Supplemental Table 2. Known miRNAs and miRNA*s in the high throughput sequencing datasets (454 and Illumina datasets combined)

	miRNA			miRNA*			Classification of
miRNA	Reported sequence	Variants sequenced¶	Reads†	Locus	Sequenced miRNA* or its variant‡	Reads†	miRNA Locus§
miR156a-j	TGACAGAAGAGAGTGAGCAC		94876	a		0	A
				b	GCTCACTCTCTATCTGTCAGC	3	A
				c, g	GCTCACTTCTCTCTCTGTCAGC	18	A
				d	GCTCACTCCTCTTTCTGTCACC	3	A
				e	GCTCACTGCTCTTTCTGTCATC	4	A
				f		0	A
				h, j	GCTCGCTCCTCTTTCTGTCAGC	2	A
				i	GCTCACTGCTCTGTCTGTCATC	15	A
miR156k	TGACAGAAGAGAGAGAGCACA		0	k		0	D
miR156l	CGACAGAAGAGAGTGAGCATA		4	l		0	A
miR159a-b	TTTGGATTGAAGGGAGCTCTG		53	a	GAGCTCCTTTCGGTCCAAAAA	1	A
				b	GAGCTCCTTTCGTTCCAATGA	2	A
miR159c	ATTGGATTGAAGGGAGCTCCA		0	c		0	B
miR159d	ATTGGATTGAAGGGAGCTCCG		0	d		0	D
miR159e	ATTGGATTGAAGGGAGCTCCT		0	e		0	B
miR159f	CTTGGATTGAAGGGAGCTCTA	CTTGGATTGAAGGGAGCTCT	6	f	AGCTCCCTTCGATCCAATCCA	5	A
miR160a-d	TGCCTGGCTCCCTGTATGCCA		47	a, b	GCGTGCAAGGAGCCAAGCATG	40	A
				c	GCGTGCACGGAGCCAAGCATA	2	A
				d	GCGTGCGAGGAGCCAAGCATG	1	A
miR160e	TGCCTGGCTCCCTGTATGCCG		23	e	GCGTGCGAGGTGCCAAGCATGG	1	A
miR160f	TGCCTGGCTCCCTGAATGCCA		0	f		0	D
miR162a	TCGATAAACCTCTGCATCCAG		221	a-b	GGGCGCAGTGGTTTATCGATC	4	A
miR162b	TCGATAAGCCTCTGCATCCAG		86				A
miR164a-b,f	TGGAGAAGCAGGGCACGTGCA		1857	a		0	A
				b	CATGTGCCCGTCTTCTCCACC	2	A
				f	CATGTGCCCTTCTTCTCCACC	3	A
miR164c	TGGAGAAGCAGGGTACGTGCA		6	c		0	A
miR164d	TGGAGAAGCAGGGCACGTGCT		56	d		0	A
miR164e	TGGAGAAGCAGGGCACGTGAG		1370	e		0	A
miR166a-d,f,n	TCGGACCAGGCTTCATTCCCC		13305	a, f, n		0	A
				b	GGAATGTTGTCTGGCTCGGGG	38	A
				c	GGAATGTTGTCTGGTCCGAGA	2	A

				d	GGAATGTTGTCTGGCTCGAGG	196	A
miR166e	TCGAACCAGGCTTCATTCCCC		18	e	GGAATGTTGTCTGGTTCAAGG	6	A
miR166g-h	TCGGACCAGGCTTCATTCCTC		2634	g		0	A
				h	GGAATGTTGGCTGGCTCGAGG	21	A
miR166i-j	TCGGATCAGGCTTCATTCCTC		4	i, j		0	A
miR166k-l	TCGGACCAGGCTTCAATCCCT		1356	k		0	A
				l	GGATTGTTGTCTGGTTCAAGG	1	A
miR166m	TCGGACCAGGCTTCATTCCCT		18	m		0	A
miR167a-c	TGAAGCTGCCAGCATGATCTA		5448	a	GATCATGCATGACAGCCTCATT	6	A
				b		0	A
				c	GGTCATGCTGCGGCAGCCTCACT	1	A
miR167d-j	TGAAGCTGCCAGCATGATCTG	**TGAAGCTGCCAGCATGATCTG**A	1301(9107)	d	GATCATGCTGTGCAGTTTCATC	1	A
				e, i	**A**GATCATGTTGCAGCTTCACT	2(484)	A
				f	**A**GATCATCTGGCAGTTTCATC	3	A
				g	**A**GATCATCCGGCAGCTTCATC	1(6)	A
				h		0	A
				j	GATCGTGCTGCGCAGTTTCATC	6	A
miR168a	TCGCTTGGTGCAGATCGGGAC		263218	a	CCCGCCTTGCACCAAGTGAAT	176	A
miR168b	AGGCTTGGTGCAGCTCGGGAA		0	b		0	D
miR169a	CAGCCAAGGATGACTTGCCGA		86	a		0	A
miR169b-c	CAGCCAAGGATGACTTGCCGG		16	b		0	A
				c	GGCAAGTCTGTCCTTGGCTACA	1	A
miR169d	TAGCCAAGGATGAATTGCCGG		0	d		0	D
miR169e	TAGCCAAGGATGACTTGCCGG		0	e		0	B
miR169f-g	TAGCCAAGGATGACTTGCCTA		2	f, g		0	A
miR169h-m	TAGCCAAGGATGACTTGCCTG		5	h-k, m		0	A
				l	GGCAGTCTCCTTGGCTAGC	1	A
miR169n-o	TAGCCAAGAATGACTTGCCTA		5	n, o		0	A
miR169p‖	TAGCCAAGGACAAACTTGCCGG	CAGCCAAGGATGACTTGCCGG	8	p	GGCAAGTTTGTCCTTGGCTAC	1	A
miR169q	TAGCCAAGGAGACTGCCCATG		0	q		0	D
miR171a	TGATTGAGCCGCGCCAATATC		0	a		0	D
miR171b-f	TGATTGAGCCGTGCCAATATC		391	b-d		0	A
				e	TGTTGGCTCGGCTCACTCAGA	12	A
				f	TGTTGGCATGGTTCAATCAAA	12	A
miR171g	GAGGTGAGCCGAGCCAATATC		0	g		0	D

miR171h	GTGAGCCGAACCAATATCACT	TGAGCCGAACCAATATCACTC	8	h		0	A
miR171i	GGATTGAGCCGCGTCAATATC	TTGAGCCGCGTCAATATCTCT	61	i	AGGTATTGGCGTGCCTCAATC	1	A
miR172a,d	AGAATCTTGATGATGCTGCAT		79	a		0	A
				d	GCAGCACCATCAAGATTCACA	3	A
miR172b	GGAATCTTGATGATGCTGCAT		60	b		0	A
miR172c	TGAATCTTGATGATGCTGCAC		0	c		0	D
miR319a	TTGGACTGAAGGGTGCTCCC	TTGGACTGAAGGGTGCTCCCT	3(24)	a		0	A
miR319b	TTGGACTGAAGGGTGCTCCC			b	AGAGCGTCCTTCAGTCCACTC	13	A
miR390	AAGCTCAGGAGGGATAGCGCC		358		CGCTATCTATCCTGAGCTCCA	18	A
miR393	TCCAAAGGGATCGCATTGATC		29			0	A
miR393b	TCCAAAGGGATCGCATTGATCT	CTCCAAAGGGATCGCATTGAT	7	b	TCAGTGCAATCCCTTTGGAAT	33	A
miR394	TTGGCATTCTGTCCACCTCC		114			0	A
miR395a	GTGAAGTGCTTGGGGGAACTC		0	a		0	B
miR395b,d-e,g-n,p-s	GTGAAGTGTTTGGGGGAACTC	TGAAGTGTTTGGGGGAACTC	1	b,d-e,g-n,p-s		0	A
miR395c	GTGAAGTGTTTGGAGGAACTC		0	c		0	C
miR395f	GTGAATTGTTTGGGGGAACTC		0	f		0	C
miR395o	ATGAAGTGTTTGGAGGAACTC		0	o		0	B
miR395t	GTGAAGTGTTTGGGGAAACTC		0	t		0	D
miR395u	GTGAAGCGTTTGGGGGAAATC		0	u		0	D
miR395v	GTGAAGTATTTGGCGGAACTC		0	v		0	D
miR395w	GTGAAGTGTTTGGGGGATTCTC		0	w		0	D
miR396a-b	TTCCACAGCTTTCTTGAACTG		60	a, b	GTTCAATAAAGCTGTGGGAAA	22	A
miR396c	TTCCACAGCTTTCTTGAACTT		12	c	GGTCAAGAAAGCTGTGGGAAG	7	A
miR396d-e	TCCACAGGCTTTCTTGAACTG		428	d, e	GTTCAAGAAAGCCCATGGAAA	4	A
miR397a	TCATTGAGTGCAGCGTTGATG		28	a		0	A
miR397b	TTATTGAGTGCAGCGTTGATG	TTGAGTGCAGCGTTGATGAAC	12	b	TCACCAGCACTGCACCCAATC	2	A
miR398a	TGTGTTCTCAGGTCACCCCTT		0	a		0	B
miR398b	TGTGTTCTCAGGTCGCCCCTG		4	b	GGGGCGAGCTGGGAACACACG	1	A
miR399a-c	TGCCAAAGGAGAATTGCCCTG		1	a-c		0	A
miR399d	TGCCAAAGGAGAGTTGCCCTG		13	d		0	A
miR399e-g	TGCCAAAGGAGATTTGCCCAG		0	e-g		0	D
miR399h	TGCCAAAGGAGACTTGCCCAG		1	h		0	A
miR399i	TGCCAAAGGAGAGCTGCCCTG		0	i		0	D
miR399j	TGCCAAAGGAGAGTTGCCCTA		4	j		0	A
miR399k	TGCCAAAGGAAATTTGCCCCG		0	k		0	D

miR408**	CTGCACTGCCTCTTCCCTGGC		73		CAGGGATGAGGCAGAGCATGG	632	A
miR413	CTAGTTTCACTTGTTCTGCAC		0			0	D
miR414	TCATCCTCATCATCATCGTCC		0			0	C
miR415	AACAGAACAGAAGCAGAGCAG		0			0	D
miR416	TGTTCGTCCGTACACTGTTCA		0			0	C
miR417	GAATGTAGTGAATTTGTTCCA		0			0	D
miR418	TAATGTGATGATGAAATGACG		0			0	D
miR419	TGATGAATGCTGACGATGTTG		0			0	D
miR420	TAAATTAATCACGGAAATGAT		0			0	C
miR426	TTTTGGAAGTTTGTCCTTACG		0			0	D
miR435	TTATCCGGTATTGGAGTTGA		12			0	A
miR436	TGAGAGAGTGCACTTTCTCCC		3		GAGAAAATGCACTCTCTCAAG	1	A
miR437	AAAGTTAGAGAAGTTTGACTT		0			0	D
miR438	TTCCCACGCGTTATAGTGAAA		0			0	D
miR439a-j	TGTCGAACCGCGGTTGTTCGA		1	a, c-j		0	C
				b	**GAATTGTGGTTGTTCGATAGG**TAC	1	C
miR440	AGTGTCTCCTGATGATCGGGACAA		3		GTCCTGATCACTAGGAGACTCTGA	1	A
miR441a-c	TACCATCAATATAAATGTGGGAAA		0	a-b		0	C
				c		0	D
miR442	TGACGTGTAAATTGCGAGACGAAT		0			0	C
miR443	ATCACAATACAATAAATCTGGA		0			0	D
miR444a,d*	TTGCTGCCTCAAGCTTGCTGC	TGCAG**TTGCTGCCTCAAGCTT**	2(325)	a	**GCTAGAGGTGGCAACT**GCATA	1(171)	A
				d		0	A
miR444b-c*	TGCAGTTGTTGTCTCAAGCTT	TGCAGTTGTTGTCTCAAGCTT	1709			0	A
miR444f*	TGCAGTTGTTGCCTCAAGCTT	TGCAGTTGTTGCCTCAAGCTT	6			0	A
miR445a-i	TAAATTAGTGTATAAACATCCGAT		0			0	D
miR446	CATCAATATGAATATGGGAAATGG	AA**CATCAATATGAATATGGGAAAT**	1		**TCCCACATTTATATTGATGTT**AAT	1	A
miR528	TGGAAGGGGCATGCAGAGGAG		3757		CCTGTGCTTGCCTCTTCCATT	1	A
miR529**	CTGTACCCTCTCTCTTCTTC	G**CTGTACCCTCTCTCTTCTTC**	23		**AGAAGAGAGAGAGTACAGCC**T	1(596)	A
miR530	AGGTGCAGAGGCAGATGCAAC		6		TGCATTTGCACCTGCACCTAC	2	A
miR531	CTCGCCGGGGCTGCGTGCCGCCAT		25			0	A
miR535	TGACAACGAGAGAGAGCACGC		3766		GTGCTTTCTCCCGTTGTCACT	11	A
miR806a-h	ATGTGCTAAAAAGTCAACGGTG	**ATGTGCTAAAAAGTCAACGGTG**TC	8	a-h		0	C
miR807a-c	CGTCATCTCACAGGTGAATCC		0	a-b		0	C
				c	TGG**ATTCACCCGTGATATGACGTG**	1	C

miR808	ATGAATGTGGGAAATGTAAGAA		0			0	C
miR809a-h	TGAATGTGAGAAATGTTAGAAT		0	a-h		0	B
miR810	TCATAAGCCCACCACATGTGG		0			0	B
miR811a-c	ACCGTTAGATCGAGAAATGGACGT		0	a, c b		0 0	C D
miR812a-e	GACGGACGGTTAAACGTTGGAC	AGACGGACGGTTAAACGTTGGACA	3	a-c, e d		0 0	C B
miR813	GGGTTATGGAATGGGTTTTACC		0			0	C
miR814a-c	CACTTCATAGTACAACGAATCT	CACTTCATAGTACAACGAATCTGG	1	a-c		0	C
miR815a-c	AAGGGGATTGAGGAGATTGGG	AGAAGGGGATTGAGGAGATTGGG	8	a b-c		0 0	B C
miR816	GTGACATATTTTACTACAAC		0		TCGTAGTATTAGGATGTGTCACAT	4	C
miR817	TCCAACTTGAGGCCCGATTGA		0			0	C
miR818a-e	AATCCCTTATATTATGGGACGG	CCCTTATATTATGGGACGGAGGGA	3			0	C
miR819a-k	TCAGGTTATAAGACTTTCTAGC	TCAGGTTATAAGACTTTCTAGCAT	2			0	C
miR820a	CGGCCTCGTGGATGGACCAGG	TCGGCCTCGTGGATGGACCAGGAG	2256	a b-c	 AGGTCCGTCCACGAGGACGACG	0 2	A A
miR821a-c	AAGTCATCAACAAAAAAGTTGAAT		0			0	C
miR946	CAGCCCTTCTCCTATCCACAAC		0			0	D
miR1310	GGCATCGGGGGCGTAACGCCCCT		0			0	D
miR1317a-d	TAGGGAACCCCATTCCCATAAA	TAGGGAACCCCATTCCCATAA	1			0	A
miR1318***	TCAGGAGAGATGACACCGAC	TCAGGAGAGATGACACCGAC	73			0	A
miR1319a-c	AACCGGCATCTGTAATATATTATA	 TAACCGGCATCTGTAATATATTAT	0 1	a-b c		0 0	B B
miR1320	TGGAACGGAGGAATTTTATAG	TGGAACGGAGGAATTTTATAG	1			0	A
miR1423¥	AGCGCCCAAGCGGTAGTTGTC	CGAGCGCCCAAGCGGTAGTTGTCT	28		CAACTACACGTTGGGCGCTCGA	389	A
miR1424	ATGCACACTGATGCTGATTGT		0			0	D
miR1425	TAGGATTCAATCCTTGCTGCT	TAGGATTCAATCCTTGCTGCT	589		CAGCAAGAACTGGATCTTAAT	95	A
miR1426	AGAATCTTGATGATGATTAAA		0			0	D
miR1427	TGCGGAACCGTGCGGTGGCGC	TGCGGAACCGTGCGGTGGCGC	6		ATGCCGCGCCGACGAACCGGTCGT	1	A
miR1428	CGTTTTGCAAATTCGCAGGCC		0			0	D
miR1429€	GTTGCACGGGTTTGTATGTTG	GTTGCACGGGTTTGTATGTTGCAG	192		GTAATATACTAATCCGTGCATCCA	13	A
miR1430	TGGTGAGCCTTCCTGGCTAAG		0			0	D
miR1431	TTTGCGAGTTGGCCCGCTTGC	TTTGCGAGTTGGCCCGCTTGC	1			0	A
miR1432***	ATCAGGAGAGATGACACCGAC	ATCAGGAGAGATGACACCGAC	23			0	A

miR1433	TGGCAAGTCTCCTCGGCTACC	AC**TGGCAAGTCTCCTCGGCTA**	2			0	A
miR1435	TTTCTTAAGTCAAACTTTTT		0			0	D
miR1436a-t	ACATTATGGGACGGAGGGAGT		0			0	4B + 16C
miR1437	TCCGGCGCCGCACTAGGCACTG		0			0	D
miR1438	AGGGTAATTTTATCATTTTTA		0			0	D
miR1439	TTTTGGAACGGAGTGAGTATT	**TTTGGAACGGAGTGAGTATT**AA	1			0	A
miR1440a-c	TGCTCAAATACCACTCTCCT		0 0	a-b c		0 0	B C
miR1441a-c	ACCGGATGTCGGAAAAGGTTT		0			0	C
miR1442a-c	ATTCATAGTACTAGATGTGT		0 0	a-b c		0 0	C B

¶ When no exact miRNA was sequenced, the closest variant (in red) is shown, with the sequence common to the reported miRNA in bold. If a miRNA variant with more reads than the miRNA was sequenced, the sequence numbers of both are shown.

† Sequence number of miRNA or miRNA* variants shown in red.

‡ When the expected miRNA* was not sequenced, the closest variant (in red) is shown, with the sequence common to the expected miRNA* in bold.

If a miRNA* variant with more reads than the miRNA* was also sequenced, the sequence number of both are shown.

§ See Table 2 for classification.

‖ In our dataset miR169p is identical to miR169b and miR169c so its precursor should be in the positive strand rather than in the antisense strand as previously reported.

In total, there were 24 reads for miR169b, c and p, which were equally distributed to these three loci.

*The most abundant small RNA from each locus is used to represent the *MIRNA* locus.

** Sequence conservation and sequencing frequency indicats that miRNA and miRNA* annotations should be swapped for miR529 but not for miR408 (See Supplemental Fig. 3 for sequence alignment).

***From the same locus and both are not the most abundant small RNAs from this locus.

¥A variant of PI_miR29*, not sequenced in our study.

€A variant of PI_miR38, not sequenced in our study.