

Figure 1S. Pre-miR169 sequence alignment in maize

zma-miR169a	..TAGGCTCGGGACTATGGTGCAGCCACGATGACTTGC CGA....TCGAT.....GTGACGCCICT...	57
zma-miR169b	..TAGGCTCGGGACTACGGTGCAGCCACGATGACTTGC CGA....TCTATCGTCGATCAACGAGCGACGCCCTTGAT	73
zma-miR169c	..ATGAGGTAGAGAACGGGATGCAGCCACGATGACTTGC GGG....CTCCTGG....AACCTGGAGGCGTCTC....	64
zma-miR169d	..GCAATAGGGGCCACTCAGGCTAGCCACGGA..GACTGCTATGAACTT.CTCAATGGTCCACACATTAGGTCCTTTG	75
zma-miR169e	..GCAATAGGGGCCACTCAGGCTAGCCACGGA..GACTGCTATGAACTT.CTCAATGGTCCACACATTAGGTCCTTTG	75
zma-miR169f	..ACCAGAGCTGATTCTGTTACGTAGCCACGATGACTTGC CTAGGTATATATGCAT..GGGCTATGGCTACATGCCTGAG	76
zma-miR169g	.CAGAGCTAGCC.TGCCTCTGTTAGCCACGATGACTTGC CTACATGCTCTC.....GCTAGTTCCGGTTGTTGCAT	70
zma-miR169h	.CAATAAGGGCC.TGCCTCTGTTAGCCACGATGACTTGC CTATGTCCTTT.....GTTTACAAAGGATCAGAATT	69
zma-miR169i	..GATGAGAGTGTAGCTCTGTTAGCCACGATGACTTGC CTGTGTGCTGGCCACGCTCCCTCATGCAAGGACCATCTC	78
zma-miR169j	GCGATAAGAGT..CTGTCCAGATAGCCACGATGACTTGC CTGTG.GCTTCTTGGCTTGGCTTGGCTCGGGCAAAACCTT	77
zma-miR169k	.CGATGAGAGCA.CTGTCTCTGTTAGCCACGATGACTTGC CTGTG.GCTC.....CATCAGTCGACAGGAGCGCT	68
zma-miR169l	.....GTAGCCACGATGACTTGC CTGTG.GTTCCCT.....GTCGTTGCCATGCCAATGCCT	51
zma-miR169m	.....TTAGCCACGATGACTTGC CTATCTCCATTA.....TTTGTTCATCGC...AGG	47
zma-miR169n	.....TTAGCCACGATGACTTGC CTATCTCCACTG.....TTTGTTCATCGC...AGG	48
zma-miR169o	.....GTAGCCACGATGACTTGC CTATGTCAGGCC.....TCT.GTTGGCAGTTCCGTC	50
zma-miR169p	.....GTAGCCACGATGACTTGC GGG.CATTATATTCTTGGCCCGCCGCAAGTCATCTGGG	58
zma-miR169q	.....TTAGCCACGATGACTTGC CTATCTCCATTA.....TTTGTTCATCGC...AGG	51
zma-miR169r	.....GCAGCCACGATGACTTGC GGGTATTTT.GAGCATGCATGTTACAGGGGACCATATGCA	59
Consensus	agcca g a tgcc	
zma-miR169a	...TGATCTCG.....TCGTGTCAGATCGTCCGGATCATCGGCAAGT.TGTTCTTGGCTACACCGTGGCTCCTG	124
zma-miR169b	GTC.TGATCTCGACATCTA.TCGTGTGTCAGACCATCATCATCTATCGGCAAGT.TGTTCTTGGCTACACCGTGGCTCCTG	150
zma-miR169c	.....AGCTTG.....CTGTGCTGTGGCTTAGAACTTAGTCGGCAAGTCTGTCTTGGCTACACCGTGGCTCCTT	129
zma-miR169d	TAAACAAGGACATAGGCAAGTCATCCTTGGCTATCAGAGGTAGGCCCTTATT.....	128
zma-miR169e	TAAACAAGGACATAGGCAAGTCATCCTTGGCTATCAGAGGTAGGCCCTTATT.....	128
zma-miR169f	AGCCAGTCTCTTGTGAGCGCTGAGCATGTATAGTGTAGGCA.TGTCTTCCCTTGGCTACTCGGAGCGGCTCTAGTCA....	150
zma-miR169g	GCA..TGCCACTATGCCAGTC..CTGCTG..GGTTTGTGGCGGCTCTCCTTGGCTAGCCTGAGTGGCTCTTGGCTG....	140
zma-miR169h	GTG..GACCTTTGTGTT.....GGTTCTGATGAGCATCTCCTTGGCTAGCCTGAGTGGCCCTTATTG....	128
zma-miR169i	GTGTCGACCGACGAGCGAGCGAGCGATCGATCGATGAGAGGATGACGAAGCTTGGGGTGTACGTTGGCTCTCACGGGCA	158
zma-miR169j	GTGTCGACCGACGAGCGAGCGAGCGATCGATCGATGAGAGGATGACGAAGCTTGGGGTGTACGTTGGCTCTCACGGGCA	151
zma-miR169k	G.....TTCTTCTGCTTGTG...GTTG.TCGATCGAGCGCATCTCCTTGGCTAGCCCGAGCGGCTCTCATCCA....	133
zma-miR169l	GTACTGTTGATCTACGGGCAATCATCC.CTGTACCG.....	89
zma-miR169m	A.....AGCCCTTCCGTGATG...GATGAAATGTGGATGATGGCATCCATTCTT.GGCTAAGT.....	101
zma-miR169n	G....ACCACCTGATGATGG..GTGTACTGTGTGGATGATGGCAGCCCTTCTT.GGCTAAGC.....	104
zma-miR169o	G....GCAGCCATGGCGACGG..TTGCACAAGGTGAGTTTTTGGCGCTGGATGATGCAATGTGGCTGCATCGGCAGGT	123
zma-miR169p	GCT.ACGC.....	65
zma-miR169q	G....ACCTCCCTCATGGTGT..GGATGGAATGTGGATGATGGCAGCCCTTCTT..GGCTAAGT.....	106
zma-miR169r	ATC.TGTTTGGAAATTTT.GAGCCCATACCGTGGCTGCTGCTCTTCCGGCAAGT.TGTCTTGGCTACAT.....	126
Consensus		
zma-miR169a	CTCCTG.....	130
zma-miR169b	CTCCTG.....	156
zma-miR169c	CCTCT.....	134
zma-miR169d	.....	128
zma-miR169e	.....	128
zma-miR169f	.....	150
zma-miR169g	.....	140
zma-miR169h	.....	128
zma-miR169i	GTCTCCTTGGCTAGCCCTGACTCACTCTTACCG	191
zma-miR169j	.....	151
zma-miR169k	.....	133
zma-miR169l	.....	89
zma-miR169m	.....	101
zma-miR169n	.....	104
zma-miR169o	CTTCTTGGCTAGCCA.....	138
zma-miR169p	.....	65
zma-miR169q	.....	106
zma-miR169r	.....	126
Consensus		