

"High evolutionary turnover of satellite families in *Caenorhabditis*"

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Satellite families

These tables are also available in Additional file 1.

With different formats: Fasta and ASCII text.

C. elegans

Genome	Family name	Number of sequences	Alignment length	Score	Consensus without gaps
Cele.WS201	Cele.WS201_Fam_1_35_213	213	56	0.455995	CCGATTTGCCGGAAATTTTcAATTcCGGCAATTTG
Cele.WS201	Cele.WS201_Fam_2_12_203	203	17	0.556588	CTAAGCCTAAGC
Cele.WS201	Cele.WS201_Fam_3_34_124	124	48	0.501228	GAAATTCAAATTTTCTGnGAAAAnaTTTTGGCGG
Cele.WS201	Cele.WS201_Fam_4_11_82	82	14	0.622259	GTACTGTAGGg
Cele.WS201	Cele.WS201_Fam_5_15_65	65	15	0.865855	TCGTGGtGAGACCCa
Cele.WS201	Cele.WS201_Fam_6_19_51	51	30	0.409142	AAAATCgATAATTTtCngA
Cele.WS201	Cele.WS201_Fam_7_40_47	47	42	0.770906	AATTTTCTCGAaTTTTCTAGAAaGTTCTgAACATTCAG
Cele.WS201	Cele.WS201_Fam_8_25_38	38	29	0.698648	TTTACTCTCTGGCTTCaCantaTAT
Cele.WS201	Cele.WS201_Fam_9_43_36	36	51	0.566459	TTgCCGgTTTGCCGATTTGCGGAAATTTTcAaTtCGgCAAT
Cele.WS201	Cele.WS201_Fam_10_19_36	36	21	0.727312	TGttAcACGAAAAATAGAT
Cele.WS201	Cele.WS201_Fam_11_14_33	33	17	0.699941	CAAACtAcAAACTA
Cele.WS201	Cele.WS201_Fam_12_16_29	29	16	0.740353	CTACaTGCCtACaTgC
Cele.WS201	Cele.WS201_Fam_13_32_22	22	36	0.746352	CTACAACACTACAAGTTTTGGGCGCTGCTAAgA
Cele.WS201	Cele.WS201_Fam_14_17_18	18	21	0.577342	CGTAGTAAAAGAgAnnC
Cele.WS201	Cele.WS201_Fam_15_17_17	17	20	0.734804	TTGACTACCTTtGcTCA
Cele.WS201	Cele.WS201_Fam_16_19_15	15	19	0.719298	GcCAAgGCaCtaGAATtGC
Cele.WS201	Cele.WS201_Fam_17_20_14	14	26	0.551212	TTTGAATTTTTnAGtCAAAA
Cele.WS201	Cele.WS201_Fam_18_11_14	14	11	0.896104	GCACATTTTTT
Cele.WS201	Cele.WS201_Fam_19_59_13	13	59	0.784442	AAAACCAAGTgAcAtTTgAAatTCCATaTtTnTCCATAATTTCTCaGTTTAAAAAatTTTG
Cele.WS201	Cele.WS201_Fam_20_37_13	13	42	0.710317	aTTTTGGCGGGAATTCAAAtTTtAAtTTTTtNAAAAt
Cele.WS201	Cele.WS201_Fam_21_26_13	13	27	0.730294	cAGAGTCAcTAttTTTGGTGAAnGt
Cele.WS201	Cele.WS201_Fam_22_22_13	13	25	0.504359	GTAATCTACAnagaaActccc
Cele.WS201	Cele.WS201_Fam_23_12_13	13	15	0.591738	CCTAtACCTAtA
Cele.WS201	Cele.WS201_Fam_24_19_12	12	23	0.775582	TTTATTTATTTAATTAATA
Cele.WS201	Cele.WS201_Fam_25_18_11	11	21	0.711400	TTAGCAGCGcCCAAAAAa
Cele.WS201	Cele.WS201_Fam_26_31_10	10	32	0.784259	TAAATAtTTAGCAGACCAaagtTgGGTaTGC
Cele.WS201	Cele.WS201_Fam_27_26_9	9	26	0.861823	TTAGACCAAtTAGATGAATTTccAAAG
Cele.WS201	Cele.WS201_Fam_28_12_9	9	19	0.412281	cTACCtACCTat
Cele.WS201	Cele.WS201_Fam_29_10_9	9	11	0.717593	GCGgtAGCGG
Cele.WS201	Cele.WS201_Fam_30_10_9	9	10	0.888889	CgATCCATCC
Cele.WS201	Cele.WS201_Fam_31_46_8	8	47	0.692249	ATCCTTcggAgCTGAAGGATCAGAnncAtCAGgAGGTACCCtTntG
Cele.WS201	Cele.WS201_Fam_32_12_8	8	16	0.598586	ATACATATACAt
Cele.WS201	Cele.WS201_Fam_33_12_8	8	15	0.520635	tAAAAAtaAAaA
Cele.WS201	Cele.WS201_Fam_34_163_7	7	168	0.701909	ACTTTTGAATTTTGAaaaaAaCAGCTTTTgATnAtATTTtGAAATTTTTtAAAAAtAaACTTCCGTACAAGCTAgcATActTTGtTTGGtAtTTCTGGTAtaTTTgactATGCTGAACgTTTTaTgAAATAAAAAAGAAATgAcTcCATATGATTTTC
Cele.WS201	Cele.WS201_Fam_35_63_7	7	68	0.663632	GGTCTGCTAAATcnaAnnTTGTAGTTTGTAGTCTAGCAGACCAaaTTTTntTCAAAAaccnctTg
Cele.WS201	Cele.WS201_Fam_36_35_7	7	36	0.649471	tTtncaAAACCGGCAATtGtCGAaATTTGCCGgAAA
Cele.WS201	Cele.WS201_Fam_37_35_7	7	35	0.691156	TTGCCGGAanTTTTnATTTTCGgCAAaTTGtcnaT
Cele.WS201	Cele.WS201_Fam_38_31_7	7	31	0.918075	TTCTGAAaGAGCTTAAATTTACTACAAAGT
Cele.WS201	Cele.WS201_Fam_39_26_7	7	26	0.733211	CATTgCGGCGgATTTtTagaAAAaTGG
Cele.WS201	Cele.WS201_Fam_40_12_7	7	17	0.539683	GAAATTTTTTtt
Cele.WS201	Cele.WS201_Fam_41_42_6	6	42	0.682540	CcgaAAAtTccAAAAACCGGcAATTGCCaAAATTTGCCgATTG
Cele.WS201	Cele.WS201_Fam_42_27_6	6	27	0.665021	AAATcGccaaAATTTGaAAATTTCCGGC
Cele.WS201	Cele.WS201_Fam_43_20_6	6	20	0.888889	GGCAGACCTAGCCTACCCTA
Cele.WS201	Cele.WS201_Fam_44_184_5	5	189	0.846208	GAATACAGAACCCAaTTATGtCCGAGAAAAAGATCnAcTCAAGAAATnAACATAntCgAAtTgtCgGAtGTATAaAGATTTCCGAAGAcATTTCCAATTAcCCAATtGTTCAAtATTCTAAAtnAnAtTCTCTTACTaGAACaCTCTTGCCAAATG
Cele.WS201	Cele.WS201_Fam_45_95_5	5	95	0.884912	TACGCaGCGGAACGTATCATAAGT
Cele.WS201	Cele.WS201_Fam_46_22_5	5	24	0.694444	AGGGCCGcAGGCCcGAaACTTcTgGAAAcTgtGGCCcagCTTTAATCCTATTTCCAAGcAgATTGTTATTTCgCTCAAGCCTAccAACCAgTTTTG
Cele.WS201	Cele.WS201_Fam_46_22_5	5	24	0.694444	agTACTGTAgggGTACTGTAgn

Cele.WS201	Cele.WS201_Fam_47_19_5	5	22	0.578788	TTTCTaGGCcATCgAtata
Cele.WS201	Cele.WS201_Fam_48_20_5	5	21	0.638095	GTAAATctACAtttgcttCC
Cele.WS201	Cele.WS201_Fam_49_94_4	4	94	0.933806	
TCAAAATCTTCTgTTCTCTAAATATTGGGTgCTTTTCGATGcCtATgTAGACAAATCAATGGGAAAATcaTCAATTTCTGaAGGCAGTAAaTTC					
Cele.WS201	Cele.WS201_Fam_50_40_4	4	41	0.796748	TAntTTTTaAtgTgACCTACTtaAAAAGTAGGTCATGACC
Cele.WS201	Cele.WS201_Fam_51_27_4	4	27	0.720165	AgaCTaCCTAgaCTACCTAgaCTaCct
Cele.WS201	Cele.WS201_Fam_52_25_4	4	25	0.920000	TATTTACTCtAATgTTCTGCCAATt
Cele.WS201	Cele.WS201_Fam_53_20_4	4	24	0.479167	tgnCCTAaAAAAATtgATaa
Cele.WS201	Cele.WS201_Fam_54_22_4	4	24	0.539352	CCACcntaagAAAgTTtCTAGG
Cele.WS201	Cele.WS201_Fam_55_24_4	4	24	0.694444	aaCCTAAGCCTAAGCctgagCcTA
Cele.WS201	Cele.WS201_Fam_56_22_4	4	22	0.560606	AAATcgcaAAATTTcnaAnAAA
Cele.WS201	Cele.WS201_Fam_57_20_4	4	20	0.697222	CTCAacCaAAAATcTcAGC
Cele.WS201	Cele.WS201_Fam_58_18_4	4	18	0.629630	CtAaGccTaaGCCgAaGc
Cele.WS201	Cele.WS201_Fam_59_16_4	4	16	0.729167	TaAGGATCTaAggATC
Cele.WS201	Cele.WS201_Fam_60_16_4	4	16	0.805556	AAATTTTCaGcAGCaA
Cele.WS201	Cele.WS201_Fam_61_14_4	4	14	0.730159	aCGCTaTacGCTaT
Cele.WS201	Cele.WS201_Fam_62_12_4	4	12	0.814815	CACGCAACGCga
Cele.WS201	Cele.WS201_Fam_63_11_4	4	11	0.898990	TGGAGCGGtT
Cele.WS201	Cele.WS201_Fam_64_10_4	4	10	0.866667	ATtcCAGAAA
Cele.WS201	Cele.WS201_Fam_65_174_3	3	183	0.826958	
TTAATCAGAAATATATTGAACCTTTGAAACATGTCTCAAcTtTaTTTTTTTTAGAttACGATGgCtCGTTTTTCAAGCTATGAATAACTTTCAAGTTTTTTGAAATAAactGGAACATTTTTTaaAATGaGtGTgTATATGtACaaACGCATgGCATTC					
ATATACATATAGAT					
Cele.WS201	Cele.WS201_Fam_66_168_3	3	172	0.746770	
TTTTTTTTGTTTTTtTGtGCCtacaTATAcCTGtTgAAATGGAAATCaAgACAAAACCCcTnTAGCGCgtCTgAAAAtgaTaTcTaGGTcCAnAACTTaCCAAATATATTTtaAAAnAATCtAGAATCCAAATCTATcAAAAcATTTCCggAATT					
CCAtAATt					
Cele.WS201	Cele.WS201_Fam_67_163_3	3	169	0.722551	
ATTTTTGACAtAtcTattCTCTCTTTTTTTTTaAcATgTAGTTCAGTGAcAactgacTCgAAAATATAATGcTcGTAATTATTTnaTAAgTgTgTgTGTCTCaGAGCCAngTCTGAAAAaACAGATTTTTTtTcGAAAATTTcAAAAantTcGTAgAAAT					
TcG					
Cele.WS201	Cele.WS201_Fam_68_79_3	3	79	0.909986	
gTGAATCTCCTcTCTaCCTaATGAGTcCTGACAGAATACCGGCAGTATTCTGGGGTCTCATTAGGTTtTaGTTTCTTcT					
Cele.WS201	Cele.WS201_Fam_69_76_3	3	76	0.918129	
AATGCTAGAgGACACTCcTTTGACCAAGGGgAAGTGGGAGAGACTGTGGaGTTGTCCGGTGTCTtTGTgCATGCTCg					
Cele.WS201	Cele.WS201_Fam_70_66_3	3	68	0.879085	AATCAACCTATTcAGTTGACAATGGTTTTCTTTTAtCAAAtTTtTtAaAATTTtAAAGAAAACACA
Cele.WS201	Cele.WS201_Fam_71_64_3	3	64	0.986111	GTAGTCAAAAAGaCAAAAGTGCGAATGTAGCTATTTTTTcAGTCAGTAGCGAAAAGACATTCA
Cele.WS201	Cele.WS201_Fam_72_48_3	3	48	0.796296	AATTTaAtTtTTGAtTTgCCCGTAATTTATattTTCTGAAGATgagc
Cele.WS201	Cele.WS201_Fam_73_42_3	3	46	0.603865	TTGcCgAanTTGcCgAAcCTnAAAATTTtTcGGCAAaccGGCAA
Cele.WS201	Cele.WS201_Fam_74_33_3	3	33	0.734007	CTgAAtATTTtCgACgAAAATTCaAATTTtTct
Cele.WS201	Cele.WS201_Fam_75_32_3	3	33	0.626263	cCAATTTTTAngCTaAaAaTcNcTtAAAAact
Cele.WS201	Cele.WS201_Fam_76_31_3	3	32	0.812500	AGAGATGAGTTGTCgAGCGAGacctCAGAAg
Cele.WS201	Cele.WS201_Fam_77_28_3	3	31	0.573477	aTcGATTTTAcntTGAAAATcGgAaAAT
Cele.WS201	Cele.WS201_Fam_78_31_3	3	31	0.770609	GGTTACTGTAACCTCAAtcctagGATtctTCG
Cele.WS201	Cele.WS201_Fam_79_30_3	3	30	0.703704	TTTCTAGAAAaatcTGgAAAcTTcTaGAat
Cele.WS201	Cele.WS201_Fam_80_26_3	3	26	0.863248	cAAAACCGCAATtGCCGaAAATTCc
Cele.WS201	Cele.WS201_Fam_81_21_3	3	23	0.700483	CTACAAACTACAAAATnaAaA
Cele.WS201	Cele.WS201_Fam_82_18_3	3	22	0.616162	GTCGATTTACGAGnTTTT
Cele.WS201	Cele.WS201_Fam_83_21_3	3	22	0.767677	tGGCAaCTTTCTacCGAAAT
Cele.WS201	Cele.WS201_Fam_84_21_3	3	21	0.751323	AAcTTTTtGtAAAATtTGAt
Cele.WS201	Cele.WS201_Fam_85_20_3	3	20	0.733333	CGAtAtaGCTAtAAACgAtA
Cele.WS201	Cele.WS201_Fam_86_17_3	3	18	0.660494	AanTAGGTCaagTTAAA
Cele.WS201	Cele.WS201_Fam_87_16_3	3	16	0.722222	TTcCAGGgTtcCAGGg
Cele.WS201	Cele.WS201_Fam_88_16_3	3	16	0.722222	aATTcCGGcAAtCgGC
Cele.WS201	Cele.WS201_Fam_89_14_3	3	15	0.651852	AATTTtTaAATTggA
Cele.WS201	Cele.WS201_Fam_90_11_3	3	11	0.717172	AGGcAGGCaaT
Cele.WS201	Cele.WS201_Fam_91_226_2	2	226	0.660767	
AAATgTtCAtcTaCAGcccTaaCtTTTgTIGCGTATTTTATTATAAATGAAAACgACCATTATAaGcAAAATAGaTaaATTTacGaAacTTTGAAAaTcAcAAATCaCTTCAAaccAACTTTTTTtagAAAagTCTTTcAGAAACTTTGTaGcAAA					
TTccAAGCTcTTTCaGAAGaTaccAaaAaATcCCAGTAGGTaCaAGAAGCTcCaaGcAGTTACAG					

Cele.WS201	Cele.WS201_Fam_92_168_2	2	168	0.761905	AATTcAaTTTTTTACATACATAgacTGCaCTTTTTGCAAAAaAAAAaTTTTGGAATTTTGGGAGAATTTTTATaAAAATGGATTGCTAATTTgTTTTTAGTATTATgGGTACGATTcgGgacCaaGaaATTCaATTTTcAGCCcCGCTAcAGGcGTTTgGTCTTc
Cele.WS201	Cele.WS201_Fam_93_86_2	2	86	0.697674	TGTATTTTGTAGTGTGttAGcCTCAACCAAAAttaattTaTTTTTaaTTcGTTGAGGCTaAgAAAAaTa
Cele.WS201	Cele.WS201_Fam_94_69_2	2	69	0.652174	TTTCCGGCAAaccGGCaAATTgccgtaATTgAAAaTTcCaaCAAATCgCAAATTGCCGAATTGAAAA
Cele.WS201	Cele.WS201_Fam_95_69_2	2	69	0.683575	AAAtTGGCaAATCGCAATTGcCaAAAATcAAaATTTTcCGGa
Cele.WS201	Cele.WS201_Fam_96_44_2	2	44	0.681818	CTGTTTTCTGAGCATTGTaGaaTTTCGGATTGATGGCCGAAAGG
Cele.WS201	Cele.WS201_Fam_97_44_2	2	44	0.909091	CGAGcTcGGCaaACaGCAAATTcGGCAAAaTCGGCAAATTGTC
Cele.WS201	Cele.WS201_Fam_98_43_2	2	43	0.782946	TCCCgTTTTCCCGTTTTTAAAATTTTCACGGGAACGGGAAT
Cele.WS201	Cele.WS201_Fam_99_41_2	2	41	1.000000	TTATGaAAAAGTGGCTCTAgaGCCACcAGAAATACCAGT
Cele.WS201	Cele.WS201_Fam_100_39_2	2	39	0.863248	GTAATTTATAATTTTTTAAAGATGAATAATAGATTGCC
Cele.WS201	Cele.WS201_Fam_101_39_2	2	39	1.000000	tTTTTaAAAAATTGATAAAAAATATAAAAAGCTGATT
Cele.WS201	Cele.WS201_Fam_102_37_2	2	37	0.914414	TTTTTAGTGAAaaGCCAGTaTTTcagAAATTGGCAAa
Cele.WS201	Cele.WS201_Fam_103_37_2	2	37	0.747748	GTAATAAGAAAATTTCaAACTTTTTTcACGaGtAT
Cele.WS201	Cele.WS201_Fam_104_35_2	2	35	0.809524	CaAGTAGATTcTTTCCGCCGTTCCGATTTTcTCCa
Cele.WS201	Cele.WS201_Fam_105_35_2	2	35	0.809524	AGCAGCCGACaCCTgcCGGTcGCcTaCAGtttt
Cele.WS201	Cele.WS201_Fam_106_33_2	2	33	0.601010	CTACAGTAACCcaACAGTAccacTaaAGTATtt
Cele.WS201	Cele.WS201_Fam_107_33_2	2	33	0.626263	aaCCAATCAGCaaTgAGCTCTgCCcATTTcTca
Cele.WS201	Cele.WS201_Fam_108_33_2	2	33	0.621212	CGACCTGCGACCTAGCGACCTaGGTCGCaTTG
Cele.WS201	Cele.WS201_Fam_109_32_2	2	32	0.916667	CGATTTTCTgGaaaAAAAACTAAAAATTC
Cele.WS201	Cele.WS201_Fam_110_31_2	2	31	0.806452	aaGGATTTCCCACTATGTCAATACATTGT
Cele.WS201	Cele.WS201_Fam_111_29_2	2	29	0.908046	CAAgaTGCCGAaTTacCCGAGaTcGGA
Cele.WS201	Cele.WS201_Fam_112_28_2	2	28	0.601190	CACTGaCCAAAGAAAAAcAaaACACGTG
Cele.WS201	Cele.WS201_Fam_113_28_2	2	28	0.785714	CCTaCagTGCTaCCgTGCCTACCgTA
Cele.WS201	Cele.WS201_Fam_114_27_2	2	27	0.703704	TCCTGGGcTcCTGaTGGTCCcggTGG
Cele.WS201	Cele.WS201_Fam_115_27_2	2	27	0.703704	TGAAATTcCACAAAaTATcGATTTTc
Cele.WS201	Cele.WS201_Fam_116_26_2	2	26	0.794872	TTgaAaTTTTTCAcGAAAAAa
Cele.WS201	Cele.WS201_Fam_117_24_2	2	24	0.625000	TcaaCGGATTTTaGGcTTAAAA
Cele.WS201	Cele.WS201_Fam_118_23_2	2	23	0.652174	CCgGCGTGGTaTTCaAcGCCTTc
Cele.WS201	Cele.WS201_Fam_119_23_2	2	23	0.710145	GGTGGCCgAaTTTTTaaAGaTC
Cele.WS201	Cele.WS201_Fam_120_23_2	2	23	0.681159	AGGCATGAGGaAGGCgcaTaaC
Cele.WS201	Cele.WS201_Fam_121_23_2	2	23	0.652174	GTACTGTAGCaaaTCAAGaTaGa
Cele.WS201	Cele.WS201_Fam_122_23_2	2	23	0.652174	TGGcTGAGGCTCTcTagATTTt
Cele.WS201	Cele.WS201_Fam_123_22_2	2	22	0.734848	AATTTTTGaTCAAAAgCGGACT
Cele.WS201	Cele.WS201_Fam_124_22_2	2	22	0.795455	AcAAACTACATTatGcAgACT
Cele.WS201	Cele.WS201_Fam_125_21_2	2	21	0.650794	cAAAAATCgACTaAAAAaGT
Cele.WS201	Cele.WS201_Fam_126_21_2	2	21	0.650794	TGGCTaAAAaTaGaGAATTTt
Cele.WS201	Cele.WS201_Fam_127_21_2	2	21	0.690476	TATCGATTTTTcCaaCagaTTt
Cele.WS201	Cele.WS201_Fam_128_21_2	2	21	0.690476	AGCAGCCGACACCTCAaaGGT
Cele.WS201	Cele.WS201_Fam_129_21_2	2	21	0.873016	TTTCCTAGTTGATaGCCGAGg
Cele.WS201	Cele.WS201_Fam_130_21_2	2	21	0.873016	AAAaTTGGCTTAAATGgTca
Cele.WS201	Cele.WS201_Fam_131_21_2	2	21	0.746032	CAACTACCACAACCTACCGTAC
Cele.WS201	Cele.WS201_Fam_132_21_2	2	21	1.000000	TTcTaAATTTTaAaGCATaT
Cele.WS201	Cele.WS201_Fam_133_20_2	2	20	0.633333	GGCCTaGAATcTcaCaCaT
Cele.WS201	Cele.WS201_Fam_134_20_2	2	20	0.666667	CCAATTggGGTacaTAGG
Cele.WS201	Cele.WS201_Fam_135_19_2	2	19	0.614035	AATTTaCCAATTgACCAAA
Cele.WS201	Cele.WS201_Fam_136_19_2	2	19	0.798246	TaAaCCTAAGCTggAGCT
Cele.WS201	Cele.WS201_Fam_137_18_2	2	18	0.666667	aAaTTGCCGGAATTaCga
Cele.WS201	Cele.WS201_Fam_138_18_2	2	18	0.629630	TAaGCaTATAaGCTTA
Cele.WS201	Cele.WS201_Fam_139_16_2	2	16	0.750000	cAaAAaTGAAAATCt
Cele.WS201	Cele.WS201_Fam_140_15_2	2	15	0.655556	GGGgCaACAAaAAaA
Cele.WS201	Cele.WS201_Fam_141_15_2	2	15	0.733333	AaAcGCTATGGc
Cele.WS201	Cele.WS201_Fam_142_13_2	2	13	0.641026	ATTcTGGAATAT
Cele.WS201	Cele.WS201_Fam_143_12_2	2	12	0.833333	TAGCTcAGcTTt
Cele.WS201	Cele.WS201_Fam_144_12_2	2	12	0.680556	GTcGAAAATG
Cele.WS201	Cele.WS201_Fam_145_11_2	2	11	0.696970	

Cele.WS201	Cele.WS201_Fam_146_11_2	2	11	0.757576	CAGTTaTCACc
Cele.WS201	Cele.WS201_Fam_147_11_2	2	11	0.757576	TGACAACTTca
Cele.WS201	Cele.WS201_Fam_148_200_1	1	200	0.000000	
TGTTGGTCCAGAAGGTATGACTGAAAAATTCACATTTTTCTGCTTGAACCTGGCAGATTTAAAAATTTTCAAATGCTGTTTTCAAATTTCTGAAAGAACTTAAAAATTTGCTACAAAATGGCTACGGGAATTTCTAAAAAAGTTAGTTTTCAAGCCAGAAATTAATTTTCAAATTTGGAAAAATCTATTAATTTTGTATATAAAT					
Cele.WS201	Cele.WS201_Fam_149_185_1	1	185	0.000000	
CTGTAGTTTTTTGTGCGCATTAAATGCAAATTAACCTTCATCTATAGAAAAATGTAGAGCATCTTTTTAAAAATAAAAAATGAATTCAAAATCTTAAAAATGAGCAAAGTTATGAAAGTTTGAAAATTTGAAATTTTCAACAAAAATTTTTTTTTGGAAATTTGGGTCTCGAAAGGTGCCGGGTA					
Cele.WS201	Cele.WS201_Fam_150_181_1	1	181	0.000000	
TTTTTAACTTTTTAAATCCACTAAAACCTGGAATGGTACAGAACATGCAAAATGTAATTTTAAAGAACTGAATGTGGTTTTCGAATATTCATGGATTGCTTTATTCGAACACTGACTCTGAAATATTTTGCATCCATTTGACTATTAATGTTCATATTATACC GAACACTACTAATTTACTGG					
Cele.WS201	Cele.WS201_Fam_151_180_1	1	180	0.000000	
CAAATATCTCTAGTTTTTAAAAACAGTTCAAATTTTGGGTTACCTCTTATTACTTTACAGTGATTGTTACATTGTAGACTCTGTGGACTGTCCAAGTCTACGACGGCATGAGTTTAGTAAAAAGGTTGTACCATGAACTGAATCAAATTTGGAAAA TTTGGAAAAATCTGCGAGAAT					
Cele.WS201	Cele.WS201_Fam_152_178_1	1	178	0.000000	
ATTTCCGAATTTAGTTTGAGAATAAAAAGAAATCCATTAGTATTTGAAATAACGTTTCAGTTCTCGAAATTTAGATCAGAATAGTTTTATAAAATCCCGAGTTTTGTGGTCTTACGAGTTAAAAAACAATCGTAGTTTTATTGCTATAAATGACAATTAACA ATTAATGGATACAACAC					
Cele.WS201	Cele.WS201_Fam_153_172_1	1	172	0.000000	
CAAACATAGGCAACCAAAAAATATTTTCCAAGTTTTTATGATTTGTTGCACATGAAAAAACTTTTTTCCGGGTTTTTAAAAATGAATATCATAGCTACAGAAACGGTTGTACACTTTTCTGAAAATACAAAAATTTGCAATTTTTATAGCTAGGAGAC TTTTTGAATGCC					
Cele.WS201	Cele.WS201_Fam_154_161_1	1	161	0.000000	
GCGTCGCGCTAAATCTCAAATTTGCCTTAATATGTTTCAGAAAGTACCACAACATATGTTTTTGAATCTTCAAAAATTTCCCTTAATTTAAGCCCCATATTAACCTAGTTTGGATAAAAACTAACGAATTTCTAAATTTTCGGCGGTTGCGTGT C					
Cele.WS201	Cele.WS201_Fam_155_156_1	1	156	0.000000	
CGAAAAATTCAGTCATTTCTAATTTTTTTTGTGCAAAAATAAAAAAATAATTAATAATTTATGAGCGTTCTATAATTTTTTAACATTTATATTTCGGACATTGCGACCCACATTTGATAATTTGAAGCAAAAACTAAAGGACTCTACTTCAAAA					
Cele.WS201	Cele.WS201_Fam_156_155_1	1	155	0.000000	
TCCCGCTGTGGTCAAAGTTTTTTGTGTGCTCAGTTCTGTACGACAAATGTGTTAAAAATCTTCTGAAAACCTCAAATTTCCAAGTTTTCCCAAAAAATGGGTCAAATGGTACAGTGGGATTTTCCACGAATTTAAGTAGATGGTCGTGAGTTCAAC					
Cele.WS201	Cele.WS201_Fam_157_151_1	1	151	0.000000	
ATTTCCAGGCTGGAATGGCCGTTTTGGGCCGTTGTAGGCCGAATCTTCAATGTTTTCTGAATACGCTGCATTAACATTTATAAGCAAAAATGAGCGTAGAATGTCGTTAATTAGAACCCCCAATTTGGCTAAATTTCTGAAAAAGTTAC					
Cele.WS201	Cele.WS201_Fam_158_145_1	1	145	0.000000	
GTGGCCTAGAAAACCTGAGCATGATTTTTCTAGGCCACCACTTCTAACATTCATAACTTGGCGGAAAATCTACATAATAAAAAATTTGCAAAAACCAATTTATTTGTCTAAAAAATGCAATAAATTTGACCTACTTGATTTTGA					
Cele.WS201	Cele.WS201_Fam_159_124_1	1	124	0.000000	
AATTTTCAAAGTTTGGAAAAATCTATTAATTTTGCATATAAATTTTATAAATTTCTGAAAGAACAATAAATTTTCTACAAAATTTTCTAAAAAATTTAGTTTGAAGACAGAATTT					
Cele.WS201	Cele.WS201_Fam_160_121_1	1	121	0.000000	
AAAAGATAGTTGCTCTTTGAGCAGAAGGTTGCAAAACCGCAAGAGCAAACCTGCCAAATGACAAAGCCACCAAGTACTCGTTGCACCTACCTATCATAAGCTCGTAGACTATAATTTCTCTG					
Cele.WS201	Cele.WS201_Fam_161_119_1	1	119	0.000000	
ACTCCAATACCAACCGATGCTAAAAGATTCTGATCCCAATTTCTGAAAATAACAGTTTCGGCTTGATGTACCAATGAGAGACACAGTGTAAACAAGTTTTTCATAGTTCTGACGGCG					
Cele.WS201	Cele.WS201_Fam_162_119_1	1	119	0.000000	
GTTGCATATTTTGCATAAATTTTACGGGAACGTAATCTCCACATCACCAGCTTTCAATTTAAGTACCACACGGCAAGGTTTAAATTTTTGAAATTTGGTCGCGGATTTTCTCGGCCACC					
Cele.WS201	Cele.WS201_Fam_163_117_1	1	117	0.000000	
TGTGGTTTCGACAGTAGGTGCATTAGCCTCTGGAACCTGGAACATCCTTTTGGCTCGACGATTGCAGCTTGTGTACTTCAGATGTTTCTTTGATTCCACAGGTGCAAGTTTCTCAAC					
Cele.WS201	Cele.WS201_Fam_164_114_1	1	114	0.000000	
GTGTTTCAGAATTACATGGAGTCTACTACTTGCAGAAATTTGTGGCTGTAGACGATTGACCTGCTGTAGTTGAATCGCTTGAACCTGTCATAGTGATGTTCCATCAGACGTTT					
Cele.WS201	Cele.WS201_Fam_165_111_1	1	111	0.000000	
CTGTTGTGACTACTTAGCGTAGCTAGATTCTAAAAATTCAGTCTTAAATTTTTATTAATTTTTAAAAAATTTTATTTACCAGTAGTCGATACTGCAGGCGTCGTTA					
Cele.WS201	Cele.WS201_Fam_166_108_1	1	108	0.000000	
TTTCAGATTTTTCAGATTTTCACTTGATTATATAGGTCACGACCCAAGTTATTTTGAATTTGAGCTACACGGCTGTAACCTTTGGAGCTATGGGTAATCAAGTATGAGC					
Cele.WS201	Cele.WS201_Fam_167_108_1	1	108	0.000000	
AAGTCTTCTTGGTTCTGTGCTTTGCTTCGAAATGTTGACCATCTCCTTGCAGGATCTTATTTGTCAGATGGAACCTTCTTGGCATACTCTCTCCACTGATGTGAGTG					
Cele.WS201	Cele.WS201_Fam_168_102_1	1	102	0.000000	
TTCTCCACCAACTGGAACCCGAAGAGCCTGGATCTTTCAGTTGAGACTACACCATATACCGGTGAGACTCCAGTAACTTTGGGACCTCCAGGATCAACAGC					
Cele.WS201	Cele.WS201_Fam_169_102_1	1	102	0.000000	
TTGCTGCAGCATATCTTTCTCCAGTACCACCTTGATATGTCGAACGATGATAGTTTGAAGATCAAGAGAATCAGTTGGACGATCAATTTCCATCTTTGGGTC					
Cele.WS201	Cele.WS201_Fam_170_102_1	1	102	0.000000	
TGTACACTTCTCCAAAATGACTGTAAGAATGGACTCCTTATATGATTTTTAAACCCGACTCTGGACATACAACTTCTCTCAAAAAGAAAATAGACTTCACA					
Cele.WS201	Cele.WS201_Fam_171_101_1	1	101	0.000000	
GGTTACTGTAGTTCCAAAAGTACGCAAAACCTGACTACGGTTCCCTAATACATCAGATATTACGACAAAAGTGCAGAAAATCGCTAAAAATGACTTTACTGG					

Cele.WS201 Cele.WS201_Fam_172_96_1 1 96 0.000000
GTTGATTTGCGGCACTCTACAGATAGTGGATCTGCTTCTTACCAATCTTCCCGTTACCGCCACGCACTAAAGCTCCAAACTATTTTATTTTTTTGG
Cele.WS201 Cele.WS201_Fam_173_93_1 1 93 0.000000
GGCTTTGGAGTTGCTTTAGCTGATGTTGGCTTGGCAACTGGTTTCTTCTCGTCATCGCTTGAATCCGAAGAGGACTCGGCCTTCTTGGCAACA
Cele.WS201 Cele.WS201_Fam_174_91_1 1 91 0.000000
AATTTTTGAAATTAATTTCTGAAAGCGGTTAAAGTTTGAACAATAATCCCCGAAAGAACTTTTTCAAAAAAGTTAATTTCAAGTCAGATATT
Cele.WS201 Cele.WS201_Fam_175_89_1 1 89 0.000000
AGTATTTTGGGGTCTCTCCCTAGTTGTAGGTTAACTTTATACCTTTTCTTCTTCTTCTTCTCGAGATGATCGGTCCAGAATACAGCC
Cele.WS201 Cele.WS201_Fam_176_85_1 1 85 0.000000
ATTTTGAAAATTAATTTCTGCGCTTGAACCTAACTTTTCTGAAATTTCCCGTAGCCATTTTGTAGCAAATTTCAAGTTCTTTTAGA
Cele.WS201 Cele.WS201_Fam_177_84_1 1 84 0.000000
TAAAAAGTGGTCTAATTTTGTGAAGACGGTAATTCATATATGAGAAATCTAGGTTTAAACCCATCAAAAACTAT
Cele.WS201 Cele.WS201_Fam_178_81_1 1 81 0.000000
TTATTTTTCGATTTTAGCGAAAATCAACACATTTTCGATCATTTTTGAACAAAAAATTTGTTTTCTCAAAAAATTTGACGC
Cele.WS201 Cele.WS201_Fam_179_80_1 1 80 0.000000
ACCGTAACCCCTTAGACAATCGAAAATCAAAATTTTCCGCAATTTTTCGTAAAATTCGGGTGTAGCGGACTTCTGGAGCT
Cele.WS201 Cele.WS201_Fam_180_80_1 1 80 0.000000
AATTTCTCAATAGCGCGCGCTTGCACATCCGAACGGCGCAAAATTTGAATTTTGGCCATAAAAATACGAAAATCGGCA
Cele.WS201 Cele.WS201_Fam_181_79_1 1 79 0.000000
ATTTTTTTTAAATTGATAAAAATATAAAAAGCTGAATTTTTCAAAAATTCAAAAGTATGGGAAAATCATATGGAGTC
Cele.WS201 Cele.WS201_Fam_182_78_1 1 78 0.000000
CGAAGTTGCTGGATCAACGATCACACAGGCGGATTTGTCTGCACAACCGGATCAGAAGTCGTCGTACTTGGATCTTT
Cele.WS201 Cele.WS201_Fam_183_78_1 1 78 0.000000
TGCAAGGCTCCGATGATGATACCACTTCTAAAGTCTGAGGTGTACAATTTTCGGGTGTCGTAGAACTTGGATCAGTAC
Cele.WS201 Cele.WS201_Fam_184_73_1 1 73 0.000000
Cele.WS201 Cele.WS201_Fam_185_72_1 1 72 0.000000
Cele.WS201 Cele.WS201_Fam_186_70_1 1 70 0.000000
Cele.WS201 Cele.WS201_Fam_187_69_1 1 69 0.000000
Cele.WS201 Cele.WS201_Fam_188_69_1 1 69 0.000000
Cele.WS201 Cele.WS201_Fam_189_68_1 1 68 0.000000
Cele.WS201 Cele.WS201_Fam_190_67_1 1 67 0.000000
Cele.WS201 Cele.WS201_Fam_191_65_1 1 65 0.000000
Cele.WS201 Cele.WS201_Fam_192_64_1 1 64 0.000000
Cele.WS201 Cele.WS201_Fam_193_62_1 1 62 0.000000
Cele.WS201 Cele.WS201_Fam_194_62_1 1 62 0.000000
Cele.WS201 Cele.WS201_Fam_195_60_1 1 60 0.000000
Cele.WS201 Cele.WS201_Fam_196_60_1 1 60 0.000000
Cele.WS201 Cele.WS201_Fam_197_60_1 1 60 0.000000
Cele.WS201 Cele.WS201_Fam_198_57_1 1 57 0.000000
Cele.WS201 Cele.WS201_Fam_199_57_1 1 57 0.000000
Cele.WS201 Cele.WS201_Fam_200_56_1 1 56 0.000000
Cele.WS201 Cele.WS201_Fam_201_52_1 1 52 0.000000
Cele.WS201 Cele.WS201_Fam_202_52_1 1 52 0.000000
Cele.WS201 Cele.WS201_Fam_203_51_1 1 51 0.000000
Cele.WS201 Cele.WS201_Fam_204_50_1 1 50 0.000000
Cele.WS201 Cele.WS201_Fam_205_50_1 1 50 0.000000
Cele.WS201 Cele.WS201_Fam_206_49_1 1 49 0.000000
Cele.WS201 Cele.WS201_Fam_207_49_1 1 49 0.000000
Cele.WS201 Cele.WS201_Fam_208_48_1 1 48 0.000000
Cele.WS201 Cele.WS201_Fam_209_45_1 1 45 0.000000
Cele.WS201 Cele.WS201_Fam_210_45_1 1 45 0.000000
Cele.WS201 Cele.WS201_Fam_211_45_1 1 45 0.000000
Cele.WS201 Cele.WS201_Fam_212_43_1 1 43 0.000000
Cele.WS201 Cele.WS201_Fam_213_43_1 1 43 0.000000
Cele.WS201 Cele.WS201_Fam_214_42_1 1 42 0.000000
Cele.WS201 Cele.WS201_Fam_215_42_1 1 42 0.000000
Cele.WS201 Cele.WS201_Fam_216_42_1 1 42 0.000000

ACTTTGTAGTTGTAGTCTAGCAGACCAAAATTTATTA AAAAAGTGCAGAAAATTTGATGGGTCTGCTAATTAAG
TCCATCCAGCTGTGGTTGGTCTCTGGGTGAATCCCTCGAGAAGTATCACGAGTAGTACCATTGGCTCCGTTG
AAAAATCGATGTTTTGAAGTTTTTCTCAATGAGCGCACTTTCAACAGCGGAGAAATTTGAATTTCCACC
CCGGAATTTCTATATTCGGCAAATACCCGTTTACATAAAATTTCTTTTCTGCAAAATTTGTTGGTTG
TTGCCGATTTGCCCGAAATTTACATTTCCGGCAAAGTCCGTTTTTCCCGGCAAAACGGCAATTTGCGAGG
TTCTAGGCCACCATTCTCCTCCTCGTGACTGTGGGAGTATCTAACCCCAACAACAACCTTTTGGTTT
CCATCCAAATCCAAATCGTTGGTGCATCATCTCCAGTCCCGAATCGCCATCTCCAGCAGCTCCCGAA
TTTTTTGAATTTCTGTTTTCAAATTTCTGAAAGAACAATAAAATTTGCTACAAAATGGCTACGGGAA
ATATACCAATGAGAGAGCACAGTGAACCTAGTTTTCATAGTTCTCACGGCGACTCCAATCACT
ATTTTCCATCAAAAATCGGCTGTAAAACCGATTTTTAACTGAAAAATCACAATTTCTAC
GTAAAAATGTTTGAATTTGAAATTTTCAACATGAAAATGCCTGAAATTTTGAATTTCTAT
AGAAAATTCGACTTTTTCGGACAATTTGAAATTTTTACTAAAAAATTTGGATATTTTTGA
ATTAGTTGAGCTTATGTCTCGGTTGAAGACACAATTTGGATGGTGGCTTGAGGAGCTGG
CTGCTGATTTCCGAGAAGAAGGCCCAACCAAGAGAGAAGCTGATCCACCAAGACTGAAT
GAATCAACAAGCTGATCAAGAGCAACACCGTGGATCCCGATCTGCCGGACAGAAGG
AAATTTCTAAGACTGTACCATTCTCTCCATTTCAAAACCTCATGTCAAATCTCAATC
GAAATTAATAATTTGTGTTTTTGGCATTTTTCTAGGCCATTTGGATTAGGTGGCCCTAG
AAAAATCGATAATTTTCTGTGATTTTACTCTAAAAATTCGGATTTTTTCGCTT
TCCGACACATCGGAACTTGGCGGCGACAGAAAAATTTGTGTCGGCGGTGAAT
CAATTCGGCAGACCGGCAATTTGCCGAAATTTGAAAAATTTCCCGGAAATTCGG
TGGCCTAGAACCCTGTTTTCTGTAGCCTAGACTATCATCTAGAAATCAA
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ACCATCAGGCGGACCACCAGGACCAATTTGATCCATCAGGAGCACC
ACAATGAATCAACTGCAGCACCAGCACATCTACAGAGACACT
CCACCAGCAGACTTCGAGTACGACAGAGAGCACTTCGACTCCAT
AGCAGCCGACAATTTGCCGTTGCCTTAAAATTTGAAGTAAATCC
GCACAATTTTCAAGATTTTTTGGTGAATAATTTGGTCATTTTT
GGACCAATGGACCAATGGGCCATCAGATCCGAATAAGCCA
CCTAGAATTTTTGGCATGTTGGCTTGTATTTTAAACAAGACGG
CGGCAATTCGGCAGTTGCCAAATTTGCCGTTTTTAAAATATC

Cele.WS201	Cele.WS201_Fam_217_42_1	1	42	0.000000	AGGTGCTGCTTCTTCGGAAACATTTTCTTGTAGTTGGCTCCGA
Cele.WS201	Cele.WS201_Fam_218_40_1	1	40	0.000000	AATTGATTTGTTTACTGAAATAAATGTTTTTTTGAAA
Cele.WS201	Cele.WS201_Fam_219_40_1	1	40	0.000000	GGAATTTTTGATTTTCCGGCTATGAAAACCGAAACAATC
Cele.WS201	Cele.WS201_Fam_220_40_1	1	40	0.000000	AAAAATCCACGTAGATATATCGATTTTTCATAGAAATTTGCA
Cele.WS201	Cele.WS201_Fam_221_40_1	1	40	0.000000	CCAATTTTTTGGCCAAAAAATCAAAAATCTGAATTTTGG
Cele.WS201	Cele.WS201_Fam_222_40_1	1	40	0.000000	AATGGGCGCCGGTTTCGCTTTGAGCGATTCTTACCCTTA
Cele.WS201	Cele.WS201_Fam_223_39_1	1	39	0.000000	GAGAGACCACCACCGCAGCTGCCACCGAAGCCTCGTCG
Cele.WS201	Cele.WS201_Fam_224_39_1	1	39	0.000000	TTTAGTCCCAGTGATATATCTGACACACTTAGGCCCCCG
Cele.WS201	Cele.WS201_Fam_225_39_1	1	39	0.000000	GTAGTCGGAGTAGTCGGAGTAGTTGGAGTAGACTTCATG
Cele.WS201	Cele.WS201_Fam_226_39_1	1	39	0.000000	TGGTACGGTAGTTGTAGTGGTAGTGGAGGTTGTTGTAGG
Cele.WS201	Cele.WS201_Fam_227_39_1	1	39	0.000000	ATTGATACTTTGTCCGGTTTAGATCATCGGCCGAGCTTC
Cele.WS201	Cele.WS201_Fam_228_38_1	1	38	0.000000	TAGGCCATCAGTGAAAACCTATGTGCTCGGTGAAAAGT
Cele.WS201	Cele.WS201_Fam_229_37_1	1	37	0.000000	CAAATTGGCAAATTTGGCAAAAAATGTTAAATCTCGC
Cele.WS201	Cele.WS201_Fam_230_36_1	1	36	0.000000	GCAGGAAATTTAAAAAATGTTGAACAACATTTTTTG
Cele.WS201	Cele.WS201_Fam_231_36_1	1	36	0.000000	GATATTTTCATGTTCCGGCAAAAGTACCGATTTGCCA
Cele.WS201	Cele.WS201_Fam_232_36_1	1	36	0.000000	CCTTTGTACCCCTTTGATCCAGGAGTTCATCGGCC
Cele.WS201	Cele.WS201_Fam_233_36_1	1	36	0.000000	TCCTGGTGGTCTGGTGGTCCAGCTTGTCCATCGAC
Cele.WS201	Cele.WS201_Fam_234_35_1	1	35	0.000000	TTTGCCGGAAATGTTGAACCTGAAAATTTTCGGG
Cele.WS201	Cele.WS201_Fam_235_35_1	1	35	0.000000	CGGCAAATTTGCCGATTTTCCGAATTTCCCGGAAAT
Cele.WS201	Cele.WS201_Fam_236_35_1	1	35	0.000000	GCCGGCGGCTGCAGACATGTTAGCGACGTGTGC
Cele.WS201	Cele.WS201_Fam_237_34_1	1	34	0.000000	CTAAGCCTAAATAGCGAACGCTCGCCACTGACGC
Cele.WS201	Cele.WS201_Fam_238_34_1	1	34	0.000000	GAAAATTCAACTGTTTTGGGGAAATTTTAAACCGG
Cele.WS201	Cele.WS201_Fam_239_34_1	1	34	0.000000	CGGCAAATTTCCCAAGCTCGGCAAAACCACCAATT
Cele.WS201	Cele.WS201_Fam_240_34_1	1	34	0.000000	AAGTATTTTTTCCGGTTTTTTTGGCGAAATTTCC
Cele.WS201	Cele.WS201_Fam_241_33_1	1	33	0.000000	TTTTAAAAATTCGGCAAAGTTAGCAAATTTGCCGG
Cele.WS201	Cele.WS201_Fam_242_33_1	1	33	0.000000	ATCCTCCTTGGGATCCTCCAGCATAATCCACCGG
Cele.WS201	Cele.WS201_Fam_243_33_1	1	33	0.000000	CTAAGGACAAAATGGGAGACGCTGGGACACCA
Cele.WS201	Cele.WS201_Fam_244_32_1	1	32	0.000000	CAGAAGCTGTCGAAAACCTCAAATTTCTCGA
Cele.WS201	Cele.WS201_Fam_245_32_1	1	32	0.000000	AACTCGGCCACCAATATTCTCAAACCTTAAGAA
Cele.WS201	Cele.WS201_Fam_246_32_1	1	32	0.000000	GCACCAAATATACCAATTTAGCACCAGATAGA
Cele.WS201	Cele.WS201_Fam_247_32_1	1	32	0.000000	CCAACAGTACCCCTTAGGACCCCTTAGGACC
Cele.WS201	Cele.WS201_Fam_248_32_1	1	32	0.000000	GGCACCGCCACCTCTCGCATTTTTCGAGAATA
Cele.WS201	Cele.WS201_Fam_249_32_1	1	32	0.000000	AAATTTATGAAAATTTAGGCCCATTTTGCCCA
Cele.WS201	Cele.WS201_Fam_250_32_1	1	32	0.000000	TCTGGACTGGTGTAGTAGAGCTGCTTGGAGGT
Cele.WS201	Cele.WS201_Fam_251_31_1	1	31	0.000000	CTGAAATTTCCAATTTTCCACAGTAAAAATGC
Cele.WS201	Cele.WS201_Fam_252_31_1	1	31	0.000000	GTGACGTCACTTTTTTTGGCGAAAACCAAGT
Cele.WS201	Cele.WS201_Fam_253_31_1	1	31	0.000000	GCTGATTTGGTCGGCATGTTCTGCTCATCATC
Cele.WS201	Cele.WS201_Fam_254_31_1	1	31	0.000000	TGCGTCGGAAATGCATTCTTATCATCAGCGG
Cele.WS201	Cele.WS201_Fam_255_31_1	1	31	0.000000	TCCGATGCATTGCCGATAATTGCCACCTGGT
Cele.WS201	Cele.WS201_Fam_256_31_1	1	31	0.000000	TCTGAGCTACAGTACTCTGTCAAGAACAAT
Cele.WS201	Cele.WS201_Fam_257_31_1	1	31	0.000000	GCAGCCGACAGTTCCTAGTTCGAAACTACAA
Cele.WS201	Cele.WS201_Fam_258_31_1	1	31	0.000000	AGTCATTTTTTGGCCAATTTTTGACTATTTTC
Cele.WS201	Cele.WS201_Fam_259_31_1	1	31	0.000000	TTGGCCAGAGCTCTCTTGACCTAAGCCCCC
Cele.WS201	Cele.WS201_Fam_260_30_1	1	30	0.000000	AATTTGATTTATTTCCGAATTTTTTAGCGAA
Cele.WS201	Cele.WS201_Fam_261_30_1	1	30	0.000000	TGGTGAAGTGGATTCCGGCAGTGGAAATGC
Cele.WS201	Cele.WS201_Fam_262_30_1	1	30	0.000000	GAAAAATGATCTACAGCGAGATTTGGAGT
Cele.WS201	Cele.WS201_Fam_263_30_1	1	30	0.000000	CAGCCCCAGCTCCGGCCCGAAGAGACCC
Cele.WS201	Cele.WS201_Fam_264_30_1	1	30	0.000000	CAAACCTACAGTAGCACTGTAGTACCATAAC
Cele.WS201	Cele.WS201_Fam_265_30_1	1	30	0.000000	TATGAAAGATCCTTCGATCAAGAAGTCACG
Cele.WS201	Cele.WS201_Fam_266_30_1	1	30	0.000000	AAAAATCAAAAATTAGATGAATTTTTCGAATA
Cele.WS201	Cele.WS201_Fam_267_30_1	1	30	0.000000	TTTTTCAACTTTTTTTCAGTTGAAGATTCAT
Cele.WS201	Cele.WS201_Fam_268_30_1	1	30	0.000000	ATCTACTTTTTTCAGATTCGGTCGAAACTTG
Cele.WS201	Cele.WS201_Fam_269_30_1	1	30	0.000000	ACTACCCAACCGGCTCCGGCAACTAGTCCG
Cele.WS201	Cele.WS201_Fam_270_29_1	1	29	0.000000	AAAAATCGATTTTTTTCAAAAATTTTCCAG
Cele.WS201	Cele.WS201_Fam_271_27_1	1	27	0.000000	GGCCAAATCTGGTGTCAAATTTTTTTA
Cele.WS201	Cele.WS201_Fam_272_27_1	1	27	0.000000	GCTGCTGGAGGATCAACTTCAACAAC
Cele.WS201	Cele.WS201_Fam_273_27_1	1	27	0.000000	TATTATAAATATAATATTACCTATTAT

Cele.WS201	Cele.WS201_Fam_274_26_1	1	26	0.000000	AAAATTAATAGATTTTCCAACTTTG
Cele.WS201	Cele.WS201_Fam_275_26_1	1	26	0.000000	ATCTACAGTACCCCTATTCTAGAGTG
Cele.WS201	Cele.WS201_Fam_276_26_1	1	26	0.000000	CGTAGTAATAAATCCAACCTGCCATT
Cele.WS201	Cele.WS201_Fam_277_26_1	1	26	0.000000	ATTTACGGAGCTTCAAGTTAATGTTG
Cele.WS201	Cele.WS201_Fam_278_26_1	1	26	0.000000	TGTCAGTGCAAATGTTTTATTATTT
Cele.WS201	Cele.WS201_Fam_279_26_1	1	26	0.000000	AAGTTCCAAAATTTCAAACATCCAA
Cele.WS201	Cele.WS201_Fam_280_24_1	1	24	0.000000	AAGTAGGTCATGACCTAATTTTTT
Cele.WS201	Cele.WS201_Fam_281_24_1	1	24	0.000000	TTTAATATACGCTATACATAAGTA
Cele.WS201	Cele.WS201_Fam_282_24_1	1	24	0.000000	GTGCTCCGTGAGCATTGGGAATTT
Cele.WS201	Cele.WS201_Fam_283_24_1	1	24	0.000000	AAAAACCGGCAAAAAAATCTTTTG
Cele.WS201	Cele.WS201_Fam_284_24_1	1	24	0.000000	GAGTCTACCACAGAATCAACTACG
Cele.WS201	Cele.WS201_Fam_285_24_1	1	24	0.000000	TTTTTTGGAAAAAATATATTGAT
Cele.WS201	Cele.WS201_Fam_286_24_1	1	24	0.000000	TTTGAGTTTATCATCCTTATCTTT
Cele.WS201	Cele.WS201_Fam_287_23_1	1	23	0.000000	GGACTAGAAATACTGAACGTGGT
Cele.WS201	Cele.WS201_Fam_288_23_1	1	23	0.000000	TGGCCTAACTTTTCCTTATTTGG
Cele.WS201	Cele.WS201_Fam_289_23_1	1	23	0.000000	CGCTGTAAGACCATTGCTGTAT
Cele.WS201	Cele.WS201_Fam_290_22_1	1	22	0.000000	GCATGGCCTGACGGTCCTGAGG
Cele.WS201	Cele.WS201_Fam_291_22_1	1	22	0.000000	ACTACAGTAATCTACGTCGCT
Cele.WS201	Cele.WS201_Fam_292_22_1	1	22	0.000000	TTTAAGCCTAGCAGGGTCCAA
Cele.WS201	Cele.WS201_Fam_293_22_1	1	22	0.000000	CCTTCCAAGAGCCTCACATGAT
Cele.WS201	Cele.WS201_Fam_294_22_1	1	22	0.000000	TCTGGGGTAGGGCTGCCTAGGA
Cele.WS201	Cele.WS201_Fam_295_22_1	1	22	0.000000	AATCTTAAATGCACATTTTTT
Cele.WS201	Cele.WS201_Fam_296_21_1	1	21	0.000000	TGGCCTCGATTCTGTACAGGG
Cele.WS201	Cele.WS201_Fam_297_21_1	1	21	0.000000	TCTCCTGGTAAATTTAAAAAT
Cele.WS201	Cele.WS201_Fam_298_21_1	1	21	0.000000	CAAACCTTTTTGGCAGATTTT
Cele.WS201	Cele.WS201_Fam_299_21_1	1	21	0.000000	ACCTGGCCAGATCGGTAGGCA
Cele.WS201	Cele.WS201_Fam_300_21_1	1	21	0.000000	GCATAAAAACGTAAATTTTTAG
Cele.WS201	Cele.WS201_Fam_301_21_1	1	21	0.000000	GCAATTTTCCCGTGCAGATCG
Cele.WS201	Cele.WS201_Fam_302_21_1	1	21	0.000000	GCAGCGCCGGTCTCATCGAGC
Cele.WS201	Cele.WS201_Fam_303_21_1	1	21	0.000000	AAAATAGCTTAAATTTGATTA
Cele.WS201	Cele.WS201_Fam_304_21_1	1	21	0.000000	CTAGATTTTTTTGGCGTTGAC
Cele.WS201	Cele.WS201_Fam_305_21_1	1	21	0.000000	CTAACATTTTTCAATTTTCGT
Cele.WS201	Cele.WS201_Fam_306_21_1	1	21	0.000000	CTAATTAGCGTCGCTTTCGTT
Cele.WS201	Cele.WS201_Fam_307_21_1	1	21	0.000000	AAAAGCCTAAAAACCCCAA
Cele.WS201	Cele.WS201_Fam_308_21_1	1	21	0.000000	GATCTTCCAGCTACACCGTCT
Cele.WS201	Cele.WS201_Fam_309_21_1	1	21	0.000000	TCAAATTAGATTACCTTTTTT
Cele.WS201	Cele.WS201_Fam_310_21_1	1	21	0.000000	TTTGCACTGACCAACACGAGT
Cele.WS201	Cele.WS201_Fam_311_21_1	1	21	0.000000	TGAAAGATTGGTCAGTGTCTA
Cele.WS201	Cele.WS201_Fam_312_20_1	1	20	0.000000	TTCTAGGCCGTAGTAAACAT
Cele.WS201	Cele.WS201_Fam_313_20_1	1	20	0.000000	TGGCAAAAATGGCAGAAAAA
Cele.WS201	Cele.WS201_Fam_314_20_1	1	20	0.000000	TAAATCTACACAGGGTGGTG
Cele.WS201	Cele.WS201_Fam_315_20_1	1	20	0.000000	TGTCGATTTACGGCGATCGA
Cele.WS201	Cele.WS201_Fam_316_20_1	1	20	0.000000	TATTGATTTTTACCGGATGT
Cele.WS201	Cele.WS201_Fam_317_20_1	1	20	0.000000	GGAAATTTTCCCGATTAGCC
Cele.WS201	Cele.WS201_Fam_318_20_1	1	20	0.000000	GCTCGAGCTCAAACCCGAC
Cele.WS201	Cele.WS201_Fam_319_20_1	1	20	0.000000	AAGGTTCTAGTAAATTCAG
Cele.WS201	Cele.WS201_Fam_320_20_1	1	20	0.000000	TTCTGGAATTTTCCTGAGC
Cele.WS201	Cele.WS201_Fam_321_19_1	1	19	0.000000	AAAATTTCTGAAAACTCGAG
Cele.WS201	Cele.WS201_Fam_322_19_1	1	19	0.000000	TGGTCAGTGCACCTGCAAC
Cele.WS201	Cele.WS201_Fam_323_18_1	1	18	0.000000	TTGTAGATCAACGGGGTC
Cele.WS201	Cele.WS201_Fam_324_18_1	1	18	0.000000	GGCCTAGGATCCATCACT
Cele.WS201	Cele.WS201_Fam_325_18_1	1	18	0.000000	TGCTCAAAGTGCTCGAGG
Cele.WS201	Cele.WS201_Fam_326_18_1	1	18	0.000000	ATAGTTAGGCTACCTGTA
Cele.WS201	Cele.WS201_Fam_327_18_1	1	18	0.000000	ACTACTGTATCGCAAGAT
Cele.WS201	Cele.WS201_Fam_328_18_1	1	18	0.000000	ATATAATGTATATAATGC
Cele.WS201	Cele.WS201_Fam_329_18_1	1	18	0.000000	CATTGTACGTTCTTCTC
Cele.WS201	Cele.WS201_Fam_330_18_1	1	18	0.000000	TTTTGTGAGTTCAATAGT

Cele.WS201	Cele.WS201_Fam_331_17_1	1	17	0.000000	CGGCGGAAAAATCTACT
Cele.WS201	Cele.WS201_Fam_332_17_1	1	17	0.000000	AAAATCAAACCGGAGAC
Cele.WS201	Cele.WS201_Fam_333_17_1	1	17	0.000000	TAACCTGACTGCTATAT
Cele.WS201	Cele.WS201_Fam_334_17_1	1	17	0.000000	GAATTAGAAAACCTTGA
Cele.WS201	Cele.WS201_Fam_335_17_1	1	17	0.000000	TTGCAAGAAAATCTGCA
Cele.WS201	Cele.WS201_Fam_336_17_1	1	17	0.000000	TAGTTTTGCACCTCTAA
Cele.WS201	Cele.WS201_Fam_337_16_1	1	16	0.000000	TTTGGAAATGTCGGAAC
Cele.WS201	Cele.WS201_Fam_338_16_1	1	16	0.000000	TGATCTGATGATCTCA
Cele.WS201	Cele.WS201_Fam_339_16_1	1	16	0.000000	GTACTGTAGGGAGAGG
Cele.WS201	Cele.WS201_Fam_340_16_1	1	16	0.000000	CGGCAAATCGGCAGAC
Cele.WS201	Cele.WS201_Fam_341_16_1	1	16	0.000000	ACCGCAACCTACCT
Cele.WS201	Cele.WS201_Fam_342_16_1	1	16	0.000000	CTCCTAGGCTCCTAGG
Cele.WS201	Cele.WS201_Fam_343_16_1	1	16	0.000000	CTTAGATCTCAATTCA
Cele.WS201	Cele.WS201_Fam_344_16_1	1	16	0.000000	GGACCAAAGGGCCAAA
Cele.WS201	Cele.WS201_Fam_345_15_1	1	15	0.000000	CGATGCTCCACCCGG
Cele.WS201	Cele.WS201_Fam_346_15_1	1	15	0.000000	GAACCACCAAAGATT
Cele.WS201	Cele.WS201_Fam_347_15_1	1	15	0.000000	AAAAGGGGATCTGCC
Cele.WS201	Cele.WS201_Fam_348_14_1	1	14	0.000000	GAAGGATCGGGCCG
Cele.WS201	Cele.WS201_Fam_349_14_1	1	14	0.000000	GGACTAAGGACTAG
Cele.WS201	Cele.WS201_Fam_350_13_1	1	13	0.000000	GCTGCCGCCCGCC
Cele.WS201	Cele.WS201_Fam_351_13_1	1	13	0.000000	CGTAGGCCATATA
Cele.WS201	Cele.WS201_Fam_352_12_1	1	12	0.000000	ACCAGGACCAGG
Cele.WS201	Cele.WS201_Fam_353_12_1	1	12	0.000000	AGTTATATAGTA
Cele.WS201	Cele.WS201_Fam_354_12_1	1	12	0.000000	AGAAAGAGGAGA
Cele.WS201	Cele.WS201_Fam_355_12_1	1	12	0.000000	CCTCCTCCACAT
Cele.WS201	Cele.WS201_Fam_356_12_1	1	12	0.000000	GCTGGAGCTGGA
Cele.WS201	Cele.WS201_Fam_357_12_1	1	12	0.000000	CATTGACTTGAG
Cele.WS201	Cele.WS201_Fam_358_11_1	1	11	0.000000	GCTCTAAAAGT
Cele.WS201	Cele.WS201_Fam_359_11_1	1	11	0.000000	CGGATAATTAA
Cele.WS201	Cele.WS201_Fam_360_11_1	1	11	0.000000	AGATACACTTC
Cele.WS201	Cele.WS201_Fam_361_11_1	1	11	0.000000	GTTGCGATTGC
Cele.WS201	Cele.WS201_Fam_362_11_1	1	11	0.000000	ATCGGTGCTAC
Cele.WS201	Cele.WS201_Fam_363_10_1	1	10	0.000000	TGGGGAAAAA
Cele.WS201	Cele.WS201_Fam_364_10_1	1	10	0.000000	TATCTATATC

C. briggsae

Genome	Family name	Number of sequences	Alignment length	Score	Consensus without gaps
Cbrig.WS247	Cbrig.WS247_Fam_1_16_1253	1253	33	0.401617	AAATTCaGAAATTCaG
Cbrig.WS247	Cbrig.WS247_Fam_2_16_557	557	16	0.854772	ATTCTgAGATTCTGAG
Cbrig.WS247	Cbrig.WS247_Fam_3_22_70	70	29	0.566840	GACCTAgaAAAAAtTAGGTCA
Cbrig.WS247	Cbrig.WS247_Fam_4_15_56	56	19	0.531203	CgGAATcCngGAATC
Cbrig.WS247	Cbrig.WS247_Fam_5_21_47	47	25	0.595954	CATTTTTCATGatTTTtggnc
Cbrig.WS247	Cbrig.WS247_Fam_6_14_46	46	17	0.690386	GGTCCTGGGTCTG
Cbrig.WS247	Cbrig.WS247_Fam_7_16_40	40	17	0.680581	GTTCTaAAAtGTcGcg
Cbrig.WS247	Cbrig.WS247_Fam_8_20_31	31	22	0.753014	AGCCTCAGTAAAAAtTCCTA
Cbrig.WS247	Cbrig.WS247_Fam_9_15_31	31	17	0.717521	CGGATCcAGGTCACC
Cbrig.WS247	Cbrig.WS247_Fam_10_14_28	28	14	0.870213	TCCTTaTTCCTTAT
Cbrig.WS247	Cbrig.WS247_Fam_11_20_22	22	20	0.780087	CTGGAATTTTCTAGAAgtTT
Cbrig.WS247	Cbrig.WS247_Fam_12_10_19	19	10	0.887719	AAaTTCcAGA
Cbrig.WS247	Cbrig.WS247_Fam_13_21_16	16	22	0.708712	GATTCCACCTccACCAGCTCc
Cbrig.WS247	Cbrig.WS247_Fam_14_15_16	16	16	0.673090	aAaCcGaCaTtTCG
Cbrig.WS247	Cbrig.WS247_Fam_15_163_15	15	165	0.714613	
GaaAAATtcGaaAAATcGgTtTTTtGAgCCcAAAATCgaaATTTTtGCTTCcAACTTTTTTCTgAatGaaCgAaTTCACgCaAATctTTtTGTAaaaAttAGTCaCnaTnATagTtTtTGTTcTAAanattTGcTTGtTCTGtCTTTTCaCAAAAcTcGtaTGT					
Cbrig.WS247	Cbrig.WS247_Fam_16_19_14	14	19	0.971467	AAATTCGGTCTTAAAA
Cbrig.WS247	Cbrig.WS247_Fam_17_29_12	12	31	0.643043	TGACCTAatTTTTnGnAtTTTCTAGGtCa
Cbrig.WS247	Cbrig.WS247_Fam_18_26_12	12	26	0.746698	CCTAGATTTcaATTTTtAGGTCATGA
Cbrig.WS247	Cbrig.WS247_Fam_19_14_12	12	18	0.641274	TGgAATCTGgAATC
Cbrig.WS247	Cbrig.WS247_Fam_20_14_12	12	17	0.605912	CAGCTCCAGagCTC
Cbrig.WS247	Cbrig.WS247_Fam_21_16_12	12	16	0.727273	GATCcAGGGATCcAgG
Cbrig.WS247	Cbrig.WS247_Fam_22_13_11	11	18	0.506229	GGCCcAgGCCcnn
Cbrig.WS247	Cbrig.WS247_Fam_23_81_10	10	81	0.965798	
TGAGAGGATTGTTGTGAAAAATTAATAAGAcCCtTTtTCGTtGTTTTTGCATcAAATCTCCCCAGAGTTTGAAGGAACCAG					
Cbrig.WS247	Cbrig.WS247_Fam_24_21_10	10	26	0.428917	aaGCnaTTTaGGcCnATTTt
Cbrig.WS247	Cbrig.WS247_Fam_25_13_9	9	13	0.692308	ctgACGGaCggAC
Cbrig.WS247	Cbrig.WS247_Fam_26_182_7	7	184	0.914941	
CATGTCATAATTGTGCTAGAAAGATGCTTTTTtAACcACcATGTTGAAAGATTCACTGAAGaGCGATGTCTAGAATaGCTCTCATTTTtGAGCGTTTTTtAGGTCAAATtACCGATTTTCTGTGAATTTTTTCAaGTATTCAACGGAAAgAtgGCCGTGTCACtATATTtTAACcAGATTAAG					
Cbrig.WS247	Cbrig.WS247_Fam_27_16_7	7	16	0.781746	tAgTTGCGAAATGTCA
Cbrig.WS247	Cbrig.WS247_Fam_28_15_7	7	15	0.932275	AAGATTTTCTTTAgG
Cbrig.WS247	Cbrig.WS247_Fam_29_30_6	6	30	0.715556	GGTgATAGTTGAAGcTGgAGtAGGTTcAGA
Cbrig.WS247	Cbrig.WS247_Fam_30_19_6	6	19	0.700585	TGaCGCATTTTcaGtGCcT
Cbrig.WS247	Cbrig.WS247_Fam_31_16_5	5	16	0.783333	AAGcCCggAAGcCCgg
Cbrig.WS247	Cbrig.WS247_Fam_32_14_5	5	15	0.740000	aCTTcCGACTTCcG
Cbrig.WS247	Cbrig.WS247_Fam_33_11_5	5	12	0.705556	CTAtTTTAAcGc
Cbrig.WS247	Cbrig.WS247_Fam_34_11_5	5	12	0.800000	tTACCgGTAAT
Cbrig.WS247	Cbrig.WS247_Fam_35_146_4	4	146	0.969559	
TCATATTTCCACCGTAAGGTTTGGATGCAAAcTTcGTTGTTTTTCTCCGGTATCGGGTTGGAAAACTATGAGGGTCTCAATCcTGtGTAcGACTAcGAACCTTTGCTGTCGGCGTCTcAGTTGATTGATCCGGCcaGTA					
Cbrig.WS247	Cbrig.WS247_Fam_36_60_4	4	60	0.922222	CaACATCaTCAGCTGAGACCTCGACAATcGCCACCTCGACCGCTGAGAcTActACAGTTc
Cbrig.WS247	Cbrig.WS247_Fam_37_46_4	4	47	0.686761	TTTCTaGGtCATtTtGAAgTgGtGgCCTAAcTTTtgCaAaTtggT
Cbrig.WS247	Cbrig.WS247_Fam_38_27_4	4	30	0.749074	ATAGaTACCATAGaTACCATAGaTACC
Cbrig.WS247	Cbrig.WS247_Fam_39_19_4	4	23	0.681159	tAAGCTAAGCCTaAGgGt
Cbrig.WS247	Cbrig.WS247_Fam_40_22_4	4	22	0.654040	aAAaTtAgCcGAAATcaTgAA
Cbrig.WS247	Cbrig.WS247_Fam_41_21_4	4	21	0.735450	ATTTTtgAcCccAAAAttagTC
Cbrig.WS247	Cbrig.WS247_Fam_42_21_4	4	21	0.904762	ATTTACCgTAATtccATTTTG
Cbrig.WS247	Cbrig.WS247_Fam_43_21_4	4	21	0.820106	TAAGCcTATGCCAcAAaaAGc
Cbrig.WS247	Cbrig.WS247_Fam_44_16_4	4	18	0.660494	GATCcAAGATCCtAaG
Cbrig.WS247	Cbrig.WS247_Fam_45_16_4	4	16	0.743056	CTGGGtttCTGaatCT

Cbrig.WS247	Cbrig.WS247_Fam_46_254_3	3	255	0.939869	
TTTTTTTgATTTTTTGTcATAGAAACGTTtCACATTCAATTTCAAGTTACGTTCCCAAAATTTTCAGGCCAAATCTCTTATTTGAACAAAGTTATTAAGGATTgTTCTAAGCaTgTACTTAAGCCAAAATTCGGTTTTcAGGCTTTTGTCCATAAAGTTTCGTA					
TCGAGAAGAGATCTCGATCTGATATtCGAAttcGGTACCTaAatTTGAATGTaAAACGTTTTTCaTAACAAAAATCTCAAAAAATTGACAAAACA					
Cbrig.WS247	Cbrig.WS247_Fam_47_167_3	3	167	0.946773	
TGACAGATTTTTGAtAGCcCttACAGaAACCGAGATaTATGGAACAGACGGCCGCTTCCGTCACACAGAGAACTTTGAGCTGAATTTGAGgGGTCTtATGCGAGTTAGCAAAAATACGTCAACTGAAGAAATGTTAACACACTTGTGCTAAGATTT					
TATTAGT					
Cbrig.WS247	Cbrig.WS247_Fam_48_154_3	3	154	0.919192	
AAAAATgtTTGAAGTCAGTAGGGGAGCATTTTTtTAGTTgACAAAACATTTTTTaTcTtTCACAGGAACGGAGATAATGACTTGAAAAACCGAAATATTCAAGTTcATTTATTCCtATTCTGGTGAAGTTATCAATAAATAGTCAAcAAGT					
Cbrig.WS247	Cbrig.WS247_Fam_49_139_3	3	139	0.968026	
ATTTCTCAATTTCGAACTGATTTTCTATAAAACaGCCCAATTTTCTGTTCCAAACCTTATCCGAAATcCAAATTTCTGTATATCgTAgCTGATGAGCGGAAATTTGGGCAGAATTgAAAATTAGAAAACCTGTGTTGTG					
Cbrig.WS247	Cbrig.WS247_Fam_50_111_3	3	111	0.855856	
GAAgACTGCGCaACaTagTTttggAaCTTgCaCGTTCCaAtATTTgCCATTTTGGTTCAGAAATGGCTCAGAAATCGGCTGGAGCAATGTgTCAaCTGGGTgTAACAGAAG					
Cbrig.WS247	Cbrig.WS247_Fam_51_111_3	3	111	0.975976	
AAATGGAAAAGAAGACTTGCTGAAAGGACCAATGAGcTTTTaGGCCAAAAATTTGTCGGATTTTCTCAAAATTAACCTTTAAGATTACGGCAGCAGTGTGTCAATGGAGA					
Cbrig.WS247	Cbrig.WS247_Fam_52_58_3	3	59	0.905838	AAAAATtAAAAATCGCATTTCCAATTTTCAAAATTTCTGAATTTCTcTtCtAAAAATCAT
Cbrig.WS247	Cbrig.WS247_Fam_53_47_3	3	50	0.593333	tTACTGTAGTTTngGATTcAnTtTTCaaAnTTGAAAAAntGAGGa
Cbrig.WS247	Cbrig.WS247_Fam_54_42_3	3	42	0.957672	GACTCGGTcGAtGTGGAGGTGATTCAGTCGAGGTACTcGTG
Cbrig.WS247	Cbrig.WS247_Fam_55_31_3	3	33	0.764310	GnGACACTTcGAAGcCaGTCATTTTCGAAACC
Cbrig.WS247	Cbrig.WS247_Fam_56_30_3	3	30	0.881481	ACTGGAGCAGCcTCGACTGGTTTCTcTTea
Cbrig.WS247	Cbrig.WS247_Fam_57_24_3	3	28	0.603175	TTTAgAATTTcAGaATTTCTGaaT
Cbrig.WS247	Cbrig.WS247_Fam_58_27_3	3	27	0.967078	AACCCCATGAACCCCATGAACCCCATt
Cbrig.WS247	Cbrig.WS247_Fam_59_24_3	3	26	0.752137	AATTCCCGCCaAAATatTTTTTTG
Cbrig.WS247	Cbrig.WS247_Fam_60_26_3	3	26	0.743590	AGTAcTcTtTGAaaTTcTgAAACTAC
Cbrig.WS247	Cbrig.WS247_Fam_61_21_3	3	24	0.620370	AgtTGAAnGGATTACTGTAGn
Cbrig.WS247	Cbrig.WS247_Fam_62_24_3	3	24	0.703704	TCCTTCTTGccTtTntCnTcCaGCT
Cbrig.WS247	Cbrig.WS247_Fam_63_21_3	3	23	0.550725	TTTTaAGTcgtTTTnGACTAt
Cbrig.WS247	Cbrig.WS247_Fam_64_21_3	3	22	0.601010	AgGcATTTTcAaaCCnATTTc
Cbrig.WS247	Cbrig.WS247_Fam_65_21_3	3	22	0.702020	TCCgAAaTCAGtcAAAAATgG
Cbrig.WS247	Cbrig.WS247_Fam_66_21_3	3	21	0.798942	TTTgTAGccCATTTTTCAGTca
Cbrig.WS247	Cbrig.WS247_Fam_67_19_3	3	20	0.694444	GTTTTAGAAcTTTTtggGAC
Cbrig.WS247	Cbrig.WS247_Fam_68_19_3	3	19	0.883041	TAGAGGTCCcaAAAAAAAT
Cbrig.WS247	Cbrig.WS247_Fam_69_16_3	3	18	0.648148	GAcCCATAGAcCCATg
Cbrig.WS247	Cbrig.WS247_Fam_70_16_3	3	17	0.718954	ACCTAGTTaCCgTAtA
Cbrig.WS247	Cbrig.WS247_Fam_71_17_3	3	17	0.790850	TCTCTTtACTACcaAG
Cbrig.WS247	Cbrig.WS247_Fam_72_14_3	3	14	0.746032	TAtAATaTAtAATA
Cbrig.WS247	Cbrig.WS247_Fam_73_10_3	3	11	0.767677	CTTCAGaATC
Cbrig.WS247	Cbrig.WS247_Fam_74_11_3	3	11	0.757576	CtTgcCCTGTt
Cbrig.WS247	Cbrig.WS247_Fam_75_10_3	3	10	0.733333	AGcCtAGCtT
Cbrig.WS247	Cbrig.WS247_Fam_76_127_2	2	127	0.968504	
AACTTTTCACACCCCATTTTcCACTTTTTAAATTTTCCCTTTCAATTTTTCATCCTaATTTTTTCAATTTTCATTTTTTGTcCTACATTTTTCATTTCCAATTTTTTGTGCATATTTTTTCATTTCT					
Cbrig.WS247	Cbrig.WS247_Fam_77_122_2	2	122	0.945355	
CATCAAACTACTaAAAAATAGACAGCAAGAATTTACTGTAGCCGAACAATTTTCGATCTaATGGGCTCTGTAGTCGCTTCAGcTGACGCACTAGCCTAAAAAGTAAATTTTGTAGCTCGTCAGAGc					
Cbrig.WS247	Cbrig.WS247_Fam_78_83_2	2	83	1.000000	
CTCCGCCCACTTTTCAGAAAGTGGGCGTGGTCTTGAAATTCGAGATTGGGGCAAGCTTAAAACTAGCTCAAACCTCGAATAGG					
Cbrig.WS247	Cbrig.WS247_Fam_79_64_2	2	64	0.830729	TTTGAATTTTtaAGAGAACACATGAGCCTGAGAATGGCTAAATTaTTGAGATTGAGtttggaa
Cbrig.WS247	Cbrig.WS247_Fam_80_53_2	2	53	0.685535	ACGACAAAAATGCaAaAAATTTTaaATTTTccGaAATTTTGcATaCAgATTTG
Cbrig.WS247	Cbrig.WS247_Fam_81_48_2	2	48	1.000000	TTTTAGAAATTTTTGGTTCGAAATGTCTATTTTTTAAAAATGTGACG
Cbrig.WS247	Cbrig.WS247_Fam_82_48_2	2	48	0.888889	TCGTGCTCGAcGATGGTACTTcAcTAGTTGAaCTGGATGGTTCGTGCTG
Cbrig.WS247	Cbrig.WS247_Fam_83_45_2	2	45	0.762963	AcGGAaCCTTCCACCcAACcACTGAAGTcCaACCACCACCc
Cbrig.WS247	Cbrig.WS247_Fam_84_41_2	2	41	1.000000	GACGACAAAAATGCACAAAAATTTGAACTAATACGCCAGAGTT
Cbrig.WS247	Cbrig.WS247_Fam_85_36_2	2	36	0.703704	cCCTACAGTAATcCTTTTGATTTTcaAtTaATTcTT
Cbrig.WS247	Cbrig.WS247_Fam_86_36_2	2	36	0.888889	TCCTGGTGGTCTGGTGGTCCaGaTTGTCCGTCGAc
Cbrig.WS247	Cbrig.WS247_Fam_87_34_2	2	34	0.607843	TGAAATTTcTGAaAATaTtGAAAACtCAAAATaATC
Cbrig.WS247	Cbrig.WS247_Fam_88_32_2	2	32	0.833333	CgACATTTTAgAACcGCGACaTTTTCAaAACCG
Cbrig.WS247	Cbrig.WS247_Fam_89_30_2	2	30	0.733333	TTCTAGAACCacCTaTTccAGaTCTGGACG
Cbrig.WS247	Cbrig.WS247_Fam_90_27_2	2	27	1.000000	GGAGCCCAGGACCACAAGGAGATGCC
Cbrig.WS247	Cbrig.WS247_Fam_91_26_2	2	26	0.897436	GAAACTACAGTAaCCcAGGaTCCTA

Cbrig.WS247	Cbrig.WS247_Fam_92_23_2	2	23	0.659420	gGTaCCgAAAAaGGCTCAAAATG
Cbrig.WS247	Cbrig.WS247_Fam_93_22_2	2	22	0.636364	GCCTAACcTTTgcTTaTTAaTG
Cbrig.WS247	Cbrig.WS247_Fam_94_21_2	2	21	0.746032	AAATTcaTcATTTTcAGGTCG
Cbrig.WS247	Cbrig.WS247_Fam_95_21_2	2	21	0.682540	ACATGGcTCCGTcGgGgGcTc
Cbrig.WS247	Cbrig.WS247_Fam_96_21_2	2	21	1.000000	TGGCCTAGAAAATAGGACTAG
Cbrig.WS247	Cbrig.WS247_Fam_97_20_2	2	20	0.725000	CGTTCGGTGATTTTTaTTTTt
Cbrig.WS247	Cbrig.WS247_Fam_98_20_2	2	20	0.600000	AACGGCCAAATcgtTaCgaT
Cbrig.WS247	Cbrig.WS247_Fam_99_20_2	2	20	0.933333	TGAGCCTACTTTTTGAGGaC
Cbrig.WS247	Cbrig.WS247_Fam_100_18_2	2	18	0.611111	GGaTTActGTAGTcATac
Cbrig.WS247	Cbrig.WS247_Fam_101_18_2	2	18	0.703704	CATAGaTaCCaAgGTAC
Cbrig.WS247	Cbrig.WS247_Fam_102_16_2	2	16	0.708333	TgAGaTTTTTTaATTC
Cbrig.WS247	Cbrig.WS247_Fam_103_16_2	2	16	0.677083	aATCaGAAATaTTGAA
Cbrig.WS247	Cbrig.WS247_Fam_104_16_2	2	16	0.625000	cTCTGGAaCtCAGAAa
Cbrig.WS247	Cbrig.WS247_Fam_105_16_2	2	16	1.000000	GAAATTCGATAACAGA
Cbrig.WS247	Cbrig.WS247_Fam_106_16_2	2	16	0.750000	TCCaAGATTCGGAaaC
Cbrig.WS247	Cbrig.WS247_Fam_107_12_2	2	12	0.722222	AAAAAtTCGAcA
Cbrig.WS247	Cbrig.WS247_Fam_108_12_2	2	12	1.000000	AAGCCTAAGCCT
Cbrig.WS247	Cbrig.WS247_Fam_109_12_2	2	12	0.777778	CATCTTCaCaTT
Cbrig.WS247	Cbrig.WS247_Fam_110_12_2	2	12	0.888889	GaAAACGGAAAC
Cbrig.WS247	Cbrig.WS247_Fam_111_11_2	2	11	0.636364	ATGGTAagCtT
Cbrig.WS247	Cbrig.WS247_Fam_112_11_2	2	11	0.757576	ATTTTTCAGcc
Cbrig.WS247	Cbrig.WS247_Fam_113_11_2	2	11	0.757576	GACCaGCGcCT
Cbrig.WS247	Cbrig.WS247_Fam_114_10_2	2	10	0.600000	CgAGAAcCAa
Cbrig.WS247	Cbrig.WS247_Fam_115_10_2	2	10	0.600000	TTCTAGacCa
Cbrig.WS247	Cbrig.WS247_Fam_116_200_1	1	200	0.000000	
AAATCTTTCAAAATCTAGGACCTACTCAAAAAGGAGAGGAAGATTCCTTAAGATTTTCAAAGAATTCAGAAGACAGGTTCCAATCTTCAATACACTTTTGAACACAGCTAAACCTTTGACTGACCGAAATATCAGTCAGCCATAGCCGTGCGGGCTCGAAA					
GTGTAAAGGAAACCGGAAATTTGTCAAAAGAATACTAAGA					
Cbrig.WS247	Cbrig.WS247_Fam_117_164_1	1	164	0.000000	
AAACAATTTTGAAATGAAGGAATGGTTTAGTTCATTTTATTAATAAATAATTTATTTGAAAACGGAACAGTATGAAAACGCAGTTTGCAAAAAATAAAAAATCGCATTTCCAATTTTCAAATTTCTGAATTTCTTTTCTAAAAATCATAAAATTCAAAAA					
AAAC					
Cbrig.WS247	Cbrig.WS247_Fam_118_163_1	1	163	0.000000	
TCAGAAAAATATTGGAAGCGAAAATAGCGATTTGGACGATCAAAAACATAATTTTTCGAATATTTAGCATATGAATTTTCGAAAAGCCAGATCAAACAGATCTTTAAACAACATTATGACTGCGTTAAACGTTTTTACAGAAATATTTGCGTGAATTCGTT					
AAT					
Cbrig.WS247	Cbrig.WS247_Fam_119_163_1	1	163	0.000000	
GAGATCTGCATGTTCTGCGGTTTATAAAATTCATATGAGAAAAATTTGAAAAATCTGTTTCTGACCCCAAAATCGTCATTTTTCGTTTCCACATTTTTTCAGAATGAACGAATTCACTCGAATCGTTTTGTAAAAATGTTAATTACTACTATCCGTCAAA					
TCT					
Cbrig.WS247	Cbrig.WS247_Fam_120_161_1	1	161	0.000000	
TGACGCTCTTGGATCTGATGGAGCGCAATTGCAATGACTTAAATTTCAAACACTGTAACCTTTTCTAGTGGACCAAAATTTTTGATTTTTTACACCATTAAAGAGGATTTTTTTTTGAATTTTAGCTGGCAATTCAAAATTTCAACAAATTCATTT					
T					
Cbrig.WS247	Cbrig.WS247_Fam_121_156_1	1	156	0.000000	
GTGATGACCTAATTGAAAAAAGCAAAGTTTGACAAATTTGACTTTGGAGCTCTTGTGCGACCGCTCTTTTACAATTTTTTTCAGCTTACGACAGTCGTAACCTTAATTTAATAGCTAGCTTCAGAAAATAGAACCTATGTAAATTTCAAATGCCA					
Cbrig.WS247	Cbrig.WS247_Fam_122_145_1	1	145	0.000000	
GGATTACTGTAGTTTTGTCTGTTCTACTAAAACCTACGGTATCTCAAGCTACAGTAATCCTAGAAAACATGAAAAATACACCAATCGACTCGGTTTCGTTGTTAACTTTTCGATTGAATACACTCTTGATTATATTTGAGAAAGTTTTT					
Cbrig.WS247	Cbrig.WS247_Fam_123_145_1	1	145	0.000000	
TTCTAGGCCATCAACCTAAAAATGGTCATAACTTGGCTGAAAAATTGAGATTTTGAGCTGAACTGAATCCAATAGGTTGCTGAGATCATCCCTGTCAATTTTAAACCTATTTAGCTCCTGGTGGCATAGAAACCAACATTTGCAT					
Cbrig.WS247	Cbrig.WS247_Fam_124_141_1	1	141	0.000000	
GTGTTTGGCTACTTTTGGAACTACAGTAGCCCGAAAAAAGAATTTTACCGGAATCCATTGCTATGGGTATCAAAATGTCAGAAATTCATATAAAATCCAGTTATATGTTTTGAAAATCAAAAAATTCGCTAGGCGTG					
Cbrig.WS247	Cbrig.WS247_Fam_125_140_1	1	140	0.000000	
GATTCTATAGGAATGAAACATACTCTGGCTCCTCGTTACTGTTGGTAGTGGTTCCGCGTGATTTTACAGTTTTTGTAGAAATAGAAAGCTGTTTTGCGTGGGAGTGGGTTTGGAGTCATTCTAAAATGAAAGGTTTTCTTGTA					
Cbrig.WS247	Cbrig.WS247_Fam_126_136_1	1	136	0.000000	
GAATTCCTAGAAAATCATTCAAAATCTAGGACCTACTTAGGAAAAGGGAGGAAGATTTCTGAATATTTTAAAAGAATTCAGAAGACAATTTCTCAATCTCAATACCTTTTCGAACACAGCTAAACCTTTGACTGACT					
Cbrig.WS247	Cbrig.WS247_Fam_127_131_1	1	131	0.000000	
AGTCAAAAATCAAGCTGAAAAGTCTTCTTTTCTAGCGGTGTTGACTTAGCTGCCATATGGGTTGAAGACTATCCTCACGAGCTGAGATGGGAACTTTTTCGCCCAATTTCTTGAAAAATCTCTGTAAA					
Cbrig.WS247	Cbrig.WS247_Fam_128_122_1	1	122	0.000000	
AATTTTCAGCCAGTGGAATGTGCCAACTGACAGTAGCAGGACCTGTGTAACGGGAAGAAGACTCGATGGCAATTTGACCTTCCAATTTAGCTTAATAGCCTGAAATTCAGGAAGATAGCT					
Cbrig.WS247	Cbrig.WS247_Fam_129_119_1	1	119	0.000000	
AAATATTTTTCACGTCTTCATTTTAAAGTTTTTGTGAATATCTAGGTCAAAATGAAATTTCTGGATTTTTAAAAACACGTTTCGGAATGCACATTTTTTCTGAATCCATTAATATAA					

Cbrig.WS247	Cbrig.WS247_Fam_130_108_1	1	108	0.000000	
					GGAGAACGATATGCCAAGAAAGTCCCAGCTGCAACAAGATTTCCAAAGGTGATGGCCAACAGTTCGAAGCCAAAACACAGAATCAAGAGGACTTCACTCACATCAGT
Cbrig.WS247	Cbrig.WS247_Fam_131_102_1	1	102	0.000000	
					TGGTCTTGGTCCGAATCCCGATGGTCCCTGTCCACGTTCTCCACGTCCTCCCGGTCCACGACGATCTGGGAAGTCCGAGTCAGGTCCAAGTCTGGTCTTTG
Cbrig.WS247	Cbrig.WS247_Fam_132_102_1	1	102	0.000000	
					AATTGATCGTCTACTGAAGGTCTAGACTCAACCACCATCAACAGATCCACGTATCAAGGAGGCACTGGTGACAGATTTCCAAGCTTCAAGACCAAAAAGATGC
Cbrig.WS247	Cbrig.WS247_Fam_133_99_1	1	99	0.000000	
					TCCGATGAGAATCGGCCTTCTAGCAGCTGTAGACTTTGGAGTAACTTTTGGTGGAGTTGTTTTAGCCGAGGCTTTTTCTCGTCGTCAGAAGAATCG
Cbrig.WS247	Cbrig.WS247_Fam_134_88_1	1	88	0.000000	
					TTTTTCAGAATGAACGAATTCACCTTGAATTATTTTGTAAAAATGTAATTACTACTATCCGTCAAATCTGAGATCTGCATGTTCTGCGC
Cbrig.WS247	Cbrig.WS247_Fam_135_73_1	1	73	0.000000	ACAACACTACATAGGAAACATTAGCAGACACATCATGCGCGTATTAGAAATGCGTCAGTTGGGTCTGTTAGACT
Cbrig.WS247	Cbrig.WS247_Fam_136_72_1	1	72	0.000000	CAAGGAAGTACCTTTGAACCACGTAACGTTTCGTAGACGGAGCTTCGGTTCCCTTACACCCGACCACTAGTT
Cbrig.WS247	Cbrig.WS247_Fam_137_72_1	1	72	0.000000	GATCCACAGTAACCAAATCTTCTTCTTTATCCGCTGTCCCATCAACCACACAGGCAACATCTAGTTCTAAGG
Cbrig.WS247	Cbrig.WS247_Fam_138_66_1	1	66	0.000000	ATGGTACGTCGCGGACTACGACCGTACGCCAAGAGCACACGAGAAAATGATGTCTGCCACCGTTG
Cbrig.WS247	Cbrig.WS247_Fam_139_65_1	1	65	0.000000	CTGAGAATTCGTTTGACATTGTCTCGGTTTTCCTTTACTCTTTCAAGCCCCGACGGCTATGGCTGA
Cbrig.WS247	Cbrig.WS247_Fam_140_64_1	1	64	0.000000	TGTCFAATTTGGGAGACGACGAGAAACGACGAGAACGACGGGGGACGGTGGGACGGATGGAGGAGATGG
Cbrig.WS247	Cbrig.WS247_Fam_141_63_1	1	63	0.000000	GAGACTCCAGAGACTCCAGAAACATCAGAGACCACCTTGACTCCTCCAACCTGGAACCTACAGCC
Cbrig.WS247	Cbrig.WS247_Fam_142_63_1	1	63	0.000000	CTGGACGCTTCTTCCTCCTCAGCTCCTTGGGTTCCCTTTGGCCGATCCTCAGCAGCTCTAG
Cbrig.WS247	Cbrig.WS247_Fam_143_63_1	1	63	0.000000	TCCTTGAGTCTTGGCTCCAACCTGGGCGGCGAGCTCTGGCTGGGCGGTGTTGTTGAGCATCAGC
Cbrig.WS247	Cbrig.WS247_Fam_144_61_1	1	61	0.000000	GATTACTGTAGATTGGGTCAAAGAGTCAATTTTAAGTCAAGAATCGAAATTTTGGATCAG
Cbrig.WS247	Cbrig.WS247_Fam_145_60_1	1	60	0.000000	ACGGAACCATGTCTGAATTCACGCTTCCGAAACTACCACAGAACCCTGTGAGACCACG
Cbrig.WS247	Cbrig.WS247_Fam_146_57_1	1	57	0.000000	TTTCCGAATTTCTGAATTTCAAGGATTTCAAGGATTTCAAGACTTCAGGACTTCAGGA
Cbrig.WS247	Cbrig.WS247_Fam_147_56_1	1	56	0.000000	CCAGAAAACGCATCAGATGAATTCAGGTCATTTCTAGGCCATTTCTACATGGTGG
Cbrig.WS247	Cbrig.WS247_Fam_148_56_1	1	56	0.000000	TTCTAGGCCACCGTCAGTCAGTGGTCCAGAATTTGTCAGAATTTACATGGTGGAT
Cbrig.WS247	Cbrig.WS247_Fam_149_54_1	1	54	0.000000	TCTGGAGAAGAGGCTACCCTGCTGCCGCCACTGAAGCCACAGTCGCCGAAGCA
Cbrig.WS247	Cbrig.WS247_Fam_150_54_1	1	54	0.000000	TGTGCTAGAAAGATGCTTTTTAACACCATGTTGAAAGATTCACCTGAAGTGCGA
Cbrig.WS247	Cbrig.WS247_Fam_151_54_1	1	54	0.000000	TTTTTTAATTTTGAACACTGCGTTTTCACTGTTCCGTTCTCAAATGAATTA
Cbrig.WS247	Cbrig.WS247_Fam_152_51_1	1	51	0.000000	TTCTTCAGATCCTCCGACTGGTGTGTGGAAGATGCATCGGATGGATTTGG
Cbrig.WS247	Cbrig.WS247_Fam_153_48_1	1	48	0.000000	TGGCCTAGAAAATGCAAAAATCTGGAAAATTAGACAATTTTGGTGGG
Cbrig.WS247	Cbrig.WS247_Fam_154_48_1	1	48	0.000000	TCAGTTGTAACAAGTCTCCGCTCTGGTCCAATGGCAAATCCAGTGGGA
Cbrig.WS247	Cbrig.WS247_Fam_155_48_1	1	48	0.000000	TTTTCTAGGCCATCGGGCAAAAATACATGTGGTGGCCTAGAAAATCCAAG
Cbrig.WS247	Cbrig.WS247_Fam_156_47_1	1	47	0.000000	TTTTCTAGGCCACGAAAAGTTTGTAGTGGACTAGGTTTTTCGATTTTAAGA
Cbrig.WS247	Cbrig.WS247_Fam_157_46_1	1	46	0.000000	TTTTCTAGGCCGATGCTCTTCATGGCCTGGGAATCCCGTTTTTGGG
Cbrig.WS247	Cbrig.WS247_Fam_158_45_1	1	45	0.000000	ACACCAGCAGGCCGCTGGACCAACCATGACGACAACAAAACCT
Cbrig.WS247	Cbrig.WS247_Fam_159_43_1	1	43	0.000000	GTCAAAAATCCGTAATTTTGTATCCGAAATTTCAATTTTTTTAT
Cbrig.WS247	Cbrig.WS247_Fam_160_43_1	1	43	0.000000	AATTTGGCTGAAATGCTAGAAAATAGGATAAAAATGGCGGA
Cbrig.WS247	Cbrig.WS247_Fam_161_42_1	1	42	0.000000	GAGAGCATTTTTTAAATTTCCAAAAGATGCAATTTCTCAATA
Cbrig.WS247	Cbrig.WS247_Fam_162_42_1	1	42	0.000000	ATTTTTGACCCAATATGACCATTTATAGCCAAATTTGAGTC
Cbrig.WS247	Cbrig.WS247_Fam_163_42_1	1	42	0.000000	GGTCATTTTTTGTACTATTTTAGGCCTATTTTGGACCAATTA
Cbrig.WS247	Cbrig.WS247_Fam_164_42_1	1	42	0.000000	TAGTGATTTTCCGGCTCAAAAATCCGCTTTTTTGGGGTCAAAAT
Cbrig.WS247	Cbrig.WS247_Fam_165_42_1	1	42	0.000000	AAATGACTATTTTCAACCTAAAACCTGGCTATTTTAAAGCCTGA
Cbrig.WS247	Cbrig.WS247_Fam_166_42_1	1	42	0.000000	GCTTAAAATGACCAATTTTGGATCTAATTTTGTCTCATTTTTG
Cbrig.WS247	Cbrig.WS247_Fam_167_42_1	1	42	0.000000	TTTTGGACCACTTTGCATGAATTTTGAACCGTTTTCCATGAA
Cbrig.WS247	Cbrig.WS247_Fam_168_41_1	1	41	0.000000	CGGAAAATCGAGTTCTCGAATTTTTTCTCGACTTTTTTTTTTC
Cbrig.WS247	Cbrig.WS247_Fam_169_39_1	1	39	0.000000	TGCCACGTGGCTGCTGCTGGTGTCTGCTGGTCTTGATAAT
Cbrig.WS247	Cbrig.WS247_Fam_170_38_1	1	38	0.000000	TGGTACCATAGGTTTTCAATAGTTCATGGAGTTTAAA
Cbrig.WS247	Cbrig.WS247_Fam_171_38_1	1	38	0.000000	CGCAAAGGCCACAAAATGCGTCAAGACACTAGAAAAG
Cbrig.WS247	Cbrig.WS247_Fam_172_38_1	1	38	0.000000	AGCCGATCGCGCATCGGCTAGTGTGGTTCGGATGTGTC
Cbrig.WS247	Cbrig.WS247_Fam_173_37_1	1	37	0.000000	GGACAACCTGAGAAAATTTGTTTTTCAACAAAACAGAT
Cbrig.WS247	Cbrig.WS247_Fam_174_36_1	1	36	0.000000	TACTGTAGAAAAGGGAAATTTTCAAAAATCAAGAAC
Cbrig.WS247	Cbrig.WS247_Fam_175_36_1	1	36	0.000000	GGAGCTCCAGGAGCCCCAGGACAAGGATCAGGAGCC
Cbrig.WS247	Cbrig.WS247_Fam_176_35_1	1	35	0.000000	TACAGTAATCCTTTGGAATTTGGTAATAAAAAATC
Cbrig.WS247	Cbrig.WS247_Fam_177_35_1	1	35	0.000000	TGGCCTAGAAAACCAAAATTTGCAATTTCTCAGCCA
Cbrig.WS247	Cbrig.WS247_Fam_178_35_1	1	35	0.000000	GGGCCCTTCTATTACAGGGGCTTTCAATTAGAGG
Cbrig.WS247	Cbrig.WS247_Fam_179_34_1	1	34	0.000000	ACTCGGAATAAGTAGTACCAATTCGATACTACTT
Cbrig.WS247	Cbrig.WS247_Fam_180_32_1	1	32	0.000000	ATTCAGATTTCTCAGATTTCTGAAGTTGCGGA
Cbrig.WS247	Cbrig.WS247_Fam_181_32_1	1	32	0.000000	AGCCATTTTTGACCTATTTTAAAGCAATTTGC

Cbrig.WS247	Cbrig.WS247_Fam_182_31_1	1	31	0.000000	ATTCGGATTCCGGATTCTGTCCATTTTTTC
Cbrig.WS247	Cbrig.WS247_Fam_183_31_1	1	31	0.000000	GTTGCAAAATGCCTGGTTCATAACGTCACG
Cbrig.WS247	Cbrig.WS247_Fam_184_31_1	1	31	0.000000	TTTCAGCGATCCTCAGCTATTTTTAGGCATG
Cbrig.WS247	Cbrig.WS247_Fam_185_31_1	1	31	0.000000	AGCGATTTTTTCTAGGAATTTTGAGGTTTTTA
Cbrig.WS247	Cbrig.WS247_Fam_186_31_1	1	31	0.000000	AAAATCATGATTTTTTAGGTTAAAATGACCG
Cbrig.WS247	Cbrig.WS247_Fam_187_31_1	1	31	0.000000	GCAGTAGCAAATTCGGTGTACTACTGCTTA
Cbrig.WS247	Cbrig.WS247_Fam_188_30_1	1	30	0.000000	CTATAAACTACAGAATCTAGACTACAGAAG
Cbrig.WS247	Cbrig.WS247_Fam_189_30_1	1	30	0.000000	TCTAATAGCTCAAAAAATGGGTCCCAATGT
Cbrig.WS247	Cbrig.WS247_Fam_190_30_1	1	30	0.000000	CTGGAAC TTTCTAGAACGTTGTGGACTTTT
Cbrig.WS247	Cbrig.WS247_Fam_191_29_1	1	29	0.000000	GATCCAGGTCACCCGGTCAAGGTCACCCG
Cbrig.WS247	Cbrig.WS247_Fam_192_29_1	1	29	0.000000	GAATCGGAGAATCGGAGCTGGTGAAGGTG
Cbrig.WS247	Cbrig.WS247_Fam_193_29_1	1	29	0.000000	AAAATTAGGTCACGAAATAGAAATACGAG
Cbrig.WS247	Cbrig.WS247_Fam_194_29_1	1	29	0.000000	GATGCCAGTGATATACTCCCGTATATCCT
Cbrig.WS247	Cbrig.WS247_Fam_195_28_1	1	28	0.000000	TACAGTAATCCAAGAAATTAGTTAAAAC
Cbrig.WS247	Cbrig.WS247_Fam_196_28_1	1	28	0.000000	GAAAAATGGGGGTCAAAAAATCGAAGT
Cbrig.WS247	Cbrig.WS247_Fam_197_28_1	1	28	0.000000	GGATCCGGACCCAGAAGTCCGGAGTCA
Cbrig.WS247	Cbrig.WS247_Fam_198_27_1	1	27	0.000000	GTGGTAGTCTCCTCGACATATGGAGTC
Cbrig.WS247	Cbrig.WS247_Fam_199_27_1	1	27	0.000000	TTCCACGCTCTCCACGTCTCCACGTT
Cbrig.WS247	Cbrig.WS247_Fam_200_27_1	1	27	0.000000	CCGAGGATCCCATGGATCTCAAGGATC
Cbrig.WS247	Cbrig.WS247_Fam_201_27_1	1	27	0.000000	TACAGTGCTTACAGTGCTTACAGTGCT
Cbrig.WS247	Cbrig.WS247_Fam_202_27_1	1	27	0.000000	TATTTTTGAGGCACGTAACGTGCCTTG
Cbrig.WS247	Cbrig.WS247_Fam_203_27_1	1	27	0.000000	CCACCATTTCTCCATTTCCGCCATGG
Cbrig.WS247	Cbrig.WS247_Fam_204_27_1	1	27	0.000000	CAAGTACCGTACTTTTGATCTCTGAAA
Cbrig.WS247	Cbrig.WS247_Fam_205_26_1	1	26	0.000000	ACCTAATTTTACAAAATCGAGGTCGG
Cbrig.WS247	Cbrig.WS247_Fam_206_26_1	1	26	0.000000	GAATACTACAATAGTCTAATATCCA
Cbrig.WS247	Cbrig.WS247_Fam_207_26_1	1	26	0.000000	GACAAATCAACGAAGGAGATGAGCC
Cbrig.WS247	Cbrig.WS247_Fam_208_25_1	1	25	0.000000	CATAGCTGACATTGCTGACCTAGAC
Cbrig.WS247	Cbrig.WS247_Fam_209_25_1	1	25	0.000000	ATTGAAATCTTGTTTCATTGCCTAGA
Cbrig.WS247	Cbrig.WS247_Fam_210_25_1	1	25	0.000000	TCTGAATCTCTGAATTACCTATTAT
Cbrig.WS247	Cbrig.WS247_Fam_211_24_1	1	24	0.000000	TATCAGAATCTCATAGATTGAAGA
Cbrig.WS247	Cbrig.WS247_Fam_212_24_1	1	24	0.000000	CAAAAGGGGTTCGATTTTGAATAAT
Cbrig.WS247	Cbrig.WS247_Fam_213_24_1	1	24	0.000000	TCCTCCTGGGATGTTCCCTCCGAA
Cbrig.WS247	Cbrig.WS247_Fam_214_24_1	1	24	0.000000	GATGTACCCTGGAATCCTTTCCCT
Cbrig.WS247	Cbrig.WS247_Fam_215_23_1	1	23	0.000000	GCCTAGAAAACCTCCTGAATTGGT
Cbrig.WS247	Cbrig.WS247_Fam_216_23_1	1	23	0.000000	TGGCCTAAAAACCCGTGTTTCAA
Cbrig.WS247	Cbrig.WS247_Fam_217_22_1	1	22	0.000000	AAATAAGCCTAAATTAGGTCAA
Cbrig.WS247	Cbrig.WS247_Fam_218_22_1	1	22	0.000000	GGTATCATTTTCAATAAATAT
Cbrig.WS247	Cbrig.WS247_Fam_219_22_1	1	22	0.000000	ACCATATGATACATAGAGATGA
Cbrig.WS247	Cbrig.WS247_Fam_220_22_1	1	22	0.000000	AAAATGGACCTGAAGGAGGGCA
Cbrig.WS247	Cbrig.WS247_Fam_221_21_1	1	21	0.000000	AAGTTAGGCCACGACTTTCGG
Cbrig.WS247	Cbrig.WS247_Fam_222_21_1	1	21	0.000000	GGTTACTGTAGCTTTTTTCTG
Cbrig.WS247	Cbrig.WS247_Fam_223_21_1	1	21	0.000000	GGGATCTAGGTCATGGTATT
Cbrig.WS247	Cbrig.WS247_Fam_224_21_1	1	21	0.000000	CATGGGCAAGTACAGGCAAGC
Cbrig.WS247	Cbrig.WS247_Fam_225_21_1	1	21	0.000000	TCTAGCTTAAAATAGGCCTTT
Cbrig.WS247	Cbrig.WS247_Fam_226_21_1	1	21	0.000000	CTACAACACTACAACGCCTAGG
Cbrig.WS247	Cbrig.WS247_Fam_227_21_1	1	21	0.000000	AAGGTACCATTGTATCATTGA
Cbrig.WS247	Cbrig.WS247_Fam_228_21_1	1	21	0.000000	TCCGGATCCCGGATGCCTGTG
Cbrig.WS247	Cbrig.WS247_Fam_229_21_1	1	21	0.000000	GATTCGGTTCGAGGTAAGGTTG
Cbrig.WS247	Cbrig.WS247_Fam_230_21_1	1	21	0.000000	ACTACGGAACCTTCCACTATC
Cbrig.WS247	Cbrig.WS247_Fam_231_21_1	1	21	0.000000	ATTTTGGCTCTTGA AACCTG
Cbrig.WS247	Cbrig.WS247_Fam_232_21_1	1	21	0.000000	AAAATAGGTCATGCCATTTAA
Cbrig.WS247	Cbrig.WS247_Fam_233_20_1	1	20	0.000000	CTGACCGACCACCGATCAAT
Cbrig.WS247	Cbrig.WS247_Fam_234_20_1	1	20	0.000000	TTTCTAGGCCATCAGTGAGG
Cbrig.WS247	Cbrig.WS247_Fam_235_20_1	1	20	0.000000	AAATTCAGAAAAATTGACGGC
Cbrig.WS247	Cbrig.WS247_Fam_236_20_1	1	20	0.000000	GTCTATTAGAAGAGATGCAG
Cbrig.WS247	Cbrig.WS247_Fam_237_20_1	1	20	0.000000	AAGATGGTACCTCAGCTGGG
Cbrig.WS247	Cbrig.WS247_Fam_238_20_1	1	20	0.000000	AGCATGATCCCATCCCTCTC

Cbrig.WS247	Cbrig.WS247_Fam_239_19_1	1	19	0.000000	ACCATGAAGTGCCATGGA
Cbrig.WS247	Cbrig.WS247_Fam_240_19_1	1	19	0.000000	TACTGTAGTTCAAAAAGAC
Cbrig.WS247	Cbrig.WS247_Fam_241_19_1	1	19	0.000000	AAATGTGTCAAGGAATCAA
Cbrig.WS247	Cbrig.WS247_Fam_242_19_1	1	19	0.000000	AAACCACGAGAGTCCCAA
Cbrig.WS247	Cbrig.WS247_Fam_243_19_1	1	19	0.000000	TTAGTCCTAACCGCAAGAG
Cbrig.WS247	Cbrig.WS247_Fam_244_18_1	1	18	0.000000	TTTTGAAAAAAAAAATTT
Cbrig.WS247	Cbrig.WS247_Fam_245_18_1	1	18	0.000000	CAGAAGACGTCAAGGATT
Cbrig.WS247	Cbrig.WS247_Fam_246_18_1	1	18	0.000000	CAGATGGTTCGGTTCAT
Cbrig.WS247	Cbrig.WS247_Fam_247_18_1	1	18	0.000000	GGGTCTCTGGTGACCCGG
Cbrig.WS247	Cbrig.WS247_Fam_248_17_1	1	17	0.000000	AGGGTACATCGGATCAG
Cbrig.WS247	Cbrig.WS247_Fam_249_17_1	1	17	0.000000	TGTTTTGTTCTAATATC
Cbrig.WS247	Cbrig.WS247_Fam_250_16_1	1	16	0.000000	GTAATAATTTTAGGCTT
Cbrig.WS247	Cbrig.WS247_Fam_251_16_1	1	16	0.000000	GATTCTGGATTTTAAG
Cbrig.WS247	Cbrig.WS247_Fam_252_16_1	1	16	0.000000	CTCGCTGTCTCGCTGT
Cbrig.WS247	Cbrig.WS247_Fam_253_16_1	1	16	0.000000	TTTGCAACTAGGAAAA
Cbrig.WS247	Cbrig.WS247_Fam_254_16_1	1	16	0.000000	CTATAACGCTATAACG
Cbrig.WS247	Cbrig.WS247_Fam_255_16_1	1	16	0.000000	TTAATGGGTTAATGTT
Cbrig.WS247	Cbrig.WS247_Fam_256_16_1	1	16	0.000000	TGGTCTCTGGTCCAC
Cbrig.WS247	Cbrig.WS247_Fam_257_16_1	1	16	0.000000	AAGCCCGAAAGTTTGG
Cbrig.WS247	Cbrig.WS247_Fam_258_16_1	1	16	0.000000	TTCATAGGGCGACGAG
Cbrig.WS247	Cbrig.WS247_Fam_259_16_1	1	16	0.000000	CAGTCTATTCAGAG
Cbrig.WS247	Cbrig.WS247_Fam_260_15_1	1	15	0.000000	TGTAAGCTATGAGCT
Cbrig.WS247	Cbrig.WS247_Fam_261_15_1	1	15	0.000000	CATCCTCCGCTGGAT
Cbrig.WS247	Cbrig.WS247_Fam_262_14_1	1	14	0.000000	AAGTGAAAAAATAT
Cbrig.WS247	Cbrig.WS247_Fam_263_14_1	1	14	0.000000	TTTTTGTGCTATAA
Cbrig.WS247	Cbrig.WS247_Fam_264_14_1	1	14	0.000000	ACCGCAGACCTAAG
Cbrig.WS247	Cbrig.WS247_Fam_265_14_1	1	14	0.000000	CTCGGGGCTCGGGG
Cbrig.WS247	Cbrig.WS247_Fam_266_14_1	1	14	0.000000	TACGAACTACATAC
Cbrig.WS247	Cbrig.WS247_Fam_267_12_1	1	12	0.000000	GGATGGACGGAT
Cbrig.WS247	Cbrig.WS247_Fam_268_12_1	1	12	0.000000	TGGTGGTGGAGG
Cbrig.WS247	Cbrig.WS247_Fam_269_12_1	1	12	0.000000	GCCCTAGCCCTA
Cbrig.WS247	Cbrig.WS247_Fam_270_12_1	1	12	0.000000	ATGGGACCCATC
Cbrig.WS247	Cbrig.WS247_Fam_271_11_1	1	11	0.000000	GCGAGCGACGG
Cbrig.WS247	Cbrig.WS247_Fam_272_11_1	1	11	0.000000	TTTGGGCAAGT
Cbrig.WS247	Cbrig.WS247_Fam_273_11_1	1	11	0.000000	AGCCGGCCGAC
Cbrig.WS247	Cbrig.WS247_Fam_274_10_1	1	10	0.000000	TCGAGTCTCG
Cbrig.WS247	Cbrig.WS247_Fam_275_10_1	1	10	0.000000	GTGTGTGGGT

C. brenneri

Genome	Family name	Number of sequences	Alignment length	Score	Consensus without gaps
Cbren.WS247	Cbren.WS247_Fam_1_10_97	97	11	0.805295	TaGAAGTTTC
Cbren.WS247	Cbren.WS247_Fam_2_18_65	65	18	0.935835	AATTCCCATACCCAAAAT
Cbren.WS247	Cbren.WS247_Fam_3_28_64	64	39	0.524242	ntTTTTGAAtTTTTGAATTCCCGCCAAA
Cbren.WS247	Cbren.WS247_Fam_4_15_62	62	18	0.695169	GGTCCCCGATTTTTc
Cbren.WS247	Cbren.WS247_Fam_5_20_44	44	26	0.552136	tTTTTTgGGtCCTCgATTTt
Cbren.WS247	Cbren.WS247_Fam_6_20_42	42	23	0.627161	GGCCTAACTTTtcaAAATan
Cbren.WS247	Cbren.WS247_Fam_7_52_38	38	55	0.764619	TCCATTACCTGggtAAATGgCAGcAGGTAGCTATACGTTGccTtTcCCTAA
Cbren.WS247	Cbren.WS247_Fam_8_12_37	37	12	0.700701	GCttAGGCTtAG
Cbren.WS247	Cbren.WS247_Fam_9_10_36	36	14	0.600340	GCCTTAGACA
Cbren.WS247	Cbren.WS247_Fam_10_24_31	31	32	0.634543	AGGTCATGACCTAGAAAAAAAT
Cbren.WS247	Cbren.WS247_Fam_11_10_27	27	11	0.707589	CCGGTCTGGT
Cbren.WS247	Cbren.WS247_Fam_12_20_26	26	21	0.721074	AAAAACACGGTCCCAattnt
Cbren.WS247	Cbren.WS247_Fam_13_30_25	25	30	0.913185	ATCGGGGACCgAAAATcGtGGCCCGAAAA
Cbren.WS247	Cbren.WS247_Fam_14_20_23	23	27	0.459450	CTTaGCCTCTACAAAnnnnc
Cbren.WS247	Cbren.WS247_Fam_15_16_22	22	17	0.715559	ATCTGGAcATcCGGAc
Cbren.WS247	Cbren.WS247_Fam_16_15_20	20	17	0.697110	GAAACCgGACATTTc
Cbren.WS247	Cbren.WS247_Fam_17_16_20	20	17	0.714190	TCTGtATGTCGTaTG
Cbren.WS247	Cbren.WS247_Fam_18_161_18	18	163	0.770988	
TCCAACtTTAGAAAAATCgAATtTTTTTCAGTAgAnTCGAAAATcAAGattTTTTTgCATTGtCCTGGCGaCagCtaGaATcGTTtGaAcTgagCATATtaTGcATTGCcAGanTaaTTCTGACCATTTGACAtCAATttgAGtGtGCcCactCAGAT					
Cbren.WS247	Cbren.WS247_Fam_19_174_17	17	176	0.865948	
AAAATCCAAAAATATGAcCttTTtTaTCTGATATTTTaGGATTTTGGTCTATTTCTGTCCGCCCTGAAAAAGTTTGAGCTTCTAATGGTCCAGActtGTGaTAATTTGTTTCAATACGTTGTAGTTCATCATTTtGTGCTGtaTCTCGATTGAAAAAT					
taATTTTTTATGTCa					
Cbren.WS247	Cbren.WS247_Fam_20_15_17	17	15	0.870588	ATGTCCAGAGGGAA
Cbren.WS247	Cbren.WS247_Fam_21_14_15	15	14	0.916553	GGAAGTCGGAAGtc
Cbren.WS247	Cbren.WS247_Fam_22_169_14	14	174	0.901899	
AAACTATAAACCCACATTCCTGTTTGGCTGGCTGCTGTACTACAGTATATCTTGATTTTTGCATTCCCGGCTGCAACAGAAGAACAAGACGTTTGTGAGGGCTCGGATGGTGTAAaTTGCTTCAaAGACCGTGTGGAATCGTgATAaCcttTGTAGA					
CCGATATCG					
Cbren.WS247	Cbren.WS247_Fam_23_10_14	14	14	0.645474	TCTCTCTCTC
Cbren.WS247	Cbren.WS247_Fam_24_12_14	14	13	0.656805	AAGcgGAAGcGg
Cbren.WS247	Cbren.WS247_Fam_25_12_14	14	13	0.700197	aCAGACAgACAg
Cbren.WS247	Cbren.WS247_Fam_26_28_13	13	32	0.631410	TgTCCGGATGTCCatcTGTgTGTCTGTA
Cbren.WS247	Cbren.WS247_Fam_27_15_13	13	15	0.811966	GCAGCGTtcaAAAatc
Cbren.WS247	Cbren.WS247_Fam_28_19_12	12	24	0.494739	TTTaGGCcGtTcGggCCGA
Cbren.WS247	Cbren.WS247_Fam_29_20_11	11	20	0.729091	aTGGCCTAGAAAtcCAAAtg
Cbren.WS247	Cbren.WS247_Fam_30_16_11	11	18	0.758249	CTCTCAGGCTCTCAGG
Cbren.WS247	Cbren.WS247_Fam_31_10_10	10	10	0.760000	GACcAgcCTA
Cbren.WS247	Cbren.WS247_Fam_32_41_9	9	41	0.904246	AAGTAACCGTTGAAATTTTCTgggAACCCGGAAAAATTTCCa
Cbren.WS247	Cbren.WS247_Fam_33_20_9	9	22	0.650673	AACTTcAGaAncTCCAGA
Cbren.WS247	Cbren.WS247_Fam_34_19_9	9	19	0.822612	ATCGGCCcATttTgcCTAA
Cbren.WS247	Cbren.WS247_Fam_35_17_9	9	18	0.847737	CTCATGTACTaCATTTA
Cbren.WS247	Cbren.WS247_Fam_36_15_9	9	17	0.572985	CCGGaCCgGAcCAGg
Cbren.WS247	Cbren.WS247_Fam_37_16_9	9	16	0.763889	CTGtCTaTCTGtCTaT
Cbren.WS247	Cbren.WS247_Fam_38_169_8	8	169	0.950690	
GTTcCACCACAATATGAAAAGATGTAACACGGTGTtTTaACGCATTGGACACAATCCGAACCCtCATTAAcATCCCATTCTGATGATTCACTTGCAGATGCAAAAATCAAGAGAAATCAGTAGTGAGGCAGCGAGCAGAcGAAATGTCAAATAAAGT					
TtTGATATC					
Cbren.WS247	Cbren.WS247_Fam_39_30_8	8	30	0.888095	ATACATCTGCATGTATTAggGAaGTCgCTA
Cbren.WS247	Cbren.WS247_Fam_40_29_8	8	29	0.857553	aACGCTGCGTTCAGCGTtcaAAAGTTTc
Cbren.WS247	Cbren.WS247_Fam_41_23_8	8	24	0.644841	TACAGTaATCCtAGAnnaAaAAC

Cbren.WS247	Cbren.WS247_Fam_42_184_7	7	200	0.823492	
GGCATCCAACCGGTCCGCACGTGTGCTCTTCcGGTCAAGGATCTCTGACAAGATAGATCCAGTGACcTTCCGAAGCACGTTGCCTGACAGATCGCGGTGGTTGGGCATCCaaAgTGTCTCATTTGCTGTgTGGTGTAGGCgCACctCAGACTATGAGCCTT					
CGACTnaTcCCTCTtgGgtcAGTC					
Cbren.WS247	Cbren.WS247_Fam_43_165_7	7	168	0.858466	
GAGTTTTTGAaattGGGAAGGGTTTGGATGGGAGTACTGTcTaaGAGCTgAtGTngAaATCAAGAACAACCAAGTCACATACGCCAAAAGGAGTGTTCCTACTCGATCCTGCCCTAGCTAACTGGATTATTCTTgGAAAAAGAAGCTCGAAAgA					
AGCTA					
Cbren.WS247	Cbren.WS247_Fam_44_58_7	7	65	0.726252	CAGAAaTaTTnGAAAAAGTGACCAAAAATATTTTGGTCATTTTTtTcCaTAAAAACCT
Cbren.WS247	Cbren.WS247_Fam_45_41_7	7	41	0.947348	AAGTCAGATAGGACTTTTTGTTCAGGAAGGCTTaTTGACCA
Cbren.WS247	Cbren.WS247_Fam_46_27_7	7	27	0.934156	ACACACGCACTGTCGATtTTTAGGGG
Cbren.WS247	Cbren.WS247_Fam_47_18_7	7	18	0.774250	AAATTCcGAAAAtTcTGA
Cbren.WS247	Cbren.WS247_Fam_48_16_7	7	16	0.861111	AAATCTGGCCGAgAgg
Cbren.WS247	Cbren.WS247_Fam_49_189_6	6	190	0.859123	
ACGAAGTTGGTTGcTGGTTTTATTGAAAGGCTCTGTTTTCTAGGaCCGGAGTGTGATCAAAAAAGTAAAATATGGGAAATCCAAACGGTGGATTATCTTCTGATTGACCTGAAAaAcCTCtTGTCaAtTTCCCATTTCTGAATGGaTCCAAATTGaCTGT					
GTAATGCATCATAAATTCCTGACGAAACTG					
Cbren.WS247	Cbren.WS247_Fam_50_45_6	6	46	0.792271	CATCGACCTcCACTTCTGATgCTCCAACcACcACAACCaAGaAAC
Cbren.WS247	Cbren.WS247_Fam_51_33_6	6	33	0.876094	CAGCTGTTCGAcTGGtTTCTCCTCGACTGGAG
Cbren.WS247	Cbren.WS247_Fam_52_24_6	6	24	0.642593	CATCcGGAcAgACAGACAtcngGA
Cbren.WS247	Cbren.WS247_Fam_53_22_6	6	24	0.562500	GaGCCaAAAaTTAGaGaTTTTTT
Cbren.WS247	Cbren.WS247_Fam_54_21_6	6	23	0.617391	TGaTGGCCTAGatTttgAAAA
Cbren.WS247	Cbren.WS247_Fam_55_22_6	6	23	0.712077	AGGCCATTTTTcAaGGtTTTCT
Cbren.WS247	Cbren.WS247_Fam_56_21_6	6	21	0.915344	ATACCATAGGTGGAAGATCCGG
Cbren.WS247	Cbren.WS247_Fam_57_19_6	6	20	0.709444	TAGCAGTTGATCacCCcAa
Cbren.WS247	Cbren.WS247_Fam_58_16_6	6	19	0.607602	cGGAAGCCcGGAAGCC
Cbren.WS247	Cbren.WS247_Fam_59_18_6	6	18	0.871605	GCCTcAgAAAAGATATCG
Cbren.WS247	Cbren.WS247_Fam_60_15_6	6	15	0.718518	aaTAGCAGTTgAGAc
Cbren.WS247	Cbren.WS247_Fam_61_10_6	6	14	0.528571	AAAAAAAtCG
Cbren.WS247	Cbren.WS247_Fam_62_62_5	5	62	0.873118	ACGACTAGAGACcGAAAGTCTagAGCCTGTAGTCTGTAGcAAggnAaCCaAtATgAAGACCT
Cbren.WS247	Cbren.WS247_Fam_63_42_5	5	42	0.876190	TTAGGCTTAGGCTTAGGTGaCaaCaaAaCTTAGGCTtCaaC
Cbren.WS247	Cbren.WS247_Fam_64_24_5	5	32	0.596875	nncGTGGGAaATGCCAGAGGCA
Cbren.WS247	Cbren.WS247_Fam_65_27_5	5	28	0.838095	AaACCAGAntAGTTATAACATaGGGt
Cbren.WS247	Cbren.WS247_Fam_66_20_5	5	24	0.591667	aGCCAAAAATgggTTTTcaG
Cbren.WS247	Cbren.WS247_Fam_67_19_5	5	19	0.845614	GTGTCCTTTCAACAttTan
Cbren.WS247	Cbren.WS247_Fam_68_11_5	5	11	0.903030	TCGAtAAATTa
Cbren.WS247	Cbren.WS247_Fam_69_84_4	4	86	0.886305	
GTTTTGTCTGGTCTTTGGCTaTaGATTGCTTGTcCaTCCcGtTGTCTCCcAGaGAACTACAGCTTATCCAACcCCCGGAGaGGTT					
Cbren.WS247	Cbren.WS247_Fam_70_75_4	4	75	0.925926	
tCCACGATTGCGTTTCCAACGTaGACTTTTTaACTGATTcACcTCAGTTGAgAcTTTGCTGGAAaGGAGCGATCA					
Cbren.WS247	Cbren.WS247_Fam_71_51_4	4	52	0.820513	AAccGACGTAGCTTCCGAAGAAGCAGATcAGTCCTAaAgGGgtaAAGTtAT
Cbren.WS247	Cbren.WS247_Fam_72_30_4	4	32	0.664062	ccTAATACCTTTTTgGGTATcAgcgagtCt
Cbren.WS247	Cbren.WS247_Fam_73_30_4	4	31	0.767921	GTtCTTAGaTcAAATTTAGAgTAgTGA
Cbren.WS247	Cbren.WS247_Fam_74_28_4	4	28	0.849206	gGATGCTGTAGaATATCTgAaTaTCC
Cbren.WS247	Cbren.WS247_Fam_75_27_4	4	27	0.818930	GGACCaccGGAccACCAGGACcACCA
Cbren.WS247	Cbren.WS247_Fam_76_25_4	4	26	0.655983	TgGTCCGGtCcgAtCCgGtCtGgcC
Cbren.WS247	Cbren.WS247_Fam_77_23_4	4	24	0.856481	aAaCCATGACCTTTTTGTTTCTa
Cbren.WS247	Cbren.WS247_Fam_78_21_4	4	23	0.589372	TTAGGCTTAGGtgaccAcAcc
Cbren.WS247	Cbren.WS247_Fam_79_19_4	4	22	0.622475	acCCGGACcTaaAAAAAT
Cbren.WS247	Cbren.WS247_Fam_80_21_4	4	21	0.669312	tGGTGTcTGGCGCcAgAGggt
Cbren.WS247	Cbren.WS247_Fam_81_20_4	4	21	0.701058	GGTCcgaTCCGGcCTgGCcT
Cbren.WS247	Cbren.WS247_Fam_82_20_4	4	20	0.844444	tAGCATAGGGCCaAAATaTa
Cbren.WS247	Cbren.WS247_Fam_83_18_4	4	19	0.769006	TGGCGCTTAGgAtagATT
Cbren.WS247	Cbren.WS247_Fam_84_14_4	4	18	0.708333	TGTAGTTTGTAGTT
Cbren.WS247	Cbren.WS247_Fam_85_14_4	4	17	0.549020	GCTACAGTAacCct
Cbren.WS247	Cbren.WS247_Fam_86_16_4	4	16	0.875000	ACCATGAcCTTTtTtA
Cbren.WS247	Cbren.WS247_Fam_87_11_4	4	11	1.000000	ACTCATGGTGG
Cbren.WS247	Cbren.WS247_Fam_88_10_4	4	10	0.866667	CGATTtGGgC
Cbren.WS247	Cbren.WS247_Fam_89_10_4	4	10	0.777778	GaCaGTTtCA

Cbren.WS247	Cbren.WS247_Fam_90_170_3	3	170	0.937255	
TCTCCAATCTTTTTCGTGAATTTTTTGTaTAcTCACTCacAAGACCATAATTTCTGCTCATACTACCTGTTTTCTCCTaTTTTTTGcTTTTggAGATGTTCCAGTATTTTCATGGGTGAAGTGTGGGAGaGCATTACTAACCATCATTTTCGACATTTT					
CGAATGAaAt					
Cbren.WS247	Cbren.WS247_Fam_91_160_3	3	160	0.955556	
ATGGACaTCGGCTCTATTccTTCTAGGACATTAaAGAGCATAATTTTCCAAGTCgcAATCCAAAATTTTCATGAACCTACGTGCAGTTTCAGcATCGGCCGAAACGAATTTGTCTGTAAcAGaCGTCAAACCAACTGAGAAAATTCAAATATTGAAAAC					
Cbren.WS247	Cbren.WS247_Fam_92_144_3	3	148	0.713964	
tcCatAanTcAAAAatcAAAAatTcTcAaaACCTGGTCATGATTATACTTTTTGAAcCGTTCGAAaTGCTGAaTCAAAGATACCaaTTTcAtaATTTTtagGTTCAAACCTagCcGaAAaACGTngAAAAtTcGaaTTTTaAt					
Cbren.WS247	Cbren.WS247_Fam_93_77_3	3	77	0.763348	
AAGCCAAAAGTAGAAcCTGGAAGAAgCAACCGcgnngggggGGgGGGTGGTCACcTTTCTcGatTTACTCTCGACCG					
Cbren.WS247	Cbren.WS247_Fam_94_69_3	3	70	0.785714	CCTCTACAAAATgcCTGCCGccctGcGCgACAGTTTGTAGAGGcTAAgGCTACAAACTACAAAccTTG
Cbren.WS247	Cbren.WS247_Fam_95_36_3	3	36	0.888889	GACTCGGTcGAGGTGGATTCCGTTGATGTaCTGGTn
Cbren.WS247	Cbren.WS247_Fam_96_32_3	3	32	0.888889	ATAGCAGTTGaTCCaTAGCAGAAgAGCCAAAt
Cbren.WS247	Cbren.WS247_Fam_97_29_3	3	30	0.855556	GACATTGgCCcTGAATTCAAATAGAAAtt
Cbren.WS247	Cbren.WS247_Fam_98_30_3	3	30	0.881481	AAaTCTATGCGCTTTAGAacCACAAACtCA
Cbren.WS247	Cbren.WS247_Fam_99_27_3	3	27	0.934156	AaAGACTACAAAgACTACAAAGACTAC
Cbren.WS247	Cbren.WS247_Fam_100_27_3	3	27	0.868313	AAAATTCtGaAAATTCtGaAAATTCcG
Cbren.WS247	Cbren.WS247_Fam_101_22_3	3	23	0.753623	TGTAGCTACAtGnaGAGgGAAA
Cbren.WS247	Cbren.WS247_Fam_102_23_3	3	23	0.806763	ATTGGgCAACTTaCCTAGcTcaG
Cbren.WS247	Cbren.WS247_Fam_103_22_3	3	22	0.737374	AcCtGTCCTGgAGAGGacACCa
Cbren.WS247	Cbren.WS247_Fam_104_21_3	3	22	0.727273	AGCCTGAagGGCCTcAgTgCC
Cbren.WS247	Cbren.WS247_Fam_105_20_3	3	20	0.600000	GTcTGTctgTctgTgTacCT
Cbren.WS247	Cbren.WS247_Fam_106_20_3	3	20	0.711111	GGCAanTTGCCaGagAAAc
Cbren.WS247	Cbren.WS247_Fam_107_20_3	3	20	0.755556	AAGCcGCTTcTAgAtGnTCT
Cbren.WS247	Cbren.WS247_Fam_108_20_3	3	20	0.733333	AcAAATTTcaGATtTGaggC
Cbren.WS247	Cbren.WS247_Fam_109_16_3	3	16	1.000000	GTAGTGACGTAGGGAC
Cbren.WS247	Cbren.WS247_Fam_110_16_3	3	16	0.777778	TTCTATTTcGacaCAG
Cbren.WS247	Cbren.WS247_Fam_111_15_3	3	15	0.644444	TtcTaaTtCGGCCcGg
Cbren.WS247	Cbren.WS247_Fam_112_14_3	3	14	0.873016	ATCGGAAtTGGTgA
Cbren.WS247	Cbren.WS247_Fam_113_11_3	3	11	0.838384	AAATCGTCTAt
Cbren.WS247	Cbren.WS247_Fam_114_199_2	2	199	0.789782	
CAGAGATCAGTATGGTcaAATCaAACAAcATaAAACaAaGaaATCAAATTAaAATAgaaGAGaGTGAGAcATaCgaATGGATTTCaCTaGAACTTGcaGGcAATTTTAAaAAGAAACTCTATcCATCTGTaTgTCcAAaAGACCcCTGAAACCGTcG					
AATGGACCTCCGAAGaAGCGCAGAcCCCCGAAGGaaAag					
Cbren.WS247	Cbren.WS247_Fam_115_192_2	2	192	0.618056	
TTGTCACTAATAAAATGcTaaGtAgTaAaaTTGTActCAaTTTGTcAGTTGATCaTTTTTcTGTATCTaTcAaGGAAACcGAGATaTaGaaCATCAATcCTTCCgTaTCGCTaTccaggCaGCAAGTGCCTCTGcTgctTTTcTgTtCAGAcGcTc					
aTATCTCaaTcAGGAAaaACGACATCaaAAAG					
Cbren.WS247	Cbren.WS247_Fam_116_174_2	2	174	0.674330	
cTTCGAcTGTgTcTcCgCTCATGCTATATAGACCTGGACATCAAtGaGAGcATTcGtaacCAGCCCCtGtTaaGAACTccgGTTCTcGcCCGTTGGcGGTTTATTTCTCGTTcAGATGaATCacAAAGaagaTaTgCTTcAC					
TGTcTGATcTCgAa					
Cbren.WS247	Cbren.WS247_Fam_117_134_2	2	134	0.900497	
TTTTTGCTTTTTTCTTTTcGCAGAAAATGATTCAAAAGTGTTCcTatgTGTcccAtaGCTCAGTGGTAAAAGcATTGGCAATTaTTTGAACCTAACAGTCGCAAGTTCAAACCcCACCGGTGGCAAATCT					
Cbren.WS247	Cbren.WS247_Fam_118_128_2	2	128	0.787760	
ATAGTCGCGGAGCGCCTGGAGCATTCaTcCGAcTaATAcTcGAACCTCATCCGGcCTCGCGGCTATGACAcTaAGCaTAGgTGGACCATcCAAGaAATAGGATCCAAcAcGaTaaGTgTg					
Cbren.WS247	Cbren.WS247_Fam_119_121_2	2	121	0.867769	
TATAGCCGATTTcAGTTAACTATCCGATCATTTCTCGCTACTcCAAcTTATTcTaaAAAaTGAATCATgGCAGCACaCTaCAGGTTGTATaTaGGAAAATTTACCCGTTaTTTAAGAATTT					
Cbren.WS247	Cbren.WS247_Fam_120_104_2	2	104	0.963141	
tTTGGATGCCCAACCACCGCATCTGTcAGGCAACGTGCTTCGGAAGGTCACTGGATCTATCTGTGTCAGAGATCCTTGAcCGAAAGAGCACAcGTGCGGACCGG					
Cbren.WS247	Cbren.WS247_Fam_121_95_2	2	95	0.663158	
ATTGATCAACTGaCTCCAaTtaCTGAACaAgTCAaacaGGaaGcGAgACATCCaaCaTGTTGAaGAgATaCcaAAcAACTTCAAGCCAaGATaTG					
Cbren.WS247	Cbren.WS247_Fam_122_90_2	2	90	0.888889	
TGCTTCCAGCGTGTGAGCTTgGGGGAAaGtgTAGTCAGTTGGCTCCCGGATTTTACTAAGCCTaTTTCTTAAAGGGTGTATCCcCa					
Cbren.WS247	Cbren.WS247_Fam_123_87_2	2	87	0.931035	
GCCAGAAAAAACAACCTGTGGAGGGGaGgGGaTAGTTGTACTTTTCTaGAGACTTTTTTCGATCGAAATACATCAATCTAGAGTCCGA					
Cbren.WS247	Cbren.WS247_Fam_124_65_2	2	65	0.753846	AGTCGAGCTATaCTcTACCCCGcCTgCaCGCGAAGTGGTaaACCCCCgaGGTTCGAACcCaCa
Cbren.WS247	Cbren.WS247_Fam_125_54_2	2	54	0.901235	TTCaGCTCAGTgTgTGGTCCCTCCGaTGTGTGCTGGGACGGTAGACGTC
Cbren.WS247	Cbren.WS247_Fam_126_45_2	2	45	0.659259	GCATAAGGCgAcGcCTaAAaTTaaGAcGGGACTTTtagGACAcTc
Cbren.WS247	Cbren.WS247_Fam_127_39_2	2	39	1.000000	TCTGTCTCTTAAAGGATCTGACTACTTTAGAATTTTG
Cbren.WS247	Cbren.WS247_Fam_128_36_2	2	36	0.629630	GGAcaacCaGGAcCACCAGACCcCaAGGAGacGaC

Cbren.WS247	Cbren.WS247_Fam_129_32_2	2	32	0.833333	GCACTTgCAGATgTcAAGaTTATCAATAGAGC
Cbren.WS247	Cbren.WS247_Fam_130_32_2	2	32	0.958333	AAAACGaTTTTCCAGGAAAATCATTTTTCTCGG
Cbren.WS247	Cbren.WS247_Fam_131_31_2	2	31	0.811828	aGACTACAAACTACAAAACTGAGaCTaaGA
Cbren.WS247	Cbren.WS247_Fam_132_30_2	2	30	0.622222	GCCaATTTaAGCCgAacgTatTTCaATTcGG
Cbren.WS247	Cbren.WS247_Fam_133_30_2	2	30	0.600000	TTGTTGGaACcGTcGTaGTTTcAacgGTaG
Cbren.WS247	Cbren.WS247_Fam_134_30_2	2	30	0.733333	CCTGCaCCAGCaCCAGCaGCaGaaGAGACa
Cbren.WS247	Cbren.WS247_Fam_135_29_2	2	29	0.862069	AGAGTCACCAGAGTCACCcCaGAGTCaGt
Cbren.WS247	Cbren.WS247_Fam_136_29_2	2	29	0.770115	CGGGCCAATTcGGGCCATTTTaaCCAAc
Cbren.WS247	Cbren.WS247_Fam_137_29_2	2	29	0.724138	TTTCTAGGCCAcCaAATCAAAaAaTTTgaG
Cbren.WS247	Cbren.WS247_Fam_138_28_2	2	28	0.761905	TTGCgCGTAAcTtaCGAAATaTTgGAAT
Cbren.WS247	Cbren.WS247_Fam_139_27_2	2	27	0.802469	CTTCCGGCCCTTcGGGCcTTCcGcGC
Cbren.WS247	Cbren.WS247_Fam_140_26_2	2	26	0.602564	AcCTACAGTAATCCTaAcTgTaGGtg
Cbren.WS247	Cbren.WS247_Fam_141_25_2	2	25	0.633333	CCGGATGTCCAgGaATCcGaATgTc
Cbren.WS247	Cbren.WS247_Fam_142_24_2	2	24	0.618056	GGCAAcTTGCCGaaGGTcTaGaTg
Cbren.WS247	Cbren.WS247_Fam_143_24_2	2	24	1.000000	CTTGGCTTcAGTTTcAGCCTTGGT
Cbren.WS247	Cbren.WS247_Fam_144_24_2	2	24	0.777778	TCCTTCTTGCCCTTggCaTCAGCc
Cbren.WS247	Cbren.WS247_Fam_145_24_2	2	24	0.722222	CATAcATCCTaTTTTCaGTccTGC
Cbren.WS247	Cbren.WS247_Fam_146_24_2	2	24	1.000000	CACCGGACTTACAGCCGTACTTAC
Cbren.WS247	Cbren.WS247_Fam_147_24_2	2	24	0.944444	TACACACTTTTTATTCAaGAGGAC
Cbren.WS247	Cbren.WS247_Fam_148_23_2	2	23	0.652174	AAAATCtgGaaTTTTTCgGTaTG
Cbren.WS247	Cbren.WS247_Fam_149_23_2	2	23	0.884058	AAGCCTAAAAAGGCCCTAGTcTcAC
Cbren.WS247	Cbren.WS247_Fam_150_23_2	2	23	1.000000	GCGTACGATGCTCAACAACGAC
Cbren.WS247	Cbren.WS247_Fam_151_22_2	2	22	0.613636	GTTCtAgGGCaTTTcTAGAGCT
Cbren.WS247	Cbren.WS247_Fam_152_22_2	2	22	0.666667	TTaGCGTcAAAaCtCaCCTATT
Cbren.WS247	Cbren.WS247_Fam_153_21_2	2	21	0.619048	AAtAcTATGAGttaTTCCGA
Cbren.WS247	Cbren.WS247_Fam_154_21_2	2	21	0.650794	GaTaTGAGcCTCAGGCTTaCa
Cbren.WS247	Cbren.WS247_Fam_155_21_2	2	21	0.746032	GTAGATCAAAACaTAgGCTaG
Cbren.WS247	Cbren.WS247_Fam_156_21_2	2	21	0.658730	GGaGcAAAAATaGaaTTTcC
Cbren.WS247	Cbren.WS247_Fam_157_21_2	2	21	0.619048	gAaGCTGaTCTaAGGCTGgCT
Cbren.WS247	Cbren.WS247_Fam_158_21_2	2	21	0.809524	TCAACTGCTATAGcTGTTGca
Cbren.WS247	Cbren.WS247_Fam_159_21_2	2	21	0.873016	GCCCCCACCATCCAaATCa
Cbren.WS247	Cbren.WS247_Fam_160_21_2	2	21	0.873016	AAAAATGAACGGGTcAAAaAA
Cbren.WS247	Cbren.WS247_Fam_161_21_2	2	21	0.619048	TAAAaAGGATAAAaGcGaGa
Cbren.WS247	Cbren.WS247_Fam_162_21_2	2	21	0.619048	GGACTAGaaTTcCaGAacGAT
Cbren.WS247	Cbren.WS247_Fam_163_20_2	2	20	0.633333	GGCCcaAAACGGcCTgTaaC
Cbren.WS247	Cbren.WS247_Fam_164_20_2	2	20	0.800000	TCaACTGCTATTCCtTAGAC
Cbren.WS247	Cbren.WS247_Fam_165_20_2	2	20	0.666667	CCAAaTGaGcCGATTcTGaA
Cbren.WS247	Cbren.WS247_Fam_166_20_2	2	20	0.666667	CTCAacTaCTaTaTTTTTgA
Cbren.WS247	Cbren.WS247_Fam_167_20_2	2	20	0.933333	GCCTGACAGACCTGAGcACA
Cbren.WS247	Cbren.WS247_Fam_168_20_2	2	20	1.000000	GCTCACTGCCGCCCGTTGC
Cbren.WS247	Cbren.WS247_Fam_169_20_2	2	20	1.000000	ATGACCGAGTGTTCGACCGA
Cbren.WS247	Cbren.WS247_Fam_170_20_2	2	20	0.866667	TTCTTGATaAaAcCACAGG
Cbren.WS247	Cbren.WS247_Fam_171_19_2	2	19	0.666667	TGTcAATTTcTcCATCTag
Cbren.WS247	Cbren.WS247_Fam_172_19_2	2	19	0.649123	TTTCaAGcCCAGATaTGaa
Cbren.WS247	Cbren.WS247_Fam_173_18_2	2	18	0.666667	TaGGCTTgaAGGgAGCCT
Cbren.WS247	Cbren.WS247_Fam_174_18_2	2	18	1.000000	ATGCCACACCATCAATGG
Cbren.WS247	Cbren.WS247_Fam_175_18_2	2	18	0.703704	ATACTaCTcCgGcACCAA
Cbren.WS247	Cbren.WS247_Fam_176_18_2	2	18	0.777778	AGGCTAGTCAGGcTaaTC
Cbren.WS247	Cbren.WS247_Fam_177_17_2	2	17	0.921569	ATTGACAAAGTTGGGTa
Cbren.WS247	Cbren.WS247_Fam_178_16_2	2	16	0.635417	TCCGgtTATGaAaAcGa
Cbren.WS247	Cbren.WS247_Fam_179_16_2	2	16	0.750000	CCcCAGGACCCcAGaA
Cbren.WS247	Cbren.WS247_Fam_180_14_2	2	14	0.690476	ctCGCAAcTCGCAA
Cbren.WS247	Cbren.WS247_Fam_181_14_2	2	14	0.809524	TCaATAaTCAATAA
Cbren.WS247	Cbren.WS247_Fam_182_13_2	2	13	0.692308	TaaAAGTTAAAcG
Cbren.WS247	Cbren.WS247_Fam_183_12_2	2	12	0.833333	TgTTTTGACCGAG
Cbren.WS247	Cbren.WS247_Fam_184_12_2	2	12	0.611111	aCATTTTCgCaA
Cbren.WS247	Cbren.WS247_Fam_185_12_2	2	12	0.777778	TAGGTaTAGGTa

Cbren.WS247	Cbren.WS247_Fam_186_11_2	2	11	0.757576	CaTcGCCTAAC
Cbren.WS247	Cbren.WS247_Fam_187_11_2	2	11	0.636364	AAAaAGGCcCa
Cbren.WS247	Cbren.WS247_Fam_188_10_2	2	10	0.733333	CTTcCACGGc
Cbren.WS247	Cbren.WS247_Fam_189_10_2	2	10	0.600000	CCcCGGaAaA
Cbren.WS247	Cbren.WS247_Fam_190_10_2	2	10	1.000000	TTTTTGAAAT
Cbren.WS247	Cbren.WS247_Fam_191_231_1	1	231	0.000000	
ACACACCGTGCTGAAACCTTCAAGATGTTCCACTTTCTCATTCTGTCCACATCTTATCCATCTGAATTCAGCTACGAGAACTGCCAGAGCACGTTGTTCCAGTTGTTGTGGAGGAAACCGAGAAGAAGGATGAGCCATCATTGAAATCCAAGATTACCG					
GACTCTTCAAGAAGTCATCTGCTCATGCTGACTATCCAATCTCTGAACAATACGATGGACCATTGGAATCA					
Cbren.WS247	Cbren.WS247_Fam_192_218_1	1	218	0.000000	
GGACTTGAATCAGGGAAATTATGATTTAGTTTGTAGAAGCTTCTCAATTTTAAACAGAATGATCAGATCAAATGATTCGTATAGACAGTGCATGTAAGACGCTGGTTCGTTGCTCAAAAAGCCCCGCCCCCGTCCGGGAAGAGACAGAATTCACATACA					
ACTGACTAATAAACCGCTCAATACAGACCGCCCATTTAAAATTATAAAAGGATGAAAG					
Cbren.WS247	Cbren.WS247_Fam_193_180_1	1	180	0.000000	
TTTTTCTTAAATGAAGCAATCGCTAAGATAATTCCGGGATATTTCCCCAGTGGCTGTAGTGTCAAAAAACATAATTTGAGCCCTGAGAAATGCCTAGTTAGGGCTGTGCAGCCAGGAATGCAAAAACGAAATCCCAGTAGAAGTGGGATATAGGGT					
AAAATTTTGATGAATCACAA					
Cbren.WS247	Cbren.WS247_Fam_194_176_1	1	176	0.000000	
TATAAACCTGCCCTCATACCTAAAATTTGGCGGATTGGCAATAAGAATTGTATGTTTTACTATCGGCATAATTATTACAACGATTTGACTAAGTTTCAGAAAACCTCAGCAAAGAATTGGAAAATTTTTGGTTTAGGAGGCGACATTTTTGTGCGAAA					
ATTGGACAAATGTGAA					
Cbren.WS247	Cbren.WS247_Fam_195_172_1	1	172	0.000000	
GCTATCTCACAGGTAATAATCAATTTTTATGCATATAAGTTGCCATTCCAACAGCTCGTCTGCCAAGGAATTCCTACAATCCGCCTCAGAATAGTTTCAAGAACCCTCAAAAAGCCAAAAGTGATGGTCACGGAATGGCGATTCCGAGTGTTCATGT					
TAAATAAAAACAG					
Cbren.WS247	Cbren.WS247_Fam_196_171_1	1	171	0.000000	
AGAGCGAGATTTGTGAGAAAATCCGAGAAAATGAGCCTTCGAAAACAGTATACCTGATTTTTGAGAAAATTTGCAAAAACCTGAATTTGTTTCGTTCAATATAGTTTAAATCGGTATTGATCTGTTTCGATAACGCTAACGTTGGCTTCTCCGATCGTGTTC					
GAACTGAATCG					
Cbren.WS247	Cbren.WS247_Fam_197_170_1	1	170	0.000000	
TGAAACTGAACAAATGATTTGATACTAGGAGCAGAACAAAGATCTCAATAACAATACTATTTCAAAAACCTCCAAAATTTAGAAATTTAGACCCTAAAATGACCCAGCTCTGAGCATTCAACATCTTTCAACGCATTGTCCAACAGTGTACTTGGAG					
CTTGAAATGC					
Cbren.WS247	Cbren.WS247_Fam_198_168_1	1	168	0.000000	
GTACTCTCACTTCTTGAAGTCGTCAAAATAACATCCAGAACTGAACAGTTGCTCTAAATGTTTGGTAATCACCTGATTTCTCTCAACAAAGCCGTATCAGAACGGCATCGTGTGGTTTTCCAAGAAAAGTTCTTGAGGTGTATATTTACTGATGATCC					
TCCCTCAA					
Cbren.WS247	Cbren.WS247_Fam_199_163_1	1	163	0.000000	
TAGCATGAGCGGAAGGGACAATCAGAGATTAACGAATACTGAAACACATCTTCTTTGTGATTGATGAAGCTGTTAGCACTCGAACGAAAATAGACCCCCACCGTATATGACCGAAGTCAAAGGAAGTGATACGAATATTCTCTTCTTGTTCGAGTCT					
TTA					
Cbren.WS247	Cbren.WS247_Fam_200_162_1	1	162	0.000000	
TTTCGCTCATGAAAACATAAATGGTCCCGTATCGGCTGGAATTTTCATCTGAATTTATGTTTTGGGGTGGTTGTGCGCTTCTGATAAGCAACTAATATATTTCCGGCTAAAATCTAACATTGTCATTTTCAGAAAAAGTTTTGAACCGTCCATCAAT					
AT					
Cbren.WS247	Cbren.WS247_Fam_201_162_1	1	162	0.000000	
CCATCAATGCCCCGAAAATCGAATCGAAAATTCAAAGTATTTGAACATTTTTCGAATTTTCTGGAAATCTGAAAAAACTGATATGGCTGAAACTTGAATCAATGTCACTAGAACTTATTACACTGATACTTAATACAACATTTTTGAGTGGATACAA					
AG					
Cbren.WS247	Cbren.WS247_Fam_202_160_1	1	160	0.000000	
TCTAACAGCTTCCATGAATCACAATCTCTGTGCTTCACTATTCGGTGTGCATCCTTCGAATGTTCCCTCCGCTCATGCTAAATAGACCTGGATATAAGAGTATTCGTTACTGCCTCATTTGTGATCGGGCACGGGTTAGATGGTTTACTCTTGTCCGGGC					
Cbren.WS247	Cbren.WS247_Fam_203_160_1	1	160	0.000000	
TAGTATGTTCACTTACAATTCGAAGATGCAAAATCGAGGTTCAAAAAGTTTCTCCGTTTTCTTGTGATTTACAAAATGTTGAACCTGATCATGACTAAAAATACGTATAGACTGAAAGATTTTCTCTGAAAGCTCAAAGAAAACGTAGTTTTAGACACATTTA					
Cbren.WS247	Cbren.WS247_Fam_204_151_1	1	151	0.000000	
GTGATGGTCCAGTAGGAGAAAAGTGTCTTCTCTTCAATCGAACTGTTTTTTGATCTACTGAGAAGAGAAACGAAAAGGTTGGACGAGAGGAAGAGTATAAAAATGGAAAGTTTGACCGGAAACAGAAAAAAAATCAATAAAAAGAG					
Cbren.WS247	Cbren.WS247_Fam_205_150_1	1	150	0.000000	
ATCTACAGTAACCCAAAAACCAAAAATCTTTGAAAGCTGCAGAGATTCTCAAAATTTGATACATCTAAAAATCGAGGATTTTCATGTTTCGTTAGTTTTCATATAGATCACAACAAAAATCTAAAAGATAGGACCTAAACGAGCTATCTGTCT					
Cbren.WS247	Cbren.WS247_Fam_206_146_1	1	146	0.000000	
AAAAAATTTCTAATTTTTTGTGCAAGGATAGCAAAATGTGCTGAGGAGCTTAGAACGAAAAAATTTTTTGAAAAATCTGTCTCTGAACCTATTATAAGGCATCTCTATTAGAAAGGCACCCACCGGTTTCAGACCGCCCCC					
Cbren.WS247	Cbren.WS247_Fam_207_144_1	1	144	0.000000	
GGGTCTCGCCACGAAAATCTAAAAACTGTCATCTCAGTCAGTTTTGGTCAGATTTAGATAAAAACAGTACCGTTGGAGTTAGGCTGAAGAGACGCTTCGAATGAGTATAACGATGACTAGGTTTTGACATATTTATATTTTTCT					
Cbren.WS247	Cbren.WS247_Fam_208_143_1	1	143	0.000000	
GGGTTACGGTAGTTTTGTGATTTCTGTGACGGACCCAAAAATTAAAAAATTCAAAACCCGACCTTGTGGGTAGTTTTCTGTGCCGCTTACGTTGCTGATTTCAAAATCTATCAAACTATCGAGATCGAGTGAATTTGATC					
Cbren.WS247	Cbren.WS247_Fam_209_140_1	1	140	0.000000	
TGAGAAGATGTTGGATACGGAACAAACAGTGCATTTTCAGGTCGACAATGCGGAAATCTCTCAAATTTCCATGTTTTCTCTCAGTAGACCATTAACCTGCGCTCAATGTTTTCTCTTGTTCACCTAGAGAACGCAT					
Cbren.WS247	Cbren.WS247_Fam_210_138_1	1	138	0.000000	
GTCAGAAAAGTACCCACAAGACGAGGTTTCAAAATGATCTGTTATAATCACTCATTTTTGTGACTTCAATAATATTTATGGAATTCAAAAAACCATGTCTTGTAGGTTATCATAGAACCGTATCGACGTGCCGT					

Cbren.WS247	Cbren.WS247_Fam_211_138_1	1	138	0.000000	
CTAGGCCACGGCCGCGAAAAGTTAGGCCACCAATCTTCGAAATTGCACAGTTTGGGTGAAAATTGGGCTGGCGACTCGATTTTTGAACAGTTTCGGCCGGTTTGACCTGGGCTTTCAGGAAAAACAACATGGAATT					
Cbren.WS247	Cbren.WS247_Fam_212_131_1	1	131	0.000000	
AGCCACGTGCCGTCAAGTTATCAAGCCTCCCGGAAAGGCTGATACCTTGACAACCAACCCATCTAGTAGCATTCGATGAGTCCGCGACTATCTTGTCTTACCTCAGAACCTTTGGCATAGATACACAGAC					
Cbren.WS247	Cbren.WS247_Fam_213_122_1	1	122	0.000000	
AGTTCGGGGTAGCCAGCAAATCTATAGGAAGATCAACCAGCCACTAGGTACCCGCATCTTGACTGTCCAAAAGGTTGAGAGGGGGGAAAAAGTGTCTAAGTTACTAGAGAAGTGACAGC					
Cbren.WS247	Cbren.WS247_Fam_214_120_1	1	120	0.000000	
GATCCAAGAGTAGAGTAAGAAGCTGGTGAATTGCTCGATACCGTTGTTTCTTGTTCAGTAGTACATGGCTCCGTTGGTAGTCTCTTCTGAAGTTGCCGTACTCGATGAAGAGGCATCAGTT					
Cbren.WS247	Cbren.WS247_Fam_215_120_1	1	120	0.000000	
TGTTTCAGATGAACCTTCAATAGGCTCGAGAAGTGGGGATGACCGTTTCGTAAGTGACTTCATGACCAAACGACTGTTTGAAGTCAGCTCCTGATGTTGCACTTGACCGATCTCTTTCTAGA					
Cbren.WS247	Cbren.WS247_Fam_216_120_1	1	120	0.000000	
CTGACTTTTTCCCTAATTTTAAATAAATTGGTGGTTTCAAAAGTAGATGCTTCTGTGATGGATTGTGAAGTTTCCATCCCTCACTAGAGCCTAAGAGTCTGAAAATCTTCACTCTGAAAAG					
Cbren.WS247	Cbren.WS247_Fam_217_119_1	1	119	0.000000	
TTTACTGGATTTTAGGAATGTCTAGCCGGAATTCAGCTCAATTTTCGATCCAATTTCCAATAATTTCAACCTTTCCCTTCGATCAAACATGCTGGGTCACTAATGTTGTCTCTAGGCAAAA					
Cbren.WS247	Cbren.WS247_Fam_218_117_1	1	117	0.000000	
GTAATTTTTTGGTGTTTTATGTTATTTTATAAAAACGTGCAAGATCATATGAGACAGTTCCGAGTACCAATCAAAAATCTGCGAAATTAAGGAGACTTCGTTCTTTTTGAAACT					
Cbren.WS247	Cbren.WS247_Fam_219_116_1	1	116	0.000000	
TAGCAGAGAAGGACAGACGAAGGCTGTAGAACCCGAACGAAGCGACCATCCACCGTGCATAACCGTAGTTAAATATGAGTGGTCCGAACACTTTCATTATGCTCAGGTCTTTA					
Cbren.WS247	Cbren.WS247_Fam_220_110_1	1	110	0.000000	
TCTCACTAAAAAGTAAGATTATAGGCTACCAAAATATGATTTCTGAACAGAATCACTTCGAGTTCTTTGGTGGTTCATGGGTGGATTAGTCCCAGGACATACCTATAATTT					
Cbren.WS247	Cbren.WS247_Fam_221_109_1	1	109	0.000000	
TGGTGGCCTAGAACTATATCTGGCGGACATCTAAAATCAAGAAAATCAAAATGAGCCTCAACCAAGATTCAGCTCAACTTTGAAACGATTTACGACGTTTTGAAAGTT					
Cbren.WS247	Cbren.WS247_Fam_222_106_1	1	106	0.000000	
TGCTAAATAGACCTGATAGGAGTATTCGTGCTGCTGCCCTGGATTTCCGGTCCATGCGGTAGAGTCTATTCTTTTGGTGGTCTAACAGCTTCCGCTTCTTCTTA					
Cbren.WS247	Cbren.WS247_Fam_223_96_1	1	96	0.000000	
TCGACCTGGCGGTTGAGCTGAGATCTACAACGTACCTCATCCCCCCCCCTTTAGGGCGGTTGTATTCTCTTCTTGGCCATGGGTTGATGCATT					
Cbren.WS247	Cbren.WS247_Fam_224_93_1	1	93	0.000000	
TCAGATGATTCATCTGACGACGAAAAGAACAGCTATTAAAGCCAACGCCGAAGCAACTCCAGTCGCTGCCAAAAAGAGGCCGAATCTTCC					
Cbren.WS247	Cbren.WS247_Fam_225_90_1	1	90	0.000000	
GCCGGTATGACACAATAGCAGAGCTAGATTAAGTAACTAGAAAAGCGTATATATGATTATATAGAAAAAGGTTCCAGACAATCACGAATGAT					
Cbren.WS247	Cbren.WS247_Fam_226_90_1	1	90	0.000000	
GTCTTCCACTGGAACACTACTGGACAGTCGATGCATGAATTCGTGACTGGAACAGTGAATAGTGCTCCATCGATTGGTATGGACTTTGGAAT					
Cbren.WS247	Cbren.WS247_Fam_227_86_1	1	86	0.000000	
AATTTTTCAATCGAGAATACAGCACAAAATGATGAACCTACAACGTATTGGATCAAATATCACAAGCTGGACCATTAGAAGCTCA					
Cbren.WS247	Cbren.WS247_Fam_228_84_1	1	84	0.000000	
CAGTCGAGGTGGACTCAGTCTGAGATGTGGTAGACTCAGGAGTAGTAGACGCTGTTCAGTTGTGCGAGGTTTCCGTAGTCGATT					
Cbren.WS247	Cbren.WS247_Fam_229_83_1	1	83	0.000000	
CGCATTGGTTTTTTTCGAATGACGACAAAATGGATTTGGCTAAAATCTTCGCCACATCCATCGCTATTTCGACAAAATATCGTACC					
Cbren.WS247	Cbren.WS247_Fam_230_81_1	1	81	0.000000	
TCACAAGGCTCTGTCTGTAGTCTCGCAAGGTTCCGTGGTAGTCTCGGACAACGTGGAGTTCAGGCATGGCTCCGTTGATGTT					
Cbren.WS247	Cbren.WS247_Fam_231_81_1	1	81	0.000000	
ACTGGAACCTCAGTTACCGACGAAAACACATTTGTCACCGATGAAAACCTCCATATGGCACAAGATCCACAGCCACTGCTCCA					
Cbren.WS247	Cbren.WS247_Fam_232_74_1	1	74	0.000000	
GCCTCTACAAAAGTCATCGGCAGGCAAAAAGATGACAGGAGTTTGTAGAGGCCAAGACTACAAAATAAAAGCT					
Cbren.WS247	Cbren.WS247_Fam_233_74_1	1	74	0.000000	
CATCTTGACTAGGAAGCCGCTTAGCTGCTAAGACACCATCATATTTAGGGCGTCGCCCTTAATGTTAAGACAT					
Cbren.WS247	Cbren.WS247_Fam_234_74_1	1	74	0.000000	
TAGGCTCCGCCATTTTTTTTTTCAATATTTTCAGTTTTGGGGCTGAAAATCAGTGTCTAAGGGTTGGGGGTAAC					
Cbren.WS247	Cbren.WS247_Fam_235_74_1	1	74	0.000000	
GTACGCAAACACACTTTTACACGAAATTCAGAAAATTTGGTTTTGGTACGAATTTGCTGTTGGATCTAGCGCCGG					
Cbren.WS247	Cbren.WS247_Fam_236_72_1	1	72	0.000000	TTTCAGCCTTGGTCTTGGCTTCGGCTCCTTCTTGGTCTTTTCATCAGCCTCCTTCATGGCCTTGGCTTCAG
Cbren.WS247	Cbren.WS247_Fam_237_69_1	1	69	0.000000	CAGGTTCTGGAGTAGATTGTTGAGTCTTGACATGCTTTCTGTTGAACTCTTCCAACCAATTCGATGAA
Cbren.WS247	Cbren.WS247_Fam_238_69_1	1	69	0.000000	TCAAATACTGTATTTCTCTGGAGGCAAGGATTCGATGACTTCATTCGACCATATCCGAATTTGAATCA
Cbren.WS247	Cbren.WS247_Fam_239_69_1	1	69	0.000000	AGTTGGATACGAAAAGTTCCAAAGATTGTGTCTGTAAGAGTTTCCAGGACCCAAAGTCAAATTTGACCCA
Cbren.WS247	Cbren.WS247_Fam_240_69_1	1	69	0.000000	AAGTTCTCGAATCTGGCATTGTGATCTGCTGACGAAGAAGACATCCACCCTTGCCTTCCGAAAGCAA
Cbren.WS247	Cbren.WS247_Fam_241_68_1	1	68	0.000000	CCCTGCCCCAGATTCTGTCTGGGATTTATCCGGGGATTTACGCTGAAGACGAGAAACAACATTTCCGGTG
Cbren.WS247	Cbren.WS247_Fam_242_63_1	1	63	0.000000	CCATCATCGGTGGATAACCTGGAATGGTGGATTCTGAGCATCTGACGTTGTTGCGGGGGCA

Cbren.WS247	Cbren.WS247_Fam_243_63_1	1	63	0.000000	GACGCAGAGAAACGAAAATGCCTACGGGTCTGCGCTCTCTACTAGTAGTGACAGCTATTGCGA
Cbren.WS247	Cbren.WS247_Fam_244_58_1	1	58	0.000000	CTAGGTCACCAAATCTAGAAAGTTAGGCCGATGGACTAATTTTCCAGGATTTGGATTT
Cbren.WS247	Cbren.WS247_Fam_245_57_1	1	57	0.000000	TAGACTCTGTTCGATTGAGTACTGAAGGTTGAATCAGAGATTGTAGTATCAGTGAATG
Cbren.WS247	Cbren.WS247_Fam_246_56_1	1	56	0.000000	GGGAATTCAAAATTTTCGAAAACCTTTTGGTGGAAATTTAAAACCTTCGAAAACCTTTTGGC
Cbren.WS247	Cbren.WS247_Fam_247_55_1	1	55	0.000000	TCTGCGCTCTCCCTACTTACC GGAGAGAGCGCAGACAGCTAGACGCTCTGGCCG
Cbren.WS247	Cbren.WS247_Fam_248_55_1	1	55	0.000000	GATAATGAAACAAACATGCCTTTGATTATACTCATTCAAACCGTTATGATCAGGA
Cbren.WS247	Cbren.WS247_Fam_249_54_1	1	54	0.000000	TTTGGTGGTGATCCATCCAGATCGATAACCTCTCTTGGGTTGAGCTGGAGCAAG
Cbren.WS247	Cbren.WS247_Fam_250_51_1	1	51	0.000000	AAGAAGATCGGGTGGCTGACAAGGTCATCGGTTTCGCTAGACTGGACTGGTG
Cbren.WS247	Cbren.WS247_Fam_251_49_1	1	49	0.000000	AAACTAGGCAATCAAACCTAGTTTTTGTGGTTTCTAGGCCATCGGTTGGAA
Cbren.WS247	Cbren.WS247_Fam_252_48_1	1	48	0.000000	ACACTCCTCGCCATCTCCAGCGAAGAACGAGTCCGACTGCTGGACGCG
Cbren.WS247	Cbren.WS247_Fam_253_48_1	1	48	0.000000	ATGGCTCGGGATGGAAGGAGGAGGACGACAACAACGACTGGATCATGG
Cbren.WS247	Cbren.WS247_Fam_254_48_1	1	48	0.000000	TCCTTTTGGCCTTGGCCTCAGTATCAGCCTTGGTCTTTGCTTCAGCG
Cbren.WS247	Cbren.WS247_Fam_255_47_1	1	47	0.000000	GTTTCTCTGCGCTCTAACTCCATGACGCAGAGAAGTCAGACACTCTC
Cbren.WS247	Cbren.WS247_Fam_256_45_1	1	45	0.000000	GGACCACCAGGACCTCAAGGAGGACGTGGACAAGGCCAGACTTC
Cbren.WS247	Cbren.WS247_Fam_257_45_1	1	45	0.000000	CCTGACCAGAACAGGCCAGGCAGGGCTGGTCCAGGCTAGTCCAGG
Cbren.WS247	Cbren.WS247_Fam_258_43_1	1	43	0.000000	TTTGGTTTTTAGGCCTAAACTTTTCAATTTTGGGACTAAACT
Cbren.WS247	Cbren.WS247_Fam_259_41_1	1	41	0.000000	CTGACGATTGCTCAGTATTGCACCTAAAAACACTCGTTTTTT
Cbren.WS247	Cbren.WS247_Fam_260_40_1	1	40	0.000000	TTTCCGTTTTCCGTTTCCGGCGGAAATATTTTCTGGAAAT
Cbren.WS247	Cbren.WS247_Fam_261_40_1	1	40	0.000000	GTAGTGACGTAGGGACGTAGGCACGTAGGCTCGTAGGCAT
Cbren.WS247	Cbren.WS247_Fam_262_40_1	1	40	0.000000	TGGCGGGGGCTTAGACTGCAACTCCGCTCCTTTTCGAATG
Cbren.WS247	Cbren.WS247_Fam_263_40_1	1	40	0.000000	GGATGTCCGGATGTCCAGGAATCTGTCTGTCTGTACTCCA
Cbren.WS247	Cbren.WS247_Fam_264_39_1	1	39	0.000000	GATGTTTCAGTGACGGCTGCGGTGGTGGTCTCTTCTCCT
Cbren.WS247	Cbren.WS247_Fam_265_39_1	1	39	0.000000	GATGTGCAGGTTCCATCACTGCAGTAACATATATAGTTA
Cbren.WS247	Cbren.WS247_Fam_266_39_1	1	39	0.000000	TTCCAGAAAGTTCCAGAACCTCCAGGAAAGCTCCAAAAG
Cbren.WS247	Cbren.WS247_Fam_267_39_1	1	39	0.000000	TCCGGATATCCGGATATCAAGATAACAAAAGTCTGTGTG
Cbren.WS247	Cbren.WS247_Fam_268_39_1	1	39	0.000000	CAGGCCATTCGGGCTGCTCCAGGACAATTCAAAATAAA
Cbren.WS247	Cbren.WS247_Fam_269_39_1	1	39	0.000000	GGTTACTAACCTGCAAGATTTTTTCTGATTTTCTAGCA
Cbren.WS247	Cbren.WS247_Fam_270_37_1	1	37	0.000000	GACACCACCTCTGGCGCCGCTCCACCTCAGCGA
Cbren.WS247	Cbren.WS247_Fam_271_36_1	1	36	0.000000	CCGCCCACTCAATCTGAATCGAAGTTTGTAGGCT
Cbren.WS247	Cbren.WS247_Fam_272_36_1	1	36	0.000000	GCGCTCTATTGAGAATATTGGGAAATTCGAGAAAT
Cbren.WS247	Cbren.WS247_Fam_273_36_1	1	36	0.000000	GTCCGGATGTCTATGTCCCTGTTTTTCTGTCTGTAT
Cbren.WS247	Cbren.WS247_Fam_274_36_1	1	36	0.000000	ATTGACAATTTCCAGAAAACCATGCAAAAAGCGCTCT
Cbren.WS247	Cbren.WS247_Fam_275_36_1	1	36	0.000000	CCGAGCCGACTACCACCCTGTCCCGACGACTACTA
Cbren.WS247	Cbren.WS247_Fam_276_36_1	1	36	0.000000	TCCGGATGTCCGGATGTCTGTCTGTGGGTAGGTTTA
Cbren.WS247	Cbren.WS247_Fam_277_35_1	1	35	0.000000	TACTGTAGCTGGCTTCCTGCCTATCCTACCAGGAT
Cbren.WS247	Cbren.WS247_Fam_278_34_1	1	34	0.000000	TTTGTTCCCGGAACGAAAATATAGACTGTCTAAAA
Cbren.WS247	Cbren.WS247_Fam_279_33_1	1	33	0.000000	CTATTTTCTCAAGCGCTACTGGGTGTTCGACTG
Cbren.WS247	Cbren.WS247_Fam_280_32_1	1	32	0.000000	ATGGTTTTTACAAATGAAAAACATAAACTC
Cbren.WS247	Cbren.WS247_Fam_281_32_1	1	32	0.000000	GGCCTAGGATTTTTCTAGGCCACCGGGACCAT
Cbren.WS247	Cbren.WS247_Fam_282_32_1	1	32	0.000000	GAAACCGGACATTTTCGTAACCGAGACATTC
Cbren.WS247	Cbren.WS247_Fam_283_31_1	1	31	0.000000	AGGGTCTAGGGTCCAGGGTAGCCTAGGTCCC
Cbren.WS247	Cbren.WS247_Fam_284_31_1	1	31	0.000000	TTTATTCGAGTGCAAAGTGAGTTCATATATT
Cbren.WS247	Cbren.WS247_Fam_285_30_1	1	30	0.000000	TAAGCCTAAGATTATGAGTAGTTCAAGCG
Cbren.WS247	Cbren.WS247_Fam_286_30_1	1	30	0.000000	GTCGTTGGAACAGTAGTGGTAGCCACAGTT
Cbren.WS247	Cbren.WS247_Fam_287_30_1	1	30	0.000000	CCGCTGATGAAGAAGTTTCTGAGACTGAG
Cbren.WS247	Cbren.WS247_Fam_288_30_1	1	30	0.000000	CCTAAGCCTAAGCCTAAGCTTCAGTCGTGA
Cbren.WS247	Cbren.WS247_Fam_289_30_1	1	30	0.000000	TAAAAAGTGACTCCTCCATGTAAGTGACCA
Cbren.WS247	Cbren.WS247_Fam_290_30_1	1	30	0.000000	TTTGGGAATGATTAGGTGCCGAGGGAAAGT
Cbren.WS247	Cbren.WS247_Fam_291_30_1	1	30	0.000000	AAGTTGCCCAATGCTCGGCAAGCAAAAAGAC
Cbren.WS247	Cbren.WS247_Fam_292_30_1	1	30	0.000000	TAAGCCTAAATCTATACCTAAGCCGGGGTC
Cbren.WS247	Cbren.WS247_Fam_293_29_1	1	29	0.000000	GCCTAAACAGCCTAAATCGGCCCAAAATCG
Cbren.WS247	Cbren.WS247_Fam_294_29_1	1	29	0.000000	GCAGACCAGACGGTAAAAATGGAGCTAA
Cbren.WS247	Cbren.WS247_Fam_295_29_1	1	29	0.000000	TTTGGGTCTGCTTATTTTCCCATACCC
Cbren.WS247	Cbren.WS247_Fam_296_29_1	1	29	0.000000	TCAACTGCTATGAAATCTTCTGCTATATC
Cbren.WS247	Cbren.WS247_Fam_297_29_1	1	29	0.000000	TCTGGAAGTTCTGGAAGGTCCTAGAAGTT
Cbren.WS247	Cbren.WS247_Fam_298_29_1	1	29	0.000000	AAGTGCCGCTTCCAGGCGTCATGATCCAA
Cbren.WS247	Cbren.WS247_Fam_299_28_1	1	28	0.000000	TCAAATTCCTTGCTGGAACTTAAAAAT

Cbren.WS247	Cbren.WS247_Fam_300_28_1	1	28	0.000000	AAAAAGCTGAAATTTTGGAGGAACTGG
Cbren.WS247	Cbren.WS247_Fam_301_28_1	1	28	0.000000	AGAAAAAAGAGAATCAAATTAATAATAG
Cbren.WS247	Cbren.WS247_Fam_302_28_1	1	28	0.000000	AGGTGGCTCCACTCCTCACAGTCCCCA
Cbren.WS247	Cbren.WS247_Fam_303_27_1	1	27	0.000000	ACTGATTTTCGAGAAAAATTTTCGCAAAA
Cbren.WS247	Cbren.WS247_Fam_304_27_1	1	27	0.000000	TCCTGAACCACCTGGAGTTCCTGGACT
Cbren.WS247	Cbren.WS247_Fam_305_27_1	1	27	0.000000	AAGTCCGATCCGGTCTATTTTCGTCCCA
Cbren.WS247	Cbren.WS247_Fam_306_25_1	1	25	0.000000	TTTTCGAAAAATTTTTCGGACCAAAAT
Cbren.WS247	Cbren.WS247_Fam_307_24_1	1	24	0.000000	CCAGAAAAAAGAATTCCTAAG
Cbren.WS247	Cbren.WS247_Fam_308_24_1	1	24	0.000000	TAGGACTAAAAACCCCGGCTGTTT
Cbren.WS247	Cbren.WS247_Fam_309_24_1	1	24	0.000000	ATGGCTCATGGTGGTCAAAGTCTG
Cbren.WS247	Cbren.WS247_Fam_310_24_1	1	24	0.000000	ACATTCCGACAACCTGCATATTTGG
Cbren.WS247	Cbren.WS247_Fam_311_24_1	1	24	0.000000	AACCGATGCTCTAAGATCTCCGGC
Cbren.WS247	Cbren.WS247_Fam_312_24_1	1	24	0.000000	TTACGACCGGAATCCCACCGGAA
Cbren.WS247	Cbren.WS247_Fam_313_24_1	1	24	0.000000	AAATCTGAAAAATCTGGCGTTGCG
Cbren.WS247	Cbren.WS247_Fam_314_24_1	1	24	0.000000	AGTTGGCGGAATTCCTGGTTGTCC
Cbren.WS247	Cbren.WS247_Fam_315_24_1	1	24	0.000000	AGCAATAGCAGTTGATCAGCCTGT
Cbren.WS247	Cbren.WS247_Fam_316_24_1	1	24	0.000000	GATATCTGGACGCTCGAAAATTGA
Cbren.WS247	Cbren.WS247_Fam_317_23_1	1	23	0.000000	GGCAGCTTGCCACTTTCCTCC
Cbren.WS247	Cbren.WS247_Fam_318_22_1	1	22	0.000000	TTTTCAGGCTGTTGTCTGCGTT
Cbren.WS247	Cbren.WS247_Fam_319_22_1	1	22	0.000000	ATGGAATTTTGAACACAAAT
Cbren.WS247	Cbren.WS247_Fam_320_22_1	1	22	0.000000	CCGCCACTTTTGGGTTTAGCT
Cbren.WS247	Cbren.WS247_Fam_321_22_1	1	22	0.000000	GATTTCCGGACAGTTTCCTGGG
Cbren.WS247	Cbren.WS247_Fam_322_22_1	1	22	0.000000	TTGGAGCTGCCTAGGCTACAAA
Cbren.WS247	Cbren.WS247_Fam_323_22_1	1	22	0.000000	TCCCCGGCGAATCGAAATCAG
Cbren.WS247	Cbren.WS247_Fam_324_22_1	1	22	0.000000	TTTTTCATGGATTTTTTCCGAAC
Cbren.WS247	Cbren.WS247_Fam_325_22_1	1	22	0.000000	GAGCCCAAATCAAGCTTTTTT
Cbren.WS247	Cbren.WS247_Fam_326_22_1	1	22	0.000000	ACCCGGGTAGGGACAGTTCGAG
Cbren.WS247	Cbren.WS247_Fam_327_21_1	1	21	0.000000	TTCCAGTAGAAGAGGCAGTGC
Cbren.WS247	Cbren.WS247_Fam_328_21_1	1	21	0.000000	TGAGGTTAAGGAGCCTAAGCT
Cbren.WS247	Cbren.WS247_Fam_329_21_1	1	21	0.000000	GCAGGTTGCCGAAAAGAGGA
Cbren.WS247	Cbren.WS247_Fam_330_21_1	1	21	0.000000	TACAGTAATCCTAGAGGGTCA
Cbren.WS247	Cbren.WS247_Fam_331_21_1	1	21	0.000000	TTAGGCTTAGTAACATAAGAT
Cbren.WS247	Cbren.WS247_Fam_332_21_1	1	21	0.000000	GAGCAACCGGCTCCTGCACCT
Cbren.WS247	Cbren.WS247_Fam_333_21_1	1	21	0.000000	TCTACAGTAATCTCCATTTTT
Cbren.WS247	Cbren.WS247_Fam_334_21_1	1	21	0.000000	CAGGAAGAAGGAACCAAGAG
Cbren.WS247	Cbren.WS247_Fam_335_21_1	1	21	0.000000	CAAATTTTTTTCGGGATTTTT
Cbren.WS247	Cbren.WS247_Fam_336_21_1	1	21	0.000000	AGACAACAGACACCTATTAT
Cbren.WS247	Cbren.WS247_Fam_337_20_1	1	20	0.000000	CATTGCACCTCCATTTTGAC
Cbren.WS247	Cbren.WS247_Fam_338_20_1	1	20	0.000000	CAAGAGTTTCTATGAAGATG
Cbren.WS247	Cbren.WS247_Fam_339_20_1	1	20	0.000000	TGGTCTAGAATCCCAAAAAG
Cbren.WS247	Cbren.WS247_Fam_340_20_1	1	20	0.000000	TTCTAGGCGATTCCCTGGAA
Cbren.WS247	Cbren.WS247_Fam_341_20_1	1	20	0.000000	CTGAAAATGTCTTAATTACG
Cbren.WS247	Cbren.WS247_Fam_342_20_1	1	20	0.000000	GCTGCTAGAACAGTCTGGC
Cbren.WS247	Cbren.WS247_Fam_343_20_1	1	20	0.000000	TGTAGAGGTTAAGGACTGTC
Cbren.WS247	Cbren.WS247_Fam_344_20_1	1	20	0.000000	GCCTTCAAAGTAGTCCATGC
Cbren.WS247	Cbren.WS247_Fam_345_20_1	1	20	0.000000	TCTCAACTGCTTTAGGCCGC
Cbren.WS247	Cbren.WS247_Fam_346_20_1	1	20	0.000000	AAGCCTTAGCCGACTTCCC
Cbren.WS247	Cbren.WS247_Fam_347_20_1	1	20	0.000000	CTGCTTAGGTAAATAGAGGG
Cbren.WS247	Cbren.WS247_Fam_348_20_1	1	20	0.000000	AGGGGGCCCATCTTAAGAGA
Cbren.WS247	Cbren.WS247_Fam_349_20_1	1	20	0.000000	CATAAAATGCTTTTTCAGGT
Cbren.WS247	Cbren.WS247_Fam_350_20_1	1	20	0.000000	TAAGCAGCTTTGAGGGGTCC
Cbren.WS247	Cbren.WS247_Fam_351_20_1	1	20	0.000000	AATTTGAATTTAGAATGGTA
Cbren.WS247	Cbren.WS247_Fam_352_20_1	1	20	0.000000	TACAGTAAGCTCAAAAAGC
Cbren.WS247	Cbren.WS247_Fam_353_20_1	1	20	0.000000	AGCGGCTTAGAAAGGTTAGG
Cbren.WS247	Cbren.WS247_Fam_354_20_1	1	20	0.000000	AGACTAGATCAGGCCAGATT
Cbren.WS247	Cbren.WS247_Fam_355_20_1	1	20	0.000000	GCGGCCTATGCCGAAGCTG
Cbren.WS247	Cbren.WS247_Fam_356_20_1	1	20	0.000000	GGCAAGCTGCTTAAGTGTG

Cbren.WS247	Cbren.WS247_Fam_357_19_1	1	19	0.000000	AATTGAAAAATGCTCCAGCA
Cbren.WS247	Cbren.WS247_Fam_358_19_1	1	19	0.000000	GAAATGCGCCAAGACACAA
Cbren.WS247	Cbren.WS247_Fam_359_19_1	1	19	0.000000	TGACGCGTTTTTCGGTGGGT
Cbren.WS247	Cbren.WS247_Fam_360_19_1	1	19	0.000000	AGAAGCGTTTTTGTGCGTCC
Cbren.WS247	Cbren.WS247_Fam_361_19_1	1	19	0.000000	TCCTTTTTTCCCATCCGTT
Cbren.WS247	Cbren.WS247_Fam_362_19_1	1	19	0.000000	CAAACTAGGTTCTTGCCC
Cbren.WS247	Cbren.WS247_Fam_363_19_1	1	19	0.000000	AAGGGACCGTTCAGTTTG
Cbren.WS247	Cbren.WS247_Fam_364_19_1	1	19	0.000000	AGTGGTCCCATGGGAGTTT
Cbren.WS247	Cbren.WS247_Fam_365_19_1	1	19	0.000000	GCCTAAACCCAAGGGTAAG
Cbren.WS247	Cbren.WS247_Fam_366_19_1	1	19	0.000000	TCAAAGGACCTATAAATTG
Cbren.WS247	Cbren.WS247_Fam_367_18_1	1	18	0.000000	AGCTGAGCCAAAGGTAGT
Cbren.WS247	Cbren.WS247_Fam_368_18_1	1	18	0.000000	TGTGACAAAAAAGAGGAG
Cbren.WS247	Cbren.WS247_Fam_369_18_1	1	18	0.000000	GGCACTGGCGTCTTTAGC
Cbren.WS247	Cbren.WS247_Fam_370_18_1	1	18	0.000000	TCTTTTACTTTTACTGAT
Cbren.WS247	Cbren.WS247_Fam_371_18_1	1	18	0.000000	CCGAGGCGCAGACTACCA
Cbren.WS247	Cbren.WS247_Fam_372_18_1	1	18	0.000000	GGCAAGTTGCCAAACGA
Cbren.WS247	Cbren.WS247_Fam_373_18_1	1	18	0.000000	ATTCGTCTCTCTTTTCTC
Cbren.WS247	Cbren.WS247_Fam_374_18_1	1	18	0.000000	TTTTCGAAAATGCCATT
Cbren.WS247	Cbren.WS247_Fam_375_18_1	1	18	0.000000	CACGAGATGCAGAAGCTC
Cbren.WS247	Cbren.WS247_Fam_376_18_1	1	18	0.000000	CCACGTCCACTGTTTCCA
Cbren.WS247	Cbren.WS247_Fam_377_17_1	1	17	0.000000	AAATTTCAAAACTTTTT
Cbren.WS247	Cbren.WS247_Fam_378_16_1	1	16	0.000000	GACAACCGGATTATCG
Cbren.WS247	Cbren.WS247_Fam_379_16_1	1	16	0.000000	ATCTTTGACTTCCAGT
Cbren.WS247	Cbren.WS247_Fam_380_16_1	1	16	0.000000	ACCCAGGTACTCATAT
Cbren.WS247	Cbren.WS247_Fam_381_16_1	1	16	0.000000	TAGGTTTAGGAGAGTT
Cbren.WS247	Cbren.WS247_Fam_382_16_1	1	16	0.000000	AAACGAAAAACGGAA
Cbren.WS247	Cbren.WS247_Fam_383_16_1	1	16	0.000000	GAAAGTGAGAGAGAGG
Cbren.WS247	Cbren.WS247_Fam_384_16_1	1	16	0.000000	AGTGCAATCGTGCTCA
Cbren.WS247	Cbren.WS247_Fam_385_16_1	1	16	0.000000	GAAATCTGACGTATAT
Cbren.WS247	Cbren.WS247_Fam_386_15_1	1	15	0.000000	TCAGTTGTCGAGGTT
Cbren.WS247	Cbren.WS247_Fam_387_15_1	1	15	0.000000	TCCGGCGGTAGGGT
Cbren.WS247	Cbren.WS247_Fam_388_15_1	1	15	0.000000	CGTCAGGCTGAGGTC
Cbren.WS247	Cbren.WS247_Fam_389_15_1	1	15	0.000000	TCAGGCTTAGGCTTT
Cbren.WS247	Cbren.WS247_Fam_390_15_1	1	15	0.000000	GGAGGCGGAGGATGT
Cbren.WS247	Cbren.WS247_Fam_391_15_1	1	15	0.000000	AGCTGCAGCACGAGC
Cbren.WS247	Cbren.WS247_Fam_392_15_1	1	15	0.000000	CTACTACAACACTACGC
Cbren.WS247	Cbren.WS247_Fam_393_15_1	1	15	0.000000	CGAAAAATTTTTTTTT
Cbren.WS247	Cbren.WS247_Fam_394_14_1	1	14	0.000000	GGAGGTTTTTCCCG
Cbren.WS247	Cbren.WS247_Fam_395_14_1	1	14	0.000000	CTGCCTAGCCCTAA
Cbren.WS247	Cbren.WS247_Fam_396_14_1	1	14	0.000000	ATTCTACATTTATA
Cbren.WS247	Cbren.WS247_Fam_397_12_1	1	12	0.000000	TGACCTTGACCT
Cbren.WS247	Cbren.WS247_Fam_398_12_1	1	12	0.000000	CTGTACCTGGGC
Cbren.WS247	Cbren.WS247_Fam_399_12_1	1	12	0.000000	CCTTGCCGTCTC
Cbren.WS247	Cbren.WS247_Fam_400_12_1	1	12	0.000000	GCTCCGGCTCCG
Cbren.WS247	Cbren.WS247_Fam_401_11_1	1	11	0.000000	CCTCTACTAAC
Cbren.WS247	Cbren.WS247_Fam_402_11_1	1	11	0.000000	AGCCTTCAAAT
Cbren.WS247	Cbren.WS247_Fam_403_10_1	1	10	0.000000	ACAAAACGCA

C. remanei

Genome	Family name	Number of sequences	Alignment length	Score	Consensus without gaps
Crema.WS247	Crema.WS247_Fam_1_14_208	208	14	0.817522	TTCCGacTTCCGaC
Crema.WS247	Crema.WS247_Fam_2_184_98	98	187	0.896850	
TTCACAAAAGTCTAtATGAGAAAnTTCCAAaACTGTGCTTtCAAcGTGTATTGTCTCTAACTTTTTTCTGGATGAGATATCTGAAAACAGTAAAgTGaTTCGAattGGCAaTGGATtgTCTACTaCTGTGCCAATTTTCAGCCAATAacGTTCAAACGTAAACAGGCCGACACGCCTTGAAGT					
Crema.WS247	Crema.WS247_Fam_3_180_79	79	186	0.866553	
TTTTGAGATTTGGTCCAAGTGGaCTTTTCTGCCAAAtACATTTTTtATCAGAACTCAGTCAGTTTTGgACGGATCncagAGATtTTTATACCATTTCGAAAGCtCTCGTTTTTCTCTAtAAAAATGATcTAATTTaAAAAATTTTGTTCAAAAATAAAGTTGTAGTGACATTTCCGTCaAT					
Crema.WS247	Crema.WS247_Fam_4_14_69	69	14	0.873300	GAAgAAGGAAGAAG
Crema.WS247	Crema.WS247_Fam_5_54_47	47	70	0.607405	aTtATAATTTTtATGATTTCTAgAtttAAAAAGTCCTGTTTTTAGGAaTTTcA
Crema.WS247	Crema.WS247_Fam_6_46_33	33	46	0.876098	TCAGAAAATGTCCGACAGACATTTTCGAgTACTTCnnAAAnATGTAT
Crema.WS247	Crema.WS247_Fam_7_12_32	32	14	0.605415	TTtTCGAaAgAT
Crema.WS247	Crema.WS247_Fam_8_192_31	31	196	0.874109	
TTCAGCTTCATTTTTTCCAAATTCAAAATACTCATTTTCATTTCAGATccTACTAnAAAAAGaAAACCACCAATCGAAAGAACTCGtTGATTTACATCAAGTTCTATGGTTaATCTnTTTTCTCATCTCTTtATtCATTTTTATGATCAAAAACTGTCGGGAGAAATcaATTTGACATTTTCGCCACTT					
Crema.WS247	Crema.WS247_Fam_9_20_29	29	20	0.774713	TTAGACGTCCcAAAAcAn
Crema.WS247	Crema.WS247_Fam_10_27_28	28	31	0.609234	gGAGTCGGAAGTAAAATTCctaAtCc
Crema.WS247	Crema.WS247_Fam_11_20_27	27	21	0.748971	CAAGTATCCAAAAnTtAnac
Crema.WS247	Crema.WS247_Fam_12_130_26	26	131	0.949485	
CACACTCGAGTTGGGTgCTTTGTCAAATAAAGTTaATTTTTAGgATTATATCATTATAAATAGGTAATTATTAActTTGTTTTAgatGATAGGTAAGCCAACGGCAGTGTGGGCTCCTTTTGGAGTTGC					
Crema.WS247	Crema.WS247_Fam_13_14_26	26	17	0.680995	TCCGGaTTCCGGAT
Crema.WS247	Crema.WS247_Fam_14_119_19	19	121	0.802394	
aTCCACGTCATAAAAAAGtTatGaGCcTTTTCTAAAAtGTGACGACGTGAAGATTTTTGATATCaTcGGATTCaGaAAAAaTAGAGGATTCCAAACGTGTnGTCcGtTtCtGGATTG					
Crema.WS247	Crema.WS247_Fam_15_21_19	19	21	0.834029	CTGAGGCTAACTGaGatTTTG
Crema.WS247	Crema.WS247_Fam_16_27_17	17	27	0.860203	CGCTAgAATCGnCTGGGGTGCCTGCGG
Crema.WS247	Crema.WS247_Fam_17_64_16	16	64	0.873003	AGATGATCGAGAACATATGTATTTTCATTCTCTcTcTcTTCTTTTTCTCTCATCTCATTccG
Crema.WS247	Crema.WS247_Fam_18_10_16	16	10	0.918889	CTTCTAGAAA
Crema.WS247	Crema.WS247_Fam_19_192_15	15	193	0.902015	
GTCCGATGAAAACGAAATGAGTTGCGTGTGAATTACTGAATTTTCAGcATTCAATTTGGCGGAAAatTAGaAAATGAAGTCTtGCACAGCGTTTTTCGATTGtGAAACAAGAAAATAAGAAAAGTGGACaTTCTATCCATAGAACTgaCnAACTCAACGAGATCTTTCTAATGGTtATTTTCAGTATTaCT					
Crema.WS247	Crema.WS247_Fam_20_70_15	15	70	0.914376	TGAGGTGAGAGAAAGAAAATgATgAgAAaAAGAGAtaAAAAaAAGGAGTTGTCTCcATCACCTCCTAT
Crema.WS247	Crema.WS247_Fam_21_61_15	15	63	0.822424	CTGACTGCTTCGGTgGCTGAGAAAAGACTCTaAAACcCCgTCCcATAGAgTACTGTGTAC
Crema.WS247	Crema.WS247_Fam_22_12_15	15	17	0.577591	TaAGCCTAAGcC
Crema.WS247	Crema.WS247_Fam_23_71_14	14	76	0.751350	gGnGCTGAGCnAgGGGGGgGcGAGAGCAAGCTcCaGGGtGtCCTgTTTTaAgGTAATCACTACTTCCAG
Crema.WS247	Crema.WS247_Fam_24_92_13	13	100	0.767009	
agTTCTTATCAAAAAGATAAGaaAATaaAaAcATAGGCCAATTgACACGCTGTGCTGGAGaaTTtAgTTtCTCCCTGCAGATATccTTAG					
Crema.WS247	Crema.WS247_Fam_25_43_13	13	43	0.875174	CAGaAGAAaTGAAAACGATCAcTgATcGTTTTTGGAGATTCTg
Crema.WS247	Crema.WS247_Fam_26_14_13	13	14	0.985348	AGGGTCTAGGGTCT
Crema.WS247	Crema.WS247_Fam_27_11_13	13	12	0.799145	TTaCCGGtAAA
Crema.WS247	Crema.WS247_Fam_28_34_11	11	35	0.706493	GAAGTCGGAAGTCGGAAGTaaaATTTnttAtcCG
Crema.WS247	Crema.WS247_Fam_29_180_10	10	189	0.880854	
AGCAGTTTTTCaATGGTACGGAACcCAGgAAAACAGGGCACGAGAGCGTcATCCTTtTGGccATAATAGTATGAaACATGTcAGTTAAAATAgTcTAACCGTGCCTtCAGTcTCTaCAATTGAGGTCATTTGACCTTTTGAATTTCCAGTAAATCTAAGCAATACaGTGAAAAGT					
Crema.WS247	Crema.WS247_Fam_30_133_9	9	136	0.726511	
TGGTAAATCCCGAAGGAcCCaACCCACCgcnTCCGCCAAATaACntATCTTgACTgaACGTCcctAAcaAActAnnTACTgAgAATcaAtncaaAAAGTGAAcagcctTcGAcAAGcATcCAAcTcAGCTA					
Crema.WS247	Crema.WS247_Fam_31_66_9	9	66	0.971942	ATTTTCAGATtTCCTCTTTCTTTCTTTTTTCTGATCTTCTGATATCCTCGAAAAGTGCCTGCGAC
Crema.WS247	Crema.WS247_Fam_32_59_9	9	62	0.710872	cTTCtAGAAaCTtCtAGAnAAAcTTTTGAanTTcggCGGAATTCAAATATTCTaGAAC
Crema.WS247	Crema.WS247_Fam_33_15_9	9	17	0.711329	ATTTcGAAACCGGAC
Crema.WS247	Crema.WS247_Fam_34_16_9	9	16	0.914352	ATCGGGTGCCAAAAn
Crema.WS247	Crema.WS247_Fam_35_10_9	9	10	0.837037	tTAATTTTTtA
Crema.WS247	Crema.WS247_Fam_36_161_8	8	168	0.882370	
AGCGTGTTTTgTtTAGTATTTGTGCAAGTTTCAAGTCATTTGACCCAGGAATCTCTCTGATCGCAGTGATTCAGACTAATTGGTAGAgGCCAAAACGGGCATTTCCATAAcTTTTTTTTCTAGAAGAGCTATCGACAAACGCTAACTtGCATaAGAAC					

Crema.WS247	Crema.WS247_Fam_37_132_8	8	138	0.681073	
tagtAGTTGTTgAgTTTGTgTcGgGATCGGTGAATCATcaAgTAGCGTTGGctnngcgttctTcgnancgCGCCAATAcTCAATTTGgTTCaTtCGAAAACGgTACaAATTTAGAGTTGGGTCACtATaAGT					
Crema.WS247	Crema.WS247_Fam_38_21_8	8	22	0.658820	TTCAACAAGTTGTgTtTnT
Crema.WS247	Crema.WS247_Fam_39_20_8	8	22	0.584957	TTTCTAGGCCatCantGagn
Crema.WS247	Crema.WS247_Fam_40_20_8	8	21	0.740646	TTGGTCTGCTAGCTCtAnA
Crema.WS247	Crema.WS247_Fam_41_95_7	7	95	0.894403	
ATTTCAATTTTcTGATCAAAAACtGtctGCGAGAAAcGAATTTcAcGTTTTCGCCACTTTTTgAGCTTCATTTTTgACgAAATTCAAAATAcCTC					
Crema.WS247	Crema.WS247_Fam_42_19_7	7	19	0.839599	GGCCTCCGATTTtTtttATG
Crema.WS247	Crema.WS247_Fam_43_13_7	7	14	0.853741	AAAAAAAaTTTGA
Crema.WS247	Crema.WS247_Fam_44_183_6	6	189	0.751088	
AtAATTTTanTgATTTCTAaccCGGGAGGATTCAAACCCGCGTCTACTGAAGTAaaCcTCAGCCCGGATAGTATAGACTCcttCacCcTCTGatCGaagtGtGTCTAACCGGtaCCGACACAGATAAGAATGGTGGGGGAAGTTAATTTcAtaaaaATAcCCTGTTTTtTaGgaATTTTaAtt					
Crema.WS247	Crema.WS247_Fam_45_181_6	6	181	0.824800	
ATPCTTTTCTGTGTCGGATCCTGTAAGACTCGGTcAGTTACGTGCGAGTAGTCTTACCTAtGGGCTGTGTTTACTCACGGTAGACGCGGGATTGAATCCaCCCGGgATAGAATATTTTAGAAATTCATAAAAAGTATCAAAAAACAGtAtaatTtCGTtctttatgacttccaacacc					
Crema.WS247	Crema.WS247_Fam_46_50_6	6	53	0.787421	TTCATaAAAAATATCCAAAAACAGGaTAATTTCTTTTCgTATATCAGAAT
Crema.WS247	Crema.WS247_Fam_47_27_6	6	35	0.690159	ACTTTTTTAGGCTTTcAGGCCGGCCCGG
Crema.WS247	Crema.WS247_Fam_48_21_6	6	23	0.547343	GATTTACGGaAgcttTGtGtN
Crema.WS247	Crema.WS247_Fam_49_194_5	5	194	0.953265	
TCTCTAAATATCTGTTCGTATTAcAGATACAGAAAAACGGTTTTcACCATTcGAaCGAGCATAtTTcTTACATCAGATTTCTATGGATTTCTAATTTcTcAcCGGTTAGTTTTTATTTaAAACCAAAAAAGTGTCTATTTCCACGCGACATCaTCA					
TTTCCTAgTTTTCCATACCTCGAAATATACAAA					
Crema.WS247	Crema.WS247_Fam_50_191_5	5	192	0.916667	
TTTCTCTATCAATATGACCTAaTTTATAAAATTTCCgTgaAAAAATAAGCCGTAATAAAGGATGGCCGATGACgTAAAAGTTGGTCCATTTCTTgGGTTTGTCAAACGTTTTTTTCAACACATTTtCATTcGTAActGTGTCAGtTTTGGTcgGAGCGCA					
AAGATTTTTATAcCaATCGAAAGagctngTt					
Crema.WS247	Crema.WS247_Fam_51_136_5	5	136	0.873529	
AGTGAATTTAGtCACAGGcACTCaCtGTTAGAGAACAGGATAATTCGAAGAACcgcCCTGAACATCACATTGGAGaAACCGTGTnCaAaATGTAattTatTgactGAcTATCTaATaAtAcCGAACTACaCa					
Crema.WS247	Crema.WS247_Fam_52_103_5	5	106	0.821069	
TCGCGGTcTatCATcATGCCTTcTCCaTAAAATTATaAAAATTaTaaAaaaTacaTTAAgTTTATTAGggACAGGAgTGGAGTAcCaTgAGcGgATTGCAAT					
Crema.WS247	Crema.WS247_Fam_53_62_5	5	66	0.783838	CCaACCCATCaAGTCTTcGctTtCtCtGGCCAAAAaTAcgAGCGAGTTGGGAGTAAATACTC
Crema.WS247	Crema.WS247_Fam_54_45_5	5	45	0.976296	GgCACTCTTTTACAGAGATTTTGGAAAATGGtTTAGAAAATGAGT
Crema.WS247	Crema.WS247_Fam_55_44_5	5	44	0.927273	AAAATGgGTAgTACCCATTTTCnAATCGAAACaGAAATCTgTG
Crema.WS247	Crema.WS247_Fam_56_29_5	5	35	0.733333	TCCGGATTCcGgAAAAATgAAAAttTTcAT
Crema.WS247	Crema.WS247_Fam_57_29_5	5	30	0.724444	tACGAATTTAtAaTcgAAATtTcTcAAAAa
Crema.WS247	Crema.WS247_Fam_58_19_5	5	25	0.572000	TTGGTCTGCTAntGTGaTt
Crema.WS247	Crema.WS247_Fam_59_16_5	5	18	0.683333	tGTCgcAGTTGCGAAn
Crema.WS247	Crema.WS247_Fam_60_14_5	5	14	0.723810	attACAcTGACaaA
Crema.WS247	Crema.WS247_Fam_61_12_5	5	12	0.788889	GctGgAGCTGgA
Crema.WS247	Crema.WS247_Fam_62_222_4	4	223	0.811535	
TTCTgAtTAGAcACTACCTGATGCTGCATCGGtGTcACATGcGTAaccAACCATTCAGaTTTGGGTTTTcTcGAAAAAcAAAcTGcATTgAGAAATGCGtTattggctcGTgAGagcacAACTAcATAATTcTaATTTTAATCCATTTCTCCag					
ATaAATACAGCCAGGCCAAAGCAGCAACTCGATAGATTTACTCAttccaatcagattactc					
Crema.WS247	Crema.WS247_Fam_63_179_4	4	179	0.939168	
CACGTAATAAAATgAATTCGGGTCAGGACGTGTAACGCTTTcTCATGATGATAGGGATgAACAAATACGAACAAAATGGTgTgTGGCGgTTTTGGGTTATCTATAcGAACCTCGAGaTCCAGGGCTCAAAGTTCCGTCcGTTctCAGATTTCCtTCAaa					
AAgtGCATTTGCAAACTGA					
Crema.WS247	Crema.WS247_Fam_64_136_4	4	137	0.783861	
cTCTaagTcTcaGgaAGCagTtCTATTcTctGtGAGTCTGTCTGTGTCTcGTCCaTCCGGATGTCcTaTTTCTTtCGGagACAGTTTCAGACGAaAtgaTgAGAAgGgAaATCcgTcTtTcGTgTGTACCATc					
Crema.WS247	Crema.WS247_Fam_65_73_4	4	74	0.759009	AAAACAAAAAaGtTTTGcCagAGTGGGgATCGAACcCTGGTTGTcAGATtGtACCaaaaaagtCaaaaaaca
Crema.WS247	Crema.WS247_Fam_66_74_4	4	74	0.951952	
AAACTGTCTTGATGgGGGCTGAGGTCAGGTGTGCGGGTTcGGGcCTaTaGGAACAGCTTGcATTATGACCCcTAG					
Crema.WS247	Crema.WS247_Fam_67_65_4	4	65	0.952137	TCATATTTATTTCCaTtTTCACTTaTTCATTTTCTATCTAATCTATGAAAAAGAGTATCCaCTTGT
Crema.WS247	Crema.WS247_Fam_68_41_4	4	42	0.844577	AAAACGGGATAATTTTgAACAAATTTGAATTAAATCTctcA
Crema.WS247	Crema.WS247_Fam_69_34_4	4	34	0.845588	TAAAAACAGaAcATTTTCTATaAaATTGAgTTCc
Crema.WS247	Crema.WS247_Fam_70_33_4	4	33	0.973064	ATATCACTATTGaCTTAATTTACTCGCTAGAAC
Crema.WS247	Crema.WS247_Fam_71_21_4	4	23	0.638889	CGTAAATCgACattaGAAcnT
Crema.WS247	Crema.WS247_Fam_72_23_4	4	23	0.623188	AAAAaTAGtcaAntTTTTGGnTga
Crema.WS247	Crema.WS247_Fam_73_21_4	4	22	0.679293	TTgGtCaTGACCTAaTTaaT
Crema.WS247	Crema.WS247_Fam_74_20_4	4	21	0.566138	tTTgTcAGTGTaancATtt
Crema.WS247	Crema.WS247_Fam_75_11_4	4	11	0.681818	TTTCAGcaAnT

Crema.WS247	Crema.WS247_Fam_76_10_4	4	11	0.659091	AttTCAgcCg
Crema.WS247	Crema.WS247_Fam_77_10_4	4	10	0.666667	AaGAtaCTGa
Crema.WS247	Crema.WS247_Fam_78_174_3	3	174	0.943806	
TGgTATAAAAATCTTCaAGATCCGACAAAAACTGAGAAcGTTATAGAGAAACCGTTTTGGTAGTaaAGTTGGACGATCACTCAAAGTATGGCCATCTCTCATTGGAGCTTCATTTTtAtGAAAATTTTTCATCCAGGtCAtTTTGATAGAGGAGAA					
TaCGGGCTTTCTcGA					
Crema.WS247	Crema.WS247_Fam_79_171_3	3	173	0.822094	
TGTCATTTTCAGgtTTCTTTTTtCAAAaATATcAATTTTACGTgaCtAGAAgTaAAAAACATGTgAaaATTACAgATTTATGTCAAAAAGCAATcTAAAAcAGtCAaAATCgAcCaaATTTcGcNaaACGCGcCAaaGGTGGCCAGtcTcTctGCCTA					
CTgCTGAAAAA					
Crema.WS247	Crema.WS247_Fam_80_159_3	3	163	0.804363	
GCATTCGATCCCCATgTCCACcGGTATAGGGTTcTcTatGtgAGGAGCAGTAGGCTATCTaAGAATATGctGCCGGATGGATTTCGTTTGCcTATTcATTCAGgTTTCTGaatGAATCCTtaTAAATtcTccAgtTTtTaaAaGTCCCATTAaAcCT					
Crema.WS247	Crema.WS247_Fam_81_99_3	3	99	0.955107	
CTGAATCAAGCTCCAcTGAACCATGTGTCACTGAAACAGAAAGACTTCTTCAaCTACTTCTTCAGTCACCGAgTcTAgCATTCTTACAGAATCTGTTT					
Crema.WS247	Crema.WS247_Fam_82_77_3	3	78	0.762108	
GGCTAGCAGGttTagGAtATTCTGanTtTCTGAaActAGCGAaACCACGTTCCGGgAGGTCCgtGACTgTatGACACA					
Crema.WS247	Crema.WS247_Fam_83_60_3	3	60	0.851852	GGTGGATTCTGACCCgGgATTCAgaTATCCGTcACCTGATGTcGcTTGAttcCTTAGAAg
Crema.WS247	Crema.WS247_Fam_84_40_3	3	40	0.933333	AAACTGAGAcTcATTGACAGATAACCATATGAAAATGtCAG
Crema.WS247	Crema.WS247_Fam_85_35_3	3	35	0.758730	CATAgACGGTaAGTtTATgaaTgAgtAaCAAAAC
Crema.WS247	Crema.WS247_Fam_86_31_3	3	31	0.971326	GTAAGaAAATAGAAATCCATAGAAATCTGAT
Crema.WS247	Crema.WS247_Fam_87_30_3	3	30	0.881481	AGGATCAGTCCAcGAgGaGCCACaGCGCG
Crema.WS247	Crema.WS247_Fam_88_22_3	3	23	0.782609	tCTACAGTATcCCAgAATGaTA
Crema.WS247	Crema.WS247_Fam_89_22_3	3	22	0.616162	GATTTACngCaTnntcTGTGTc
Crema.WS247	Crema.WS247_Fam_90_21_3	3	22	0.666667	ntGTGGCCtAACTTTTntgAT
Crema.WS247	Crema.WS247_Fam_91_19_3	3	21	0.640212	AAAAATcGatGAAAtTTAn
Crema.WS247	Crema.WS247_Fam_92_20_3	3	21	0.645503	AnTcGAAAAtgAcTTTTTg
Crema.WS247	Crema.WS247_Fam_93_21_3	3	21	0.703704	GCTnAAAAtnCnCATTTTTGa
Crema.WS247	Crema.WS247_Fam_94_20_3	3	20	1.000000	GCACTTTTCTGTATTTCTTGT
Crema.WS247	Crema.WS247_Fam_95_18_3	3	19	0.771930	TCAcTTGCTATATTTGtC
Crema.WS247	Crema.WS247_Fam_96_18_3	3	19	0.818713	cGAAAAAAATcCGGAA
Crema.WS247	Crema.WS247_Fam_97_16_3	3	16	0.944444	GGCCTAGAAAaCCGGT
Crema.WS247	Crema.WS247_Fam_98_14_3	3	15	0.651852	ATTnTGAATcCTgA
Crema.WS247	Crema.WS247_Fam_99_15_3	3	15	0.851852	GTAACcTCTGGAGTn
Crema.WS247	Crema.WS247_Fam_100_13_3	3	13	1.000000	ACATTTTCTGAAT
Crema.WS247	Crema.WS247_Fam_101_183_2	2	183	0.948998	
AAATCTAATTTTCGGCCGTAAATTTGGTCTTCTGGTCATTTCTTTCTGCTTCTCTAAACAATACAGCTTTGTaGCTATGCGCAAAATGAAAGaCGTGTtCgTTTCcACTAATACAATTAcTTATCTGATTATAACTGTcATTCTaTGACTCAGACAAT					
CAATGAGACACAAAAACGGCTGA					
Crema.WS247	Crema.WS247_Fam_102_159_2	2	159	0.895178	
AAGATGATCAGTTCTTAGTAACGCCGAGGCACGTTTCGGAACATCCATACGACCCGAAAAGtGAGTATGAAGaTACAAATAcCTACAGaaAACTAAACGATTTATTTcAaaATGAAaAaGaATCAACAAATgTTTTTTGTTGAaTGAAACTCGTTGGG					
Crema.WS247	Crema.WS247_Fam_103_153_2	2	153	0.642702	
TTTaCccAaTTTcgTTGCaTTTcAGTTGTGCGCGcGCaAAATATTCAaATTTTcCGTgcAAcAGCaAaTTTCCaATTTTCTGcCaTTTTCTGTCaACTTTTcCaCAGTaTTTcTTgTTGaaTTTAgAcTaaAaTCCgaaTAgAAAATCaAtaAA					
Crema.WS247	Crema.WS247_Fam_104_88_2	2	88	0.628788	
TcAAAAATCtTaTTAAcTtaATTAGGgAcAGGaaTTGGAGgaaCATGaGacAgGACTGCACCTCGcGTCCTCCaaaCATGCCTcTcTCC					
Crema.WS247	Crema.WS247_Fam_105_75_2	2	75	0.928889	
GAACTGCTTTGaACACTTGACGAAGTTTCTGTGCTGGAACCTTCGAGAGTTGTaGaaGtCACTGGGGTAGATTCA					
Crema.WS247	Crema.WS247_Fam_106_64_2	2	64	0.898438	AAAAATGAAGCTGAAAAGTGGCGAAAATGTCAAAaTGATTTCTCGCGGAcAGTTTTTTGATcAt
Crema.WS247	Crema.WS247_Fam_107_50_2	2	50	0.840000	CTTCGACGGGAgTCAACaGAAGTaTGGGTAGAAGTaCCTACCCCAAGa
Crema.WS247	Crema.WS247_Fam_108_49_2	2	49	0.717687	TGGCCTAAaAACaTCAAAATtGGGAcTTCTAaGCCATCAAcacCCaAGg
Crema.WS247	Crema.WS247_Fam_109_44_2	2	44	0.655303	taCAGTAACCCGgATCCcAAaACccAAAAcTTGGATCaTaGgT
Crema.WS247	Crema.WS247_Fam_110_42_2	2	42	0.603175	CAGCGCTAAAaaccATGaaGTcGaAcTTTgAACGCTGCTaAa
Crema.WS247	Crema.WS247_Fam_111_42_2	2	42	0.682540	CTGTGCTAAAaAGCGcTAAAATccAAaaTAccAaAAaTTTAG
Crema.WS247	Crema.WS247_Fam_112_41_2	2	41	1.000000	TTTTTTGGGGAAAAATTAGACTTTTTTgAGGGAAAAAATGCC
Crema.WS247	Crema.WS247_Fam_113_39_2	2	39	0.850427	TTcCCTTAGTTGGATGATGGaCTCACCcCGAGACCTGt
Crema.WS247	Crema.WS247_Fam_114_39_2	2	39	0.863248	GCTTCAGTGACGGCaaCAGTTGTGGTCTCCTCgCCGGAA
Crema.WS247	Crema.WS247_Fam_115_37_2	2	37	0.711712	ATcCTGGATCCAGtTACAGTaACCCcCaAgATCTaAG
Crema.WS247	Crema.WS247_Fam_116_35_2	2	35	0.619048	ACGCTGCGAGCTCACTAgCaacCTGcTaTcTTTaG
Crema.WS247	Crema.WS247_Fam_117_33_2	2	33	0.883838	AGGTAGTCTaCTATTTTCGGTTTTTcTCATTTt
Crema.WS247	Crema.WS247_Fam_118_32_2	2	32	0.750000	CAGCGCTAAAaCCGgaaTTTAGCGCTGGcTAG
Crema.WS247	Crema.WS247_Fam_119_31_2	2	31	0.806452	AAGAAAGAATGGTgGaGaaAGTCATaAAGAA

Crema.WS247	Crema.WS247_Fam_120_31_2	2	31	0.741935	TGaCGGTTTTTCCAACtccCTGGGaTaCCgT
Crema.WS247	Crema.WS247_Fam_121_31_2	2	31	0.827957	AAAACGGGATAATTTTGAACtAAATcTTAcA
Crema.WS247	Crema.WS247_Fam_122_30_2	2	30	0.666667	AAaAAGGATCAaAAGAAACcGccgaAGAG
Crema.WS247	Crema.WS247_Fam_123_26_2	2	26	0.769231	GGAAaAtTTTGAAtTCCCCGCCAAAAC
Crema.WS247	Crema.WS247_Fam_124_24_2	2	24	0.618056	gTCgGAAAttTtCGAATcTTTTT
Crema.WS247	Crema.WS247_Fam_125_22_2	2	22	0.621212	CTTAGGCTTAgcAaATCTTagg
Crema.WS247	Crema.WS247_Fam_126_22_2	2	22	0.704545	CcAGaTTTAcAGCCTAAAATTa
Crema.WS247	Crema.WS247_Fam_127_22_2	2	22	0.643939	aACTCGAGCGTcAAaTaaTaa
Crema.WS247	Crema.WS247_Fam_128_22_2	2	22	0.878788	GCACTAGTCGTGTGCATTaTcA
Crema.WS247	Crema.WS247_Fam_129_22_2	2	22	0.818182	aAAGCCTaAAAaGTCCGGCCTA
Crema.WS247	Crema.WS247_Fam_130_21_2	2	21	0.603175	AAaACaCaCACcAaTTCCAac
Crema.WS247	Crema.WS247_Fam_131_21_2	2	21	0.714286	AAAaTaGGCTgAAAATTGcTC
Crema.WS247	Crema.WS247_Fam_132_21_2	2	21	0.650794	GAAAAtATCAAAaTTTaGAcT
Crema.WS247	Crema.WS247_Fam_133_21_2	2	21	0.777778	TAAATCTACATcTCAGcCCCG
Crema.WS247	Crema.WS247_Fam_134_21_2	2	21	0.619048	TcaTTTTagGCCaAATTTaAG
Crema.WS247	Crema.WS247_Fam_135_20_2	2	20	0.666667	GaTcaAAAAaCcTCGTTTTg
Crema.WS247	Crema.WS247_Fam_136_19_2	2	19	1.000000	TTCAAAGGACCTCGATATT
Crema.WS247	Crema.WS247_Fam_137_19_2	2	19	0.789474	caATGCACCATATTTGaGC
Crema.WS247	Crema.WS247_Fam_138_18_2	2	18	0.925926	AAAGATTCAAAAATTTTTTC
Crema.WS247	Crema.WS247_Fam_139_18_2	2	18	0.629630	AAaccCaTAAAaAcCTTA
Crema.WS247	Crema.WS247_Fam_140_18_2	2	18	0.851852	CTCATTTACTACCGaTTc
Crema.WS247	Crema.WS247_Fam_141_17_2	2	17	0.607843	AATTCcTaGAcTTTCGG
Crema.WS247	Crema.WS247_Fam_142_17_2	2	17	1.000000	TCAACTACAAAAATGTC
Crema.WS247	Crema.WS247_Fam_143_16_2	2	16	0.625000	tGACAGACaCACAgac
Crema.WS247	Crema.WS247_Fam_144_16_2	2	16	0.666667	AAtCTGActAATATAG
Crema.WS247	Crema.WS247_Fam_145_16_2	2	16	0.666667	AaAGCCTaAaAGCCTa
Crema.WS247	Crema.WS247_Fam_146_14_2	2	14	0.714286	TcTGTAaTcTGTAAG
Crema.WS247	Crema.WS247_Fam_147_14_2	2	14	0.904762	CAGGCGCGGAGaTC
Crema.WS247	Crema.WS247_Fam_148_12_2	2	12	0.694444	cCGGCGCTgGct
Crema.WS247	Crema.WS247_Fam_149_12_2	2	12	0.611111	TaAcAATAaAAA
Crema.WS247	Crema.WS247_Fam_150_12_2	2	12	1.000000	TCCCAGCATAA
Crema.WS247	Crema.WS247_Fam_151_11_2	2	11	0.893939	CTATTTTAGGg
Crema.WS247	Crema.WS247_Fam_152_231_1	1	231	0.000000	
GATAGTCGAGATGAGATGGTGAACAAATCCAGTAATCTTCGATTTCACGATGGCTCGTCTTCTTCTCAGTTTCTCCACCACAACACTGGAACAACATGTTCTGGTAGCTTCTCATAGCTGAACTCGGATGGATAAGCGTTGACTTCGGTTGT					
GAGAGGAATGTCGTGAATGTTGGAAGCAGGATGTCGAATCGAGTGGTCCGTCGTATTGTTCCGGAGATTG					
Crema.WS247	Crema.WS247_Fam_153_171_1	1	171	0.000000	
GTCGTAACCGCATAGGTAACCCAGGAAACCTGGAGAATGCATAAAACGCGGGCTGAGGTTTACTTCAGTAGAAATGAGTTTGAATCTTCTCGGTCTAGAAAACATAAGAAATAAAAGGAATTGGGATACTTTCTATTCTGACTTCTTCCCACCAT					
TCTTACTCAGT					
Crema.WS247	Crema.WS247_Fam_154_170_1	1	170	0.000000	
AATCATCTCGACTAGATCAACGGAAATCGAGGTACGGTGTCAAAACCTCACAATCACCTGAGATTGAGATAAATGCGGCAAAGTCTGCACGTCGATTCAACCAATCAATTCGATGTTTCTATCGTATAACAATGGGAAAGAGTCCAACCTGATTAGAGAGG					
AGATTGGGAC					
Crema.WS247	Crema.WS247_Fam_155_160_1	1	160	0.000000	
ACGACAAAATGCACAGTAACTCCAGGAAACGTTTCTAGTGTCAAAAACCACTCATAAATCCAAATTTCTGTTAAAATTTTACCTCAGGCTTCTGTTTTTTCGAGATAACTAGTCATTTTGGGTTTCGGTAGCTCCAATACTGTGCATACACCATATCTT					
Crema.WS247	Crema.WS247_Fam_156_157_1	1	157	0.000000	
TGGCCTAGAAAACCAAAATTAAGAAAACCTAGTCCCGGGTCATTTTTGACAGTTTTAGCTAGTTTTTTTGTGGTTTTTCTTGTGAAAATTGCGTTTTTTCATGATTTTTAGCCAATCAACAAGAAAAACAGCCGGGGACTAGTTTTTCGACAG					
Crema.WS247	Crema.WS247_Fam_157_153_1	1	153	0.000000	
GAATACGATCTTAGAGCTTATTAGTCTTATGTTTTGAATTTGAAGAATGGAATTTGAGATTGAAGTACTAGACTTACTGTTGAGATTGAACAAAAATTGGAATTTGAGTTTGGTAACGAGGTTTGGAGTTGATTTTTGATATTT					
Crema.WS247	Crema.WS247_Fam_158_146_1	1	146	0.000000	
GTGGCCGAGTTTTTCACTTGTGGCTAGGAAACCAAAATTTGGGAAAACCTAGTCCCGGAGCTCCGATTTTAAATGAAAATAACGAATTTGAGCTGAAAAGTAAATGGGAAATTCGAAAAATCGCGGAAATCCGATTAGAAAAGGTG					
Crema.WS247	Crema.WS247_Fam_159_141_1	1	141	0.000000	
CTCCTAAACGCATGAAACAGTAGACTGCAAGGAGCCTCTGATCCGGAGCAGTTCTAGTCACCACGCGTCCGAAAGACCTCTCGTAAGAGGTTCTCCGACTTCGCGAACATGGTTCGATTCCCTCAGTCCGGGCAGAACCAT					
Crema.WS247	Crema.WS247_Fam_160_134_1	1	134	0.000000	
ATTCACAAATTTGAATAAATTCATAAGAAACACCGTTTCTCATAAACTTTTGAATGATAGTTAATTTGACTGAAGGCGGTTGGTTCGCCGCTTCGGCTGGTACCGTAACCTGATGTTGATTGGTTATCATTAGTGA					
Crema.WS247	Crema.WS247_Fam_161_134_1	1	134	0.000000	
GACTAGTTTTTTTTCATAATTGGAATTTCTAGGCCACGTGTCGGAAAACCTCGGCCACGTACCACATTTGGTGGTTTTCTTGTCTTTTTGGCTCAGAAAACGATGAAAATGTCAAAAACCTGACTTTCTGAGATTGGG					
Crema.WS247	Crema.WS247_Fam_162_130_1	1	130	0.000000	
CGTGACTCCTCGTGGAAAAGTCGAAAATTTGAAATTTTGAATTTTGGAGTCGATTTTTTTCGGTTCGACGCTAAAACCTAGTAGTAACCAGTCCGAATTCATGAAAATAATCCATTTTGAATAATTCATGC					

Crema.WS247 Crema.WS247_Fam_163_128_1 1 128 0.000000
ATCAAGCAATTCAAATTTTCAGCAAGAAATCGGAAATAAGATAATTCAAATCGAAAGACAATCAGAAAATACAATAAGTGTTCTCTGGCTAGCATGCTAGCACCCACAACACTATACTGCACCTCATCTC
Crema.WS247 Crema.WS247_Fam_164_127_1 1 127 0.000000
GATCCTCTTACGAGAGGCTACGCACCGGTGTTAATCAGACAACCTCCGGATCAGAGGCTTCGCGCGTGTTCATGCGTATAGGAGTCAGTTCTGCACGCACAGAATATACAAAGAACAGACGGA
Crema.WS247 Crema.WS247_Fam_165_121_1 1 121 0.000000
CTTCTGACACCCGAATCGTTTCACATTTTTCCGACTTTTACGAGTTTTCTTTCCAAAAGCTACTCAATCCCGAAAAATCGATCTGGAAGGAGGATCATGGCGAATTTTCGGTTTTCCAG
Crema.WS247 Crema.WS247_Fam_166_116_1 1 116 0.000000
TAGAGACAATACACCTTGAAAGCACAGTCTTGGAAATTTCTCATTTAGACTTTTGTGAAACATCAACGGCTGTGCGGCTTGTTTAGTTTGAACGTTATTGGCTGAAAATGGCACAG
Crema.WS247 Crema.WS247_Fam_167_114_1 1 114 0.000000
ATCATTTTTGTAGTTGACATCTTTATTTAGTTCTAGAGGGAATAAGATAGGGACGCTTAACCTGCCAATGACTAGAAGATAAAAATGATTCTGAAACATTGGACATGTCTCCTTC
Crema.WS247 Crema.WS247_Fam_168_107_1 1 107 0.000000
TTATAGAGAAACCGTTTTGGTAGTAAAGTTGGACGATCAGTAAAGTGTGGCCATCTCTCATTTGGAGCTTCATTTTCAATGAAAATTTTTTAATCTAGGTCATTT
Crema.WS247 Crema.WS247_Fam_169_103_1 1 103 0.000000
CTCAAACTTCCAGATTTCTACACTTTTTTCATTCAAAAACCCGTTTTTTTTATTCCAATTTCCGCGAAAATCGCTAAAATTCATCCAAAATGGCCATTTTTTC
Crema.WS247 Crema.WS247_Fam_170_102_1 1 102 0.000000
AAAAATCAACTTTTTTGAATCAAAAATGGTCTAAAATCGAGGAGAATCGATTGAAAACGACTTGAATCGCTTAAGGAAGAATTTTTGACTGGAAAAAAGCG
Crema.WS247 Crema.WS247_Fam_171_102_1 1 102 0.000000
CGTATCAAGGAGTACTGGAGAGAGATATGCCGCTACGAGACCGAAGGATACGATTGATCGTCCAACCTGATTCCTTACTCCACCACAATCAATCGGTCAA
Crema.WS247 Crema.WS247_Fam_172_99_1 1 99 0.000000
CCAATCCCGAACCATCCGATTATCGATCGTCGCTTTCCCTTCCATCCCAACCATCCGAATTTCAATCGTGTGTCGTTCTTCTTATTCTCCA
Crema.WS247 Crema.WS247_Fam_173_96_1 1 96 0.000000
ACTCCAAAAGTAGCTCCTAAGAAGAAGGAATCATCGTCCGACGACTCCTCGGACGATGAGAAAAAAGCGTTTCGAAGCCAACACCAGTCAAGACC
Crema.WS247 Crema.WS247_Fam_174_81_1 1 81 0.000000
GTCCATCTGTGAGTGTCCAGATGTCCAACAAATGCGGATTTTTCCGTTCAAAAACAGCCAAATGAACAATTTTCAA
Crema.WS247 Crema.WS247_Fam_175_81_1 1 81 0.000000
GTTCCAGGAGTCGTTTTCACAGGACTCCACAGTGGTCTCACATGGTTCGGTTGGAGTAACTGGTGACGTAGAATTTCTCGCATT
Crema.WS247 Crema.WS247_Fam_176_73_1 1 73 0.000000
Crema.WS247 Crema.WS247_Fam_177_71_1 1 71 0.000000
Crema.WS247 Crema.WS247_Fam_178_70_1 1 70 0.000000
Crema.WS247 Crema.WS247_Fam_179_66_1 1 66 0.000000
Crema.WS247 Crema.WS247_Fam_180_63_1 1 63 0.000000
Crema.WS247 Crema.WS247_Fam_181_63_1 1 63 0.000000
Crema.WS247 Crema.WS247_Fam_182_63_1 1 63 0.000000
Crema.WS247 Crema.WS247_Fam_183_63_1 1 63 0.000000
Crema.WS247 Crema.WS247_Fam_184_62_1 1 62 0.000000
Crema.WS247 Crema.WS247_Fam_185_60_1 1 60 0.000000
Crema.WS247 Crema.WS247_Fam_186_60_1 1 60 0.000000
Crema.WS247 Crema.WS247_Fam_187_59_1 1 59 0.000000
Crema.WS247 Crema.WS247_Fam_188_58_1 1 58 0.000000
Crema.WS247 Crema.WS247_Fam_189_57_1 1 57 0.000000
Crema.WS247 Crema.WS247_Fam_190_54_1 1 54 0.000000
Crema.WS247 Crema.WS247_Fam_191_54_1 1 54 0.000000
Crema.WS247 Crema.WS247_Fam_192_51_1 1 51 0.000000
Crema.WS247 Crema.WS247_Fam_193_50_1 1 50 0.000000
Crema.WS247 Crema.WS247_Fam_194_50_1 1 50 0.000000
Crema.WS247 Crema.WS247_Fam_195_48_1 1 48 0.000000
Crema.WS247 Crema.WS247_Fam_196_48_1 1 48 0.000000
Crema.WS247 Crema.WS247_Fam_197_48_1 1 48 0.000000
Crema.WS247 Crema.WS247_Fam_198_48_1 1 48 0.000000
Crema.WS247 Crema.WS247_Fam_199_47_1 1 47 0.000000
Crema.WS247 Crema.WS247_Fam_200_47_1 1 47 0.000000
Crema.WS247 Crema.WS247_Fam_201_46_1 1 46 0.000000
Crema.WS247 Crema.WS247_Fam_202_46_1 1 46 0.000000
Crema.WS247 Crema.WS247_Fam_203_43_1 1 43 0.000000
Crema.WS247 Crema.WS247_Fam_204_42_1 1 42 0.000000
Crema.WS247 Crema.WS247_Fam_205_42_1 1 42 0.000000
Crema.WS247 Crema.WS247_Fam_206_42_1 1 42 0.000000
AAGATATATCCCGTCCAGCTATCCTCCGTTTGTGCTACTAAAATGCTGTGCTGGCTTCGGTTTGTCTAGTATA
TTCTTAGGCCACAAAACCTGTTATTTTCAGCCAAAATAACCTGATTTTCGGCTAGTGGCTAACTTTGGG
TGAATGAGTAATAGAACCCATAGACGGTAAAGCATGACTGTCTAACAAAACCCATATACGGTAAATAA
GAGTACTGTAGGTGGAGTCGGAGACAGAACACTGAGGATCCTGATGTTGTTGAATCTGCTGATA
TCGGATGGGTTTGGTCTAGATAAAAAGTGTACCCGATTCCTATTCTTACCTCAGGATTCATCT
TTTTTAGGTGAAAAAATGCGATTTTCAGCCATTTTCGAAAGAAAAATCTCACAAAACGTCAA
TTTTTGTTTTGTTTTCTATGGTTCGGAGGGTGTGGATTTCGATCCCCACCCACACAAAACCTT
AATCTGGCGTGTCTTTAACCGGTTTCAGCTATGAAAAGCCGAAATTTCTGTGTTTTCTTCA
TGGCGTGTCTTTGGCGGTTTTAAAGTGAAAAATGGTCTGATTTAGCAAAAATTCAAAAT
AGCTTAGAAAAGTTTTTTCGTTGACAGACTTAACCGGTGCATGTTCACTGCCGAGTAGGC
GGATCCCGAGGAGCTCAGAACTGAGCAAAAATTTGATGATCAATAAGCAACTGGCAATTA
CGTAAATCTACACAAGGATCGGGATACTGTAGCGGTGAATTTGGCTGTGCTGATTTACGCT
AGGCGCGCCAGCTATCTAGCAATCAATTTTCAGAAAAATTCCTTAGAAAACGCGTGAA
TGACCTAGAAAACCTCAACTGGAAAAGTTAGGCCACTGTCAATTCCTTTGGGATTTGG
GGATCCCGAGGAGCTCAGAACTGAGGAGGAGTCCCTAAAGAAGCCAGAGGAGC
ACTACAGAAAATGAACATGTTCAAAATCTGTAGTTTAAAGGAGAAAGCCACGTGG
AGGAGCCCCACTTGACGCGGAGGAAAGGTGGTGAAGGAGGCAACGAGGAGC
ACCGGTTTTTCTCGTAAAAATCACAAAATTTGTGTCTAGGGCGGCTCCG
GACGCGTTTTTATCAGATAAAACTGATTTTTTGAATCTGGCGTACCTTC
TGCTTGCTTCGGCTTTTCGGCCTAGGCTTGTGCAATTTACATCGACC
GGTGGCCTAGAAAATCCAGAAATGCGGAAAACCTAGGCCACGGTCTATTT
GAGGACAAGGACCAGACTTCGGACCGTCCGGTGTATTTACAGACCGTA
TCAGCTTCTTCTGGCTTTGGCTTCAAGATCCTTCTTAGCCTGTGCA
ACGCGACCGCAACCGGTGCGAGTTATGGCCCAAGTTAGCAGCCGCG
TGGTGGCCTTAGGCGCTCTAGTGGGAGAGGAGGGGAGGCACAGGGT
TTTAGGCCAATTTTTCAGCGGGGACTAGTTTCTCGAAAATTTGGGT
TCGAAAATGGTTGATAACAATTCGTTTCAATTTTCACTTACATC
GGTTACTGTACTCAGGATCCGAAAATTTTGGATTTTCCAACAAA
ACTGGCTCCAGTCGCGCTCTTCTCCTTGGCAAGTCGAAGC
GACAAGCTGGAATTCAAATTAACCTCATCCACCAGTTCCAA
CCACGGAATCTACCAGTACATCGACCGAGTCTACCAGTACTT

Crema.WS247	Crema.WS247_Fam_207_42_1	1	42	0.000000	CGGAGAGCGGGATGGGGCCGATTCTGACGATCCTGAGGTTG
Crema.WS247	Crema.WS247_Fam_208_42_1	1	42	0.000000	GACGCGTTTTACATAGAAATAGTGGTTATCTGGGGCACCTTC
Crema.WS247	Crema.WS247_Fam_209_42_1	1	42	0.000000	AAAAATGCTCGAGATCCGTCCTCAAAACTGACTGAGTTCTGATG
Crema.WS247	Crema.WS247_Fam_210_42_1	1	42	0.000000	CGCGTTTTGATGACTTTTGAGAAATGATCTGGCGTCTGTGG
Crema.WS247	Crema.WS247_Fam_211_42_1	1	42	0.000000	GGAATAAAATCGCGAGATCGGAACCCAGAGTACTGAAAAAG
Crema.WS247	Crema.WS247_Fam_212_41_1	1	41	0.000000	TCCGAGAATCGGATATCCGACTTTTTCTCCGAAAAGAAAAG
Crema.WS247	Crema.WS247_Fam_213_41_1	1	41	0.000000	AAAAACGCGTCACAGGTGCCCCGATTACCTTTTTTTGTCA
Crema.WS247	Crema.WS247_Fam_214_40_1	1	40	0.000000	TCCGGATGTCCACGAGTTTTGTCTGTGTGTCTGTCTGTTTTG
Crema.WS247	Crema.WS247_Fam_215_40_1	1	40	0.000000	CCCCCCGAAAAAAAATTTTCGGGAACAAAGCGGAGACA
Crema.WS247	Crema.WS247_Fam_216_40_1	1	40	0.000000	TTTAGCGCTGACTAGCAGCGCTAAAAACGAAAATGGACT
Crema.WS247	Crema.WS247_Fam_217_40_1	1	40	0.000000	ACACGCCAGATTTCCGGTTTTTCAGAAAAACGCGCCAAAA
Crema.WS247	Crema.WS247_Fam_218_40_1	1	40	0.000000	TTTGATATTTTGAGTTTGGTAACGAGTTTGAGAGTTGAT
Crema.WS247	Crema.WS247_Fam_219_40_1	1	40	0.000000	ATTTTTGGCTCAAAATCAGAACTTCTAGCTCACAAACAAG
Crema.WS247	Crema.WS247_Fam_220_40_1	1	40	0.000000	ATTTTGGTCTGAAAATGGATTTTGGACCTAAAAATCACCC
Crema.WS247	Crema.WS247_Fam_221_39_1	1	39	0.000000	ACATTACTTCAATCATATTTGATCCTTTGCCCTTAGTT
Crema.WS247	Crema.WS247_Fam_222_39_1	1	39	0.000000	AGACTACTGTAGGTTACGGCAATTGCTACAGTAACCCGG
Crema.WS247	Crema.WS247_Fam_223_38_1	1	38	0.000000	AAACCTGGAGCTTGCTTTAGCCCCGCCATAGGCTTC
Crema.WS247	Crema.WS247_Fam_224_38_1	1	38	0.000000	ACCTTTGACGCGCTTCTACTTTTTGACGATCTGGCGC
Crema.WS247	Crema.WS247_Fam_225_37_1	1	37	0.000000	TTAGGCTCCGCCTTCTGAAAAAGAGGGTGGGGCTAA
Crema.WS247	Crema.WS247_Fam_226_36_1	1	36	0.000000	GGGTACTGTAGCCTCAGGATCCTAATTTTTGGATG
Crema.WS247	Crema.WS247_Fam_227_36_1	1	36	0.000000	ACCAAGGAGCCGAGACTCCAAAAGTGAAGCGCGAC
Crema.WS247	Crema.WS247_Fam_228_36_1	1	36	0.000000	GCTACAGTACCACATATCCTATGTATTCGGCTCCT
Crema.WS247	Crema.WS247_Fam_229_36_1	1	36	0.000000	TTCCGTCATTTTTGAGATTTGGTCCAAGTGGTCT
Crema.WS247	Crema.WS247_Fam_230_35_1	1	35	0.000000	TCTGATTTGACGTTACGATATTGAGAAGAGAAAATT
Crema.WS247	Crema.WS247_Fam_231_34_1	1	34	0.000000	GAGATGAAAATGAAAATGGTTGTCAATCATTTTC
Crema.WS247	Crema.WS247_Fam_232_34_1	1	34	0.000000	GAAATTTTTGTAGCCGGTAAATCATGCTGAGTGA
Crema.WS247	Crema.WS247_Fam_233_33_1	1	33	0.000000	GGGGCGGAGCTTCACTACTACTATAAGCCTAAG
Crema.WS247	Crema.WS247_Fam_234_33_1	1	33	0.000000	CAGTAGAGCGCAATTGCACAATTCGAAAATTAG
Crema.WS247	Crema.WS247_Fam_235_33_1	1	33	0.000000	CAAGGAGGATCCGGAGGATACGCTGGAGCTGGA
Crema.WS247	Crema.WS247_Fam_236_33_1	1	33	0.000000	GAGTCCCTCAGTTTGAGACAATGTGCTCCAG
Crema.WS247	Crema.WS247_Fam_237_33_1	1	33	0.000000	AGCAGCTTGTTCGGCTGGAATCTCTTGAACCTGG
Crema.WS247	Crema.WS247_Fam_238_32_1	1	32	0.000000	TCTGCTGTCTGTGTGTCTGTCTCATTCCCGATG
Crema.WS247	Crema.WS247_Fam_239_31_1	1	31	0.000000	GGACCCAACTCGAGTGTGGCAACTCCAAAA
Crema.WS247	Crema.WS247_Fam_240_31_1	1	31	0.000000	GGGCGGAGTTTGTGCCAAAATACGGAAAAAT
Crema.WS247	Crema.WS247_Fam_241_31_1	1	31	0.000000	TGTCATTTCTGACTGAAATTAGCTCAGAATT
Crema.WS247	Crema.WS247_Fam_242_31_1	1	31	0.000000	TACGCTGCGAGTTTGCAAGCATTTTGAAAAA
Crema.WS247	Crema.WS247_Fam_243_31_1	1	31	0.000000	TTTTTCATCGATTTTTGATGGGAAAAATCGGGG
Crema.WS247	Crema.WS247_Fam_244_31_1	1	31	0.000000	TTTCAGCTTTTTTGACTCAAACCTTCTCGGT
Crema.WS247	Crema.WS247_Fam_245_31_1	1	31	0.000000	AAACTTGAAAAAATACCATTTTTGAGCCCAA
Crema.WS247	Crema.WS247_Fam_246_30_1	1	30	0.000000	ATGAAATATCATGTTTTTGGATATTTTTTA
Crema.WS247	Crema.WS247_Fam_247_30_1	1	30	0.000000	CGAGGAGCTCAGAACTGAGGAGGAGAGCA
Crema.WS247	Crema.WS247_Fam_248_30_1	1	30	0.000000	TATTGGTTAAAAATAGGTTAATAAACAGTAA
Crema.WS247	Crema.WS247_Fam_249_30_1	1	30	0.000000	AGTCTACAGTAACCCAGAACTTGAGGAGG
Crema.WS247	Crema.WS247_Fam_250_30_1	1	30	0.000000	CTCCAGAATCCTCCAGAAGACGTCACGACA
Crema.WS247	Crema.WS247_Fam_251_30_1	1	30	0.000000	CTGGAGCTGGTGTGGAGTCTCTTCGGCTA
Crema.WS247	Crema.WS247_Fam_252_29_1	1	29	0.000000	TCCGCCCACTTTAAGGTTCTTTTTATGA
Crema.WS247	Crema.WS247_Fam_253_29_1	1	29	0.000000	AGCTGCTTAATTACTATCCAATCGTATGG
Crema.WS247	Crema.WS247_Fam_254_29_1	1	29	0.000000	TCCGGTTCGGGATTCGGATGAAATTTTTT
Crema.WS247	Crema.WS247_Fam_255_29_1	1	29	0.000000	TTAAGCAGCTGCACATGGATGAATGCTAA
Crema.WS247	Crema.WS247_Fam_256_29_1	1	29	0.000000	GTTTTCAAAACGTCCTTTTTCTCAAAAAACG
Crema.WS247	Crema.WS247_Fam_257_29_1	1	29	0.000000	GTGGATTTACGGAGCTAAATGTCTTATAT
Crema.WS247	Crema.WS247_Fam_258_27_1	1	27	0.000000	GGAGCCCCAGGACCAGCTGGACCAAAG
Crema.WS247	Crema.WS247_Fam_259_27_1	1	27	0.000000	GTACCAGGAGTACCACCTCCTCCAGTA
Crema.WS247	Crema.WS247_Fam_260_27_1	1	27	0.000000	TGATAGCGATGATAGCGATGATAGCGA
Crema.WS247	Crema.WS247_Fam_261_27_1	1	27	0.000000	TTCTCATTAGAGCGCACGTCGCATCGG
Crema.WS247	Crema.WS247_Fam_262_27_1	1	27	0.000000	TACAGTAACCCAGTCAAGATTTAGAAC
Crema.WS247	Crema.WS247_Fam_263_27_1	1	27	0.000000	TGTATGGTCTGTGGTTCCACCAGTGG

Crema.WS247	Crema.WS247_Fam_264_27_1	1	27	0.000000	GAAATCCGGCGCCCGGGGCCATCCTC
Crema.WS247	Crema.WS247_Fam_265_26_1	1	26	0.000000	AACTTTTTTCGAAAAGTTTAGACCGGAA
Crema.WS247	Crema.WS247_Fam_266_25_1	1	25	0.000000	TCTTTCTCTCTTTTTTTCATTATTT
Crema.WS247	Crema.WS247_Fam_267_25_1	1	25	0.000000	TTCCGACTTCCGGGCGTTTTTTCAC
Crema.WS247	Crema.WS247_Fam_268_25_1	1	25	0.000000	ATCTAGGCTCCGCCACTTAGAGAC
Crema.WS247	Crema.WS247_Fam_269_25_1	1	25	0.000000	TTTCTCTTCCACGGCCACCACGGGA
Crema.WS247	Crema.WS247_Fam_270_24_1	1	24	0.000000	AGTCTCGAAGACCAAGTCTCGCCA
Crema.WS247	Crema.WS247_Fam_271_24_1	1	24	0.000000	GCCTACAACCGTTACAACACTACTGA
Crema.WS247	Crema.WS247_Fam_272_24_1	1	24	0.000000	ACGGAAGCTCCGACGACTTCAACT
Crema.WS247	Crema.WS247_Fam_273_24_1	1	24	0.000000	AAGAAGAGGAGGGAGAGCAGAAGA
Crema.WS247	Crema.WS247_Fam_274_24_1	1	24	0.000000	GATCCTAGAGACTACTGTAACTCC
Crema.WS247	Crema.WS247_Fam_275_24_1	1	24	0.000000	ATGTACCCTTGATCATCTCACAG
Crema.WS247	Crema.WS247_Fam_276_24_1	1	24	0.000000	TCCTTCTTGTCTTGGCTGCGAGA
Crema.WS247	Crema.WS247_Fam_277_24_1	1	24	0.000000	TCCTTCTTAGCCTTGTCTCATCAGCC
Crema.WS247	Crema.WS247_Fam_278_23_1	1	23	0.000000	CACAAGTTGTGTTTTTGTACTATC
Crema.WS247	Crema.WS247_Fam_279_23_1	1	23	0.000000	AGTCCGCCCACTATGACCCCTT
Crema.WS247	Crema.WS247_Fam_280_23_1	1	23	0.000000	TTTAGGCTTAGAAGCTCCGCCTC
Crema.WS247	Crema.WS247_Fam_281_23_1	1	23	0.000000	TCTAAAAATTTACAGAAAAATCA
Crema.WS247	Crema.WS247_Fam_282_23_1	1	23	0.000000	TTTTGAGTTGATTTAATCATGA
Crema.WS247	Crema.WS247_Fam_283_22_1	1	22	0.000000	TACTGTAGTGAATCCCAAGGAA
Crema.WS247	Crema.WS247_Fam_284_22_1	1	22	0.000000	TTACTACTGACAATCACCGAAGC
Crema.WS247	Crema.WS247_Fam_285_22_1	1	22	0.000000	AAACTGTTGTCCCCTTGAGTAT
Crema.WS247	Crema.WS247_Fam_286_22_1	1	22	0.000000	TCAATGCACCATATAGTAATGG
Crema.WS247	Crema.WS247_Fam_287_21_1	1	21	0.000000	CGTTTTCAGCTCAAATTTTCT
Crema.WS247	Crema.WS247_Fam_288_21_1	1	21	0.000000	CATGAATTTTGTAGTCGAAAAA
Crema.WS247	Crema.WS247_Fam_289_21_1	1	21	0.000000	AGTTCGGCCACCAGGAGAGAA
Crema.WS247	Crema.WS247_Fam_290_21_1	1	21	0.000000	AAAGTGACGTCATTTTCAGAGA
Crema.WS247	Crema.WS247_Fam_291_21_1	1	21	0.000000	AGGTGAAAAATCAAATTTTAT
Crema.WS247	Crema.WS247_Fam_292_21_1	1	21	0.000000	TACAGTGACAATTTCAAAGAT
Crema.WS247	Crema.WS247_Fam_293_21_1	1	21	0.000000	ACCAGTACCTCGACTGAATCC
Crema.WS247	Crema.WS247_Fam_294_21_1	1	21	0.000000	AAGATTACTGTAGATGACCAG
Crema.WS247	Crema.WS247_Fam_295_21_1	1	21	0.000000	CGGTCGCAGTTTTCGCTAGAC
Crema.WS247	Crema.WS247_Fam_296_21_1	1	21	0.000000	CTGGAACCCCTGATCTGACC
Crema.WS247	Crema.WS247_Fam_297_21_1	1	21	0.000000	TAAGCAGCTCCCAACGAGCCC
Crema.WS247	Crema.WS247_Fam_298_21_1	1	21	0.000000	CACAAGTTGTAGCCAATAAAA
Crema.WS247	Crema.WS247_Fam_299_21_1	1	21	0.000000	GGCTGAGCTTGTTTCGAAAAG
Crema.WS247	Crema.WS247_Fam_300_21_1	1	21	0.000000	ACTTCTGGTACTGGACCATCT
Crema.WS247	Crema.WS247_Fam_301_20_1	1	20	0.000000	TGGAAGTTCTTTCGAAAT
Crema.WS247	Crema.WS247_Fam_302_20_1	1	20	0.000000	GTCGATTTACGGAGCTCGG
Crema.WS247	Crema.WS247_Fam_303_20_1	1	20	0.000000	ACTCAACTTTTGGCAATGCC
Crema.WS247	Crema.WS247_Fam_304_20_1	1	20	0.000000	ATAGGTCCCCACATCCAATA
Crema.WS247	Crema.WS247_Fam_305_20_1	1	20	0.000000	GGTGGCCTAGTTTCCCAATA
Crema.WS247	Crema.WS247_Fam_306_20_1	1	20	0.000000	ACGCCTAAAATGAGCCTGAA
Crema.WS247	Crema.WS247_Fam_307_20_1	1	20	0.000000	GGAAAAAGCTTAAATTTGAT
Crema.WS247	Crema.WS247_Fam_308_20_1	1	20	0.000000	TGTCGCTTTTTTCGAAGATG
Crema.WS247	Crema.WS247_Fam_309_20_1	1	20	0.000000	CAGTAATCTAGGAATATCTA
Crema.WS247	Crema.WS247_Fam_310_20_1	1	20	0.000000	TTCATTCGCTGCGGCTCAT
Crema.WS247	Crema.WS247_Fam_311_20_1	1	20	0.000000	CATCAGACAGATTCTCGGC
Crema.WS247	Crema.WS247_Fam_312_20_1	1	20	0.000000	TGCGTCAAAAAGTACGCCGC
Crema.WS247	Crema.WS247_Fam_313_20_1	1	20	0.000000	ACCTCAAAAATTTGGGCTGAG
Crema.WS247	Crema.WS247_Fam_314_20_1	1	20	0.000000	GCTCACTAGAGCGTCAAAA
Crema.WS247	Crema.WS247_Fam_315_19_1	1	19	0.000000	ACGGGGTTTTAAGAAATAG
Crema.WS247	Crema.WS247_Fam_316_19_1	1	19	0.000000	GAACGGTCCCAAGGAATTA
Crema.WS247	Crema.WS247_Fam_317_19_1	1	19	0.000000	GAATGGTCCCAACCCGAAA
Crema.WS247	Crema.WS247_Fam_318_19_1	1	19	0.000000	ATTCTCTTTTTTTTTTCTC
Crema.WS247	Crema.WS247_Fam_319_19_1	1	19	0.000000	TAGAGTACCATTACATCAC
Crema.WS247	Crema.WS247_Fam_320_19_1	1	19	0.000000	TCTTCTTAACCTTCTTCTC

Crema.WS247	Crema.WS247_Fam_321_18_1	1	18	0.000000	GGATACGGTGGATATGGA
Crema.WS247	Crema.WS247_Fam_322_18_1	1	18	0.000000	CCTTCCAATCCAGGAACT
Crema.WS247	Crema.WS247_Fam_323_18_1	1	18	0.000000	CTCTCCTGTTTTTAGTCC
Crema.WS247	Crema.WS247_Fam_324_18_1	1	18	0.000000	GATTTCCAGGACGATCAG
Crema.WS247	Crema.WS247_Fam_325_18_1	1	18	0.000000	GGCGGAGCTTGTGAGGG
Crema.WS247	Crema.WS247_Fam_326_18_1	1	18	0.000000	GCCAAGTACAGTGACCAC
Crema.WS247	Crema.WS247_Fam_327_18_1	1	18	0.000000	TAGAATCGCTAGCATCGC
Crema.WS247	Crema.WS247_Fam_328_17_1	1	17	0.000000	TCGAGTCTCGTCTGGCC
Crema.WS247	Crema.WS247_Fam_329_17_1	1	17	0.000000	CTCTTTGACTACACTTG
Crema.WS247	Crema.WS247_Fam_330_16_1	1	16	0.000000	TTAGGCTTAGCTGATC
Crema.WS247	Crema.WS247_Fam_331_16_1	1	16	0.000000	TGCGAGTTTTTGGGTT
Crema.WS247	Crema.WS247_Fam_332_16_1	1	16	0.000000	CGGGTTGAATCCTCC
Crema.WS247	Crema.WS247_Fam_333_16_1	1	16	0.000000	TCGGAGGGTCGGAGGA
Crema.WS247	Crema.WS247_Fam_334_15_1	1	15	0.000000	TATCAGTTATCACTT
Crema.WS247	Crema.WS247_Fam_335_15_1	1	15	0.000000	CAGTGCAACCGAAAT
Crema.WS247	Crema.WS247_Fam_336_15_1	1	15	0.000000	CATTTCGGCACCAAC
Crema.WS247	Crema.WS247_Fam_337_15_1	1	15	0.000000	AATCTGAATCTTCAG
Crema.WS247	Crema.WS247_Fam_338_15_1	1	15	0.000000	GATTACTGTATCTGG
Crema.WS247	Crema.WS247_Fam_339_15_1	1	15	0.000000	GATAAGGAAGCAAAT
Crema.WS247	Crema.WS247_Fam_340_15_1	1	15	0.000000	CGAAAAATTTTGAGG
Crema.WS247	Crema.WS247_Fam_341_14_1	1	14	0.000000	AAGTTAGGCCACCA
Crema.WS247	Crema.WS247_Fam_342_14_1	1	14	0.000000	CCCATTCTAATTGT
Crema.WS247	Crema.WS247_Fam_343_11_1	1	11	0.000000	TATCGTAATCC
Crema.WS247	Crema.WS247_Fam_344_11_1	1	11	0.000000	GACCACGATTC
Crema.WS247	Crema.WS247_Fam_345_10_1	1	10	0.000000	CGAGACTCAA
Crema.WS247	Crema.WS247_Fam_346_10_1	1	10	0.000000	ATTCTGTGC
Crema.WS247	Crema.WS247_Fam_347_10_1	1	10	0.000000	TCGCTATCTT

M. hapla

Genome	Family name	Number of sequences	Alignment length	Score	Consensus without gaps
Mhapla.WS247	Mhapla.WS247_Fam_1_17_42	42	18	0.747688	GAATAnTGAAGCAGGtg
Mhapla.WS247	Mhapla.WS247_Fam_2_24_30	30	24	0.947893	CAGTCCGTTTCAGTGTcGtTCAACTT
Mhapla.WS247	Mhapla.WS247_Fam_3_19_17	17	24	0.721763	TGTCAATCAAAcCaTGtTACC
Mhapla.WS247	Mhapla.WS247_Fam_4_14_16	16	24	0.348322	ATTAAaATTAANA
Mhapla.WS247	Mhapla.WS247_Fam_5_39_13	13	42	0.781237	TGCGTGCTGGACTGCACtaAAGGCAGCAGCATCaACAnA
Mhapla.WS247	Mhapla.WS247_Fam_6_21_13	13	31	0.466915	TTCAcaCTACcnnATGTTCCc
Mhapla.WS247	Mhapla.WS247_Fam_7_16_11	11	16	0.863636	CCAAGgTTTAAAGGC
Mhapla.WS247	Mhapla.WS247_Fam_8_182_9	9	183	0.811374	
ATAGGCCATATATGACAGAAAAAATTAAAGAAATTTTATCGTTTAGAAACGGatTTATAGGCCTAGAanTTTTcAAtnCaaAAATTTTCaTtTgaAactTCAGAGTCTCTGACTCAAAAGGCAATATCTCTGCCAAAAATGCGgAAAccTaTnTTGAAAA					
TtTgagAtATTTTAgAnAAGAT					
Mhapla.WS247	Mhapla.WS247_Fam_9_61_8	8	62	0.802035	CTGCATTAtgGGATGGATGCaAaTCTCGGCCCTTCGGCCCTCgAACCaACTCATTTACTT
Mhapla.WS247	Mhapla.WS247_Fam_10_12_8	8	13	0.673077	aAaTtATTTTTA
Mhapla.WS247	Mhapla.WS247_Fam_11_169_7	7	177	0.716348	
GaCCTATAAAAAATGCTTTGAGacGATAaAATTTCTTtATTTTTTCTtCAAAGaTgGATtAGAGTCTTATcTACaatATCCaAAATTTTgAGAtAGgttTcCGCATgTTTGGatGAGATATaGcTTTAGAGTCTGaTgTatcagaAAtttTCTccgAAA					
AAcTtCtTAG					
Mhapla.WS247	Mhapla.WS247_Fam_12_62_7	7	88	0.509109	aAAAAATCAATAAAATCGATATATcGATTTTTcAAAAtTTGTaAAAAATTTTTcaAAAAATCgATA
Mhapla.WS247	Mhapla.WS247_Fam_13_55_7	7	57	0.788917	CTGGCTAGATGGAGgGCTTcgTnGTGCTcCAGTATGGACAGgGGGATtATTGCn
Mhapla.WS247	Mhapla.WS247_Fam_14_37_7	7	37	0.747748	TTcGgACTAgAaAGTAGGCTGGAagGAACATGTTCCc
Mhapla.WS247	Mhapla.WS247_Fam_15_180_6	6	185	0.814114	
TTCAGAGTTACCTGACTCTAAAGGCcATAACTCAGCCAAAAATGCTAAAATCTCCTTGAAATTTTgAGATATCTTAGATAAGATGTAgAtCTATATTGATACAAAAATCAAGAAAtGTTATCGATTTAAACATTTTTATAGGCCaTAGAAgTTTTgAT					
AggAGaAGAACAATtTAAT					
Mhapla.WS247	Mhapla.WS247_Fam_16_21_6	6	21	0.919577	ATATTCTGGTCAGTTCtGATc
Mhapla.WS247	Mhapla.WS247_Fam_17_14_6	6	18	0.588272	naAATCTGATTTTT
Mhapla.WS247	Mhapla.WS247_Fam_18_177_5	5	184	0.770833	
TCTAAaGGcATAACTCATCCAAAAATATtAATATCTCCTTGAATTTTtGgGACATCTTAGAtAAGATaTAgAtCTATaTtTAgCcAAAAATaaagAGctgAGacATaCcGaAAAAATTTTTATAGGGCCTAgAatTTTTaaTAGAGaatTCATAtAa					
tttnaaggtctcnagac					
Mhapla.WS247	Mhapla.WS247_Fam_19_20_5	5	25	0.433333	AAtnTtctAAAantATAataa
Mhapla.WS247	Mhapla.WS247_Fam_20_20_5	5	20	0.853333	AaTTgTAAGaATTTaTAAAT
Mhapla.WS247	Mhapla.WS247_Fam_21_180_4	4	186	0.742234	
aAaATTTTCGAGGTaaccGACTCTAaaaTCAATATCaGAAAAATTCCTCCTACgAtTttaaTgtAaaTTTGGGATATtGTAggtAAGAcATTcaTccATCTATaaCAAAAAATtAagAAATTTCACTTTCAAaTTTTGATTTaTaGGgTTTTGAAGaT					
tTtATTAGGCTaAAAtaatt					
Mhapla.WS247	Mhapla.WS247_Fam_22_177_4	4	177	0.893283	
CgTAAATaGGCACAAACaTaCTAATaAaCGTAACCTTAAAGCGTTATAACGCgAaTTCTAGCGTTTAAATcTCTTAGtAAATtGgGATATtTTAGAgAAGACTaTAATcAGaATTTATTCAAAAAATTAgaAAGATCTAAACCaCCAAATTTTTGTAAATC					
GTTACTGAAGTTTTTAG					
Mhapla.WS247	Mhapla.WS247_Fam_23_158_4	4	158	0.992968	
AAAATTTTTCGTTCAATTCAAAAATGTCAAAAAATTTTCATGAAATTCcATTCCGatTGAATTTTTTAAAAATTTATAGAAATCAAAATATTTTTATGATATTTATTTTGCCAATGAGTTCGGCAAGATAATTCTATAAGAATTTCTAGAAATTTCAAAGAAA					
Mhapla.WS247	Mhapla.WS247_Fam_24_88_4	4	88	0.929293	
GAGGAAACCAcTGAATTCtaTTTTATCaGaAATATgTAGTCTAGAACGTTAAAAATTTAaTcGAAATTTTTTAGAaaCTGAAGACAAAT					
Mhapla.WS247	Mhapla.WS247_Fam_25_59_4	4	61	0.819672	GCAGCCCTACTGACGCTTTTGTcAGGGGCaTaATTCaTGGTGGcttgTgcTCAATGGTG
Mhapla.WS247	Mhapla.WS247_Fam_26_40_4	4	40	0.966667	TTAATCATTATCTCTATTCAACGGATAATAGGGcTAAAT
Mhapla.WS247	Mhapla.WS247_Fam_27_31_4	4	32	0.828125	TTCAATTATTCaaCtTGTTTcAcTTgCCTTGC
Mhapla.WS247	Mhapla.WS247_Fam_28_32_4	4	32	0.958333	AGgGaCAGGACTCTAATGGTPTTTTAACTTAA
Mhapla.WS247	Mhapla.WS247_Fam_29_23_4	4	24	0.817130	AAAGCAACCGAgGCTcCCCGGgAc
Mhapla.WS247	Mhapla.WS247_Fam_30_19_4	4	22	0.545455	AAgTTTATTtTtaTaaTTc
Mhapla.WS247	Mhapla.WS247_Fam_31_18_4	4	18	0.702160	tTagagAGaGGGTAAATTA
Mhapla.WS247	Mhapla.WS247_Fam_32_11_4	4	14	0.551587	AAAnAAcACAA
Mhapla.WS247	Mhapla.WS247_Fam_33_11_4	4	11	0.898990	AGAATTACTCt
Mhapla.WS247	Mhapla.WS247_Fam_34_78_3	3	87	0.837803	
TCGTCCAATTTGTATAGAAGAGCCtTCTTCGACAGTTGTGGAGTATTATGTCGTCGATTTcTCAAGCTTcAGAC					
Mhapla.WS247	Mhapla.WS247_Fam_35_86_3	3	86	0.886305	
CATAAATGAACAATAATATAAAATtaAtTgGccTAGTcTATGAATTATcTTACAAAAATAATATCTTCTAATAAAATTAaAGtCg					

Mhapla.WS247	Mhapla.WS247_Fam_36_84_3	3	84	1.000000	
CCTCGAAGATGGGATTTGTTTATAGGATCCATTTCGATTTTGGGGTTTTATATTTAAAAATCATCCATGAAATAACCGGTA AAAAC					
Mhapla.WS247	Mhapla.WS247_Fam_37_74_3	3	74	0.963964	
ATGATTtAAGATAGATTAGATATtTTAGGgCCAAATAAATAGAAAGAGATTAGAATGATAATGACCATAAGAAGA					
Mhapla.WS247	Mhapla.WS247_Fam_38_68_3	3	69	0.906602	TTAGAGTCTtATCTACAATATCCCAAATTTTGAgggAGGTTTCCGCATGTTTGAaGAGATATAgCC
Mhapla.WS247	Mhapla.WS247_Fam_39_62_3	3	68	0.846405	TAATTTTGA AAAACAAATTTTAAACACATcCTcTAATAATAAATTACAATTCGGtAAAGCATTTT
Mhapla.WS247	Mhapla.WS247_Fam_40_64_3	3	64	0.798611	TGTATATCAATTATCAATATTTTTTaaATTaaAGGTATAAATATCAATGTAtgttatcaaaaa
Mhapla.WS247	Mhapla.WS247_Fam_41_56_3	3	56	0.984127	CAAAATaTATTATGGCATTTTTGCCCTCTTCGGTGGCCATAAAAAATTTTTCTGTTTTGc
Mhapla.WS247	Mhapla.WS247_Fam_42_34_3	3	34	0.947712	TGCCCCATGCCCTCAATCGGcTTGCgGGTCTTTCC
Mhapla.WS247	Mhapla.WS247_Fam_43_28_3	3	28	0.611111	AAATaAatAcAAATATCAgaaTTaATTTa
Mhapla.WS247	Mhapla.WS247_Fam_44_21_3	3	27	0.588477	AaGGTGctGTTGtGTgGTAG
Mhapla.WS247	Mhapla.WS247_Fam_45_26_3	3	26	0.803419	AtTgACGTGGCgCAGGGCTCCaGCag
Mhapla.WS247	Mhapla.WS247_Fam_46_26_3	3	26	0.965812	AAAAATCAGAATTTTTTCTGATTTTA
Mhapla.WS247	Mhapla.WS247_Fam_47_22_3	3	22	0.712121	TATTTTTGTATTTTTntAannt
Mhapla.WS247	Mhapla.WS247_Fam_48_22_3	3	22	0.656566	GGGATAAGtGGgAAnGnTAagg
Mhapla.WS247	Mhapla.WS247_Fam_49_22_3	3	22	0.878788	ATACTGTAgAttTAAAGCCGG
Mhapla.WS247	Mhapla.WS247_Fam_50_18_3	3	20	0.727778	ntTTTTATAGGCCTAGAA
Mhapla.WS247	Mhapla.WS247_Fam_51_20_3	3	20	1.000000	AAGTTGCGTTATAACGCTTT
Mhapla.WS247	Mhapla.WS247_Fam_52_18_3	3	18	0.901235	GCCACCATTGAAcCACaA
Mhapla.WS247	Mhapla.WS247_Fam_53_18_3	3	18	0.901235	CCCATCtgAACGCTGAAA
Mhapla.WS247	Mhapla.WS247_Fam_54_16_3	3	17	0.650327	TTTTAATTTnAttCTg
Mhapla.WS247	Mhapla.WS247_Fam_55_16_3	3	17	0.647059	ATtGTAAAcTTaTTt
Mhapla.WS247	Mhapla.WS247_Fam_56_15_3	3	16	0.701389	AAACaAGTTTTnAaA
Mhapla.WS247	Mhapla.WS247_Fam_57_15_3	3	16	0.729167	AtAaTTTTAAgCTTT
Mhapla.WS247	Mhapla.WS247_Fam_58_16_3	3	16	1.000000	TTAAGATAAAGCATT
Mhapla.WS247	Mhapla.WS247_Fam_59_11_3	3	11	0.848485	AtAATTTAATt
Mhapla.WS247	Mhapla.WS247_Fam_60_95_2	2	95	0.901754	
ATCCCATCGAATAAAAGGGaaaATTgATCGATGAATGAAGTTCATGTATGAATTAGTATGACCTTCATgATCAACTTTTtCaATTTCTAGAAATa					
Mhapla.WS247	Mhapla.WS247_Fam_61_94_2	2	94	0.702128	
AGATTTTATTAATAAAATTATATTTTTTAAAAATAATACGAGGTAATAAATAAAAAATACTAAACACTTTATAaattttatcttcgagggtaaattt					
Mhapla.WS247	Mhapla.WS247_Fam_62_89_2	2	89	1.000000	
GAATAGACGATAAAATTGCAGTCGTTAAGTAGTAGATTTAAATAAATTTGTCTCATAGAACTAATGATTAGTACTAATGATAAATTTAC					
Mhapla.WS247	Mhapla.WS247_Fam_63_78_2	2	78	0.965812	
TTAATAATAAGTTAAACATTAGAAGCCTAGTTAATATATTTACTTTTTTCTGATTCTGTTTCATTAGATACTGgTAAc					
Mhapla.WS247	Mhapla.WS247_Fam_64_76_2	2	76	0.929825	
CAGTGCaAATGCcTACCTAGGATTTCTAGATTTTTaTCTATGACAATTTCTTCAATTATTAGGACATATATAGTG					
Mhapla.WS247	Mhapla.WS247_Fam_65_76_2	2	76	0.929825	
GTTTATACAATTCATATATATTTgGTAGAATTAGATCTCTATATAGAACAaATCAtaACTTGTAGCTTcCaACTTC					
Mhapla.WS247	Mhapla.WS247_Fam_66_72_2	2	72	0.953704	CAAGTGATATAATAAAATTAAGTGAGATAaATGAGGGTTCTTAAGcCCAAGAGCTAAGCAAGACTCGTTTTT
Mhapla.WS247	Mhapla.WS247_Fam_67_67_2	2	67	1.000000	AGAATAATTTTCGACAAGCAATAAGTGCTAACCTAAAGATAATGGCACTTTCTGATTTATCAAAAATC
Mhapla.WS247	Mhapla.WS247_Fam_68_66_2	2	66	1.000000	TAATTTTTTACAATTTCTGCGGTAGCAATACTTAAGTTTTTTTTTTCTTCGACAAGTTTACAATTG
Mhapla.WS247	Mhapla.WS247_Fam_69_62_2	2	62	0.956989	AAATTTTAGATAaaACGTTACATAAACCGGAAATCTATTTCGcGAACTTTGATTACTAACCT
Mhapla.WS247	Mhapla.WS247_Fam_70_62_2	2	62	0.935484	CGCAAGGAGGACGAAGACAATGACGCTTCTAAATGATGaATAAAAGaCGTTATAAATTAGGa
Mhapla.WS247	Mhapla.WS247_Fam_71_60_2	2	60	0.822222	GGCTTCGGCCAACTGCCAGAGGGGGtctTCTTTCTCTcTTCcCCCCTGCAAGCAGaT
Mhapla.WS247	Mhapla.WS247_Fam_72_60_2	2	60	0.955556	GATGGTTTCAGCAGAAGTTCTCTCTTCTTGTCCaTGCTCCGAGACGAGAAGACTTTTTT
Mhapla.WS247	Mhapla.WS247_Fam_73_57_2	2	57	0.859649	TATAAgGCACTGTAGaAAATcTTCTACTAActTAAACgTtTACCgGTTTGCCATGGC
Mhapla.WS247	Mhapla.WS247_Fam_74_54_2	2	54	1.000000	AATATCTGGCTTTCAGCCTTTTTATGAAGCTGCTTCTCTCTGGAAGCTTCAA
Mhapla.WS247	Mhapla.WS247_Fam_75_54_2	2	54	1.000000	ATACATAGACCCTCAGGAATCTATGTATTTTCGGTATATTTCTAACGATTACAAA
Mhapla.WS247	Mhapla.WS247_Fam_76_53_2	2	53	1.000000	TTTTATATAATTAAGATTTTCTTCTATATTTAAAAATATATTTAAGTTTGA
Mhapla.WS247	Mhapla.WS247_Fam_77_48_2	2	48	0.833333	CGAAAGCTTATGCGTGCCaAAATCAATaCCTGCTAAAAATCAAAaCTa
Mhapla.WS247	Mhapla.WS247_Fam_78_48_2	2	48	0.916667	TTCCTTGCCCTTGCTTcATTATTTCCaCCTGTTTCATaATTCAACTTGc
Mhapla.WS247	Mhapla.WS247_Fam_79_42_2	2	42	0.603175	TTTACAATTTGTA AAAAGTTTTTaAttaAAgCTTTTaaTTATaA
Mhapla.WS247	Mhapla.WS247_Fam_80_42_2	2	42	0.888889	CAGTAATTTTGAAGCATGCTTcAaAaTTTTTGTAACATGaTT
Mhapla.WS247	Mhapla.WS247_Fam_81_42_2	2	42	1.000000	GAAAATAATATATAATCAGTTAGTACAAAATTCGTA CTAACA
Mhapla.WS247	Mhapla.WS247_Fam_82_41_2	2	41	1.000000	TCTTAATTTTAATTTATTTAAATAAAAAACATATCTTCTCTC
Mhapla.WS247	Mhapla.WS247_Fam_83_40_2	2	40	0.608333	TAATTaagAAATAtaTTCCGGA AAACaCAtaCTaAaATtt
Mhapla.WS247	Mhapla.WS247_Fam_84_40_2	2	40	0.800000	CCTATaTTGAaAATCTGagATATTTTAgATaAGATATAGg

Mhapla.WS247	Mhapla.WS247_Fam_85_37_2	2	37	0.639640	ATTCTGaTTTTaatGtTTTAAaAaaTGTTTTaATTTA
Mhapla.WS247	Mhapla.WS247_Fam_86_37_2	2	37	0.639640	GAAAcaTTATTaTAtTTAAATaAAAaAaTTTTaCG
Mhapla.WS247	Mhapla.WS247_Fam_87_36_2	2	36	0.611111	AAATCAGAATTTCaTgCAaACAgTaaTgAAAtaAgA
Mhapla.WS247	Mhapla.WS247_Fam_88_36_2	2	36	0.962963	TTAACTTTTTcCGAAAATACATTTCTGAAATTAATCT
Mhapla.WS247	Mhapla.WS247_Fam_89_33_2	2	33	0.621212	tTTTTGcTatTTTTcTATTTTTcACAAAaCaGAa
Mhapla.WS247	Mhapla.WS247_Fam_90_33_2	2	33	1.000000	ATCAGAATTTAAAACAACTGTAGAAAAATAAAT
Mhapla.WS247	Mhapla.WS247_Fam_91_32_2	2	32	0.656250	ttTTCCGGAAAaTaaTTaAAAaTAATCTGAC
Mhapla.WS247	Mhapla.WS247_Fam_92_32_2	2	32	0.666667	aTACAAcCtTCCGGaAAATATTaTaaTTAAa
Mhapla.WS247	Mhapla.WS247_Fam_93_32_2	2	32	1.000000	TTACCGAACGAACGGGCAGGAAGAAATCTCCC
Mhapla.WS247	Mhapla.WS247_Fam_94_31_2	2	31	0.612903	TACAAaTTGTAAAAaaTTTaTTAaTAAaac
Mhapla.WS247	Mhapla.WS247_Fam_95_30_2	2	30	1.000000	ATAATTTAAAAAATTTTACTAATTTTTTAA
Mhapla.WS247	Mhapla.WS247_Fam_96_29_2	2	29	0.655172	AAgTTTTAcAAATAAAATaaTTTTTAggAA
Mhapla.WS247	Mhapla.WS247_Fam_97_28_2	2	28	0.678571	AAAAtACAAAATACaAATAAACTgGga
Mhapla.WS247	Mhapla.WS247_Fam_98_27_2	2	27	0.703704	TTGAcTTTTGTaATATTTTgGccTAT
Mhapla.WS247	Mhapla.WS247_Fam_99_26_2	2	26	0.679487	TTAAATAAACTcGAAGcAAAaCTTtg
Mhapla.WS247	Mhapla.WS247_Fam_100_25_2	2	25	0.600000	TTTTcagTAATTaGCTTTaAATGa
Mhapla.WS247	Mhapla.WS247_Fam_101_24_2	2	24	0.625000	TTACAAaAATATTTaaTTAcaAaa
Mhapla.WS247	Mhapla.WS247_Fam_102_24_2	2	24	0.888889	GGGTCACAAaTATCCaGAGAAACCC
Mhapla.WS247	Mhapla.WS247_Fam_103_23_2	2	23	0.666667	aaAATTcTGAAAAAcTTgGGAAa
Mhapla.WS247	Mhapla.WS247_Fam_104_23_2	2	23	0.688406	ATTCtgATTTTcGgTTTTATca
Mhapla.WS247	Mhapla.WS247_Fam_105_23_2	2	23	0.688406	aAGAAaAAATTTTAGAAaAAAt
Mhapla.WS247	Mhapla.WS247_Fam_106_22_2	2	22	0.689394	aaATCAGAATTaTTTaAGAAga
Mhapla.WS247	Mhapla.WS247_Fam_107_22_2	2	22	0.742424	TtcTGatTTTTAAAAATTAaa
Mhapla.WS247	Mhapla.WS247_Fam_108_22_2	2	22	0.636364	TTgTTTTATTTAtTTAaaaaAa
Mhapla.WS247	Mhapla.WS247_Fam_109_22_2	2	22	0.727273	AaGGAACATCCatCTAGTCTGa
Mhapla.WS247	Mhapla.WS247_Fam_110_22_2	2	22	0.613636	gGAAGCATGCTTCaAaaTTaCg
Mhapla.WS247	Mhapla.WS247_Fam_111_22_2	2	22	0.939394	GGCCTcCGGCCCTCGACTTCTC
Mhapla.WS247	Mhapla.WS247_Fam_112_21_2	2	21	0.698413	AATTCGATgTTTTTaAaCaa
Mhapla.WS247	Mhapla.WS247_Fam_113_20_2	2	20	0.641667	CAAcGAaAATAcAAGACTa
Mhapla.WS247	Mhapla.WS247_Fam_114_19_2	2	19	0.684211	TATTTTTGaAgaAAAgAAT
Mhapla.WS247	Mhapla.WS247_Fam_115_19_2	2	19	1.000000	AAATGTTTTCCGAAAAAAG
Mhapla.WS247	Mhapla.WS247_Fam_116_18_2	2	18	0.611111	TAACTTGAAAaAcTgAag
Mhapla.WS247	Mhapla.WS247_Fam_117_18_2	2	18	0.666667	AaTTaTTAaTAAACaAG
Mhapla.WS247	Mhapla.WS247_Fam_118_18_2	2	18	0.851852	CTACACCcCAaCGGGAT
Mhapla.WS247	Mhapla.WS247_Fam_119_16_2	2	16	0.708333	TaTTATAAaGAGTGTc
Mhapla.WS247	Mhapla.WS247_Fam_120_16_2	2	16	0.833333	TATAGTGAActCcCGa
Mhapla.WS247	Mhapla.WS247_Fam_121_15_2	2	15	0.733333	AAAcTGGTACaaGAC
Mhapla.WS247	Mhapla.WS247_Fam_122_14_2	2	14	0.666667	TAGgTAAGGcAAcT
Mhapla.WS247	Mhapla.WS247_Fam_123_14_2	2	14	1.000000	ACTCTGAATCGGCT
Mhapla.WS247	Mhapla.WS247_Fam_124_13_2	2	13	1.000000	TTCCGGAACCAA
Mhapla.WS247	Mhapla.WS247_Fam_125_12_2	2	12	1.000000	TACCGTACCGTA
Mhapla.WS247	Mhapla.WS247_Fam_126_11_2	2	11	1.000000	ATAACTTTCGC
Mhapla.WS247	Mhapla.WS247_Fam_127_10_2	2	10	0.733333	TATTTTaaTg
Mhapla.WS247	Mhapla.WS247_Fam_128_181_1	1	181	0.000000	
TTTCTTTATTTTTTATACAATATAGATCTATGTCTTATCTAACATATCCCAAATATCTAGGAGATCGTTGCATTTTAAAGCCCGAAATTTTTCAATTTTGAGTCTGATGACTCTGAAAGATAAAAAATTTCTCCTGTTAAAACTCTAACCCCTATAA					
CTCAAAATTTTGAAGTTGAAA					
Mhapla.WS247	Mhapla.WS247_Fam_129_179_1	1	179	0.000000	
TCATAGGACTTCGGCCACCCCATTAAGTTTTGAGAAGCAATAAGAAGCTTGGTAAGCCTTTTTAGAGTCAAATATGATTAGATCTCGTGTGTATGATTTGGTATAAGAACTAGAACCGCCACCGGATCCCACAAGCTAAAGTAGTGTCTCTATTTAG					
AAGCTCCAATATGAAAAAC					
Mhapla.WS247	Mhapla.WS247_Fam_130_177_1	1	177	0.000000	
ACAAAAAATTAGAAAAATTTAATTTAGAAAATCGTTCCTAGAGGAGTCGGAATTTTCATTAATTTTAGAGCTTTATAATTAAGTCAACAGACTCTAAGGGTCATTTCTCTAAAAATTGACGTGAGATCACCTAATAAATTTTGGATATTGTAGATAAGA					
TGTATTACATCTTTAC					
Mhapla.WS247	Mhapla.WS247_Fam_131_168_1	1	168	0.000000	
CCCAAGTTTTGFAAGGGAGGACGAAGTCCCTATGAGTTTTTTGTTTTCCATCAACGCTACTTTAGCAATCAGGATCCGGGTTGCATTTCTCTTTCTTATGCTCAGTCATACACACCAAACCTATCATATTGGACTCAAGGAACACTACACAAGCTTTTT					
ATGGCTTC					
Mhapla.WS247	Mhapla.WS247_Fam_132_141_1	1	141	0.000000	
AATTATAATTTAATTTGCTAATACAATTAATATATACTTAATATCGCTTAATTTAAATGCAAAATTTATCAATATAAATTTGCATTTAAATTAACCAAATACCTATTCTAATCTTATTATCTTTAATTTTATTAGCAA					

Mhapla.WS247	Mhapla.WS247_Fam_133_137_1	1	137	0.000000	
					TTTAACATTTGTATTACTTTAAATAAAATATAAAAGTCTATTAATAAAGAATATCGAATAAAATTTTAGGTTTCTGTTCCCTCATTTAGGTTATGGAATCTTCTGTATGTCGAGAATATTACTATTTTTATAGA
Mhapla.WS247	Mhapla.WS247_Fam_134_135_1	1	135	0.000000	
					TAATTATTTTATCTTTCTAAACCTATGATATCAACTATTTTTCTTCGTCCTACTTATCTTCCGAACGAATAAACTCTTCCATTCTCTTCATCATCTCTTCCATCAACATCTTCTCACTATTTCTACTGT
Mhapla.WS247	Mhapla.WS247_Fam_135_120_1	1	120	0.000000	
					AAAATAATAAAATAATAATAAAGAGACACCGAATAATAAAATGTTTATAATTGCTTAAGAATAAGATATTTTCTGACTAACATAACGATTTAATATTTATTCGATTTAATATAATTAT
Mhapla.WS247	Mhapla.WS247_Fam_136_111_1	1	111	0.000000	
					CATCATCAGAAGTATCTTCAGAGAAGATGGTTCGCTTCTTTGTGCGCAGGCAAAGCGTTTCGCAAGTCTGGTAGTAGCCTTGGCCGTAGAGTTTTAGATGCCAAAC
Mhapla.WS247	Mhapla.WS247_Fam_137_104_1	1	104	0.000000	
					TGCTGAGCTACGAGCAGGCAAGGCCATGCGAGTTGCCCGCCGACTAAGCCAGCTCGAAGGCTCGGGACCGGGAAGGAGACGCGGGTAAAACCGAAACAAGCG
Mhapla.WS247	Mhapla.WS247_Fam_138_101_1	1	101	0.000000	
					TTAGAGTCTGGTGTATTAGAAAATTTCTCCTGTATACTTCTAGGATCTATAAAAAATGCTTTGAGACGATAGAATTTCTTTATTTTTTCTTCAAAGATGGA
Mhapla.WS247	Mhapla.WS247_Fam_139_97_1	1	97	0.000000	
					GAGAAGTGGCTTGATAAAACAAACAATTTGTTGGATAATAAAATACGAATACAACCTAATCTTCCAAATTCATGATTAATCCAAGCTTTTCGAA
Mhapla.WS247	Mhapla.WS247_Fam_140_97_1	1	97	0.000000	
					TTTACTTTATCTCATTTTACCATGATATAGGTTTAAATAAATCAAATACTTTTCTAAATATAAATCTAAATATAAATCTTTTATTATTAATACCTA
Mhapla.WS247	Mhapla.WS247_Fam_141_93_1	1	93	0.000000	
					CTTCAGGACCAACTGGAGCACCAACAGCAACTCCAGCTTCACTGAATCAACAGGCTCTCCTGCTCCATCTACTTCAGCTGAAACTGGCTCAC
Mhapla.WS247	Mhapla.WS247_Fam_142_92_1	1	92	0.000000	
					TTCAAATTTATAATAAAATTTTCAAAGACATAAAATCTGCCTACAAAAAATTTTGAATTTTTATTCTTTTAAATCAGAATT
Mhapla.WS247	Mhapla.WS247_Fam_143_90_1	1	90	0.000000	
					AAACAAATTAGCTAAATCAAGTTTAGCTTACAAAAATAAGGGACTCCGAAAAAGGCAGTTAATTAGAGAATTTTTTAGTATTTAA
Mhapla.WS247	Mhapla.WS247_Fam_144_84_1	1	84	0.000000	
					ATATTATTTTTAGAATATAGTCTAATGCACTATCAGAACCCTATTTTTCTTCTATCTTTTCAATTTTTGTATTCTCTCTA
Mhapla.WS247	Mhapla.WS247_Fam_145_82_1	1	82	0.000000	
					TTAATAAATAAACGACTAGATTTGCTGATGGAACTCGAACTAATTAGTTTCGTAAAGTTTCGAATAAGAAATAATCAA
Mhapla.WS247	Mhapla.WS247_Fam_146_81_1	1	81	0.000000	
					CTCTAGAGGGAACCTCCATAAATAGTGAACCTCCATATTATGAACCTTTTTAAAGTTCCCATGCCTCAACTAGAGGGGA
Mhapla.WS247	Mhapla.WS247_Fam_147_79_1	1	79	0.000000	
					AATGGATATCCCTACCCCTATATTCTTAGGGTTACAAATCCCTAATTTAGGTGACTTTTGAGTATTATGCCCTTACA
Mhapla.WS247	Mhapla.WS247_Fam_148_78_1	1	78	0.000000	
					TCCATCTACACAAAAGACAGGAGGAGTGGCATCGAACAAAGCCCTGCAGGATTGCCATCTACCGGACGGCCAGAAAC
Mhapla.WS247	Mhapla.WS247_Fam_149_77_1	1	77	0.000000	
					ATTTTTTAGGGTTAAATCCCGAATTTTTCATTTTTATTCTGATTTATTAATCAGAATTTTTTATTTTTATTTAA
Mhapla.WS247	Mhapla.WS247_Fam_150_76_1	1	76	0.000000	
					GATTTATTAAGAATTAGCCTACACCAATAAAATTTATTTTTATTATAACATTATTTCAATTCGGAAGTTTGATA
Mhapla.WS247	Mhapla.WS247_Fam_151_76_1	1	76	0.000000	
					ATTAATTCAAAAGGATATATCCAAATAAATGATTCGGAACAAAATTTGAAAAATTTTACGCTCCTCAAAAACCAGA
Mhapla.WS247	Mhapla.WS247_Fam_152_75_1	1	75	0.000000	
					AGAAACGATTCCTTAGGTAGTTTATTGTGGGATAATAAAGAAATGTTAGATAGTTTGAGATTAAGAAGAAAA
Mhapla.WS247	Mhapla.WS247_Fam_153_74_1	1	74	0.000000	
					TTTGTCTTTATGTAGAGAGTGTGTGAATTAGAGAGTAAAAGGAATCAATTTTCTTGCCTGGATTCTGAGAGGT
Mhapla.WS247	Mhapla.WS247_Fam_154_74_1	1	74	0.000000	
					CCCTAATCTCGGTAAACAATCCCATTTCTTTACCTACGATGGGTCTCTATAGGTATCAAGGGTTACAATGGT
Mhapla.WS247	Mhapla.WS247_Fam_155_74_1	1	74	0.000000	
					CGAAATTTAACTAACGAGAAAATGATATAATGCAACAGAACAAAATCCTACAACCTACATTAGGAATCATTCGC
Mhapla.WS247	Mhapla.WS247_Fam_156_73_1	1	73	0.000000	
					GTGAAGATCATCTTATAGCCTCTTAAGGTCGCATCTGGATAATTTATATTGATCATTCTCGTCTTTTTATT
Mhapla.WS247	Mhapla.WS247_Fam_157_72_1	1	72	0.000000	TGGAGTTGAAGGAGTATTTGGTCCAATCTTGTCTTCGAGTTCTAAAGTGGTCGAGGATGTTCCGTTTGC
Mhapla.WS247	Mhapla.WS247_Fam_158_72_1	1	72	0.000000	ACAAAACCTCGCTAAATGCTGACCATCAATTTGAAAAATCAAGCAACATAATACGAATCAACCAATAAACA
Mhapla.WS247	Mhapla.WS247_Fam_159_71_1	1	71	0.000000	TCTTTAAATTGAAAACCTTTTTTATTCTCACCGCGCTTTTTTGGTCTCTCCAGTTTCTTCTGATTCGACC
Mhapla.WS247	Mhapla.WS247_Fam_160_69_1	1	69	0.000000	AAATAAACTCATTGATCGGTCAATCTTTTTTCAATTCATCTTTGATCTCCTTTTTCAGTTGTGTCC
Mhapla.WS247	Mhapla.WS247_Fam_161_68_1	1	68	0.000000	AAATAATTTCTAAAAAATGAAAAAATTCGAGGATTTATTGGATCTATCAAAAAATGGAATTA
Mhapla.WS247	Mhapla.WS247_Fam_162_68_1	1	68	0.000000	GGGATTTCCGACTAATGTAATACTAGTATCAAAGTGAGACGAATAAACATCTTTGGATAGATGAGAG
Mhapla.WS247	Mhapla.WS247_Fam_163_67_1	1	67	0.000000	AAATACAATAGCCCGAAGTCTATAGATACAGTCGGGCTTATTACGGGTATACTGTACATATCAAG
Mhapla.WS247	Mhapla.WS247_Fam_164_67_1	1	67	0.000000	TATTAGTTTAGAGATGTAATGCCATATAATAGGATTTAAGGACAAGCACTGAAAAATAGAAATAGCG
Mhapla.WS247	Mhapla.WS247_Fam_165_66_1	1	66	0.000000	GTCAAACAATATAATGATACTAAATGTCATAAATTAATCCATAAATCGTTGCAATCTGTGGAAC

Mhapla.WS247	Mhapla.WS247_Fam_166_65_1	1	65	0.000000	TATTTTCATATATTTATATTTTTTAAATTTTAAATTTTTTAATTAATAAATAATATTTTTTTTAT
Mhapla.WS247	Mhapla.WS247_Fam_167_64_1	1	64	0.000000	AGAATTACAACATAAAGTTGGGATCCCCFAAACFAGAGGGTAAACCCCTTGACAAATAATCCTTT
Mhapla.WS247	Mhapla.WS247_Fam_168_64_1	1	64	0.000000	AAGAATAATTTACACGAATATCTCGAATGTCATGATATGACATAATAACATTTGCACGATTTT
Mhapla.WS247	Mhapla.WS247_Fam_169_64_1	1	64	0.000000	ATTTATTTTTGGACAATCTAGATAAATTTCTTTTGATTTCTATCTGCTTATCTGTGCGAAGTCCCTTT
Mhapla.WS247	Mhapla.WS247_Fam_170_63_1	1	63	0.000000	TAAAATTTTGAGGTAACCATACTCTAACGGCAATTTCTCGAAAATCCGCTACGATTTTCTT
Mhapla.WS247	Mhapla.WS247_Fam_171_63_1	1	63	0.000000	TTACATACAGGGGGGCTGCGCTGCGTTTGGTGCCAAATTTGGCATGACCTCTTAAATTT
Mhapla.WS247	Mhapla.WS247_Fam_172_63_1	1	63	0.000000	TTGTTCTGCTTTCAATGTTTATTTTTCTCTGAATTTTGAAGAGTTTCTTTATCTATTGTGTA
Mhapla.WS247	Mhapla.WS247_Fam_173_62_1	1	62	0.000000	TCCGAAGAAAAACACCTGGATGATTTGTCAATAGCAATAGATAACAAAAATCGTCAAAAAAT
Mhapla.WS247	Mhapla.WS247_Fam_174_62_1	1	62	0.000000	GATAAAAAATGGCAAAAAATCAGAATAAAAATAAAGGTTATCGATACTCTAATAGTCCCTGCTC
Mhapla.WS247	Mhapla.WS247_Fam_175_58_1	1	58	0.000000	TTTCCGAAAAGTTTAAATGTTTTTGTGTTTTAAAAAGTTTTATAATTTTCAGAAATTT
Mhapla.WS247	Mhapla.WS247_Fam_176_58_1	1	58	0.000000	AATTAATGTAAGAATTTAAAAATAAATTTTCAGAGTTCCGAAAATAATTTTTCTGA
Mhapla.WS247	Mhapla.WS247_Fam_177_57_1	1	57	0.000000	TATTTCTATTACTTGAGAATATGACATAAATCAAATTATGGAGTCAGTGCATATGTC
Mhapla.WS247	Mhapla.WS247_Fam_178_56_1	1	56	0.000000	GTTTTGCCGTCCGCTACCAAAGCTTTGTTCTATTTCGGACAGCTTTTCACGTTTACC
Mhapla.WS247	Mhapla.WS247_Fam_179_56_1	1	56	0.000000	TATATTTAAAAAATAAATCAGAAATTTACTTAAATTTTATTAATAAATTTGGCTTT
Mhapla.WS247	Mhapla.WS247_Fam_180_55_1	1	55	0.000000	TATGGCAATGATCTAGAATGGTTATACCTCTTTAATACACTGCCATTTCCCGGCTC
Mhapla.WS247	Mhapla.WS247_Fam_181_54_1	1	54	0.000000	ATACTAACCTGGAAACTGAGAGGCCCTTFCGAAATAGAACAATCCTCCTATATG
Mhapla.WS247	Mhapla.WS247_Fam_182_54_1	1	54	0.000000	AATATTTTCCGGAAGATGTTTTATTGTTTTCCGGACAATTAATATTTATATTA
Mhapla.WS247	Mhapla.WS247_Fam_183_53_1	1	53	0.000000	AAATTTTAAATAGAAGTTTCCGGAATAATAACTTTACAAAATATATAATTAC
Mhapla.WS247	Mhapla.WS247_Fam_184_51_1	1	51	0.000000	AGGACAAGGACATTTCTCAAGTGAATCGAAGGAACACACACCAAAACCTTC
Mhapla.WS247	Mhapla.WS247_Fam_185_50_1	1	50	0.000000	AGAAACGATTAATAAATAAATTTATTCGTGAATTTTCTTATTAGAAGTCGATG
Mhapla.WS247	Mhapla.WS247_Fam_186_49_1	1	49	0.000000	TAAACATGTTTTTAAACATCAAAACAAGTTTAAATAATCAGAATTTATTC
Mhapla.WS247	Mhapla.WS247_Fam_187_48_1	1	48	0.000000	CTTTATAAAAAACACACCTTATAACCCCTCCCTTTACAAGCCACTTC
Mhapla.WS247	Mhapla.WS247_Fam_188_48_1	1	48	0.000000	GAATTAGAAGCTAAAAAGAAGTCTGAACCAGAACGCAAAAGAAAAAGCT
Mhapla.WS247	Mhapla.WS247_Fam_189_48_1	1	48	0.000000	CCTTCTCTATCCTTCCACTTCCCTCCATTTCTTCTCTCCATTTCCACCT
Mhapla.WS247	Mhapla.WS247_Fam_190_48_1	1	48	0.000000	AGGACAATTCACCGTTCGACTTTTTCACCTAATAGGATATTTTCCCTAT
Mhapla.WS247	Mhapla.WS247_Fam_191_46_1	1	46	0.000000	TCAAAATTTTATGTTTTCTCGCCTAAAAAATTTCTTACCCTATAAA
Mhapla.WS247	Mhapla.WS247_Fam_192_46_1	1	46	0.000000	GGGATGTTTCAATTCATCTGGGATGAGAGTTTACTCTCATTTCCATCT
Mhapla.WS247	Mhapla.WS247_Fam_193_45_1	1	45	0.000000	AATTTCTGATTTTTAAGTGTATTTTTGTATTAGATTTTTAATTA
Mhapla.WS247	Mhapla.WS247_Fam_194_45_1	1	45	0.000000	AATAATTTAATTAATGTTTTGGATAAAATTTCTGAATGATTTTTCCG
Mhapla.WS247	Mhapla.WS247_Fam_195_45_1	1	45	0.000000	TTATTAATTAATTAATTTGCATTATTTCTAATTAACATATTTAGT
Mhapla.WS247	Mhapla.WS247_Fam_196_44_1	1	44	0.000000	AAGGTAATCCCCAAACTCCATGACGTTTGTGCTAGGAGTCCCTC
Mhapla.WS247	Mhapla.WS247_Fam_197_42_1	1	42	0.000000	GAAAAAGCCTTCTGGAGTTTCAAGTGAATCGAAAGAACATAC
Mhapla.WS247	Mhapla.WS247_Fam_198_41_1	1	41	0.000000	CGGGAAACGGTAATTTCCGGGAAATACAAATTTCCCGAATAT
Mhapla.WS247	Mhapla.WS247_Fam_199_41_1	1	41	0.000000	GCCCCGACCTAAGTCAGTAAGGCTGCCACCATTGCATCAA
Mhapla.WS247	Mhapla.WS247_Fam_200_41_1	1	41	0.000000	AATTTCCGGAAGTTGTGATTTATTTTACAATTTGCGAATAG
Mhapla.WS247	Mhapla.WS247_Fam_201_41_1	1	41	0.000000	ATAGAGGGTTATTAAGCGAGAGTTTACATTAGTTTCTTAA
Mhapla.WS247	Mhapla.WS247_Fam_202_40_1	1	40	0.000000	CAGAATTTAATATAAACATTAATAATGAAGAAGTAAAAAT
Mhapla.WS247	Mhapla.WS247_Fam_203_40_1	1	40	0.000000	AAACTTAAGTTTGGCGTTTTCTGATTTAGTAAATAATTTTA
Mhapla.WS247	Mhapla.WS247_Fam_204_40_1	1	40	0.000000	AAATTTTGAGTTATAGGGGTTTGAATTTTTTATAGGCGA
Mhapla.WS247	Mhapla.WS247_Fam_205_40_1	1	40	0.000000	CCGAGACGGCAAAGGATTTGACACATCTACTAACAAAGTAT
Mhapla.WS247	Mhapla.WS247_Fam_206_39_1	1	39	0.000000	CCTTCAGCCCATGTCCCTCCACACTACACTCCATGTTT
Mhapla.WS247	Mhapla.WS247_Fam_207_39_1	1	39	0.000000	AGGGTATTTAATAAATACCTTATTTCTGCTAATAGAAAT
Mhapla.WS247	Mhapla.WS247_Fam_208_39_1	1	39	0.000000	CCACTACAACCCCGGCTGAAGAGACTACCACACCAGCT
Mhapla.WS247	Mhapla.WS247_Fam_209_39_1	1	39	0.000000	AAAGTTTCAGAATAAGTTGGAAATTTGTGTTTTAAAGGAA
Mhapla.WS247	Mhapla.WS247_Fam_210_37_1	1	37	0.000000	TTTTCCGGAAGATTAATATTCATGTTTTTACATTTAA
Mhapla.WS247	Mhapla.WS247_Fam_211_37_1	1	37	0.000000	AAGTAAATCAGACTTCTAGACTGTCAAAATAAACTTA
Mhapla.WS247	Mhapla.WS247_Fam_212_36_1	1	36	0.000000	GCTAGGTAATAATTTTATTAAGTTAGGTATTATTAA
Mhapla.WS247	Mhapla.WS247_Fam_213_36_1	1	36	0.000000	CGTCGTAGCTGGGCTTGTAGCTCGTTTTGTAACCTT
Mhapla.WS247	Mhapla.WS247_Fam_214_35_1	1	35	0.000000	AAAAATCCAATTTACTCTAAATTTACAGTAAGTACA
Mhapla.WS247	Mhapla.WS247_Fam_215_35_1	1	35	0.000000	AAAAAAGTCCCTACTTGACTTTTATGTGAGGGGCAA
Mhapla.WS247	Mhapla.WS247_Fam_216_35_1	1	35	0.000000	TTATTTAAAAATGATTTTCAATTTACAAATTTCAAGT
Mhapla.WS247	Mhapla.WS247_Fam_217_34_1	1	34	0.000000	TTTACAAATCATATATTTCTGATTTAAATTTATAAT
Mhapla.WS247	Mhapla.WS247_Fam_218_33_1	1	33	0.000000	TATAAGCAAGTTTTAATTTAAATAGGGAACGTT
Mhapla.WS247	Mhapla.WS247_Fam_219_33_1	1	33	0.000000	CTGGTCCATCAACACCTGTCCACACAGGAACTC
Mhapla.WS247	Mhapla.WS247_Fam_220_32_1	1	32	0.000000	TTCCAACCTTCTGGAATATTTATTTTTTACAA
Mhapla.WS247	Mhapla.WS247_Fam_221_32_1	1	32	0.000000	GGGCATTAGTTATTCGAGATGGCAATAAAGGG
Mhapla.WS247	Mhapla.WS247_Fam_222_32_1	1	32	0.000000	GGGTAATTAATTTTTTCAACCTCTTGCTGGAGG

Mhapla.WS247	Mhapla.WS247_Fam_223_32_1	1	32	0.000000	AACAATTTTTCTGATTATTTTTTTTAATTTCC
Mhapla.WS247	Mhapla.WS247_Fam_224_31_1	1	31	0.000000	TAATTTGTAATTTTTGTTTTCCGGATCTTTTAA
Mhapla.WS247	Mhapla.WS247_Fam_225_31_1	1	31	0.000000	AACCGAAAACCGGGGTCAAAAATCGGACT
Mhapla.WS247	Mhapla.WS247_Fam_226_31_1	1	31	0.000000	TGATTTGTTCTGGTTGATTTCTGGTACAGTTC
Mhapla.WS247	Mhapla.WS247_Fam_227_30_1	1	30	0.000000	TTTCCGAAATCGTACAAAAATTTTTGTAC
Mhapla.WS247	Mhapla.WS247_Fam_228_30_1	1	30	0.000000	TCCGGAAAACTTAAAAGAAAATTAGATATT
Mhapla.WS247	Mhapla.WS247_Fam_229_30_1	1	30	0.000000	GATGGATTTTGAGTCGTTGGAGCTGCTGTC
Mhapla.WS247	Mhapla.WS247_Fam_230_30_1	1	30	0.000000	TAAACTTAAAATGAAGCTTATTTTCAAGTT
Mhapla.WS247	Mhapla.WS247_Fam_231_30_1	1	30	0.000000	TCCTTTAACTTCTTCTGTAGTTCCTCTTT
Mhapla.WS247	Mhapla.WS247_Fam_232_30_1	1	30	0.000000	GTTTATTTAAAATCAGAATTTGTAAATCAG
Mhapla.WS247	Mhapla.WS247_Fam_233_30_1	1	30	0.000000	AATCTGATTTCCGGAATAAGTTTATTTGA
Mhapla.WS247	Mhapla.WS247_Fam_234_30_1	1	30	0.000000	CTAGCACAGCTGGCACATCAACTGAAGCAC
Mhapla.WS247	Mhapla.WS247_Fam_235_30_1	1	30	0.000000	AATAATTTTCCGGAAGGTAAATAAATGTA
Mhapla.WS247	Mhapla.WS247_Fam_236_30_1	1	30	0.000000	AGTGGACTTAGCACCTTGGAATGGCCTT
Mhapla.WS247	Mhapla.WS247_Fam_237_30_1	1	30	0.000000	GAGGAAGATGAATCTGGGGTCAGTGAAGAC
Mhapla.WS247	Mhapla.WS247_Fam_238_29_1	1	29	0.000000	AAATACATTTCTTTCTGAAAATTTAAATA
Mhapla.WS247	Mhapla.WS247_Fam_239_29_1	1	29	0.000000	AAAAAACAGAATTTTGGGGGAAGAGAGCC
Mhapla.WS247	Mhapla.WS247_Fam_240_29_1	1	29	0.000000	ATATTTTTACAATCAAGTTTATGTTGTA
Mhapla.WS247	Mhapla.WS247_Fam_241_28_1	1	28	0.000000	TTTATAAGCCTCTATTTAATAAATACTT
Mhapla.WS247	Mhapla.WS247_Fam_242_27_1	1	27	0.000000	ATTTGGTCACTTAAGGGAATATACTC
Mhapla.WS247	Mhapla.WS247_Fam_243_27_1	1	27	0.000000	CAAAAACGCAATACCCCCAAAAATCGA
Mhapla.WS247	Mhapla.WS247_Fam_244_27_1	1	27	0.000000	AAATAAECTTGGATTCATAATTACAAT
Mhapla.WS247	Mhapla.WS247_Fam_245_27_1	1	27	0.000000	AAATCCAGCATCAGTATATGGCGCCCA
Mhapla.WS247	Mhapla.WS247_Fam_246_27_1	1	27	0.000000	TCATAATTTACTAATGATTAGTACTAA
Mhapla.WS247	Mhapla.WS247_Fam_247_27_1	1	27	0.000000	AAAATGCCAATAAGGCAAAAAACACTA
Mhapla.WS247	Mhapla.WS247_Fam_248_27_1	1	27	0.000000	AGTGCAAAAACCGTGGATTCGTCCCAT
Mhapla.WS247	Mhapla.WS247_Fam_249_26_1	1	26	0.000000	AAAATGGACAATTGCCATAAGGGTA
Mhapla.WS247	Mhapla.WS247_Fam_250_26_1	1	26	0.000000	AAACAAGTTTATTTATTCAAAAAGAC
Mhapla.WS247	Mhapla.WS247_Fam_251_26_1	1	26	0.000000	TCTACAGTATTGCTATCCCTTTCTTT
Mhapla.WS247	Mhapla.WS247_Fam_252_26_1	1	26	0.000000	ATTTCCGCATAAAGAACAAAATTTAC
Mhapla.WS247	Mhapla.WS247_Fam_253_25_1	1	25	0.000000	TAAAAGAATTGGACAATCCCTTGTA
Mhapla.WS247	Mhapla.WS247_Fam_254_25_1	1	25	0.000000	TTTCCACAAGTTCAACAAGTTCCGGT
Mhapla.WS247	Mhapla.WS247_Fam_255_24_1	1	24	0.000000	ATCCAAGTTTAATATATATTATTC
Mhapla.WS247	Mhapla.WS247_Fam_256_24_1	1	24	0.000000	CCAGGGCTCCCAAGATAAAGCAT
Mhapla.WS247	Mhapla.WS247_Fam_257_24_1	1	24	0.000000	GCGGAGGAGGAGGCGGATGCAGCA
Mhapla.WS247	Mhapla.WS247_Fam_258_23_1	1	23	0.000000	GAGAACCGAGGTCACCATATTTT
Mhapla.WS247	Mhapla.WS247_Fam_259_23_1	1	23	0.000000	AATTCGGAAAGAATTTAATATA
Mhapla.WS247	Mhapla.WS247_Fam_260_23_1	1	23	0.000000	GGAATATTTACGAAAAGTTTTC
Mhapla.WS247	Mhapla.WS247_Fam_261_22_1	1	22	0.000000	AAATAAAATTTAGAGTTCCGA
Mhapla.WS247	Mhapla.WS247_Fam_262_22_1	1	22	0.000000	TTTAAACTTAATAAATTTAAAG
Mhapla.WS247	Mhapla.WS247_Fam_263_22_1	1	22	0.000000	CCAGGTTTTTTGTCGCAAAATTG
Mhapla.WS247	Mhapla.WS247_Fam_264_21_1	1	21	0.000000	CAAATGTAAACCTTAGATTA
Mhapla.WS247	Mhapla.WS247_Fam_265_21_1	1	21	0.000000	ACCAGAAGTGGTGAAGCCCA
Mhapla.WS247	Mhapla.WS247_Fam_266_21_1	1	21	0.000000	CCTCCGCATCCACCACCGCCG
Mhapla.WS247	Mhapla.WS247_Fam_267_21_1	1	21	0.000000	AATTTGTA AAAAGTTTCCAT
Mhapla.WS247	Mhapla.WS247_Fam_268_21_1	1	21	0.000000	AAATTTGTTGCCTAAATTTGCT
Mhapla.WS247	Mhapla.WS247_Fam_269_21_1	1	21	0.000000	AGACTCAAGTGACCTTAGATC
Mhapla.WS247	Mhapla.WS247_Fam_270_21_1	1	21	0.000000	AATAATATACAGATGATATAC
Mhapla.WS247	Mhapla.WS247_Fam_271_20_1	1	20	0.000000	AATTTGTA AACATGCGGGAA
Mhapla.WS247	Mhapla.WS247_Fam_272_20_1	1	20	0.000000	TACTCTTATGACTTGATATC
Mhapla.WS247	Mhapla.WS247_Fam_273_20_1	1	20	0.000000	TATTTTACTGTAAGAGAAAA
Mhapla.WS247	Mhapla.WS247_Fam_274_19_1	1	19	0.000000	CCATCCCAAATTAGGAGTT
Mhapla.WS247	Mhapla.WS247_Fam_275_19_1	1	19	0.000000	CCGTTCCATTTTAGGGCAA
Mhapla.WS247	Mhapla.WS247_Fam_276_19_1	1	19	0.000000	TTTTATTATTCGTGCGCTC
Mhapla.WS247	Mhapla.WS247_Fam_277_18_1	1	18	0.000000	AATACAAGCCCAATCCCC
Mhapla.WS247	Mhapla.WS247_Fam_278_18_1	1	18	0.000000	GTTGGTGTTCCTTGGTGT
Mhapla.WS247	Mhapla.WS247_Fam_279_18_1	1	18	0.000000	TATCTCACTTAATTTTAT

Mhapla.WS247	Mhapla.WS247_Fam_280_17_1	1	17	0.000000	AAGAGCAAAAAGGCGG
Mhapla.WS247	Mhapla.WS247_Fam_281_17_1	1	17	0.000000	TTTGAGGGGATAAATAC
Mhapla.WS247	Mhapla.WS247_Fam_282_16_1	1	16	0.000000	TTTCCCAGAAATCCCG
Mhapla.WS247	Mhapla.WS247_Fam_283_16_1	1	16	0.000000	TGTTCCCTTCCACACTT
Mhapla.WS247	Mhapla.WS247_Fam_284_16_1	1	16	0.000000	TTGGATGTTTTGTAT
Mhapla.WS247	Mhapla.WS247_Fam_285_16_1	1	16	0.000000	CTTCAATTTTTCTTTG
Mhapla.WS247	Mhapla.WS247_Fam_286_15_1	1	15	0.000000	CAAAGTGGGCTGCGT
Mhapla.WS247	Mhapla.WS247_Fam_287_15_1	1	15	0.000000	CGCCTAGTTGTCTCG
Mhapla.WS247	Mhapla.WS247_Fam_288_15_1	1	15	0.000000	AAAGCGCAGTGAAG
Mhapla.WS247	Mhapla.WS247_Fam_289_15_1	1	15	0.000000	CCAACCTACCGCTGC
Mhapla.WS247	Mhapla.WS247_Fam_290_15_1	1	15	0.000000	AATTTTAACTCAAAT
Mhapla.WS247	Mhapla.WS247_Fam_291_15_1	1	15	0.000000	GACTTTTGAGGATCC
Mhapla.WS247	Mhapla.WS247_Fam_292_15_1	1	15	0.000000	TCGACTTTTTTATTA
Mhapla.WS247	Mhapla.WS247_Fam_293_14_1	1	14	0.000000	GCCAACTGAGTGTT
Mhapla.WS247	Mhapla.WS247_Fam_294_14_1	1	14	0.000000	ATTTACAATTTGTA
Mhapla.WS247	Mhapla.WS247_Fam_295_14_1	1	14	0.000000	TATATAGGTAGTAA
Mhapla.WS247	Mhapla.WS247_Fam_296_14_1	1	14	0.000000	ACTAGAGCGCTCCC
Mhapla.WS247	Mhapla.WS247_Fam_297_13_1	1	13	0.000000	TTTACATCGTACT
Mhapla.WS247	Mhapla.WS247_Fam_298_13_1	1	13	0.000000	TAACTCCCTCATA
Mhapla.WS247	Mhapla.WS247_Fam_299_13_1	1	13	0.000000	AATTTTGGCATT
Mhapla.WS247	Mhapla.WS247_Fam_300_11_1	1	11	0.000000	TTACTTCGAAT
Mhapla.WS247	Mhapla.WS247_Fam_301_11_1	1	11	0.000000	AATCGATAAAA
Mhapla.WS247	Mhapla.WS247_Fam_302_11_1	1	11	0.000000	CAGAATATAAC
Mhapla.WS247	Mhapla.WS247_Fam_303_10_1	1	10	0.000000	TTTTTCGGAA
Mhapla.WS247	Mhapla.WS247_Fam_304_10_1	1	10	0.000000	GCAAATATTT