

Supplementary Table 1. Primer sequences for 96 cancer-related miRNA assays.

miRNA	RT primer	PCR reverse primer	PCR forward primer
hsa-let-7a	cgcatatcgcgctcattacagaaactatacaa	gcggaggtgaggttagtaggttg	tcgcatatcgcgctcattacaga
hsa-let-7b	gcgacggagctacataattgaaaccacaca	gtgactggtaggttagtaggttg	tgcgacggagctacataattga
hsa-let-7c	gtgagagatcggtgtactgaaccatacaa	cgcttctcgaggttagtaggttg	ctggtgagagatcggtgtactg
hsa-let-7g	ggaggcgatataatcggtgactgtacaaa	agtgtgctgttgaggttagtagttt	atggaggcgatataatcggtcg
hsa-let-7i	gatgcccgttagttgccacagcaca	gagagctgtgaggttagtagttgt	gattgatgcccgttagttgcc
hsa-mir-1	ctcgacaaacgtctaaatgcttacatacttc	ccagtgagctggaatgtaaagaa	gctcgacaaacgtctaaatgct
hsa-mir-101	cgcatgaatacgcgaacaaacttcagttat	ccagcggttacagtactgtgata	ctcgcatgaatacgcgaacaa
hsa-mir-103	cctggttcgatgtcctagagttcatagccc	ggttgacagcagcattgtacag	tctggttcgatgtcctagagt
hsa-mir-106a	tgatgcagctacgctgtcgtacctgc	atcccacaaaagtgttacagtg	caatgatgcagctacgctgtc
hsa-mir-106b	gtgcagtataggtacggctatctgcact	ccgcgtaaagtgtcgacagt	atcgtgcagtataggtacggct
hsa-mir-107	tggcggttcgtcagagatgtgatagccc	gtcgtgagcagcattgtacag	tcttggcggttcgtcagagatg
hsa-mir-10a	gcttgctcggttaaactgtcacaattcg	ccggtactacctgtagatccg	aggcttgctcggttaaactgt
hsa-mir-10b	gcacgagacttacggaggaacaaattcg	ttggagttacctgtagaaccg	taagcacgagacttacggagga
hsa-mir-122a	cgcggttaaccgagatttaccacaaacacc	catggcatggagtgtgacaatg	ccgcggttaaccgagatttacc
hsa-mir-125a	cctcacaacgattccacaagcacaggtta	gttgattctccctgagacccttta	gtcctcacaacgattccacaag
hsa-mir-125b	gcaaccttgcgactataacctacacaagtta	gtttcctctccctgagacccta	ggcaaccttgcgactataacca
hsa-mir-126	gctcgacctcggaactatggcattattac	agcatgaatcgtagcgtgagt	ctgctcgacctcggaactatg
hsa-mir-126*	gcggaactttacgatacggcgctacc	ggcttcggcattattacttttgt	tacgcggaactttacgatacgg
hsa-mir-127	gaaacacctgcgagattcacagccaagc	ttgttatcatcgatccgtctga	tggaaacacctgcgagattcac
hsa-mir-128b	catccggctatgctgattggaagagacc	tggcgctcacagtgaaccg	cctcatccggctatgctgattg
hsa-mir-129	cgcgacatttagatgcgtggcaagccc	gtgacacttttgcggtctgg	caacgcgacatttagatgcgtg
hsa-mir-130a	gaggcgactgcctaaactatgccctt	gccagccagtgaatgttaaaa	tactgaggcgactgcctaaact
hsa-mir-133b	tccatcccgatcttctagcatagctggtt	cggagttattggtccccttcaa	catccatcccgatcttctagca
hsa-mir-135a	ccctgctcgcagttattgagtcacatagga	gcggcagtatggcttttattcc	aacctgctcgcagttattgag
hsa-mir-135b	ctgccgctggaacaatttcacataggaa	cctcccgtttatggcttttattc	ctaactgccgctggaacaattt
hsa-mir-136	cgacccgcgactactaatagtcacatc	tgcagcactccattgttttga	acgacccgcgactactaatag
hsa-mir-137	tcctcaggtcgaacctattgctacgcgt	ccgacgctattgcttaagaatacg	gctcctcaggtcgaacctattg
hsa-mir-140	gatcgacggacaactttctaccatagg	gcaccgagtggtttaccct	ctagatcgacggacaactttc
hsa-mir-141	cgccaggataaattgacgcaccatctttac	ccgccttaacactgtctggtta	atcgccaggataaattgacgca
hsa-mir-142-3p	cttgcatagtgcgcgtaataatccataaagt	ggaatccctgtagtgttctact	ccttgcatagtgcgcgtaataa
hsa-mir-143	tcgtcgagataagctgtgtgtgagctaca	gttcgctgagatgaagcactg	gctcgtcgagataagctgtgtg
hsa-mir-145	acttcgcaactaccggttgaagggttc	gtaggagggtccagtttccag	tgaacttcgcaactaccggtt
hsa-mir-146a	ccgaatcttgccatacgcgaacccatgg	cggagctcgagaactgaattcca	taaccgaatcttgccatacgcga
hsa-mir-146b	tgactcgccataacgataaagcctatgg	tgaacgtgtgagaactgaattcca	gctgactcgccataacgataa
hsa-mir-148a	ccgttcacgatccaaagacacaaagtct	cctcgcttcagtgactacag	caaccgttcacgatccaaagac
hsa-mir-149	cgtgattcgtgctcgatatcgagtgaaag	catccttctggctccgtgt	gctgtattcgtgctcgatatc
hsa-mir-155	ccagaaaccgatcagagtgtcccctatca	cgccatgttaatgctaactcgtga	ttccagaaaccgatcagagtgt
hsa-mir-15a	ccctatcggttcgagacaccacaaacca	ggaatcctgtagcagcacataatg	ctaccctatcggttcgagacac
hsa-mir-16	ccttgagggttggtactacggcgccaatat	gtgcagtagcagcacgtaaat	accttgagggttggtactacgg
hsa-mir-17-3p	ggacttcgcccgataactacaagtgc	agcttgaatttactgcagtgaagg	aagaggacttcgcccgataact
hsa-mir-17-5p	gccctcctccaacatagtactacctgc	accctcaaagtgtctacagt	cttgccctcctccaacatagt
hsa-mir-181a	tgaacgtaactcgaatccgtactaccg	cgccaacattcaacgctgtc	cgtaacgtaactcgaatccgt
hsa-mir-181b	acgacctctatgaggatgccaccg	tgcacttaacattcattgctgtc	caagacgacctctatgaggatg
hsa-mir-183	agctccgtagtccagatgacacagtgaattc	gtacgctatggcactggtaga	agctccgtagtccagatgaca
hsa-mir-18a	cgcgctactttatgatggtatctgcac	aatcgctaagggtcatctagt	gtccgcgctactttatgatgg
hsa-mir-191	cctacgacgcagtaaatcacagctgctt	gaacacacaacggaatcccaaaa	tccctacgacgcagtaaatcac
hsa-mir-192	gcgtatcacctgtttactgtggctgtca	gcccgatctgacctatgaattga	agcgatcacctgtttactgt
hsa-mir-193b	gactcagctcgtttgtgatgaaagcggg	aggtaaacgtggccctcaaagt	ctgactcagctcgtttgtgatg
hsa-mir-195	gtgtaggcccaataaccagagccaatattt	tgccacttagcagcacagaaa	ggagtgtaggcccaataaccaga

hsa-mir-196a	gtcagaaggaatgatgcacagccaacaaca	acctgcgtaggtagtttcatgt	cgtcagaaggaatgatgcacag
hsa-mir-199a	aaggcgattgatacgagtcagaacaggtg	ggtctccccagtggtcagacta	agaaggcgattgatacgagtc
hsa-mir-199a*	cccactcatagcgatttgctaaccaatgt	ggtagcctacagtagtctgcac	atcccactcatagcgatttgct
hsa-mir-19a	gataacggcaccgatctacttcagtttgc	agcctgtgtgcaaactctatgc	aggataacggcaccgatctact
hsa-mir-19b	ccctacgcgcgaataaacttcagtttgc	ccgctgtgcaaactccatgc	aatccctaccgcgcgaataaact
hsa-mir-200a	acgccacaattaacaagccacatcgttac	gccgtctaactgtcttgta	cctacgccacaattaacaagcc
hsa-mir-200c	gctggcggaattagtagaccaccatcattac	ccaacgtaatactgccgggt	ctgtggcggaattagtagacca
hsa-mir-202	agcctgtatcggaattgcttttcccatg	acacgacttagaggtagaggga	ggagcctgtatcggaattgct
hsa-mir-203	aagcagtgatccggtctacctagtgtgc	ggcgtaacgtgaaatgttaggac	actaagcagtgatccggtctac
hsa-mir-204	cacattagcgcgtattcagacaggcatagg	ccacttgattccctttgtcatcc	ccacattagcgcgtattcagac
hsa-mir-205	tccgtcgttctaatagcgaacagactccg	cctccatccttcattccaccg	gtttccgtcgttctaatagcga
hsa-mir-206	acgagtttagagccggatagccacacac	gcgttgtctggaatgtaagggaagt	tgacgagtttagagccggatag
hsa-mir-20a	ttcatttgtagcgagcggctacctgca	cgccatgtaaaagtgttatagtgc	cgattcatttgtagcgagcgg
hsa-mir-21	cactgtctagcagcagactaatcaacatcag	gccaggcatagcttatcagactg	ccactgtctagcagcagactaa
hsa-mir-210	cggtgtaggttcgtgattgactcagccgc	acgtactgtgcgtgtgaca	ccggtgtaggttcgtgattgac
hsa-mir-212	gtcggagggaacgtagaagtgcccggtg	ctcacgtaacagcttccagtc	atcgtcggagggaacgtagaagt
hsa-mir-214	gctaaattcataaccggccaactgcctgt	actcacacagcaggcaca	cgctaaattcataaccggccaa
hsa-mir-215	tccacgtcgatgatccctgtctgtcaa	gtcgccgtatgacctatgaattg	cctatccacgtcgatgatccct
hsa-mir-218	ggtcgaacgcctaacgtcacatggttag	cgagtgcatttgtctgtatcta	taatggtcgaacgcctaacgtc
hsa-mir-220	ggaggctcggatttctgtgaaagtgtcag	gctgaagccacaccgtatctg	aggaggctcggatttctgttg
hsa-mir-221	ccagtcacgatagtccttgaacccag	agtaggaaagctacattgtctgct	aaccagtcacgatagtcctt
hsa-mir-222	ccacgacatagcggttacaagagaccag	tgacacaagctacatctggctac	gaccacgacatagcggttacaa
hsa-mir-223	aggcgtcgagcttaatgtcgggtatttg	cgtagccctgtcagttgtcaa	tctaggcgtcgagcttaatgtc
hsa-mir-224	gtaagcacgctacatcctgataaacggaac	cgtttgccaagtcactagtgggt	ttgtaagcacgctacatcctga
hsa-mir-24	gcacatgactcgtagatacggctgttctg	tgctgtggctcagttcagc	cgacatgactcgtagatacgg
hsa-mir-25	gcatactccgaccgttacttcagaccg	ggtgccattgcacttgtctc	tcagcatactccgaccgttact
hsa-mir-26a	accacacgtcatgtgactgcctatcct	agcgtgtttcaagtaatccagg	atcaaccacacgtcatgtgact
hsa-mir-26b	cttagcgttgcatcttcaacctatcct	ggccgcttcaagtaattcagg	tgcttagcgttgcatcttctc
hsa-mir-27b	cggctaactaaccacgattctgcagaactt	ctttgttcttcacagtggttaa	ccggctaactaaccacgattct
hsa-mir-29b	caagccctagtattcctcgacaacactgatt	agctccgtatagcaccatttgaaa	gcaagccctagtattcctcgac
hsa-mir-30a-5p	gcttgctcggattagcctctccagtc	agacaacgtgtaaacatcctcga	aatgcttgctcggattagcct
hsa-mir-30b	gtcgagattgttgacgccagctgagtg	cggtgcattgtaaacatcctacac	gtatgtcgagattgttgacgcc
hsa-mir-30c	ttacggcgcttagtatcactgctgagagt	tggctccttgtaaacatcctacac	agttacggcgcttagtatcact
hsa-mir-31	acgaacggcgctatgtaacagctatgc	actccggcaagatgctgg	gagtacgaacggcgctatgtaa
hsa-mir-32	tctacaaaacgccaaacctgcaacttag	acggtggagtattgcacattacta	tggttctacaaaacgccaaacct
hsa-mir-328	caccgtgtgcaattagaaggacggaagg	gctactggccctctctgc	ctcaccgtgtgcaattagaagg
hsa-mir-34a	gcagcgaatccacgattagaacaaccag	gaatggtggcagtgcttagc	ggagcagcgaatccacgattag
hsa-mir-34c	cccatccctcactaagtgttgcaatcagc	tgccaaggcagtgtagtagc	gcccatccctcactaagtgttg
hsa-mir-372	tgactgcattcaagctccacgcctcaa	cgataggaaagtgtctgcacat	aagtgactgcattcaagctccc
hsa-mir-373	ggcgattcaacgatctatcacacacccca	gcttcagaagtgtctcgatttg	cgcgattcaacgatctatcac
hsa-mir-376a	gccaaagttaggtccattctgacgtggatt	gcacagtgcatcatagaggaaaat	atgccaaagttaggtccattcgt
hsa-mir-7	agcattcgtctcgacacagcaacaaaatc	tgactctgctggaagactagtgt	tagagcattcgtctcgacacag
hsa-mir-9	gttccaacccgactatctcatcacacagc	gccgtgtctttggttatctagc	tggttccaacccgactatctca
hsa-mir-92	gccgtcgaggaatcctatcacaggccg	cgctcttattgcactgtccc	gagccgtcgaggaatcctatca
hsa-mir-96	cgtaccgagccttatcgtaagcaaaaatgt	ccgctttggcactagcac	gtcgtaccgagccttatcgtaa
hsa-mir-98	ggcgtaataatcgctccattcaacaatacaa	cgcaagaagtggagtagtaagttg	cgcgtaataatcgctccattc
hsa-mir-99a	cgttggtgtcccatagactcacaagatc	ggcaaaccgtagatccga	tccgttggtgtcccatagact