Additional file 2: Alignment of the *T. vaginalis* actin gene nucleotide sequences retrieved from GenBank and those of from our clinical *T. vaginalis* isolates

	CAGACACTC	GTTATCG	ΑΤΑΑСGG	стстббта	GTGCAA	GGCcGGc	ттстс	GGCGA	TGAAG	ССССАС	GCTCtG	гтттссс	ATCCGTTC	GT t G G C C G T C C A A
	12 4 6 8	10 12 14 16	18 20 22 24	4 26 28 30 3	2 34 36 38	40 42 44	46 48 50	52 54 56	58 60 6	2 64 66 6	8 70 72 7	4 76 78 80	82 84 86 8	3 90 92 94 96 98 100
MF350332_typeE	CAGACACTC					GGCCGGC	TTCTC	GGCGA	TGAAG					TTGGCCGTCCAA
MF350328 typeE	CAGACACTC	GTTATCG	ATAACGGC	тстббта	GTGCAA	GGCCGGC	ттстс	T G G C G A '	TGAAGO	CCCAC	зстств	гтттссс	АТСССТТС	T T G G C C G T C C A A
MF350322_typeE	CAGACACTC			тстббта										TTGGCCGTCCAA
MF350323_typeE	CAGACACTC	GTTATCG	ATAACGGC	тстббта	GTGCAA	GGCCGGC	ттстс	T G G C G A '	TGAAGO	CCCAC	зстств	гтттссс	АТСССТТС	T T G G C C G T C C A A
MF350324 typeE	CAGACACTC	G T T A T C G	ATAACGGC	тстббта	БТ Б С А А	GGCCGGC	ттстс	TGGCGA	TGAAGO	CCCAC	зстств	гтттссс	а т с с <mark>с</mark> т т с	T T G G C C G T C C A A
MF350336 typeE	CAGACACTC	GTTATCG	ATAACGGC	тстббта.	БТ Б С А А	GGCCGGC	ттстс	T G G C G A '	TGAAGO	CCCAC	зстств	гтттссс	АТСССТТС	T T G G C C G T C C A A
MF350330_typeE	CAGACACTC	GTTATCG	ATAACGGC	стстббта:	GTGCAA	GGCCGGC	ттстс	TGGCGA	TGAAGO	CCCAC	зстств	гттт <mark>ссс</mark>	ΑΤϹϹGΤΤΟ	T T G G C C G T C C A A
MF350339_typeE	CAGACACTC	G T T A T C G	ATAACGGC	тстббта	GTGCAA	GGCCGGC	ттстс	TGGCGA	TGAAGO	CCCAC	зстств	гттт <mark>ссс</mark>	а т с с <mark>с</mark> т т с	, Т Т <u>G G C C G T C C A A</u>
MF350340_typeE	CAGACACTC	GTTATCG	ATAACGGC	СТСТББТА	GTGCAA	GGCCGGC	ттстс	TGGCGA	TGAAGO	CCCAC	зстств	гттт <mark>ссс</mark>	ΑΤϹϹ <mark>G</mark> ΤΤΟ	T T G G C C G T C C A A
MF350341_typeE	CAGACACTC	GTTATCG	ATAACGGC	СТСТББТА	GTGCAA	GGCCGGC	ттстс	TGGCGA	TGAAGO	CCCAC	G С Т С Т G ⁻	гттт <mark>ссс</mark>	ΑΤϹϹ <mark>G</mark> ΤΤΟ	G T T G G C C G T C C A A
MF350342_typeE	CAGACACTC	GTTATCG	ATAACGGC	ТСТББТА	GTGCAA	GGCCGGC	ттстс	T G G C G A '	TGAAGO	CCCCAC	G С Т С Т G ⁻	гтттссс	ΑΤϹϹGΤΤΟ	G T T G G C C G T C C A A
KP400515_typeE	CAGACACTC	G T T A T C G	ATAACGGC	стстббта	GTGCAA	GGCCGGC	ттстс	TGGCGA	TGAAGO	ссссас	а с т с т <u>с</u> т	гттт <mark>ссс</mark>	ΑΤϹϹ <mark>G</mark> ΤΤΟ	T T G G C C G T C C A A
KP400516_typeE	CAGACACTC	G T T A T C G	ATAACGGC	стстббта:	GTGCAA	GGCCGGC	TTCTC	T G G C G A '	TGAAGO	ССССАС	G С Т С Т G ⁻	гттт <mark>ссс</mark>	ΑΤϹϹ <mark>G</mark> ΤΤΟ	G T T G G C C G T C C A A
KF747375_typeE	CAGACACTC	GTTATCG	ATAACGGC	ТСТССТА	GTGCAA	GGCCGGC	TTCTC	TGGCGA	ΤGΑΑG	ССССАС	G С Т С Т G ⁻	гттт <mark>ссс</mark>	ΑΤϹϹGΤΤΟ	T T G G C C G T C C A A
KX452109_typeE	CAGACACTC	GTTATCG	ATAACGGC	СТСТССТА ТА	GTGCAA	GGCCGGC	TTCTC	TGGCGA	TGAAGO	ССССАС	G С Т С Т G ⁻	гттт <mark>ссс</mark>	A T C C G T T C	T T G G C C G T C C A A
KX452110_typeE	CAGACACTC	GTTATCG		C T C T G G T A T										T T G G C C G T C C A A
EU076580_typeE	CAGACACTC	GTTATCG	ATAACGGC	C T C T G G T A T	GTGCAA	GGCCGGC	TTCTC	TGGCGA	TGAAGO	ССССАС	GCTCTG	гттт <mark>ссс</mark>	A T C C G T T C	T T G G C C G T C C A A
KX452111_typeE	CAGACACTC			Τ C T G G T A										T T G G C C G T C C A A
EU076582_typeE	CAGACACTC	GTTATCG												T T G G C C G T C C A A
KF747376_typeE	CAGACACTC			C T C T G G T A ⁻										G T T G G C C G T C C A A
KX452108_typeE	CAGACACTC			C T C T G G T A ⁻										G T T G G C C G T C C A A
EU076584_typeN	CAGACACTC	GTTATCG		C T C T G G T A T									A T C C G T T C	
MF350331_typeN		GTTATCG		C T C T G G T A ⁻										G T T G G C C G T C C A A
MF350334_typeN		GTTATCG												G T T G G C C G T C C A A
MF350325_typeN	CAGACACTC	GTTATCG		C T C T G G T A ⁻										T T G G C C G T C C A A
MF350337_typeN	CAGACACTC													G T T G G C C G T C C A A
MF350326_typeN	CAGACACTC			TCTGGTA										G T T G G C C G T C C A A
MF350327_typeN														TTGGCCGCCCAA
MF350329_typeG	CAGACACTC			ТСТББТА										TTGGCCGTCCAA
MF350333_typeG	CAGACACTC			TCTGGTA										TTGGCCGTCCAA
MF350343_typeG	CAGACACTC			TCTGGTA										TTGGCCGTCCAA
KF747377_typeG	CAGACACTC			TCTGGTA										TTGGCCGTCCAA
EU076578_typeG	CAGACACTC	GITAICG		C T C T G G T A '										T T G G C C G T C C A A
XM_001301892_type	4 CAGACACTC	GITAICG		C T C T G G T A T										TCGGCCGTCCAA
EU076579_typeH	CAGACACIC	GTTATCG		CTCTGGTA										T T G G C C G T C C A A
KP400513_typeH	CAGACACTC			C T C T G G T A T										T T G G C C G T C C A A
EU076581_typeH EU076585 typeI														Т Т <u>G G C C G</u> Т С С А А Т Т <u>G G C C G T C C A A</u>
	CAGACACTC			T C T G G T A T										
MF350335_typeI	CAGACACTC	G T T A T C G												T T G G C C G T C C A A T T G G C C G T C C A A
MF350338_typeP	CAGACACIC	GTTATCG		C T C T G G T A C										
KP400514_typeP EU076586_typeP														Т Т <u>G G C C G </u> Т С С А А Т Т <u>G G C C G C C C A A</u>
EU076586_typeP EU076583 typeM														TTGGCCGTCCAA
20070385_typem	CAGACACIC	O TAICO		CIGGIA	O O C A A			O O C O A						I GGCCGICCAA

	AgTACAAACAACAATTA	GTTGGTGGCAAcGCcAA	GGAtGTcTTCGTc	GGTGATGAAGCtTG	CTCCAAGGCTGGTGTCCTCA	T C C T c A A G T A C C C A A T T G A
	101 104 106 108 110 112 114 116 1			100 102 101 100 100 100	162 164 166 168 170 172 174 176 178 180	182 184 186 188 190 192 194 196 198 200
MF350332_typeE	A G T A C A A A C A A C A A T T A				C T C C A A G G C T G G T G T C C T C A	
MF350328_typeE					C T C C A A G G C T G G T G T C C T C A	
MF350322_typeE					C T C C A A G G C T G G T G T C C T C A	
MF350323_typeE					C T C C A A G G C T G G T G T C C T C A	T C C T C A A G T A C C C A A T T G A
MF350324_typeE	AGTACAAACAACAATTA				CTCCAAGGCTGGTGTCCTCA	I C C I C A A G I A C C C A A I I G A
MF350336_typeE MF350330_typeE	AGTACAAACAACAATTA			G G T G A T G A A G C T T G	C T C C A A G G C T G G T G T C C T C A	TCCTCAAGTACCCAATTGA
MF350330_typeE MF350339_typeE	A G T A C A A A C A A C A A T T A			G G T G A T G A A G C T T G		T C C T C A A G T A C C C A A T T G A
MF350339_LypeE MF350340_typeE		G T T G G T G G C A A C G C C A A		GGTGATGAAGCTTG		TCCTCAAGTACCCAATTGA
MF350340_typeE MF350341_typeE	AGTACAAACAACAATTA				C T C C A A G G C T G G T G T C C T C A	TCCTCAAGTACCCAATTGA
MF350342_typeE MF350342_typeE	AGTACAAACAACAATTA	G T T G G T G G C A A C G C C A A		GGTGATGAAGCTTG		TCCTCAAGTACCCCAATTGA
KP400515_typeE	AGTACAAACAACAATTA				CTCCAAGGCTGGTGTCCTCA	TCCTCAAGTACCCAATTGA
KP400516 typeE	AGTACAAACAACAATTA				CTCCAAGGCTGGTGTCCTCA	TCCTCAAGTACCCAATTGA
KF747375 typeE	AGTACAAACAACAATTA				CTCCAAGGCTGGTGTCCTCA	TCCTCAAGTACCCAATTGA
KX452109 typeE	AGTACAAACAACAATTA	GTTGGTGGCAACGCCAA	GGATGTCTTCGTC	GGTGATGAAGCTTG	CTCCAAGGCTGGTGTCCTCA	TCCTCAAGTACCCAATTGA
KX452110 typeE	AGTACAAACAACAATTA	GTTGGTGGCAACGCCAA	GGATGTCTTCGTC	GGTGATGAAGCTTG	CTCCAAGGCTGGTGTCCTCA	TCCTCAAGTACCCAATTGA
EU076580_typeE	Α G Τ Α C Α Α A C Α Α C Α Α Τ Τ Α	GTTGGTGGCAACGCCAA	G G A T G T C T T C G T C	G G T G A T G A A G C T T G	CTCCAAGGCTGGTGTCCTCA	Т С С Т С А А G Т А С С С А А Т Т G А
KX452111_typeE	А G T A C A A A C A A C A A T T A	GTTGGTGGCAACGCCAA	G G A T G T C T T C G T C	G G T G A T G A A G C T T G	C T C C A A G G C T G G T G T C C T C A	тсстсаа дта сссаатт да
EU076582_typeE	A G T A C A A A C A A C A A T T A	G T T G G T G G C A A C G C C A A	G G A T G T C T T C G T C	G G T G A T G A A G C T T G	C T C C A A G G C T G G T G T C C T C A	Т С С Т С А А G Т А С С С А А Т Т G А
KF747376_typeE	A G T A C A A A C A A C A A T T A F	G T T G G T G G C A A C G C C A A	GGATGTCTTCGTC	GGTGATGAAGCTTG	C T C C A A G G C T G G T G T C C T C A	Τ C C T C A A G T A C C C A A T T G A
KX452108_typeE	A G T A C A A A C A A C A A T T A	GTTGGTGGCAACGCCAA	G G A T G T C T T C G T C	G G T G A T G A A G C T T G	C T C C A A G G C T G G T G T C C T C A	T C C T C A A G T A C C C A A T T G A
EU076584_typeN	A G T A C A A A C A A C A A T T A	G T T G G T G G C A A C G C C A A	G G A T G T C T T C G T C	G G T G A T G A A G C T T G	C T C C A A G G C T G G T G T C C T C A	T C C T T A A G T A C C C A A T T G A
MF350331_typeN	A G T A C A A A C A A C A A T T A	G T T G G T G G C A A C G C C A A	G G A T G T C T T C G T C	G G T G A T G A A G C T T G	C T C C A A G G C T G G T G T C C T C A	T C C T T A A G T A C C C A A T T G A
MF350334_typeN	AGTACAAACAACAATTA			G G T G A T G A A G C T T G		T C C T T A A G T A C C C A A T T G A
MF350325_typeN	AGTACAAACAACAATTA			G G T G A T G A A G C T T G		T C C T T A A G T A C C C A A T T G A
MF350337_typeN	A G T A C A A A C A A C A A T T A				C T C C A A G G C T G G T G T C C T C A	T C C T T A A G T A C C C A A T T G A
MF350326_typeN	AGTACAAACAACAATTA			G G T G A T G A A G C T T G		T C C T T A A G T A C C C A A T T G A
MF350327_typeN	AGTACAAACAACAATTA			GGTGATGAAGCTTG		T C C T T A A G T A C C C A A T T G A
MF350329_typeG	AATACAAACAACAATTA				CTCCAAGGCTGGTGTCCTCA	TCCTCAAGTACCCAATTGA
MF350333_typeG	AATACAAACAACAATTA				CTCCAAGGCTGGTGTCCTCA	I C C I C A A G I A C C C A A I I G A
MF350343_typeG	A A T A C A A A C A A C A A T T A				C T C C A A G G C T G G T G T C C T C A C T C C A A G G C T G G T G T C C T C A	TCCTCAAGIACCCAATIGA
KF747377_typeG EU076578 typeG	A A T A C A A A C A A C A A T T A					TOCTCAAGIACCCAATIGA
	A A T A C A A A C A A C A A T T A				C T C C A A G G C T G G T G T C C T C A C T C C A A G G C T G G T G T C C T C A	T C C T C A A G T A C C C A A T T G A
EU076579_typeH					C T C C A A G G C T G G T G T C C T C A	
KP400513 typeH	AGTACAAACAACAATTA				CTCCAAGGCTGGTGTCCTCA	
EU076581_typeH					C T C C A A G G C T G G T G T C C T C A	TCCTCAAGTACCCAATTGA
EU076585 typeI	AATACAAACAACAATTA				C T C C A A G G C T G G T G T C C T C A	TCCTCAAGTACCCAATTGA
MF350335_typeI	AATACAAACAACAATTA				C T C C A A G G C T G G T G T C C T C A	TCCTCAAGTACCCAATTGA
MF350338 typeP	AGTACAAACAACAATTA			GGTGATGAAGCTTG		TCCTCAAGTACCCAATTGA
KP400514_typeP					CTCCAAGGCTGGTGTCCTCA	TCCTCAAGTACCCAATTGA
EU076586_typeP					CTCCAAGGCTGGTGTCCTCA	T C C T C A A G T A C C C A A T T G A
EU076583 typeM					C T C C A A G G C T G G T G T C C T C A	
,p						

	ACACGGTA	TIGICAAC	ACTGGG	ATGATA		GATCIGG	ACCACAC	ATTCTA	CAACGAAC	ттсетет	TGACCCAAC	AGAGCACCCA	GITCITCIT
												282 284 286 288 290	
MF350332_typeE		TTGTCAAC										AGAGCACCCA	
MF350328 typeE	ACACGGTA					GATCTGGC			CAACGAAC	ттсстст		AGAGCACCCA	GTTCTTCTT
MF350322_typeE	ACACGGTA		ACTGGG	ATGATA	TGGAAAA	GATCTGGC	ACCACAC	ATTCTA	CAACGAAC	ттсстст	TGACCCAAC	AGAGCACCCA	GTTCTTCTT
MF350323 typeE	ACACGGTA		ACTGGG	ATGATA	TGGAAAA	GATCTGGC	ACCACAC	ATTCTA	CAACGAAC	ттсстст	TGACCCAAC	AGAGCACCCA	GTTCTTCTT
MF350324 typeE	ACACGGTA		ACTGGG	ATGATA	TGGAAAA	GATCTGGC	ACCACAC	АТТСТА	CAACGAAC	ттсстст	TGACCCAAC	AGAGCACCCA	GTTCTTCTT
MF350336_typeE	ACACGGTA	TTGTCAAC	ACTGGG	ATGATA	TGGAAAA	GATCTGGC	ACCACAC	АТТСТА	CAACGAAC	ттсстст	TGACCCAAC	AGAGCACCCA	GTTCTTCTT
MF350330 typeE	ACACGGTA	TTGTCAAC	ACTGGG	ΑΤ <mark>Γ</mark> ΑΤΑ	ТССАААА	GATCTGGC	ACCACAC	АТТСТА	CAACGAAC	ттсстст	Т G A C C C A A C	AGAGCACCCA	<mark>. G T T C T T C T T</mark>
MF350339_typeE	ACACGGTA	TTGTCAAC	ACTGGG	ATGATA	TGGAAAA	GATCTGGC	ACCACAC	АТТСТА	CAACGAAC	ттсстст	TGACCCAAC	AGAGCACCCA	GTTCTTCTT
MF350340 typeE	ACACGGTA	TTGTCAAC	ACTGGG	ΑΤ <mark>Γ</mark> ΑΤΑ	ТССАААА	GATCTGGC	ACCACAC	АТТСТА	CAACGAAC	ттсстст	Т G A C C C A A C	AGAGCACCCA	<mark>. G T T C T T C T T</mark>
MF350341_typeE	ACACGGTA	TTGTCAAC	ACTGGG	ΑΤ <mark>Γ</mark> ΑΤΑ	ΤGGAAAA	GATCTGGC	ACCACAC	АТТСТА	CAACGAAC	ттсстст	Т G A C C C A A C	AGAGCACCCA	. <mark>G T T C T T C</mark> T T
MF350342_typeE	ACACGGTA	TTGTCAAC	ACTGGG	ΑΤ <mark>Γ</mark> ΑΤΑ	ΤGGAAAA	GATCTGGC	ACCACAC	ΑΤΤΟΤΑ	CAACGAAC	ттсстст	Т G A C C C A A C	AGAGCACCCA	. <mark>G T T C T T C T T</mark>
KP400515_typeE	ACACGGTA	TTGTCAAC	ACTGGG	ΑΤ <mark>Γ</mark> ΑΤΑ	ΤGGAAAA	GATCTGGC	ACCACAC	ΑΤΤΟΤΑ	CAACGAAC	ттсстст	Т G A C C C A A C	AGAGCACCCA	. <mark>G T T C T T C</mark> T T
KP400516_typeE	ACACGGTA	TTGTCAAC	ACTGGG	ΑΤ <mark>Γ</mark> ΑΤΑ	TGGAAAA	GATCTGGC	ACCACAC	ΑΤΤΟΤΑ	CAACGAAC	ттсстст	TGACCCAAC	AGAGCACCCA	. <mark>G T T C T T C T T</mark>
KF747375_typeE	ACACGGTA	TTGTCAAC	ACTGGG	ΑΤ <mark>Γ</mark> ΑΤΑ	ΤGGAAAA	GATCTGGC	ACCACAC	ΑΤΤΟΤΑ	CAACGAAC	ттсстст	Т G A C C C A A C	AGAGCACCCA	. <mark>G T T C T T C</mark> T T
KX452109_typeE	ACACGGTA	TTGTCAAC	ACTGGG	ΑΤ <mark>Γ</mark> ΑΤΑ	ΤGGAAAA	GATCTGGC	ACCACAC	ΑΤΤΟΤΑ	CAACGAAC	ттсстст	Т G A C C C A A C	AGAGCACCCA	. <mark>G T T C T T C</mark> T T
KX452110_typeE	ACACGGTA	TTGTCAAC	ACTGGG	ΑΤ <mark>Γ</mark> ΑΤΑ	ΤΓΟΑΑΑΑ	GATCTGGC	ACCACAC	ΑΤΤΟΤΑ	CAACGAAC	ттсстст	Т G A C C C A A C	AGAGCACCCA	. <mark>G T T C T T C</mark> T T
EU076580_typeE	ACACGGTA	TTGTCAAC	A C T G G G	ΑΤ <mark>Γ</mark> ΑΤΑ	Τ G G A A A A	GATCTGGC	АССАСАС	ΑΤΤ C ΤΑ	CAACGAAC	ттсстст	Т G A C C C A A C	AGAGCACCCA	. <mark>G T T C T T C</mark> T T
KX452111_typeE	ACACGGTA	TTGTCAAC	A C T G G G	ΑΤ <mark>Γ</mark> ΑΤΑ	ΤΓΟΑΑΑΑ	GATCTGGC	АССАСАС	ΑΤΤΟΤΑ	CAACGAAC	ТТССТСТ	TGACCCAAC	AGAGCACCCA	. <mark>G T T C T T C</mark> T T
EU076582_typeE	ACACGGTA	TTGTCAAC	ACTGGG	ΑΤ <mark>Γ</mark> ΑΤΑ	ΤΓΟΑΑΑΑ	GATCTGGC	ACCACAC	ΑΤΤΟΤΑ	CAACGAAC	ттсстст	Т G A C C C A A C	AGAGCACCCA	. <mark>G T T C T T C</mark> T T
KF747376_typeE	ACACGGTA	TTGTCAAC	A C T G G G	ΑΤ <mark>Γ</mark> ΑΤΑ	ΤΓΟΑΑΑΑ	GATCTGGC	АССАСАС	ΑΤΤΟΤΑ	CAACGAAC	ТТССТСТ	TGACCCAAC	AGAGCACCCA	. <mark>G T T C T T C</mark> T T
KX452108_typeE	ACACGGTA	TTGTCAAC	A C T G G G	A T <mark>G</mark> A T A	ΤΓΟΑΑΑΑ	GATCTGGC	АССАСАС	ATTCTA	CAACGAAC	ТТССТСТ	TGACCCAAC	AGAGCACCCA	. <mark>G T T C T T C</mark> T T
EU076584_typeN	ACACGGTA	TCGTCAAC	A C T G G G	ΑΤ <mark>Γ</mark> ΑΤΑ	ΤGGAAAA	GATCTGGC	ACCACAC	ΑΤΤΤΤΑ	CAACGAAC	ТТССТСТ	TGACCCAAC	AGAGCACCCA	G T T C T T C T T
MF350331_typeN	ACACGGTA	TCGTCAAC	A C T G G G	ΑΤ <mark>Γ</mark> ΑΤΑ	T G G A A A A	GATCTGGC		ΑΤΤΤΤΑ	CAACGAAC	ттсстст	TGACCCAAC	AGAGCACCCA	GTTCTTCTT
MF350334_typeN	ACACGGTA	TCGTCAAC	A C T G G G	ΑΤ <mark>Γ</mark> ΑΤΑ	ΤΓΟΑΑΑΑ	GATCTGGC	АССАСАС	ΑΤΤΤΤΑ	CAACGAAC	ТТССТСТ	TGACCCAAC	AGAGCACCCA	. <mark>G T T C T T C</mark> T T
MF350325_typeN	ACACGGTA		A C T G G G		ΤΓΓΑΑΑΑΑ	GATCTGGC	АССАСАС	/ · · · · /	CAACGAAC	ттсстст	TGACCCAAC	AGAGCACCCA	GTTCTTCTT
MF350337_typeN	ACACGGTA				T G G A A A A		АССАСАС		CAACGAAC	ттсстст	TGACCCAAC	AGAGCACCCA	GTTCTTCTT
MF350326_typeN	ACACGGTA	TCGTCAAC	A C T G G G	ΑΤ <mark>Γ</mark> ΑΤΑ	ΤΓΓΑΑΑΑΑ	GATCTGGC	АССАСАС	ΑΤΤΤΤΑ	CAACGAAC	ттсстст	TGACCCAAC	AGAGCACCCA	GTTCTTCTT
MF350327_typeN	ACACGGTA				T G G A A A A			ΑΤΤΤΑ	CAACGAAC	ттсстст	TGACCCAAC	AGAGCACCCA	GTTCTTCTT
MF350329_typeG	ACACGGTA				T G G A A A A			ATTCTA	CAACGAAC	TTCGTGT	TGACCCAAC	AGAGCACCCA	GTTCTTCTT
MF350333_typeG		TCGTCAAC									TGACCCAAC	AGAGCACCCA	
MF350343_typeG		TCGTCAAC				GATCTGGC			CAACGAAC		TGACCCAAC	AGAGCACCCA	
KF747377_typeG		TCGTCAAC				GATCTGGC			CAACGAAC		TGACCCAAC	AGAGCACCCA	
EU076578_typeG	ACACGGTA					GATCTGGC			CAACGAAC		TGACCCAAC	AGAGCACCCA	
XM_001301892_typeF									CAACGAAC			AGAGCACCCA	
EU076579_typeH		TTGTCAAC							CAACGAAC	ттсстст		AGAGCACCCA	GTTCTTCTT
KP400513_typeH	ACACGGTA		A C T G G G			GATCTGGC		ATTCTA	CAACGAAC	TTCGTGT	TGACCCAAC	AGAGCACCCA	GTTCTTCTT
EU076581_typeH	ACACGGTA		ACTGGG		TGGAAAA			ATTCTA	CAACGAAC	TTCGTGT	TGACCCAAC	AGAGCACCCA	GTTCTTCTT
EU076585_typeI	A C A C G G T A		A C T G G G		T G G A A A A			ATTCTA	CAACGAAC	TTCGTGT	TGACCCAAC	AGAGCACCCA	GTTCTTCTT
MF350335_typeI	ACACGGTA		A C T G G G		TGGAAAA		ACCACAC	ATTCTA	CAACGAAC	TTCGTGT	TGACCCAAC	AGAGCACCCA	GTTCTTCTT
MF350338_typeP	ACACGGTA		ACTGGG			GATCTGGC			CAACGAAC	TTCGTGT	TGACCCAAC	AGAGCACCCA	GITCTTCTT
KP400514_typeP	ACACGGTA								CAACGAAC			AGAGCACCCA	
EU076586_typeP	ACACGGTA											AGAGCACCCA	
EU076583_typeM	ACACGGTA	ICGICAAC	ACIGGG	AIGATA	I G G A A A A	GAICIGGO	ACCACAC	ATITA	CAACGAAC	TICGIGT	IGACCCAAC	AGAGCACCCA	GIICIICIT

	A C A G A A G C C C A A T C C A A A G G C T A A C G T G A G A A A T G A T C T C C C T C A T G T C G A C A C T T C A A G G C C C T C T A T G T C G G C A T C C A G	GCTG
	301 304 306 308 310 312 314 316 318 320 322 324 326 328 330 332 334 336 338 340 342 344 346 348 350 352 354 356 358 360 362 364 366 368 370 372 374 376 378 380 382 384 386 388 390 392 394 396	6 398 400
MF350332_typeE	A CAGAAGCCCCACTTAACCCAAAGCCTAACCGTGAGAAAATGATCTCCCTCATGTTCGACACATTCAACGCCCCATCCTTCTATGTCGGCATCCAG	GCTG
MF350328 typeE	A C A G A A G C C C A C T T A A C C C A A A G G C T A A C C G T G A G A A A A T G A T C T C C C T C A T G T T C G A C A C A T T C A A C G C C C C A T C C T C T A T G T C G G C A T C C A G	GCTG
MF350322_typeE	A C A G A A G C C C A C T T A A C C C A A A G G C T A A C C G T G A G A A A A T G A T C T C C C T C A T G T T C G A C A C A T T C A A C G C C C C A T C C T C T A T G T C G G C A T C C A G	GCTG
MF350323_typeE	A C A G A A G C C C A C T T A A C C C A A A G G C T A A C C G T G A G A A A T G A T C T C C C T C A T G T T C G A C A T T C A A C G C C C C A T C C T C T A T G T C G G C A T C C A G	GCTG
MF350324_typeE	A C A G A A G C C C A C T T A A C C C A A A G G C T A A C C G T G A G A A A T G A T C T C C C T C A T G T T C G A C A T T C A A C G C C C C A T C C T C T A T G T C G G C A T C C A G	GCTG
MF350336_typeE	A C A G A A G C C C C A C T T A A C C C A A A G G C T A A C C G T G A G A A A T G A T C T C C C T C A T G T C C G A C A C A T C C A A C G C C C C A T C C T C T A T G T C G G C A T C C A G	GCTG
MF350330_typeE	A C A G A A G C C C A C T T A A C C C A A A G G C T A A C C G T G A G A A A T G A T C T C C C T C A T G T T C G A C A T T C A A C G C C C C A T C C T C T A T G T C G G C A T C C A G	GCTG
MF350339_typeE	A C A G A A G C C C A C T T A A C C C A A A G G C T A A C C G T G A G A A A T G A T C T C C C T C A T G T T C G A C A T T C A A C G C C C C A T C C T C T A T G T C G G C A T C C A G	GCTG
MF350340_typeE	A C A G A A G C C C C A C T T A A C C C A A A G G C T A A C C G T G A G A A A T G A T C T C C C T C A T G T C C G A C A C A C A C C C C A T C C T C T A T G T C G G C A T C C A G A C A C A C A C A C A C A C A C	GCTG
MF350341_typeE	A C A G A A G C C C C A C T T A A C C C A A A G G C T A A C C G T G A G A A A T G A T C T C C C T C A T G T C C G A C A C A T C A A C G C C C C A T C C T C T A T G T C G G C A T C C A G	GCTG
MF350342_typeE	A C A G A A G C C C C A C T T A A C C C A A A G G C T A A C C G T G A G A A A T G A T C T C C C T C A T G T C C G A C A C A C C C C A T C C T C T A T G T C G G C A T C C A G A C A C A C A C A C A C A C A C	GCTG
KP400515_typeE	A C A G A A G C C C C A C T T A A C C C A A A G G C T A A C C G T G A G A A A T G A T C T C C C T C A T G T T C G A C A T T C A A C G C C C C A T C C T C T C T A T G T C G G C A T C C A G	GCTG
KP400516_typeE	A C A G A A G C C C C A C T T A A C C C A A A G G C T A A C C G T G A G A A A T G A T C T C C C T C A T G T T C G A C A C A T C A A C G C C C C A T C C T C T A T G T C G G C A T C C A G	GCTG
KF747375_typeE	A C A G A A G C C C C A C T T A A C C C A A A G G C T A A C C G T G A G A A A T G A T C T C C C T C A T G T T C G A C A C A T T C A A C G C C C C A T C C T C T A T G T C G G C A T C C A T	GCTG
KX452109_typeE	A C A G A A G C C C C A C T T A A C C C A A A G G C T A A C C G T G A G A A A T G A T C T C C C T C A T G T T C G A C A C A T T C A A C G C C C C A T C C T T C T A T G T C G G C A T C C C A T C C A T C C A T C C A T C C A T C C A T C C A T C A T C C A T	GCTG
KX452110_typeE	A C A G A A G C C C C A C T T A A C C C A A A G G C T A A C C G T G A G A A A T G A T C T C C C T C A T G T T C G A C A C A T T C A A C G C C C C A T C C T T C T A T G T C G G C A T C C C A T C C A T C C A T C C A T C C A T C C A T C C A T C C A T C C A	
EU076580_typeE	A C A G A A G C C C C A C T T A A C C C A A A G G C T A A C C G T G A G A A A T G A T C T C C C T C A T G T T C G A C A C A T C A A C G C C C C A T C C T C T A T G T C G G C A T C C A G	
KX452111_typeE	A C A G A A G C C C C A C T T A A C C C A A A G G C T A A C C G T G A G A A A T G A T C T C C C T C A T G T T C G A C A C A T T C A A C G C C C C A T C C T T C T A T G T C G G C A T C C C A T C C A T C C A T C C A T C C A T C C A T C C A T C C A T C C A	GCTG
EU076582_typeE		GCTG
KF747376_typeE		GCTG
KX452108_typeE		GCTG
EU076584_typeN	A C A G A A G C C C C A C T C A A C C C A A A G G C T A A C C G T G A G A A A T G A T C T C C C T C A T G T T C G A C A C A T T C A A C G T C C A T C C T T C T A T G T C C G G C A T C C C A T C C A T C C A T C C A T C C A T C C A T C C A T C C A T C C A	
MF350331_typeN	A C A G A A G C C C C A C T C A A C C C A A A G G C T A A C C G T G A G A A A T G A T C T C C C T C A T G T T C G A C A C A T T C A A C G T C C C A T C C T T C T A T G T C G G C A T C A T C C A T C A T C C A T C C A T C C A T C A T C A T C A T C A T C A T C A T	
MF350334_typeN	A C A G A A G C C C C A C T C A A C C C A A A G G C T A A C C G T G A G A A A A T G A T C T C C C T C A T G T T C G A C A C A T T C A A C G T C C C A T C C T T C T A T G T C G G C A T C C A T C C A T C C A C C A T C C A C C A T C C A A C C A C C A C C A C C A C C A C C A C C A C C A C C A C C A C C A C C A C C A C C C C A C C C C A C C C C A C C C C A C C C C A C C C C A C C C C A C C C C A C C C C A C C C C C A C C C C C A C C C C C C A C C C C C A C C C C C C A C	
MF350325_typeN	A C A G A A G C C C C A C T C A A C C C A A A G G C T A A C C G T G A G A A A T G A T C T C C C T C A T G T T C G A C A C A T T C A A C G T C C C A T C C T T C T A T G T C G G C A T C C C A T C A T C C A T C C A T C A T C C A T C A T C C A T C A T C A T	
MF350337_typeN		GCTG
MF350326_typeN		GCTG
MF350327_typeN		GCTG
MF350329_typeG	A C A G A A G C C C C A C T C A A C C C A A A G G C T A A C C G T G A G A A A A T G A T C T C C C T C A T G T C G A C A T T C A A T G T C C C A T C C A T G T C G G C A T C A A G G C C T C T A T G T C G G C A T C C A G A A A T G A A A T G A A A T G A A A T G T C C G A C A T G T C G A C A T G T C C A T G T C G G C A T C C A G A T G T C G G C A T C C A T G T C G G C A T C C A T G T C G G C A T C C A T G T C G G C A T C C A G A G G C T A A C C G G C A T C C A T G T C C C T C T C T A T G T C G G C A T C C A G A T G T C G G C A T C C A T G T C G G C A T C C A G A G A G A G A G A G A G A G A G	
MF350333_typeG		GCTG
MF350343_typeG	A C A G A A G C C C C A C T C A A C C C A A A G G C T A A C C G T G A G A A A A T G A T C T C C C T C A T G T C G A C A C A T C A A T G T C C C A T C C C A T C C A T C C A T C C A T C C A T C C C C	
KF747377_typeG	A C A G A A G C C C C A C T C A A C C C A A A G G C T A A C C G T G A G A A A A T G A T C T C C C T C A T G T C G A C A C A T T C A A T G T C C C A T C C A T G T C C A T C C C A T C C C A T C C A T C C A T C C A T C C A T C C A T C C A T C C A T C C A T C C A T C C A T C C A T C C A T C C A T C C A T C C A T C C A T C A T C A T C C A T C A T C C A T C A T C C A T C A T C A T C A T C C A T C A T C A T C A T C A T C A T C A T C A T C A	
EU076578_typeG	A C A G A A G C C C C A C T C A A C C C A A A G G C T A A C C G T G A G A A A A T G A T C T C C C T C A T G T C G A C A T T C A A T G T C C C A T C C C A T C C A T C C A T C C A T C C A T C C A T C C A T C C A T C C A T C C A T C C A T C A T C C A T C A T C A T C C A T	
XM_001301892_typeH	A C A G A A G C C C C A C T C A A C C C A A A G G C T A A C C G T G A G A A A A T G A T C T C C C T C A T G T C G A C A C G T C C A T C C A T C T A T G T C G G C A T C C A G A G A A A T G A T C A A C G T C C A C A C G T C C A T C C A T C T A T G T C G G C A T C C A G A G A A A T G A T C A A G G C A T C C A C A C G T C C A T C C A T C T A T G T C G G C A T C C A G A G A G A A A T G A T C A C C T C T C T C T A C C T C T A T G T C G G C A T C C A C A T C A A C G T C C A T C C A T C T A T G T C G A G A A A T G A T C C A C C T C C A T C C A T C C A T C C A T C C A T C C A T C C A T C C A T C C A T C C A A G G C A T C C A G A G A A A T G A T C C C T C C A T C C A C A T C C A C A	
EU076579_typeH		GCTG
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EU076581_typeH		GCTG
EU076585_typeI	A C A G A A G C C C C A C T C A A C C C A A A G G C T A A C C G T G A G A A A A T G A T C T C C C T C C A T G T C G A C A T G T C C A T G T C C C A T C A A T G T C C C A T C A A T G T C C G G C A T C C A G A C A T G T C C C T C T A T G T C C C T C A T G T C C C T C A T G T C C C T C A T G T C C C T C A T G T C C C T C A T G T C C C T C A T G T C C C T C A T G T C C C C A T C C A T G T C C C A T C A T G T C C C A T C A T G T C C C A T C C T C T A T G T C C C A T C A T G T C C C A T C C A T C A T G T C C C A T C A T G T C C C A T C C T T C T A T G T C C G G C A T C C A G C A T C C A T C C C T C C C T C C C A T C C C T C C C T C C C T C C C T C C C T C C C C T C C C C T C C C C A T C C C C	
MF350335_typeI	A C A G A A G C C C C A C T C A A C C C A A A G G C T A A C C G T G A G A A A A T G A T C T C C C T C A T G T C G A C A C A T T C A A T G T C C C A T C T T C T A T G T C C G G C A T C A A C C G T G A G A A A A T G A T C T C C C T C A T G T C G A C A T G T C A A T A A T G A T A A T G A T A A T G A T A A T G A T A A T G A T A A T G A T A A T G A T A A T G A T A A T G A T A A T G A T A A T G A T A A T A A T G A T A A T A A T G A T A A T A A T G A T A A T A A T G A T A A T A A T G A T A A T A A T G A T A A T A T	
MF350338_typeP	A C A G A A G C C C C A C T C A A C C C A A A G G C T A A C C G T G A G A A A A T G A T C T C C C T C A T G T C G A C A C A T T C A A C G T C C C A T C T A T G T C G G C A T C C A G	
KP400514_typeP	A C A G A A G C C C C A C T C A A C C C A A A G G C T A A C C G T G A G A A A A T G A T C T C C C T C C A T G T C C A C A T T C A A T G T C C C A T C T A T G T C G G C A T C C A G A A A T G A C C C T C T A T G T C C G G C A T C C A G A A A T G A C C C T C A T G T C C C T C A T G T C C A T C A A T G T C C C A T C A T G T C C C A T C A T G T C C C A T C A T G T C C C A T C A T G T C C C A T C A T G T C C C A T C C T C T A T G T C C G C A T C C A T C A T G T C C C A T C C A T C A A T G T C C C A T C A T G T C C C A T C C A T C A T G T C C C A T C C A T C A T G T C C C A T C C A T C A T G T C C C A T C A T G T C C C A T C C A T C A T G T C C C C A T C C A T C A T G T C C C C A T C C A T C A T G T C C C C A T C C A T C A T G T C C C C A T C C A T C A T G T C C C A T C C A T C A T G T C C C C A T C C A T C C A T C A T G T C C C A T C C C A T C C C A T C C A T C C A T C C C A T C C A T C C A T C C A T C C C C	
EU076586_typeP	A C A G A A G C C C C A C T C A A C C C A A A G G C T A A C C G T G A G A A A A T G A T C T C C C T C A T G T C C G A C A T T C A A C G T C C C A T C T A T G T C G G C A T C C A G A G A C C C T C T A C C C T C T A T G T C G G C A T C C A G A G A C C C C A C A C C C T C T A T G T C G G C A T C C A G A G C C C C A C A C C C T C C A A G G C T A A C C G T G A G A A A T G A T C C C T C C T C C T C T A C C T C C A C C T C C A C C C A C C C A C C C C	
EU076583_typeM		0010

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	401 404 406 408 410 4	112 414 416 418 420 422 42	4 426 428 430 432 434 4	36 438 440 442 444	446 448 450 452 454 456	458 460 462 464 466 468 47	0 472 474 476 478 480 482 484 486 488 490 492 494 496 498 500
MF350332_typeE	ттстттссстс	TACTCCTCTGGCC	GTACAACAGGT	A T C G T T T T C G	ATGCTGGTGAT	GGTGTTTCCCACAC	AGTTCCAATTTACGAAGGCTACTCCCTTCC
MF350328_typeE	ттстттссстс	TACTCCTCTGGCC	GTACAACAGGT	а т <mark>с </mark> б т т т т с б	ATGCTGGTGAT	G G T G T T T C C C A C A C	
MF350322_typeE	тт с т т т с с с т с	TACTCCTCTGGCC	GTACAACAGGT	ΑΤ <mark>Ϲ G</mark> Τ Τ Τ Τ <mark>Ϲ</mark> G	ATGCTGGTGAT	G G T G T T T C C C A C A C	A G T T C C A A T T T A C G A A G G C T A C T C C C T T C C
MF350323_typeE	ттстттссстс	TACTCCTCTGGCC	GTACAACAGGT	ΑΤϹGΤΤΤΤϹG	ATGCTGGTGAT	G G T G T T T C C C A C A C	: A G T T C C A A T T T A C G A A G G C T A C T C C C T T C C
MF350324_typeE	ттстттссстс	TACTCCTCTGGCC	GTACAACAGGT	A T C G T T T T C G	ATGCTGGTGAT	GGTGTTTCCCACAC	
MF350336_typeE	ттстттссстс		GTACAACAGGT	A	A T G C T G G T G A T		
MF350330_typeE	ттстттссстс	TACTCCTCTGGCC		ATCGTTTTCG	ATGCTGGTGAT	00101110004040	: A G T T C C A A T T T A C G A A G G C T A C T C C C T T C C
MF350339_typeE	ттстттссстс	TACTCCTCTGGCC	GTACAACAGGT	ATCGTTTTCG	ATGCTGGTGAT		A G T T C C A A T T T A C G A A G G C T A C T C C C T T C C
MF350340_typeE		TACTCCTCTGGCC			A T G C T G G T G A T		C A G T T C C A A T T T A C G A A G G C T A C T C C C T T C C
MF350341_typeE	ттстттссстс	TACICCICIGGCC	GTACAACAGGT		ATGCTGGTGAT		A G T T C C A A T T T A C G A A G G C T A C T C C C T T C C
MF350342_typeE	ттстттссстс	TACTCCTCTGGCC	G T A C A A C A G G T	AICGIIIICG	ATGCTGGTGAT		
KP400515_typeE KP400516_typeE	TTCTTTCCCTC		G T A C A A C A G G T G T A C A A C A G G T	AICGIIIICG	A T G C T G G T G A T		A G T T C C A A T T T A C G A A G G C T A C T C C C T T C C A G T T C C A A T T T A C G A A G G C T A C T C C C T T C C
KF747375 typeE	ТТСТТТСССТС ТТСТТТСССТС	TACTCCTCTGGCC		ATCGTTTTCG	A T G C T G G T G A T A T G C T G G T G A T		
KF747375_typeE KX452109_typeE	ттстттссстс				ATGCTGGTGAT		A G T T C C A A T T T A C G A A G G C T A C T C C C T T C C
KX452109_typeE KX452110 typeE	ттстттссстс				ATGCTGGTGAT		A G T T C C A A T T T A C G A A G G C T A C T C C C T T C C
EU076580_typeE	ттстттссстс		GTACAACAGGT	A T C G T T T T C G		G G T G T T T C C C A C A C	A G T T C C A A T T T A C G A A G G C T A C T C C C T T C C
KX452111 typeE	ттстттссстс	TACTCCTCTGGCC	GTACAACAGGT	ATCGTTTTCG	ATGCTGGTGAT		A G T T C C A A T T T A C G A A G G C T A C T C C C T T C C
EU076582_typeE	ттстттссстс	TACTCCTCTGGCC			ATGCTGGTGAT		
KF747376_typeE	TTCTTTCCCTC	TACTCCTCTGGCC	GTACAACAGGT		ATGCTGGTGAT		A G T T C C A A T T T A C G A A G G C T A C T C C C T T C C
KX452108_typeE	ттстттссстс	TACTCCTCTGGCC	GTACAACAGGT	ATCGTTTTCG	ATGCTGGTGAT	GGTGTTTCCCACAC	AGTTCCAATTTACGAAGGCTACTCCCTTCC
EU076584_typeN	ттстттссстс	ТАСТССТСТ G G C C	GTACAACAGGT	ΑΤϹGΤΤΤΤϹG	ATGCTGGTGAT	GGTGTTTCCCACAC	A G T T C C A A T T T A C G A A G G C T A C T C C C T T C C
MF350331_typeN	ттстттссстс	TACTCCTCTGGCC	GTACAACAGGT	<mark>А Т С </mark>	ATGCTGGTGAT	GGTGTTTCCCACAC	: A G T T C C A A T T T A C G A A G G C T A C T C C C T T C C
MF350334_typeN	ттстттссстс	ТАСТССТСТССССС	GTACAACAGGT	<mark>А Т С </mark> Т Т Т Т С	ATGCTGGTGAT	G G T G T T T C C C A C A C	. A G T T C C A A T T T A C G A A G G C T A C T C C C T T C C
MF350325_typeN	ттстттссстс	TACTCCTCTGGCC	GTACAACAGGT	ΑΤϹGΤΤΤΤϹG	ATGCTGGTGAT	GGTGTTTCCCACAC	
MF350337_typeN	ттстттссстс	TACTCCTCTGGCC	GTACAACAGGT	ΑΤϹGΤΤΤΤϹG	ATGCTGGTGAT	G G T G T T T C C C A C A C	. A G T T C C A A T T T A C G A A G G C T A C T C C C T T C C
MF350326_typeN	ттстттссстс	TACTCCTCTGGCC	GTACAACAGGT	A T C G T T T T C G		GGTGTTTCCCACAC	C A G T T C C A A T T T A C G A A G G C T A C T C C C T T C C
MF350327_typeN		TACTCCTCTGGCC			A T G C T G G T G A T		: A G T T C C A A T T T A C G A A G G C T A C T C C C T T C C
MF350329_typeG	ттстттссстс	TACTCCTCTGGCC	GTACAACAGGT		ATGCTGGTGAT		
MF350333_typeG	ттстттссстс	TACTCCTCTGGCC	GTACAACAGGT	ATCGTTTTCG	ATGCTGGTGAT		
MF350343_typeG	ттстттссстс	TACTCCTCTGGCC	GTACAACAGGT	ATCGTTTTCG	ATGCTGGTGAT		A G T T C C A A T T T A C G A A G G C T A C T C C C T T C C
KF747377_typeG	ттстттссстс	TACICCICIGGCC	GTACAACAGGT	AICGIIIICG	ATGCTGGTGAT		A G T T C C A A T T T A C G A A G G C T A C T C C C T T C C
EU076578_typeG	ттстттссстс	TACTCCTCTGGCC	G T A C A A C A G G T		ATGCTGGTGAT		A G T T C C A A T T T A C G A A G G C T A C T C C C T T C C
XM_001301892_typeH EU076579_typeH	ТТСТТТСССТС ТТСТТТСССТС	TACTUTTUTGGCC	G T A C A A C A G G T		A T G C T G G T G A T A T G C T G G T G A T		A
KP400513_typeH	ттстттссстс		GTACAACAGGT	ATCOTTTTCC	ATCCTCCTCAT	C C T C T T T C C C A C A C	A G T T C C A A T T T A C G A A G G C T A C T C C C T T C C
EU076581_typeH	ттстттссстс		GTACAACAGGT	ATCGTTTTCG	ATCCTCCTCAT	GGTGTTTCCCACAC	A G T T C C A A T T T A C G A A G G C T A C T C C C T T C C
EU076585_typen	ттстттссстс	TACTCCTCTGGCC		ATCGTTTTCG	ATGCTGGTGAT		
MF350335_typeI	ттстттссстс	TACTCCTCTGGCC	GTACAACAGGT	ATCGTTTTCG	ATGCTGGTGAT		A G T T C C A A T T T A C G A A G G C T A C T C C C T T C C
MF350338 typeP	ттстттссстс	TACTCCTCTGGCC		ATCGTTTTCG	ATGCTGGTGAT		A G T T C C A A T T T A C G A A G G C T A C T C C C T T C C
KP400514_typeP	ттстттссстс	TACTCCTCTGGCC	GTACAACAGGT		ATGCTGGTGAT		
EU076586 typeP		TACTCCTCTGGCC	GTACAACAGGT	ATCGTTTTCG	ATGCTGGTGAT	GGTGTTTCCCACAC	
EU076583_typeM							A G T T C C A A T T T A C G A A G G C T A C T C C C T T C C

	A C A C G C C A T C A T G A G A C T T A A C C T C G C T G G C C G T G A T C T C A C A G C C T G G A T G G T C A A G C T	T
	501 504 506 508 510 512 514 516 518 520 522 524 526 528 530 532 534 536 538 540 542 544 546 548 550 552 554 556 558 560	562 564 566 568 570 572 574 576 578 580 582 584 586 588 590 592 594 596 598 600
MF350332_typeE	A C A C G C C A T C A T G A G A C T T A A C C T C G C T G G C C G T G A T C T C A C A G C C T G G A T G G T C A A G C T	T C T C A C A G A G C G T G G C A A T G C T T T C A A C A C A A C A G C C G A A
MF350328_typeE	A C A C G C C A T C A T G A G A C T T A A C C T C G C T G G C C G T G A T C T C A C A G C C T G G A T G G T C A A G C T	T C T C A C A G A G C G T G G C A A T G C T T T C A A C A C A A C A G C C G A A
MF350322_typeE	A C A C G C C A T C A T G A G A C T T A A C C T C G C T G G C C G T G A T C T C A C A G C C T G G A T G G T C A A G C T	T C T C A C A G A G C G T G G C A A T G C T T T C A A C A C A A C A G C C G A A
MF350323_typeE	A C A C G C C A T C A T G A G A C T T A A C C T C G C T G G C C G T G A T C T C A C A G C C T G G A T G G T C A A G C T	
MF350324_typeE	A C A C G C C A T C A T G A G A C T T A A C C T C G C T G G C C G T G A T C T C A C A G C C T G G A T G G T C A A G C T	T C T C A C A G A G C G T G G C A A T G C T T T C A A C A C A A C A G C C G A A
MF350336_typeE	A C A C G C C A T C A T G A G A C T T A A C C T C G C T G G C C G T G A T C T C A C A G C C T G G A T G G T C A A G C T	
MF350330_typeE	A C A C G C C A T C A T G A G A C T T A A C C T C G C T G G C C G T G A T C T C A C A G C C T G G A T G G T C A A G C T	
MF350339_typeE	A C A C G C C A T C A T G A G A C T T A A C C T C G C T G G C C G T G A T C T C A C A G C C T G G A T G G T C A A G C T	
MF350340_typeE	A C A C G C C A T C A T G A G A C T T A A C C T C G C T G G C C G T G A T C T C A C A G C C T G G A T G G T C A A G C T	
MF350341_typeE	A C A C G C C A T C A T G A G A C T T A A C C T C G C T G G C C G T G A T C T C A C A G C C T G G A T G G T C A A G C T	
MF350342_typeE		T C T C A C A G A G C G T G G C A A T G C T T T C A A C A C A A C A G C C G A A
KP400515_typeE	A C A C G C C A T C A T G A G A C T T A A C C T C G C T G G C C G T G A T C T C A C A G C C T G G A T G G T C A A G C T	
KP400516_typeE	A C A C G C C A T C A T G A G A C T T A A C C T C G C T G G C C G T G A T C T C A C A G C C T G G A T G G T C A A G C T	
KF747375_typeE	A C A C G C C A T C A T G A G A C T T A A C C T C G C T G G C C G T G A T C T C A C A G C C T G G A T G G T C A A G C T	
KX452109_typeE	A C A C G C C A T C A T G A G A C T T A A C C T C G C T G G C C G T G A T C T C A C A G C C T G G A T G G T C A A G C T	
KX452110_typeE	A C A C G C C A T C A T G A G A C T T A A C C T C G C T G G C C G T G A T C T C A C A G C C T G G A T G G T C A A G C T	
EU076580_typeE		T C T C A C A G A G C G T G G C A A T G C T T T C A A C A C A A C A G C C G A A
KX452111_typeE	A C A C G C C A T C A T G A G A C T T A A C C T C G C T G G C C G T G A T C T C A C A G C C T G G A T G G T C A A G C T	
EU076582_typeE	A C A C G C C A T C A T G A G A C T T A A C C T C G C T G G C C G T G A T C T C A C A G C C T G G A T G G T C A A G C T	
KF747376_typeE	A C A C G C C A T C A T G A G A C T T A A C C T C G C T G G C C G T G A T C T C A C A G C C T G G A T G G T C A A G C T	
KX452108_typeE	A C A C G C C A T C A T G A G A C T T A A C C T C G C T G G C C G T G A T C T C A C A G C C T G G A T G G T C A A G C T	
EU076584_typeN	A C A C G C C A T C A T G A G A C T T A A C C T C G C T G G C C G T G A T C T C A C A G C C T G G A T G G T C A A G C T	
MF350331_typeN MF350334 typeN	A C A C G C C A T C A T G A G A C T T A A C C T C G C T G G C C G T G A T C T T A C A G C C T G G A T G G T C A A G C T A C A C G C C A T C A T G A G A C T T A A C C T C G C T G G C C G T G A T C T T A C A G C C T G G A T G G T C A A G C T	
MF350334_typeN MF350325_typeN	A C A C G C C A T C A T G A G A C T T A A C T C G C T G G C C G T G A T C T T A C A G C T T G G A T G T C A A G C T	
MF350325_typeN MF350337_typeN	A C A C G C C A T C A T G A G A C T T A A C C T C G C T G G C C G G A T C T T A C A G C C T G G A T G G T C A A G C T	
MF350326_typeN	A C A C G C C A T C A T G A G A C T T A A C C T C G C C G G G A T C T A C A G C C T G G A T G G T C A A G C T	
MF350327_typeN	A C A C G C C A T C A T G A G A C T T A A C C T C G C T G G C C G T G A T C T T A C A G C C T G G A T G G T C A A G C T	
MF350329_typeG	A C A C G C C A T C A T G A G A C T T A A C C T C G C T G G C C G T G A T C T C A C A G C C T G G A T G G T C A A G C T	
MF350333_typeG	A C A C G C C A T C A T G A G A C T T A A C C T C G C T G G C C G T G A T C T C A C A G C C T G G A T G G T C A A G C T	
MF350343 typeG	A C A C G C C A T C A T G A G A C T T A A C C T C G C T G G C C G T G A T C T C A C A G C C T G G A T G G T C A A G C T	
KF747377_typeG	A C A C G C C A T C A T G A G A C T T A A C C T C G C T G G C C G T G A T C T C A C A G C C T G G A T G G T C A A G C T	
EU076578 typeG	A C A C G C C A T C A T G A G A C T T A A C C T C G C T G G C C G T G A T C T C A C A G C C T G G A T G G T C A A G C T	
XM_001301892_typeH		T C T C A C A G A G C G T G G C A A T G C T T T C A A C A C A C A A C A G C C G A A
EU076579_typeH	A C A C G C C A T C A T G A G A C T T A A C C T C G C T G G C C G T G A T C T C A C A G C C T G G A T G G T C A A G C T	
KP400513_typeH	A C A C G C C A T C A T G A G A C T T A A C C T C G C T G G C C G T G A T C T C A C A G C C T G G A T G G T C A A G C T	
EU076581_typeH	A C A C G C C A T C A T G A G A C T T A A C C T C G C T G G C C G T G A T C T C A C A G C T G G A T G G T C A A G C T	T C T C A C A G A G C G T G G C A A T G C T T T C A A C A C A A C A G C C G A A
EU076585 typeI	A C A C G C C A T C A T G A G A C T T A A C C T C G C T G G C C G T G A T C T C A C A G C C T G G A T G G T C A A G C T	
MF350335_typeI	A C A C G C C A T C A T G A G A C T T A A C C T C G C T G G C C G T G A T C T C A C A G C C T G G A T G G T C A A G C T	T C T C A C A G A G C G T G G C A A T G C T T T C A A C A C A A C A G C C G A A
MF350338_typeP	A C A C G C C A T C A T G A G A C T T A A C C T C G C T G G C C G T G A T C T T A C A G C C T G G A T G G T C A A G C T	T C T C A C A G A G C G T G G C A A T G C T T T C A A C A C A A C A G C C G A A
KP400514_typeP	A C A C G C C A T C A T G A G A C T T A A C C T C G C T G G C C G T G A T C T C A C A G C C T G G A T G G T C A A G C T	T C T C A C A G A G C G T G G C A A T G C T T T C A A C A C A A C A G C C G A A
EU076586_typeP	A C A C G C C A T C A T G A G A C T T A A C C T C G C T G G C C G T G A T C T C A C A G C C T G G A T G G T C A A G C T	Т С Т С А С А <mark>Б А Б С Б Т Б Б С</mark> А А Т <mark>Б С Т Т Т С</mark> А А С А С А А С А <mark>Б С С Б</mark> А А
EU076583_typeM	A C A C G C C A T C A T G A G A C T T A A C C T C G C T G G C C G T G A T C T C A C A G C C T G G A T G G T C A A G C T	T C T C A C A <mark>G A G C G T G G C</mark> A A T <mark>G C T T T C</mark> A A <mark>C A C A A C A G C C G</mark> A A

	A A G G A A A T C G T T C G T G A C A T C A A G G A G A A G C T T T G C T A T G T C G C C T C G A C T T C G A T G C T G A A A T G G A G G C C G C T A C A G A C T C C T C C A T C A A C	GTCA
	601 604 606 608 610 612 614 616 618 620 622 624 626 628 630 632 634 636 638 640 642 644 646 648 650 652 654 656 658 660 662 664 666 668 670 672 674 676 678 680 682 684 686 688 690 692 694 696	6 698 700
MF350332_typeE	A A G G A A A T C G T T C G T G A C A T C A A G G A G C T T T G C T A T G T C G C C T C G A C T T C G A T G C T G A A A T G G A G A C G C C G C T A C A G A C T C C T C C A T C A A C	GTCA
MF350328_typeE	A A G G A A A T C G T T C G T G A C A T C A A G G A G A A G C T T T G C T A T G T C G C C C T C G A C T T C G A T G C T G A A A T G G A G A C C C C C C T A C A G A C T C C T C C A T C A A C	GTCA
MF350322_typeE	A A G G A A A T C G T T C G T G A C A T C A A G G A G A A G C T T T G C T A T G T C G C C C T C G A C T T C G A T G C T G A A A T G G A G A C C C C C C T A C A G A C T C C T C C A T C A A C	GTCA
MF350323_typeE	A A G G A A A T C G T T C G T G A C A T C A A G G A G A A G C T T T G C T A T G T C G C C C T C G A C T T C G A T G C T G A A A T G G A G A C C C C C C T A C A G A C T C C T C C A T C A A C	GTCA
MF350324_typeE	A A G G A A A T C G T T C G T G A C A T C A A G G A G C T T T G C T A T G T C G C C C T C G A C T T C G A T G C T G A A A T G G A G A C C C C C C C A C A G A C T C C T C C A T C A A C	GTCA
MF350336_typeE	A A G G A A A T C G T T C G T G A C A T C A A G G A G A A G C T T T G C T A T G T C G C C C T C G A C T T C G A T G C T G A A A T G G A G A C C C C C C T A C A G A C T C C T C C A T C A A C	GTCA
MF350330_typeE	A A G G A A A T C G T T C G T G A C A T C A A G G A G A A G C T T T G C T A T G T C G C C C T C G A C T T C G A T G C T G A A A T G G A G A A G G C C G C T A C A G A C T C C T C C A T C A A C	GTCA
MF350339_typeE	A A G G A A A T C G T T C G T G A C A T C A A G G A G A A G C T T T G C T A T G T C G C C C T C G A C T T C G A T G C T G A A A T G G A G A C A C C C C C C A C A G A C T C C T C C A T C A A C	GTCA
MF350340_typeE		GTCA
MF350341_typeE	A A G G A A A T C G T T C G T G A C A T C A A G G A G C T T T G C T A T G T C G C C C T C G A C T T C G A T G C T G A A A T G G A G A C G C C C G C T A C A G A C T C C T C C A T C A A C	GTCA
MF350342_typeE		GTCA
KP400515_typeE		GTCA
KP400516_typeE		GTCA
KF747375_typeE	A A G G A A A T C G T T C G T G A C A T C A A G G A G C T T T G C T A T G T C G C C C T C G A C T T C G A T G C T G A A A T G G A G A C C C C C T A C A G A C T C C T C C A T C A A C	
KX452109_typeE	A A G G A A A T C G T T C G T G A C A T C A A G G A G C T T T G C T A T G T C G C C C T C G A C T T C G A T G C T G A A A T G G A G A C C C C C A C A G A C T C C A T C A A C	
KX452110_typeE		GTCA
EU076580_typeE		GTCA
KX452111_typeE		GTCA
EU076582_typeE	A A G G A A A T C G T T C G T G A C A T C A A G G A G A G C T T T G C T A T G T C G C C C T C G A C T T C G A T G C T G C A A T G G A G A A C G C C C C C C A C A G A C T C C A C C C C C C C C C C A C A G A C T C C A C A G A C T C C A C A G A C T C C A C A C A C A C A C A C A C A	
KF747376_typeE	A A G G A A A T C G T I C G T G A C A T C A A G G A G C T T T G C T A T G T C G C C C T C G A C T I C G A A A T G G A G A A G G C C C G C T A C A G A C T C C T C C A T C A A C	
KX452108_typeE	A A G G A A A T C G T T C G T G A C A T C A A G G A G C T T T G C T A T G T C G C C C T C G A C T T C G A T G C T G C A G A A A T G G A G A C C C C C C C C C C C C C C C	
EU076584_typeN MF350331_typeN		GTCA
MF350331_typeN MF350334_typeN	A A 6 G A A A T C 6 T T C G T G A C A T C A A 6 G A G C T T T G C T A T G T C G C C T C G A C T T C G A T G C T G A A A T G G A G A A G C C C C C T C A A C C A T C A A C G A A T C G A G A C C C C C T C A A C C C C C C C C C C C C C C C C C C C C	
MF350334_typeN MF350325_typeN		GTCA
MF350325_typeN MF350337_typeN	A A G G A A A T C G T T C G T G A C A T C A A G G A A G C T T T G C T A T G T C G C C C T C G A T G C T G A A A T C G A G A C G C C G C T A C A G G A G G C T C C T C C A T C A A G G A C T C C T C C A T C A A G C A C T C C T C C A T C A A C G A C T C C T C C A T C A A C G A C T C C T C C A T C A A C G A C T C C T C C A T C A A C G A C T C C T C C A T C A A C G A C T C C T C C A T C A A C G A C T C C T C C A T C A A C G A C T C C T C C A T C A A C G A C T C C T C C A T C A A C G A C T C C T C C A T C A A C C A C T C C A C C C T C C A T C A A C G A C T C C T C C A T C A A C C A C C C C	
MF350326 typeN		GTCA
MF350327_typeN		GTCA
MF350329_typeG	A A G G A A A T C G T T C G T G A C A T C A A G G A G C T T T G C T A T G T C G C C C T C G A C T T C G A T G C T G A A A T G G A G G C C G C T A C A G A C T C C T C C A T C A A C	
MF350333_typeG		GTCA
MF350343 typeG		GTCA
KF747377_typeG	A A G G A A A T C G T T C G T G A C A T C A A G G A G A A G C T T T G C T A T G T C G C C C T C G A C T T C G A T G C T G A A A T G G A G A A G G C C G C T A C A G A C T C C T C C A T C A A C	
EU076578_typeG	A A G G A A A T C G T T C G T G A C A T C A A G G A G A G A G C T T T G C T A T G T C G C C C T C G A C T T C G A T G C T G A A A T G G A G A A G G C C G C T A C A G A C T C C T C C A T C A A C	
XM 001301892 type	A A G G A A A T C G T T C G T G A C A T C A A G G A G A G C T T T G C T A T G T T G C C C T C G A C T T C G A T G C T G A A A T G G A G A A G G C C G C T A C A G A C T C C T C C A T C A A C	GTCA
EU076579_typeH	A A G G A A A T C G T T C G T G A C A T C A A G G A G A A G C T T T G C T A T G T C G C C C T C G A C T T C G A T G C T G A A A T G G A G A C C C C C C C A C A G A C T C C T C C A T C A A C	GTCA
KP400513 typeH	A A G G A A A T C G T T C G T G A C A T C A A G G A G A A G C T T T G C T A T G T C G C C C T C G A C T T C G A T G C T G A A A T G G A G A C C C C C C C A C A G A C T C C T C C A T C A A C	GTCA
EU076581_typeH	A A G G A A A T C G T T C G T G A C A T C A A G G A G A A G C T T T G C T A T G T C G C C C T C G A C T T C G A T G C T G A A A T G G A G A C C C C C C T A C A G A C T C C T C C A T C A A C	GTCA
EU076585_typeI	A A G G A A A T C G T T C G T G A C A T C A A G G A G A A G C T T T G C T A T G T C G C C C T C G A C T T C G A T G C T G A A A T G G A G A C C C C C C C C A C A G A C T C C A T C A G A C T C C A T C A A C C C C C C C C C C	GTCA
MF350335_typeI	A A <mark>G G A A A T C G T T C G T G A C A T C A A G G A </mark> G A A G C T T T G C T A T G T C G C C C T C G A C T T C G A T G C T G A A A T G G A G G C C G C T A C A G A C T C C T C C A T C A A C	GTCA
MF350338_typeP	A A <mark>G G A A A T C G T T C G T G A C A T C A A G G A </mark> G A A G C T T T G C T A T G T C G C C C T C G A C T C C A T G C T G A A A T G G A A G G C C G C T A C A G A C T C C T C C A T C A A C	GTCA
KP400514_typeP	A A <mark>G G A A A T C G T T C G T G </mark> A C A T C A A G G A <mark>G </mark> A A G C T T T G C T A T G T C G C C C T C G A C T T C G A T G C T G A A A T G G A A G G C C G C T A C A G A C T C C T C C A T C A A C	GTCA
EU076586_typeP	A A G G A A A T C G T T C G T G A C A T C A A G G A G A A G C T T T G C T A T G T C G C C T C G A C T T C G A T G C T G A A A T G G A G A A G G C C C C C A C A G A C T C C A T C A A A C	
EU076583_typeM	A A G G A A A T C G T T C G T G A C A T C A A G G A G A A G C T T T G C T A T G T C G C C C T C G A C T T C G A T G C T G A A A T G G A C G C C G C T A C A G A C T C C A T C C A T C A A C	GTCA

	ACTACACACTTCCAC	GATGGCAACGT	CATCACAATCG	GCAATGAGCGCT	TCCGCTGCCCAGAA	ATGCTCTTCAAGCC	A
	701 704 706 708 710 712 714	716 718 720 722 724 7	26 728 730 732 734 736	738 740 742 744 746 748	3 750 752 754 756 758 760 76	2 764 766 768 770 772 774 776	778 780 782 784 786 788 790 792 794 796 798 800
MF350332_typeE	ATTACACACTTCCA	GATGGCAACGT	CATCACAATCG	GCAATGAGCGCT	TCCGCTGCCCAGAA	ATGCTCTTCAAGCC	A T A C T T C G A T G G T A T G G A A T A C G A
MF350328_typeE	ATTACACACTTCCA	GATGGCAACGT	САТСАСААТСС	G C A A T G A G C G C T	TCCGCTGCCCAGAA	A T G C T C T T C A A G C C	А Т А С Т Т С G А Т G G Т А Т G G А А Т А С G А
MF350322_typeE	ATTACACACTTCCA	G A T G G C A A C G T	CATCACAATCG	G C A A T G A G C G C T	TCCGCTGCCCAGAA	A A T G C T C T T C A A G C C	A T A C T T C G A T G G T A T G G A A T A C G A
MF350323_typeE	ATTACACACTTCCA	GATGGCAACGT	CATCACAATCG	G C A A T G A G C G C T	TCCGCTGCCCAGAA	A T G C T C T T C A A G C C	A T A C T T C G A T G G T A T G G A A T A C G A
MF350324_typeE	ATTACACACTTCCA	G A T G G C A A C G T	CATCACAATCG	G C A A T G A G C G C T	TCCGCTGCCCAGAA	A T G C T C T T C A A G C C	A T A C T T C G A T G G T A T G G A A T A C G A
MF350336_typeE	ΑΤΤΑ C Α C Α C Τ Τ C C Α C	G A T G G C A A C G T	CATCACAATCG	G C A A T G A G C G C T	TCCGCTGCCCAGAA	A T G C T C T T C A A G C C	A T A C T T C G A T G G T A T G G A A T A C G A
MF350330_typeE		GATGGCAACGT			TCCGCTGCCCAGAA		A T A <mark>C T T C G A T G G</mark> T A T <mark>G G</mark> A A T A <mark>C G</mark> A
MF350339_typeE	ATTACACACTTCCA	G A T G G C A A C G T	CATCACAATCG	G C A A T G A G C G C T	T C C G C T G C C C A G A A	A T G C T C T T C A A G C C	A T A C T T C G A T G G T A T G G A A T A C G A
MF350340_typeE							A T A C T T C G A T G G T A T G G A A T A C G A
MF350341_typeE		GATGGCAACGT			TCCGCTGCCCAGAA		
MF350342_typeE							A T A C T T C G A T G G T A T G G A A T A C G A
KP400515_typeE		GATGGCAACGT			TCCGCTGCCCAGAA		A T A C T T C G A T G G T A T G G A A T A C G A
KP400516_typeE							A T A C T T C G A T G G T A T G G A A T A C G A
KF747375_typeE		GATGGCAACGT					A T A C T T C G A T G G T A T G G A A T A C G A
KX452109_typeE							A T A C T T C G A T G G T A T G G A A T A C G A
KX452110_typeE	ATTACACACTTCCAC						A T A C T T C G A T G G T A T G G A A T A C G A
EU076580_typeE							A T A C T T C G A T G G T A T G G A A T A C G A
KX452111_typeE							A T A C T T C G A T G G T A T G G A A T A C G A
EU076582_typeE							A T A C T T C G A T G G T A T G G A A T A C G A
KF747376_typeE							A T A C T T C G A T G G T A T G G A A T A C G A
KX452108_typeE							A T A C T T C G A T G G T A T G G A A T A C G A
EU076584_typeN							A T A C T T C G A T G G T A T G G A A T A C G A
MF350331_typeN		GATGGCAACGT			TCCGCTGCCCAGAA		A T A C T T C G A T G G T A T G G A A T A C G A
MF350334_typeN MF350325 typeN		GATGGCAACGT			T C C G C T G C C C A G A A T C C G C T G C C C A G A A		A T A C T T C G A T G G T A T G G A A T A C G A
MF350325_typeN MF350337_typeN	A C T A C A C A C T T C C A C A C T A C A C A C T T C C A C	GATGGCAACGT					A T A C T T C G A T G G T A T G G A A T A C G A
		GATGGCAACGT			TCCGCTGCCCAGAA		A T A C T T C G A T G G T A T G G A A T A C G A A T A C T T C G A T G G T A T G G A A T A C G A
MF350326_typeN MF350327_typeN		GATGGCAACGT					A T A C T T C G A T G G T A T G G A A T A C G A A T A C T T C G A T G G T A T G G A A T A C G A
MF350327_LypeN MF350329 typeG		GATGGCAACGT			TCCGCTGCCCAGAA		A T A C T T C G A T G G T A T G G A A T A C G A
MF350329_typeG MF350333_typeG							A T A C T T C G A T G G T A T G G A A T A C G A
MF350343_typeG							A T A C T T C G A T G G T A T G G A A T A C G A
KF747377_typeG							A T A C T T C G A T G G T A T G G A A T A C G A
EU076578 typeG		GATGGCAACGT					A T A C T T C G A T G G T A T G G A A T A C G A
XM 001301892 typeH							A T A C T T C G A T G G T A T G G A A T A C G A
EU076579_typeH							A T A C T T C G A T G G T A T G G A A T A C G A
KP400513 typeH							A T A C T T C G A T G G T A T G G A A T A C G A
EU076581_typeH		GATGGCAACGT			TCCGCTGCCCAGAA		A T A C T T C G A T G G T A T G G A A T A C G A
EU076585_typeI			CATCACAATCG				A T A C T T C G A T G G T A T G G A A T A C G A
MF350335_typeI		GATGGCAACGT			TCCGCTGCCCAGAA		A T A C T T C G A T G G T A T G G A A T A C G A
MF350338_typeP		GATGGCAACGT			TCCGCTGCCCAGAA		
KP400514_typeP							A T A C T T C G A T G G T A T G G A A T A C G A
EU076586_typeP							A T A C T T C G A T G G T A T G G A A T A C G A
EU076583 typeM							A T A C T T C G A T G G T A T G G A A T A C G A
=-//							

	T G G T A T C G A C A A G A C A C T C T T C G A C T C C A T C A T G A A G T G C G A T A T C G A T G T T C T A C G A C A T C G T L C T T C T G G T G G C a C A	ΑΑСΑΑΤG
	801 804 806 808 810 812 814 816 818 820 822 824 826 828 830 832 834 836 838 840 842 844 846 848 850 852 854 856 858 860 862 864 866 868 870 872 874 876 878 880 882 884 886 888 890 892 8	94 896 898 900
MF350332_typeE	T G G T A T C G A C A A G A C A C T C T T C G A C T C C A T C A T G A A G T G C G A T A T C G A T G T T C G T A A G G A T C T C T A C G C T A A C A T C G T T C T T T C T G G T G G C A C	AACAATG
MF350328_typeE	T G G T A T C G A C A A G A C A C T C T T C G A C T C C A T C A T G A A G T G C G A T A T C G A T G T T C G T A A G G A T C T C T A C A C A T C G T T C T T T C T G G T G G C A C A C	ΑΑΖΑΑΤΟ
MF350322_typeE	T G G T A T C G A C A A G A C A C T C T T C G A C T C C A T C A T G A A G T G C G A T A T C G A T G T T C G T A A G G A T C T C T A C A C A T C G T T C T T T C T G G T G G C A C A C	ΑΑΖΑΑΤΟ
MF350323_typeE	T G G T A T C G A C A A G A C A C T C T T C G A C T C C A T C A T G A A G T G C G A T A T C G A T G T T C G T A A G G A T C T C T A C G C T A A C A T C G T T C T T T C T G G T G G C A C	AACAATG
MF350324_typeE	T G G T A T C G A C A A G A C A C T C T T C G A C T C C A T C A T G A A G T G C G A T A T C G A T G T T C G T A A G G A T C T C T A C A C A T C G T T C T T C T G G T G G C A C A C A C A C A C A C A C A C A	AACAATG
MF350336_typeE	T G G T A T C G A C A A G A C A C T C T T C G A C T C C A T C A T G A A G T G C G A T A T C G A T G T T C G T A A G G A T C T C T A C G C T A A C A T C G T T C T T C T G G T G C C A C A C A T C G T G C C A C A C A C A C A C A C A C A C A	A A C A A T G
MF350330_typeE	T G G T A T C G A C A A G A C A C T C T T C G A C T C C A T C A T G A A G T G C G A T A T C G A T G T T C G T A A G G A T C T C T A C G C T A A C A T C G T T C T T C T G G T G G C A C A	A A C A A T G
MF350339_typeE	T G G T A T C G A C A A G A C A C T C T T C G A C T C C A T C A T G A A G T G C G A T A T C G A T G T T C G T A A G G A T C T C T A C G C T A A C A T C G T T C T T C T G G T G G C A C A	A A C A A T G
MF350340_typeE	T G G T A T C G A C A A G A C A C T C T T C G A C T C C A T C A T C A T C A T G A G T G C G A T A T C G A T G T T C G T A A G G A T C T C T A C A T C G T T C T T T C T G G T G G C A C A C A T	AACAATG
MF350341_typeE	T G G T A T C G A C A A G A C A C T C T T C G A C T C C A T C A T C A T G A G T G C G A T A T C G A T G T T C G T A A G G A T C T C T A C A T C G T T C T T C T G G T G G C A C A C A T C A T C G T T C T C T C G T C A	AACAATG
MF350342_typeE	T G G T A T C G A C A A G A C T C T T C G A C T C C A T C A T C A T G A G T G C G A T A T C G A T G T T C G T A A G G A T C T C T A C A T C G T T C T T T C T G G T G G C A C A	AACAATG
KP400515_typeE	T G G T A T C G A C A A G A C T C T T C G A C T C C A T C A T G A A G T G C G A T A T C G A T G T T C G T A A G G A T C T C T A C A T C G T T C T T T C T G G T G G C A C A C A T C A T C G T T C T T T C T G G T G G C A C A C A C A C A T C A T C G A C A T C A	AACAATG
KP400516_typeE KF747375 typeE	Τ 6 G Τ Α Τ C 6 Α C Α Α G Α C Α C T C T T C 6 Α C T C C Α T C A T G A G T G C G A T A T C 6 A T G G T C C T T C T A C G C T A A C A T C 6 T T C T T C T G G T G C A C A C A C A T C 6 T C C T T C C G C T G C A C A C A C A C A C A C A C A C C C T C C A C A	A A C A A T G A A C A A T G
KX452109_typeE	T G G T A T C G A C A A G A C A C T C T T C A A C T C A A G T G C G A T A T C G A T G T T C G T A G G A T C T C T A A C A T C G T T C T T C G G T G C A C A C A T	AACAATG
KX452109_typeE KX452110 typeE	T G G T A T C G A C A A G A C A T C T T C G A C T C C A T C A T G G T A C G A T G T C G A T G G A C G C T C T A C A C A T C G T C T T T T C G G T C C A T C	AACAATG
EU076580_typeE	T G G T A T C G A C A A G A C A C T C T T C G A C T C C A T G A A G T G C G A T A T C G A T G T T C G A T G T A G G A T C T C T A A C A T C G T T C T T C T G G T G C A C A	AACAATG
KX452111 typeE	T G G T A T C G A C A C A C A C T C T T C G A C T C C A T G A A G T G C G A T A T C G A T G T T C G A T G C A C A C A T C G T T C T T C T G G T G G C A C A C A C A C A C A C A C A C A	AACAATG
EU076582_typeE	T G G T A T C G A C A G A C A C T C T T C G A C T C C A T C A T G A T G T A C G A T G T T C G T A A G G A T C T C T A C A T C G T T C T T C T G G T G G C A C A C A C A C A C A C A C A C A	AACAATG
KF747376_typeE	T G G T A T C G A C A A G A C A C T C T T C G A C T C C A T C A T G A A G T G C G A T A T C G A T G T T C G T A A G G A T C T C T A C G C T A A C A T C G T T C T T C T G G T G G C A C A	AACAATG
KX452108_typeE	T G G T A T C G A C A A G A C A C T C T T C G A C T C C A T C A T G A G T G C G A T A T C G A T G T T C G T A A G G A T C T C T A C G C T A A C A T C G T T C T T T C T G G T G G C A C	AACAATG
EU076584_typeN	T G G T A T C G A C A A G A C A C T C T T C G A C T C C A T C A T G A A G T G C G A T A T C G A T G T T C G T A A G G A T C T C T A C G C T A A C A T C G T T C T T T C T G G T G G C A C	AACAATG
MF350331 typeN	T G G T A T C G A C A A G A C A C T C T T C G A C T C C A T C A T G A A G T G C G A T A T C G A T G T T C G T A G G A T C T C T A C G C C A A C A T C G T T C T T C T G G T G G C A C A T	ААСААТС
MF350334_typeN	T G G T A T C G A C A A G A C A C T C T T C G A C T C C A T C A T G A A G T G C G A T A T C G A T G T T C G T A A G G A T C T C T A C G C T A A C A T C G T T C T T C T G G T G G C A C A	ΑΑΖΑΑΤΟ
MF350325_typeN	T G G T A T C G A C A A G A C A C T C T T C G A C T C C A T C A T G A A G T G C G A T A T C G A T G T T C G T A A G G A T C T C T A C G C T A A C A T C G T T C T T T C T G G T G G C A C	ΑΑΖΑΑΤΟ
MF350337_typeN	T G G T A T C G A C A A G A C A C T C T T C G A C T C C A T C A T G A A G T G C G A T A T C G A T G T T C G T A A G G A T C T C T A C G C T A A C A T C G T T C T T T C T G G T G G C A C	ΑΑΖΑΑΤΟ
MF350326_typeN	T G G T A T C G A C A A G A C A C T C T T C G A C T C C A T C A T G A A G T G C G A T A T C G A T G T T C G T A A G G A T C T C T A C A C A T C G T T C T T C T G G T G G C A C A C A C A C A C A C A C A C A	AACAATG
MF350327_typeN	T G G T A T C G A C A A G A C A C T C T T C G A C T C C A T C A T G A A G T G C G A T A T C G A T G T T C G T A A G G A T C T C T A C A C A T C G T T C T T C T G G T G G C A C A C A C A C A C A C A C A C A	A A C A A T G
MF350329_typeG	T G G T A T C G A C A A G A C A C T C T T C G A C T C C A T C A T G A A G T G C G A T A T C G A T G T T C G T A A G G A T C T C T A C G C T A A C A T C G T T C T T C T G G T G C C A C A C A T C G T G C C A C A C A C A C A C A C A C A C A	A A C A A T G
MF350333_typeG	T G G T A T C G A C A A G A C A C T C T T C G A C T C C A T C A T G A A G T G C G A T A T C G A T G T T C G T A A G G A T C T C T A C G C T A A C A T C G T T C T T C T G G T G G C A C A	A A C A A T G
MF350343_typeG	T G G T A T C G A C A A G A C A C T C T T C G A C T C C A T C A T C A T C A T G A G T G C G A T A T C G A T G T T C G T A A G G A T C T C T A C G C T A A C A T C G T T C T T T C T G G T G G C A C A C A T C A T C G T T C T C T C G T C A T C	A A C A A T G
KF747377_typeG	T G G T A T C G A C A A G A C A C T C T T C G A C T C C A T C A T C A T C A A G T G C G A T A T C G A T G T T C G T A A G G A T C T C T A C A T C G T T C T T C T G G T G G C A C A C A T C A T C G T C T T C T C G T G G C A C A C A T C A T C G A C A T C	AACAATG
EU076578_typeG	T G G T A T C G A C A A G A C T C T T C G A C T C C A T C A T C A T G A G T G C G A T A T C G A T G T T C G T A A G G A T C T C T A C A T C G T T C T T C T G G T G G C A C A C A T C A C A T C G T T C T T C T G G T G G C A C A C A C A T C A C A T C G T C T C T C T C G T G G C A C A C A C A C A C A C A C A C A	AACAATG
	T G G T A T C G A C A A G A C T C C T T C G A C T C C A T G A A G T G C G A T A T C G A T G T T C G T A A G G A T C T C T A C A T C G T T C T T T C T G G T G G C T C A	AACAATG
EU076579_typeH KP400513 typeH	Τ 6 G Τ Α Τ C 6 Α C Α Α 6 Α C Α C T C T T C 6 Α C T C C Α T C A T G A G G G A T A T C 6 A T G G T C T T C T A C G C T A A C A T C 6 T T C T T C T G G T G G C A C A C A T C 6 T C T T C T C G A C A T C 6 T C T T C T G G T G G C A C A C A C A T C 6 A C T C T T C C G C T G C A C A C A C A C A C A T C 6 A C T C C A T C A T C A T C A T C G A T C C A T	AACAATG
EU076581_typeH		A A C A A T G A A C A A T G
EU076581_Lypen EU076585 typeI	T 6 G T A T C 6 A C A A G A C A C T C T T C 6 A C T C C A T C A T G A G T G C G A T A T C 6 A T G T T C T C T C G C T A A C A T C 6 T T C T T C T G G T G C A C A C A C A C A C A C A C A C T C T	AACAATG
MF350335_typeI	T G G T A T C G A C A A G A C A C T C T T C G A C T C C A T G A A G T G C G A T A T C G A T G T T C G A T G T A C G T A C A T C G T A C A T C G T A C A T C G T A C A T C G T A C A T C G T A C A T C G T A C A T C G T A C A T C A	AACAATG
MF350338 typeP	T G G T A T C G A C A C A C A C T C T T C G A C T C C A T G T G C G A T A T C G A T G T T C G A C G C T C T A A C A T C G T A C A T C G T A C A T C G T A C A T C G T A C A T C G T A C A T C G T A C A T C G T A C A T C G T A C A T C G T A C A T C G T A C A T C G T A C A T C G T A C A T C	AACAATG
KP400514_typeP	T G G T A T C G A C A C A C A C T C T T C G A C T C C A T G A G T G C G A T A T C G A T G T T C G A C G T C T C A A C A T C G T A C A T C G T A C A T C G T A C A T C G T A C A T C G T A C A T C G T A C A T C G T A C A T C	AACAATG
EU076586 typeP	T G G T A T C G A C A A G A C A C T C T T C G A C T C C A T C A T G A A G T G C G A T A T C G A T G T T C G T A A G G A T C T C T A C G C T A A C A T C G T A A C A T C G T A C A T C G T A C A T C G T A C A T C G T A C A T C G T A C A T C G T A C A T C G T A C A T C G T A C A T C G T A C A T C G T A C A T C G T A C A T C A	
EU076583 typeM	T G G T A T C G A C A A G A C A C T C T T C G A C T C C A T C A T G A A G T G C G A T A T C G A T G T T C G T A A G G A T C T C T A C A T C G T T C T T C T G G T G G C A C A C A C A C A C A T C G T T C T T C T G G T G G C A C A C A C A C A C A C A C A C A	

	TTCaAGGGC	ATCGCCGAA	CGTCTTGACA	GGAAATCAC	AGCTCTtGCt	CCACCAACA	ATGAAGGT	CAAGATCGT	tgctccaga	AGAGCGTAAGTACGCcG
		10 915	920 925	930 935	940 945	950 955	960 965	970	975 980	985 990 995 1.000
MF350332_typeE										AGAGCGTAAGTACGCCG
MF350328_typeE	TTCAAGGGC			GGAAATCAC		CCACCAACA				AGAGCGTAAGTACGCCG
MF350322_typeE	TTCAAGGGC	ATCGCCGAA	CGTCTTGACA	GGAAATCAC	AGCTCTTGCT	ССАССААСА	ATGAAGGT	AAGATCGI	TGCTCCAGA	AGAGCGTAAGTACGCCG
MF350323_typeE	TTCAAGGGC	ΑΤϹGϹϹGAΑ	CGTCTTGACA	GGAAATCAC	AGCTCTTGCT	CCACCAACA	ATGAAGGT	CAAGATCGT	TGCTCCAGA	AGAGCGTAAGTACGCCG
MF350324 typeE	TTCAAGGGC	АТССССАА	CGTCTTGACA	GGAAATCAC	AGCTCTTGCT	ССАССААСА	ATGAAGGT	саадатсст	TGCTCCAGA	AGAGCGTAAGTACGCCG
MF350336_typeE	T T C A A G G G C	ΑΤϹGϹϹGAΑ	CGTCTTGACA	G G A A A T C A C	AGCTCTTGCT	CCACCAACA	ATGAAGGT	CAAGATCG1	TGCTCCAGA	AGAGCGTAAGTACGCCG
MF350330_typeE	TTCAAGGGC	ΑΤϹGϹϹGAΑ	CGTCTTGACA	G G A A A T C A C	AGCTCTTGCT	CCACCAACA	ATGAAGGT	C Α Α <mark>G Α Τ C G </mark> 1	TGCTCCAGA	AGAGCGTAAGTACGCCG
MF350339_typeE	T T C A A G G G C	ΑΤϹGϹϹGAΑ	CGTCTTGACA	G G A A A T C A C	AGCTCTTGCT	C C A C C A A C A	ATGAAGGT	C A A G A T C G T	TGCTCCAGA	AGAGCGTAAGTACGCCG
MF350340_typeE	TTCAAGGGC	ATCGCCGAA	CGTCTTGACA	G G A A A T C A C	AGCTCTTGCT	CCACCAACA	ATGAAGGT	C A A G A T C G 1	TGCTCCAGA	A G A G C G T A A G T A C G C C G
MF350341_typeE	T T C A A G G G C	ATCGCCGAA	CGTCTTGACA	G G A A A T C A C	AGCTCTTGCT	C C A C C A A C A	ATGAAGGT		TGCTCCAGA	AGAGCGTAAGTACGCCG
MF350342_typeE	TTCAAGGGC	ATCGCCGAA	CGTCTTGACA	G G A A A T C A C	AGCTCTTGCT	C C A C C A A C A			TGCTCCAGA	A G A G C G T A A G T A C G C C G
KP400515_typeE	T T C A A G G G C				AGCTCTTGCT		ATGAAGGT		TGCTCCAGA	A G A G C G T A A G T A C G C C G
KP400516_typeE			CGTCTTGACA							A G A G C G T A A G T A C G C C G
KF747375_typeE										A G A G C G T A A G T A C G C C G
KX452109_typeE			CGTCTTGACA			ССАССААСА				A G A G C G T A A G T A C G C C G
KX452110_typeE	TTCAAGGGC			G G A A A T C A C		ССАССААСА				A G A G C G T A A G T A C G C C G
EU076580_typeE			CGTCTTGACA							A G A G C G T A A G T A C G C C G
KX452111_typeE	TTCAAGGGC			GGAAATCAC						AGAGCGTAAGTACGCCG
EU076582_typeE	TTCAAGGGC			GGAAAICAC		CCACCAACA		CAAGATCGT	TGCTCCAGA	A G A G C G T A A G T A C G C C G
KF747376_typeE	TTCAAGGGC			GGAAAICAC		CCACCAACA		AAGAICGI	TGCTCCAGA	A G A G C G T A A G T A C G C C G
KX452108_typeE	TTCAAGGGC			GGAAAICAC		CCACCAACA				A G A G C G T A A G T A C G C C G
EU076584_typeN MF350331_typeN	TTCAAGGGC		CGTCTTGACA	GGAAATCAC	AGCICICGCC	: С С А С С А А С А С С А С С А А С А	ATGAAGGT		TGCTCCAGA	
MF350331_typeN MF350334_typeN	T T C A A G G G C T T C C A G G G C		CGTCTTGACA	G G A A A T C A C	AGCICIIGCI			C A A G A T C G T C A A G A T C G T		A G A G C G T A A G T A C G C C G A G A G C G T A A G T A C G C C G
MF350334_typeN MF350325_typeN	TTCCAGGGC		CGTCTTGACA	C C A A A T C A C	AGCICIIGCI		ATGAAGGT			AGAGCGTAAGTACGCCG
MF350325_typeN MF350337_typeN	TTCCAGGGC		CCTCTTCACA	C C A A A T C A C	AGCTCTTGCT					
MF350326_typeN	TTCCAGGGC			GGAAATCAC		CCACCAACA			CGCTCCAGA	A G A G C G T A A G T A C G C C G
MF350327_typeN	TTCAAGGGC					CCACCAACA			CGCCCCAGA	
MF350329_typeG	TTCCAGGGC		CGTCTTGACA	C C A A A T C A C	AGCTCTTGCT					A G A G C G T A A G T A C G C C G
MF350333_typeG			CGTCTTGACA							AGAGCGTAAGTACGCCG
MF350343 typeG			CGTCTTGACA							
KF747377_typeG	TTCCAGGGC				AGCTCTTGCT					AGAGCGTAAGTACGCCG
EU076578_typeG	TTCCAGGGC					CCACCAACA				AGAGCGTAAGTACGCCG
XM 001301892 typeH										AGAGCGTAAGTACGCCG
EU076579_typeH			CGTCTTGACA							AGAGCGTAAGTACGCCG
KP400513 typeH	TTCCAGGGC			GGAAATCAC		CCACCAACA				AGAGCGTAAGTACGCCG
EU076581_typeH	TTCCAGGGC	ATCGCCGAA	CGTCTTGACA	GGAAATCAC	AGCTCTTGCT	CCACCAACA	ATGAAGGT	AAGATCGT	CGCCCCAGA	AGAGCGTAAGTACGCCG
EU076585_typeI	TTCCAGGGC			GGAAATCAC	AGCTCTTGCT	CCACCAACA	ATGAAGGT	AAGATCGI	CGCCCCAGA	AGAGCGTAAGTACGCTG
MF350335_typeI	TTCCAGGGC			GGAAATCAC	AGCTCTTGCT	CCACCAACA	ATGAAGGT	AAGATCGT	CGCCCCAGA	AGAGCGTAAGTACGCTG
MF350338_typeP	TTCCAGGGC	ATCGCCGAA	CGTCTTGACA	GGAAATCAC	AGCTCTTGCT	CCACCAACA	ATGAAGGT	CAAGATCGI	CGCCCCAGA	AGAGCGTAAGTACGCCG
KP400514_typeP	TTCCAGGGC	ATCGCCGAA	CGTCTTGACA	GGAAATCAC	AGCTCTTGCT	CCACCAACA	ATGAAGGT	AAGATCGT	CGCCCCAGA	AGAGCGTAAGTACGCTG
EU076586_typeP	TTCCAGGGC	ATCGCCGAA	CGTCTTGACA	G G A A A T C A C	AGCTCTTGCT	ССАССААСА	ATGAAGGT	CAAGATCGT	CGCCCCAGA	A G A G C G T A A G T A C G C T G
EU076583_typeM	TTCCAGGGC	ATCGCCGAA	CGTCTTGACA	G G A A A T C A C	AGCTCTCGCC	ССАССААСА	ATGAAGGT	C A A G A T C G 1	CGCCCAGA	A G A G C G T A A G T A C G C T G
Looroso_cyper/			COTCITOACA	UUAAAICA C		CCACCAACA			COCCCAGAGA	A O A O C O I A A O I A C O C I O

	ΤΤΤGGG	TCGG	GGCTC	CATCC	гтсст	тссстс	GCTA	CATTC	CCACAG	тббт	TATC	ACCAAC	GAGGA	АТАС	GACGA	GGCTC	GCCCAI	CCAT	сбттс	ACCG
	1 001 1005	1010	1015	1020	1025	1030	1035	1040	1045	1050	1055	1060	1065	1070	1075	1080	1085	1090	1095	1 100
MF350332_typeE	TTTGGG																			
MF350328_typeE	TTTGGG				гтдст	тссстс	GCTA													
MF350322_typeE	TTTGGG						GCTA		CCACAGA											
MF350323_typeE MF350324_typeE	TTTGGG								С С А С А Б / С С А С А Б /											
MF350324_typeE MF350336_typeE	TTTGGG			CATCC														CCAT		ACCG
MF350330_typeE	TTTGGG			CATCC			GCTA		CCACAGA								GCCCA	CCAT		ACCG
MF350339_typeE	TTTGGG			CATCC	ттсст		GCTA		CCACAGA				GAGGA					CCAT		ACCG
MF350340_typeE	TTTGGG			CATCC	таст	тсссто	GCTA		CCACAG									CCAT		
MF350341_typeE	TTTGGG				ттост	тссстс	GCTA		CCACAGA											
MF350342 typeE					ттсст	тссстс	GCTA		CCACAG											
KP400515_typeE	TTTGGG	тсббт	ббстс	CATCC	ттсст	тссстс	G C T A	CATTC	CCACAGA	тббт	TATC	АССААС	GAGGA	АТАС	GACGA	GGCTG	GCCCAT	CCATO	с д т т с	ACCG
KP400516_typeE	TTTGGG	TCGG1	ббстс	CATCC	тт <mark>сс</mark> т	тссстс	G C T A	САТТС	CCACAG	ТССТ	ТАТС	ACCAAG	GAGGA	АТАС	GACGA	GGCTG	GCCCAI	ССАТ	с с ттс	ACCG
KF747375_typeE	TTTGGG	TCGGT	GGCTC	CATCC	тт <mark>сс</mark> т	тссстс	GCTA	CATTC	CCACAGA	ТССТ	ТАТС	ACCAAC	GAGGA	ATAC	GACGA	GGCTG	GCCCAT	CCATO	с д т т с	ACCG
KX452109_typeE	TTTGGG	TCGG1	GGCTC	CATCC	гт <mark>сс</mark> т	тссстс	GCTA	САТТС	с с а с а б /	TGGT	ТАТС	ACCAAG	GAGGA	АТАС	GACGA	GGCTG	GCCCAT	CCATO	сбттс	ACCG
KX452110_typeE	TTTGGG	TCGGT	GGCTC	CATCC	ТТ <mark>С</mark> Т	тссстс	GCTA	CATTC	CCACAGA	TGGT	TATC	ACCAAC	GAGGA	ATAC	GACGA	GGCTG	G C C C A 1	CCAT	с с т т с	ACCG
EU076580_typeE	TTTGGG				гт <mark>с</mark> т	тссстс	GCTA		с с а с а б /								G C C C A 1			ACCG
KX452111_typeE					тт <mark>сс</mark> т	тссстс			с с а с а <mark>с</mark> /											
EU076582_typeE	TTTGGG				ттсст	тссстс			CCACAGA									CCAT	GTTC	ACCG
KF747376_typeE	TTTGGG			CATCC	гтост	тссстс	GCTA		CCACAGA									CCAT	с с т т с	ACCG
KX452108_typeE	T T T G G G T T T G G G			CATCC			GCTA		CCACAGA				GAGGA					CCAT		ACCG
EU076584_typeN MF350331_typeN	TTTGGG						GCTA		С С А С А G / С С А С А G /				GAGGA					CCAT		
MF350334 typeN	TTTGGG								CCACAG											
MF350325 typeN					ттест				CCACAG											
MF350337_typeN	TTTGGG				ттост		GCTA		CCACAGA				GAGGA					CCAT		
MF350326 typeN	TTTGGG				ттост	тссстс	GCTA		CCACAG									CCAT	ссттс	ACCG
MF350327_typeN	TTTGGG	TCGGT	GGCTC	CATCC	ттсст	тссстс	GCTA	CATTC	CCACAGA	тббт	TATC	ACCAAC	GAGGA	ATAC	GACGA	GGCTO	GCCCAT	CCAT	с д т т с	ACCG
MF350329_typeG	TTTGGG	тсбб	ббстс	CATCC	тт <mark>сс</mark> т	тссстс	G C T A	САТТС	CCACAGA	тббт	ТАТС	ACCAAG	GAGGA	АТАС	GACGA	бесте	GCCCAT	CCAT	с с т т с	ACCG
MF350333_typeG	TTTGGG	TCGGT	ббстс	CATCC	гт <mark>сс</mark> т	тссстс	G C T A	САТТС	ССАСАСА	ТССТ	ТАТС	ΑССΑΑΟ	GAGGA	АТАС	GACGA	GGCTG	GCCCAT	ССАТ	сбттс	ACCG
MF350343_typeG	TTTGGG	TCGG1	GGCTC	CATCC	гт <mark>сс</mark> т	тссстс	GCTA	САТТС	ССАСАСИ	TGGT	ТАТС	ACCAAG	GAGGA	АТАС	GACGA	GGCTG	GCCCAT	CCATO	сбттс	ACCG
KF747377_typeG	TTTGGG	TCGGT	GGCTC	CATCC	тт <mark>сс</mark> т	тссстс	GCTA	CATTC	с с а с а <mark>с</mark> А	A T G G T	ТАТС	ACCAAC	GAGGA	ATAC	GACGA	GGCTG	GCCCAT	CCAT	сбттс	ACCG
EU076578_typeG	TTTGGG			CATCC	Г Т <mark>Б С</mark> Т Г	тссстс	GCTA	CATTC	C C A C A G /	TGGT	ТАТС	ACCAAG	GAGGA	ΑΤΑΟ	GACGA	GGCTG	G C C C A 1	CCAT	сбттс	ACCG
XM_001301892_typeH				CATCC	тт <mark>сс</mark> т	тссстс	GCTA		CCACAGA									CCAT	с с т т с	ACCG
EU076579_typeH	TTTGGG			CATCC	ттсст	тссстс	GCTA		CCACAGA								GCCCAT	CCAT		
KP400513_typeH	TTTGGG			CATCC	IIGCI	тссстс	GCTA		CCACAGA				GAGGA					CCATO		ACCG
EU076581_typeH	TTTGGG								С С А С А Б А С С А С А Б А											
EU076585_typeI MF350335 typeI	TTTGGG								CCACAGA											
MF350335_type1 MF350338_typeP	TTTGGG			CATCC	TTGCT	TCCCTC	GCTA						GAGGA					CCAT		
KP400514_typeP	TTTGGG			CATCC	TTCCT	TCCCTC	GCTA		CCACAG									CCAT		
EU076586 typeP				CATCC	TTGCT	тсссто			CCACAG											
EU076583 typeM									CCACAGA											
()per/																				

Sequences accession numbers with the prefix MF are from our study, the other *T. vaginalis actin* sequences were retrieved from GenBank, and the suffix letter indicates the assigned *actin* genotype.