

	10	20	30	40	50	60	70	80	90	100	110	120	
Afghanistan	TAACTTGAAGCAGCTTCCTATTGAGTTATCTTCTCGATTAAATCATCAGTTGGCTTTCTTCACATTGTACTTGTGTGTTTCGACTTGGTACTGGATGCGAACTGAGTTGTACTTGCTG												120
Pakistan 1	TAACTTGAAGCAGCTTCCTATTGAAATTATCTTCTCGATTAAATCATCAGTTGGCTTTCTTCACATTGTACTTGTGTGTTTCGACTTGGTACTGGATGCGAACTGAGTTGTACTTGCTG												120
Pakistan 2	TAACTTGAAGCAGCTTCCTATTGAGTTATCTTCTCGATTAAATCATCAGTTGGCTTTCTTCACATTGTACTTGTGTGTTTCGACTTGGTACTGGATGCGAACTGAGTTGTACTTGCTG												120
Beech colony	TAACTTGAAGCAGCTTCCTATTGAAATTATCTTCTCGATTAAATCATCAGTTGGCTTTCTTCACATTGTACTTGTGTGTTTCGACTTGGTACTGGATGCGAACTGAGTTGTACTTGCTG												120

	130	140	150	160	170	180	190	200	210	220	230	240	
Afghanistan	CGGGGCAGAAATTGGGACCATCATTAGCGACCGGTCAGGCCATCAGC-----TTGGAGCTGGTCAACTTGGCGTGTCTTTCCAACGCAACGATTGCTTCA												217
Pakistan 1	CGGGGCAGAAATTGGGACCATCATTAGCGACCGGCGAGCCATCACAGGGCAGTTGAAGGAATCTAATGGTGTGGAGCTGGTCAGCTTTGGCGTGTCTTTCCAACGCAACGATTGCTTCA												240
Pakistan 2	CGGGGCAGAAATTGGGACCATCATTAGCGACCGGCGAGCCATCACAGGGCAGTTGAAGGAATCTAATGGTGTGGAGCTGGTCAGCTTTGGCGTGTCTTTCCAACGCAACGATTGCTTCA												240
Beech colony	CGGGGCAGAAATTGGGACCATCATTAGCGACCGGCGAGCCATCACAGGGCAGTTGAAGGAATCTAATGGTGTGGAGCTGGTCAGCTTTGGCGTGTCTTTCCAACGCAACGATTGCTTCA												240

	250	260	270	280	290	300	310	320	330	340	350	360	
Afghanistan	AAATGTCTAACTTGGTTCTGTACACGCTTGAACCCAGTGTACACGCTGTAGAGTTAAACAGGAACACACCTGTTTGACAGTGGTTCATATGAAGCCGGAGTTCCCTGCAGCTATAGGTCCT												337
Pakistan 1	AAATGTATAAGTTAGTTCTGTACACGCTTGAACCCAGTGTGAACCGCTGTAGAGTTAAACAGGAACAGACCTGTTTGACAGTGGTTCATATGAAGCCGGAGTTCCCTGCAGGTATAGGTCCT												360
Pakistan 2	AAATGTATAAGTTAGTTCTGTACACGCTTGAACCCAGTGTGAACCGCTGTAGAGTTAAACAGGAACAGACCTGTTTGACAGTGGTTCATATGAAGCCGGAGTTCCCTGCAGGTATAGGTCCT												360
Beech colony	AAATGTATAAGTTAGTTCTGTACACGCTTGAACCCAGTGTGAACCGCTGTAGAGTTAAACAGGAACAGACCTGTTTGACAGTGGTTCATATGAAGCCGGAGTTCCCTGCAGGTATAGGTCCT												360

	370	380	390	400	410	420	430	440	450	460	470	480	
Afghanistan	TGC CGATGTC CATTATGGTGGTATTTTCTATTGACCGATCGTTAAACCTCAACATGCGAAGCTGGTGGTGGATGATGGTACGATCATACCGAGAGTCATGCGATCA TGA												457
Pakistan 1	TGT CGATATCCATTATGGTGGTATTTTCTATTGGGCGATCGTTACA;CTTAACCCCTCAACATGCGATCCTGGTGGTGGATGATGAAGGTACGATCATACCGAGAGTCATGCGATC												476
Pakistan 2	TGT CGATATCCATTATGGTGGTATTTTCTATTGGGCGATCGTTACA;CTTAACCCCTCAACATGCGATCCTGGTGGTGGATGATGAAGGTACGATCATACCGAGAGTCATGCGATC												476
Beech colony	TGT CGATATCCATTATGGTGGTATTTTCTATTGGGCGATCGTTACA;CTTAACCCCTCAACATGCGATCCTGGTGGTGGATGATGAAGGTACGATCATACCGAGAGTCATGCGATC												476

	490	500	510	520	530	540	550	560	570	580	590	600	
Afghanistan	TCTATCTGGTGCCAGTCTTAAACCGACAGGACCGGGGTTCAAATCGCATCAAGCCGTTCCCGCCATAGTGAGGCCAAGACTTCTCGAGGTTGTA-----AGGAAGAAGAAGAAGGAAC												571
Pakistan 1	--TATCTGGTGTGAGTCTTAAACCGGACAGGACCGGGGTTAAAATCGCATCCAGCCGTTCCCGCCATAGTGAGGCCAAGACTTCTCGAGGTTGTAGTGCCAAGGAAGAAGAAGGAAGGAAC												594
Pakistan 2	--TATCTGGTGTGAGTCTTAAACCGGACAGGACCGGGGTTAAAATCGCATCCAGCCGTTCCCGCCATAGTGAGGCCAAGACTTCTCGAGGTTGTAGTGCCAAGGAAGAAGAAGGAAGGAAC												594
Beech colony	--TATCTGGTGTGAGTCTTAAACCGGACAGGACCGGGGTTAAAATCGCATCCAGCCGTTCCCGCCATAGTGAGGCCAAGACTTCTCGAGGTTGTAGTGCCAAGGAAGAAGAAGGAAGGAAC												594

	610	620	630	640	650	660	670	680	690	700	710	720	
Afghanistan	CGATTGAGGGAAG--TTCAACATTGCGCAAGAAGGAGAGAAATGGTGAAGCTTTTAACTCAAAGCGATTTTTATGACCGCAAAACACCGTAGATCAAGAGTATAACAGAAACAGTTAAAT												689
Pakistan 1	CGATTGAGGGAAGTGTTCATATTGCGCAAGAAGGAGAGAAATGGTGAAGCTTTTAACTCAAAGCGATTTTTATGACCGCAAAAC--CAGTACATCAAGAGTAAACAGAAACAGTTAAAT												712
Pakistan 2	CGATTGAGGGAAGTGTTCATATTGCGCAAGAAGGAGAGAAATGGTGAAGCTTTTAACTCAAAGCGATTTTTATGACCGCAAAAC--CAGTACATCAAGAGTAAACAGAAACAGTTAAAT												712
Beech colony	CGATTGAGGGAAGTGTTCATATTGCGCAAGAAGGAGAGAAATGGTGAAGCTTTTAACTCAAAGCGATTTTTATGACCGCAAAAC--CAGTACATCAAGAGTAAACAGAAACAGTTAAAT												712

	730	740	750	760	770	780	790	800	810	820	830	840	
Afghanistan	CTTATCATGCACTGATAGCTAGACAATAAAACGAGAGTAAAGTGCTATTAAAAAGAAAATTTGATACAAAGTCGGAATCAAGGTGCATGTAAGAAACGCTAAAGAAAGACAAACAAAT												809
Pakistan 1	CTTATCATGCACTGATAGCTAGACAATAAAACGAGAGTAAAGTGCTATTAAAAAGAAAATTTGATACAAAGTCGGAATCAAGGTGCATGTAAGAAACGCTAAAGAAAGACAAACAAAT												832
Pakistan 2	CTTATCATGCACTGATAGCTAGACAATAAAACGAGAGTAAAGTGCTATTAAAAAGAAAATTTGATACAAAGTCGGAATCAAGGTGCATGTAAGAAACGCTAAAGAAAGACAAACAAAT												832
Beech colony	CTTATCATGCACTGATAGCTAGACAATAAAACGAGAGTAAAGTGCTATTAAAAAGAAAATTTGATACAAAGTCGGAATCAAGGTGCATGTAAGAAACGCTAAAGAAAGACAAACAAAT												832

	850	860	870	880	890	900	910	920	930	940	950	960	
Afghanistan	CGTTAAAGTTGACAAAACCAAAAAGAAAGAAAAAAAACAGAGAAAAAGGCAAGATTACAGTAGTTATCAAGCGCACAGGACAGAAAGTAGCAACACAGTAGATAATAAAACATTTG												929
Pakistan 1	CGTTAAAGTTGACAAAACCAAAAAGAAAGAAAAAAAACAGAGAAAAAGGCAAGATTACAGTAGTTATCAAGCGCACAGGACAGAAAGTAGCAACACAGTAGATAATAAAACATTTG												952
Pakistan 2	TGTTAAAGTTGACAAAACCAAAAAGAAAGAAAAAAAACAGAGAAAAAGGCAAGATTACAGTAGTTATCAAGCGCACAGGACAGAAAGTAGCAACACAGTAGATAATAAAACATTTG												950
Beech colony	TGTTAAAGTTGACAAAACCAAAAAGAAAGAAAAAAAACAGAGAAAAAGGCAAGATTACAGTAGTTATCAAGCGCACAGGACAGAAAGTAGCAACACAGTAGATAATAAAACATTTG												950

	970	
Afghanistan	TTTCGCTTGCCGGCAT	944
Pakistan 1	TTTCGCTTGCCGGCAT	967
Pakistan 2	TTTCGCTTGCCGGCAT	965
Beech colony	TTTCGCTTGCCGGCAT	965