

		10	20	30	40	50
		CGTCTTGG-CCAACATGATTAGTGAACCAAGGATCAGTTACGGAACGAT				
circAB-a-JR1-amplicon.seq(1>499)	→	CGTCTTGG-CCAACATGATTAGTGAACCAAGGATCAGTTACGGAACGAT				
R-AD3-R-58_1.seq(8>437)	←	CATGATTAGTGAACCAAGGATCAGTTACGGAACGAT				
R-ND3-R-59_1.seq(17>460)	←	ACATGATTAGTGAACCAAGGATCAGTTACGGAACGAT				
AD1-R-48_1.seq(31>437)	←	ACATGATTAGTGAACCAAGGATCAGTTACGGAACGAT				
R-ND3-F-50_1.seq(9>455)	→	AACGAT				
		60	70	80	90	100
		GCTCTCATGC-CAT-CTTTGACCGAAACGAAAAC-CACCGTGGAGCTCCT				
circAB-a-JR1-amplicon.seq(1>499)	→	GCTCTCATGC-CAT-CTTTGACCGAAACGAAAAC-CACCGTGGAGCTCCT				
R-AD3-R-58_1.seq(8>437)	←	GCTCTCATGC-CAT-CTTTGACCGAAACGAAAAC-CACCGTGGAGCTCCT				
R-ND3-R-59_1.seq(17>460)	←	GCTCTCATGC-CAT-CTTTGACCGAAACGAAAAC-CACCGTGGAGCTCCT				
AD1-R-48_1.seq(31>437)	←	GCTCTCATGC-CAT-CTTTGACCGAAACGAAAAC-CACCGTGGAGCTCCT				
R-ND3-F-50_1.seq(9>455)	→	GCTCTCATGC-CAT-CTTTGACCGAAACGAAAAC-CACCGTGGAGCTCCT				
R-AD3-F-49_1.seq(9>440)	→	CAT-CTTTGACCGAAACGAAAAC-CACCGTGGAGCTCCT				
AD1-F-45_1.seq(29>436)	→	CACCGTGGAGCTCCT				
		110	120	130	140	150
		TCCCGTGAATGGAGAGTTCAGCCTGGACGATCTCCAGCCGTGGCATTCTT				
circAB-a-JR1-amplicon.seq(1>499)	→	TCCCGTGAATGGAGAGTTCAGCCTGGACGATCTCCAGCCGTGGCATTCTT				
R-AD3-R-58_1.seq(8>437)	←	TCCCGTGAATGGAGAGTTCAGCCTGGACGATCTCCAGCCGTGGCATTCTT				
R-ND3-R-59_1.seq(17>460)	←	TCCCGTGAATGGAGAGTTCAGCCTGGACGATCTCCAGCCGTGGCATTCTT				
AD1-R-48_1.seq(31>437)	←	TCCCGTGAATGGAGAGTTCAGCCTGGACGATCTCCAGCCGTGGCATTCTT				
R-ND3-F-50_1.seq(9>455)	→	TCCCGTGAATGGAGAGTTCAGCCTGGACGATCTCCAGCCGTGGCATTCTT				
R-AD3-F-49_1.seq(9>440)	→	TCCCGTGAATGGAGAGTTCAGCCTGGACGATCTCCAGCCGTGGCATTCTT				
AD1-F-45_1.seq(29>436)	→	TCCCGTGAATGGAGAGTTCAGCCTGGACGATCTCCAGCCGTGGCATTCTT				
		160	170	180	190	200
		TTGGGGCTGACTCTGTGCCAGCCAACACAGAAAACGAAGTTGAGCCTGTT				
circAB-a-JR1-amplicon.seq(1>499)	→	TTGGGGCTGACTCTGTGCCAGCCAACACAGAAAACGAAGTTGAGCCTGTT				
R-AD3-R-58_1.seq(8>437)	←	TTGGGGCTGACTCTGTGCCAGCCAACACAGAAAACGAAGTTGAGCCTGTT				
R-ND3-R-59_1.seq(17>460)	←	TTGGGGCTGACTCTGTGCCAGCCAACACAGAAAACGAAGTTGAGCCTGTT				
AD1-R-48_1.seq(31>437)	←	TTGGGGCTGACTCTGTGCCAGCCAACACAGAAAACGAAGTTGAGCCTGTT				
R-ND3-F-50_1.seq(9>455)	→	TTGGGGCTGACTCTGTGCCAGCCAACACAGAAAACGAAGTTGAGCCTGTT				
R-AD3-F-49_1.seq(9>440)	→	TTGGGGCTGACTCTGTGCCAGCCAACACAGAAAACGAAGTTGAGCCTGTT				
AD1-F-45_1.seq(29>436)	→	TTGGGGCTGACTCTGTGCCAGCCAACACAGAAAACGAAGTTGAGCCTGTT				
		210	220	230	240	250
		GATGCCCCCCTGCTGCCGACCGAGGACTGACCACTCGACCAGGTTCTGG				
circAB-a-JR1-amplicon.seq(1>499)	→	GATGCCCCCCTGCTGCCGACCGAGGACTGACCACTCGACCAGGTTCTGG				
R-AD3-R-58_1.seq(8>437)	←	GATGCCCCCCTGCTGCCGACCGAGGACTGACCACTCGACCAGGTTCTGG				
R-ND3-R-59_1.seq(17>460)	←	GATGCCCCCCTGCTGCCGACCGAGGACTGACCACTCGACCAGGTTCTGG				
AD1-R-48_1.seq(31>437)	←	GATGCCCCCCTGCTGCCGACCGAGGACTGACCACTCGACCAGGTTCTGG				
R-ND3-F-50_1.seq(9>455)	→	GATGCCCCCCTGCTGCCGACCGAGGACTGACCACTCGACCAGGTTCTGG				
R-AD3-F-49_1.seq(9>440)	→	GATGCCCCCCTGCTGCCGACCGAGGACTGACCACTCGACCAGGTTCTGG				
AD1-F-45_1.seq(29>436)	→	GATGCCCCCCTGCTGCCGACCGAGGACTGACCACTCGACCAGGTTCTGG				
		260	270	280	290	300
		GTTGACAAATATCAAGACGGAGGAGATCTCTGAAGTGAAGATGGATGCAG				
circAB-a-JR1-amplicon.seq(1>499)	→	GTTGACAAATATCAAGACGGAGGAGATCTCTGAAGTGAAGATGGATGCAG				
R-AD3-R-58_1.seq(8>437)	←	GTTGACAAATATCAAGACGGAGGAGATCTCTGAAGTGAAGATGGATGCAG				
R-ND3-R-59_1.seq(17>460)	←	GTTGACAAATATCAAGACGGAGGAGATCTCTGAAGTGAAGATGGATGCAG				
AD1-R-48_1.seq(31>437)	←	GTTGACAAATATCAAGACGGAGGAGATCTCTGAAGTGAAGATGGATGCAG				
R-ND3-F-50_1.seq(9>455)	→	GTTGACAAATATCAAGACGGAGGAGATCTCTGAAGTGAAGATGGATGCAG				
R-AD3-F-49_1.seq(9>440)	→	GTTGACAAATATCAAGACGGAGGAGATCTCTGAAGTGAAGATGGATGCAG				
AD1-F-45_1.seq(29>436)	→	GTTGACAAATATCAAGACGGAGGAGATCTCTGAAGTGAAGATGGATGCAG				

		310	320	330	340	350
		AATTCGACATGACTCAGGATATGAAGTTCATCATCAAAAATTGGTGTTTC				
circAB-a-JR1-amplicon.seq(1>499)	→	AATTCGACATGACTCAGGATATGAAGTTCATCATCAAAAATTGGTGTTTC				
R-AD3-R-58_1.seq(8>437)	←	AATTCGACATGACTCAGGATATGAAGTTCATCATCAAAAATTGGTGTTTC				
R-ND3-R-59_1.seq(17>460)	←	AATTCGACATGACTCAGGATATGAAGTTCATCATCAAAAATTGGTGTTTC				
AD1-R-48_1.seq(31>437)	←	AATTCGACATGACTCAGGATATGAAGTTCATCATCAAAAATTGGTGTTTC				
R-ND3-F-50_1.seq(9>455)	→	AATTCGACATGACTCAGGATATGAAGTTCATCATCAAAAATTGGTGTTTC				
R-AD3-F-49_1.seq(9>440)	→	AATTCGACATGACTCAGGATATGAAGTTCATCATCAAAAATTGGTGTTTC				
AD1-F-45_1.seq(29>436)	→	AATTCGACATGACTCAGGATATGAAGTTCATCATCAAAAATTGGTGTTTC				
		360	370	380	390	400
		TTTGCAGAAGATGTGGGTTCAAACAAAGGTGCAATCATTGGACTCATGGT				
circAB-a-JR1-amplicon.seq(1>499)	→	TTTGCAGAAGATGTGGGTTCAAACAAAGGTGCAATCATTGGACTCATGGT				
R-AD3-R-58_1.seq(8>437)	←	TTTGCAGAAGATGTGGGTTCAAACAAAGGTGCAATCATTGGACTCATGGT				
R-ND3-R-59_1.seq(17>460)	←	TTTGCAGAAGATGTGGGTTCAAACAAAGGTGCAATCATTGGACTCATGGT				
AD1-R-48_1.seq(31>437)	←	TTTGCAGAAGATGTGGGTTCAAACAAAGGTGCAATCATTGGACTCATGGT				
R-ND3-F-50_1.seq(9>455)	→	TTTGCAGAAGATGTGGGTTCAAACAAAGGTGCAATCATTGGACTCATGGT				
R-AD3-F-49_1.seq(9>440)	→	TTTGCAGAAGATGTGGGTTCAAACAAAGGTGCAATCATTGGACTCATGGT				
AD1-F-45_1.seq(29>436)	→	TTTGCAGAAGATGTGGGTTCAAACAAAGGTGCAATCATTGGACTCATGGT				
		410	420	430	440	450
		GGGCGGTGTTGTCATAGCGACA-GTGATCGTCATCACCTTGTTGATG-CT				
circAB-a-JR1-amplicon.seq(1>499)	→	GGGCGGTGTTGTCATAGCGACA-GTGATCGTCATCACCTTGTTGATG-CT				
R-AD3-R-58_1.seq(8>437)	←	GGGCGGTGTTGTCATAGCGACA-GTGATCGTCATCACCTTGTTGATG				
R-ND3-R-59_1.seq(17>460)	←	GGGCGGTGTTGTCATAGCGACA-GTGATCGTCATCACCTTGTTGATG-CT				
AD1-R-48_1.seq(31>437)	←	GGGCGGTGTTGTCATAGCGACA				
R-ND3-F-50_1.seq(9>455)	→	GGGCGGTGTTGTCATAGCGACA-GTGATCGTCATCACCTTGTTGATG-CT				
R-AD3-F-49_1.seq(9>440)	→	GGGCGGTGTTGTCATAGCGACA-GTGATCGTCATCACCTTGTTGATG-CT				
AD1-F-45_1.seq(29>436)	→	GGGCGGTGTTGTCATAGCGACA-GTGATCGTCATCACCTTGTTGATG-CT				
		460	470	480	490	500
		GAAGAAGAAAC-AGTACACATCCATTCATCATGGTGTGGTGGAGATGAGC				
circAB-a-JR1-amplicon.seq(1>499)	→	GAAGAAGAAAC-AGTACACATCCATTCATCATGGTGTGGTGGAGATGAGC				
R-ND3-R-59_1.seq(17>460)	←	GAAGAAGAAAC				
R-ND3-F-50_1.seq(9>455)	→	GAAGAAGAAAC-AGTACACATCCATTCATCATGGTGTGGTGGAGATG				
R-AD3-F-49_1.seq(9>440)	→	GAAGAAGAAAC-AGTACACATCCATTCATCATGGTGTGGTGGAGATGA				
AD1-F-45_1.seq(29>436)	→	GAAGAAGAAAC-AGTACACATCCATTCATCATGGTGTGGTGGAGAT				
		510				
		TGCTTC				
circAB-a-JR1-amplicon.seq(1>499)	→	TGCTTC				