>Gorilla gorilla ADIK</i>	572	GCCGCGGCTGGAGCCCGCAGAGGCAAGGTAAGGGGAGCGGGGGGCAGCCGTCGGGGGAGTGCAGA							635
<i>Papio hamadryas ADIK</i>	578	GCCGCGGCGGGGACCCGTAGAGGCAAGGTAAGGGGAGTGGGGGCAGCCGTCGGGGGAGTGCAGA							642
<i>Callithrix jacchus ADIK</i>	568	GCAAGCGGCGAGG--CCGCAGAGGTAGAGTAGGGGAGCGGG--GGCAGCCGTCGGGGGAGTGCAGA							629

		660	670	680	690	700	710	
<i>Homo sapiens ADIK</i>	637	CCCAGGCCAAGGCGGGTCACCGCCTCCTG-GCCCGCGGAGAGCCCG-GCCCCGGCAGCCATTG						699
<i>Pan troglodytes ADIK</i>	637	CCCAGGCCAAGGCGGGTCACCGCCTCCTG-GCCCGCGGAGAGCCCG-GCCCCGGCAGCCATTG						699
<i>Gorilla gorilla ADIK</i>	636	CCCAGGCCAAGGCGGGTCACCGCCTCCTG-GCCCGCGGAGAGCCCG-GCCCCGGCAGCCATTG						698
<i>Papio hamadryas ADIK</i>	643	CCCAGGCCAAGGCGGGTCACCGCCTCCTGGGCCCGGAGAGTCCCGGCCCCGGCAGCCATTG						707
<i>Callithrix jacchus ADIK</i>	630	CCGCTGCCAAGGCGGGTCACCGCCTCCTGGGCCCGGAGAGCCCGGCCCCGGCAGCCATTG						694

		720	730	740	750	760	770	780	
<i>Homo sapiens ADIK</i>	700	CGCCCAAGAGTGAGGAAGATTTGCTGGCCCTGGCAAGCGTCGCGGCTGAGCCGCCGCAAGAGGGTG							764
<i>Pan troglodytes ADIK</i>	700	CGCCCAAGAGTGAGGAAGATTTGCTGGCCCTGGCAAGCGTCGCGGCTGAGCCGCCGCAAGAGGGTG							764
<i>Gorilla gorilla ADIK</i>	699	CGCCCAAGAGTGAGGAAGATTTGCTGGCCCTGGCAAGCGTCGCGGCTGAGCCGCCGCAAGAGGGTG							763
<i>Papio hamadryas ADIK</i>	708	CGCCCAAGAGTGAGGAAGATTTGCTGGCCCTGGCAAGCGTCGCGGCTGAGCCGCCGCAAGAGGGTG							772
<i>Callithrix jacchus ADIK</i>	695	CGCCCAAGAGTGAGGAAGATTTGCTGGCCCTGGCAAGCGTCGCGGCTGAGCCGCCGCAAGAGGGTG							759

		790	800	
<i>Homo sapiens ADIK</i>	765	GCGGGCGCGGCCGTCCGAGTGGCC	788	(-1 bp)
<i>Pan troglodytes ADIK</i>	765	GCGGGCGCGGCCGTCCGAGTGGCC	788	(-1 bp)
<i>Gorilla gorilla ADIK</i>	764	GCGGGCGCGGCCGTCCGAGTGGCC	787	(-1 bp)
<i>Papio hamadryas ADIK</i>	773	GCGGGTCCGGCCGTCCGGGTGGCC	796	(-1 bp)
<i>Callithrix jacchus ADIK</i>	760	GCGGGCGCGGCCGTCCGGGTGGCC	783	(-1 bp)

J

		10	20	30	40	50	60	
<i>Homo sapiens ADIM</i>	1	CCGTTTCTATTTTAAATCAAGAAATATGTCAAAA	GAAAGAGGAGCCAGAGACAGCCTTCTCTTAACA	65				
<i>Pan troglodytes ADIM</i>	1	CCGTTTCTATTTTAAATCAAGAAATATGTCAAAA	GAAAGAGGAGCCAGAGACAGCCTTCTCTTAACA	65				
<i>Pongo abelii ADIM</i>	1	CCATTTCATTTTAAATCAAGCAATATGTCAAAA	GAAAGAGGAGCTGGAGACAGCCTTCTCTTAACA	65				
<i>Nomascus leucogenys ADIM</i>	1	CCGTTTCTATTTTAAATCAAGAAATATGTCAAAA	GAAAGAGGAGCCAGAGACAGCCTTCTCTTAACA	65				
<i>Papio hamadryas ADIM</i>	1	CCGTTTCTATTTTAAATCAAGAAATATGTCAAAA	GAAAGAGGAGCCAGAGACAGCCTTCTCTTAACA	65				
<i>Callithrix jacchus ADIM</i>	1	CCATTTCTATTTTAAATCAAGAAATATGTCAAAAT	GAAAGAGTAGCCAGAGATAGATAGCCTTCTTT	64				
		70	80	90	100	110	120	130
<i>Homo sapiens ADIM</i>	66	CAAAGCAGGGTGTTCATCTTCATCTGACAATAAGTGACTT	AGTTAACTTTGATTTAATTTTGGC	130				
<i>Pan troglodytes ADIM</i>	66	CAAAGCAGGGTGTTCATCTTCATCTGACAATAAGTGACTT	AGTTAACTTTGATTTAATTTTGGC	130				
<i>Pongo abelii ADIM</i>	66	CAAAGCAGGGTGTTCATCTTCATCTGACAATAAGTGACTT	AGTTAACTTTGATTTAATTTTGGC	130				
<i>Nomascus leucogenys ADIM</i>	66	CAAAGCAGGGTGTTCATCTTCATCTGACAATAAGTGACTT	AGTTAACTTTGATTTAATTTTGGC	130				
<i>Papio hamadryas ADIM</i>	66	CAAAGCAGGGTGTTCATCTTCATCTGACAATAAGTGACTT	AGTTAACTTTGATTTAATTTTGGC	130				
<i>Callithrix jacchus ADIM</i>	65	TACAGCAGGGTGTTCATCTTCATCTACAGTAGCTGACTT	AGTTAACTTTGATTTAATTTTGGC	129				
		140	150	160	170	180	190	
<i>Homo sapiens ADIM</i>	131	TTTGGGAAGTCATGGGAAAAGAAGTAAAGCTGAGG	GATGGGAAATACCTTTGCTAAACCCAGA	195				
<i>Pan troglodytes ADIM</i>	131	TTTGGGAAGTCATGGGAAAAGAAGTAAAGCTGAGG	GATGGGAAATACCTTTGCTAAACCCAGA	195				
<i>Pongo abelii ADIM</i>	131	TTTGGGAAGTCATGGGAAAAGAAGTAAAGCTGAGG	GATGGGAAATACCTTTGCTAAACCCAGA	195				
<i>Nomascus leucogenys ADIM</i>	131	TTTGGGAAGTCATGGGAAAAGAAGTAAAGCTGAGG	GATGGGAAATACCTTTGCTAAACCCAGA	195				
<i>Papio hamadryas ADIM</i>	131	TTTGGGAAGTCATGGGAAAAGAAGTAAAGCTGAGG	GATGGGAAATACCTTTGCTAAACCCAGA	195				
<i>Callithrix jacchus ADIM</i>	130	TTTGGGAAGCCAGGGAAAAGAAGTAAAGCTGAGG	GATGGGAAATATGTTTGGCTAAACCCAGA	194				
		200	210	220	230	240	250	260
<i>Homo sapiens ADIM</i>	196	GACACTGCACCTGAATCCCTGCTCAGTGT	TTTGTAGGCAACCAACTGCCTTCTGCCACTGGTATCC	260				
<i>Pan troglodytes ADIM</i>	196	GACACTGCACCTGAATCCCTGCTCAGTGT	TTTGTAGGCAACCAACTGCCTTCTGCCACTGGTATCC	260				
<i>Pongo abelii ADIM</i>	196	GACACTGCACCTGAATCCCTGCTCAGTGT	TTTGTAGGCAACCAACTGCCTTCTGCCACTGGTATCT	260				
<i>Nomascus leucogenys ADIM</i>	196	GACACTGCACCTGAATCCCTGCTCAGTGT	TTTGTAGGCAACCAACTGCCTTCTGCCACTGGTATCC	260				
<i>Papio hamadryas ADIM</i>	196	GACACTGCACCTGAATCCCTGCTCAGTGT	TTTGTAGGCAACCAACTGCCTTCTGCCACTGGTATCC	260				
<i>Callithrix jacchus ADIM</i>	195	AACACTGCACCTGAATCCCTGCTCAGTGT	TTTGTAGGCAACCAACTGCCTTCTGCCACTGGTATCC	259				
		270	280	290	300	310	320	
<i>Homo sapiens ADIM</i>	261	GGAAGGGGAAATGAGTTACTCTTAAGTGGGCCAAAGTGGGGAAA	TACTAACAGTACACTAGAAAC	325				
<i>Pan troglodytes ADIM</i>	261	GGAAGGGGAAATGAGTTACTCTTAAGTGGGCCAAAGTGGGGAAA	TACTAACAGTACACTAGAAAC	325				
<i>Pongo abelii ADIM</i>	261	GGAAGGGGAAATGAGTTACTCTTAAGTGGGCCAAAGTGGGGAAA	TACTAACAGTACACTAGAAAG	325				
<i>Nomascus leucogenys ADIM</i>	261	GGAAGGGGAAATGAGTTACTCTTAAGTGGGCCAAAGTGGGGAAA	TACTAACAGTACACTAGAAAG	325				
<i>Papio hamadryas ADIM</i>	261	GGAAGGGGAAATGAGTTACTCTTAAGTGGGCCAAAGTGGGGAAA	TACTAACAGTACACTAGAAAG	325				
<i>Callithrix jacchus ADIM</i>	260	GGAAGGGGAAATGAGTTACTCTTAAGTGGGCCAAAGTGGGGAACT	TACTAACAGTACACTAGATAG	324				
		330	340	350	360	370	380	390
<i>Homo sapiens ADIM</i>	326	CAAGAGCTGTCTGTGAAAGCCCTGAATGGGTTCCCACTGCT	TATTTTCAGACAAAACCTGATGCAGTTA	390				
<i>Pan troglodytes ADIM</i>	326	CAAGAGCTGTCTGTGAAAGCCCTGAATGGGTTCCCACTGCT	TATTTTCAGACAAAACCTGATGCAGTTA	390				
<i>Pongo abelii ADIM</i>	326	CAAGAGCTGTCTGTGAAAGCCCTGAATGGGTTCCCACTGCT	TATTTTCAGACAAAACCTGATGCAGTTA	390				
<i>Nomascus leucogenys ADIM</i>	326	CAAGAGCTGTCTGTGAAAGCCCTGAATGGGTTCCCACTGCT	TATTTTCAGACAAAACCTGATGCAGTTA	390				
<i>Papio hamadryas ADIM</i>	326	CAAGAGCTGTCTGTGAAAGCCCTGAATGGGTTCCCACTGCT	TATTTTCAGACAAAACCTGATGCAGTTA	390				
<i>Callithrix jacchus ADIM</i>	325	CAAGAGCTGTCTGTGAAAGCCCTGAATGGGTTCCCACTGCT	TATTTTCAGACAAAACCTGATGCAGTTA	389				
		400	410	420	430	440	450	
<i>Homo sapiens ADIM</i>	391	AGCCTGAATTTCCCTGGCAAGCAACAAGGGTAGATTTTTTCCAAAAGGCTTTTT	TAGACTGCAAATACA	455				
<i>Pan troglodytes ADIM</i>	391	AGCCTGAATTTCCCTGGCAAGCAACAAGGGTAGATTTTTTCCAAAAGGCTTTTT	TAGACTGCAAATACA	455				
<i>Pongo abelii ADIM</i>	391	AGCCTGAATTTCCCTGGCAAGCAACAAGGGTAGATTTTTTCCAAAAGGCTTTTT	TAGACTGCAAATACA	455				
<i>Nomascus leucogenys ADIM</i>	391	AGCCTGAATTTCCCTGGCAAGCAACAAGGGTAGATTTTTTCCAAAAGGCTTTTT	TAGACTGCAAATACA	455				
<i>Papio hamadryas ADIM</i>	391	AGCCTGAATTTCCCTGGCAAGCAACAAGGGTAGATTTTTTCCAAAAGGCTTTTT	TAGACTGCAAATACA	455				
<i>Callithrix jacchus ADIM</i>	390	AGCCTGAATTTCCCTGGCAAGCAACAAGGGTAGATTTTTTCCAAAAGGCTTTTT	TAGACTGCAAATACA	454				
		460	470	480	490			
<i>Homo sapiens ADIM</i>	456	CAGCCTTTCCATGTCTAATCACAAAAGCAAACCTGCTGGACAC	497 (-1 bp)					
<i>Pan troglodytes ADIM</i>	456	CAGCCTTTCCATGTCTAATCACAAAAGCAAACCTGCTGGACAC	497 (-1 bp)					
<i>Pongo abelii ADIM</i>	456	CAGCCTTTCCATGTCTAATCACAAAAGCAAACCTGCTGGACAC	497 (-132 bp)					
<i>Nomascus leucogenys ADIM</i>	456	CAGCCTTTCCATGTCTAATCACAAAAGCAAACCTGCTGGACAC	497 (-1 bp)					
<i>Papio hamadryas ADIM</i>	456	CAGCCTTTCCATGTCTAATCACAAAAGCAAACCTGCTGGACAC	497 (-1 bp)					
<i>Callithrix jacchus ADIM</i>	455	CAGCCTTTCCATGTCTAATCACAAAAGCAAACCTGCTGGACAC	496 (-28 bp)					

K

		10	20	30	40	50	60	
<i>Homo sapiens ADIO</i>	1	AGAGTGTAGCAGCCCCTGAGCCTCGGCCTTGGCCTCACCCTGGGCCAGGACCGTCCGTGCCCA	65					
<i>Pan troglodytes ADIO</i>	1	AGAGTGTAGCAGCCCCTGAGCCTCGGCCTTGGCCTCACCCTGGGCCAGGACCGTCCGTGCCCA	65					
<i>Macaca mulatta ADIO</i>	1	AGAGTGCAGCAGCCCCTGAGCCTCGGCCTTGGCCTCACCCTGGGCCAGGACCGTCCAGTCCA	65					
		70	80	90	100	110	120	130
<i>Homo sapiens ADIO</i>	66	GGCAGAAGCTCCGCCTCCACTGGCTGTATTCCCAACGGGGCAGGG-----CCGGGCTGCCGTA	125					
<i>Pan troglodytes ADIO</i>	66	GGCAGAAGCTCCGCCTCCACTGGCTGTATTCCCAACGGGGCAGGG-----CCGGGCTGCTGTA	125					
<i>Macaca mulatta ADIO</i>	66	GGCAGAAGCTCCGCCTCCACAGCTGTATTCCCAATAGGGGCAGGGTGGGGCTGGGCCGCCGTA	130					
		140	150	160	170	180	190	
<i>Homo sapiens ADIO</i>	126	GGGTCTGGGGGCTCCAGCTGGGGCACCTCCTTCTCAGTCCCTCCCCTCTTTCCTCTCCCCAGCC	190					
<i>Pan troglodytes ADIO</i>	126	GGGTCTGGGGGCTCCAGCTGGGGCACCTCCTTCTCAGTCCCTCCCCTCTTTCCTCTCCCCAGCC	190					
<i>Macaca mulatta ADIO</i>	131	GGGTCTGGGGGCTCCAGCTGGGGGCCTCCTTCTAAGTCCCTCCCCTCTTTCCTCTCCCCAGCC	195					
		200						
<i>Homo sapiens ADIO</i>	191	CTGGCCAAG	199 (-1 bp)					
<i>Pan troglodytes ADIO</i>	191	CTGGCCAAG	199 (-1 bp)					
<i>Macaca mulatta ADIO</i>	196	CTGGCCGAG	204 (-1 bp)					

L

		10	20	30	40	50	60	
<i>Homo sapiens ADIQ</i>	1	TAAGCACTTTAGCTCAGGGTGGACTCAGGGCTGCCTCCCCCTCCTGAGCAACCTAGGGGCTCCT	65					
<i>Pan troglodytes ADIQ</i>	1	TAAGCGCTTTAGCTCAGGGTGGACTCAGGGCTGCCTCCCCCTCCTGAGCAACCTAGGGGCTCCT	65					
<i>Pongo abelii ADIQ</i>	1	TAAGCACTTTAGCTCAGGGTGGACTCAGGGCTGCCTCCCCCTCCTGAGCAACCTAGGGGCTCCT	65					
<i>Nomascus leucogenys ADIQ</i>	1	TAAGCACTTTAGCTCAGGGTGGACTCAGGGCTGCCTCCCCCTCCTGAGCAACCTAGGGGCTCCT	65					
<i>Macaca mulatta ADIQ</i>	1	TCAGCACTTTAGCTCAGGGTGGACTCAGGGCTGCCTCCCCCTCCTGAGCAACCTAGGGGCTCCT	65					

		70	80	90	100	110	120	130
<i>Homo sapiens ADIQ</i>	66	GTGCCCCATGCCTGTGTCCAATTCCCAATCATCAGGGGGCCTCAGACTCCTGCCTGCTCTGACTT	130					
<i>Pan troglodytes ADIQ</i>	66	GTGCCCCATTCCGTGTCCAATTCCCAATCATCAGGGGGCCTCAGACTCCTGCCTGCTCTGACTT	130					
<i>Pongo abelii ADIQ</i>	66	GTGCCCCATGCCTGTGTCCAATTCCCAATCATCAGGGGGCCTCAGACTCCTGCCTGCTCTGACTT	130					
<i>Nomascus leucogenys ADIQ</i>	66	GTGCCCCATCCCTGTGTCCAATTCCCAATCATCAGGGGGCCTCAGACTCCTGCCTGCTCTGACTT	130					
<i>Macaca mulatta ADIQ</i>	66	CTGCCCCATCTGTGTCCAATTCCCAATCATCAGGGAGCCTCAGACTCCTGCCTGCTCTGACTT	130					

		140	150	160	170	180	190	
<i>Homo sapiens ADIQ</i>	131	TCTAGGCCTTTGAATCAAGCAAGACCCCACTGGATCACCAAAGAGTTAAGCAAAGGAAATCCCTG	195					
<i>Pan troglodytes ADIQ</i>	131	TCTAGGCCTTTCAATCAAACAAGACCCCACTGGATCACCAAAGAGTTAAGCAAAGGAAATCCCTG	195					
<i>Pongo abelii ADIQ</i>	131	TCTAGGCCTTTGAATCAAACAAGACCCCACTGGATCACCAAAGAGTTAAGCAAAGGAAATCCCTG	195					
<i>Nomascus leucogenys ADIQ</i>	131	TCTAGGCCTTTGAATCAAGCAAGACCCCACTGGATCACCAAAGAGTTAAGCAAAGGAAATCCCTG	195					
<i>Macaca mulatta ADIQ</i>	131	TCTAGGCCTTTGAATCAAACAAGACCCCACTGGATCACCAAAGAGTTAAGCAAAGGAAAGCTCTG	195					

		200	210	220	230	240	250	260
<i>Homo sapiens ADIQ</i>	196	CCTCCCTTTATCTCCGAGAACCCAGAGGCTGAAAGGGAGGGAGCAGGGAGGAGGGGAAGTGGGA	260					
<i>Pan troglodytes ADIQ</i>	196	CCTCCCTTTATCTCCGAGAACCCAGAGGCTGAAAGGGAGGGAGCAGGGAGGAGGGGAAGTGGGA	260					
<i>Pongo abelii ADIQ</i>	196	CCTCCCTTTATCTCCGAGAACCCAGAGGCTGAAAGGGAGGGAGCAGGGAGGAGGGGAAGTGGGA	260					
<i>Nomascus leucogenys ADIQ</i>	196	CCTCCCTTTATCTCCGAGAACCCAGAGGCTGAAAGGGAGGGAGCAGGGAGGAGGGGAAGTGGGA	260					
<i>Macaca mulatta ADIQ</i>	196	CCTCCCTTTATCTCCGAGAACCCAGAGGCTGAAAGGGAGGGAGCAGGGAGGAGGGGAAGTGGGA	260					

		270	280	290	300	310	320	
<i>Homo sapiens ADIQ</i>	261	AGCGGCTCTGCCCTCTCCCTCCGCCCTCCCTCCGCCCTCTCTCCCTCCATCCCCTCTCTCTCCC	325					
<i>Pan troglodytes ADIQ</i>	261	AGCGGCTCTGCCCTCTCCCTCCGCCCTCCCTCCGCCCTCTCTCCCTCCATCCCCTCTCTCTCCC	325					
<i>Pongo abelii ADIQ</i>	261	AGCGGCTCTGCCCTCTCCCTCCGCCCTCCCTCCGCCCTCTCTCCCTCCATCCCCTCTCTCTCCC	325					
<i>Nomascus leucogenys ADIQ</i>	261	AGCGGCTCTGCCCTCTCCCTCCGCCCTCCCTCCGCCCTCTCTCCCTCCATCCCCTCTCTCTCCC	325					
<i>Macaca mulatta ADIQ</i>	261	AGCGGCTCTGCCCTCTCCCTCCGCCCTCCCTCCGCCCTCTCTCCCTCCATCCCCTCTCTCTCCC	325					

		330	340	350	360	370	380	390
<i>Homo sapiens ADIQ</i>	326	TCCTCTGCTGGGCCTGGGGGTCTGGGCCAGCAACAAGTTAGTATTGCAGACATGGGCCAAGGAGC	390					
<i>Pan troglodytes ADIQ</i>	326	TCCTCTGCTGGGCCTGGGGGTCTGGGCCAGCAACAAGTTAGTATTGCAGACATGGGCCAAGGAGC	390					
<i>Pongo abelii ADIQ</i>	326	TCCTCTGCTGGGCCTGGGGGTCTGGGCCAGCAACAAGTTAGTATTGCAGACATGGGCCAAGGAGC	390					
<i>Nomascus leucogenys ADIQ</i>	326	TCCTCTGCTGGGCCTGGGGGTCTGGGCCAGCAACAAGTTAGTATTGCAGACATGGGCCAAGGAGC	390					
<i>Macaca mulatta ADIQ</i>	326	TCCTCTGCTGGGCCTGGGGGTCTGGGCCAGCAACA-----TAGTATTGCAGACATGGGCCAAGGAGC	386					

<i>Homo sapiens ADIQ</i>	391	CAGAGGCC	398	(-1 bp)
<i>Pan troglodytes ADIQ</i>	391	CAGAGGCC	398	(-1 bp)
<i>Pongo abelii ADIQ</i>	391	CAGAGGCC	398	(-1 bp)
<i>Nomascus leucogenys ADIQ</i>	391	CAGAGGCC	398	(-1 bp)
<i>Macaca mulatta ADIQ</i>	387	CAGAGGCC	394	(-1 bp)

M

		10	20	30	40	50	60	
<i>Homo sapiens ADIR</i>	1	AGAGTA-TG	TAAAAACCTATT	ACCAGAAAAATCTAGAAA	AGTATAATCTAGCTATA	---	TATTGC	61
<i>Pan troglodytes ADIR</i>	1	AGAGTA-TG	TAAAAACCTATT	ACCAGAAAAATCTAGAAA	AGTATAATCTAGCTATA	---	TATTGC	61
<i>Pongo abelii ADIR</i>	1	AGAGTATTG	TAAAAACCTAGT	GCCAGAAAAATCTAGAAA	AGTATAATCTAGCTATA	---	TATTGC	62
<i>Nomascus leucogenys ADIR</i>	1	AGGGTATTG	TAAAAACCTATT	TGTCAGAAAAATCTAGAAA	AGTATAATCTAGCTATA	---	TATTGC	62
<i>Macaca mulatta ADIR</i>	1	AGAGTATTG	TAAAAACCTATT	TGCCAGAAAAATCTAGAAA	AGTATAATCTAGCTATA	---	TATTGC	62
<i>Papio hamadryas ADIR</i>	1	AGAGTATTG	TAAAAACCTATT	TGCCAGAAAAATCTAGAAA	AGTATAATCTAGCTATA	---	TATTGC	62
<i>Callithrix jacchus ADIR</i>	1	AGAGTATTATA	AAAAACCTATT	TGCCAGAAAAATCTAGAAA	AGTATAATCTAGCTATA	---	TATTGC	62
<i>Tarsius syrichta ADIR</i>	1	ATAGTATTATA	AAAAACCIATTA	CTAAAAAATCTAGAAA	AGTATAATCTAGCTATA	CTTT	TATTGC	65
<i>Otolemur garnettii ADIR</i>	1	ATAGTATTATA	AAAAACCCGAT	TGCCAGAAAAATCTAGAAA	AGTATAATCTAGCTATA	CTTT	ACGGTATTGC	65

		70	80	90	100	110	120	130	
<i>Homo sapiens ADIR</i>	62	TTTIGTTTTG	GAAATTTACTATA	AAAAATGTA	TCTTTGCTG	---	TTTCAGTAGCCG	ACTAATGTTAAA	124
<i>Pan troglodytes ADIR</i>	62	TTTIGTTTTG	GAAATTTACTATA	AAAAATGTA	TCTTTGCTG	---	TTTCAGTAGCCG	ACTAATGTTAAA	124
<i>Pongo abelii ADIR</i>	63	TTTIGTTTTG	GAAATTTACTATA	AAAAATGTA	TCTTTGCTG	---	TTTCAGTAGCCG	ACTAATGTTAAA	125
<i>Nomascus leucogenys ADIR</i>	63	TTTIGTTTTG	GAAATTTACTATA	AAAAATGTA	TCTTTGCTA	---	TTTCAGTAGCCA	ACTAATGTTAAA	125
<i>Macaca mulatta ADIR</i>	63	TTTIGTTTTG	GAAATTTACTG	AAAAATGTA	TCTTTGCTG	---	TTTCAGTAGCCG	ACTAATGTTAAA	125
<i>Papio hamadryas ADIR</i>	63	TTTIGTTTTG	GAAATTTACTG	AAAAATGTA	TCTTTGCTG	---	TTTCAGTAGCCG	ACTAATGTTAAA	125
<i>Callithrix jacchus ADIR</i>	63	TTTIGTTTTG	GAAATTTACTATA	AAAAATGTA	TCTTTGCTG	---	TTTCAGTAGCCG	ACTAATGTTAAA	125
<i>Tarsius syrichta ADIR</i>	66	TTT-GTTAT	GGAATTTACTATA	AAAAATGTA	TCTCTATCTG	---	TTTCAGTAGCCA	ACTAATGTTAAA	127
<i>Otolemur garnettii ADIR</i>	66	TTTIGTTTTG	GAAATTTACTATA	AAAAATGTA	TCTTTATCTGTG	---	TTTCAGTAGCCG	ACTAATGTTAAA	130

		140	150	160	170	180	190	
<i>Homo sapiens ADIR</i>	125	TATTGTGTTCA	AAGCTAACTGCT	TTCATTATGAGAA	ACTCACTGTTGCTA	ATAAAAACAGCAGGGTG		189
<i>Pan troglodytes ADIR</i>	125	TATTGTGTTCA	AAGCTAACTGCT	TTCATTATGAGAA	ACTCACTGTTGCTA	ATAAAAACAGCAGGGTG		189
<i>Pongo abelii ADIR</i>	126	TATTGTGTTCA	AAGCTAACTGCT	TTCATTATGAGAA	ACTCACTGTTGCTA	ATAAAAACAGCAGGGTG		190
<i>Nomascus leucogenys ADIR</i>	126	TATTGTGTTCA	AAGCTAACTGCT	TTCATTATGAGAA	ACTCACTGTTGCTA	ATAAAAACAGCAGGGTG		190
<i>Macaca mulatta ADIR</i>	126	TATTGTGTTCA	AAGCTAACTGCT	TTCATTATGAGAA	ACTCACTGTTGCTA	ATAAAAACAGCAGGGTG		190
<i>Papio hamadryas ADIR</i>	126	TATTGTGTTCA	AAGCTAACTGCT	TTCATTATGAGAA	ACTCACTGTTGCTA	ATAAAAACAGCAGGGTG		190
<i>Callithrix jacchus ADIR</i>	126	TATTGTGTTCA	AAGCTAACTGCT	TTCATTATGAGAA	ACTCACTGTTGCTA	ATAAAAACAGCAGGGTG		190
<i>Tarsius syrichta ADIR</i>	128	TATTGTGTTCA	AAGCTAACTGCT	TTCATTATGAGAA	ACTCACTGTTGCTA	ATAAAAACAGCAGGGTG		192
<i>Otolemur garnettii ADIR</i>	131	TATTGTGTTCA	AAGCTAACTA	TTCATTATGAGAA	ACTCACTGTTGCTA	ATAAAAACAGCAGGGTG		195

		200	210	220	230	240	250	260
<i>Homo sapiens ADIR</i>	190	GAGTGATTCTT	TCTCAGGTGAGCAG	CCCAGAAAAGAGACA	ACGAAACCTTTAACAGT	GGTGACTCTG		254
<i>Pan troglodytes ADIR</i>	190	GAGTGATTCTT	TCTCAGGTGAGCAG	CCCAGAAAAGAGACA	ACGAAACCTTTAACAGT	GGTGACTCTG		254
<i>Pongo abelii ADIR</i>	191	GAGTGATTCTT	TCTCAGGTGAGCAG	CCCAGAAAAGAGACA	ACGAAACCTTTAACAGT	GGTGACTCTG		255
<i>Nomascus leucogenys ADIR</i>	191	GAGTGATTCTT	TCTCAGGTGAGCAG	CCCAGAAAAGAGACA	ACGAAACCTTTAACAGT	GGTGACTCTG		255
<i>Macaca mulatta ADIR</i>	191	GAGTGATTCTT	TCTCAGGTGAGCAG	CCCAGAAAAGAGACA	ACGAAACCTTTAACAGT	GGTGACTCTG		255
<i>Papio hamadryas ADIR</i>	191	GAGTGATTCTT	TCTCAGGTGAGCAG	CCCAGAAAAGAGACA	ACGAAACCTTTAACAGT	GGTGACTCTG		255
<i>Callithrix jacchus ADIR</i>	191	GAGTGATTCTT	TCTCAGGTGAGCAG	CCCAGAAAAGAGACA	ACGAAACCTTTAACAGT	GGTGACTCTG		255
<i>Tarsius syrichta ADIR</i>	193	GAGTGATTCTT	TCTCAGGTGAGCAG	CCCAGAAAAGAGACA	ACGAAACCTTTAACAGT	GGTGACTCTG		257
<i>Otolemur garnettii ADIR</i>	196	GAGTGATTCTT	TCTCAGGTGAGCAG	CCCAGAAAAGAGACA	ACGAAACCTTTAACAGT	GGTGACTCTG		260

		270	280	
<i>Homo sapiens ADIR</i>	255	GACAAGGAGACT	CCCGTAGC	274 (-1 bp)
<i>Pan troglodytes ADIR</i>	255	GACAAGGAGACT	CCCGTAGC	274 (-1 bp)
<i>Pongo abelii ADIR</i>	256	GACAAGGAGACT	CCCGTAGC	275 (-1 bp)
<i>Nomascus leucogenys ADIR</i>	256	GACAAGGAGACT	CCCGTAGC	275 (-1 bp)
<i>Macaca mulatta ADIR</i>	256	GACAAGGAGACT	CCCGTAGC	275 (-1 bp)
<i>Papio hamadryas ADIR</i>	256	GACAAGGAGACT	CCCGTAGC	275 (-1 bp)
<i>Callithrix jacchus ADIR</i>	256	GACAAGGAGACT	CCCGTAGC	275 (-1 bp)
<i>Tarsius syrichta ADIR</i>	258	GACAAGGAGACT	CCCGCAGC	277 (-1 bp)
<i>Otolemur garnettii ADIR</i>	261	GACAAGGAGACT	CCCGTAGC	280 (-1 bp)