

Nancy Mueller, Atze T. Das and Ben Berkhout

SD/3WJ

	5	15	25	35	45	55	65	75	85	95
B.FR.83.HXB2_LAI_IIIB_BRU.K034	TAGTGTGTC	CGCTCTGTTG	TGTTGA							
A1.CD.02.02CD_KTB035.AM000055	TAGTGTGTC	CGCTCTGTTG	TGTTGC							
A1.CD.97.97CD_KCC2.AM000053	TGGTGTGTC	CGCTCTGTTG	TGTTGA							
A1.ES.05.X1608_8.FJ670519	TAGTGTGTC	CGCTCTGTTG	TATGA							
A1.IT.02.60000.EU861977	TAGTGTGTC	CGCTCTGTTG	TGTTGA							
A1.KE.01.ML1901PCR2.EU110095										
A1.KE.01.ML1945.EU110088										
A1.KE.02.ML1990.EU110092										
A1.KE.02.ML2014.EU110094										
A1.KE.86.ML170_1986.AF539405										
A1.KE.94.Q23_17.AF004885	TAGTGTGTC	CGCTCTGTTG	TGTTGA							
A1.KE.97.ML013_2.AY322185	TAGTGTGTC	CGCTCTGTTG	TTTGA							
A1.KE.97.ML605_3.AY322190	TAGTGTGTC	CGCTCTGTTG	TCCTGA							
A1.KE.97.ML752.AY322193	TAGTGTGTC	CCATTGTTG	TAAGA							
A1.RU.00.RU00051.EF545108										
A1.RU.05.RU_560_1125_JA.JQ2928										
A1.RU.06.RU_915_1016.JQ292896	TAGTGTGTC	CGCTCTGTTG	TATGA							
A1.RU.06.RU_915_1035.JQ292897	TAGTGTGTC	CGCTCTGTTG	TGTTGA							
A1.RU.06.RU_915_1038.JQ292898	TAGTGTGTC	CGCTCTGTTG	TATGA							
A1.RU.06.RU_915_1041.JQ292899	TAGTGTGTC	CGCTCTGTTG	TGTTGA							
A1.RU.06.RU_SP_B_049.JQ292900	TAGTGTGTC	CGCTCTGTTG	TGTTGA							
A1.RU.07.Irkutsk_5.JQ292891										
A1.RU.08.PokAlRu.FJ864679	TAGTGTGTC	CGCTCTGTTG	TGTTGA							
A1.RU.08.RUA001.JQ292893	TAGTGTGTC	CGCTCTGTTG	TATGA							
A1.RU.08.RUA007.JQ292894	TAGTGTGTC	CGCTCTGTTG	TGTTGA							
A1.RU.10.10RU6617.JX500696	TAGTGTGTC	CCATCTGTTG	TATGA							
A1.RU.10.10RU6792.JX500695	TAGTGTGTC	CGCTCTGTTG	TGTTGA							
A1.RU.11.11RU6950.JX500694	TAGTGTGTC	CGCTCTGTTG	TATGA							
A1.RW.07.pR463F.JX236677	TAGTGTGTC	CGCTCTGTTG	TTTGA							
A1.RW.07.pR880F.JX236678	CAGTGTGTC	CGCTCTGTTG	TATGA							
A1.RW.92.92RW008.AB253421	TAGTGTGTC	CGCTCTGTTG	TGTTGA							
A1.RW.92.92RW025A.AB287376	TAGTGTGTC	CGCTCTGTTG	TGTTGA							
A1.RW.93.93RW037A.AB287379	TAGTGTGTC	CGCTCTGTTG	TATGA							
A1.SE.95.UGS88131.AF107771										
A1.TZ.97.97TZ03.AF361873										
A1.UA.00.98UA0116.AF413987	TAGTGTGTC	CGCTCTGTTG	TATGA							
A1.UG.07.p191084.JX236669	TAGTGTGTC	CGCTCTGTTG	TATGA							
A1.UG.07.p191845.JX236671	TAGTGTGTC	CGCTCTGTTG	TGTTGA							
A1.UG.07.p9004SDM.JX236676	CAGTGTGTC	CGCTCTGTTG	TATGA							
A1.UG.85.U455_U455A.M62320	TAGTGTGTC	CGCTCTGTTA	TTTGA							
A1.UG.92.92UG037.AB253429	TAGTGTGTC	CGCTCTGTTG	TGTTGA							
A1.UG.92.UG029.AB098333	TAGTGTGTC	CGCTCTGTTG	TGTTGA							
A1.UG.x.UG031.AB098331	TAGTGTGTC	CGCTCTGTTG	TTTGA							
A1.UG.x.UG275.AB485632	CAGTGTGTC	CGCTCTGTTG	TATGA							
A1.ZA.04.04ZASK162B1.DQ396400										
A2.CD.97.97CDKTB48.AF286238										
A2.CY.94.94CY017_41.AF286237										
B.AU.86.MBC200.AF042100	TAGTGTGTC	CGCTCTGTTG								

B.BR. 04. 04BR1051.JN692452	TAGTGTGTGC	CCGCTCTGTTG	TGTGA-----	-	C	TCTGGTAA-C	TAGAGATCCC	TCAGACACTT	--GTATCAG	T-GTGGAA--	AATCTCTAGC	
B.BR. 04. 04BR1054.JN692453							TGGAGATCCC	TCAGACCCAT	--TTAGTCA-	-GTGTGGAA	AATCTCTAGC	
B.BR. 04. 04BR1055.JN692454	TAGTGTGTGC	CCGCTCTGTTG	TGTAA-----	-	C	TCTAGTAA-C	TAAAATATCCC	TCAGAACCTTT	--TTAGTCAG	T-GTGGAA-	AATCTCTAGC	
B.BR. 04. 04BR1057.JN692455	TAGTGTGTGC	CCGCTCTGTTG	TGTGA-----	-	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCTTT	--CAGTCAGT	-GCGGAAA-	AATCTCTAGC	
B.BR. 04. 04BR1068.JN692457							-	TAGAGATCCC	TCAGACATTG	-TAGTCAGT	-GTGGAAA-	AATCTCTAGC
B.BR. 04. BREPM1066.FU195090	TAGTGTGTGC	CCGCTCTGTTG	TGTGA-----	-	C	TCTGGTAA-C	TAGAGATCCC	TCAGACACT-	--TAGTCAG	T-GTGGAA-	AATCTCTAGC	
B.BR. 04. BREPM1070.FU195086		--TTCGTTGG	TGTGA-----	-	T	TCTGGTAC-C	TAGAGTTCTT	TCAGACCTTA	--TTGTCAG	T-TGGGAA--	ATTCTTTGCG	
B.BR. 05.05BR1077.JN692460												
B.BR. 05.05BR1078.JN692461												
B.BR. 05.05BR1079.JN692462		-----C	CCGCTCTGTTG	TGTGA-----	-	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCCTT	--TTAGTCAG	T-GTGGAA--	AATCTCTAGC
B.BR. 05.05BR1080.JN692463												
B.BR. 05.05BR1082.JN692465	TAGTGTGTGC	CCGCTCTGTTG	TTTGA-----	-	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCAIT	--TTAGTCAG	T-GTGGAA-	AATCTCTAGC	
B.BR. 05.05BR1089.JN692467												
B.BR. 05.05BR1092.JN692468	TTATGTGTGC	CCGCTCTGTTG	TGTGA-----	-	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCAAT	--TTAGTCAG	T-GTGGAA-	AATCTCTAGC	
B.BR. 05.05BR1095.JN692471	TAGTGTGTGC	CCGCTCTGTTG	TGTGA-----	-	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCTTT	--GTATCAG	T-GTGGAA-	AATCTCTAGC	
B.BR. 05.05BR1101.JN692473	TAGTGTGTGC	CCGCTCTGTTG	TGTGA-----	-	C	TCTGGTAA-C	TAGAGATCCC	TCAGACTCTT	--CTAGTCAG	T-GTGGAA-	AATCTCTAGC	
B.BR. 05.05BR1104.JN692474	TTATGTGTGC	CCGCTCTGTTG	TGTGA-----	-	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCCCT	--TAAGTCAG	T-GTGGAA-	AATCTCTAGC	
B.BR. 05.05BR1107.JN692475	TAGTGTGTGC	CCGCTCTGTTG	TGTGA-----	-	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCAIT	--TAAGTCAG	T-GTGGAA-	AATCTCTAGC	
B.BR. 05. BREPM1081.FU195091	TAGTGTGTGC	CCGCTCTGTTG	TGTGA-----	-	C	TCTGGTAA-C	TAGAGATCCC	TCAGACACTT	--TTAATCCG	T-GTGGAA-	AATCTCTAGC	
B.BR. 05. BREPM1084.FU195088								-----CCC	TCAGACCCCT	--TTAGTCAG	T-GTGGAA-	AATCTCTAGC
B.BR. 05. BREPM1093.FU195089	TAGTGTGTGC	CCGCTCTGTTG	TGTGA-----	-	C	TCTGGTAA-C	TAGAGATCCC	TCAGACACTT	--TTAGTCAG	T-GTGGAA-	AATCTCTAGC	
B.BR. 06.06BR1115.JN692479	TAGTGTGTGC	CCGCTCTGTTG	TGTGA-----	-	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCAIT	--TTAGTCAG	A-GTGGAA-	AATCTCTAGC	
B.BR. 06.06BR1119.JN692480								--GAGATCCC	TCAGACCCCT	--TTAGTCAG	T-GTGGAA-	AATCTCTAGC
B.CA. 06.502_1027_wg01.FJ320413	TAGTGTGTGC	CCGCTCTGTTG	TGTGA-----	-	C	TCTGGTAAAC	TAGAGATCCC	TCAGACCCC-	--TTTTTAGT	CAGTGTGGAA	AATCTCTAGC	
B.CA. 06.502_1799_FL02.FJ320427						-TGGTAA-C	TAGAGATCCC	TCAGACCTTT	--TAGTCAG	T-GTGGAA-	AATCTCTAGC	
B.CA. 07.502_1191_03.FJ320424						-TGGTAA-C	TAGAGATCCC	TCAGACCAIT	--TTAGTCAG	T-GTGGAA-	AATCTCTAGC	
B.CA. 06.WC10C_4.AY314056	-AGTGTGTGC	CCGCTCTGTTG	TGTGA-----	-	C	TCTGGTAA-C	TAGAGATCCC	TCAGACTCTT	--TTAGTCAG	T-GTGGAA-	AATCTCTAGC	
B.CA. 97.CANB3FULL.AY779553												
B.CH. 03.HIV_CH_BID_V4470_2003.												
B.CN. 01.CNHN24.AY180905												
B.CN. 02.02Hnsc11.DQ007903	TAGTGTGTGC	CCGCTCTGTTG	TGTGA-----	-	C	TCTGGTAA-C	TAGAGATCCC	TCAGAACCTA	--TTAGTCAG	T-GTGGAA-	AATCTCTAGC	
B.CN. 03.SHXDC0081.JF932492	TAGTGTGTGC	CCGCTCTGTTG	TGTGA-----	-	C	TCTGGTAG-C	TAGAGATCCC	TCAGACCCCTA	--ATAGTCAG	T-GTGGAA-	AATCTCTAGC	
B.CN. 05.05CNHB_hp3.DQ990880	TAGTGTGTGC	CCGCTCTGTTG	TGTGA-----	-	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCCCTT	--TAGTTTGT	T-GTGGAA-	AATCTCTAGC	
B.CN. 06.CC056.JF932482	-----C	CCGCTCTGTTG	TGTGA-----	-	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCCCTT	--TTAGTCAG	T-GTGGAA-	AATCTCTAGC	
B.CN. 07.AHO70011.JF932468												
B.CN. 07.AHO70014.JF932469		-----C	CCGCTCTGTTG	TGTGA-----	-	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCTTT	--TAGTCAG	T-GTGGAA-	AATCTCTAGC
B.CN. 07.AHO70017.JF932470			-----A									

B.US.06.CH77E_flA1.FJ496000						--TGGTAA-C	TAGAGATCCC	TCAGACCTTT	--TAGTCAG	T-GTGAA-	AATCTCTAGC	
B.US.07.502_0364_wg2.JF320563						--GTAA-C	TAGAGATCCC	TCAGACCATT	--TTAGTCAG	T-GTGAA-	AATCTCTAGC	
B.US.07.502_1115_wg1.JF320045						-TGGTAG-C	TAGAGATCCC	TCAGACCCITT	--TTAGTCAG	T-GTGAA-	AATCTCTAGC	
B.US.07.502_1478_wg4.JF320150				C	CGCTCTGTTG	TGTGA--	-C TCTGGTAA-C	TAGAGATCCC	TCAGACCCITT	--TTAGTCAG	T-GTGAA-	AATCTCTAGC
B.US.07.502_1897_wg6.JF320182	TAGTGTGTGC					-C TCTGGTAA-C	TAGAGATCCC	TCAGACCAAT	--TTAGTCAG	G-GTGAA-	AATCTCTAGC	
B.US.07.502_2289_05.JF320197						--TGGTAA-C	TAGAGATCCC	TCAGACCCITT	--TTAGTCAG	T-GTGAA-	AATCTCTAGC	
B.US.09.C1P.GU733713	TAGTGTGTGC	CGCTCTGTTG	TGTGA--			-C TCTGGTAA-C	TAGAGATCCC	TCAGACCATT	--TTAGTCAG	T-GTGAA-	AATCTCTAGC	
B.US.09.DEMB09US002.JX140657												
B.US.10.CP1.JN397365	TAGTGTGTGC	CGCTCTGTTG	TGTGA--			-C TCTGGTAA-C	TAGAGATCCC	TCAGACCCITT	--TAGTCAG	T-GTGAA-	AATCTCTAGC	
B.US.10.VC1.JN397364	TAGTGTGTGC	CGCTCTGTTG	TGTGA--			-C TCTGGTAA-C	TAGAGATCCC	TCAGACCCITT	--TAGTCAG	T-GTGAA-	AATCTCTAGC	
B.US.11.E538.JN397362	TAGTGTGTGC	CGCTCTGTTG	TTTGA--			-C TCTGGTAA-C	TAGAGATCCC	TCAGACTCTC	--GTAGTCAG	T-GTGAA-	AATCTCTAGC	
B.US.83.5018_83.AY835777	TAGTGTGTGC	CGCTCTGTTG	TGTGA--			-C TCTGGTAA-C	TAGAGATCCC	TCAGACCCITT	--TTAGTCAG	T-GTGAA-	AATCTCTAGC	
B.US.83.5157_83.AY835781	TAGTGTGTGC	CGCTCTGTTG	TGTGA--			-C TCTGGTAA-C	TAGAGATCCC	TCAGACCCITT	--TTAGTCAG	T-GTGAA-	AATCTCTAGC	
B.US.83.RF_HAT3.M17451	TAGTGTGTGC	CGCTCTGTTG	TGTGA--			-C TCTGGTAA-C	TAGAGATCCC	TCAGACCTCT	--TTAGTCAG	T-GTGAA-	AATCTCTAGC	
B.US.83.SP2_LAV2_ARV2.K02007	TAGTGTGTGC	CGCTCTGTTG	TGTGA--			-C TCTGGTAA-C	TAGAGATCCC	TCAGACCCITT	--TTAGTCAG	T-GTGAAA-	AATCTCTAGC	
B.US.84.5019_84.AY835779	TAGTGTGTGC	CGCTCTGTTG	TGTGA--			-C TCTGGTAA-C	TAGAGATCCC	TCAGACCCITT	--TTAGTCAG	T-GTGAA-	AATCTCTAGC	
B.US.84.MMNC MN.M17449	TAGTGTGTGC	CGCTCTGTTA	TGTGA--			-C TCTGGTAG-C	TAGAGATCCC	TCAGACCCITT	--TTAGTCAG	T-GTGAA-	AATCTCTAGC	
B.US.84.NY5CG.M38431	TAGTGTGTGC	CGCTCTGTTG	TGTGA--			-C TCTGGTAA-C	TAGAGATCCC	TCAGACCCITT	--TTAGTCAG	T-GTGAA-	AATCTCTAGC	
B.US.84.SF33.AY352275	TAGTGTGTGC	CGCTCTGTTG	TGTGA--			-C TCTGGTAG-C	TAGAGATCCC	TCAGACCCITT	--TTAGTCAG	T-GTGAA-	AATCTCTAGC	
B.US.85.5077_85.AY835769	TAGTGTGTGC	CGCTCTGTTG	TGTGA--			-C TCTGGTAA-C	TAGAGATCCC	TCAGACCCITT	--TTAGTCAG	T-GTGAA-	AATCTCTAGC	
B.US.85.Ba_L.AB221005	TAGTGTGTGC	CGCTCTGTTG	TGTGA--			-C TCTGGTAA-C	TAGAGATCCC	TCAGACCCITT	--TTAGTCAG	T-GTGAA-	AATCTCTAGC	
B.US.86.5084_86.AY835775	TAGTGTGTGC	CGCTCTGTTG	TGTGA--			-C TCTGGTAA-C	TAGAGATCCC	TCAGACCCITT	--TTAGTCAG	T-GTGAA-	AATCTCTAGC	
B.US.86.5096_86.AY835749	TAGTGTGTGC	CGCTCTGTTG	TGTGA--			-C TCTGGTAA-C	TAGAGATCCC	TCAGACCCITT	--TTAGTCAG	T-GTGAA-	AATCTCTAGC	
B.US.86.5127_86.AY835774	TAGTGTGTGC	CGCTCTGTTG	TGTGA--			-C TCTGGTAA-C	TAGAGATCCC	TCAGACCCITT	--TTAGTCAG	T-GTGAA-	AATCTCTAGC	
B.US.86.ABd87_ADA.AF004394	TAGTGTGTGC	CGCTCTGTTG	TGTGA--			-C TCTGGTAA-C	TAGAGATCCC	TCAGACCCITT	--TTAGTCAG	T-GTGAA-	AATCTCTAGC	
B.US.86.JRFL_JR_FL.U63632												
B.US.86.YU_2.M93258	TAGTGTGTGC	CGCTCTGTTG	TGTGA--			-C TCTGGTAA-C	TAGAGATCCC	TCAGACCCITT	--TTAGTCAG	T-GTGAA-	AATCTCTAGC	
B.US.87.5113_87.AY835758	TAGTGTGTGC	CGCTCTGTTG	TGTGA--			-C TCTGGTAA-C	TAGAGATCCC	TCAGACCCITT	--TTAGTCAG	T-GTGAA-	AATCTCTAGC	
B.US.87.BC_BC SG3.L02317	TAGTGTGTGC	CGCTCTGTTG	TGTGA--			-C TCTGGTAG-C	TAGAGATCCC	TCATACCCCT	--TTAGTCAG	T-GTGAA-	AATCTCTAGC	
B.US.88.5160_88.AY835763	TAGTGTGTGC	CGCTCTGTTG	TGTGA--			-C TCTGGTAA-C	TAGAGATCCC	TCAGACCCITT	--TTAGTCAG	T-GTGAA-	AATCTCTAGC	
B.US.88.WR27.AF286365	TAGTGTGTGC	CGCTCTGTTG	TGTGA--			-C TCTGGTAG-C	TAGAGATCCC	TCAGACCCITT	--TTAGTCAG	T-GTGAA-	AATCTCTAGC	
B.US.89.P896_89_6.U39362	TAGTGTGTGC	CGCTCTGTTG	TGTGA--			-C TCTGGTAA-C	TAGAGATCCC	TCAGACCCITT	--TTAGTCAG	T-GTGAA-	AATCTCTAGC	
B.US.90.US1.AY173952												
B.US.90.US2.AY173953												
B.US.90.US3.AY173954												
B.US.90.US4.AY173955												
B.US.90.WCIPR.U69591	TAGTGTGTGC	CGCTCTGTTG	TGTGA--			-C TCTGGTAA-C	TAGAGATCCC	TCAGACCCITT	--TTAGTCAG	T-GTGAA-	AATCT	

[illegible]

01_AE.CN.06.Fj064.EF036533	TAGTGTGTGC	CCGCTCTGTGT	TAGGA-----	C	TCTAGTAA-C	TAGAGATCCC	TCAGACCACT	--CTAGACTA	A-GTAAA---	AATCTCTAGC
01_AE.HK.04.HK001.DQ234790										
01_AE.JP.x.DR0492.AB253423	TGGTGTGTGC	CCGCTCTGTGT	TAGGA-----	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCACT	--CTAGACTG	A-GTAAA---	AATCTCTAGC
01_AE.JP.x.DR2594.AB253660	TGGTGTGTGC	CCATTGTGTGT	CAGGA-----	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCACT	--CTAGACTG	A-GTAAA---	AATCTCTAGC
01_AE.JP.x.DR6824.AB253426	TGGTGTGTGC	CCATCTGTGT	TAGGA-----	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCACT	--CTAGACTG	A-GTAAA---	AATCTCTAGC
01_AE.JP.x.JRC77AE.AB565504	TGGTGTGTGC	CCGCTCTGTGT	TAGGA-----	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCACT	--CTAGACTG	A-GTAAA---	ATTCTCTAGC
01_AE.TH.04.AA027a_wg4.JX44702										
01_AE.TH.04.AA075a_WG7.JX44754	-----TGC	CCGCTCTGTGT	TAGGA-----	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCACT	--CTAGACTG	A-GTAA--	AATCTCTAGC
01_AE.TH.04.BKM.DQ314732	TGGTGTGTGC	CCGCTCTGTGT	TTGGA-----	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCACT	--CTAGACTG	A-GTAAA---	AATCTCTAGC
01_AE.TH.05.AA004a_wg4a.JX4467										
01_AE.TH.05.AA033a_wg6a.JX4470										
01_AE.TH.05.AA049a_WG13.JX4472										
01_AE.TH.05.AA064a_WG2.JX44741										
01_AE.TH.05.AA079a_WG4.JX44759										
01_AE.TH.05.AA101a_WG1.JX44793										
01_AE.TH.05.AA107a_wg4.JX44802										
01_AE.TH.06.AA002a_WG1.JX44666	-----GC	CCGCTCTGTGT	TAGGA-----	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCACT	--CTAGACTG	A-GTAAA---	AATCTCTAGC
01_AE.TH.06.AA017a_wg1.JX44689										
01_AE.TH.06.AA034a_wg2.JX44708										
01_AE.TH.06.AA038a_WG3.JX44713										
01_AE.TH.06.AA055a_WG4.JX44731										
01_AE.TH.06.AA056a_WG5.JX44731										
01_AE.TH.06.AA059a_WG5.JX44735	-----TGC	CCGCTCTGTGT	TAGGA-----	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCACT	-----GACTG	A-GTAAA---	AATCTCTAGC
01_AE.TH.06.AA063a_WG37.JX4474										
01_AE.TH.06.AA068a_14.JX447465										
01_AE.TH.06.AA082a_WG9.JX44764	-----TGC	CCGCTCTGTGT	TAGGA-----	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCACT	--CTAGACTG	A-GTAAA---	AATCTCTAGC
01_AE.TH.06.AA085a_wg2.JX44768										
01_AE.TH.06.AA088a_wg14.JX4477										
01_AE.TH.06.AA099a_WG9.JX44789										
01_AE.TH.07.AA015a_WG4.JX44687										
01_AE.TH.07.AA019a_WG11.JX4469										
01_AE.TH.07.AA028a_wg3.JX44702										
01_AE.TH.07.AA050a_WG7.JX44728										
01_AE.TH.07.AA007a_WG10.JX4467										
01_AE.TH.08.AA037a_WG6.JX44712	-----C	CCGCTCTGTGT	TAGGA-----	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCACT	--CTAGACTG	A-GTAA----	AATCTCTAGC
01_AE.TH.08.AA060a_WG1.JX44735										
01_AE.TH.08.AA067a_WG12.JX4474										
01_AE.TH.08.AA108a_WG6.JX44802										
01_AE.TH.09.AA090a_WG11.JX4477										
01_AE.TH.09.AA111a_WG11.JX4480										
01_AE.TH.90.CM240.U54771										
01_AE.TH.93.93TH253.U51189	TGGTGTGTGC	CCGCTCTGTGT	TAGGA-----	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCACT	--CTAGACTG	A-GTAAA---	AATCTCTAGC
01_AE.TH.93.93TH9021.AF164485	TGGTGTGTGC	CCATCTGTGT	TAGGA-----	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCACT	--CTAGACTG	A-GTAAA---	AATCTCTAGC
01_AE.TH.95.95TNIH022.AB032740	TGGTGTGTGC	CCGCTCTGTGT	TAGGA-----	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCACT	--CTAGACTG	A-GTAAA---	AATCTCTAGC
01_AE.TH.95.95TNIH047.AB032741	TGGTGTGTGC	CCGCTCTGTGT	TAGGA-----	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCACT	--CTAGACTG	A-GTAAA---	AATCTCTAGC
01_AE.TH.x.NP03.AB485654	TGGTGTGTGC	CCGCTCTGTGT	TTGGA-----	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCACT	--CTAGACTG	A-GTAAA---	AATCTCTAGC
01_AE.VN.97.97VNAG204.FJ185247										
01_AE.VN.97.97VNAG206.FJ185248										
01_AE.VN.97.97VNAG207.FJ185249										
01_AE.VN.97.97VNAG210.FJ185251										
01_AE.VN.97.97VNAG212.FJ185252										
01_AE.VN.97.97VNAG214.FJ185253										
01_AE.VN.97.97VNAG218.FJ185255										
01_AE.VN.97.97VNHCM314.FJ18524										
01_AE.VN.97.97VNHCM319.FJ18524										
01_AE.VN.97.97VNHCM343.FJ18524										
01_AE.VN.97.97VNHCM345.FJ18524										
01_AE.VN.98.98VND15.FJ185235										
02_AG.CM.08.DE00208CM001.JX140										
02_AG.CM.08.DE00208CM004.JX140										
02_AG.CM.99.pBD6.15.AY271690	TAGTGTGTGC	CCGCTCTGTGT	TGTGA-----	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCACT	--TTAGACTG	T-GTAAA---	AATCTCTAGC
02_AG.ES.06.P1261.EU786671	-----TGC	CCGCTCTGTGT	TGTGA-----	C	TCTGGTAT-C	TAGAGATCCC	TCAGACCACT	--CTAGACTT	A-GTGAAA---	AATCTCTAGC
02_AG.ES.06.P1423.EU884501	-----GTGC	CCGCTCTGTGT	TGTGA-----	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCACT	--CGAGACCG	T-GTAGAA---	AATCTCTAGC
02_AG.FR.91.DJ263.AF063223										
02_AG.GH.03.03GH181AG.AB286855	TAGTGTGTGC	CCGCTCTGTGT	TGTGA-----	C	TCTGGTAT-C	TAGAGATCCC	TCAGACCACT	--GTAGACTG	T-GTAAAA---	AATCTCTAGC
02_AG.GH.03.03GH182AG.AB286857	TAGTGTGTGC	CCGCTCTGTGT	TGTGA-----	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCACT	--TTACTCAG	T-GTAAA---	AATCTCTAGC
02_AG.GH.03.03GH189AG.AB286862	TAGTGTGTGC	CCGCTCTGTGT	TGTGA-----	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCACT	--TTAGACTG	T-GTAAA---	AATCTCTAGC
02_AG.GH.03.03GH197AG.AB286863	TAGTGTGTGC	CCGCTCTGTGT	TGTGA-----	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCACT	--TTAGACTG	T-GTAAA---	AATCTCTAGC
02_AG.GH.03.GHNJ185.AB231895	TAGTGTGTGC	CCGCTCTGTGT	TGTGA-----	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCACT	--TTAGACTG	T-GTAAA---	AATCTCTAGC
02_AG.GH.03.GHNJ188.AB231896	TAGTGTGTGC	CCGCTCTGTGT	TGTGA-----	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCACT	--TTAGACTG	T-GTAAA---	AATCTCTAGC
02_AG.GH.03.GHNJ196.AB231898	TAGTGTGTGC	CCGCTCTGTGT	TGTGA-----	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCACT	--TTAGACTG	T-GTAAA---	AATCTCTAGC
02_AG.GH.97.97GH_AG1.AB049811	TAGTGTGTGC	CCGCTCTGTGT	TGTGA-----	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCACT	--TTAGACTG	T-GTAAA---	AATCTCTAGC
02_AG.GH.x.1_2496.AB485633	TAGTGTGTGC	CCGCTCTATTG	TGTGA-----	C	TCTGGTAT-C	TAGAGATCCC	TCAGACCACT	--CTAGACTG	T-GTAAGAA---	AATCTCTAGC
02_AG.GW.04.CC_0030.FJ694791										
02_AG.GW.05.CC_0048.FJ694792										
02_AG.KR.07.07MH110.JQ316136	TAGTGTGTGC	CCGCTCTGTGT	TGTGA-----	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCACT	--TTAGCTTG	A-GTAGA---	AATCTCTAGC
02_AG.LR.x.POC44951.AB485636	TAGTGTGTGC	CCGCTCTGTGT	TGTGA-----	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCACT	--TTAGCTTG	A-GTAGA---	AATCTCTAGC
02_AG.NG.x.IBNG.L39106	TAGTGTGTGC	CCGCTCTGATT	GTGTGA-----	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCACT	--TTAGCTTG	A-GTAGA---	AATCTCTAGC
02_AG.SE.94.SE7812.AF107770										
03_AB.BY.00.98BY10443.AF414006	TAGTGTGTGC	CCGCTCTGTGT	TATGA-----	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCACT	--CTAGACGG	T-GTAAAA---	AATCTCTAGC
03_AB.RU.98.RU98001_98RU001.AF										
04_cpx.CY.94.94CY032_3.AF04933										
04_cpx.GR.00.DE00400GR002.JX14										
04_cpx.GR.91.GR11_97PVCH.AF119	TAGTGTGTGC	CCGCTCTGTGT	TGTGA-----	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCACT	--CTAGACTG	T-ATAAAA---	AATCTCTAGT
04_cpx.GR.97.GR84_97PVMY.AF119	TAGTGTGTGC	CCGCTCTGTGT	TTTGA-----	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCACT	--CTAGACGG	T-ATAAA---	AATCTCTAGC
05_DF.BE.93.VI961.AF076998										
05_DF.BE.x.VI1310.AF193253										
05_DF.ES.99.X492.AY227107										
06_cpx.AU.96.BFP90.AF064699	TAGTGTGTGC	CCGCTCTGTGT	TGTGA-----	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCACT	--CTAGACAG	T-GTAAA---	AATCTCTAGC
06_cpx.CD.x.BCF_Dioum.AB485660	TAGTGTGTGC	CCGCTCTGTGT	TGTGA-----	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCACT	--CTAGACAG	T-GTAAA---	AATCTCTAGC
06_cpx.EE.01.EE0359.AY535659	TAGTGTGTGC	CCGCTCTGTGT	TGTGA-----	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCACT	--TTAGACTG	T-GTAAA---	AATCTCTAGC
06_cpx.GH.03.03GH173_06.AB2868	TAGTGTGTGC	CCGCTCTGTGT	TGTGA-----	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCACT	--CTAGAAGG	T-GTAAA---	AATCTCTAGC
06_cpx.ML.95.95ML127.AJ245481	TAGTGTGTGC	CCGCTCTGTGT	TGTGA-----	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCACT	--CTAGACCG	T-GTAAA---	AATCTCTAGC
06_cpx.ML.95.95ML84.AJ245481	TAGTGTGTGC	CCGCTCTGTGT	TGTGA-----	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCACT	--CTAGACCG	T-GTAAA---	AATCTCTAGC
06_cpx.SN.97.97SE1078.AJ288981	TAGTGTGTGC	CCGCTCTGTGT	TTTGA-----	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCACT	--CTAGAAGG	T-GTAAA---	AATCTCTAGC
07_BC.CN.05.XJDC6431_2.EF36837										
07_BC.CN.05.XJDC6441.EF368370										
07_BC.CN.06.Sichuan_2006_SC006										
07_BC.CN.06.Sichuan_2006_SC008										
07_BC.CN.06.Xinjiang_2006_709.										
07_BC.CN.07.CNGZD.JQ423923										
07_BC.CN.98.98CN009.AF286230										
08_BC.CN.00.p00CH_HH090_08_BC3	CAGTGTGTGC	CCGCTCTATTG	TGTGA-----	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCACT	--TGTGGTAG	T-GTGAAA---	AATCTCTAGC
08_BC.CN.00.p00CH_WS035_08_BC5	CAGTGTGTGC	CCGCTCTATTG	TGTGA-----	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCACT	--TGTGGTAG	T-GTGAAA---	AATCTCTAGC
08_BC.CN.01.p01CH_DL001_08_BC0	CAGTGTGTGC	CCGCTCTATTG	TGTGA-----	C	TCTGGTAA-C	TAGAGATCCC	TCAGACCACT	--TGTGGTAG	T-GTGAAA---	AATCTCTAGC

	105	115	125	135	145	155	165	175	185	195
B.FR.83.HXB2_LAI_IIIB_BRU.K034	AG-TGGCGGCC	CGAACACAGG--			--GACCTGA	AA-GCGAAAG	GGAAA			
A1.CD.02.02CD_KTB035.AM000055	AT-TGGCGGCC	CAACACAGG--			--GACTCGA	AA-GCGAAAG	TT			
A1.CD.97.97CD_KCC2.AM000053	AG-TGGCGGCC	CGAACACAGGGA	CTCG		--AAAGCGA	AA-GTAAAG	TT			
A1.ES.05.X1608_8.FJ670519	AG-TGGCGGCC	CGAACACAGG--			--GACTCGA	AA-GCGAAAG	TT			
A1.TT.02.60000.EU861977	AG-TGGCGGCC	CGAACACAGG--			--GACTCGA	AA-GCGAAAG	TT			
A1.KE.01.ML1901PCR2.EU110095						--TG	TT			
A1.KE.01.ML1945.EU110088						--T	TT			
A1.KE.02.ML1990.EU110092						--T	TT			
A1.KE.02.ML2014.EU110094						--T	TT			
A1.KE.86.ML170_1986.AF539405					--GGA	AA-GCGAAAG	TT			
A1.KE.94.Q23_17.AF004885	AG-TGGCGGCC	CGAACACAGG--			--GACTCGA	AA-GCGAAAG	TT			
A1.KE.97.ML013_2.AY322185	AG-TGGCGGCC	CGAACACAGG--			--GACTCGA	AA-GCGAAAG	TT			
A1.KE.97.ML605_3.AY322190	AG-TGGCGGCC	CGAACACAGGGA	CTTGAAA-GC	GAAAGTAAGC	AGGGACTCGA	AA-GCGAAAG	TT			
A1.KE.97.ML752.AY322193	AG-TGGCGGCC	CGAACACAGG--			--GACTTGA	AA-GCGAAAG	TT			
A1.RU.00.RU00051.EF545108										
A1.RU.05.RU_560_1125_JA.JQ2928										
A1.RU.06.RU_915_1016.JQ292896	AG-TGGCGGCC	CGAACACAGG--			--GACTCGA	AA-GCGAAAG	TT			
A1.RU.06.RU_915_1035.JQ292897	AG-TGGCGGCC	CGAACACAGG--			--GACTTGA	AA-GCGAAAG	TT			
A1.RU.06.RU_915_1038.JQ292898	AG-TGGCGGCC	CGAACACAGG--			--GACTTGA	AA-GCGAAAG	TT			
A1.RU.06.RU_915_1041.JQ292899	AG-TGGCGGCC	CGAACACAGG--			--GACTCGA	AA-GCGAAAG	TT			
A1.RU.06.RU_SP_B_049.JQ292900	AG-TGGCGGCC	CGAACACAGG--			--GACTTGA	AA-GCGAAAG	TT			
A1.RU.07.IrKutsk_5.JQ292891										
A1.RU.08.PokAlRu.FJ864679	AG-TGGCGGCC	CGAACACAGGGA	CTTGAAA-GC	GAAAGTTAAC	AGGGACTCGA	AA-GCGAAAG	TT			
A1.RU.08.RUA001.JQ292893	AG-TGGCGGCC	CGAACACAGG--			--GACTCGA	AA-GCGAAAG	TT			
A1.RU.08.RUA007.JQ292894	AG-TGGCGGCC	CGAACACAGG--			--GACTCGA	AA-GCGAAAG	TT			
A1.RU.10.10RU6617.JX500696	AG-TGGCGGCC	CGAACACAGG--			--GACTTGA	AA-GCGAAAG	TG--TT			
A1.RU.10.10RU6792.JX500695	AG-TGGCGGCC	CGAACACAGG--			--GACTCGA	AA-GCGAAAG	TT			
A1.RU.11.11RU6950.JX500694	AG-TGGCGGCC	CGAACACAGG--			--GACTTGA	AA-GCGAAAG	TT			
A1.RW.07.pR463F.JX236677	AG-TGGCGGCC	CGAACACAGGGA	CTTGAAA-GT	GAAAGTTAAT	AGGGACTTGA	AA-GCGAAAG	TT			
A1.RW.07.pR880F.JX236678	AG-TGGCGGCC	CGAACACAGG--			--GACTTGA	AA-GCGAAAG	TG--TT			
A1.RW.92.92RW008.AB253421	AG-TGGCGGCC	CGAACACAGGGA	CTTGAAA-AG	CGAAAGTAAC	AGGGACTCGA	AA-GCGAAAG	TT			
A1.RW.92.92RW025A.AB287376	AG-TGGCGGCC	CGAACACAGG--			--GACTCGA	AA-GCGAAAG	TAAGA			
A1.RW.93.93RW037A.AB287379	AG-TGGCGGCC	CGAACACAGG--			--GACTCGA	AA-GCGAAAG	TT			
A1.SE.95.UGSE8131.AF107771	AG-TGGCGGCC	CGAACACAGGGA	CCCGAAA-AG	TGAAAGTAAT	AGGGACTCGA	AA-GCGAAAG	TT			
A1.TZ.97.97TZ03.AF361873		--GGAC	CCTAA--AG	TGAAAGTAAT	AGGGACTCGA	AA-GCGAAAG	TT			
A1.UA.00.98UA0116.AF413987	AG-TGGCGGCC	CGAACACAGG--			--GACTCGA	AA-GCGAAAG	TT			
A1.UG.07.p191084.JX236669	AG-TGGCGGCC	CGAACACAGG--			--GACTCGA	AA-GCGAAAG	TG--TT			
A1.UG.07.p191845.JX236671	AG-TGGCGGCC	CGAACACAGGGA	CTTTAAAGC	GAAAGT-AAC	AGGGACTCGA	AA-GCGAAAG	TT			
A1.UG.07.p9004SDM.JX236676	AG-TGGCGGCC	CGAACACAGG--			--GACTTGA	AA-GCGAAAG	TT			
A1.UG.85.U455_U455A.M62320	AG-TGGCGGCC	CGAACACAGG--			--GACTCGA	AA-GCGAAAG	TT			
A1.UG.92.92UG037.AB253429	AG-TGGCGGCC	CGAACACAGGGA	CTTGAAA-GC	GAAAGT-AAT	AGGGACTCGA	AA-GCGAAAG	TT			
A1.UG.92.UG029.AB098333	AG-TGGCGGCC	CGAACACAGG--			--GACTCGA	AA-GCGAAAG	TT			
A1.UG.x.UG031.AB098331	AG-TGGCGGCC	CGAACACAGG--			--GACTCGA	AA-GCGAAAG	TT			
A1.UG.x.UG275.AB485632	AG-TGGCGGCC	CGAACACAGG--			--GACTCGA	AA-GCGAAAG	TT			
A1.ZA.04.04ZASK162B1.DQ396400	AG-TGGCGGCC	CGAACACAGG--			--GACTCGA	AA-GCGAAAG	TT			
A2.CD.97.97CDKTB48.AF286238					--TTTTTCG	AA-GCGAAG-	TA			
A2.CY.94.94CY017_41.AF286237	AA-AGCGAAA	GTAACACAGG--			--GACTCGA	AA-GCGAAAG	TT			
B.AU.86.MBC200.AF042100	AG-TGGCGGCC	CGAACACAGG--			--GACTTGA	AA-GCGAAAG	GAAAA			
B.AU.87.MBC925.AF042101	AG-TGGCGGCC	CGAACACAGG--			--GACTTGT	AA-GCGAAAG	AGAAA			
B.AU.95.C24.AF538304	AG-TGGCGGCC	CGAACACAGG--			--GACTTGA	AA-GCGAAAG	AGAAA			
B.AU.95.C42.AF538305	AG-TGGCGGCC	CGAACACAGG--			--GACCCGA	AA-GCGAAAG	AAAAA			
B.AU.95.C76.AF538306	AG-TGGCGGCC	CGAACACAGG--			--GTCTTGA	AA-GCGAAAG	AGAAA			
B.AU.95.C92.AF538307	AG-TGGCGGCC	CGAACACAGG--			--GACTTGA	AA-GCGAAAG	AGAAA			
B.AU.95.MBCC54.AF042103	-----CC	CGAACACAGG--			--GACTTGA	AA-GCGAAAG	AGAAA			
B.AU.96.MBCC98.AF042104					--G	GAAA				
B.AU.96.MBCD36.AF042105		--ACAGG			--GACTTGA	AA-GCGAAAG	GGAAA			
B.AU.99.1181.AF538302	AG-TGGCGGCC	CGAACACAGG--			--GACTTGA	AA-GCGAAAG	AGAAA			
B.AU.x.2870718.AY857022										
B.AU.x.9125091.AY857165										
B.AU.x.VH_VHPCR.AF146728										
B.BO.09.DEMB09B0001.JX140656	-G-TGGCGGCC	CGAACACAGG--			--GACTTGA	AA-GCGAAAG	TAGAA			
B.BR.02.02BR008.DQ358808	AG-TGGCGGCC	CGAACACAGG--			--GACTTGA	AA-GTGAAG	TAGAA			
B.BR.02.02BR011.DQ358809	AG-TGGCGGCC	CGAACACAGG--			--GACTTGA	AA-GCGAAAG	TAGAA			
B.BR.02.02BR013.DQ358810	AG-TGGCGGCC	CGAACACAGG--			--GACTAGA	AA-GCGAAAG	TAGAC			
B.BR.02.02BR1013.JN692432	AG-TGGCGGCC	CGAACACAGG--			--GACCCGA	AA-GCGAAAG	TAGAA			
B.BR.02.02BR2025.JN692435	AG-TGGCGGCC	CGAACACAGG--			--GACCCGA	AAAGCGAAAG	TAGAA			
B.BR.02.02BR2032.JN692439						--T				
B.BR.02.02BR2033.JN692440	AG-TGGCGGCC	CGAACACAGG--			--GACTTGA	AAAGCGAAAG	TAAAA			
B.BR.02.02BR2041.JN692443	AG-TGGCGGCC	CGAACACAGG--			--GACTTGA	AA-ACGAAAG	TAGAA			
B.BR.02.02BR2042.JN692444	AG-TGGCGGCC	CGAACACAGG--			--GACCCGA	AA-GCGAAAG	TAGAA			
B.BR.02.04BR1064.JN692433	AG-TGGCGGCC	CGAACACAGG--			--GACTAGA	AA-GCGAAAG	TAAAA			
B.BR.02.05BR1094.JN692470	AG-TGGCGGCC	CGAACACAGG--			--GACGCGA	AA-GCGAAAG	TAGAA			
B.BR.03.03BR1020.JN692445	AG-TGGCGGCC	CGAACACAGG--			--GACCTTA	AAAGCGAAAG	TAGAA			
B.BR.03.03BR1046.JN692447	AG-TGGCGGCC	CGAACACAGG--			--GACGTGA	AA-GCGAAAG	TAGAA			
B.BR.03.BREPM1023.EF637057	AG-TGGCGGCC	CGAACACAGG--			--GACTTGA	AA-GCGAAAG	GAGAA			
B.BR.03.BREPM1024.EF637056	AG-TGGCGGCC	CGAACACAGG--			--GACTTGA	AA-GCGAAAG	TAGAA			
B.BR.03.BREPM1027.EF637054	AG-TGGCGGCC	CGAACACAGG--			--GACTTGA	AA-GCGAAAG	TAAAA			
B.BR.03.BREPM1028.EF637053					--CTTGA	AA-GCGAAAG	TAGAA			
B.BR.03.BREPM1032.EF637051										
B.BR.03.BREPM1033.EF637050	AG-TGGCGGCC	CGAACACAGG--			--GACTCGA	AA-GCGAAAG	TAGAA			
B.BR.03.BREPM1035.EF637049										
B.BR.03.BREPM1038.EF637048	AG-TGGCGGCC	CGAACACAGG--			--GACTTGA	AA-GCGAAAG	TAAAG			
B.BR.03.BREPM1040.EF637047	AG-TGGCGGCC	CGAACACAGG--			--GACTAGA	AA-ACGAAAG	TAGAA			
B.BR.03.BREPM2012.EF637046	AG-TGGCGGCC	CGAACACAGG--			--GACTTGA	AA-GCGAAAG	TAAAG			
B.BR.04.04BR1047.JN692450	AG-TGGCGGCC	CGAACACAGG--			--GACTTGG	AA-GCGAAAG	TAGAA			
B.BR.04.04BR1049.JN692451	AG-TGGCGGCC	CGAACACAGG--			--GACGCGA	AA-GCGAAAG	TAAAG			
B.BR.04.04BR1051.JN692452	AG-TGGCGGCC	TGAACACAGG--			--GACCCGA	AA-GCGAAAG	TAGAA			
B.BR.04.04BR1054.JN692453	AG-TGGCGGCC	CGAACACAGG--			--GACTTGA	AA-GCGAAAG	TAAAG			
B.BR.04.04BR1055.JN692454	AG-TGGCGGCC	CGAACACAGG--			--GACGCGA	AA-GCGAAAG	TAGAA			
B.BR.04.04BR1057.JN692455	AG-TGGCGGCC	CGAACACAGG--			--GACTTGA	AA-ACGAAAG	TAGAA			
B.BR.04.04BR1068.JN692457	AG-TGGCGGCC	--GAAAGG			--GACCCGA	AA-GCGAAAG	TAGAA			
B.BR.04.BREPM1066.FJ195090	AG-TGGCGGCC	CGAACACAGG--			--GACTCGA	AA-ACGAAAG	TAGAA			
B.BR.04.BREPM1070.FJ195086	GG-TGGCGGCC	GGACACAGG--			--GCCTTGA	AA-AGGAAAT	AAGAA			
B.BR.05.05BR1077.JN692460						--T				
B.BR.05.05BR1078.JN692461						--AACTC	TTAAT			
B.BR.05.05BR1079.JN692462	AG-TGGCGGCC	CGAACACAGG--			--GACTTGA	AA-GTGAAG	CGGAA			
B.BR.05.05BR1080.JN692463						--T				
B.BR.05.05BR1082.JN692465	AG-TGGCGGCC	CGAACACAGG--			--GACTTGA	AA-GCGAAAG	TGAGA			
B.BR.05.05BR1089.JN692467						--T				
B.BR.05.05BR1092.JN692468	AG-TGGCGGCC	CGAACACAGG--			--GACTTAA	AA-GCGAAAG	TAGAA			
B.BR.05.05BR1095.JN692471	AG-TGGCGGCC	CGAACACAGG--			--GACTTGA	AA-GCGAAAG	TGAGA			
B.BR.05.05BR1101.JN692473	AG-TGGCGGCC	CGAACACAGG--			--GACCCGA	AA-ACGAAAG	TAAAA			
B.BR.05.05BR1104.JN692474	AG-TGGCGGCC	CGAACACAGG--			--GACTTGA	AA-GTGAAG	TAGAA			

B.BR.05.05BR1107.JN692475	AG-TGGCGCC	CGAACAGG--	--GACTCGA	AA-GCGAAAG	TAAAG----
B.BR.05.BREPM1081.FU195091	AG-TGGCGCC	CGAACAGG--	--GACTTGA	AA-ACGAAAG	TAAAA---
B.BR.05.BREPM1084.FU195088	AG-TGGCGCC	CGAACAGG--	--GACTTGA	GA-GCGAAAG	TAGAAA-
B.BR.05.BREPM1093.FU195089	AG-TGGCGCC	CGAACAGG--	--GACCTGA	AA-GCGAAAG	TAGAAA-
B.BR.06.06BR1115.JN692479	AG-TGGCGCC	CGAACAGG--	--GACCCGA	AA-GCGAAAG	TAGAAA-
B.BR.06.06BR1119.JN692480	AG-TGGCGCC	CGAACAGG--	--GACTTGA	AA-GCGAAAG	TAAAG---
B.CA.06.502_1027_wg01.JF320413	AG-TGGCGCC	CGAACAGG--	--GACTTGA	AA-ACGAAAG	AGAAA--
B.CA.06.502_1799_FL02.JF320427	AG-TGGCGCC	CGAACAGG--	--GACCCGA	AA-GCGAAAG	AGAAA--
B.CA.07.502_1191_03.JF320424	AG-TGGCGCC	CGAACAGG--	--GACCCGA	AA-GCGAAAG	TAGAAA-
B.CA.96.WC10C_4_AY314056	AG-TGGCGCC	CGAACAGG--	--GACTTGA	AA-GCGAAAG	AGAAA--
B.CA.97.CANB3FULL.AY779553	-----	-----	-----	-----	-----
B.CH.03.HIV_CH_BID_V4470_2003.	-----	-----	-----	-----	-----
B.CN.01.CNHN24.AY180905	AG-TGGCGCC	CGAACAGG--	--GACTAGA	AA-GCGAAAG	TGAGA--
B.CN.02.02HNsc11.DQ007903	AG-TGGCGCC	CGAACAGG--	--GACCTGA	AA-GCGAAAG	TGAGA--
B.CN.03.SHXDC0081.JF932492	AG-TGGCGCC	CGAACAGG--	--GACCTGA	AA-GCGAAAG	TGAGA--
B.CN.05.05CNHB_hp3.DQ990880	AG-TGGCGCC	CGAACAGG--	--GACGCGA	AA-GCGAAAG	TGAGA--
B.CN.06.CC056.JF932482	AG-TGGCGCC	CGAACAGG--	--GACTTGA	AA-ACGAAAG	TGAGA--
B.CN.07.AH070011.JF932468	-----	-----	-GGGACTTGA	AA-GCGAAAG	TGAGA--
B.CN.07.AH070014.JF932469	AG-TGGCGCC	CGAACAGG--	--GACTTGA	AA-ACGAAAG	TGAGA--
B.CN.07.AH070017.JF932470	AG-TGGCGCC	CGAACAGG--	--GACTTGA	AA-GCGAAAG	TGAGA--
B.CN.07.AH070018.JF932471	AG-TGGCGCC	CGAACAGG--	--GACTTGA	AA-ACGAAAG	TAGAAA-
B.CN.07.AH070057.JF932472	AG-TGGCGCC	CGAACAGG--	--GACCTGA	AA-GCGAAAG	TAGAAA-
B.CN.07.BJ070030.JF932473	AG-TGGCGCC	CGAACAGG--	--GACTTGA	AA-GCGAAAG	TAGAAA-
B.CN.07.CBJC261.JF932474	AG-TGGCGCC	CGAACAGG--	--GACGCGA	AA-GCGAAAG	TGAGA--
B.CN.07.CBJC392.JF932475	AG-TGGCGCC	CGAACAGG--	--GACCTGA	AA-GCGAAAG	TGAGA--
B.CN.07.CBJC394.JF932476	AG-TGGCGCC	CGAACAGG--	--GACTTGA	AA-GCGAAAG	TGAGA--
B.CN.07.CBJC396.JF932477	AG-TGGCGCC	CGAACAGG--	--GACCCGA	AA-GCGAAAG	TAGAAA-
B.CN.07.GS070017.JF932484	-----	--ACAGG--	--GACGCGA	AA-ACGAAAG	TGAGA--
B.CN.07.GZ070002.JF932485	-----	--ACAGG--	--GACTTGA	AA-GCGAAAG	TGAGA--
B.CN.07.GZ070030.JF932486	AG-TGGCGCC	CGAACAGG--	--GACGCGA	AA-GCGAAAG	TAGAAA-
B.CN.07.HB070006.JF932487	-----	--CAGG--	--GACTTGA	AA-GCGAAAG	TGAGA--
B.CN.07.HB070022.JF932488	AG-TGGCGCC	CGAACAGG--	--GACTTGA	AA-GCGAAAG	TAGAAA-
B.CN.07.HB070035.JF932489	AG-TGGCGCC	CGAACAGG--	--GACTTGA	AA-GCGAAAG	TGAGA--
B.CN.07.JL070038.JF932490	-----	-----	-----	-----	-----
B.CN.07.SX070080.JF932493	-----	-----	AGGGGACTGA	AA-GCGAAAG	TGAGA--
B.CN.07.hb070025.JF932499	AG-TGGCGCC	CGAACAGG--	--GACTTGA	AA-GCGAAAG	TAGAAA-
B.CN.07.hen1345.JF932500	AG-TGGCGCC	CGAACAGG--	--GACGCGA	AA-GCGAAAG	TGAGA--
B.CN.08.CBJC476.JF932478	AG-TGGCGCC	CGAACAGG--	--GACTTGA	AA-GCGAAAG	TGAGA--
B.CN.08.CBJC489.JF932479	AG-TGGCGCC	CGAACAGG--	--GACGCGA	AA-GCGAAAG	TGAGA--
B.CN.08.CBJC500.JF932480	AG-TGGCGCC	CGAACAGG--	--GACTTGA	AA-GCGAAAG	TGAGA--
B.CN.08.CBJC503.JF932481	AG-TGGCGCC	CGAACAGG--	--GACTTGA	AA-GCGAAAG	TGAGA--
B.CN.08.cbjc468.JF932498	AG-TGGCGCC	CGAACAGG--	--GACTTGA	AA-GTGAAAG	TGAGA--
B.CN.09.YN09P0014.JF932494	AG-TGGCGCC	CGAACAGG--	--GACTTGA	AA-GCGAAAG	TGAGA--
B.CN.09.ZK042.JF932497	AG-TGGCGCC	CGAACAGG--	--GACTTGA	AA-GCGAAAG	TGAGA--
B.CN.10.DEMB10CN002.JX140658	AG-TGGCGCC	CGAACAGG--	--GACCTGA	AA-GCGAAAG	TAGAAA-
B.CN.98.YN9802.JF932495	AG-TGGCGCC	CGAACAGG--	--GACGCGA	AA-GCGAAAG	TGAGA--
B.CN.98.YN9838.JF932496	---TGGCGCC	CGAACAGG--	--GACTTGA	AA-ACGAAAG	TGAGA--
B.CN.99.plwj.GUI77863	AG-TGGCGCC	CGAACAGG--	--GACGCGA	AA-GCGAAAG	TGAGA--
B.CN.x.RL42.U71182	AG-TGGCGCC	CGAACAGG--	--GACTTGA	AA-GCGAAAG	TGAGA--
B.CU.99.Cu19.AY586542	AG-TGGCGCC	CGAACAGG--	-----	-----	-----
B.CU.99.Cu43.AY586543	AG-TGGCGCC	CGAACAGG--	--GACTTGA	AA-GTGAAAG	TAGAAA-
B.DE.86.D31.U43096	AG-TGGCGCC	CGAACAGG--	--GACTTGA	AA-GTGAAAG	TAGAAA-
B.DE.86.HAN.U43141	AG-TGGCGCC	CGAACAGG--	--GACTTGA	AA-GCGAAAG	TAGAAA-
B.DK.01.CTL_016.EF514704	-----	--AC-AG-	--GACCCGA	AA-GCGAAAG	AGAAA--
B.DK.01.CTL_017.EF514705	AG-TGGCGCC	CGAACACAG-	GGACTTGA	AA-GCGAAAG	AGAAA--
B.DK.01.CTL_018.EF514706	AG-TGGCGCC				

B. JP. 05. DR6737. AB287364	AG-TGGCGCC TGAACAGG--	---GACCTGA AA-ACGAAAG CGGAA----	-----
B. JP. 05. DR7060. AB287366	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-ACGAAAG TAGAA----	-----
B. JP. 05. DR7065. AB287368	AG-TGGCGCC CGAACAGG--	---GACCTTGA AA-GCGAAAG TGGAA----	-----
B. JP. 98. DR1120. AB480698	AG-TGGCGCC CGAACAGG--	---GACCCGA AA-TCGAAAG TAGAA----	-----
B. JP. 99. DR1348. AB287370	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAAAG----	-----
B. JP. x. DR1673. AB564745	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG AGAAG----	-----
B. JP. x. DR1712. AB604946	AG-TGGCGCC CGAACAGG--	---GACCCGA AA-GCGAAAG CGGAA----	-----
B. JP. x. DR1777. AB604948	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAGAA----	-----
B. JP. x. JRC03B. AB565496	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-ACGAAAG TAAAG----	-----
B. JP. x. JRC05B. AB565497	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG CAAAA----	-----
B. JP. x. JRC65B. AB565502	AG-TGGCGCC CGAACAGG--	---GACCGGA AA-ACGAAAG TGAGA----	-----
B. JP. x. pJPD0796B02. AB565478	AG-TGGCGCC CGAACAGG--	---GACCCGA AA-GCGAAAG TAGAA----	-----
B. JP. x. pJRC57B09. AB641836	AG-TGGCGCC CGAACAGG--	---GACCCGA AA-ACGAAAG TAGAA----	-----
B. KR. 02. 020SG1. JQ429433	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGACAG TAGAA----	-----
B. KR. 03. 03HJY8. JQ316131	AG-TGGCGCC CGAACAGG--	---GGCTTGA AA-GCGAAAG TAGAA----	-----
B. KR. 03. 03KDE11. JQ316128	AG-TGGCGCC CGAACAGG--	---GACGCGA AA-GCGAAAG TAGAA----	-----
B. KR. 03. 03KGS5. JQ316132	AG-TGGCGCC CGAACAGG--	---GACCAGA AA-GCGAAAG TAGAA----	-----
B. KR. 03. 03LSH1. JQ316127	AG-TGGCGCC CGAACAGG--	---GACCCGA AA-GCGAAAG TAGAA----	-----
B. KR. 03. 03YGS3. JQ316135	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GTGAAG TAGAA----	-----
B. KR. 04. 04CWS5. JQ316133	AG-TGGCGCC CGAACAGG--	---GACCCGA AA-ACGAAAG TAGAA----	-----
B. KR. 04. 04KJS8. JQ316130	AG-TGGCGCC CGAACAGG--	---GACGCGA AA-GCGAAAG TAGAA----	-----
B. KR. 04. 04KMH5. DQ295193	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAGAA----	-----
B. KR. 04. 04KMK5. JQ316126	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAGAA----	-----
B. KR. 04. 04LHS6. AY839827	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TGTGA----	-----
B. KR. 04. 04LSK7. DQ295192	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAGAA----	-----
B. KR. 04. 04WK7_HIV_1_wk. DQ29519	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-ACGAAAG TAGAA----	-----
B. KR. 05. 05CSR3. DQ837381	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG GAAAA----	-----
B. KR. 05. 05YJN2. JQ316134	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-ACGAAAG TAGAA----	-----
B. KR. 07. 07KYY4. JQ341411	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAGTA----	-----
B. KR. 99. 99HYH2. JQ316129	AG-TGGCGCC CGAACAGG--	---GACCGAGA AA-GCGAAAG TAGAA----	-----
B. MM. 99. mSTD101. AB097870	AG-TGGCGCC CGAACAGG--	---GACGCGA AA-GCGAAAG TAAAG----	-----
B. NL. 00. 671_00T36. AY423387	AG-TGGCGCC CGAACAGG--	---GACTTGA AG---AAAG TAAAA----	-----
B. NL. 86. 3202A21_ACH3202A21_U34	AG-TGGCGCC CGAACAGG--	---GACGCGA AA-GCGAAAG AGAAA----	-----
B. NL. 96. H434_42_A1. AY970948	AA-TGGCGCC CGAACAGG--	---GACGCGA AA-GCGAAAG TAGAA----	-----
B. PE. 06. 502_0491_wg5. JF320183	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG GGAAA----	-----
B. PE. 06. 502_0524_FL04. JF320008	---	---A AA-GCGAAAG CAAAA----	-----
B. PE. 06. 502_0648_FL02. JF320215	AG-TGGCGCC CGAACAGG--	---GACCCGA AA-GCGAAAG AGAAA----	-----
B. PE. 06. 502_0841_FL04. JF320208	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG AGAAA----	-----
B. PE. 06. 502_2794_FL05. JF320244	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAAA----	-----
B. PE. 07. 502_0525_wg5. JF320191	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GTGAAG TAAAA----	-----
B. PE. 07. 502_1047_wg5. JF320226	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAGTA----	-----
B. PE. 07. 502_1399_wg4. JF320013	AG-TGGCGCC CGAACAGG--	---GACCCGA AA-GCGAAAG TAGAA----	-----
B. PE. 07. 502_2254_FL6. JF320018	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG AGAAA----	-----
B. PE. 07. 502_2349_wg2. JF320028	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TTGAA----	-----
B. PE. 07. 502_2622_wg1. JF320189	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-ACGAAAG CAGAA----	-----
B. PE. 07. 502_2649_wg8. JF320019	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAGAA----	-----
B. RU. 04. 04RU128005. AY682547	AG-TGGCGCC CGAACAGG--	---GACYVGA AA-GCGAAAG AGAAA----	-----
B. RU. 04. 04RU129005. AY751406	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GTGAAG GCGAA----	-----
B. RU. 04. 04RU139089. AY751407	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAGAA----	-----
B. RU. 04. 04RU139095. AY819715	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAGAA----	-----
B. RU. 09. 09RU4457. JX500709	AG-TGGCGCC CGAACAGG--	---GACCCGA AAAGTGAAAG TAAAA----	-----
B. RU. 10. 10RU6629. JX500707	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG AGAAA----	-----
B. RU. 11. 11RU21n. JX500708	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GTGAAG TAAA----	-----
B. TH. 06. AA010a_WG3. JX446800	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAAA----	-----
B. TH. 07. AA040a_WG11. JX447156	---	---GGACTTGA AA-ACGAAAG TGAGA----	-----
B. TH. 90. BK132. AY173951	---	---GGACTTGA AA-GCGAAAG AGAAA----	-----
B. TW. 94. TWYCS_LM49. AF086817	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCAAAAG AGAAA----	-----
B. US. 00. 14294_1. DQ853436	AG-TGGCGCC CGAACAGG--	---GACGCGA AA-GCGAAAG TAGAA----	-----
B. US. 00. ES1_20. EF363123	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG AGAAA----	-----
B. US. 00. RHPA_TF1. JN944917	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG AGAAA----	-----
B. US. 00. THRO_TF1. JN944930	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-ACGAAAG CAGAA----	-----
B. US. 00. WITO_f1B3. FJ496169	AG-TGGCGCC CGAACAGG--	---GACCTAA AA-GCGAAAG TAAAA----	-----
B. US. 01. REJO_TF1. JN944911	AG-TGGCGCC CGAACAGG--	---GACCCGA AA-GTGAAG TGAAT----	-----
B. US. 01. TRJO_f1A1. FJ496151	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG GGAAA----	-----
B. US. 02. 04013226_2_f1H11. FJ496	AG-TGGCGCC CGAACAGG--	---GACCCGA AA-GCGAAAG AGAAA----	-----
B. US. 04. ES10_53. EF363127	AG-TGGCGCC CGAACAGG--	---GACACGA AA-GCGAAAG AGAAA----	-----
B. US. 04. ES4_24. EF363124	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG GGAAA----	-----
B. US. 04. ES8_43. EF363126	AG-TGGCGCC CGAACAGG--	---GACCCGA AA-GCGAAAG AGAAA----	-----
B. US. 04. SAMI_WGA1. EU547186	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAGAA----	-----
B. US. 04. USPI71101EI7y04051pcWG	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG AGAAA----	-----
B. US. 04. USPI83747EI6y04121pcWG	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG AGAAA----	-----
B. US. 05. 04013396_0_f1B6. FJ4960	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG AGAAA----	-----
B. US. 05. 502_0223_wg1. JF320059	AG-TGGCGCC CGAACAGG--	---GACCCGA AA-GCGAAAG AGAAA----	-----
B. US. 05. 502_1400_FL02. JF320043	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG AGAAA----	-----
B. US. 05. 502_2136_FL02. JF320185	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG AGAAA----	-----
B. US. 05. 502_2495_wg02. JF320054	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG AGAAA----	-----
B. US. 05. CR0307R. FJ469717	AG-TGGCGCC CGAACAGG--	---GACGCGA AA-GCGAAAG TAGAA----	-----
B. US. 05. USPI38417EI33y05051pcW	AG-TGGCGCC CGAACAGG--	---GACTTGA AAAGCGAAAG TAAAA----	-----
B. US. 05. USPI88403EI14y05121pcW	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG AGAAA----	-----
B. US. 06. 502_0341_FL05. JF320003	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG AGAAA----	-----
B. US. 06. 502_1046_FL04. JF320564	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAAAG----	-----
B. US. 06. 502_1174_FL09. JF320053	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAGAA----	-----
B. US. 06. 502_1211_FL01. JF320151	AG-TGGCGCC CGAACAGG--	---GACGCGA AA-GCGAAAG TAGAA----	-----
B. US. 06. 502_1619_FL06. JF320126	AG-TGGCGCC CGAACAGG--	---GACCCGA AA-GTGAAG AAGAA----	-----
B. US. 06. 502_2667_FL03. JF320145	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG AGAAA----	-----
B. US. 06. CH106_TF1. JN944897	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-ACGAAAG TAGAA----	-----
B. US. 06. CH40E_f1A1. FJ495818	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GTGAAG AGAAA----	-----
B. US. 06. CH58E_f1A9. FJ495941	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAGAA----	-----
B. US. 06. CH77E_f1A1. FJ496000	AG-TGGCGCC CGAACAGG--	---GACGCGA AA-GCGAAAG AGAAA----	-----
B. US. 07. 502_0364_wg2. JF320563	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG AGAAA----	-----
B. US. 07. 502_1115_wg1. JF320045	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GTGAAG AGAAA----	-----
B. US. 07. 502_1478_wg4. JF320150	AG-TGGCGCC CGAACAGG--	---GACGCGA AA-GCGAAAG TAGGA----	-----
B. US. 07. 502_1897_wg6. JF320182	AG-TGGCGCC CGAACAGG--	---GACCCGA AA-GCGAAAG TAAAA----	-----
B. US. 07. 502_2289_05. JF320197	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAGAA----	-----
B. US. 09. C1P. GU733713	AG-TGGCGCC CGAACAGG--	---GACCAGA AA-GCGAAAG TAGAA----	-----
B. US. 09. DEMB09US002. JX140657	---GCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG AGAAA----	-----
B. US. 10. CP1. JN397365	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG AGAAA----	-----
B. US. 10. VC1. JN397364	AG-TGGCGCC CGAACAGG--	---GACCCGA AA-GCGAAAG AGAAA----	-----
B. US. 11. ES38. JN397362	AG-TGGCGCC CGAACAGG--	---GACTTGA AAAGCGAAAG AGAAA----	-----
B. US. 83. 5018_83. AY835777	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAAAG----	-----
B. US. 83. 5157_83. AY835781	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAAAG----	-----
B. US. 83. RF_HAT3. M17451	AG-TGGCGCC CGAACAGG--	---GACCAGA AA-GCGAAAG TAGAA----	-----
B. US. 83. SF2_LAV2_ARV2. K02007	AG-TGGCGCC CGAACAGG--	---GACGCGA AA-GCGAAAG TAGAA----	-----
B. US. 84. 5019_84. AY835779	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAAAG----	-----
B. US. 84. MNCG_MN. M17449	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG AAAAA----	-----

B. US. 84. NY5CG. M38431	AG-TGGCGCC CGAACAGG--	---GACTTGA GA-GCGAAAG TAAAG----	-----	-----	-----
B. US. 84. SF33. AY352275	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GTGAAAG TTAA-----	-----	-----	-----
B. US. 85. 5077_85. AY835769	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAAAG----	-----	-----	-----
B. US. 85. Ba_1. AB221005	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG AGAAA-----	-----	-----	-----
B. US. 86. 5084_86. AY835775	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAAAG----	-----	-----	-----
B. US. 86. 5096_86. AY835749	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG GGAAA-----	-----	-----	-----
B. US. 86. 5127_86. AY835774	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAAAG----	-----	-----	-----
B. US. 86. AD87_ADA. AF004394	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GTGAAAG TAGAA-----	-----	-----	-----
B. US. 86. JRFL_JR_FL. U63632	-----	-----	-----	-----	-----
B. US. 86. YU_2. M93258	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG GAAAA-----	-----	-----	-----
B. US. 87. 5113_87. AY835758	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAAAG----	-----	-----	-----
B. US. 87. BC_BCSG3. L02317	AG-TGGCGCC CGAACAGG--	---GACCCGA AA-GCGAAAG AGAAA-----	-----	-----	-----
B. US. 88. 5160_88. AY835763	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAAAG----	-----	-----	-----
B. US. 88. WR27.AF286365	AG-TGGCGCC CGAACAGG--	---GACCTAA AA-GCGAAAG TAGAA-----	-----	-----	-----
B. US. 89. P896_89_6. U39362	AG-TGGCGCC CGAACAGG--	---GACCCGA AA-GCGAAAG AGAAA-----	-----	-----	-----
B. US. 90. US1. AY173952	-----	---GGACCTGA AA-GCGAAAG AGAAA-----	-----	-----	-----
B. US. 90. US2. AY173953	-----	---GGACTTGA AA-GCGAAAG GGAAA-----	-----	-----	-----
B. US. 90. US3. AY173954	-----	---GGACTAGA AA-GCGAAAG TAAAA-----	-----	-----	-----
B. US. 90. US4. AY173955	-----	---GGACCCGA AA-GCGAAAG TAGAA-----	-----	-----	-----
B. US. 90. WCIPR. U69591	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG GGAAA-----	-----	-----	-----
B. US. 90. WEAU160_GHOSH. U21135	AG-TGGCGCC CGAACAGG--	---GACCCGA AA-GCGAAAG GGAAA-----	-----	-----	-----
B. US. 91. 5048_91. AY835761	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAAAG----	-----	-----	-----
B. US. 91. DH12_3. AF069140	AG-TGGCGCC CGAACAGG--	---GACCCGA AA-GCGAAAG AGAAA-----	-----	-----	-----
B. US. 91. SUMA_1C5. FJ496145	AG-TGGCGCC CGAACAGG--	---GACCCGA AA-GCGAAAG AGAAA-----	-----	-----	-----
B. US. 93. WCD32P0793. DQ487188	AG-TGGCGCC CGAACAGG--	---GACGCTGA AA-GTGAAAG AGAAA-----	-----	-----	-----
B. US. 93. WCM32P0793. DQ487190	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG GAAAA-----	-----	-----	-----
B. US. 94. 5082_94. AY835773	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAAAG----	-----	-----	-----
B. US. 95. 5073_95. AY835768	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAAAG----	-----	-----	-----
B. US. 95. USPI90770E172y95091pcW	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-ACGAAAG AGAAA-----	-----	-----	-----
B. US. 96. 5155_96. AY835753	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAAAG----	-----	-----	-----
B. US. 96. USPI55751E132y96071pcW	AG-TGGCGCC CGAACAGG--	---GACCCGA AA-GCGAAAG TAGAA-----	-----	-----	-----
B. US. 97. ARES2. AB078005	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG AGAAA-----	-----	-----	-----
B. US. 98. 15384_1. DQ853463	AG-TGGCGCC CGAACAGG--	---GACGCGA AA-GCGAAAG TAAAA-----	-----	-----	-----
B. US. 98. 98USHVTN1925c1. AY56010	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG AGAAA-----	-----	-----	-----
B. US. 98. 98USHVTN3605c9. AY56010	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG AGAAA-----	-----	-----	-----
B. US. 98. 98USHVTN8229c6. AY56010	AG-TGGCGCC CGAACAGG--	---GACCCGA AA-GTGAAAG TAGGTGAA-----	-----	-----	-----
B. US. 98. 98USHVTN941c1. AY560110	AG-TGGCGCC CGAACAGG--	---GACCAGA AA-GCGAAAG TAGAA-----	-----	-----	-----
B. US. 98. WC3_0498_4. EF175212	AG-TGGCGCC CGAACAGG--	---GACTCGA AA-GCGAAAG TAGAA-----	-----	-----	-----
B. US. x. CR0059T. FJ469694	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG AGAAA-----	-----	-----	-----
B. US. x. sample_C_BID. D617. JX503	TT----- GAACAGG--	---GACTTGA AA-GTGAAAG TAGA-----	-----	-----	-----
B. VE. 10. DEMB10VE001. JX140659	----- GG-----	---GACGCGA AA-GCGAAAG TAGAA-----	-----	-----	-----
B. ZA. 03. 03ZAPS045MB2. DQ396398	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG AGAAA-----	-----	-----	-----
C. BR. 02. 02BR2022. JN692434	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAAGA-----	-----	-----	-----
C. BR. 04. 04BR013. AY727522	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAGAA-----	-----	-----	-----
C. BR. 04. 04BR021. AY727523	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAAGA-----	-----	-----	-----
C. BR. 04. 04BR038. AY727524	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAGAA-----	-----	-----	-----
C. BR. 04. 04BR073. AY727525	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAAGA-----	-----	-----	-----
C. BR. 07. DEMC07BR003. JX140663	----CC CGAACAGG--	---GACTCGA AA-GCGAAAG TAAGA-----	-----	-----	-----
C. BR. 92. BR025_d. U52953	-----	---GACTTGA AA-GCGAAAG TAAGA-----	-----	-----	-----
C. BR. 98. 98BR004. AF286228	-----	---TTGA AA-GTGAAAG TAAGA-----	-----	-----	-----
C. BW. 00. 00BW07621. AF443088	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GTGAAAG TAAGA-----	-----	-----	-----
C. BW. 00. 00BW076820. AF443089	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAAGA-----	-----	-----	-----
C. BW. 00. 00BW087421. AF443090	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAAGA-----	-----	-----	-----
C. BW. 00. 00BW147127. AF443091	AG-TGGCGCC CGAACAGG--	---GACGCGA AA-GCGAAAG TAGGA-----	-----	-----	-----
C. BW. 00. 00BW16162. AF443092	AG-TGGCGCC CGAACAGG--	---GACCTGA AA-GCGAAAG TAAGA-----	-----	-----	-----
C. BW. 00. 00BW1686. AF443093	AG-TGGCGCC CGAACAGG--	---GACGCGA AA-GCGAAAG TGAGA-----	-----	-----	-----
C. BW. 00. 00BW17593. AF443094	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAAGA-----	-----	-----	-----
C. BW. 00. 00BW17732. AF443095	---TGGCGCC CGAACAGG--	---GACGCGA AA-GCGAAAG TAGAA-----	-----	-----	-----
C. BW. 00. 00BW17835. AF443096	AG-TGGCGCC CGAACAGG--	---GACCCGA AA-GCGAAAG TAAGA-----	-----	-----	-----
C. BW. 00. 00BW17956. AF443097	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAGAA-----	-----	-----	-----
C. BW. 00. 00BW18113. AF443098	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GTGAAAG TAAGA-----	-----	-----	-----
C. BW. 00. 00BW18595. AF443099	AG-TGGCGCC CGAACAGG--	---GGCTTGA AA-GCGAAAG TAAGA-----	-----	-----	-----
C. BW. 00. 00BW18802. AF443100	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAAGA-----	-----	-----	-----
C. BW. 00. 00BW192113. AF443101	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-AGCGAAA GTAAA-----	-----	-----	-----
C. BW. 00. 00BW20361. AF443102	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAGAA-----	-----	-----	-----
C. BW. 00. 00BW20636. AF443103	AG-TGGCGCC CGAACAGG--	---GACCCGA AG-GCGAAAG TAAGA-----	-----	-----	-----
C. BW. 00. 00BW20872. AF443104	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAAGA-----	-----	-----	-----
C. BW. 00. 00BW2127214. AF443105	AG-TGGCGCC CGAACAGG--	---GACCCGA AA-ACGAAAG TGAGA-----	-----	-----	-----
C. BW. 00. 00BW22767. AF443107	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG CAAGA-----	-----	-----	-----
C. BW. 00. 00BW38193. AF443108	AG-TGGCGCC CGAACAGG--	---GC-CTGA AA-GCGAAAG TAAGA-----	-----	-----	-----
C. BW. 00. 00BW38428. AF443109	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCAAAAG TGAAG-----	-----	-----	-----
C. BW. 00. 00BW38713. AF443110	AG-TGGCGCC CGAACAGG--	---GACCTGA AA-GCGAAAG TAAGA-----	-----	-----	-----
C. BW. 00. 00BW3876_9. AF443111	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAAGA-----	-----	-----	-----
C. BW. 00. 00BW3886_8. AF443112	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GTGAAAG TAAGA-----	-----	-----	-----
C. BW. 00. 00BW3891_6. AF443113	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAAGA-----	-----	-----	-----
C. BW. 00. 00BW3970_2. AF443114	AG-TGGCGCC CGAACAGG--	---GACGCGA AA-GCGAAAG TAAGA-----	-----	-----	-----
C. BW. 00. 00BW5031_1. AF443115	G-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAAGA-----	-----	-----	-----
C. BW. 96. 96BW01B03. AF110959	AG-TGGCGCC CGAACAGG--	---GACCTGA AA-GCGAAAG TAAGA-----	-----	-----	-----
C. BW. 96. 96BW0402. AF110962	AG-TGGCGCC CGAACAGG--	---GACGCGA AA-GTGAAAG TAAGA-----	-----	-----	-----
C. BW. 96. 96BW0502. AF110967	AG-TGGCGCC CGAACAGG--	---GACCAGA AA-GCGAAAG TAAAA-----	-----	-----	-----
C. BW. 96. 96BW06. AF290028	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAAGA-----	-----	-----	-----
C. BW. 96. 96BW1104. AF110969	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TGAGA-----	-----	-----	-----
C. BW. 96. 96BW1210. AF110972	AG-TGGCGCC CGAACAGG--	---GACCAGA AA-GCGAAAG TGAGA-----	-----	-----	-----
C. BW. 96. 96BW15C02. AF110974	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. BW. 96. 96BW16B01. AF110976	AG-TGGCGCC CGAACAGG--	---GACGCGA AA-GCGAAAG TAGAA-----	-----	-----	-----
C. BW. 96. 96BW17. AF110980	AG-TGGCGCC CGAACAGG--	---GACGCGA AA-GCGAAAG TAGGA-----	-----	-----	-----
C. BW. 96. 96BWM032. AF443075	AG-TGGCGCC CGAACAGG--	---GACCTGA AA-ACGAAAG TGAGA-----	-----	-----	-----
C. BW. 96. 96BWM01_5. AF443074	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAGAA-----	-----	-----	-----
C. BW. 98. 98BWM122. AF443076	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAAGA-----	-----	-----	-----
C. BW. 98. 98BWM134. AF443077	AG-TGGCGCC CGAACAGG--	---GACCCGA AA-GCGAAAG TAGGA-----	-----	-----	-----
C. BW. 98. 98BWM14A3. AF443078	AG-TGGCGCC CGAACAGG--	---GACTTGA AG-GCGAAAG TAAGA-----	-----	-----	-----
C. BW. 98. 98BWM01410. AF443079	AG-TGGCGCC CGAACAGG--	---GACTCGA AA-GCGAAAG TAAGA-----	-----	-----	-----
C. BW. 98. 98BWM018D5. AF443080	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAAGA-----	-----	-----	-----
C. BW. 98. 98BWM036A5. AF443081	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TGAGA-----	-----	-----	-----
C. BW. 98. 98BWM037D5. AF443082	AG-TGGCGCC CGAACAGG--	---GACCTGA AA-GCGAAAG TAAGA-----	-----	-----	-----
C. BW. 99. 99BW393212. AF443083	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-ACGAAAG TAAGA-----	-----	-----	-----
C. BW. 99. 99BW46424. AF443084	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAGAA-----	-----	-----	-----
C. BW. 99. 99BW4745. AF443085	AG-TGGCGCC CGAACAGG--	---GACGCGA AA-GCGAAAG TAAGA-----	-----	-----	-----
C. BW. 99. 99BW47547. AF443086	AG-TGGCGCC CGAACAGG--	---GACCCGA AA-GCGAAAG TAGGA-----	-----	-----	-----
C. BW. 99. 99BWM168. AF443087	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. DJ. x. DJ259. AB485643	AG-TGGCGCC CGAACAGG--	---GACCTGA AA-GCGAAAG TGAGA-----	-----	-----	-----
C. DK. 01. CTL_015. EF514713	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-RCGAAAG TAAGA-----	-----	-----	-----
C. ES. 06. X1936. EU786673	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAAGA-----	-----	-----	-----
C. ES. 07. X2118_2. EU884500	AG-TGGCGCC CGAACAGG--	---GACTTGA AA-GCGAAAG TAAGA-----	-----	-----	-----
C. ES. 08. X2363_2. EU7866681	AG-TGGCGCC CGAACAGG--	---GACGCGA AA-GCGAAAG TAGAA-----	-----	-----	-----

C. ET. 86. ETH2220.U46016	AG-TGGCGCC CGAACAGG--	--GGACCTGA AA-GCGAAAG TGAGA----	-----	-----	-----
C. IL. 98. 98IS002.AF286233	AG-TGGCGCC CGAACAGG--	-----GA AA-ACGAAAG TGAGA----	-----	-----	-----
C. IN. 03. D24. EF469243	AG-TGGCGCC CGAACAGG--	GACGCGA AA-ACGAAAG TGAGA----	-----	-----	-----
C. IN. 93. 93IN101.AB023804	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. IN. 93. 93IN904.AF067157	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. IN. 93. 93IN999.AF067154	AG-TGGCGCC CGAACAGG--	GACCTGA AA-GAGAAAG TAAAG-----	-----	-----	-----
C. IN. 94. 94IN11246.AF067159	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. IN. 94. 94IN476.AF286223	-----	TTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. IN. 95. 95IN21068.AF067155	AG-TGGCGCC CGAACAGG--	GACCTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. IN. 98. 98IN012.AF286231	-----	CTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. IN. 98. 98IN022.AF286232	-----	GCGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. IN. 99. 01IN565_10.AY049708	AG-TGGCGCC CGAACAGG--	GACCCGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. IN. x. VB39. EF694033	AG-TGGCGCC CGAACAGG--	GACTCGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. IN. x. VB49. EF694036	AG-TGGCGCC CGAACAGG--	GACCCGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. MM. 99.mIDU101_3.AB097871	AG-TGGCGCC CGAACAGG--	GACCTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. TZ. 98. 98T2013.AF286234	-----	CGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. TZ. 98. 98T2017.AF286235	-----	TTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 00. 1069MB.AY838567	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAGGA-----	-----	-----	-----
C. ZA. 00. 1119MB.AY463229	AG-TGGCGCC CGAACAGG--	GACCCGA AA-GCGAAAG TGAGA-----	-----	-----	-----
C. ZA. 00. 1134MB.AY463217	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 00. 1157M3M.AY585266	AG-TGGCGCC CGAACAGG--	GACCTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 00. 1162MB.AY463224	AG-TGGCGCC CGAACAGG--	GACCCGA AA-GTGAAG TAAAG-----	-----	-----	-----
C. ZA. 00. 1165MB.AY463230	AG-TGGCGCC CGAACAGG--	GACGCGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 00. 1168MB.AY463231	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 00. 1170MB.AY463225	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 00. 1171MB.AY463232	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 00. 1176MB.AY463218	AG-TGGCGCC CGAACAGG--	GACGTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 00. 1178MB.AY463233	AG-TGGCGCC CGAACAGG--	GACGCGA AA-GTGAAG TAAAG-----	-----	-----	-----
C. ZA. 00. 1184MB.AY838566	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 00. 1189MB.AY838565	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 00. 1192M3M.AY463219	AG-TGGCGCC CGAACAGG--	GACCTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 00. 1195MB.AY463220	AG-TGGCGCC CGAACAGG--	GACTTGA AA-ACGAAG TAAAG-----	-----	-----	-----
C. ZA. 00. 1197MB.AY463234	AG-TGGCGCC CGAACAGG--	GACCTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 00. 1210MB.AY463221	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GTGAAG TAAAG-----	-----	-----	-----
C. ZA. 00. 1214MB.AY463236	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 00. 1217MB.AY463226	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAGAA-----	-----	-----	-----
C. ZA. 00. 1225MB.AY463227	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 00. 1228MB.AY463222	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TGAGA-----	-----	-----	-----
C. ZA. 00. J112MA.AY838568	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 00. J38MA.AY463228	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 01. 01ZATM45.AY228557	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 01. 2134MB.AY463237	AG-TGGCGCC CGAACAGG--	GACTTAA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 01. J54Ma.AY463223	AG-TGGCGCC CGAACAGG--	GACCTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 02. 02ZAPS001MB1.DQ275648	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 02. 02ZAPS005MB1.DQ351235	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG CAGAA-----	-----	-----	-----
C. ZA. 02. 02ZAPS006MB1.DQ351220	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GTGAAG TAAAG-----	-----	-----	-----
C. ZA. 02. 02ZAPS008MB1.DQ275647	AG-TGGCGCC CGAACAGG--	GACCTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 02. 02ZAPS013MB1.DQ351222	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 02. 02ZAPS014MB1.DQ351218	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCAAAG TAAAG-----	-----	-----	-----
C. ZA. 02. 02ZAPS015MB1.DQ369995	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 03. 03ZAPS017MB1.DQ351224	AG-TGGCGCC CGAACAGG--	GACCCGA AA-GTGAAG TAAAG-----	-----	-----	-----
C. ZA. 03. 03ZAPS020MB1.DQ275653	AG-TGGCGCC CGAACAGG--	GACGCGA AA-GCGAAAG TGAGA-----	-----	-----	-----
C. ZA. 03. 03ZAPS021MB1.DQ369978	AG-TGGCGCC CGAACAGG--	GACCTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 03. 03ZAPS023MB1.DQ351225	AG-TGGCGCC CGAACAGG--	GACCCGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 03. 03ZAPS024MB1.DQ396367	AG-TGGCGCC CGAACAGG--	GACCTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 03. 03ZAPS025MB1.DQ351226	AG-TGGCGCC CGAACAGG--	GACCTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 03. 03ZAPS026MB1.DQ369985	AG-TGGCGCC CGAACAGG--	GACTTGA AA-ACGAAG TAAAG-----	-----	-----	-----
C. ZA. 03. 03ZAPS027MB1.DQ351223	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 03. 03ZAPS030MB1.DQ369996	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAGGA-----	-----	-----	-----
C. ZA. 03. 03ZAPS032MB1.DQ445633	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TGAGA-----	-----	-----	-----
C. ZA. 03. 03ZAPS034MB1.DQ369979	AG-TGGCGCC CGAACAGG--	GACCTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 03. 03ZAPS042MB1.DQ369977	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 03. 03ZAPS043MB1.DQ351227	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 03. 03ZAPS044MB1.DQ396384	AG-TGGCGCC CGAACAGG--	GACGCGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 03. 03ZAPS046MB1.DQ369984	AG-TGGCGCC CGAACAGG--	GACCCGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 03. 03ZAPS048MB1.DQ396364	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAGAA-----	-----	-----	-----
C. ZA. 03. 03ZAPS049MB1.DQ369986	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 03. 03ZAPS050MB1.DQ369980	AG-TGGCGCC CGAACAGG--	GACCCGA AA-GCGAAAG TAGGA-----	-----	-----	-----
C. ZA. 03. 03ZAPS051MB1.DQ396385	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 03. 03ZAPS052MB1.DQ369987	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 03. 03ZAPS054MB2.DQ369988	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 03. 03ZAPS055MB1.DQ396373	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 03. 03ZAPS056MB1.DQ396374	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 03. 03ZAPS057MB2.DQ369989	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 03. 03ZAPS059MB2.DQ445634	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 03. 03ZAPS063MB1.DQ396388	AG-TGGCGCC CGAACAGG--	GACCCGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 03. 03ZAPS066MB2.DQ396375	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 03. 03ZAPS067MB2.DQ396389	AG-TGGCGCC CGAACAGG--	GACCCGA AA-GCGAAAG TACGA-----	-----	-----	-----
C. ZA. 03. 03ZAPS071MB1.DQ396376	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 03. 03ZAPS073MB1.DQ275649	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAGGA-----	-----	-----	-----
C. ZA. 03. 03ZAPS074MB2.DQ351228	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 03. 03ZAPS077B1.DQ093591	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 03. 03ZAPS079B1.DQ093592	AG-TGGCGCC CGAACAGG--	GACCCGA AA-GCGAAAG TAGGA-----	-----	-----	-----
C. ZA. 03. 03ZAPS081MB1.DQ351219	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 03. 03ZAPS083MB1.DQ351229	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 03. 03ZAPS086MB1.DQ275654	AG-TGGCGCC CGAACAGG--	GACCTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 03. 03ZAPS088MB1.DQ275651	AG-TGGCGCC CGAACAGG--	GACCCGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 03. 03ZAPS089MB1.DQ351216	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAGAA-----	-----	-----	-----
C. ZA. 03. 03ZAPS091MB1.DQ275645	AG-TGGCGCC CGAACAGG--	GACTTGA AA-ACGAAG TAGAA-----	-----	-----	-----
C. ZA. 03. 03ZAPS094MB1.DQ396377	AG-TGGCGCC CGAACAGG--	GACCCGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 03. 03ZAPS095MB1.DQ275652	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 03. 03ZAPS097MB1.DQ351230	AG-TGGCGCC CGAACAGG--	GACCTAA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 03. 03ZAPS099MB1.DQ275655	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 03. 03ZAPS103MB2.DQ275656	AG-TGGCGCC CGAACAGG--	GACCCGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 03. 03ZAPS104MB1.DQ369990	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 03. 03ZAPS105MB2.DQ445632	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 03. 03ZAPS108MB1.DQ396378	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 03. 03ZAPS112MB2.DQ396386	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAGAA-----	-----	-----	-----
C. ZA. 03. 03ZAPS113MB2.DQ396365	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 03. 03ZAPS116MB1.DQ445635	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 03. 03ZAPS118MB1.DQ396368	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 03. 03ZAPS122MB1.DQ396370	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 03. 03ZAPS123MB1.DQ396369	AG-TGGCGCC CGAACAGG--	GACCCGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 03. 03ZAPS124MB1.DQ369976	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TAAAG-----	-----	-----	-----
C. ZA. 03. 03ZAPS125MB1.DQ396390	AG-TGGCGCC CGAACAGG--	GACTTGA AA-GCGAAAG TGAGA-----	-----	-----	-----

C.ZA.03.03ZAPS126MB1.DQ275657	AG-TGGCGCC	CGAACAGG	--	--GACCTGA	AA-GCGAAAG	TAAGA	----
C.ZA.03.03ZAPS128MB1.DQ275643	AG-TGGCGCC	CGAACAGG	--	--GACTTGA	AA-GCGAAAG	TAAGA	----
C.ZA.03.03ZAPS130MB1.DQ275658	AG-TGGCGCC	CGAACAGG	--	--GACCCGA	AA-GCGAAAG	TAAGA	----
C.ZA.03.03ZAPS131MB1.DQ396380	AG-TGGCGCC	CGAACAGG	--	--GACCTGA	AA-GCGAAAG	TAAGA	----
C.ZA.03.03ZAPS133MB1.DQ275646	AG-TGGCGCC	CGAACAGG	--	--GGCTTGA	AA-GCGAAAG	TAAGA	----
C.ZA.03.03ZAPS136MB1.DQ351231	AG-TGGCGCC	CGAACAGG	--	--GACTTGA	AA-GCGAAAG	TAAGA	----
C.ZA.03.03ZAPS140MB1.DQ369981	AG-TGGCGCC	CGAACAGG	--	--GACGCGA	AA-GCGAAAG	TAAGA	----
C.ZA.03.03ZAPS143MB1.DQ396391	AG-TGGCGCC	CGAACAGG	--	--GACCTGA	AA-ACGAAAG	TAAGA	----
C.ZA.03.03ZAPS151MB1.DQ396392	AG-TGGCGCC	CGAACAGG	--	--GACTTGA	AA-GCGAAAG	TAAGA	----
C.ZA.03.03ZAPS152MB1.DQ396399	AG-TGGCGCC	TGAACAGG	--	--GACCCGA	AA-GCGAAAG	TAAGA	----
C.ZA.03.03ZAPS155MB1.DQ396371	AG-TGGCGCC	CGAACAGG	--	--GACTTGA	AA-GCGAAAG	TAAGA	----
C.ZA.03.03ZASK005B2.DQ011175	AG-TGGCGCC	CGAACAGG	--	--GACCAGA	AA-GCGAAAG	TAAGA	----
C.ZA.03.03ZASK006B2.AY878056	AG-TGGCGCC	CGAACAGG	--	--GACTTGA	AA-GCGAAAG	TAAGA	----
C.ZA.03.03ZASK010B2.DQ164104	AG-TGGCGCC	CGAACAGG	--	--GACGTGA	AA-GCGAAAG	TAAGA	----
C.ZA.03.03ZASK011B2.AY901965	AG-TGGCGCC	CGAACAGG	--	--GACTTGA	AA-GCGAAAG	TAAGA	----
C.ZA.03.03ZASK013B2.DQ275660	AG-TGGCGCC	CGAACAGG	--	--GACCTGA	AA-GCGAAAG	TAAGA	----
C.ZA.03.03ZASK016MB2.DQ351233	AG-TGGCGCC	GAGCAGG	--	--GACTTGA	AA-ACGAAAG	TAAGA	----
C.ZA.03.03ZASK019B2.AY878063	AG-TGGCGCC	CGAACAGG	--	--GACACGA	AA-GCGAAAG	TAAGA	----
C.ZA.03.03ZASK020B2.AY878064	AG-TGGCGCC	CGAACAGG	--	--GACTTGA	AA-GCGAAAG	TAAGA	----
C.ZA.03.03ZASK026B2.DQ011165	AG-TGGCGCC	CGAACAGG	--	--GACCTGA	AA-GCGAAAG	TAAGA	----
C.ZA.03.03ZASK034B1.AY878065	AG-TGGCGCC	CGAACAGG	--	--GACCCGA	AA-GCGAAAG	TAAGG	----
C.ZA.03.03ZASK036B1.AY901966	AG-TGGCGCC	CGAACAGG	--	--GACTTGA	AA-GCGAAAG	TAAGA	----
C.ZA.03.03ZASK039B2.AY878068	AG-TGGCGCC	CGAACAGG	--	--GACTTGA	AA-GCGAAAG	TGAGA	----
C.ZA.03.03ZASK058B2.AY901967	AG-TGGCGCC	CGAACAGG	--	--GACGCGA	AA-GCGAAAG	TAAGA	----
C.ZA.03.03ZASK061B1.AY901968	AG-TGGCGCC	CGAACAGG	--	--GACTCGA	AA-GCGAAAG	TAGGA	----
C.ZA.03.03ZASK062B1.DQ164113	AG-TGGCGCC	CGAACAGG	--	--GACGCGA	AA-GCGAAAG	TAAGA	----
C.ZA.03.03ZASK066B1.AY901969	AG-TGGCGCC	CGAACAGG	--	--GACGCGA	AA-GCGAAAG	TAAGA	----
C.ZA.03.03ZASK067B1.DQ275642	AG-TGGCGCC	CGAACAGG	--	--GACCCGA	AA-GCGAAAG	TAAGA	----
C.ZA.03.03ZASK072B1.DQ093593	AG-TGGCGCC	CGAACAGG	--	--GACTTGA	AA-GTGAAGG	TAAGA	----
C.ZA.03.03ZASK073B1.AY901970	AG-TGGCGCC	CGAACAGG	--	--GACTTGA	AA-GCGAAAG	TAAGA	----
C.ZA.03.03ZASK076B1.AY901975	AG-TGGCGCC	CGAACAGG	--	--GACCCGA	AA-GCGAAAG	TAGAA	----
C.ZA.03.03ZASK078B1.AY901971	AG-TGGCGCC	CGAACAGG	--	--GACCCGA	AA-GCGAAAG	TAAGA	----
C.ZA.03.03ZASK084B1.AY901981	AG-TGGCGCC	CGAACAGG	--	--GACCCGA	AA-GCGAAAG	TAAGA	----
C.ZA.03.03ZASK092B1.AY878057	AG-TGGCGCC	CGAACAGG	--	--GACTTGA	AA-GCGAAAG	TAAGA	----
C.ZA.03.03ZASK094B1.AY878070	AG-TGGCGCC	CGAACAGG	--	--GACTTGA	AA-GCGAAAG	TAAGA	----
C.ZA.03.03ZASK097B1.AY878060	AG-TGGCGCC	CGAACAGG	--	--GACCCGA	AA-GCGAAAG	TAAGA	----
C.ZA.03.03ZASK098B1.AY878061	AG-TGGCGCC	CGAACAGG	--	--GACTTGA	AA-GTGAAGG	TAGGA	----
C.ZA.03.03ZASK103B1.DQ164106	AG-TGGCGCC	CGAACAGG	--	--GACTTGA	AA-GCGAAAG	TAAGA	----
C.ZA.03.03ZASK104B1.DQ396395	AG-TGGCGCC	CGAACAGG	--	--GACCTGA	AA-GCGAAAG	TAAGA	----
C.ZA.03.03ZASK107B1.DQ056410	AG-TGGCGCC	CGAACAGG	--	--GACGCGA	AA-GCGAAAG	TAAGA	----
C.ZA.03.03ZASK110B1.DQ056411	AG-TGGCGCC	CGAACAGG	--	--GACTTGA	AA-GCGAAAG	TAGGA	----
C.ZA.03.03ZASK111B1.DQ056404	AG-TGGCGCC	CGAACAGG	--	--GACTTGA	AA-GCGAAAG	TAAGA	----
C.ZA.03.03ZASK113B1.DQ351237	AG-TGGCGCC	CGAACAGG	--	--GACTTGA	AA-GCGAAAG	TAGAA	----
C.ZA.03.03ZASK117B1.DQ056408	AG-TGGCGCC	CGAACAGG	--	--GACCTGA	AA-GCGAAAG	TAAGA	----
C.ZA.03.03ZASK118B1.DQ011169	AG-TGGCGCC	CGAACAGG	--	--GACCCGA	AA-GCGAAAG	TAGAA	----
C.ZA.03.03ZASK120B1.DQ011176	AG-TGGCGCC	CGAACAGG	--	--GACTCGA	AA-GCGAAAG	TAAGA	----
C.ZA.03.03ZASK211B1.DQ093601	AG-TGGCGCC	CGAACAGG	--	--GACTTGA	AA-ACGAAAG	TAGAA	

C.ZA.04.04ZASK155B1.AY901978 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TAAGA-----
 C.ZA.04.04ZASK156B1.DQ011171 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TAAGA-----
 C.ZA.04.04ZASK159B1.DQ011179 AG-TGGCGCC CGAACAGG-- --GACCCGA AA-GCGAAAG TAAGA-----
 C.ZA.04.04ZASK160B1.DQ011173 AG-TGGCGCC CGAACAGG-- --GACCCGA AA-GCGAAAG TAAAA-----
 C.ZA.04.04ZASK161B1.DQ011170 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TAAGA-----
 C.ZA.04.04ZASK163B1.AY901979 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TAAGA-----
 C.ZA.04.04ZASK164B1.DQ056405 AG-TGGCGCC CGAACAGG-- --GACGCGA AA-GCGAAAG TGAGA-----
 C.ZA.04.04ZASK165B1.DQ396387 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TAGGA-----
 C.ZA.04.04ZASK167B1.DQ164127 AG-TGGCGCC CGAACAGG-- --GACCCGA AA-GCGAAAG TAAGA-----
 C.ZA.04.04ZASK168B1.AY878058 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TAAAA-----
 C.ZA.04.04ZASK169B1.DQ396381 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TAAGA-----
 C.ZA.04.04ZASK170B1.DQ093595 AG-TGGCGCC CGAACAGG-- --GACGCGA AA-GCGAAAG TAAGA-----
 C.ZA.04.04ZASK171B1.DQ351217 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TAAGA-----
 C.ZA.04.04ZASK172B1.DQ369998 AG-TGGCGCC CGAACAGG-- --GACCCGA AA-GCGAAAG TAGGA-----
 C.ZA.04.04ZASK173B1.DQ093604 AG-TGGCGCC CGAACAGG-- --GACCTGA AA-GCGAAAG TAAGA-----
 C.ZA.04.04ZASK174B1.AY901980 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TAGAA-----
 C.ZA.04.04ZASK175B1.DQ164129 AG-TGGAAATA TCTCTAGCAG TGGCGCCGA AC----- AGGACTTGA AA-GCGAAAG TAAGA-----
 C.ZA.04.04ZASK176B1.DQ056416 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-ACGAAAG TAAGA-----
 C.ZA.04.04ZASK178B1.DQ093587 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TAAGA-----
 C.ZA.04.04ZASK180B1.AY878059 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TAAGA-----
 C.ZA.04.04ZASK181B1.AY878062 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TAAGA-----
 C.ZA.04.04ZASK182B1.AY878054 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TAAGA-----
 C.ZA.04.04ZASK183B1.AY878055 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GTGAAG TAAGA-----
 C.ZA.04.04ZASK184B1.DQ056418 AG-TGGCGCC CGAACAGG-- --GACGCGA AA-GCGAAAG TAAGA-----
 C.ZA.04.04ZASK185B1.DQ011174 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TAAGA-----
 C.ZA.04.04ZASK190B1.DQ056409 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TAAGA-----
 C.ZA.04.04ZASK191B1.DQ369993 AG-TGGCGCC CGAACAGG-- --GACGCGA AA-GCGAAAG TAAGA-----
 C.ZA.04.04ZASK192B1.DQ396382 AG-TGGCGCC CGAACAGG-- --GACCCGA AA-GCGAAAG TGAGA-----
 C.ZA.04.04ZASK193B1.DQ396396 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-ACGAAAG TAAGA-----
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 C.ZA.04.04ZASK202B1.DQ011180 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GTGAAG TAAGA-----
 C.ZA.04.04ZASK204B1.DQ056414 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TAAGA-----
 C.ZA.04.04ZASK206B1.DQ056415 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TAAAA-----
 C.ZA.04.04ZASK208B1.DQ056406 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TGAGA-----
 C.ZA.04.04ZASK217B1.DQ056417 AG-TGGCGCC CGAACAGG-- --GACGCGA AA-GCGAAAG CAAGA-----
 C.ZA.04.04ZASK234B1.DQ093605 AG-TGGCGCC CGAACAGG-- --GACCCGA AA-GCGAAAG TAGGA-----
 C.ZA.04.CAP30_5w_F4.GQ999973 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TAAGA-----
 C.ZA.04.CAP61_8w_F3.GQ999975 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TAAGA-----
 C.ZA.04.SK133B1.AY772698 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TAAGA-----
 C.ZA.04.SK134B1.AY703909 AG-TGGCGCC CGAACAGG-- --GACGCGA AA-GCGAAAG TAAGA-----
 C.ZA.04.SK140B1.AY901973 AG-TGGCGCC CGAACAGG-- --GACGCGA AA-ACGAAAG TGAGA-----
 C.ZA.04.SK143B1.AY703910 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TAAGA-----
 C.ZA.04.SK144B1.AY703911 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TAAGG-----
 C.ZA.05.05ZAPSK240B1.DQ369991 AG-TGGCGCC CGAACAGG-- --GACCCGA AA-GCGAAAG TAAGA-----
 C.ZA.05.05ZASK243B1.DQ396372 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TAAGA-----
 C.ZA.05.05ZASK244B1.DQ369992 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TAAGA-----
 C.ZA.05.05ZASK245B1.DQ369982 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TAAGA-----
 C.ZA.05.05ZASK246B1.DQ369983 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TCAGA-----
 C.ZA.05.05ZASK247B1.DQ369994 AG-TGGCGCC TGAACAGG-- --GACTTGA AA-GCGAAAG TAGAA-----
 C.ZA.05.CAP174_4w.GQ999981 AG-TGGCGCC CGAACAGG-- --GACCCGA AA-GCGAAAG TAAGA-----
 C.ZA.05.CAP206_8w_F1.GQ999982 AG-TGGCGCC CGAACAGA-- --GACTTGA AA-GCGAAAG TAAGA-----
 C.ZA.05.CAP210_5w.GQ999983 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TAAGA-----
 C.ZA.05.CAP228_8w_F2.GQ999984 AG-TGGCGCC CGAACAGG-- --GACCCGA AA-GCGAAAG TAAGA-----
 C.ZA.05.CAP229_7w.GQ999985 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TAAGA-----
 C.ZA.05.CAP239_5w_F1.GQ999991 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TAAGA-----
 C.ZA.05.CAP244_8w_F1.GQ999986 AG-TGGAAACC CGAACAGG-- --GACTTGA AA-GCGAAAG TAAGA-----
 C.ZA.05.CAP248_9w.GQ999987 AG-TGGCGCC CGAACAGG-- --GACCAGA AA-GCGAAAG TAAGA-----
 C.ZA.05.CAP255_8w_F1.GQ999988 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG CAAGA-----
 C.ZA.05.CAP256_6w.GQ999989 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TAAGA-----
 C.ZA.05.CAP257_7w_F1.GQ999990 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TAAGA-----
 C.ZA.05.CAP45_5w_F1.GQ999974 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TAAGA-----
 C.ZA.05.CAP63_5w_F4.GQ999976 AG-TGGCGCC CGAGCAGG-- --GACGCGA AA-GCGAAAG TAGGA-----
 C.ZA.05.CAP65_6w.GQ999977 AG-TGGCGCC CGAACAGG-- --GACCCGA AA-GCGAAAG TAGAA-----
 C.ZA.05.CAP84_3w_F2.GQ999978 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TAAGA-----
 C.ZA.05.CAP85_5w_F1.GQ999979 AG-TGGCGCC TGAACAGG-- --GACTTGA AA-ACGAAAG TAAGA-----
 C.ZA.05.CAP88_5w_F2.GQ999980 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TAAGA-----
 C.ZA.05.CAP8_3w_F2.GQ999972 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TAAAA-----
 C.ZA.07.DEMC07ZA011.JX140664 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TAAGA-----
 C.ZA.08.DEMC08ZA011.JX140666 -G-TGGCGCC CGAACAGG-- --GACCCGA AA-GCGAAAG TAGGA-----
 C.ZA.09.DEMC09ZA008.JX140667 -G-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TAAGA-----
 C.ZA.09.DEMC09ZA009.JX140668 -G-TGGCGCC CGAACAGG-- --GACCAGA AA-GCGAAAG TAAGA-----
 C.ZA.10.DEMC10ZA001.JX140669 -----CGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TAAGA-----
 C.ZA.90.pZAC_R3714.JN188292 AG-TGGCGCC CGAACAGG-- --GACTAGA AA-ACGAAAG TAAGG-----
 C.ZA.97.97ZA003.AY118165 -----TTGA AA-GCGAAAG TAAAA-----
 C.ZA.97.97ZA009.AY118166 -----CCGA AA-GCGAAAG TGAGA-----
 C.ZA.97.97ZA012.AF286227 -----TTGA AA-ACGAAAG TAAGA-----
 C.ZA.98.98ZA445.AY158533 -----TGA AA-GCGAAAG TGAGA-----
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 C.ZA.98.98ZA528.AY158535 -----AGA AA-GCGAAAG TAAGA-----
 C.ZA.98.TV001.AY162223 AG-TGGCGCC CGAACAGG-- --GACCAGA AA-GTGAAG TGAGA-----
 C.ZA.98.TV002.AY162224 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TGAGA-----
 C.ZA.98.TV012.AY162225 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TAAGA-----
 C.ZA.99.99ZACM9.AF411967 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TAAGA-----
 C.ZA.99.99ZALT21.EU293446 AG-TGGCGCC CGAACAGG-- --GACGCGA AA-GCGAAAG TAAGA-----
 C.ZA.99.99ZALT39.EU293447 AG-TGGCGCC CGAACAGG-- --GACCCGA AA-GCGAAAG TAAGA-----
 C.ZA.99.99ZALT42.EU293448 AG-TGGCGCC CGAACAGG-- --GACGCGA AA-GCGAAAG TAGAA-----
 C.ZA.99.99ZALT45.EU293449 AG-TGGCGCC CGAACAGG-- --GACCCGA AA-GCGAAAG TAAGA-----
 C.ZA.99.99ZALT46.EU293450 AG-TGGCGCC CGAACAGG-- --GACGCGA AA-GCGAAAG TAAGA-----
 C.ZA.99.99ZALT4.EU293444 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TAAGA-----
 C.ZA.99.99ZALT5.EU293445 AG-TGGCGCC CGAACAGG-- --GACCCGA AA-GCGAAAG TAGGA-----
 C.ZA.99.99ZATM10.AY228556 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TAAGA-----
 C.ZA.99.ZASW7.AF411966 AG-TGGCGCC CGAACAGG-- --GACCCGA AA-GCGAAAG TAAGA-----
 C.ZM.02.02ZM108.AB254141 AG-TGGCGCC CGAACAGG-- --GACGCGA AA-GCGAAAG TAGAA-----
 C.ZM.02.02ZM110.AB254142 AG-TGGCGCC CGAACAGG-- --GACGCGA AA-GCGAAAG TACGA-----
 C.ZM.02.02ZM114.AB254146 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TAAAA-----
 C.ZM.02.02ZM115.AB254148 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TAAGA-----
 C.ZM.02.02ZMBC.AB254149 AG-TGGCGCC CGAACAGG-- --GACGCGA AA-GTGAAG TAAGA-----
 C.ZM.02.02ZMDB.AB254153 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TAAAA-----
 C.ZM.02.02ZMJC.AB254155 AG-TGGCGCC CGAACAGG-- --GACGCGA AA-GCGAAAG TAAGA-----
 C.ZM.03.ZM246F_f1A10.FJ496186 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TAAAA-----
 C.ZM.03.ZM247F_f1A1.FJ496195 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TAAGA-----
 C.ZM.03.ZM249M_f1C1.FJ496209 AG-TGGCGCC CGAACAGG-- --GACCCGA AA-GCGAAAG TAGAA-----
 C.ZM.89.ZAM18.AB485645 AG-TGGCGCC CGAACAGG-- --GACTTGA AA-GCGAAAG TAAGA-----

C.ZM.96.96ZM651.AF286224	-----	CTTG	AA-GCGAAAG	TAGA-----	-----	-----	-----
C.ZM.96.96ZM751.AF286225	-----	CGGA	AA-GCGAAAG	TAAGA-----	-----	-----	-----
C.ZM.x.HIV10841.AY805330	AG-TGGCGGCC	CGAACAGG--	-----	GACTTGA	AA-GCGAAAG	TAAGA-----	-----
D.CD.83.ELI.K03454	AG-TGGCGGCC	CGAACAGG--	-----	GACCTGA	AA-GCGAAAG	TAGAA-----	-----
D.CD.83.NDK.M27323	AG-TGGCGGCC	CGAACAGG--	-----	GACCTGA	AA-GCGAAAG	TAGAA-----	-----
D.CD.84.84ZR085.U88822	AG-TGGCGGCC	CGAACAGG--	-----	GACCTGA	AA-GCGAAAG	TAGAA-----	-----
D.CD.85.Z2Z6_Z2_CDC_Z34.M22639	AG-TGGCGGCC	CGAACAGG--	-----	GACCTGA	AA-GCGAAAG	TAGAA-----	-----
D.CM.10.DEMD10CM009.JX140670	-G-TGGCGGCC	CGAACAGG--	-----	GACTTGA	AA-GCGAAAG	TAGAA-----	-----
D.KE.93.MB2059.AF133821	AG-TGGCGGCC	CGAACAGG--	-----	GACTTGA	AA-GCGAAAG	TAGAA-----	-----
D.KE.97.ML415_2.AY322189	AG-TGGCGGCC	CGAACAGG--	-----	GACTTGA	AA-GCGAAAG	TAGAA-----	-----
D.KR.04.04KBH8.DQ054367	AG-TGGCGGCC	CGAACAGG--	-----	GACTTGA	AA-GCGAAAG	TAGAA-----	-----
D.SN.90.SB365.AB485648	AG-TGGCGGCC	CGAACAGG--	-----	GACCCGA	AA-GCGAAAG	TAGAA-----	-----
D.UG.05.p190049.JX236668	AG-TGGCGGCC	CGAACAGG--	-----	GACTTGA	AA-GTGAAG	TAGAA-----	-----
D.UG.07.p191647.JX236670	AG-TGGCGGCC	CGAACAGG--	-----	GACTTGA	AA-GCGAAAG	TAGAA-----	-----
D.UG.07.p191882.JX236673	AG-TGGCGGCC	CGAACAGG--	-----	GACTTGA	AA-GCGAAAG	TAGAA-----	-----
D.UG.07.pSC191727.JX236679	AG-TGGCGGCC	CGAACAGG--	-----	GACTTGA	AA-GCGAAAG	TAGAA-----	-----
D.UG.08.p191859.JX236672	AG-TGGCGGCC	CGAACAGG--	-----	GACGCGA	AA-GCGAAAG	TAGAA-----	-----
D.UG.91.UG270.AB485650	AG-TGGCGGCC	CGAACAGG--	-----	GACTTGA	AA-GCGAAAG	TAGAA-----	-----
D.UG.92.92UG001.AJ320484	AG-TGGCGGCC	CGAACAGGGA	CC-----	TGAA	AA-GCGAAAG	TAAAA-----	-----
D.UG.94.94UG114.U88824	-----	-----	-----	CTGA	AA-GCGAAAG	TAGAA-----	-----
D.ZA.84.R2.AY773338	-----	-----	-----	-----	-----	-----	-----
D.ZA.85.R286.AY773340	-----	-----	-----	-----	-----	-----	-----
D.ZA.86.R482.AY773341	-----	-----	-----	-----	-----	-----	-----
D.ZA.90.R1.EF633445	-----	-----	-----	-----	-----	-----	-----
F1.AR.02.ARB933.DQ189088	-----	-----	-----	-----	TC	GG-CTGGAAC	GAGIT-----
F1.BE.93.VI850.AF077336	-----	-----	-----	-----	GGACTTG	AA-GCGAAAG	TAGAA-----
F1.BR.02.02BR082.FJ771006	AG-TGGCGGCC	CGAACAGG--	-----	GACTTGA	AA-GTGAAG	TAGAA-----	-----
F1.BR.02.02BR170.FJ771007	AG-TGGCGGCC	CGAACAGG--	-----	GACTTGA	AA-GCGAAAG	TAGAA-----	-----
F1.BR.06.06BR564.FJ771008	AG-TGGCGGCC	CGAACAGG--	-----	GACTTGA	AA-GCGAAAG	TAGAA-----	-----
F1.BR.06.06BR579.FJ771009	AG-TGGCGGCC	CGAACAGG--	-----	GACGCGA	AA-GCGAAAG	TAGAA-----	-----
F1.BR.07.07BR844.FJ771010	AG-TGGCGGCC	CGAACAGG--	-----	GACGCGA	AA-ACGAAAG	TAGAA-----	-----
F1.BR.89.BZ126.AY173957	AG-TGGCGGCC	CGAACAGG--	-----	GACGCGA	AA-GCGAAAG	TAGAA-----	-----
F1.BR.93.93BR020_1.AF005494	-----	-----	-----	CTGA	AA-GCGAAAG	TAAA-----	-----
F1.DE.x.MVP_30846.EU446022	-----	-----	-----	-----	AAGCGAAA	GCGAA-----	-----
F1.ES.02.ES_X845_4.FJ670516	AG-TGGCGGCC	CGAACAGG--	-----	GACGCGAA	AA-GCGAAA	TAAAA-----	-----
F1.ES.11.DEMF110ES001.JX140671	-----	-----	-----	GGACTTGA	AA-ACGAAAG	TAGAA-----	-----
F1.ES.x.P1146.DQ979023	-----	-----	-----	-----	-----	-----	-----
F1.ES.x.X1093_2.DQ979025	AG-TGGCGGCC	CGAACAGG--	-----	GACGCGA	AA-GCGAAAG	TAGAA-----	-----
F1.ES.x.X1670.DQ979024	AG-TGGCGGCC	CGAACAGG--	-----	GACYYGA	AA-GCGAAAG	TAGAA-----	-----
F1.FI.93.FIN9363.AF075703	-----	-----	-----	-----	A	AA-GCGAAAG	TAGAA-----
F1.RO.96.BCI_R07.AB485658	AG-TGGCGGCC	CGAACAGG--	-----	GACTTGA	AA-GCGAAAG	TAGAA-----	-----
F1.RU.08.D88_845.GQ290462	AG-TGGCGGCC	CGAACAGG--	-----	GACGCGA	AA-GCGAAAG	TAGAA-----	-----
F2.CM.10.DEMF210CM007.JX140673	-G-TGGCGGCC	CGAACAGG--	-----	GACTTGA	AA-GCGAAAG	TAGAA-----	-----
G.BE.96.DRCBL.AF084936	AG-TGGCGGCC	CGAACAGGGA	CTTGAAA-AC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----
G.CM.01.A1786.FJ389367	AG-TGGCGGCC	CGAACAGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----
G.CM.04.178_15.FJ389363	AG-TGGCGGCC	CGAACAGGGA	CTTGAAA-AC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----
G.CM.04.314_40.FJ389364	AG-TGGCGGCC	CGAACAGGGA	CTTGAAA-AC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----
G.CM.04.515_28.FJ389365	AG-TGGCGGCC	CGAACAGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----
G.CM.04.944_5.FJ389366	AG-TGGCGGCC	CGAACAGGGA	CTTGAAA-AC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----
G.CM.10.DEMG10CM008.JX140676	--TGGCGGCC	CGAACAGGGA	CTTGAAA-GT	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----
G.CM.96.96CMAB55.AY772535	AG-TGGCGGCC	CGAACAGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----
G.CN.06.sh52.HM067749	AG-TGGCGGCC	CGAACAGG--	-----	GACTTGA	AA-GCGAAAG	TAAATATGGG	AATGGAAAGG
G.CU.99.Cu74.AY586547	AG-TGGCGGCC	CGAACAGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----
G.CU.99.Cu85.AY586548	AG-TGGCGGCC	CGAACAGGGA	CTTGAAA-GY	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----
G.CU.99.Cu87.AY586549	AG-TGGCGGCC	CGAACAGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----
G.ES.05.P962.EU786670	AG-TGGCGGCC	CGAACAGGGA	CTTGAAA-AC	GAAAGTTAAT	AGGGACTTGT	AA-GCGGAAG	TAAACGGGGA
G.ES.08.P1981_2.FJ670530	AG-TGGCGGCC	CGAACAGG--	-----	GACTTGA	AA-GAGAAAG	TAAAGAGGGA	CTCGAAAGCG
G.ES.09.X2634_2.GU362882	AG-TGGCGGCC	CGAACAGG--	-----	GACTTGA	AA-GCGAAAG	TAAACAGGGA	CTCGAAAGCG
G.ES.99.X138.AF450098	AG-TGGCGGCC	CGAACAGGGA	CTTGAAA-GC	GAAAGTTMAC	AGGSACTCGA	AA-GCGAAAG	TT-----
G.GH.03.03GH175G.AB287004	AG-TGGCGGCC	CGAACAGGGA	CTTGAAA-GT	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----
G.KE.93.HH8793_12_1.AF061641	AG-TGGCGGCC	CGAACAGGGA	CTTGAAA-G	TGAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----
G.NG.92.92NG083_JV10832.U88826	-----	-----	-----	ATGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-ACGAAAG
G.PT.x.PT2695.AY612637	AG-TGGCGGCC	CGAACAGGGA	CTTGAAA-GC	GAAAGTTAAT	CGGGACTCGA	AA-GCGAAAG	TT-----
G.PT.x.PT3037.FR846408	AG-TGGCGGCC	CGAACAGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----
G.PT.x.PT3306.FR846409	AG-TGGCGGCC	CGAACAGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----
G.PT.x.PT988.FR846410	AG-TGGCGGCC	CGAACAGG--	-----	GACTTGA	AA-GCGAAAG	TT-----	-----
G.SE.93.SB6165_G6165.AF061642	AG-TGGCGGCC	CGAACAGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----
H.BE.93.VI991.AF190127	AG-TGGCGGCC	CGAACAGG--	-----	GACTTGA	AA-GCGAAAG	CAAAA-----	-----
H.BE.93.VI997.AF190128	-----	-----	-----	-----	-----	-----	-----
H.CF.90.056.AF005496	-----	-----	-----	TTGA	TA-GTGAAG	TAAAA-----	-----
H.GB.00.00GBAC4001.FJ711703	AG-TGGCGGCC	CGAACAGG--	-----	GACTTGA	AA-GCGAAAG	TAAAA-----	-----
J.CM.04.04CMU11421.GU237072	AG-TGGCGGCC	CGAACAGG--	-----	GACTTGA	AA-GTGAAG	TAGGA-----	-----
J.SE.93.SB9280_7887.AF082394	-----	-----	-----	-----	-----	-----	-----
J.SE.94.SB9173_7022.AF082395	-----	-----	-----	-----	-----	-----	-----
01_AE.CF.90.90CF11697.AF197340	AG-TGGCGGCC	CGAACAGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----
01_AE.CF.90.90CF4071.AF197341	AG-TGGCGGCC	CGAACAGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----
01_AE.CF.90.90CF402_CAR_E_4002	AG-TGGCGGCC	CGAACAGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----
01_AE.CN.05.FJ051.DQ859178	AG-TGGCGGCC	CGAACAGGGA	CTTGAAA-GT	GAAAGTTAAT	AGGGACTCGA	AA-GCGGAAG	TT-----
01_AE.CN.05.FJ053.DQ859179	AG-TGGCGGCC	CGAACAGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----
01_AE.CN.05.FJ052.EF036528	AG-TGGCGGCC	CGAACAGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----
01_AE.CN.05.FJ055.EF036527	AGGTGGCGGCC	CGAACAGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----
01_AE.CN.05.FJ056.EF036529	AG-TGGCGGCC	CGAACAGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----
01_AE.CN.05.FJ057.EF036530	AG-TGGCGGCC	CGAACAGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----
01_AE.CN.05.FJ065.EF036534	AG-GGCGGCC	CGAACAGGGA	CCTTGAAA-GC	GGAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----
01_AE.CN.05.FJ066.EF036535	AG-TGGCGGCC	CGAACAGGGA	CTTGAAA-GT	GACAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----
01_AE.CN.06.FJ054.DQ859180	AG-TGGCGGCC	CGAACAGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGGAAG	TT-----
01_AE.CN.06.FJ062.EF036531	AG-TGGTGGCC	CGAACAGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----
01_AE.CN.06.FJ063.EF036532	AG-TGGCGGCC	CGAACAGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----
01_AE.CN.06.FJ064.EF036533	AG-TGGCGGCC	CGAACAGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----
01_AE.HK.04.HK001.DQ234790	-----	-----	-----	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----
01_AE.JP.x.DR0492.AB253423	AG-TGGCGGCC	CGAACAGGGA	CTTGAAA-GT	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----
01_AE.JP.x.DR2594.AB253660	AG-TGGCGGCC	CGAACAGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----
01_AE.JP.x.DR6824.AB253426	AG-TGGCGGCC	CGAACAGGGA	CTTGAAA-GT	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----
01_AE.JP.x.JRC77AE.AB565504	AG-TGGCGGCC	CGAACAGGGA	CTTGAAA-AC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----
01_AE.TH.04.AA027a_wg4.JX44702	-----	-----	-----	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG
01_AE.TH.04.AA075a_WG7.JX44754	AG-TGGCGGCC	CGAACAGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----
01_AE.TH.04.BKM.DQ314732	AG-TGGCGGCC	CGAACAGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----
01_AE.TH.05.AA004a_wg4a.JX4467	AG-TGGCGGCC	CGAACAGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----
01_AE.TH.05.AA033a_wg6a.JX4470	AG-TGGCGGCC	CGAACAGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----
01_AE.TH.05.AA049a_WG13.JX4472	AG-TGGCGGCC	CGAACAGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----
01_AE.TH.05.AA064a_WG2.JX44741	-----	-----	-----	-----	-----	-----	-----
01_AE.TH.05.AA079a_WG4.JX44759	---TGGCGGCC	CGAACAGGGA	CTTGAAA-GT	GAAAGTTAAT	AGGGACTCGA	AA-GCGGAAG	TT-----
01_AE.TH.05.AA101a_WG1.JX44793	-G-TGGCGGCC	CGAACAGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----
01_AE.TH.05.AA107a_wg4.JX44802	-----	-----	-----	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG
01_AE.TH.06.AA002a_WG1.JX44666	AG-TGGCGGCC	CGAACAGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	GTT-----

01_AE.TH.06.AA017a_wg1.JX44689	-----C	CGAACACGGGA	CTTGAAA-GT	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----		
01_AE.TH.06.AA034a_wg2.JX44708	AG-TGGCGCC	CGAACACGGGA	CTTGAAA-GT	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	GTT-----		
01_AE.TH.06.AA038a_WG3.JX44713	-----	GAACACGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----		
01_AE.TH.06.AA055a_WG4.JX44731	-----	GA	CTTGAAA-GT	GAAAGATAAT	AGGGACTCGA	AA-GCGAAAG	TT-----		
01_AE.TH.06.AA056a_WG5.JX44731	AG-TGGCGCC	CGAACACGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----		
01_AE.TH.06.AA059a_WG5.JX44735	AG-TGGCGCC	CGAACACGGGA	CCTGAAA-AC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----		
01_AE.TH.06.AA063a_WG37.JX4474	AG-TGGCGCC	CGAACACGGGA	CTTGAAA-GT	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----		
01_AE.TH.06.AA068a_14.JX447465	-----	TTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----			
01_AE.TH.06.AA082a_WG9.JX44764	AG-TGGCGCC	CGAACACGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----		
01_AE.TH.06.AA085a_wg2.JX44768	AG-TGGCGCC	CGAACACGGGA	CTTTAAA-GT	GAAAGTAAA-	AGGGACTCGA	AA-GCGGAAG	TT-----		
01_AE.TH.06.AA088a_wg14.JX4477	AG-TGGCGCC	CGAACACGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----		
01_AE.TH.06.AA099a_WG9.JX44789	AG-TGGCGCC	CGAACACGGGA	CTTGAAA-GT	GAAAGTTAAT	AGGGACTCGA	AA-GCGCAAG	TT-----		
01_AE.TH.07.AA015a_WG4.JX44687	AG-TGGCGCC	CGAACACGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----		
01_AE.TH.07.AA019a_WG11.JX4469	AG-TGGCGCC	CGAACACGGGA	CTTGAAA-GT	GAAAGTTAAT	AGGGACTCGA	AA-ACGAAAG	GTT-----		
01_AE.TH.07.AA028a_wg3.JX44702	AG-TGGCGCC	CGAACACGGGA	CTTGAAA-AC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----		
01_AE.TH.07.AA050a_WG7.JX44728	-----	GA	CTTGAAA-AC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----		
01_AE.TH.08.AA007a_WG10.JX4467	-----	GA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGGAAG	TT-----		
01_AE.TH.08.AA037a_WG6.JX44712	AG-TGGCGCC	CGAACACGGGA	CTTGAAA-GT	GAAAGTTAAT	AGGGACTCGA	AA-GCGGAAG	TT-----		
01_AE.TH.08.AA060a_WG1.JX44735	-----					GA	AA-GCGAAAG		
01_AE.TH.08.AA067a_WG12.JX4474	AG-TGGCGCC	CGAACACGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----		
01_AE.TH.08.AA108a_WG6.JX44802	AG-TGGCGCC	CGAACACGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----		
01_AE.TH.09.AA090a_WG11.JX4477	AG-TGGCGCC	CGAACACGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----		
01_AE.TH.09.AA111a_WG11.JX4480	AG-TGGCGCC	CGAACACGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----		
01_AE.TH.90.CM240.U54771	AG-TGGCGCC	CGAACACGGGC	ACTCGAAAGC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----		
01_AE.TH.93.93TH253.U51189	AG-TGGCGCC	CGAACACGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----		
01_AE.TH.93.93TH9021.AF164485	AG-TGGCGCC	CGAACACGGGA	CTTGAAA-GC	GAAAGCTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----		
01_AE.TH.95.95TN1H022.AB032740	AG-TGGCGCC	CGAACACGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGGAAG	TT-----		
01_AE.TH.95.95TN1H047.AB032741	AG-TGGCGCC	CGAACACGGGA	CTTGAAA-GT	GAAAGTTAAT	AGGGACTCGA	AA-GCGGAAG	TT-----		
01_AE.TH.x.NP03.AB485654	AG-TGGCGCC	CGAACACGGGA	CTTGAAA-GT	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----		
01_AE.VN.97.97VNVAG204.FU185247	-----								
01_AE.VN.97.97VNVAG206.FU185248	-----								
01_AE.VN.97.97VNVAG207.FU185249	-----								
01_AE.VN.97.97VNVAG210.FU185251	-----								
01_AE.VN.97.97VNVAG212.FU185252	-----								
01_AE.VN.97.97VNVAG214.FU185253	-----								
01_AE.VN.97.97VNVAG218.FU185255	-----								
01_AE.VN.97.97VNVHCM314.FJ18524	-----								
01_AE.VN.97.97VNVHCM319.FJ18524	-----								
01_AE.VN.97.97VNVHCM343.FJ18524	-----								
01_AE.VN.97.97VNVHCM345.FJ18524	-----								
01_AE.VN.98.98VNNND15.FJ185235	-----								
02_AG.CM.08.DB00208CM001.JX140	AG-TGGCGCC	CGAACACGGGA	CCGG-----	AAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----		
02_AG.CM.08.DB00208CM004.JX140	-----	GCC	CGAACACGGGA	CTTG-----	AAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----	
02_AG.CM.99.pBD6_15.AY271690	AG-TGGCGCC	CGAACACGGGA	CTTG-----	AAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----		
02_AG.ES.06.P1261.EU786671	AG-TGGCGCC	CGAACACGGGA	CCGG-----	AAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----		
02_AG.ES.06.P1423.EU884501	AG-TGGCGCC	CGAACACGGGA	CCGG-----	AAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----		
02_AG.FR.91.DJ263.AF063223	-----	GGACC	GGAA-----	GCTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----		
02_AG.GH.03.03GH181AG.AB286855	AG-TGGCGCC	CGAACACGGGA	CCTG-----	AAATTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----		
02_AG.GH.03.03GH182AG.AB286857	AG-TGGCGCC	CGAACACGGGA	CCGG-----	AAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----		
02_AG.GH.03.03GH189AG.AB286862	AG-TGGCGCC	CGAACACGGGA	CCGG-----	AAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----		
02_AG.GH.03.03GH197AG.AB286863	AG-TGGCGCC	CGAACACGGGA	CTTG-----	GAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TG-----		
02_AG.GH.03.GHNJ185.AB231895	AG-TGGCGCC	CGAACACGGGA	CTTGAAAG-----	TTAAT	AGGGACTCGG	AAAGCGAAAG	TACCAGAGAA	GTCTCTCCGA	CGCAGTGGAA
02_AG.GH.03.GHNJ188.AB231896	AG-TGGCGCC	CGAACACGGGA	CCGG-----	AAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----		
02_AG.GH.03.GHNJ196.AB231898	AG-TGGCGCC	CGAACACGGGA	CCGG-----	AAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----		
02_AG.GH.97.97GH.AG1.AB049811	AG-TGGCGCC	CGAACACGGGA	CTTG-----	AAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----		
02_AG.GH.x.I_2496.AB485633	AG-TGGCGCC	CGAACACGGGA	CCGG-----	AAATTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----		
02_AG.GW.04.CC_0030.FU694791	-----	AACACGGGA	C-----	GGAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----		
02_AG.GW.05.CC_0048.FU694792	-----			GAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----		
02_AG.KR.07.07MH110.JQ316136	AG-TGGCGCC	CGAACACGGGA	CTTG-----	AAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----		
02_AG.LR.x.POC44951.AB485636	AG-TGGCGCC	CGAACACGGGA	CTTG-----	AAGATAAT	AGGGACTCGA	AA-GCGAAAG	TT-----		
02_AG.NG.x.TBNG.L39106	AG-TGGCGCC	CGAACACGGAC	TTGAC-----	GGTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----		
02_AG.SE.94.SE7812.AF107770	AG-TGGCGCC	CGAACACGGGA	CTTG-----	AAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----		
03_AB.BY.00.98BY10443.AF414006	AG-TGGCGCC	CGAACACGGGA	CTTGAAA----			GCAGAAAG	TT-----		
03_AB.RU.98.RU98001_98RU001.AF	AG-TGGCGCC	CGAACACGGGA	CTTGAAA----			GCAGAAAG	TT-----		
04_cpx.CY.94.94CY032_3.AF04933	-----	TTGAA	AGTG-----	AAAGTTAAT	AG-GACTCGA	AA-GCGAAAG	TT-----		
04_cpx.GR.00.DB00400GR002.JX14	-----	GAACACGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----		
04_cpx.GR.91.GR11_97PVCH.AF119	AG-TGGCGCC	CGAACACGGGA	CTTGAAA-GT	GAAAGTTAAT	AGGGACTCGA	AA-GCGGAAG	TT-----		
04_cpx.GR.97.GR84_97PMVY.AF119	AG-TGGCGCC	CGAACACGGGA	CCCGAAA-GT	GAAAGTTAAT	AGGGACTCGA	AA-GCGGAAG	TT-----		
05_DF.BE.93.VI961.AF076998	-----					GGACCTTGA	AA-ACGAAAG	TAGAA	
05_DF.BE.x.VI1310.AF193253	AG-TGGCGCC	CGAACACGG--				GACTTGA	AA-ACGAAAG	TAGAA	
05_DF.ES.99.X492.AY227107	-----					GGGACTTGA	AA-ACGAAAG	TAAA-	
06_cpx.AU.96.BFP90.AF064699	AG-TGGCGCC	CGAACACGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----		
06_cpx.CD.x.BCF_Dioum.AB485660	AG-TGGCGCC	CGAACACGGGA	CTTTAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----		
06_cpx.EE.01.EE0359.AY535659	AG-TGGCGCC	TGAACACGGGA	CCAGAAA-AC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----		
06_cpx.GH.03.03GH173_06.AB2868	AG-TGGCGCC	CGAACACGGGA	CCCGAAA-GT	GAAAGTTAAT	AGGGACTCGA	AA-GCGGAAG	TT-----		
06_cpx.ML.95.95ML127.AJ288982	AG-TGGCGCC	CGAACACGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----		
06_cpx.ML.95.95ML84.AJ245481	AG-TGGCGCC	CGAACACGGGA	CCTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----		
06_cpx.SE.97.97SE1078.AJ288981	AG-TGGCGCC	CGAACACGGGA	CCCGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----		
07_BC.CN.05.XJDC6431_2.EF36837	-----					GCGA	AA-GCGAAAG	TAGAG	
07_BC.CN.05.XJDC6441.EF368370	-----					TTGA	AA-GCGAAAG	TAAGA	
07_BC.CN.06.Sichuan_2006_SC006	-----							TAAGA	
07_BC.CN.06.Sichuan_2006_SC008	-----							TAAGA	
07_BC.CN.06.Xinjiang_2006_709	-----					GAAAG		TAAAG	
07_BC.CN.07.CNGZD.JQ423923	-----					TTGA	AA-GCGAAAG	TAAGA	
07_BC.CN.98.98CN009.AF286230	-----					TTGA	AA-GCGAAAG	TAAGA	
08_BC.CN.00.p00CH_HH090_08_BC3	AG-TGGCGCC	CGAACACGGGA	CTTGAAA-GC	GAAAGT-AAG	A-----				
08_BC.CN.00.p00CH_WS035_08_BC5	AG-TGGCGCC	CGAACACGGGA	CCTGAAA-GC	GAAAGT-GAG	A-----				
08_BC.CN.01.p01CH_DL001_08_BC0	AG-TGGCGCC	CGAACACGGGA	CTTGAAA-GC	GAAAGT-AAG	A-----				
08_BC.CN.06.nx2.HM067748	AG-TGGCGCC	CGAACACGGGG	CAAGAAA-AG	GAAATAT-GAG	A-----				
08_BC.CN.98.98CN006.AF286229	-----		TTGAAA-GC	GAAAGT-AAG	A-----				
09_cpx.CI.00.00IC_10092.AJ8665	AG-TGGCGCC	CGAACACGGGA	CTTTAAA-GT	GAAAGT-AAT	AGGGACTCGA	AA-GCGGAAG	TT-----		
10_CD.TZ.96.96TZ_BF061.AF28954	AG-TGGCGCC	CGAACACGG--				GTACCTGA	AA-GCGAAAG	TAGAA	
10_CD.TZ.96.96TZ_BF071.AF28954	AG-TGGCGCC	CGAACACGG--				GACTTGA	AA-GCGAAAG	TAGAA	
10_CD.TZ.96.96TZ_BF110.AF28955	AG-TGGCGCC	CGAACACGG--				GACTTGA	AA-GCGAAAG	TAGAA	
11_cpx.CM.95.95CM_1816.AF49262	AG-TGGCGCC	CGAACACGG--				GACCCGA	AA-GCGAAAG	TAGAA	
11_cpx.CM.96.96CM_4496.AF49262	AG-TGGCGCC	CGAACACGG--				GACTTGA	AA-GCGAAAG	TAGAA	
11_cpx.CM.97.MP818.AJ291718	AG-TGGCGCC	CGAACACGG--				GACCCGA	AA-GCGAAAG	TAGAA	
11_cpx.FR.99.MP1298.AJ291719	AG-TGGCGCC	CGAACACGG--				GACTTGA	AA-GCGAAAG	TAGAA	
11_cpx.FR.99.MP1307.AJ291720	GAAGGGCGCC	CGAACACCTG--				GGACCCCG	AA-GCGAAAG	TAGAA	
11_cpx.GR.x.GR17.AF179368	-----								
12_BF.AR.97.A32879.AF408629	AG-TGGCGCC	CGAACACGG--				GACCTGA	AA-GCGAAAG	TAGAA	
12_BF.AR.97.A32989.AF408630	AG-TGGCGCC	CGAACACGG--				GACTTGA	AA-GCGAAAG	TAGAA	
12_BF.AR.99.ARMA159.AF385936	AG-TGGCGCC	CGAACACGG--				GACTTGA	AA-GCGAAAG	TAGAA	
12_BF.UY.99.URTR23.AF385934	AG-TGGCGCC	CGAACACGG--				GACTTGA	AA-GCGAAAG	TAGAA	
12_BF.UY.99.URTR35.AF385935	AG-TGGCGCC	CGAACACGG--				GACTTGA	AA-GCGAAAG	TAAAA	

[illegible]

53_01B.MY.11.11FIR164.JX390610	-----	-----	-----	-----	GGGACTCGA	AA-GCGRAAG	TT-----	-----	-----
54_01B.MY.07.07MYKLD49.EU03191	AG-TGGCGCC	CGAACAGGGA	CTTGAAA-GT	AAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----	-----	-----
54_01B.MY.08.08MYKLD44.JX39097	-----	-----	-----	-----	-----	AA-GCGGAAAG	TT-----	-----	-----
54_01B.MY.09.09MYSB023.JX39097	AG-TGGCGCC	CGAACAGGGA	CTTGAAA-AT	AAAAGTTATT	AGGGACTCGA	AA-GCGGAAAG	TT-----	-----	-----
55_01B.CN.10.HNCS102056.JX5746	-----	-----	-----	-----	-----	-----	-----	-----	-----
55_01B.CN.11.GDDG318.JX574662	-----	-----	-----	-----	-----	-----	-----	-----	-----
01A1.MM.99.mCSW105.AB097872	AG-TGGCGCC	CGAACAGGGA	CTCGAAA-GC	GGAAGTTAAT	AGGGACTCGA	AA-GCG-AAG	TT-----	-----	-----
01B.CN.08.08CYM047.JF340054	-----	-A	GTTATAGG--	-----	-----	AAAGCGA	AAGTT--	-----	-----
01B.JP.x.pHIV_1_Y271B01AE64.AB	AG-TGGCGCC	CGAACAGG--	-----	-----	-----	AAAGCGAAAG	TAAAA--	-----	-----
01B.MM.00.mIDU502.AB097865	AG-TGGCGCC	CGAACAGG--	-----	-----	-----	ACGACGGA	ACGAAAG	TCAGA--	-----
01B.MM.99.mCSW104.AB097867	AG-TGGCGCC	CGAACAGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----	-----	-----
01B.MY.04.04MYKLD019_1.DQ366665	-----	-----	-----	-----	-----	-----	-----	-----	-----
01B.MY.05.05MYKLD043_1.DQ366666	AG-TGGCGCC	CGAACAGGGA	CTTGAAAG-GC	GGAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----	-----	-----
01B.MY.06.06MMYKLD46.EF495062	AG-TGGCGCC	CGAACAGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----	-----	-----
01B.MY.07.07MYKLD47.EU031913	-----	-----	-----	-----	-----	-----	-----	-----	-----
01B.MY.07.07MYKLD48.EU031914	AG-TGGCGCC	CGAACAGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGGAAAG	TT-----	-----	-----
01B.TH.05.05TH140456.JN631793	AG-TGGCGCC	CGAACAGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----	-----	-----
01B.TH.05.AA095a_WG21.JX447830	AG-TGGCGCC	CGAACAGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----	-----	-----
01B.TH.06.AA020a_wg2.JX446927	-----	-----	-GA	CTTTAAA-GT	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----	-----
01B.TH.06.AA025a_WG13.JX447000	AG-TGGCGCC	CGAACAGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----	-----	-----
01B.TH.06.AA084a_WG10.JX447668	AG-TGGCGCC	CGAACAGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----	-----	-----
01B.TH.91.CM237.AY167123	AG-TGGCGCC	CGAACAGG--	-----	-----	-----	AA-GCGAAAG	TAGAA--	-----	-----
01BC.MM.00.mCSW503.AB097866	-----	-----	-----	-----	-----	-----	-----	-----	-----
01BC.MM.99.mIDU107.AB097868	AG-TGGCGCC	CGAACAGGGA	CTTGAAA-GC	GAAAGT-AAT	AGGGACTCGA	AA-GCGAAAG	TT-----	-----	-----
01F2G.CM.02.LT31.JN864056	-----	-----	-----	-----	-----	-----	-----	-----	-----
0206.DZ.10.DEURF10DZ001.JX1406	-----	-----	-----	-----	-----	-----	-----	-----	-----
0206.GH.03.03GH195AG_06.AB2868	AG-TGGCGCC	CGAACAGGGA	CTTGAG--	-----	TTAAT	AGGGACTCGA	AA-GCGAAAG	TG-----	-----
0206.NE.00.NE36.AJ508597	AG-TGGCGCC	CGAACAGGGA	CTTG-----	-----	AAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----	-----
0206.NE.00.NE95.AJ508596	AG-TGGCGCC	CGAACAGGGA	CTCGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-ACGAAAG	TT-----	-----	-----
0206.NE.97.NE03.AJ508595	AG-TGGCGCC	CGAACAGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----	-----	-----
0209.CI.01.01IC_17395.AJ866554	AG-TGGCGCC	CGAACAGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----	-----	-----
0209.CI.01.01IC_PCI118.AJ86655	AG-TGGCGCC	CGAACAGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----	-----	-----
0209.CI.01.01IC_PCI127.AJ86655	AG-TGGCGCC	CGAACAGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----	-----	-----
0209.CI.97.97IC_PCI3.AJ866555	AG-TGGCGCC	CGAACAGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----	-----	-----
0222.CM.02.02CAMLTO4.EU743964	-----	-----	-----	-----	-----	-----	-----	-----	-----
0222.CM.08.BDSH129.JN864052	-----	-----	-----	-----	-----	-----	-----	-----	-----
0222.CM.10.LB045.JN864053	-----	CGC	CAACCTCA--	-----	-----	ACCTCGA	AA-GCGAAAG	TT-----	-----
02A1.ES.05.X230_10.FJ670515	AG-TGGCGCC	CGAACAGGGA	C-----	CGAAGTTAAT	AGGGACTCGA	AA-ACGAAAG	TT-----	-----	-----
02A1.ES.07.ES_P1751.GQ372986	AG-TGGCGCC	CGAACAGG--	-----	-----	-----	GACTTGA	AA-GCGAAAG	TT-----	-----
02A1.GH.03.GHNJ176.AB231894	AG-TGGCGCC	CGAACAGGGA	CCGG-----	AAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----	-----	-----
02A1.GH.97.97GH_AG2.AB052867	AG-TGGCGCC	CGAACAGGGA	CCGG-----	AAAGTTAAT	AGGGGCTCGA	AA-GCGAAAG	TT-----	-----	-----
02A1.RU.10.10RU6637.JN230353	AG-TGGCGCC	CGAACAGGGA	CCGG-----	AAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----	-----	-----
02B.ES.99.99SP_11339.DQ926899	AG-TGGCGCC	CGAACAGGGA	CCGGA---TA	TAGG-----	-----	GACTCGA	AA-GCGAAAG	TT-----	-----
02B.FR.02.URF4.JN882652	-----	-----	-----	-----	-----	GGGACTCGA	AA-GCGAAAG	TT-----	-----
02B.FR.09.URF2.JN882654	-----	-----	-----	-----	-----	-----	AAG	AGAAA--	-----
02BD.FR.08.URF1.JN882653	AG-TGGCGCC	CGAACAGGGA	CTTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----	-----	-----
02BG.FR.10.URF5.JN882655	-----	-----	-----	-----	-----	-----	-----	-----	-----
02C.BE.93.VI1035.AJ276595	-----	-----	-----	-----	-----	-----	-----	-----	-----
02D.GH.03.GHNJ193.AB231897	AG-TGGCGCC	CGAACAGGGA	CTTG-----	AAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----	-----	-----
02D.GH.03.p03GH194AG09.AB48004	AG-TGGCGCC	CGAACAGGGA	CTTG-----	AAAGT-AAT	AGGGACTCGA	AA-GCGAAAG	TT-----	-----	-----
02F2G.CM.02.LT66.JN864057	-----	-----	-----	-----	-----	-----	-----	-----	-----
02GK.CI.01.01IC_PCI123.AJ86655	AG-TGGCGCC	CGAACAGGGA	CTCGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-GCGGAAAG	TT-----	-----	-----
06A1.BJ.x.B76.AJ293865	-----	-----	-----	-----	-----	-----	-----	-----	-----
1819.CU.99.CU64.AY894995	AG-TGGCGCC	CGAACAGG--	-----	-----	-----	GACTTGA	AA-GCGAAAG	TAGITT--	-----
26C.CD.02.02CD_LBTB032.FM87777	AG-TGGCGCC	CGAACAGGGA	CTGAAA-AG	CGAAGTAAA	AGGGACTCGA	AA-GCGCGG	TT-----	-----	-----
26C.CD.97.97CD_KFE267.FM877778	AG-TGGCGCC	CGAACAGGGA	CTTGAAA-GC	GAAAGTAAA-	AGGGACTCGA	AA-GCGGAAAG	TT-----	-----	-----
26C.CD.97.MBFE250.FM877783	AG-TGGCGCC	CGAACAGGGA	CTTGAAAAGC	GAAAGT-AAA	AGGGACTCGA	AA-GCGGAAAG	TT-----	-----	-----
A1B.EE.02.EST2002_394.DQ167216	AG-TGGCGCC	CGAACAGG--	-----	-----	-----	GACTTGA	AA-GCGAAAG	TT-----	-----
A1BD.GB.03.34567.JN417238	AG-TGGCGCC	CGAACAGG--	-----	-----	-----	GACTCGA	AA-GCGAAAG	TAGAA--	-----
A1C.CA.04.04CA7750.EU220698	AG-TGGCGCC	CGAACAGG--	-----	-----	-----	GACTCGA	AA-GCGAAAG	TGTT--	-----
A1C.IN.01.1579A.DQ083238	AG-TGGCGCC	CGAACAGGGA	CTTGAAAAGC	GAAAG-TAAT	AGGGACTCGA	AA-GCGAAAG	TT-----	-----	-----
A1C.IN.95.95IN21301.AF067156	AG-TGGCGCC	CGAACAGG--	-----	-----	-----	GACTTGA	AA-GCGAAAG	TAAGA--	-----
A1C.RW.92.92RW009_06.U88823	-----	-----	-----	-----	-----	-----	ATGA	AA-GCGAAAG	TAAGA--
A1CD.KE.02.ML2000.EU110093	-----	-----	-----	-----	-----	-----	-T	-----	-----
A1CD.SE.95.SE8603.AF075702	-----	-----	-----	-----	-----	-----	-----	-----	-----
A1CDGKU.ZA.99.CM4_99ZACM4.AF41	AG-TGGCGCC	CGAACAGG--	-----	-----	-----	GACTTGA	AA-ACGAAAG	TAAGA--	-----
A1CG.KE.02.ML1979PCR.EU110096	-----	-----	-----	-----	-----	-----	-----	-----	-----
A1D.DK.96.FSA.DQ912822	-----	-----	-----	-----	-----	GGACTTGA	AA-GCGAAAG	TAGAA--	-----
A1D.DK.98.MA.DQ912823	AG-TGGCGCC	CGAACAGG--	-----	-----	-----	GACTTGA	AA-GCGAAAG	TAGAA--	-----
A1D.GB.00.8179.JN417236	AG-TGGCGCC	CGAACAGG--	-----	-----	-----	GACTTGA	AA-GCGAAAG	TAGAA--	-----
A1D.GB.03.33365.JN417239	AG-GGCGCC	CGAACAGG--	-----	-----	-----	GACTTGA	AA-GCGAAAG	TAGAA--	-----
A1D.GB.10.11762.JN417241	AG-TGGCGCC	CGAACAGG--	-----	-----	-----	GACTCGA	AA-GCGAAAG	TAGAA--	-----
A1D.GB.10.12792.JN417240	AG-TGGCGCC	CGAACAGG--	-----	-----	-----	GACTCGA	AA-GCGAAAG	TAGAA--	-----
A1D.KE.02.ML1974.EU110090	-----	-----	-----	-----	-----	-----	-----	A	-----
A1D.SE.93.SE6954.AF075701	-----	-----	-----	-----	-----	-----	-----	-----	-----
A1D.TZ.96.TZBFL0011.AF442569	-G-TGGCGCC	CGAACAGG--	-----	-----	-----	GACTTGA	GA-GCGAAAG	TAGAA--	-----
A1D.TZ.96.TZBFL0088.AF442570	-G-TGGCGCC	CGAACAGG--	-----	-----	-----	GACTTGA	AA-GCGAAAG	TT-----	-----
A1D.TZ.97.TZBFL0086.AF442566	-G-TGGCGCC	CGAACAGG--	-----	-----	-----	GACTTGA	AA-GCGAAAG	TAGAA--	-----
A1D.UG.07.p191947.JX236674	AG-TGGCGCC	CGAACAGGGA	CCTGAAA-GC	GAAAGTTAAT	AGGGACTCGA	AA-ACGAAAG	TT-----	-----	-----
A1D.UG.08.p191982.JX236675	AG-TGGCGCC	CGAACAGG--	-----	-----	-----	GACTTGA	AA-GCGAAAG	TAAAA--	-----
A1D.UG.90.UG266.AY352657	-G-TGGCGCC	CGAACAGG--	-----	-----	-----	GACTCGA	AA-GCGAAAG	TT-----	-----
A1D.UG.92.UG035.AY352656	-G-TGGCGCC	CGAACAGG--	-----	-----	-----	GACTCGA	AA-GCGAAAG	TT-----	-----
A1DHK.NO.97.97N0GIL3.AJ237565	AG-TGGCGCC	CGAACAGG--	-----	-----	-----	GACCTGA	AA-GCGAAAG	TGGAA--	-----
A1DK.CD.85.MAL_MALCG.X04415	AG-TGGCGCC	CGAACAGGGA	CTTTAAA-GT	GAAAGT-AAC	AGGGACTCGA	AA-GCGGAAAG	TT-----	-----	-----
A1G.BE.94.VI1197.AJ276596	-----	-----	-----	-----	-----	-----	-----	-----	-----
A1G.NG.92.92NG003.U88825	-----	-----	TTGAA	AGCG-----	AAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----	-----
A1G.RU.11.11RU6900.JX500697	AG-TGGCGCC	CGAACAGGGA	CCGG-----	AAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----	-----	-----
A1G.RU.11.11RU6939.JX500706	AG-TGGCGCC	CGAACAGGGA	CCTG-----	AAAGTTAAT	AGGGACTCGA	AA-GCGAAAG	TT-----	-----	-----
A1GHU.GA.x.VI354.AF076474	-----	-----	CGA	CTTGAAA-GC	GAAAG-TAAT	AGGGACTCGA	AA-GCGAAAG	TT-----	-----
A1GJ.BW.98.BW2117.AF192135	AG-TGGCGCC	CGAACAGG--	-----	-----	-----	GACTCGA	AA-GCGAAAG	TAAGA--	-----
A2C.ZA.98.DU178_98ZADU178.AF41	AG-TGGCGCC	CGAACAGG--	-----	-----	-----	GACCTGA	AA-GCGAAAG	TAAGA--	-----
A2C.ZM.90.ZAM184.U86780	AG-TGGCGCC	CGAACAGG--	-----	-----	-----	GACTTGA	AA-GCGAAAG	TAAGA--	-----
A2CD.KE.01.ML1956.EU110089	-----	-----	-----	-----	-----	-----	-----	A	-----
AC.KE.97.ML672.AY322191	AG-TGGCGCC	CGAACAGGGA	CTTGAAA-GC	GAAAGTAAAT	AGGGACTTGA	AA-GCGAAAG	TT-----	-----	-----
AC.ZA.04.04ZAPS204B1.DQ093606	AG-TGGCGCC	CGAACAGG--	-----	-----	-----	GACCCGA	AA-GCGAAAG	TAAGA--	-----
AGKU.CD.x.BCF_Kita.AB485665	AG-TGGCGCC	CGAACAGG--	-----	-----	-----	GACTCGA	AA-GCGAAAG	TAA--	-----
BC.AR.01.ARE195FL.AY968312	-----	-----	-----	-----	-----	-----	-----	-----	-----
BC.BR.01.01_BR_RGS45.GQ365651	AG-TGGCGCC	CGAACAGG--	-----	-----	-----	GACCTGA	AA-GCGAAAG	TGAGA--	-----
BC.BR.01.01_BR_RGS69.GQ365652	AG-TGGCGCC	CGAACAGG--	-----	-----	-----	GACTTGA	AA-ACGAAAG	TAAGA--	-----
BC.BR.02.02_BR_HF31.GQ365649	AG-TGGCGCC	CGAACAGG--	-----	-----	-----	GACTTGA	AA-GCGAAAG	TAAGA--	-----
BC.BR.05.05_BR_NSP24.GQ365650	AG-TGGCGCC	CGAACAGG--	-----	-----	-----	GACCAGA	AA-GCGAAAG	TAGAA--	-----
BC.BR.06.06BR1114.JN692478	AG-TGGCGCC	CGAACAGG--	-----	-----	-----	GACTTGA	AA-GCGAAAG	TAGAA--	-----
BC.BR.92.92BR023.HM100716	AG-TGGCGCC	CGAACAGG--	-----	-----	-----	GACTTGA	AA-GCGAAAG	TAAGA--	-----
BC.CN.07.309.HM776938	AG-TGGCGCC	CGAACAGG--	-----	-----	-----	GACTTGA	AA-GCGAAAG	TGAGA--	-----
BC.CN.07.341.HM776939	-G-TGGCGCC	CGAACAGG--	-----	-----	-----	GACTTGA	AA-GTGAAG	TAAGA--	-----

BC.IN.02.INDNARI_0218440.EU000	AG-TGGCGCC CGAACAGG--	-----	-----	--GACCCGAA AA-GTGAAAG TAAGA----	-----	-----	-----	-----
BC.IN.02.NARI7_3.EU000511	AG-TGGCGCC CGAACAGG--	-----	-----	--GACCCGA AA-GCGAAAG TAAGA----	-----	-----	-----	-----
BC.IN.02.NARI9_3.EU000508	AG-TGGCGCC CGAACAGG--	-----	-----	--GACCTTGA AA-GCGAAAG TAAGA----	-----	-----	-----	-----
BC.IN.99.NARI10_2.EU000516	AG-TGGCGCC CGAACAGG--	-----	-----	--GACGCGA AA-GCGAAAG TGAGA----	-----	-----	-----	-----
BC.MM.99.mIDU103.AB097873	AG-TGGCGCC CGAACAGG--	-----	-----	--GACCTTGA AA-GCGAAAG TGAGA----	-----	-----	-----	-----
BCU.FR.06.06FR CRN.EU448296	AG-TGGCGCC CGAACAGG--	-----	-----	--GACCTTGA AA-GCGAAAG TAAAGA----	-----	-----	-----	-----
BF.BR.03.BREPM1026.EF637055	-----	-----	-----	--GGAACCTTGA AA-GCGAAAG TGAGA----	-----	-----	-----	-----
BF.BR.03.BREPM1029.EF637052	-----	-----	-----	-----	-----	-----	-----	-----
BF1.BR.00.BREPM13853.DQ085875	AG-TGGCGCC CGAACAGG--	-----	-----	--GACTTGA AA-ACGAAAG TAAAA----	-----	-----	-----	-----
BF1.BR.01.01BR042.DQ358799	AG-TGGCGCC CGAACAGG--	-----	-----	--GACTTGA AA-GCGAAAG TAGAA----	-----	-----	-----	-----
BF1.BR.01.01BR047.DQ358800	AG-TGGCGCC CGAACAGG--	-----	-----	--GACCTGA AA-GCGAAAG TAGAA----	-----	-----	-----	-----
BF1.BR.01.01BR226.DQ358803	AG-TGGCGCC CGAACAGG--	-----	-----	--GACCTGA AA-GCGAAAG TAGAA----	-----	-----	-----	-----
BF1.BR.01.01BR323.DQ358804	AG-TGGCGCC CGAACAGG--	-----	-----	--GACTTGA AA-GTGAAAG TAGAA----	-----	-----	-----	-----
BF1.BR.02.02BR005.DQ358806	AG-TGGCGCC CGAACAGG--	-----	-----	--GACCCGA AA-GCGAAAG TAGAA----	-----	-----	-----	-----
BF1.BR.02.02BR006.DQ358807	AG-TGGCGCC CGAACAGG--	-----	-----	--GACCCGA AA-GCGAAAG TAGAA----	-----	-----	-----	-----
BF1.BR.02.02BR033.DQ358811	-----	-----	-----	---TGA AA-GCGAAAG TAGAA----	-----	-----	-----	-----
BF1.BR.02.02BR034.DQ358812	AG-TGGCGCC CGAACAGG--	-----	-----	--GACGTGA AA-GCGAAAG TAGAA----	-----	-----	-----	-----
BF1.BR.02.02BR2028.JN692437	AG-TGGCGCC CGAA-AGG--	-----	-----	--GACTTGA AA-GCGAAAG TAGAG----	-----	-----	-----	-----
BF1.BR.03.03BR2018.JN692449	AG-TGGCGCC CGAACAGG--	-----	-----	--GACCAGA AA-GCGAAAG TAGAA----	-----	-----	-----	-----
BF1.BR.03.03BR2019.JN692448	-----	-----	-----	-----T-----	-----	-----	-----	-----
BF1.BR.04.04BR1067.JN692456	AG-TGGCGCC CGAACAGG--	-----	-----	--GACCCGA AAAGCGAAAG TAGAA----	-----	-----	-----	-----
BF1.BR.05.0008SP.JF804805	----GCGCC CGAACAGG--	-----	-----	--GAC-TGA AA-GCGAAAG TAGAA----	-----	-----	-----	-----
BF1.BR.05.0632SV.JF804810	-----	-----	-----	-----	-----	-----	-----	-----
BF1.BR.06.06BR FPS561.HM026455	AG-TGGCGCC CGAACAGG--	-----	-----	--GACTTGA AA-GCGAAAG CAGAA----	-----	-----	-----	-----
BF1.BR.99.BREPM107.AY771588	-----	-----	-----	-----	-----	-----	-----	-----
BF1.BR.99.BREPM108.AY771589	AG-TGGCGCC CGAACAGG--	-----	-----	--GACTTGA AA-ACGAAAG TAAGA----	-----	-----	-----	-----
BF1.BR.99.BREPM11931.DQ085869	AG-TGGCGCC CGAACAGG--	-----	-----	--GACCTGA AA-GCGAAAG TAAGA----	-----	-----	-----	-----
BF1.ES.08.ES_X2524_2.GQ372989	AG-TGGCGCC CGAACAGG--	-----	-----	--GACTTGA AA-GCGAAAG TAGAA----	-----	-----	-----	-----
BF1.ES.08.X2432_2.FJ853621	AG-TGGCGCC CGAACAGG--	-----	-----	--GACCTGA AA-GCGAAAG TAGAA----	-----	-----	-----	-----
BF1.ES.09.DEMBF09ES003.JX14066	AG-TGGCGCC CGAACAGG--	-----	-----	--GACGTGA AA-ACGAAAG TAGAA----	-----	-----	-----	-----
BF1.ES.09.DEMBF09ES006.JX14066	-----ACAGG--	-----	-----	--GACTTGA AA-GCGAAAG TAGAA----	-----	-----	-----	-----
BF1.IT.01.53143.GU595149	-----	-----	-----	-----	-----	-----	-----	-----
BF1.IT.02.30638.GU595148	-----	-----	-----	-----	-----	-----	-----	-----
BF1.IT.02.57954.GU595150	AG-TGGCGCC CGAACAGG--	-----	-----	--GACTCGA AA-GCGAAAG TAGAA----	-----	-----	-----	-----
BF1.IT.02.58736.GU595160	AG-TGGCGCC CGAACAGG--	-----	-----	--GACTTGA AA-GCGAAAG TAGAA----	-----	-----	-----	-----
BF1.IT.02.59211.GU595151	AG-TGGCGCC CGAACAGG--	-----	-----	--GACTTGA AA-GCGAAAG TAAGA----	-----	-----	-----	-----
BF1.IT.05.83166.GU595152	AG-TGGCGCC CGAACAGG--	-----	-----	--GACTTGA AA-GCGAAAG TAAAA----	-----	-----	-----	-----
BF1.IT.06.89072.GU595153	AG-TGGCGCC CGAACAGG--	-----	-----	--GACTAGA AA-GCGAAAG TAGAA----	-----	-----	-----	-----
BF1.JP.04.DR6082.AB480298	AG-TGGCGCC CGAACAGG--	-----	-----	--GACGCGA AA-GCGAAAG TAGAA----	-----	-----	-----	-----
BF1.JP.04.DR6190.AB480300	AG-TGGCGCC CGAACAGG--	-----	-----	--GACGCTGA AA-GCGAAAG TAGAA----	-----	-----	-----	-----
BF1.JP.x.DR0769.AB253430	AG-TGGCGCC CGAACAGG--	-----	-----	---GACGCGA AA-GCGAAAG TAGAA----	-----	-----	-----	-----
BFG.MO.05.MO108.GU207884	-----C CGAACAGGGA CTTGAAA-GC	GAAGTTAAAC	AGGGACTCGA	AA-GCGAAAG TT-----	-----	-----	-----	-----
BG.CU.x.Cu100.AY586546	AG-TGGCGCC CGAACAGGGA CTTGAAA-GC	GAAGTTAAAC	AGGGACTCGA	AA-GCGAAAG TT-----	-----	-----	-----	-----
BG.DE.01.9196_01.AY882421	AG-TGGCGCC CGAACAGGGA CTTGAAA-GC	GAAGT-AAC	AGGGACTCGA	AA-GCGAAAG TT-----	-----	-----	-----	-----
CD.KE.01.ML1076.EU110086	-----	-----	-----	---AGA-----	-----	-----	-----	-----
CU.JP.04.DR5782.AB286849	AG-TGGCGCC CGAACAGG--	-----	-----	--GACGCGA AA-GCGAAAG TAAAA----	-----	-----	-----	-----
DF1G.ES.04.X963_4.FJ670527	AG-TGGCGCC CGAACAGG--	-----	-----	--GACTTGA AA-GTGAAAG TTAATAGGGA	CTCGAAAGCG	GAAGTT----	-----	-C----
DO.FR.08.RBF208.GQ351296	AG-TGGCGCC CGAACAGG--	-----	-----	--GACCCGA AA-GAGAAAG TGAAA----	-----	-----	-----	-----

--SD/3WJ----										SD-----Sda-----									
....																			
205		215		225		235		245		255		265		275		285		295	
B.FR.83.HXB2_LAI_IIIB_BRU.K034	CACAGAGGAG	--CTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAA	-----	CGCGGCACGG	CAAGAGGCCA	GGGG	-----	CGCGCA	--CTG	GTGAGTAC						
A1.CD.02.02CD_KTB035.AM000055	CACAGAGAAG	--TTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAG	-----	GTGCACACAG	CAAGAGGCCA	GAG	-----	CGCGCA	--CTG	GTGAGTAC						
A1.CD.97.97CD_KCC2.AM000053	CACAGAGAAG	--TTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAG	-----	GTGCACACAG	CAAGAGGCCA	GAG	-----	CGCGCA	--CTG	GTGAGTAC						
A1.ES.05.X1608_8.FJ670519	CACAGAGAAG	--TTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAG	-----	GTGCACACAG	CAAGAGGCCA	GAG	-----	CGCGCA	--CTG	GTGAGTAC						
A1.IT.02.60000.EU861977	CACAGAGAAG	--WTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAG	-----	GTGCACACAG	CAAGAGGCCA	GAGG	-----	CGCGCA	--CTG	GTGAGTAC						
A1.KE.01.ML1901PCR2.EU110095	CACAGAGAAG	--ATCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAG	-----	GTGCACACAG	CAAGAGGCCA	GAG	-----	CGCGCA	--CTG	GTGAGTAC						
A1.KE.01.ML1945.EU110088	CACAGAGAAG	--TTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAG	-----	GTGCACACAG	CAAGAGGCCA	GAG	-----	CGCGCA	--CTG	GTGAGTAC						
A1.KE.02.ML1990.EU110092	CACAGAGAAG	--TTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAG	-----	GTGCACACAG	CAAGAGGCCA	GAG	-----	CGCGCA	--CTG	GTGAGTAC						
A1.KE.02.ML2014.EU110094	CACAGAGAAG	--TTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAG	-----	GTGCACACAG	CAAGAGGCCA	GAG	-----	CGCGCA	--CTG	GTGAGTAC						
A1.KE.86.ML170_1986.AF539405	CACAGAGAAG	--TTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAG	-----	GTGCACACAG	CAAGAGGCCA	GAG	-----	CGCGCA	--CTG	GTGAGTAC						
A1.KE.94.Q23_17.AF004885	CACAGAGAAG	--TTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAG	-----	GTGCACACAG	CAAGAGGCCA	GAG	-----	CGCGCA	--CTG	GTGAGTAC						
A1.KE.97.ML013_2.AY322185	CACAGAGAAG	--TTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAG	-----	GTGCACACAG	CAAGAGGCCA	GAG	-----	CGCGCA	--CTG	GTGAGTAC						
A1.KE.97.ML605_3.AY322190	CACAGAGAAG	--TTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAG	-----	GTGCACACAG	CAAGAGGCCA	GAG	-----	CGCGCA	--CTG	GTGAGTAC						
A1.KE.97.ML752.AY322193	CACAGAGAGG	--TTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAG	-----	GTGCACACAG	CAAGAGGCCA	GAG	-----	CGCGCA	--CTG	GTGAGTAC						
A1.RU.00.RU00051.EF545108	-----	-----	-----	CTCGGCTTGC	TGAG	-----	GTGC-CACAG	CAAGAGGCCA	GAG	-----	CGCGCA	--CYG	GTGAGTAC						
A1.RU.05.RU_560_1125.JA.QJ2928	-----	-----	-----	CTCGGCTTGC	TGAG	-----	-----	-----	-----	-----	CGGG	-----	CGGGATAC						
A1.RU.06.RU_915_1016.JQ292896	CACAGAGAAG	--TTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAG	-----	GTGCACACAG	CAAGAGGCCA	GAG	-----	CGCGCA	--CTG	GTGAGTAC						
A1.RU.06.RU_915_1035.JQ292897	CACAGAGAAG	--TTCTCTCG	ACGCAGG--G	CTCGGCTTGC	TGAG	-----	GTGCACACAG	CAAGAGGCCA	GAG	-----	CGCGCA	--CTG	GTGAGTAC						
A1.RU.06.RU_915_1038.JQ292898	CACAGAGAAG	--TTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAG	-----	GTGCACACAG	CAAGAGGCCA	GAG	-----	CGCGCA	--CTG	GTGAGTAC						
A1.RU.06.RU_915_1041.JQ292899	CACAGAGAAG	--TTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAG	-----	GTGCACACAG	CAAGAGGCCA	GAG	-----	CGCGCA	--CTG	GTGAGTAC						
A1.RU.06.RU_SP_B_049.JQ292																			

B. BR. 05.05BR1101.JN692473 CCAGAGGAGG --ATCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACGG CAAGAGGCGA GGGG----CG GCGG---CTG --GTGAGTAC
B. BR. 05.05BR1104.JN692474 CCAGAGAAG--ATCTCTCG ACGCAGG--A CTCGGCTTAC TGAA----- GCGCGCGCGG CAAGAGGCGA GGGG----CG GCGA---CCG --GTGAGTAC
B. BR. 05.05BR1107.JN692475 CCAGAGAAG--ATCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. BR. 05.05BREP1081.FJ195091 CCAGAGGAG--ATCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. BR. 05.05BREP1084.FJ195088 CCAGAGGAG--ACCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCTCAG CAAGAGGCGA GGGG----CG GCGA---CCG --GTAGGTAC
B. BR. 05.05BREP1093.FJ195089 CCAGAGGAG--ATCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. BR. 06.06BR1115.JN692479 CCAGAGAAG--ATCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. BR. 06.06BR1119.JN692480 CCAGAGGAG--ATCTCTCG ACGCAGG--A CTCGGCTTGC TGA----- GCGCGCACAG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. CA. 06.502.1027.wg01.JF320413 CCAGAGAAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACGG CAAGAGGCGA GGGG----CG GCGA---CCG --GTGAGTAC
B. CA. 06.502.1799.FL02.JF320427 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. CA. 07.502.1191.03.JF320424 CCAGAGGAG--ATCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCGCGG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. CA. 96.WC10C.4.AY314056 CCAGAGGAG--ATCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACGG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. CA. 97.CANB3FULL.AY779553 -----CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. CH. 03.HIV.CH.BID.V4470.2003. -----GACAAGGA ACTACGG--A CTCGGCTTGC TGAA----- GCGCGCACGG CAAGAGGCGA GGGG----CG GCGG---CTG --GTGAGTAC
B. CN. 01.CNH24.AY180905 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GAG----CG GCGA---CTG --GTGAGTAC
B. CN. 02.02HNSc11.DQ007903 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GAG----CG GCGA---CTG --GTGAGTAC
B. CN. 03.SHXDC0081.JF932492 CCAGAGAAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GAG----CG GCGA---CTG --GTGAGTAC
B. CN. 05.05CNHB_hp3.DQ990880 CCAGAGGAG--ATCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. CN. 06.CC056.JF932482 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCGCAG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. CN. 07.AH070011.JF932468 CCAGAGAAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GAG----CG GCGG---CTG --GTGAGTAC
B. CN. 07.AH070014.JF932469 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GAG----CG GCGA---CTG --GTGAGTAC
B. CN. 07.AH070017.JF932470 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GAG----CG GCGA---CTG --GTAGTAC
B. CN. 07.AH070018.JF932471 CCAGAGAAG--ATCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCGCAG CAAGAGGCGA GAG----CG GCGA---CTG --GTGAGTAC
B. CN. 07.AH070057.JF932472 CCAGAGCAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GAG----CG GCGA---CTG --GTGAGTAC
B. CN. 07.BJ070030.JF932473 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GAG----CG GCGA---CTG --GTGAGTAC
B. CN. 07.CBJC261.JF932474 CCAGAGAAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCGCAG CAAGAGGCGA GAG----CG GCGA---CTG --GTGAGTAC
B. CN. 07.CBJC392.JF932475 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GAG----CG GCGA---CTG --GTGAGTAC
B. CN. 07.CBJC394.JF932476 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GAG----CG GCGA---CTG --GTGAGTAC
B. CN. 07.CBJC396.JF932477 CCAGAGAAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GAG----CG GCGA---CTG --GTGAGTAC
B. CN. 07.GS070017.JF932484 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. CN. 07.GZ070002.JF932485 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCGCAG CAAGAGGCGA GAG----CG GCGA---CTG --GTGAGTAC
B. CN. 07.GZ070030.JF932486 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCGCAG CAAGAGGCGA GAG----CG GCGA---CTG --GTGAGTAC
B. CN. 07.HB070006.JF932487 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCGCAG CAAGAGGCGA GAG----CG GCGG---CTG --GTGAGTAC
B. CN. 07.HB070022.JF932488 CCAGAGAAG--ATCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GAG----CG GCGA---CTG --GTGAGTAC
B. CN. 07.HB070035.JF932489 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. CN. 07.JL070038.JF932490 -----CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. CN. 07.SX070080.JF932493 CCAGAGGAG--ATCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCGCAG CAAGAGGCGA GAG----CG GCGA---CTG --GTGAGTAC
B. CN. 07.hb070025.JF932499 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GAG----CG GCGA---CTG --GTGAGTAC
B. CN. 07.hen1345.JF932500 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCGCAG CAAGAGGCGA GAG----CG GCGG---CTG --GTGAGTAC
B. CN. 08.CBJC476.JF932478 CCAGAGGSG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GAG----CG GCGA---CTG --GTGAGTAC
B. CN. 08.CBJC489.JF932479 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GAG----CG GCGA---CTG --GTGAGTAC
B. CN. 08.CBJC500.JF932480 CCAGAGGAG--CTCTCTCG ACGCAGG--G CTCGGCTTGC TGAA----- GCGTGCAG CAAGAGGCGA GAG----CG GCGA---CTG --GTGAGTAC
B. CN. 08.CBJC503.JF932481 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GAG----CG GCGA---CTG --GTGAGTAC
B. CN. 08.cbj468.JF932498 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GAG----CG GCGA---CTG --GTGAGTAC
B. CN. 09.YN09P0014.JF932494 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GAG----CG GCGA---CTG --GTGAGTAC
B. CN. 09.ZK042.JF932497 CCAGAGGAG--ATCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCGCAG CAAGAGGCGA GAG----CG GCGG---CTG --GTGAGTAC
B. CN. 10.DEMB10CN002.JX140658 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GGGG----CG GCGA---CCG --GTGAGTAC
B. CN. 98.YN9802.JF932495 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GAG----CG GCGA---CTG --GTGAGTAC
B. CN. 98.YN9838.JF932496 CCGGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GAG----CG GCGA---CTG --GTGAGTAC
B. CN. 99.plwj.GU177863 CCAGAGGAG--ATCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCGCAG CAAGAGGCGA GGG----CG GCGA---CTG --GTGAGTAC
B. CN. x.RL42.U71182 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GAG----CG GCGA---CTG --GTGAGTAC
B. CU. 99.Cu19.AY586542 -----GGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. CU. 99.Cu43.AY586543 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACGG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. DE. 86.D31.U43096 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. DE. 86.HAN.U43141 CCAGAGGAG--ATCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACGG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. DK. 01.CTL.016.EF514704 CCAGAGGAG--ATCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. DK. 01.CTL.017.EF514705 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. DK. 01.CTL.018.EF514706 CCAGAGGAG--CTCTCTCG GCGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACGG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. DK. 01.CTL.023.EF514707 -----TCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. DK. 01.CTL.030.EF514708 CCAGAGAAG--ATCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. DK. 01.CTL.033.EF514709 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. DK. 01.CTL.035.EF514710 -----TCGCA G-----G-A CTCGGCTTGC TGAA-----G GCGCGCACAG CAAGAGGCGA GGGGCG--CG ACGA---CTG --GTGAGTAC
B. DK. 01.CTL.041.EF514711 -----TCGCA G-----G-A CTCGGCTTGC TGAA-----G GCGCGCACAG CAAGAGGCGA GGGGCG--CG ACGA---CTG --GTGAGTAC
B. DK. 01.CTL.043.EF514712 -----TCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCGCGG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. DK. 04.PMVL.012.EF514699 CCAGAGGAG--CTCTCTCG GCGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACRG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. DK. 04.PMVL.013.EF514700 CCAGAGGAG--ATCTCTCG GCGCAGG--A CTCGGCTTGC TGAA----- GCGCGCGTGG CAAGAGGCGA GGGG----CG GCGA---ACG --GTGAGTAC
B. DK. 04.PMVL.018.EF514697 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GGGG----CG GCGG---CTG --GTGAGTAC
B. DK. 04.PMVL.025.EF514702 CCAGAGGAG--ATCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. DK. 04.PMVL.027.EF514698 CCAGAGGCG--TCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACGG CAAGAGGCGA GGGG----CG GCGG---CTA G--GTAGTAC
B. DK. 04.PMVL.039.EF514703 CATTTTAA--AAGAAGGG GGGATG--G GGGGGCTTGT TGAA----- GGGCGAGCGG CAAGAGGCGA GGGG----CG GCGG---AC--GTAGAGAC
B. DK. 04.PMVL.049.EF514701 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACGG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. DK. 07.PMVL.011.FJ694790 CCAGAGAAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACGG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. ES. 05.X1890.EU786672 CCAGAGGAG--ATCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACGG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. ES. 06.X1959.EU786675 CCAGAGAAG--ATCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GGGG----CG GCGA---CCG --GTGAGTAC
B. ES. 06.X2102.EU786677 CCAGAGGAG--ATCTCTCG ACGCAGG--A CTCGGCTTGC TTGA----- GCGCGCAAGG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. ES. 07.X2149.EU786678 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. ES. 07.X2210.3.EU786679 CCAGAGAAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. ES. 07.X2231.EU786680 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACGG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. ES. 08.ES.X2515.3.GQ372988 CCAGAGGAG--ATCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GGGG----CG GCGA---ACG --GTGAGTAC
B. ES. 08.ES.X2556.3.GQ372990 CCGGAGAAG--ATCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACGG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. ES. 08.P2008.FJ670531 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. ES. 08.X2425.2.FJ670525 CCAGAGGAG--ATCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACGG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. ES. 08.X2510.2.FJ853622 CCAGAGGAG--CTCTCTTG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACGG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. ES. 08.X2555.2.GU362883 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCGCGG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. ES. 08.X2574.2.GU362886 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. ES. 09.P2149.3.GU362881 CCAGAGGAG--AATCTCTCG ACGCAGG--A CTCGGCTTGC TG-----AAGCGCACAG CAAGAGGCGA GGGG----CA GCGA---CTG --GTGAGTAC
B. ES. 09.X2689.2.GU362885 CCAGAGAAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACGG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. ES. 89.U61.DQ854716 CCAGAGAAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACGG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. FR. 05.DEMB05FR001.JX140652 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACGG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. FR. 08.DEMB08FR002.JX140654 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC CGAA----- GCGCGCACGG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. GA. 88.OYI.397.M26727 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TTAG-----GCGCGCACGG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. GB. 05.MM45d213.GN1.HM586212 CCAGAGAAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACGG CAAGAGGCGA GGGG----CG GCGA---CCG --GTGAGTAC
B. GB. 83.CAM1.D10112 CCGGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. GB. 86.GB8.46R.AJ271445 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCGCGG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. GB. x.MANC.U23487 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACGG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. HK. 06.HK003.FJ460500 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCGCGG CAAGAGGCGA GGGG----CG GCGA---CCG --GTGAGTAC
B. HK. 06.HK004.FJ460501 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACGG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. IN. x.11807.EF694037 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACGG CAAGAGGCGA GGGG----CG GCGA---CCG --GTGAGTAC
B. IT. 05.SG1.DQ672623 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. JP. 00.DR2508.AB289588 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGTGCACGG CAAGAGGCGA GGGG----CG GCGA---ACG --GTGAGTAC
B. JP. 01.DR388.AB289590 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACGG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. JP. 04.04JFDR6075B.AB221125 CCGGAGGAG--ATCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. JP. 04.DR5913.AB480696 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACGG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. JP. 04.DR6089.AB286955 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC
B. JP. 04.DR6174.AB480692 CCAGAGGAG--CTCTCTCG ACGCAGG--A CTCGGCTTGC TGAA----- GCGCGCACAG CAAGAGGCGA GGGG----CG GCGA---CTG --GTGAGTAC

B.FP.04.DR6175.AB480694	CCAGAGGAG--	--ATCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAA-----	CGCGGCACAG	CAAGAGGCGA	GGGG---CG	CGCG--	--CTG	--GTGAGTAC
B.JP.05.DR6538.AB287363	CCAGAGGAG--	--CTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAG-----	--CGCGCACAG	CAAGAGGCGA	GGGG---CG	CGCG--	--CTG	--GTGAGTAC
B.JP.05.DR6737.AB287364	CCGAGGCAG--	--CTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAA-----	CGCGGCACAG	CAAGAGGCGA	GGGG---AG	CGCG--	--CTG	--GTGAGTAC
B.JP.05.DR7060.AB287366	CCAGAGGAG--	--ATCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAA-----	CGCGGCACAG	CAAGAGGCGA	GGGG---AG	CGCG--	--CTG	--GTGAGTAC
B.JP.05.DR7065.AB287368	CCAGAGTAG--	--ATCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAG-----	--CGCGCACAG	CAAGAGGCGA	GGGG---CG	CGCG--	--ACG	--GTGAGTAC
B.JP.98.DR1120.AB480698	CCAGAGGAG--	--ATCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAA-----	CGCGGCACAG	CAAGAGGCGA	GGGG---CG	CGCG--	--CTG	--GTGAGTAC
B.JP.99.DR1348.AB287370	CCAGAGGAG--	--CTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAA-----	CGCGGCACAG	CAAGAGGCGA	GGGG---CG	CGCG--	--CTG	--GTGAGTAC
B.JP.x.DR1673.AB564745	CCAGAGGAG--	--ATCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAA-----	CGCGGCACAG	CAAGAGGCGA	GGGG---CG	CGCG--	--CTG	--GTGAGTAC
B.JP.x.DR1712.AB604946	CCAGAGGAG--	--ATCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACACAG	CAAGAGGCGA	GGGG---CG	CGCG--	--CTG	--GTGAGTAC
B.JP.x.DR1777.AB604948	CCAGAGGAG--	--ATCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACACAG	CAAGAGGCGA	GGGG---CG	CGCG--	--CTG	--GTGAGTAC
B.JP.x.JRC03B.AB565496	CCAGAGGAG--	--CTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAA-----	CGCGGCACAG	CAAGAGGCGA	GGGG---CG	CGCG--	--ACG	--GTGAGTAC
B.JP.x.JRC05B.AB565497	CCAGAGGAG--	--ATCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAA-----	CGCGGCACAG	CAAGAGGCGA	GGGG---CG	CGCG--	--CTG	--GTGAGTAC
B.JP.x.JRC65B.AB565502	CCAGAGGAG--	--CTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAA-----A	CGCGGCACAG	CAAGAGGCGA	GAG---CG	CGCG--	--CTG	--GTGAGTAC
B.JP.x.pJPDRO796B02.AB565478	CCAGAGGAG--	--ATCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAA-----	CGCGGCACAG	CAAGAGGCGA	GGGG---CG	CGCG--	--CTG	--GTGAGTAC
B.JP.x.pJRC57B09.AB641836	CCGAGGAGG--	--ATCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAA---AGC	GCG---CGG	CAAGAGGCGA	GGGG---CG	CGCG--	--ACG	--GTGAGTAC
B.KR.02.020SG1.JQ429433	CCAGAGGAG--	--CTCTCTCG	ACACAGG--A	CTCGGCTTGC	TGAA-----	CGCGGCACAG	CAAGAGGCGA	GGGG---CG	CGCG--	--CTG	--GTGAGTAC
B.KR.03.03HJ78.JQ316131	CCGAGGAGG--	--CTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAA-----	CGCGGCACAG	CAAGAGGCGA	GGGG---CG	CGCG--	--CTG	--GTGAGTAC
B.KR.03.03KDE11.JQ316128	CCGAGGAGG--	--CTCTCTTG	ACGCAGG--A	CTCGGCTTGC	TGAA-----	CGCGGCACAG	CAAGAGGCGA	GGGG---CG	CGCG--	--CTG	--GTGAGTAC
B.KR.03.03KG85.JQ316132	CCGAGGAGG--	--CTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAA-----A	CGCGGCACAG	CAAGAGGCGA	GGGG---CG	CGCG--	--CTG	--GTGAGTAC
B.KR.03.03LSH1.JQ316127	CCGAGGAGG--	--CTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAA-----	CGCGGCACAG	CAAGAGGCGA	GGGG---CG	CGCG--	--CTG	--GTGAGTAC
B.KR.03.03YG83.JQ316135	CCGAGGAGG--	--CTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAA-----	CGCGGCACAG	CAAGAGGCGA	GGGG---CG	CGCG--	--ACG	--GTGAGTAC
B.KR.04.04CW85.JQ316133	CCAGAGGAG--	--CTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAA-----	CGCGGCACAG	CAAGAGGCGA	GAGG---CG	CGCG--	--CTG	--GTGAGTAC
B.KR.04.04KJ58.JQ316130	CCGAGGAGG--	--CTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAA-----	CGCGGCACAG	CAAGAGGCGA	GGGG---CG	CGCG--	--CTG	--GTGAGTAC
B.KR.04.04KMH5.DQ295193	CCGAGGAGG--	--CTCTCTTG	ACGCAGG--A	CTCGGCTTGC	TGAA-----	CGCGGCACAG	CAAGAGGCGA	GGGG---CG	CGCG--	--CTG	--GTGAGTAC
B.KR.04.04KMS5.JQ316126	CCAGAGGAG--	--CTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAA-----	CGCGGCACAG	CAAGAGGCGA	GGGG---CG	CGCG--	--ACG	--GTGAGTAC
B.KR.04.04LHX6.AY839827	CCGAGGAAG--	--ATCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAA-----	CGCGGCACAG	CAAGAGGCGA	GGGG---CG	CGCG--	--CTG	--GTGAGTAC
B.KR.04.04LSK7.DQ295192	CCAGAGGAG--	--CTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAG-----	--CGCGCACAG	CAAGAGGCGA	GGGG---CA	CGCG--	--CTG	--GTGAGTAC
B.KR.04.04WK7_HIV_1_wk.DQ29519	CCGAGGAGG--	--CTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAA-----	CGCGGCACAG	CAAGAGGCGA	GGGG---CG	CGCG--	--CTG	--GTGAGTAC
B.KR.05.05CSR3.DQ837381	CCAGAGGAG--	--CTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAA-----	CGCGGCACAG	CAAGAGGCGA	GGGG---CG	CGCG--	--CCG	--GTGAGTAC
B.KR.05.05YJN2.JQ316134	CCAGAGGAG--	--CTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAA-----	CGCGGCACAG	CAAGAGGCGA	GGGG---CG	CGCG--	--CTG	--GTGAGTAC
B.KR.07.07KYY4.JQ341411	CCGAGGAGG--	--CTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAA-----	CGCGGCACAG	CAAGAGGCGA	GGGG---			

ES. 07. X2118_2.EU84500	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----CG	GCGG--CTG	--GTGAGTAC
C.ES.08.X2363_2.EU786681	CCAGAGAAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACGG	CAAGAGGCGA	GAG-----GG	GCGA--CTG	--GTGAGTAC
C.ET.86.ETH2220.U46016	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----CG	GCGA--CTG	--GTGAGTAC
C.IL.98.98IS002.AF286233	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TAAA-----	GTGCACCTGG	CAAGAGGCGA	GAG-----CG	GCGA--CTG	--GTGAGTAC
C.IN.03.D24.EF469243	CCAGAGAAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----GG	GCGG--CTG	--GTGAGTAC
C.IN.93.93IN101.AB023804	CCAGAGAAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----CG	GCGA--CTG	--GTGAGTAC
C.IN.93.93IN904.AF067157	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----TG	GCGA--CTG	--GTGAGTAC
C.IN.93.93IN999.AF067154	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----CG	GCGA--CTG	--GTGAGTAC
C.IN.94.94IN11246.AF067159	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----CG	GCGA--CTG	--GTGAGTAC
C.IN.94.94IN476.AF286223	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCG	CAAGAGGCGA	GGG-----GG	GCGA--CTG	--GTGAGTAC
C.IN.95.95IN12068.AF067155	CCAGAGAAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----CG	GCGA--CTG	--GTGAGTAC
C.IN.98.98IN1021.AF286231	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GGGG-----TG	GCGG--CTG	--GTGAGTAC
C.IN.98.98IN022.AF286232	CCAGAGGAG--AACTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GGGG-----CG	GCGA--CTG	--GTGAGTAC
C.IN.99.01IN565_10.AY049708	CCAGAGAAG--ATCTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GGG-----GG	GCGA--CTG	--GTGAGTAC
C.IN.X.VB39.EF694033	CCAGAGGAG--ATCTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCG	CAAGAGGCGA	GGG-----CG	GCGA--CTG	--GTGAGTAC
C.IN.X.VB49.EF694036	CCAGAGGAG--ATCTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----AG	GCGA--CTG	--GTGAGTAC
C.MM.99.mBIDU101_3.AB097871	CCAGAGGAG--ATCTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----GG	GCGA--CTG	--GTGAGTAC
C.TZ.98.98T2013.AF286234	CCAGAGGAG--ATCTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GGG-----GG	GCGA--CTG	--GTGAGTAC
C.TZ.98.98T2017.AF286235	CCAGAGCAG--ATCTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----CG	GCGG--CTG	--GTGAGTAC
C.ZA.00.1069MB.AY838567	CCAGAGGAG--ATCTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----CG	GCGG--CTG	--GTGAGTAC
C.ZA.00.1119MB.AY433229	CCAGAGAAG--ATCTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----GG	GCGG--CTG	--GTGAGTAC
C.ZA.00.1134MB.AY433217	CCAGAGGAG--ATCTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----CG	GCGA--CTG	--GTGAGTAC
C.ZA.00.1157M3M.AY585266	CCAGAGGAG--GTCTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----CG	GCGA--CTG	--GTGAGTAC
C.ZA.00.1162MB.AY433224	CCAGAGGAG--ATCTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----CG	GCGG--CTG	--GTGAGTAC
C.ZA.00.1165MB.AY433230	CCAGAGGAG--ATCTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----CG	GCGG--CTG	--GTGAGTAC
C.ZA.00.1168MB.AY433231	CCAGAGGAG--ATCTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----CG	GCGG--CTG	--GTGAGTAC
C.ZA.00.1170MB.AY433225	CCAGAGAAG--AACTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----CG	GCGG--CTG	--GTGAGTAC
C.ZA.00.1171MB.AY433232	CCAGAGGAG--ATCTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----CG	GCGG--CTG	--GTGAGTAC
C.ZA.00.1176MB.AY433218	CCAGAGGAG--ATCTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----CG	GCGA--CTG	--GTGAGTAC
C.ZA.00.1178MB.AY433233	CCAGAGGAG--ATCTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GGGG-----AG	GCG--CTG	--GTGAGTAC
C.ZA.00.1184MB.AY838566	CCAGAGGAG--ATCTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----CG	GCGG--CTG	--GTGAGTAC
C.ZA.00.1189MB.AY838565	CCAGAGAAG--ATCTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GGG-----CG	GCGA--CTG	--GTGAGTAC
C.ZA.00.1192M3M.AY463219	CCAGAGGAG--ATCTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----CG	GCGA--CTG	--GTGAGTAC
C.ZA.00.1195MB.AY433220	CCAGAGGAG--ATCTCTCTCGACGCAGG--G	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----CG	GCGA--CTG	--GTGAGTAC
C.ZA.00.1197MB.AY433234	CCAGAGGAG--ATCTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----C					

C.ZA.03.03ZAPS124MB1.DQ369976	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----CG	CGCA--CTG	-GTGAGTAC
C.ZA.03.03ZAPS125MB1.DQ369390	CCAGAGAAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----GG	CGCG--CTG	-GTGAGTAC
C.ZA.03.03ZAPS126MB1.DQ275657	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----CG	CGCG--CTG	-GTGAGTAC
C.ZA.03.03ZAPS128MB1.DQ275643	CCAGAGAAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----CG	CGCG--CTG	-GTGAGTAC
C.ZA.03.03ZAPS130MB1.DQ275658	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----AG	CGCA--CTG	-GTGAGTAC
C.ZA.03.03ZAPS131MB1.DQ396380	CCAGAGAAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----CG	CGCA--CTG	-GTGAGTAC
C.ZA.03.03ZAPS133MB1.DQ275646	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----CG	CGCG--CTG	-GTGAGTAC
C.ZA.03.03ZAPS136MB1.DQ351231	CCAGAGAAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----CG	CGCA--CTG	-GTGAGTAC
C.ZA.03.03ZAPS140MB1.DQ369981	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----CG	CGCA--CTG	-GTGAGTAC
C.ZA.03.03ZAPS143MB1.DQ369391	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----CG	CGCA--CTG	-GTGAGTAC
C.ZA.03.03ZAPS151MB1.DQ396392	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----CG	CGCA--CTG	-GTGAGTAC
C.ZA.03.03ZAPS152MB1.DQ369399	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----CG	CGCG--CTG	-GTGAGTAC
C.ZA.03.03ZAPS155MB1.DQ396371	CCAGAGGAG--ATCTCTCGACGCAGG--G	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----CG	CGCG--CTA	-GTGAGTAC
C.ZA.03.03ZASK058B2.DQ011175	CCAGAGAAG--AACTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GGG-----CG	CGCA--CTG	-GTGAGTAC
C.ZA.03.03ZASK006B2.AY878056	CCAGAGAAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----CG	CGCG--CTG	-GTGAGTAC
C.ZA.03.03ZASK010B2.DQ164104	CCAGAGAAG--ATCTCTCGACGCAGG--G	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----GG	CGCG--CTG	-GTGAGTAC
C.ZA.03.03ZASK011B2.AY901965	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----CG	CGCA--CTG	-GTGAGTAC
C.ZA.03.03ZASK013B2.DQ275660	CCAGAGAAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----CG	CGCA--CTG	-GTGAGTAC
C.ZA.03.03ZASK016MB2.DQ351233	CCAGAGAAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAA-----CG	CGCG--CTG	-GTGAGTAC
C.ZA.03.03ZASK019B2.AY878063	CCAGAGAAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACGCGG	CAAGAGGCGA	GAG-----GG	CGCG--CTG	-GTGAGTAC
C.ZA.03.03ZASK020B2.AY878064	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----CG	CGCG--CTG	-GTGAGTAC
C.ZA.03.03ZASK022B2.DQ011165	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----CG	CGCG--CTG	-GTGAGTAC
C.ZA.03.03ZASK034B1.AY878065	CCAGAGAAG--AACTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----CG	CGCG--CTG	-GTGAGTAC
C.ZA.03.03ZASK036B1.AY901966	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----CG	CGCG--CTG	-GTGAGTAC
C.ZA.03.03ZASK039B2.AY878068	CCAGAGAAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----CG	CGCG--CTG	-GTGAGTAC
C.ZA.03.03ZASK058B2.AY901967	CCAGAGAAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GGG-----GG	CGCA--CTG	-GTGAGTAC
C.ZA.03.03ZASK061B1.AY901968	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----CG	CGCG--CTG	-GTGAGTAC
C.ZA.03.03ZASK062B1.DQ164113	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----CG	CGCG--CTG	-GTGAGTAC
C.ZA.03.03ZASK066B1.AY901969	CCAGAGAAG--ATCTCTCGACGCAGG--G	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAGG-----CG	CGCG--CTG	-GTGAGTAC
C.ZA.03.03ZASK067B1.DQ275642	CCAGAGGAA--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----CG	CGCG--CTG	-GTGAGTAC
C.ZA.03.03ZASK072B1.DQ093593	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----GG	CGCA--CTG	-GTGAGTAC
C.ZA.03.03ZASK073B1.AY901970	CCAGAGAAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----CG	CGCG--CTG	-GTGAGTAC
C.ZA.03.03ZASK078B1.AY901975	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----CG	CGCA--CTG	-GTGAGTAC
C.ZA.03.03ZASK078B1.AY901971	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG				

C.ZA.04.04ZASK151B1.AY901977	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----CG	CGCA--CTG	--GTGAGTAC
C.ZA.04.04ZASK154B1.AY878071	CCAGAGAAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAGG---CG	CGCG--CTG	--GTGAGTAC
C.ZA.04.04ZASK155B1.AY901978	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACACGG	CAAGAGGCGA	GAG---GG	CGCG--CTG	--GTGAGTAC
C.ZA.04.04ZASK156B1.DQ011171	CCAGAGAAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG---CG	CGCA--CTG	--GTGAGTAC
C.ZA.04.04ZASK159B1.DQ011179	CCAGAGGAG--ATCTCTCGACAGCAG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GGG---GG	CGCA--CTG	--GTGAGTAC
C.ZA.04.04ZASK160B1.DQ011173	CCAGAGAAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG---CG	CGCA--CTG	--GTGAGTAC
C.ZA.04.04ZASK161B1.DQ011170	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG---AG	CGCA--CTG	--GTGAGTAC
C.ZA.04.04ZASK163B1.AY901979	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG---CG	CGCA--CTG	--GTGAGTAC
C.ZA.04.04ZASK164B1.DQ056405	CCAGAGAAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG---CG	CGCG--CTG	--GTGAGTAC
C.ZA.04.04ZASK165B1.DQ396387	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG---GG	CGCG--CTG	--GTGAGTAC
C.ZA.04.04ZASK167B1.DQ164127	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG---CG	CGCGA--CTG	--GTGAGTAC
C.ZA.04.04ZASK168B1.AY878058	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG---CG	CGCA--CTG	--GTGAGTAC
C.ZA.04.04ZASK169B1.DQ396381	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG---GG	CGCG--CTG	--GTGAGTAC
C.ZA.04.04ZASK170B1.DQ093595	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG---CG	CGCG--CTG	--GTGAGTAC
C.ZA.04.04ZASK171B1.DQ351217	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG---CG	CGCG--CTG	--GTGAGTAC
C.ZA.04.04ZASK172B1.DQ369998	CCAGAGAAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG---GG	CGCA--CTG	--GTGAGTAC
C.ZA.04.04ZASK173B1.DQ093604	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG---CG	CGCG--CTG	--GTGAGTAC
C.ZA.04.04ZASK174B1.AY901980	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GGGG---CG	CGCG--CTG	--GTGAGTAC
C.ZA.04.04ZASK175B1.DQ164129	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG---CG	CGCA--CTG	--GTGAGTAC
C.ZA.04.04ZASK176B1.DQ056416	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG---CG	CGCA--CTG	--GTGAGTAC
C.ZA.04.04ZASK178B1.DQ093587	CCAGAGAAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG---CG	CGCA--CTG	--GTGAGTAC
C.ZA.04.04ZASK180B1.AY878059	CCAGAGAAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG---CG	CGCA--CTG	--GTGAGTAC
C.ZA.04.04ZASK181B1.AY878062	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GGGG---CG	CGCG--CTG	--GTGAGTAC
C.ZA.04.04ZASK182B1.AY878054	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG---CG	CGCA--CTG	--GTGAGTAC
C.ZA.04.04ZASK183B1.AY878055	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG---CG	CGCG--CTG	--GTGAGTAC
C.ZA.04.04ZASK184B1.DQ056418	ACAGAGGAG--ATCTCTCGACGCAGG--A	CTTGGCTTGC	TGAA-----	GTGCACGCGG	CAAGAGGCGA	GGG---GG	CGCA--CTG	--GTGAGTAC
C.ZA.04.04ZASK185B1.DQ011174	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG---CG	CGCA--CTG	--GTGAGTAC
C.ZA.04.04ZASK190B1.DQ056409	CCAGAGGAG--CTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG---CG	CGCA--CTG	--GTGAGTAC
C.ZA.04.04ZASK191B1.DQ369993	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG---GG	CGCG--CTG	--GTGAGTAC
C.ZA.04.04ZASK192B1.DQ396382	CCAGAGAAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG---CG	CGCG--CTG	--GTGAGTAC
C.ZA.04.04ZASK193B1.DQ396396	CCAGAGGAG--ATCTCTCGACGCAGG--G	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG---CG	CGCG--CTG	--GTGAGTAC
C.ZA.04.04ZASK196B1.DQ056413	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG---CG	CGCG--CTG	--GTGAGTAC
C.ZA.04.04ZASK200B1.DQ396383	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG---CG	CGCG--CTG	--GTGAGTAC
C.ZA.04.04ZASK201B1.DQ396397	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GT				

01_AE.TH.05.AA107a_wq4.JX44802	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG----	GTGCACACAG	CAAGAGGCGA	GAG----	CG	CGCA--CTG	--GTGAGTAC
01_AE.TH.06.AA002a_WG1.JX44666	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG----	GTGCACACAG	CAAGAGGCGA	GAG----	AG	CGCA--CTG	--GTGAGTAC
01_AE.TH.06.AA017a_wq1.JX44689	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG----	GTGCACACAG	CAAGAGGCGA	GAG--CG	CGCA--	CCG	--GTGAGTAC
01_AE.TH.06.AA034a_wq2.JX44708	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG----	GTGCACACAG	CAAGAGGCGA	GAG--CG	CGCA--	CTG	--GTGAGTAC
01_AE.TH.06.AA038a_WG3.JX44713	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG----	GTGCACACAG	CAAGAGGCGA	GAG--CG	CGCA--	CTG	--GTGAGTAC
01_AE.TH.06.AA055a_WG4.JX44731	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG----	GTGCACACAG	CAAGAGGCGA	GAG--CG	CGCA--	CTG	--GTGAGTAC
01_AE.TH.06.AA056a_WG5.JX44731	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG----	GTGCACACAG	CAAGAGGCGA	GAG--CG	CGCA--	CTG	--GTGAGTAC
01_AE.TH.06.AA059a_WG5.JX44735	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG----	GTGCACACAG	CAAGAGGCGA	GAG--CG	CGCAA--	CTG	--GTGAGTAC
01_AE.TH.06.AA063a_WG37.JX4474	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG----	GTGCACACAG	CAAGAGGCGA	GAG--CG	CGCA--	CTG	--GTGAGTAC
01_AE.TH.06.AA068a_14.JX447465	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG----	GTGCACACAG	CAAGAGGCGA	GAG--CG	CGCA--	CTG	--GTGAGTAC
01_AE.TH.06.AA082a_WG9.JX44764	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG----	GTGCACACAG	CAAGAGGCGA	GAG--CG	CGCA--	CTG	--GTGAGTAC
01_AE.TH.06.AA085a_wq2.JX44768	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG----	GTGCACACAG	CAAGAGGCGA	GAG--CG	CGCA--	CTG	--GTGAGTAC
01_AE.TH.06.AA088a_wq14.JX4477	CCAGAGAAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG----	GTGCACACAG	CAAGAGGCGA	GAG--CG	CGCA--	CTG	--GTGAGTAC
01_AE.TH.06.AA099a_WG5.JX44789	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG----	GTGCACACAG	CAAGAGGCGA	GAG--CG	CGCA--	CTA	--GGTGAAGTAC
01_AE.TH.07.AA015a_WG4.JX44687	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG----	GTGCACACAG	CAAGAGGCGA	GAG--CG	CGCA--	CTG	--GTGAGTAC
01_AE.TH.07.AA019a_WG11.JX4469	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG----	GTGCACACAG	CAAGAGGCGA	GAG--CG	CGCA--	CTG	--GTGAGTAC
01_AE.TH.07.AA028a_wq3.JX44702	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG----	GTGCACACAG	CAAGAGGCGA	GAG--CG	CGCA--	CTG	--GTGAGTAC
01_AE.TH.07.AA050a_WG7.JX44728	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG----	GTGCACACAG	CAAGAGGCGA	GAG--CG	CGCA--	CTG	--GTGAGTAC
01_AE.TH.08.AA007a_WG10.JX4467	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG----	GTGCACACAG	CAAGAGGCGA	GAG--CG	CGCA--	CTG	--GTGAGTAC
01_AE.TH.08.AA037a_WG6.JX44712	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG----	GTGCACACAG	CAAGAGGCGA	GAG--CG	CGCA--	CTG	--GTGAGTAC
01_AE.TH.08.AA060a_WG1.JX44735	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA--	GTGCACACAG	CAAGAGGCGA	GAG--CG	CGCA--	CTG	--GTGAGTAC
01_AE.TH.08.AA067a_WG12.JX4474	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG----	GTGCACACAG	CAAGAGGCGA	GAG--CG	CGCA--	CTG	--GTGAGTAC
01_AE.TH.08.AA108a_WG6.JX44802	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG----	GTGCACACAG	CAAGAGGCGA	GAG--CG	CGCA--	CTG	--GTGAGTAC
01_AE.TH.09.AA090a_WG11.JX4477	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG----	GTGCACACAG	CAAGAGGCGA	GAG--CG	CGCA--	CTG	--GTGAGTAC
01_AE.TH.09.AA111a_WG11.JX4480	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG----	GTGCACACAG	CAAGAGGCGA	GAG--CG	CGCA--	CTG	--GTGAGTAC
01_AE.TH.90.CM240.U54771	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG----	GTGCACACAG	CAAGAGGCGA	GAG--CG	CGCA--	CTG	--GTGAGTAC
01_AE.TH.93.93TH253.U51189	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG----	GTGCACACAG	CAAGAGGCGA	GAG--CG	CGCA--	CTG	--GTGAGTAC
01_AE.TH.93.93TH9021.AF164485	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGCG--	GTGCACACAG	CAAGAGGCGA	GAC--GG	CGCA--	CTG	--GTGAGTAC
01_AE.TH.95.95TNIH022.AB032740	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG----	GTGCACACAG	CAAGAGGCGA	GAG--CG	CGCA--	CTG	--GTGAGTAC
01_AE.TH.95.95TNIH047.AB032741	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG----	GTGCACACAG	CAAGAGGCGA	GAG--CG	CGCA--	CTG	--GTGAGTAC
01_AE.TH.x.NP03.AB485654	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG----	GTGCACACAG	CAAGAGGCGA	GGAG--CG	CGCA--	CTG	--GTGAGTAC
01_AE.VN.97.97VNAG204.FJ185247	-----	-----	-----	-----	-----	-----	CG	CGCA--CTG	--GTGAGTAC
01_AE.VN.97.97VNAG206.FJ185248	-----	-----	-----	-----	-----	-----	CG	CGCA--CTG	--GTGAGTAC
01_AE.VN.97.97VNAG207.FJ185249	-----								

12 BF.UY.99.URTR23.AF385934	CCAGAGAAG--ATCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAA-----	-GGCGCACGG	CAAGAGGCGA	GGGG---CG	CGCA--CTG	-GTGAGTAC
12 BF.UY.99.URTR35.AF385935	CCAGAGAAG--ATCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAG-----	-GGCGCACGG	CAAGAGGCGA	GGAG---CG	CGCA--CTG	-GTGAGTAC
13 cpx.CM.02.02CM.A1394.DQ8453	AGCGACGCGAG A-----	-----G	-A	CTCGGCTTGC	TGAG-----	-GGCGCACGG	CAAGAGGCGA	GGGG---CG	CGCA--CTG
13 cpx.CM.04.04CM.173_9.DQ8453	CCAGAGAAG--TTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAG-----	-GGCGCACGG	CAAGAGGCGA	GGGG---CG	CGCG--CTG	-GTGAGTAC
13 cpx.CM.04.04CM.632_28.DQ845	CCAGAGAAG--TTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAG-----	-GGCGCACGG	CAAGAGGCGA	GGGG---CG	CGCG--CTG	-GTGAGTAC
13 cpx.CM.96.96CM.1849.AF46097	CCAGAGAAG--TTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAG-----	-GGCGCACGG	CAAGAGGCGA	GGGG---CG	CGCG--CTG	-GTGAGTAC
13 cpx.CM.96.96CM.4164.AF46097	CCAGAGAAG--TTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAG-----	-GGCGCACGG	CAAGAGGCGA	GGGG---CG	CGCG--CTG	-GTGAGTAC
14 BG.ES.00.X605.AF450096	CCAGAGAAG--TTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAA-----G	GTGCACACAG	CAAGAGGCGA	GAG---CG	G-----CTG	-GTGAGTAC
14 BG.ES.00.X623.AF450097	CCAGAGAAG--TTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAA-----G	GTGCACACAG	CAAGAGGCGA	GAG---CG	CGCA--CTG	-GTGAGTAC
14 BG.ES.05.X1847.FJ670522	CCAGAGAAG--TTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAAAG-----	GTGCACACAG	CAAGAGGCGA	GAG---CG	G-----CGG	-GTAAGTAC
14 BG.ES.05.X772_8.FJ670528	CCAGAGAAG--TTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAA-----G	GTGCACACAG	CAAGAGGCGA	GAG---CG	CGCG--CTG	-GTGAGTAC
15 01B.TH.99.99TH.MU2079.AF516	CCAGAGAAG--TTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG---CG	GCGA--CTG	-GTGAGTAC
15 01B.TH.99.99TH.RZ399.AF5305	CCAGAGAAG--TTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG---CG	CGCG--CTG	-GTGAGTAC
16 A2D.KR.97.97KR004.AF286239	CCAGAGAAG--ATCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAA-----	GCGCGCACG	CAAGAGGCGA	GGGG---CG	CGCA--CTG	-GTGAGTAC
18 cpx.CU.99.CU14.AY586541	-----CTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG---CG	CGCA--CTG	-GTGAGTAC
18 cpx.CU.99.CU68.AY894993	-----CTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG---CG	CGCA--CTG	-GTGAGTAC
18 cpx.CU.99.CU76.AY586540	-----CTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG---CG	CGCA--CTG	-GTGAGTAC
19 cpx.CU.99.CU29.AY588971	CCAGAAAAG--TTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG---CG	CGCA--CTG	-GTGAGTAC
20 BG.CU.03.CB134.DQ020274	CCAGAGAAG--TTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG---CG	CGCA--CTG	-GTGAGTAC
20 BG.CU.99.CU103.AY586545	CCAGAGAAG--TTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG---CG	CGCA--CTG	-GTGAGTAC
20 BG.ES.99.R77.AY586544	CCAGAGAAG--TTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG---CG	CGCA--CTG	-GTGAGTAC
22 01A1.CM.02.02CAML772.EU7439	-----TTTG	-----	-----	TGAA-----	GCGCGCACG	CAAGAGGCGA	GAG---CG	CGCA--CTG	-GTGAGTAC
22 01A1.CM.06.LPH27MF.JN864049	-----	-----	-----	-----	-A	GCGCGCACG	CAAGAGGCGA	GAG---CG	CGCA--CTG
22 01A1.CM.10.LB054.JN864059	-----	-----	-----	-----	-----	-----	-----	CG	GCAC--AGG
23 BG.CU.03.CB118.AY900571	CCAGAGAAG--TTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG---CG	CGCA--CTG	-GTGAGTAC
23 BG.CU.03.CB347.AY900572	CCAGAGAAG--TTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG---CG	CGCA--CTG	-GTGAGTAC
24 BG.CU.03.CB378.AY900574	CCAGAGAAG--TTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG---CG	CGCA--CTG	-GTGAGTAC
24 BG.CU.03.CB471.AY900575	CCAGAGAAG--TTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG---CG	CGCA--CTG	-GTGAGTAC
24 BG.ES.08.X2456_2.FJ670526	CCAGAGAAG--TTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GGAG---CG	CGCA--CTG	-GTGAGTAC
25 cpx.CM.06.CAM54.BA.04.EU693	CCAGAGAAG--TTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACACAG	TAAGAGGCGA	GAG---CG	CGCA--CTG	-GTGAGTAC
25 cpx.SA.03.J11233.EU697906	CCAGAGAAG--ATCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG---CG	GCGG--CTG	-GTGAGTAC
25 cpx.SA.03.J11451.EU697908	CCAGAGAAG--TTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG---CG	GCGG--CTG	-GTGAGTAC
26 AU.CD.02.02CD.KS069.FM87778	CCAGAGAAG--TTCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAG-----	-TGACACAG	CAAGAGGCGA	GGAG---CG	CGCA--CTG	-GTGAGTAC
26 AU.CD.02.02CD.LB7B084.FM877	CCAGAGAAG--ATCTCTCG	ACGCAGG--A	CTCGGCTTGC	TGAG-----	-TGACACAG	CAAGAGGCG			

53_01B.MY.10.10MYKJ067.JX39061	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGA-----	GTGCACACAG	CAAGAGGCGA	GGAG----	CG	CGCA---CTG	--GTGAGTAC	
53_01B.MY.10.10MYKJ079.JX39061	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
53_01B.MY.11.11FIR1464.JX390610	CCAGAGGAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
54_01B.MY.07.07MYKLD49.EU03191	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGCA-----	GGCGGCACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
54_01B.MY.08.08MYKLD44.JX39097	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAAGT----	GGCGGCACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
54_01B.MY.09.09MYKLB023.JX39097	GGAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAAGT----	GGCGGCACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
55_01B.CN.10.HNCS102056.JX5746	-----	-----	-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
55_01B.CN.11.GDDG318.JX574662	-----	-----	-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
01A1.MM.99.mCSW105.AB097872	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
01B.CN.08.08CYM047.JF340054	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
01B.JP.x.phiv_1_Y271B01AE64.AB	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGCA-----	GGCGGCACAG	CAAGAGGCGA	GGGG-----	CG	CGCA---CTG	--GTGAGTAC	
01B.MM.00.mIDU502.AB097865	CCAGAGGAG--CTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GGCGGCACAG	CAAGAGGCGA	GAG-----	GG	CGCA---CTG	--GTGAGTAC	
01B.MM.99.mCSW104.AB097867	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
01B.MY.04.04MYKLO19_1.DQ366665	-----	-----	-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
01B.MY.05.05MYKLO43_1.DQ366666	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
01B.MY.06.06MMYKLD46.EF495062	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
01B.MY.07.07MYKLD47.EU031913	-----	-----	-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
01B.MY.07.07MYKLD48.EU031914	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
01B.TH.05.05TH140456.JN631793	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
01B.TH.05.AA095a.WG21.JX447830	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCG---CTG	--GTGAGTAC	
01B.TH.06.AA020a.WG2.JX446927	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
01B.TH.06.AA025a.WG13.JX447000	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CCG	--GTGAGTAC	
01B.TH.06.AA084a.WG10.JX447668	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG-----	GYGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CAG	--GGTGAATAC	
01B.TH.91.CM237.AY167123	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GGCGGCACAG	CAAGAGGCGA	GGGG-----	CG	CGCA---ACG	--GTGAGTAC	
01BC.MM.00.mCSW503.AB097866	-----	-----	-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
01BC.MM.99.mIDU107.AB097868	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
01F2G.CM.02.LT31.JN864056	-----	-----	-----	-----	-----	GA	AAG-----	CG	CGCA---CTG	--GTGAGTAC
0206.DZ.10.DEURF10DZ001.JX1406	-----	-----	-----	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCG---CTG	--GTGAGTAC
0206.GH.03.03GH195AG.06.AB2868	CCAGAGAAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
0206.NE.00.NE36.AJ508597	CCAGAGAAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
0206.NE.00.NE95.AJ508596	-----	-----	-----	G	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC
0206.NE.97.NE03.AJ508595	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
0209.CI.01.01IC_17395.AJ866554	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
0209.CI.01.01IC_PCI118.AJ86655	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
0209.CI.01.01IC_PCI127.AJ86655	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG-----	AG	CGCA---CTG	--GTGAGTAC	
0209.CI.97.97IC_PCI3.AJ866555	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
0222.CM.02.02CAML04.EU743564	-----	-----	TTGT	GTGAGGG--	GGCGCCCCCG	CAAGGGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC
0222.CM.08.BDSH129.JN864052	-----	-----	-----	-----	GGCGCACGG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC
0222.CM.10.LB045.JN864053	CCAGAGAAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGAGA	GAG-----	CG	CGCA---CGG	--GTGAGTAC	
02A1.ES.05.X230_10.FJ670515	CCAGAGAAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
02A1.ES.07.ES_P1751.GQ372986	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
02A1.GH.03.GHNJ176.AB231894	CCAGAGAAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
02A1.GH.97.97GH_AG2.AB052867	CCAGAGAAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
02A1.RU.10.10RU6637.JN230353	CCAGAGAAG--TTCTCTCGACGCAGG--G	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
02B.ES.99.99SP_11339.DQ926899	CCAGAGAAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
02B.FR.02.URF4.JN882652	CCAGAGAAG--CTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
02B.FR.09.URF2.JN882654	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GGCGGCACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
02B.FR.08.URF1.JN882653	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
02B.FR.10.URF5.JN882655	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
02C.BE.93.VI1035.AJ276595	-----	-----	-----	-----	-----	-----	CG	CGCA---CTG	--GTGAGTAC	
02D.GH.03.GHNJ193.AB231897	CCAGAGAAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
02D.GH.03.p03GH194AG09.AB48004	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG-----	-----	-----	-----	CG	CGCA---CTG	--GTGAGTAC	
02F2G.CM.02.LT66.JN864057	-----	-----	TTGC	TGAA-----	GGCGGCACGG	CAAGAGGCGA	GGGG-----	CG	GGGA---GTG	--GGGAGTAC
02GK.CI.01.01IC_PCI123.AJ86655	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
06A1.BJ.x.B76.AJ293865	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG-----	-----	-----	-----	CG	CGCA---CTG	--GTGAGTAC	
1819.CU.99.CU64.AY894995	CCAGAGAAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG-----	-----	-----	-----	CG	CGCA---CTG	--GTGAGTAC	
26C.CD.02.02CD_LBTB032.FM87777	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG-----	-----	-----	-----	CG	CGCA---CTG	--GTGAGTAC	
26C.CD.97.97CD_KFE267.FM877778	CCAGAGAAG--GTTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG-----	-----	-----	-----	CG	CGCA---CTG	--GTGAGTAC	
26C.CD.97.MBFE250.FM877783	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG-----	-----	-----	-----	CG	CGCA---CTG	--GTGAGTAC	
31A.EE.02.EST2002_394.DJ167216	CCAGAGAAG--TTCTCTCGACGCAGG--G	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
1A1B.GB.03.34567.JN417238	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GGCGGCACGG	CAAGAGGCGA	GGGG-----	AG	CGCA---CTG	--GTGAGTAC	
A1C.CA.04.04CA7750.EU220698	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
A1C.IN.01.1579A.DQ083238	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
A1C.IN.95.95IN21301.AF067156	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
A1C.RW.92.92RW009_06.U88823	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	A	GTGCACCTCGG	CAAGAGGCGA	GAG-----	CG	GGCG---CTG	--GTGAGTAC
A1CD.KE.02.ML2000.EU110093	CCAGAGAAG--CTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
A1CD.SE.95.SB8603.AF075702	-----	-----	-----	GGCGGCACGG	CAAGAGGCGA	GGGG-----	CA	CGCA---ACG	--GTGAGTAC	
A1CDGKU.ZA.99.CM4_99ZACM4.AF41	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG-----	-----	-----	-----	CG	CGCA---CTG	--GTGAGTAC	
A1CG.KE.02.ML1979PCR.EU110096	-----	-----	-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
A1D.DK.96.FSA.DQ912822	CCAGAGAAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACACAG	CAAGAGGCGA	GGGA-----	CA	CGCA---ACA	--GTGAGTAC	
A1D.KB.98.MA.DQ912823	CCAGAGAAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACACAG	CAAGAGGCGA	GGGA-----	CA	CGCA---ACA	--GTGAGTAC	
A1D.GB.00.8179.JN417236	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACACGG	CAAGAGGCGA	GGGG-----	CA	CGCA---ACG	--GTGAGTAC	
A1D.GB.03.33365.JN417239	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACACAG	CAAGAGGCGA	GGGG-----	CA	CGCA---ACG	--GTGAGTAC	
A1D.GB.10.11762.JN417241	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GGCGGCACAG	CAAGAGGCGA	GGGG-----	CA	CGCA---ACG	--GTGAGTAC	
A1D.GB.10.12792.JN417240	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGA-----	GTGCACACGG	CAAGAGGCGA	GGGG-----	CA	CGCA---ACG	--GTGAGTAC	
A1D.KE.02.ML1974.EU110090	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACACGG	CAAGAGGCGA	GGGG-----	CA	CGCA---ACG	--GTGAGTAC	
A1D.SE.93.SB6954.AF057501	-----	-----	-----	GGCGGCACGG	CAAGAGGCGA	GGGG-----	CA	CGCA---ACG	--GGGAGTAC	
A1D.TZ.96.TZBFL0011.AF442569	CCAGAGGAG--CTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GGCGGCACGG	CAAGAGGCGA	GGGG-----	CA	CGCA---ACG	--GTGAGTAC	
A1D.TZ.96.TZBFL0088.AF442570	CCAGAGGAG--CTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GGCGGCACGG	CAAGAGGCGA	GGGG-----	CA	CGCA---ACG	--GTGAGTAC	
A1D.TZ.97.TZBFL0086.AF442566	CCAGAGAAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACACGG	CAAGAGGCGA	GGGG-----	AA	CGCA---ACG	--GTGAGTAC	
A1D.UG.07.p191947.JX236674	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAGC-----	GG	CTGA---CTG	--GTGAGTAC	
A1D.UG.08.p191982.JX236675	CCAGAGAAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GGCGGCACAG	CAAGAGGCGA	GGGG-----	CA	CGCA---ACG	--GTGAGTAC	
A1D.UG.90.UG266.AY352657	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAGN-----	CG	CGCA---CTG	--GTGAGTAC	
A1D.UG.92.UG035.AY352656	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
A1DHK.NO.97.97NOGIL3.AJ237565	CCAGAGAAG--CTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACACGG	CAAGAGGCGA	GGG-----	CG	GGGTGA---CTG	--GTGAGTAC	
A1DK.CD.85.MAL.MALCG.X04415	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
A1G.BE.94.VI1197.AJ276596	-----	-----	-----	G	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	GGCA---CTG	--GTGAGTAC
A1G.NE.92.92NG003.U88825	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
A1G.RU.11.11RU6900.JX500697	CCAGAGAAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
A1G.RU.11.11RU6939.JX500706	CCAGAGAAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
A1GHU.GA.x.VI354.AF076474	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
A1GW.BW.98.BW2117.AF192135	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACACGG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
A2C.ZA.98.DU178_98ZADU178.AF41	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----	GG	CGCA---CTG	--GTGAGTAC	
A2C.ZM.90.ZAM184.U86780	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCCGG	CAAGAGGCGA	GAG-----	CG	CGCG---CTG	--GTGAGTAC	
A2CD.KB.01.ML1956.EU110089	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GGCGGCACGG	CAAGAGGCGA	GGGG-----	CA	CGCA---CTG	--GTGAGTAC	
AC.KE.97.ML672.AY322191	CCAGAGAAG--TTCTCTCGACGCAGG--A	CTCGGCTTGC	TGCG-----	GTGCACACAG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
AC.ZA.04.04ZAPS204B1.DQ093606	CCAGAGCAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----	CG	CGCA---CTG	--GTGAGTAC	
AGKU.CD.x.BCF_Kita.AB485665	CCAGAGAAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAG-----	-----	-----	-----	CG	CGCA---ACG	--GTGAGTAC	
BC.AR.01.ARE195FL.AY968312	-----	-----	-----	GAA	CTCGGCTTGC	TGAA-----	CG	CGCG---CTG	--GTGAGTAC	
BC.BR.01.01_BR_RGS45.GQ365651	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG	CAAGAGGCGA	GAG-----	CG	CGCG---CTG	--GTGAGTAC	
BC.BR.01.01_BR_RGS69.GQ365652	CCAGAGGAG--ATCTCTCGACGCAGG--A	CTCGGCTTGC	TGAA-----	GTGCACCTCGG						

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 BF1.BR.00.BREPM13853.DQ085875
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[illegible]

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 B. US. 90.US1.AY173952 GCCAAAAA--- --ATTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 B. US. 90.US2.AY173953 GCCAAAAA--- --ATTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 B. US. 90.US3.AY173954 GCCAAAAA--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 B. US. 90.US4.AY173955 GCCAAAAA--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 B. US. 90.WCIPR.U69591 GCCAAAAA--- --ATTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 B. US. 90.WEAU160_GHOSH.U21135 GCCGAAA--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 B. US. 91.5048.91.AY835761 GCCAAAAA--- --ATTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 B. US. 91.DH12_3.AF069140 GCCAAAAA--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 B. US. 91.SUMA_f1C5.FJ496145 GCCGAAA--- --ATTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 B. US. 93.WCD32P0793.DQ487188 GCCAAAAA--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 B. US. 93.WCM32P0793.DQ487190 GCCAAAAA--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 B. US. 94.5082.94.AY835773 GCCAAAAA--- --ATTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 B. US. 95.5073.95.AY835768 GCCAAAAA--- --ATTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 B. US. 95.USP190770E172y95091pcW GCCAAAAA--- --ATTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 B. US. 96.5155.96.AY835753 GCCAAAAA--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 B. US. 96.USP155751E132y96071pcW GCCAAAAA--- --ATTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 B. US. 97.ARES2.AB078005 GCCAAAC--- --ATTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 B. US. 98.15384.1.DQ853463 GCCATAA--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 B. US. 98.98USHVTN1925c1.AY56010 GCCAAAAA--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 B. US. 98.98USHVTN3605c9.AY56010 GCCAAAAA--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 B. US. 98.98USHVTN8229c6.AY56010 GCCAAAAA--- --ATTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 B. US. 98.98USHVTN941c1.AY560110 GCCAAAAA--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 B. US. 98.WC3_0498.4.EF175212 GCTGAAA--- --ATTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 B. US.x.CR0059T.FJ469694 GCCAAAAA--- --CTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 B. US.x.sample_C_BID_D617.JX503 GCCA--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 B. VE.10.DEMB10VE001.JX140659 GCCAAAAA--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 B. ZA.03.03ZAPS045MB2.DQ396398 GCCAAA--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BR.02.02BR2022.JN692434 GCCA--- -T TTTCAATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BR.04.04BR013.AY727522 GCCA--- -T TTTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BR.04.04BR021.AY727523 GCCA--- -T TTTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BR.04.04BR038.AY727524 GCCA--- -T TTTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BR.04.04BR073.AY727525 GCCA--- -T TTTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BR.07.DEMC07BR003.JX140663 GCCAATT--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BR.92.BR025_d.U52953 GCCA--- -T TTTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BR.98.98BR004.AF286228 GCCA--- -T TTTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BW.00.00BW07621.AF443088 GCCAAAAA--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BW.00.00BW076820.AF443089 GCCAAAT--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BW.00.00BW087421.AF443090 GCCA--- -AT TTTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BW.00.00BW147127.AF443091 GCCAAAT--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BW.00.00BW16162.AF443092 GCCAAAT--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BW.00.00BW1686.AF443093 GCCAAAC--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BW.00.00BW17593.AF443094 GCCA--- -AT TTTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
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 C.BW.00.00BW17956.AF443097 GCCAAAT--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BW.00.00BW18113.AF443098 GCCA--- -AT TTTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BW.00.00BW18595.AF443099 GCCAAAAA--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BW.00.00BW18802.AF443100 GCCAAAT--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BW.00.00BW192113.AF443101 GCCAAAT--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BW.00.00BW20361.AF443102 GCCAAAT--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BW.00.00BW20636.AF443103 GCCA--- -AT TTTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BW.00.00BW20872.AF443104 GCCAATT--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BW.00.00BW2127214.AF443105 GCCA--- -AT TTTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BW.00.00BW22767.AF443107 GCCAAAT--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BW.00.00BW38193.AF443108 GCCGATT--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BW.00.00BW38428.AF443109 GCCGAAT--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BW.00.00BW38713.AF443110 GCCAAAT--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BW.00.00BW3876.9.AF443111 GCCAAAAA--- --AA ATTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BW.00.00BW3886.8.AF443112 GCCAAAT--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BW.00.00BW3891.6.AF443113 GCCAAAT--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BW.00.00BW3970.2.AF443114 GCCA--- -AT TTTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BW.00.00BW5031_1.AF443115 GCCA--- -AT TTTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BW.96.96BW01B03.AF110959 GCCAAAT--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BW.96.96BW0402.AF110962 GCCAAAT--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BW.96.96BW0502.AF110967 GCCA--- -T TTTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BW.96.96BW06.AF290028 GCCAAAT--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BW.96.96BW1104.AF110969 GCCAAAT--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BW.96.96BW1210.AF110972 GCCA--- -AT TTTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BW.96.96BW15C02.AF110974 GCCAAAT--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BW.96.96BW16B01.AF110976 GCCA--- -AT TTTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BW.96.96BW17.AF110980 GCCAAAT--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BW.96.96BWM032.AF443075 GCCA--- -AT TTTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BW.96.96BWM01_5.AF443074 GCCA--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BW.98.98BWM122.AF443076 GCCA--- -AT TTTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BW.98.98BWM134.AF443077 GCCAAAT--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BW.98.98BWM14A3.AF443078 GCCGAAT--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BW.98.98BWM01410.AF443079 GCCAATT--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BW.98.98BWM018D5.AF443080 GCCAAAT--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BW.98.98BWM036A5.AF443081 GCCAATT--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BW.98.98BWM037D5.AF443082 GCCAAAAA--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BW.99.99BW393212.AF443083 GCCA--- -AT TTTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BW.99.99BW46424.AF443084 GCCAAAAA--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BW.99.99BW4745.AF443085 GCCTATT--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BW.99.99BW47547.AF443086 GCCAAAT--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.BW.99.99BWM168.AF443087 GCCA--- -AT TTTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.DJ.x.DJ259.AB485643 GCCTATAT--- --TTTTTGA CTAGCAAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.DK.01.CTL_015.EF514713 GCCAATT--- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
 C.ES.06.X1936.EU786673 GCCA--- -AT TTTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG

ES.07.X2118_2.EU884500	GCCAAAA	----	----	----	TTTTATTGGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG--ATG	GGTGCAGAG	CG	
C.ES.08.X2363_2.EU786681				CGCCAAA	TTTTAATTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG--ATG	GGTGCAGAG	CG	
C.ET.86.ETH2220_U46016	GCCA-	----			AT	TTTTATTGGA	CTAGCGGAGG	GAGAG--ATG	GGTGCAGAG	CG	
C.IL.98.98IS002.AF286233	GCCA-	----			AT	TTTTATTGGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG--ATG	GGTGCAGAG	CG
C.IN.03.D24.BF469243	GCCAAIT	----				TTTTATTGGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG--ATG	GGTGCAGAG	CG
C.IN.93.93IN101.AB023804	GCCAAIT	----				TTTTATTGGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG--ATG	GGTGCAGAG	CG
C.IN.93.93IN904.AF067157	GCCAAIT	----				TTTTATTGGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG--ATG	GGTGCAGAG	CG
C.IN.93.93IN999.AF067154	GCCAAAT	----			TTTTATTGGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG--ATG	GGTGCAGAG	CG	
C.IN.94.94IN11246.AF067159	GCCAAIT	----				TTTTATTGGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG--ATG	GGTGCAGAG	CG
C.IN.94.94IN476.AF286223	GCCA-	----			AT	TTTTATTGGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG--ATG	GGTGCAGAG	CG
C.IN.95.95IN21068.AF067155	GCCAAIT	----				TTTTATTGGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG--ATG	GGTGCAGAG	CG
C.IN.98.98IN012.AF286231	GCCAAAT	----				TTTTATTGGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG--ATG	GGTGCAGAG	CG
C.IN.98.98IN022.AF286232	GCGGATT	----				TTTTATTGGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG--ATG	GGTGCAGAG	CG
C.IN.99.01IN565_10.AY049708	GCCA-	----			AT	TTTTATTGGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG--ATG	GGTGCAGAG	CG
C.IN.x.VB39.EF694033	GCCA-	----			AT	TTTTATTGGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG--ATG	GGTGCAGAG	CG
C.IN.x.VB49.EF694036	GCCTAAT	----				TTTTATTGGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG--ATG	GGTGCAGAG	CG
C.MM.99.mIDU101_3.AB097871	GCCA-	----			AT	TTTTATTGGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG--ATG	GGTGCAGAG	CG
C.TZ.98.98TZ013.AF286234	GCCAAIT	----				TTTTATTGGA	CTGCGGAGG	CTAGAA-GGA	GAGAG--ATG	GGTGCAGAG	CG
C.TZ.98.98TZ017.AF286235	GCCA-	----			TT	TTTTATTGGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG--ATG	GGTGCAGAG	CG
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C.ZA.00.1119MB.AY463229	GCCAAAT	----				TTTTATTGGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG--ATG	GGTGCAGAG	CG
C.ZA.00.1134MB.AY463217	GCCGAAT	----			TTTACTTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG--ATG	GGTGCAGAG	CG	
C.ZA.00.1157M3M.AY858266	GCCAAIT	----				TTTTATTGGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG--ATG	GGTGCAGAG	CG
C.ZA.00.1162MB.AY463224	GCCAAAT	----				TTTTATTGGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG--ATG	GGTGCAGAG	CG
C.ZA.00.1165MB.AY463230	GCCA-	----			AT	TTTTATTGGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG--ATG	GGTGCAGAG	CG
C.ZA.00.1168MB.AY463231	GCCAAAT	----				TTTTATTGGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG--ATG	GGTGCAGAG	CG
C.ZA.00.1170MB.AY463225	GCCAAAT	----				TTTTATTGGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG--GTG	GGTGCAGAG	CG
C.ZA.00.1171MB.AY463232	GCCAAAT	----				TTTTATTGGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG--ATG	GGTGCAGAG	CG
C.ZA.00.1176MB.AY463218	GCCGAAT	----			TTTTATTGGA	CTAGCGGTGG	CTAGAA-GGA	GAGAGAGATG	GGTGCAGAG	CG	
C.ZA.00.1178MB.AY463233	GCCAAAA	----			TTTTATTGGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG--ATG	GGTGCAGAG	CG	
C.ZA.00.1184MB.AY838566	GCCA-	----			AT	TTTTATTGGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG--ATG	GGTGCAGAG	CG
C.ZA.00.1189MB.AY838565	GCCAAAT	----				TTTTATTGGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG--ATG	GGTGCAGAG	CG
C.ZA.00.1192M3M.AY463219	GCGGAAT	----				TTTTATTGGA	CTAGCGGAGG	CTAGAA-AGA	GAGAG--ATG	GGTGCAGAG	CG
C.ZA.00.1195MB.AY463220	GCCA-	----			AT	TTTTATTGGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG--ATG	GGTGCAGAG	CG
C.ZA.00.1197MB.AY463234	CCCA-	----			AT	TTTTATTGGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG--ATG	GGTGCAGAG	CG
C.ZA.00.1210MB.AY463221	GCCGAAT	----			TTTTATTGGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG--ATG	GGTGCAGAGT	CG	
C.ZA.00.1214MB.AY463236	GCCAAAA	----			TTTTATTGGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG--ATG	GGTGCAGAG	CG	
C.ZA.00.1217MB.AY463226	GCCAAAT	----			TTTTATTGGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG--ATG	GGTGCAGAG	CG	
C											

C.ZA.03.03ZAPS124MB1.DQ369976	GCCA-----	-----	AT	TTTTATTGGA	CCAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG	CG
C.ZA.03.03ZAPS125MB1.DQ396390	GCCAAAT-----			TTTTATTGGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG	CG
C.ZA.03.03ZAPS126MB1.DQ275657	GCCAAAT-----			-----TTTATTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG	CG
C.ZA.03.03ZAPS128MB1.DQ275643	GCCAAAT-----			-----TTTATTGA	CTAGCGGTGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG	CG
C.ZA.03.03ZAPS130MB1.DQ275658	GCCA-----	-AT		TTTTATTGGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG	CG
C.ZA.03.03ZAPS131MB1.DQ396380	GCCAAAT-----			-----TTTATTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG	CG
C.ZA.03.03ZAPS133MB1.DQ275646	GCCAAAT-----			-----TTTATTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG	CG
C.ZA.03.03ZAPS136MB1.DQ351231	GCCAAAT-----			-----TTTATTGA	CTAGCGGAGG	CTAGGA-GGA	GAGAG-ATG	GGTGCGAGAG	CG
C.ZA.03.03ZAPS140MB1.DQ396981	GCCAAAT-----			-----TTTATTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG	CG
C.ZA.03.03ZAPS143MB1.DQ396391	GCCAAAT-----			-----TTTATTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG	CG
C.ZA.03.03ZAPS151MB1.DQ396392	GCCAAAT-----			-----TTTATTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG	CG
C.ZA.03.03ZAPS152MB1.DQ396399	GCCAAAT-----			-----TTTATTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG	CG
C.ZA.03.03ZAPS155MB1.DQ396371	GCCAAAT-----			-----TTTATTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG	CG
C.ZA.03.03ZASK005B2.DQ011175	GCCGAAT-----			-----TTTATTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG	CG
C.ZA.03.03ZASK006B2.AY878056	GCCAAAT-----			-----TTTATTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG	CG
C.ZA.03.03ZASK010B2.DQ164104	GCCA-----	-AT		TTTTATTGGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG	CG
C.ZA.03.03ZASK011B2.AY901965	GCCAAAT-----			-----TTTATTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG	CG
C.ZA.03.03ZASK013B2.DQ275660	GCGG-----	-AT		TTTTATTGGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGTG	CG
C.ZA.03.03ZASK016MB2.DQ351233	GCCAAAT-----			-----TTTATTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG	CG
C.ZA.03.03ZASK019B2.AY878063	GCCA-----	-AT		TTTTATTGGA	CTAGCGGAGG	CTAGAG-GGA	GAGAG-ATG	GGTGCGAGAG	CG
C.ZA.03.03ZASK020B2.AY878064	GCCA-----	-TT		TTTTATTGGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG	CG
C.ZA.03.03ZASK026B2.DQ011165	GCCAAAT-----			-----TTTATTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG	CG
C.ZA.03.03ZASK034B1.AY878065	GCCAT-----			-----TTTATTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG	CG
C.ZA.03.03ZASK036B1.AY901966	GCCT-----			-----TTTATTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG	CG
C.ZA.03.03ZASK039B2.AY878068	GCCAAAT-----			-----TTTATTGA	CTAGTGGAGG	CTAGGA-GGA	GAGAG-ATG	GGTGCGAGAG	CG
C.ZA.03.03ZASK058B2.AY901967	GCCA-----	-AT		TTTTATTGGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG	CG
C.ZA.03.03ZASK061B1.AY901968	GCCAAAT-----			-----TTTATTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG	CG
C.ZA.03.03ZASK062B1.DQ164113	GCCAAAT-----			-----TTTATTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG	CG
C.ZA.03.03ZASK066B1.AY901969	GCCAAAT-----			-----TTTATTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG	CG
C.ZA.03.03ZASK067B1.DQ275642	GCCAAAT-----			-----TTTATTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG	CG
C.ZA.03.03ZASK072B1.DQ093593	GCCA-----	-AT		TTTTATTGGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG	CG
C.ZA.03.03ZASK073B1.AY901970	GCCAAAT-----			-----TTTATTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG	CG
C.ZA.03.03ZASK076B1.AY901975	GCCA-----	-AT		TTTTATTGGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG	CG
C.ZA.03.03ZASK078B1.AY901971	GCCAAAT-----			-----TTTATTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG	CG
C.ZA.03.03ZASK084B1.AY901981	GCGG-----	-AT		TTTTATTGGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG	CG
C.ZA.03.03ZASK092B1.AY878057	GCCAAAT-----			-----TTTATTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG	CG
C.ZA.03.03ZASK094B1.AY878070	GCGG-----	-AT		TTTTATTGGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG	CG
C.ZA.03.03ZASK097B1.AY878060	GCCA-----	-AT		TTTTATTGGA	CCAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG	CG
C.ZA.03.03ZASK098B1.AY878061	GCCA-----	-AT		TTTTATTGGA	CTAGCGGAGG	CTAGAA-GGA			

C.ZA.04.04ZASK151B1.AY901977 GCCAAAT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGTG CG
 C.ZA.04.04ZASK154B1.AY878071 GCCAATT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.04.04ZASK155B1.AY901978 GCCAATT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.04.04ZASK156B1.DQ011171 GCCAAAA--- -T TTTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.04.04ZASK159B1.DQ011179 GCCA-----AT TTTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.04.04ZASK160B1.DQ011173 GCCAATT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.04.04ZASK161B1.DQ011170 GCCAAAT--- -TTCAATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.04.04ZASK163B1.AY901979 GCCA-----AT TTTTATTGA CTAGCGGGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.04.04ZASK164B1.DQ056405 GCCA-----AT TTTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.04.04ZASK165B1.DQ396387 GCCAAAT--- -TTTCTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.04.04ZASK167B1.DQ164127 GCCAAAT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.04.04ZASK168B1.AY878058 GCCGAAT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.04.04ZASK169B1.DQ396381 GCCA-----AT TTTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.04.04ZASK170B1.DQ093595 GCCAAAT--- -TTCTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.04.04ZASK171B1.DQ351217 GCCAAAT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGCG CG
 C.ZA.04.04ZASK172B1.DQ369998 GCCA-----AT TTTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.04.04ZASK173B1.DQ093604 GCCA-----AT TTCTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.04.04ZASK174B1.AY901980 GCCA-----AT TTTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.04.04ZASK175B1.DQ164129 GCCGAAT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.04.04ZASK176B1.DQ056416 GCCGAAT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.04.04ZASK178B1.DQ093587 GCCAAAT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGCG CG
 C.ZA.04.04ZASK180B1.AY878059 GCCAAAT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.04.04ZASK181B1.AY878062 GCCTAAT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.04.04ZASK182B1.AY878054 GCCGAAT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.04.04ZASK183B1.AY878055 GCCAAAT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.04.04ZASK184B1.DQ056418 GCCATTT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.04.04ZASK185B1.DQ011174 GCCGAAT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.04.04ZASK190B1.DQ056409 GCCAAAT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.04.04ZASK191B1.DQ369993 GCCAATT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.04.04ZASK192B1.DQ396382 GCCA-----AT TTTTATTGA CTAGCAGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.04.04ZASK193B1.DQ396396 GCCAAAT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.04.04ZASK196B1.DQ056413 GCCA-----AT TTTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.04.04ZASK200B1.DQ396383 GCCAAAT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.04.04ZASK201B1.DQ396397 GCCA-----AT TTTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.04.04ZASK202B1.DQ011180 GCCTAAT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.04.04ZASK204B1.DQ056414 GCCAAAT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.04.04ZASK206B1.DQ056415 GCCAATT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.04.04ZASK208B1.DQ056406 GCCAATT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.04.04ZASK217B1.DQ056417 GCCA-----AT TTTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.04.04ZASK234B1.DQ093605 GCCGAAT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.04.CAP30_5w_F4.GQ999973 GCCAAAT--- -TTTATTGA CTAGCGGAGG CTAGGG-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.04.CAP61_8w_F3.GQ999975 GCCAAAT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.04.SK133B1.AY772698 GCCA-----AT TTTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.04.SK134B1.AY703909 GCCATTT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.04.SK140B1.AY901973 GCCGAAA--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.04.SK143B1.AY703910 GCCA-----AT TTTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.04.SK144B1.AY703911 GCCAAAA--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.05.05ZAPSK240B1.DQ369991 GCCA-----AT TTTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.05.05ZASK243B1.DQ396372 GCCA-----AT TTTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.05.05ZASK244B1.DQ369992 GCCTATT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.05.05ZASK245B1.DQ369982 GCCAAAT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.05.05ZASK246B1.DQ369983 GCCAAAT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.05.05ZASK247B1.DQ369994 GCCA-----AT TTTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.05.CAP174_4w.GQ999981 GCCAATT--- -TTCTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.05.CAP206_8w_F1.GQ999982 GCCAAAT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.05.CAP210_5w.GQ999983 GCCAAAT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.05.CAP228_8w_F2.GQ999984 GCCAAAT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.05.CAP229_7w.GQ999985 GCCAAAT--- -TTTATTGA CTGGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAA CG
 C.ZA.05.CAP239_5w_F1.GQ999991 GCCGATT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.05.CAP244_8w_F1.GQ999986 GCCATTT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.05.CAP248_9w.GQ999987 GCCAATT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.05.CAP255_8w_F1.GQ999988 GCCAAAT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.05.CAP256_6w.GQ999989 ACCAATT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.05.CAP257_7w_F1.GQ999990 GCCAAAA--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.05.CAP45_5w_F1.GQ999974 GCCAAAT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.05.CAP63_5w_F4.GQ999976 GCCAATT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.05.CAP65_6w.GQ999977 GCCAAAT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.05.CAP84_3w_F2.GQ999978 GCCAATT--- -TTTATTGA CTAGCGGGG CTAGAA-GGA GAGAG--ATG GGTGCCAGTG CG
 C.ZA.05.CAP85_5w_F1.GQ999979 GCCAAAT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.05.CAP88_5w_F2.GQ999980 GCCGATT--- -TGTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.05.CAP8_3w_F2.GQ999972 GCCAATT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.07.DEMC07ZA011.JX140664 GCCAAAT--- -TTTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.08.DEMC08ZA011.JX140666 GCCTATT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
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 C.ZA.09.DEMC09ZA009.JX140668 GCCAATT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.10.DEMC10ZA001.JX140669 GCCAAAT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.90.pZAC_R3714.JN188292 GCCGAAT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.97.97ZA003.AY118165 GCCAAAT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.97.97ZA009.AY118166 GCCAAAT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.97.97ZA012.AF286227 GCTG-----AT TTTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.98.98ZA445.AY158533 GCCAAAT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.98.98ZA502.AY158534 GCCA-----AT TTTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.98.98ZA528.AY158535 GCCAATT--- -TTTATTGA CTAGCGGTG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.98.TV001.AY162223 GCCAATT--- -TTACTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.98.TV002.AY162224 GCCAAAA--- -TTTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.98.TV012.AY162225 GCCAATT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.99.99ZACM9.AF411967 GCCGAAT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.99.99ZALT21.EU293446 GCCAAAT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.99.99ZALT39.EU293447 GCCAAAT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.99.99ZALT42.EU293448 GCCA-----TTTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.99.99ZALT45.EU293449 GCCAAAT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.99.99ZALT46.EU293450 GCCA-----AT TTTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.99.99ZALT4.EU293444 GCCAATT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.99.99ZALT5.EU293445 GCCA-----AT TTTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.99.99ZATM10.AY228556 GCCA-----AT TTTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZA.99.ZASW7.AF411966 GCCAAAT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZM.02.02ZM108.AB254141 GCCA-----TTTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZM.02.02ZM110.AB254142 GCCAATT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZM.02.02ZM114.AB254146 GCCCAAT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZM.02.02ZM115.AB254148 GCCA-----AT TTTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZM.02.02ZMBC.AB254149 GCCAAAT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZM.02.02ZMDB.AB254153 GCCAAAT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZM.02.02ZMJC.AB254155 GCCATTT--- -TTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZM.03.ZM246F_fIA10.FJ496186 GCCA-----AT TTTTATTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG
 C.ZM.03.ZM247F_fIA1.FJ496195 GCCGAAT--- -TTTTGCTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCAGAG CG

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C.ZM.89.ZAM18.AB485645	GCCA-- -- -- -- --	AT TTTATTGTA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
C.ZM.96.96ZM651.AF286224	GCCAAAT-- -- -- -- --	--TTTATTGTA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
C.ZM.96.96ZM751.AF286225	GCCAAAT-- -- -- -- --	--TTTATTGTA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
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D.CD.83.ELI.K03454	GCTAAAAA-- -- -- -- --	--TTTTTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
D.CD.83.NDK.M27323	GCTGAAA-- -- -- -- --	--TTTTTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
D.CD.84.84ZR085.U88822	GCTGAAAA-- -- -- -- --	--TTTTTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
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D.KR.04.04KBH8.DQ054367	GCTAAAAA-- -- -- -- --	--TTTTTGA	CTAGCAGAGG	CTAGAA-GGG	GAAGA-ATG	GGTGCAAGAG
D.SN.90.SE365.AB485648	GCTGAAA-- -- -- -- --	--TTTTTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
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D.UG.07.p191647.JX236670	GCAA AAAA-- -- -- -- --	--TTTTTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
D.UG.07.p191882.JX236673	GCTGAAT-- -- -- -- --	--TTTTTGA	CTAGCAGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
D.UG.07.pSC191727.JX236679	GCTGAAA-- -- -- -- --	--TTTTTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
D.UG.08.p191859.JX236672	GCTGAAA-- -- -- -- --	--TTTTTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
D.UG.91.UG270.AB485650	GCTGAAA-- -- -- -- --	--AATTTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
D.UG.92.92UG001.AJ320484	GCTGAAA-- -- -- -- --	--TTTTTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
D.UG.94.94UG114.U88824	GCTAAAAA-- -- -- -- --	--ATTTTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
D.ZA.84.R2.AY773338	GCTAAAAA-- -- -- -- --	--ATTTTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
D.ZA.85.R286.AY773340	GCTAAAAA-- -- -- -- --	--TTTTTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
D.ZA.86.R482.AY773341	GCTAAAAA-- -- -- -- --	--TTTTTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
D.ZA.90.R1.EP633445	GCTAAAAA-- -- -- -- --	--TAATTTGA	CTAGCGGAGG	CTAAAA-GGA	GAGAG-ATG	GGTGCGAGAG
F1.AR.02.ARE933.DQ189088	GCCAA-- -- -- -- --	--ATTTTGA	CTAGCAGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
F1.BE.93.VI850.AF077336	GCCGAAT-- -- -- -- --	-T TTTT TTGTA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
F1.BR.02.02BR082.FJ771006	GCCAA-- -- -- -- --	--ATTTTGA	CTAGCAGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
F1.BR.02.02BR170.FJ771007	GCCAA-- -- -- -- --	--ATTTTGA	CTAGCAGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
F1.BR.06.06BR564.FJ771008	GCCAA-- -- -- -- --	--ATTTTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
F1.BR.06.06BR579.FJ771009	GCCAA-- -- -- -- --	--TTTTTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
F1.BR.07.07BR844.FJ771010	GCCCTA-- -- -- -- --	--ATTTTGA	CTAGCAGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
F1.BR.89.BZ126.AY173957	GCCAA-- -- -- -- --	--ATTTTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
F1.BR.93.93BR020_1.AF005494	GCCAAAAA-- -- -- -- --	--TTTGA	CTAGCAGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
F1.DE.x.MVP_30846.EU446022	GCCAA-- -- -- -- --	--TTTTTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
F1.ES.02.ES_X845_4.FJ670516	GCCAA-- -- -- -- --	--TTTTTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
F1.ES.11.DEMF110ES001.JX140671	GCCAAAAA-- -- -- -- --	--ATTTTGA	CTAGCAGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
F1.ES.x.P1146.DQ979023	GCCAA-- -- -- -- --	--TTTTTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
F1.ES.x.X1093_2.DQ979025	GCCRA-- -- -- -- --	--TTTTTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
F1.ES.x.X1670.DQ979024	GCCAA-- -- -- -- --	--TTTTTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
F1.FI.93.FIN9363.AF075703	GCCAA-- -- -- -- --	--TTTTTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
F1.RO.96.BCI_R07.AB485658	GCCAA-- -- -- -- --	--TTTTTGA	CTAGCGGAGG	CTAGAA-GGA	GAG-G-ATG	GGTGCGAGAG
F1.RU.08.D88_845.GQ290462	GCCA-- -- -- -- --	ATTTT TTGTA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
F2.CM.10.DEMF210CM007.JX140673	GCCAAAAA-- -- -- -- --	--TTTTTGA	CTAGCAGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
G.BE.96.DRCBL.AF084936						

01_AE.TH.05.AA107a_wg4.JX44802	GCCA-----	--ATTTTGA	CTAGCAGAGG	CTAGAA--GGA	GAGAG--ATG	GGTGCGAGAG
01_AE.TH.06.AA002a_WG1.JX44666	GCCAAA----	-ATTTTTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
01_AE.TH.06.AA017a wg1.JX44689	GCCAAAA---	-----TTT	TGTTCGA	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
01_AE.TH.06.AA034a wg2.JX44708	GCCAAA----	-ATTTTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
01_AE.TH.06.AA038a WG3.JX44713	GCCAA-----	-ATTTTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
01_AE.TH.06.AA055a_WG4.JX44731	GCCAAA----	-ATTTTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
01_AE.TH.06.AA056a _WG5.JX44731	GCCAA-----	-ATTTTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
01_AE.TH.06.AA059a_WG5.JX44735	GCCAAAA---	-ATTTTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
01_AE.TH.06.AA063a_WG37.JX4474	GCCAAA----	-ATTTTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
01_AE.TH.06.AA068a_14.JX447465	GCCAA-----	-ATTTTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
01_AE.TH.06.AA082a_WG9.JX44764	GCCAAA----	-ATTTTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
01_AE.TH.06.AA085a wg2.JX44768	GCCAA-----	-ATTTTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
01_AE.TH.06.AA088a_wq14.JX4477	GCCAAA----	-TTTTTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
01_AE.TH.06.AA099a_WG9.JX44789	GCCAA-----	-ATTTTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
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01_AE.TH.07.AA019a_WG11.JX4469	GCCAAA----	-ATTTTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
01_AE.TH.07.AA028a wg1.JX44702	GCCAA-----	-ATTTTGA	CTAGCAGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
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01_AE.TH.08.AA007a_WG10.JX4467	GCCAAA----	-ATTTTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
01_AE.TH.08.AA037a_WG6.JX44712	GCCAAA----	-ATTTTGA	CTAGCGGAGG	CTACAA-GGA	GAGAG-ATG	GGTGCGAGAG
01_AE.TH.08.AA060a_WG1.JX44735	GCCAC-----	-ATTTTGA	CTAGCAGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
01_AE.TH.08.AA067a_WG12.JX4474	GCCAA-----	-ATTTTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
01_AE.TH.08.AA108a_WG6.JX44802	GCCAAA----	-ATTTTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
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01_AE.TH.95.95TNIH047.AB032741	GCCAAA----	-ATTTTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
01_AE.TH.X.NP03_AB485654	GCCAA-----	-ATTTTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
01_AE.VN.97.97VNAG204.FJ185247	GCCAAA----	-ATTTTGA	CTAGCGGAGG	CTAGAA-GGA	GAGAG-ATG	GGTGCGAGAG
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12	BF.UY.99.URTR23.AF385934	GCCACACA	---	---	---	---	AATTTTTGA	CTAGCGGAGG	CTAGAA	-GGA	GAGAG	-ATG	GGTCCGAGAG	CG	
12	BF.UY.99.URTR35.AF385935	GCCGAAA	---	---	---	---	-AATTTTTGA	CTAGCGGAGG	CTAGAA	-GGA	GAGAG	-ATG	GGTCCGAGAG	CG	
13	cpx.CM.02.02CM.A1394.DQ8453	GCCGAAA	---	---	---	---	-TTTTCTTGA	CTAGCGGAGG	CTAGAA	-GTA	AAGAAG	-ATG	GGTCCGAGAG	CG	
13	cpx.CM.04.04CM.173.DQ8453	GCCAAAAT	---	---	---	---	-TTTTTGA	CTAGCGGAGG	CTAGAA	-GGA	GAGAG	-ATG	GGTCCGAGAG	CG	
13	cpx.CM.04.04CM.632.DQ8453	GCCAAAT	---	---	---	---	-TTCCTTTGA	CTAGCGGAGG	CTAGAA	-GGA	GAGAG	-ATG	GGTCCGAGAG	CG	
13	cpx.CM.96.96CM.1849.AF46097	GCCAAAAT	---	---	---	---	-ATTTTTTGA	CTAGTGGAGG	CTAGAA	-GGA	GAGAG	-ATG	GGTCCGAGAG	CG	
13	cpx.CM.96.96CM.4164.AF46097	GCCAAAAT	---	---	---	---	-TTTTCTTGA	CTAGCGGAGG	CTAGAA	-GGA	GAGAG	-ATG	GGTCCGAGAG	CG	
14	BG.ES.00.X605.AF450096	GCCATAA	---	---	---	---	---	-ATTTTGA	CTAGCGGAGG	CTAGAA	-GGA	GAGAG	-ATG	GGTCCGAGAG	CG
14	BG.ES.00.X623.AF450097	GCCATAA	---	---	---	---	---	-ATTTTGA	CTAGCGGAGG	CTAGAA	-GGA	GAGAG	-ATG	GGTCCGAGAG	CG
14	BG.ES.05.X1870.FJ670522	GCCATAA	---	---	---	---	---	-ATTTTGA	CTAGCGGAGG	CTAGAA	-GGA	GAGAG	-ATG	GGTCCGAGAG	CG
14	BG.ES.05.X772.H.FJ670528	GCCATAA	---	---	---	---	---	-ATTTTGA	CTAGCGGAGG	CTAGAA	-GGA	GAGAG	-ATG	GGTCCGAGAG	CG
15	01B.TH.99.99TH.MU2079.AF516	GCCAA	---	---	---	---	---	-TTTTTGA	CTAGCGGAGG	CTAGAA	-GGA	GAGAG	-ATG	GGTCCGAGAG	CG
15	01B.TH.99.99TH.R2399.AF5305	GCCAA	---	---	---	---	---	-ATTTTGA	CTAGCGGAGG	CTAGAA	-GGA	GAGAG	-ATG	GGTCCGAGAG	CG
16	A2D.KR.97.97KR004.AF286239	GCTGAAA	---	---	---	---	-ATTTTTTGA	CTAGCGGAGG	CTAAAA	-GGA	GAGAG	-ATG	GGTCCGAGAG	CG	
18	cpx.CU.99.CU14.AY586541	GCC	---	---	---	---	---	-TTTTTGA	CTAGCGGAGG	CTAGAA	-GGA	GAGGG	-ATG	GGTCCGAGAG	CG
18	cpx.CU.99.CU68.AY894993	GCCGAAA	---	---	---	---	---	-TTTTTGA	CTAGCGGAGG	CTAGAA	-GGA	GAGAG	-ATG	GGTCCGAGAG	CG
18	cpx.CU.99.CU76.AY586540	GCCAAAAT	---	---	---	---	---	-TTTTTGA	CTAGCGGAGG	CTAGAA	-GGA	GAGAG	-ATG	GGTCCGAGAG	CG
19	cpx.CU.99.CU29.AY588971	GCCA	---	---	---	---	---	-TTTTTTAA	CTAGCGGAGG	CTAGAA	-AGA	GAGAG	-ATG	GGTCCGAGAG	CG
20	BG.CU.03.CB134.DQ020274	GCCAAAC	---	---	---	---	---	-TTTTTGA	CTAGCGGAGG	CTAGAA	-GGA	GAGAG	-ATG	GGTCCGAGAG	CG
20	BG.CU.99.CU103.AY586545	GCCAAAC	---	---	---	---	---	-TTTTTGA	CTAGCGGAGG	CTAGAA	-GGA	GAGAG	-ATG	GGTCCGAGAG	CG
20	BG.ES.99.R77.AY586544	GCCAAAC	---	---	---	---	---	-TTTTTGA	CTAGCGGAGG	CTAGAA	-GGA	GAGAG	-ATG	GGTCCGAGAG	CG
22	01A1.CM.02.02CAML72.EU7439	GCCAA	---	---	---	---	---	-ATTTTGA	CTAGCGGAGG	CTAGAA	-GGA	GAGAG	-ATG	GGTCCGAGAG	CG
22	01A1.CM.06.LPH27MF.JN864049	GCCAA	---	---	---	---	---	-ATTTTGA	CTAGCGGAGG	CTAGAA	-GGA	GAGAG	-ATG	GGTCCGAGAG	CG
22	01A1.CM.10.LB054.JN864059	ACTCCCA	---	---	---	---	-TTTTTTTTGA	CTAGCGGAGG	CTAGAA	-GGA	GAGAG	-ATG	GGTCCGAGAG	CG	
23	BG.CU.03.CB118.AY900571	GCCAAAM	---	---	---	---	---	-TTTTTGA	CTAGCGGAGG	CTAGAA	-GGA	GAGAG	-ATG	GGTCCGAGAG	CG
23	BG.CU.03.CB347.AY900572	GCCAAAC	---	---	---	---	---	-TTTTTGA	CTAGCGGAGG	CTAGAA	-GGA	GAGAG	-ATG	GGTCCGAGAG	CG
24	BG.CU.03.CB378.AY900574	GCCAAAC	---	---	---	---	---	-TTTTTGA	CTAGCGGAGG	CTAGAA	-GGA	GAGAG	-ATG	GGTCCGAGAG	CG
24	BG.CU.03.CB471.AY900575	GCCAAAC	---	---	---	---	---	-TTTTTGA	CTAGCGGAGG	CTAGAA	-GGA	GAGAG	-ATG	GGTCCGAGAG	CG
24	BG.ES.08.X2456.2.FJ670526	GCCAAAC	---	---	---	---	---	-TTTTTGA	CTAGCGGAGG	CTAGAA	-GGA	GAGAG	-ATG	GGTCCGAGAG	CG
25	cpx.SA.06.06CM.BA_040.EU693	GCCAAAA	---	---	---	---	-AATTTTTTGA	CTAGCGGAGG	CTAGAA	-GGA	GAGAG	-ATG	GGTCCGAGAG	CG	
25	cpx.SA.03.J11233.EU697906	GCCATAA	---	---	---	---	---	-TTTTTGA	CTAGCGGAGG	CTAGAA	-GGA	GAGAG	-ATG	GGTCCGAGAG	CG

53_01B.MY.10.10MYKJ067.JX39061 GCCAA----- --ATCTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
53_01B.MY.10.10MYKJ079.JX39061 GCCAA----- --ATTTTGA CTAGCAGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
53_01B.MY.11.11FIR164.JX390610 GCCAA----- --ATTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
54_01B.MY.07.07MYKLD49.EU03191 GCCAA----- --ATTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
54_01B.MY.08.08MYKLD44.JX39097 GCCAA----- --ATTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
54_01B.MY.09.09MYSB023.JX39097 GCCAA----- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
55_01B.CN.10.HNCS102056.JX5746 GCCAA----- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
55_01B.CN.11.GDDG318.JX574662 GCCAA----- --ATTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
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01B.JP.x.phiv_1_Y271B01AE64.AB GCCAA----- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
01B.MM.00.mIDU502.AB097865 GCCAAAA----- AATTTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
01B.MM.99.mCSW104.AB097867 GCCAA----- --ATTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
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01B.MY.06.06MMYKLD46.EF495062 GCCAA----- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
01B.MY.07.07MYKLD47.EU031913 GCCAA----- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
01B.MY.07.07MYKLD48.EU031914 GCCAA----- --ATTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
01B.TH.05.05TH140456.JN631793 GCCAAAA----- --TTTTTGA CTAGCGGAGG CTAGAAAGGGA GAGAG--ATG GGTGCCGAGAG CG
01B.TH.05.AA095a.WG21.JX447830 GCCAA----- --TTTTTGA CTAGCAGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
01B.TH.06.AA020a.WG2.JX446927 GCCAA----- --ATTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
01B.TH.06.AA025a.WG13.JX447000 GCCAA----- --TTTTTGA CTAGCGGGGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
01B.TH.06.AA084a.WG10.JX447668 GCCAA----- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAA--ATG GGTGCCGAGAG CG
01B.TH.91.CM237.AY167123 GCCAAAA----- --AAATTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
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0206.DZ.10.DEURF10DZ001.JX1406 GCCAA----- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
0206.GH.03.03GH195AG_06.AB2868 GCCAAAA----- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
0206.NE.00.NE36.AJ508597 GCCAA----- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
0206.NE.00.NE95.AJ508596 GCCA----- --TTTTTTGA CTAGCAGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
0206.NE.97.NE03.AJ508595 GCCAT----- --ATTTTGA CTAGCAGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
0209.CI.01.01IC_17395.AJ866554 GCCAA----- --ATTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
0209.CI.01.01IC_PCI118.AJ86655 GCCAA----- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
0209.CI.01.01IC_PCI127.AJ86655 GCCA----- --TATTTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
0209.CI.97.97IC_PCI3.AJ866555 GCCATAT----- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
0222.CM.02.02CAML04.EU743964 GCCAA----- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
0222.CM.08.BDSH129.JN864052 GCCAA----- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
0222.CM.10.LB045.JN864053 GCCA----- --ATTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
02A1.ES.05.X230_10.FJ670515 GCCAA----- --ATTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
02A1.ES.07.ES_F1751.GQ372986 GCCG----- --ATTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
02A1.GH.03.GHNJ176.AB231894 GCCA----- --ATTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
02A1.GH.97.97GH_AG2.AB052867 GCCAA----- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
02A1.RU.10.10RU6637.JN230353 GCCAA----- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
02B.ES.99.99SP_11339.DQ298699 GCCA----- --ATTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
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02B.FR.09.URF2.JN882654 GCCAA----- --ATTTTGA CTAGCGGAGG CTAGAA-RGA GAGAG--ATG GGTGCCGAGG CG
02BD.FR.08.URF1.JN882653 GCCA----- --TTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
02BG.FR.10.URF5.JN882655 GCCAA----- --CTTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
02C.BE.93.VI1035.AJ276595 GCCCA----- --ACTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
02D.GH.03.GHNJ193.AB231897 GCCA----- --ATTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
02D.GH.03.p03GH194AG09.AB48004 GCCAA----- --ATTTTGA CTAGCGGAGG CTAGAA-GGA GAGAG--ATG GGTGCCGAGAG CG
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Figure S1. Alignment of all HIV-1 group M sequences described in the Los Alamos HIV sequence database (Premade web alignment of complete sequences 2012; www.hiv.lanl.gov) and used in the phylogenetic analysis (Figure 2). The region encompassing the nucleotides involved in the SD, SDa, SD-3WJ and U5-AUG interactions (positions 554-804 in the proviral HXB2 reference sequence) is shown. Sequences with ambiguous nts, nt insertions and deletions and nt variations in the analyzed region that are observed only in a single virus isolate, were excluded from the phylogenetic analysis, as these may represent reverse transcription, PCR or sequencing errors.



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