

Supplemental Table S6. Combimatrix microarray spotted probes list.

Probe Name	Probe Sequence 5'-3'	Probe Type
vvi tRNA-Ala(Chlor)_12_32 PosCtrl as	tcagttgtagagctccgctc	Positive control
vvi tRNA-Phe(Chlor)_48_68 PosCtrl as	ccagttcaaactctggtcctg	Positive control
vvi tRNA-Phe(Chlor)_37_57 PosCtrl as	tcctcgtgtcaccagttcaaa	Positive control
vvi tRNA-Lys(Chlor)_2_23 PosCtrl as	ggttgctaactcaatggtagag	Positive control
vvi tRNA-His(Chlor)_52_72 PosCtrl as	cgggttcaattcccgtcgttc	Positive control
vvi tRNA-His(Chlor)_19_39 PosCtrl as	gatcaaggcagtggtattgga	Positive control
vvi tRNA-Ser(Chlor)_51_71 PosCtrl as	agttattcgtaccgagggttc	Positive control
vvi tRNA-Ser(Chlor)_38_59 PosCtrl as	aatccgtgtacgagttattcg	Positive control
vvi tRNA-Tyr(Chlor)_43_63 PosCtrl as	gttggcaatatgtctacgctg	Positive control
vvi tRNA-Tyr(Chlor)_4_24 PosCtrl as	tcgatgcccagcgggctaata	Positive control
vvi tRNA-Met(Chlor)_48_68 PosCtrl as	cacgggttcaaactcgtctc	Positive control
vvi tRNA-Met(Chlor)_33_53 PosCtrl as	tcataaccttgaggtcacggg	Positive control
vvi tRNA-Ile(Chlor)_10_30 PosCtrl as	ctctggttcaagtccaggatg	Positive control
vvi UBQ(AY684128)_74_94 DegradCtrl as	acttggtcctccgcctgagag	Degradation control
vvi Act(AY847627)_170_190 DegradCtrl as	ttgtgcttagtggtgggtcga	Degradation control
vvi Act(AY847627)_144_165 DegradCtrl as	tatcaggaaggacctctatggc	Degradation control
vvi Hsp101(AY764155)_2888_2908 DegradCtrl as	gcagtgacctgtaattggtct	Degradation control
vvi Hsp101(AY764155)_2660_2680 DegradCtrl as	tcagacgtgttgattcggatc	Degradation control
vvi GDBrPK(AF178575)_1085_1106 DegradCtrl as	gtcagtggcattgattatcaga	Degradation control
vvi GDBrPK(AF178575)_1072_1092 DegradCtrl as	cagtgctgtcatggtcagtg	Degradation control
neg Bio B Spike_394_418 NegCtrl as	gcgctgagattcaactcaactg	Negative control
neg Bio C Spike_113_137 NegCtrl as	acgtgggtgtatttaccgtgtgaa	Negative control
neg Lambda Spike_12_609_633 NegCtrl as	cttccggcaatactcgtaaaccata	Negative control
neg Lambda Spike_5_753_777 NegCtrl as	gaacaggttatcgaaatcagccaca	Negative control
neg Lambda Spike_6_497_521 NegCtrl as	tacaaccggaatgttgacctgct	Negative control
neg Lambda Spike_8_329_353 NegCtrl as	gtcacctttatctgccgacctcat	Negative control
neg Lambda Spike_9_1167_1191 NegCtrl as	gatgtttgcagacgtaatggtg	Negative control
QC-oligoB-AS-3	gagttgctgttatcatcagcgaatg	Quality control
QC-3prime	tgactgactggactgtgggtgtgcgatacgtgtcc	Quality control

QC-5prime	tgggtgtgcgatacgtgtccgactgactgactgac	Quality control
QC-LLD-1	agatttcttcggttcccgtgggtggcgtctga	Quality control
QC-LLD-2	ggagtatgttcggctgcgcgagactatgatgccg	Quality control
QC-LLD-3	gtggcgatgttaacctcggcttatggcgtcaccgg	Quality control
QC-LLD-4	cgaacatcccagggtaacacgca	Quality control
NC-SP-phage-03-3	caccgtaattactgtgagccatcatgacgccgatg	Generic negative control
NC-SP-phage-03-7	gacggatgcgcatcgggtctgtaacaagtcat	Generic negative control
NC-SP-phage-03-8	agtggctgaaacagttgttgattgagtctctttgg	Generic negative control
NC-SP-phage-05-2	ccatgattaccaggtgtacggacacgaaactcat	Generic negative control
NC-SP-phage-05-1	ggagacgggcaatcagttcatctttcgtcatggac	Generic negative control
NC-SP-phage-05-16	cctgtccggcatagctgatatttcagggtcatca	Generic negative control
NC-SP-phage-06-1	gactctccggattaactggcgggtgacggtaatttc	Generic negative control
NC-SP-phage-06-8	tcatacataccagacagccggtacaccagttttc	Generic negative control
NC-SP-phage-06-14	gtcacaccgttatgttcaaatgattcggttttcag	Generic negative control
NC-SP-phage-08-9	gtgaccataccgtacaggttagaaaccgtcagcgt	Generic negative control
NC-SP-phage-08-10	ggatcggcgttaactgtttccgttgacgaagttcac	Generic negative control
NC-SP-phage-08-13	ggacagaaagcgtcacgctgtacgttttcaggttg	Generic negative control
NC-SP-phage-09-4	cgaccaaactcgttgaatatccccgtaaaggcagat	Generic negative control
NC-SP-phage-09-7	catcaggcagagtctcatgtaactgcgccgttaac	Generic negative control
NC-SP-phage-09-11	ctctgggaacaatatgaattacagcgcctcagggc	Generic negative control
NC-SP-phage-12-6	gttacggttgatttcagttgggtccacttatcgc	Generic negative control
NC-SP-phage-12-14	ccagtaactggctgaacacaccgttgatgatctgc	Generic negative control
NC-SP-phage-12-15	catgttctgatacaggttgtaaccagccagtagt	Generic negative control
NC-bacteria-10-7	gaagaagaatcagggcgacacggctcctcattttg	Generic negative control
NC-bacteria-10-2	cgagctcaacagcgtccagaataacggtgaaaca	Generic negative control
NC-bacteria-10-5	catgtatcttgcaaacggcaatcgacaccagctctg	Generic negative control
NC-bacteria-9-4	aaaggagctatgtcgagatttcttcggttcccg	Generic negative control
NC-bacteria-9-9	gaagctgtcgctaactattcagtcxaaaggagcta	Generic negative control
NC-bacteria-9-11	gaagtcttcgatgatggatttacgacggtatttca	Generic negative control
NC-bacteria-5-4	ataacgatgggtggcgtgtaacctcggcttatgg	Generic negative control
NC-bacteria-5-11	gtaaggagcatcaaaagactgcggctcatcttggg	Generic negative control
NC-bacteria-5-12	aatgtacaggcgaccagcttgttaacgatgacca	Generic negative control
NC-plant-1	cctaccgtaggtcgacaatatagatattttgttg	Generic negative control
NC-plant-2	gcggaagaagttgtcggagcaatcgtcatgggaa	Generic negative control

NC-plant-3	tggtaacagagttcctctaattgtcacagggaac	Generic negative control
NC-plant-4	agcagatctcaaagattgtaggagacatggacgtc	Generic negative control
NC-plant-5	cagcaagctctagaagttcagaggaggcaggagag	Generic negative control
NC-plant-6	ccaactagcagtagaatcaactatcagcaatggc	Generic negative control
NC-plant-7	ggaagaagaaatacgcacaagttgtgtcacaatg	Generic negative control
NC-plant-8	acattcgcaaggaaccgtgagctagaagttatcca	Generic negative control
vvi snRNAU6 nat as	tgcgtgtcatccttgcgcagg	Custom Positive Control
vvi snRNAU6 2mut as	tgcgtgtcattcttgcgccagg	Custom Positive Control
scaffold_2358 + 1257 1330 10-30 tRNA nat as	cactgccttgatccacttgg	Custom Positive Control
scaffold_2358 + 1257 1330 10-30 tRNA 2mut as	cactgtcttgatcaacttgg	Custom Positive Control
scaffold_105 - 365541 365614 10-30 tRNA nat as	tagcgtgataaccaactaca	Custom Positive Control
scaffold_105 - 365541 365614 10-30 tRNA 2mut as	tagcctgataacaaactaca	Custom Positive Control
scaffold_111 + 86247 86318 10-30 tRNA nat as	cccaccagcttccgctgcg	Custom Positive Control
scaffold_111 + 86247 86318 10-30 tRNA 2mut as	cccaccaccttcccctgcg	Custom Positive Control
scaffold_834 - 23630 23701 10-30 tRNA nat as	tcagacgcgctaccattgcg	Custom Positive Control
scaffold_834 - 23630 23701 10-30 tRNA 2mut as	tcagacgcctacaattgcg	Custom Positive Control
vvi miR-1 nat as	gtgctccctctcttctgtca	vvi-miR156a_perfect match probe
vvi miR-1 2mut as	gtgctctctctcttccgtca	vvi-miR156a_mismatch probe
vvi miR-2 nat as	gtgctcactctcttctgtca	vvi-miR156b_perfect match probe
vvi miR-2 2mut as	gtgctccctctcttccgtca	vvi-miR156b_mismatch probe
vvi miR-3 nat as	gtgctcactctctctgtca	vvi-miR156e_perfect match probe
vvi miR-3 2mut as	gtgctccctcttctctgtca	vvi-miR156e_mismatch probe
vvi miR-4 nat as	gtgctctctatcttctgtcaa	vvi-miR156f_perfect match probe
vvi miR-4 2mut as	gtgctccctatcttctctcaa	vvi-miR156f_mismatch probe
vvi miR-5 nat as	atgctctctcttcttctgtca	vvi-miR156h_perfect match probe
vvi miR-5 2mut as	atgctctccctcttccgtca	vvi-miR156h_mismatch probe
vvi miR-6 nat as	gtgctctctatcttctgtca	vvi-miR156i_perfect match probe
vvi miR-6 2mut as	gtgctccctatcttccgtca	vvi-miR156i_mismatch probe
vvi miR-7 nat as	gagagctccctcactccaag	vvi-miR159a_perfect match probe
vvi miR-7 2mut as	gagagctctctcacttcaag	vvi-miR159a_mismatch probe
vvi miR-8 nat as	tgagagctccctcactccaag	vvi-miR159b_perfect match probe
vvi miR-8 2mut as	tgagagctctctcacttcaag	vvi-miR159b_mismatch probe
vvi miR-9 nat as	tagagctccctcaatcctcaaa	vvi-miR159c_perfect match probe
vvi miR-9 2mut as	tagagctctctcaatcctcaaa	vvi-miR159c_mismatch probe

vvi|miR-10|nat|as|
vvi|miR-10|2mut|as|
vvi|miR-11|nat|as|
vvi|miR-11|2mut|as|
vvi|miR-12|nat|as|
vvi|miR-12|2mut|as|
vvi|miR-13|nat|as|
vvi|miR-13|2mut|as|
vvi|miR-14|nat|as|
vvi|miR-14|2mut|as|
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vvi|miR-25|nat|as|
vvi|miR-25|2mut|as|
vvi|miR-26|nat|as|
vvi|miR-26|2mut|as|

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vvi-miR160a_perfect match probe
vvi-miR160a_mismatch probe
vvi-miR160c_perfect match probe
vvi-miR160c_mismatch probe
vvi-miR162_perfect match probe
vvi-miR162_mismatch probe
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vvi-miR169b_perfect match probe
vvi-miR169b_mismatch probe
vvi-miR169d_perfect match probe
vvi-miR169d_mismatch probe

vvi|miR-27|nat|as|
vvi|miR-27|2mut|as|
vvi|miR-28|nat|as|
vvi|miR-28|2mut|as|
vvi|miR-29|nat|as|
vvi|miR-29|2mut|as|
vvi|miR-30|nat|as|
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vvi|miR-42|nat|as|
vvi|miR-42|2mut|as|
vvi|miR-43|nat|as|
vvi|miR-43|2mut|as|

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vvi-miR169e_perfect match probe
vvi-miR169e_mismatch probe
vvi-miR169f_perfect match probe
vvi-miR169f_mismatch probe
vvi-miR169g_perfect match probe
vvi-miR169g_mismatch probe
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vvi-miR171f_perfect match probe
vvi-miR171f_mismatch probe
vvi-miR171g_perfect match probe
vvi-miR171g_mismatch probe

vvi|miR-44|nat|as|
vvi|miR-44|2mut|as|
vvi|miR-45|nat|as|
vvi|miR-45|2mut|as|
vvi|miR-46|nat|as|
vvi|miR-46|2mut|as|
vvi|miR-47|nat|as|
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vvi|miR-60|2mut|as|

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vvi-miR171h_perfect match probe
vvi-miR171h_mismatch probe
vvi-miR171i_perfect match probe
vvi-miR171i_mismatch probe
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vvi-miR396b_perfect match probe
vvi-miR396b_mismatch probe
vvi-miR396c_perfect match probe
vvi-miR396c_mismatch probe

vvi|miR-61|nat|as|
vvi|miR-61|2mut|as|
vvi|miR-62|nat|as|
vvi|miR-62|2mut|as|
vvi|miR-63|nat|as|
vvi|miR-63|2mut|as|
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vvi|miR-75|2mut|as|
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vvi|miR-76|2mut|as|
vvi|miR-77|nat|as|
vvi|miR-77|2mut|as|

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caggaaaaactctcttaggca
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agggccaaactctctttggca
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vvi-miR397a_perfect match probe
vvi-miR397a_mismatch probe
vvi-miR398a_perfect match probe
vvi-miR398a_mismatch probe
vvi-miR398b_perfect match probe
vvi-miR398b_mismatch probe
vvi-miR399a_perfect match probe
vvi-miR399a_mismatch probe
vvi-miR399b_perfect match probe
vvi-miR399b_mismatch probe
vvi-miR399d_perfect match probe
vvi-miR399d_mismatch probe
vvi-miR399e_perfect match probe
vvi-miR399e_mismatch probe
vvi-miR399f_perfect match probe
vvi-miR399f_mismatch probe
vvi-miR399g_perfect match probe
vvi-miR399g_mismatch probe
vvi-miR399i_perfect match probe
vvi-miR399i_mismatch probe
vvi-miR403a_perfect match probe
vvi-miR403a_mismatch probe
vvi-miR408_perfect match probe
vvi-miR408_mismatch probe
vvi-miR477a_perfect match probe
vvi-miR477a_mismatch probe
vvi-miR479_perfect match probe
vvi-miR479_mismatch probe
vvi-miR482a_perfect match probe
vvi-miR482a_mismatch probe
vvi-miR535a_perfect match probe
vvi-miR535a_mismatch probe
vvi-miR828a_perfect match probe
vvi-miR828a_mismatch probe

vvi|miR-78|nat|as|
vvi|miR-78|2mut|as|
vvi|miR-79|nat|as|
vvi|miR-79|2mut|as|
vvi|miR-80|nat|as|
vvi|miR-80|2mut|as|
vvi|miR-81|nat|as|
vvi|miR-81|2mut|as|
vvi|miR-82|nat|as|
vvi|miR-82|2mut|as|
vvi|miR-83|nat|as|
vvi|miR-83|2mut|as|
vvi|miR-84|nat|as|
vvi|miR-84|2mut|as|
vvi|miR-85|nat|as|
vvi|miR-85|2mut|as|
vvi|miR-86|nat|as|
vvi|miR-86|2mut|as|
vvi|miR-87|nat|as|
vvi|miR-87|2mut|as|
vvi|miR-88|nat|as|
vvi|miR-88|2mut|as|
vvi|miR-89|nat|as|
vvi|miR-89|2mut|as|
vvi|miR-90|nat|as|
vvi|miR-90|2mut|as|
vvi|miR-91|nat|as|
vvi|miR-91|2mut|as|
vvi|miR-92|nat|as|
vvi|miR-92|2mut|as|
vvi|miR-93|nat|as|
vvi|miR-93|2mut|as|
vvi|miR-94|nat|as|
vvi|miR-94|2mut|as|

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ccctcccttctcaacata
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vvi-miR828b_perfect match probe
vvi-miR828b_mismatch probe
vvi-miR845a_perfect match probe
vvi-miR845a_mismatch probe
vvi-miR845c_perfect match probe
vvi-miR845c_mismatch probe
vvi-miR845d_perfect match probe
vvi-miR845d_mismatch probe
vvi-miR156a|-5_perfect match probe
vvi-miR156a|-5_mismatch probe
vvi-miR156a|+5_perfect match probe
vvi-miR156a|+5_mismatch probe
vvi-miR156b|-5_perfect match probe
vvi-miR156b|-5_mismatch probe
vvi-miR156b|+5_perfect match probe
vvi-miR156b|+5_mismatch probe
vvi-miR156c|-5_perfect match probe
vvi-miR156c|-5_mismatch probe
vvi-miR156c|+5_perfect match probe
vvi-miR156c|+5_mismatch probe
vvi-miR156d|-5_perfect match probe
vvi-miR156d|-5_mismatch probe
vvi-miR156d|+5_perfect match probe
vvi-miR156d|+5_mismatch probe
vvi-miR156e|-5_perfect match probe
vvi-miR156e|-5_mismatch probe
vvi-miR156e|+5_perfect match probe
vvi-miR156e|+5_mismatch probe
vvi-miR156f|-5_perfect match probe
vvi-miR156f|-5_mismatch probe
vvi-miR156f|+5_perfect match probe
vvi-miR156f|+5_mismatch probe
vvi-miR156g|-5_perfect match probe
vvi-miR156g|-5_mismatch probe

vvi|miR-95|nat|as|
vvi|miR-95|2mut|as|
vvi|miR-96|nat|as|
vvi|miR-96|2mut|as|
vvi|miR-97|nat|as|
vvi|miR-97|2mut|as|
vvi|miR-98|nat|as|
vvi|miR-98|2mut|as|
vvi|miR-99|nat|as|
vvi|miR-99|2mut|as|
vvi|miR-100|nat|as|
vvi|miR-100|2mut|as|
vvi|miR-101|nat|as|
vvi|miR-101|2mut|as|
vvi|miR-102|nat|as|
vvi|miR-102|2mut|as|
vvi|miR-103|nat|as|
vvi|miR-103|2mut|as|
vvi|miR-104|nat|as|
vvi|miR-104|2mut|as|
vvi|miR-105|nat|as|
vvi|miR-105|2mut|as|
vvi|miR-106|nat|as|
vvi|miR-106|2mut|as|
vvi|miR-107|nat|as|
vvi|miR-107|2mut|as|
vvi|miR-108|nat|as|
vvi|miR-108|2mut|as|
vvi|miR-109|nat|as|
vvi|miR-109|2mut|as|
vvi|miR-110|nat|as|
vvi|miR-110|2mut|as|
vvi|miR-111|nat|as|
vvi|miR-111|2mut|as|

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ttagatgccattcagtgagc
acagggagccaggcacaacc
acagggagtcagccacaacc
acgtgtggcatacagggagc
acgtgtgccatacagtgagc

vvi-miR156g|+5_perfect match probe
vvi-miR156g|+5_mismatch probe
vvi-miR156h|-5_perfect match probe
vvi-miR156h|-5_mismatch probe
vvi-miR156h|+5_perfect match probe
vvi-miR156h|+5_mismatch probe
vvi-miR156i|-5_perfect match probe
vvi-miR156i|-5_mismatch probe
vvi-miR156i|+5_perfect match probe
vvi-miR156i|+5_mismatch probe
vvi-miR159a|-5_perfect match probe
vvi-miR159a|-5_mismatch probe
vvi-miR159a|+5_perfect match probe
vvi-miR159a|+5_mismatch probe
vvi-miR159b|-5_perfect match probe
vvi-miR159b|-5_mismatch probe
vvi-miR159b|+5_perfect match probe
vvi-miR159b|+5_mismatch probe
vvi-miR159c|-5_perfect match probe
vvi-miR159c|-5_mismatch probe
vvi-miR159c|+5_perfect match probe
vvi-miR159c|+5_mismatch probe
vvi-miR160a|-5_perfect match probe
vvi-miR160a|-5_mismatch probe
vvi-miR160a|+5_perfect match probe
vvi-miR160a|+5_mismatch probe
vvi-miR160b|-5_perfect match probe
vvi-miR160b|-5_mismatch probe
vvi-miR160b|+5_perfect match probe
vvi-miR160b|+5_mismatch probe
vvi-miR160c|-5_perfect match probe
vvi-miR160c|-5_mismatch probe
vvi-miR160c|+5_perfect match probe
vvi-miR160c|+5_mismatch probe

vvi|miR-112|nat|as|
vvi|miR-112|2mut|as|
vvi|miR-113|nat|as|
vvi|miR-113|2mut|as|
vvi|miR-114|nat|as|
vvi|miR-114|2mut|as|
vvi|miR-115|nat|as|
vvi|miR-115|2mut|as|
vvi|miR-116|nat|as|
vvi|miR-116|2mut|as|
vvi|miR-117|nat|as|
vvi|miR-117|2mut|as|
vvi|miR-118|nat|as|
vvi|miR-118|2mut|as|
vvi|miR-119|nat|as|
vvi|miR-119|2mut|as|
vvi|miR-120|nat|as|
vvi|miR-120|2mut|as|
vvi|miR-121|nat|as|
vvi|miR-121|2mut|as|
vvi|miR-122|nat|as|
vvi|miR-122|2mut|as|
vvi|miR-123|nat|as|
vvi|miR-123|2mut|as|
vvi|miR-124|nat|as|
vvi|miR-124|2mut|as|
vvi|miR-125|nat|as|
vvi|miR-125|2mut|as|
vvi|miR-126|nat|as|
vvi|miR-126|2mut|as|
vvi|miR-127|nat|as|
vvi|miR-127|2mut|as|
vvi|miR-128|nat|as|
vvi|miR-128|2mut|as|

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gcaaatgccatacagtgagc
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gcaaatgccatacagtgagc
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tgaagcctggtccgagggca
tgaagtctggtcagagggca

vvi-miR160d|-5_perfect match probe
vvi-miR160d|-5_mismatch probe
vvi-miR160d|+5_perfect match probe
vvi-miR160d|+5_mismatch probe
vvi-miR160e|-5_perfect match probe
vvi-miR160e|-5_mismatch probe
vvi-miR160e|+5_perfect match probe
vvi-miR160e|+5_mismatch probe
vvi-miR160f|-5_perfect match probe
vvi-miR160f|-5_mismatch probe
vvi-miR160f|+5_perfect match probe
vvi-miR160f|+5_mismatch probe
vvi-miR162|-5_perfect match probe
vvi-miR162|-5_mismatch probe
vvi-miR162|+5_perfect match probe
vvi-miR162|+5_mismatch probe
vvi-miR164a|-5_perfect match probe
vvi-miR164a|-5_mismatch probe
vvi-miR164a|+5_perfect match probe
vvi-miR164a|+5_mismatch probe
vvi-miR164b|-5_perfect match probe
vvi-miR164b|-5_mismatch probe
vvi-miR164b|+5_perfect match probe
vvi-miR164b|+5_mismatch probe
vvi-miR164d|-5_perfect match probe
vvi-miR164d|-5_mismatch probe
vvi-miR164d|+5_perfect match probe
vvi-miR164d|+5_mismatch probe
vvi-miR166c|-5_perfect match probe
vvi-miR166c|-5_mismatch probe
vvi-miR166c|+5_perfect match probe
vvi-miR166c|+5_mismatch probe
vvi-miR166d|-5_perfect match probe
vvi-miR166d|-5_mismatch probe

vvi|miR-129|nat|as|
vvi|miR-129|2mut|as|
vvi|miR-130|nat|as|
vvi|miR-130|2mut|as|
vvi|miR-131|nat|as|
vvi|miR-131|2mut|as|
vvi|miR-132|nat|as|
vvi|miR-132|2mut|as|
vvi|miR-133|nat|as|
vvi|miR-133|2mut|as|
vvi|miR-134|nat|as|
vvi|miR-134|2mut|as|
vvi|miR-135|nat|as|
vvi|miR-135|2mut|as|
vvi|miR-136|nat|as|
vvi|miR-136|2mut|as|
vvi|miR-137|nat|as|
vvi|miR-137|2mut|as|
vvi|miR-138|nat|as|
vvi|miR-138|2mut|as|
vvi|miR-139|nat|as|
vvi|miR-139|2mut|as|
vvi|miR-140|nat|as|
vvi|miR-140|2mut|as|
vvi|miR-141|nat|as|
vvi|miR-141|2mut|as|
vvi|miR-142|nat|as|
vvi|miR-142|2mut|as|
vvi|miR-143|nat|as|
vvi|miR-143|2mut|as|
vvi|miR-144|nat|as|
vvi|miR-144|2mut|as|
vvi|miR-145|nat|as|
vvi|miR-145|2mut|as|

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vvi-miR166d|+5_perfect match probe
vvi-miR166d|+5_mismatch probe
vvi-miR166e|-5_perfect match probe
vvi-miR166e|-5_mismatch probe
vvi-miR166e|+5_perfect match probe
vvi-miR166e|+5_mismatch probe
vvi-miR166f|-5_perfect match probe
vvi-miR166f|-5_mismatch probe
vvi-miR166f|+5_perfect match probe
vvi-miR166f|+5_mismatch probe
vvi-miR166g|-5_perfect match probe
vvi-miR166g|-5_mismatch probe
vvi-miR166g|+5_perfect match probe
vvi-miR166g|+5_mismatch probe
vvi-miR166h|-5_perfect match probe
vvi-miR166h|-5_mismatch probe
vvi-miR166h|+5_perfect match probe
vvi-miR166h|+5_mismatch probe
vvi-miR166a|-5_perfect match probe
vvi-miR166a|-5_mismatch probe
vvi-miR166a|+5_perfect match probe
vvi-miR166a|+5_mismatch probe
vvi-miR166b|-5_perfect match probe
vvi-miR166b|-5_mismatch probe
vvi-miR166b|+5_perfect match probe
vvi-miR166b|+5_mismatch probe
vvi-miR167a|-5_perfect match probe
vvi-miR167a|-5_mismatch probe
vvi-miR167a|+5_perfect match probe
vvi-miR167a|+5_mismatch probe
vvi-miR167b|-5_perfect match probe
vvi-miR167b|-5_mismatch probe
vvi-miR167b|+5_perfect match probe
vvi-miR167b|+5_mismatch probe

vvi|miR-146|nat|as|
vvi|miR-146|2mut|as|
vvi|miR-147|nat|as|
vvi|miR-147|2mut|as|
vvi|miR-148|nat|as|
vvi|miR-148|2mut|as|
vvi|miR-149|nat|as|
vvi|miR-149|2mut|as|
vvi|miR-150|nat|as|
vvi|miR-150|2mut|as|
vvi|miR-151|nat|as|
vvi|miR-151|2mut|as|
vvi|miR-152|nat|as|
vvi|miR-152|2mut|as|
vvi|miR-153|nat|as|
vvi|miR-153|2mut|as|
vvi|miR-154|nat|as|
vvi|miR-154|2mut|as|
vvi|miR-155|nat|as|
vvi|miR-155|2mut|as|
vvi|miR-156|nat|as|
vvi|miR-156|2mut|as|
vvi|miR-157|nat|as|
vvi|miR-157|2mut|as|
vvi|miR-158|nat|as|
vvi|miR-158|2mut|as|
vvi|miR-159|nat|as|
vvi|miR-159|2mut|as|
vvi|miR-160|nat|as|
vvi|miR-160|2mut|as|
vvi|miR-161|nat|as|
vvi|miR-161|2mut|as|
vvi|miR-162|nat|as|
vvi|miR-162|2mut|as|

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agtcattcctggctgcattc
catctccggcaagtcattc
catctccgccaagccattc
aatcattcctggctgcattc
aatcattcctggctgcattc

vvi-miR167c|-5_perfect match probe
vvi-miR167c|-5_mismatch probe
vvi-miR167c|+5_perfect match probe
vvi-miR167c|+5_mismatch probe
vvi-miR167d|-5_perfect match probe
vvi-miR167d|-5_mismatch probe
vvi-miR167d|+5_perfect match probe
vvi-miR167d|+5_mismatch probe
vvi-miR167e|-5_perfect match probe
vvi-miR167e|-5_mismatch probe
vvi-miR167e|+5_perfect match probe
vvi-miR167e|+5_mismatch probe
vvi-miR168|-5_perfect match probe
vvi-miR168|-5_mismatch probe
vvi-miR168|+5_perfect match probe
vvi-miR168|+5_mismatch probe
vvi-miR169a|-5_perfect match probe
vvi-miR169a|-5_mismatch probe
vvi-miR169a|+5_perfect match probe
vvi-miR169a|+5_mismatch probe
vvi-miR169y|-5_perfect match probe
vvi-miR169y|-5_mismatch probe
vvi-miR169y|+5_perfect match probe
vvi-miR169y|+5_mismatch probe
vvi-miR169b|-5_perfect match probe
vvi-miR169b|-5_mismatch probe
vvi-miR169b|+5_perfect match probe
vvi-miR169b|+5_mismatch probe
vvi-miR169c|-5_perfect match probe
vvi-miR169c|-5_mismatch probe
vvi-miR169c|+5_perfect match probe
vvi-miR169c|+5_mismatch probe
vvi-miR169d|-5_perfect match probe
vvi-miR169d|-5_mismatch probe

vvi|miR-163|nat|as|
vvi|miR-163|2mut|as|
vvi|miR-164|nat|as|
vvi|miR-164|2mut|as|
vvi|miR-165|nat|as|
vvi|miR-165|2mut|as|
vvi|miR-166|nat|as|
vvi|miR-166|2mut|as|
vvi|miR-167|nat|as|
vvi|miR-167|2mut|as|
vvi|miR-168|nat|as|
vvi|miR-168|2mut|as|
vvi|miR-169|nat|as|
vvi|miR-169|2mut|as|
vvi|miR-170|nat|as|
vvi|miR-170|2mut|as|
vvi|miR-171|nat|as|
vvi|miR-171|2mut|as|
vvi|miR-172|nat|as|
vvi|miR-172|2mut|as|
vvi|miR-173|nat|as|
vvi|miR-173|2mut|as|
vvi|miR-174|nat|as|
vvi|miR-174|2mut|as|
vvi|miR-175|nat|as|
vvi|miR-175|2mut|as|
vvi|miR-176|nat|as|
vvi|miR-176|2mut|as|
vvi|miR-177|nat|as|
vvi|miR-177|2mut|as|
vvi|miR-178|nat|as|
vvi|miR-178|2mut|as|
vvi|miR-179|nat|as|
vvi|miR-179|2mut|as|

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gaattccgccaagccatcct
agtcaccttggtcaattc
agtcattcttgctcaattc
aaaggacggcaagtcacct
aaaggacgccaagccatcct

vvi-miR169d|+5_perfect match probe
vvi-miR169d|+5_mismatch probe
vvi-miR169e|-5_perfect match probe
vvi-miR169e|-5_mismatch probe
vvi-miR169e|+5_perfect match probe
vvi-miR169e|+5_mismatch probe
vvi-miR169f|-5_perfect match probe
vvi-miR169f|-5_mismatch probe
vvi-miR169f|+5_perfect match probe
vvi-miR169f|+5_mismatch probe
vvi-miR169g|-5_perfect match probe
vvi-miR169g|-5_mismatch probe
vvi-miR169g|+5_perfect match probe
vvi-miR169g|+5_mismatch probe
vvi-miR169h|-5_perfect match probe
vvi-miR169h|-5_mismatch probe
vvi-miR169h|+5_perfect match probe
vvi-miR169h|+5_mismatch probe
vvi-miR169i|-5_perfect match probe
vvi-miR169i|-5_mismatch probe
vvi-miR169i|+5_perfect match probe
vvi-miR169i|+5_mismatch probe
vvi-miR169j|-5_perfect match probe
vvi-miR169j|-5_mismatch probe
vvi-miR169j|+5_perfect match probe
vvi-miR169j|+5_mismatch probe
vvi-miR169k|-5_perfect match probe
vvi-miR169k|-5_mismatch probe
vvi-miR169k|+5_perfect match probe
vvi-miR169k|+5_mismatch probe
vvi-miR169l|-5_perfect match probe
vvi-miR169l|-5_mismatch probe
vvi-miR169l|+5_perfect match probe
vvi-miR169l|+5_mismatch probe

vvi|miR-180|nat|as|
vvi|miR-180|2mut|as|

vvi|miR-181|nat|as|
vvi|miR-181|2mut|as|
vvi|miR-182|nat|as|
vvi|miR-182|2mut|as|
vvi|miR-183|nat|as|
vvi|miR-183|2mut|as|
vvi|miR-184|nat|as|
vvi|miR-184|2mut|as|
vvi|miR-185|nat|as|
vvi|miR-185|2mut|as|
vvi|miR-186|nat|as|
vvi|miR-186|2mut|as|
vvi|miR-187|nat|as|
vvi|miR-187|2mut|as|
vvi|miR-188|nat|as|
vvi|miR-188|2mut|as|
vvi|miR-189|nat|as|
vvi|miR-189|2mut|as|
vvi|miR-190|nat|as|
vvi|miR-190|2mut|as|
vvi|miR-191|nat|as|
vvi|miR-191|2mut|as|
vvi|miR-192|nat|as|
vvi|miR-192|2mut|as|
vvi|miR-193|nat|as|
vvi|miR-193|2mut|as|
vvi|miR-194|nat|as|
vvi|miR-194|2mut|as|
vvi|miR-195|nat|as|
vvi|miR-195|2mut|as|
vvi|miR-196|nat|as|

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agtcattcttgctcacttc

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agctgccgccaagccatct
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gtcaccttgactgattcc
gtcattcttgactagattcc
tatatcggaagtcacctt
tatatcgccaagccatctt
gtcaccttgactcaattcc

vvi-miR169m|-5_perfect match probe
vvi-miR169m|-5_mismatch probe
vvi-miR169m|+5_perfect match
probe
vvi-miR169m|+5_mismatch probe
vvi-miR169n|-5_perfect match probe
vvi-miR169n|-5_mismatch probe
vvi-miR169n|+5_perfect match probe
vvi-miR169n|+5_mismatch probe
vvi-miR169o|-5_perfect match probe
vvi-miR169o|-5_mismatch probe
vvi-miR169o|+5_perfect match probe
vvi-miR169o|+5_mismatch probe
vvi-miR169p|-5_perfect match probe
vvi-miR169p|-5_mismatch probe
vvi-miR169p|+5_perfect match probe
vvi-miR169p|+5_mismatch probe
vvi-miR169q|-5_perfect match probe
vvi-miR169q|-5_mismatch probe
vvi-miR169q|+5_perfect match probe
vvi-miR169q|+5_mismatch probe
vvi-miR169r|-5_perfect match probe
vvi-miR169r|-5_mismatch probe
vvi-miR169r|+5_perfect match probe
vvi-miR169r|+5_mismatch probe
vvi-miR169s|-5_perfect match probe
vvi-miR169s|-5_mismatch probe
vvi-miR169s|+5_perfect match probe
vvi-miR169s|+5_mismatch probe
vvi-miR169t|-5_perfect match probe
vvi-miR169t|-5_mismatch probe
vvi-miR169t|+5_perfect match probe
vvi-miR169t|+5_mismatch probe
vvi-miR169u|-5_perfect match probe

vvi|miR-196|2mut|as|
vvi|miR-197|nat|as|
vvi|miR-197|2mut|as|
vvi|miR-198|nat|as|
vvi|miR-198|2mut|as|
vvi|miR-199|nat|as|
vvi|miR-199|2mut|as|
vvi|miR-200|nat|as|
vvi|miR-200|2mut|as|

vvi|miR-201|nat|as|
vvi|miR-201|2mut|as|
vvi|miR-202|nat|as|
vvi|miR-202|2mut|as|
vvi|miR-203|nat|as|
vvi|miR-203|2mut|as|
vvi|miR-204|nat|as|
vvi|miR-204|2mut|as|
vvi|miR-205|nat|as|
vvi|miR-205|2mut|as|
vvi|miR-206|nat|as|
vvi|miR-206|2mut|as|
vvi|miR-207|nat|as|
vvi|miR-207|2mut|as|
vvi|miR-208|nat|as|
vvi|miR-208|2mut|as|
vvi|miR-209|nat|as|
vvi|miR-209|2mut|as|
vvi|miR-210|nat|as|
vvi|miR-210|2mut|as|
vvi|miR-211|nat|as|
vvi|miR-211|2mut|as|
vvi|miR-212|nat|as|
vvi|miR-212|2mut|as|

gtcattcttgccctcaattcc
tataacggcaagtcacctt
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attcattcttggtttgttc
attcattcttgctttgttc
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taggacgtgatattggcacg
taggacctgatattgccacg
ggcgcggtcaatcagagat
ggcgaggctcaatccgagat

vvi-miR169u|-5_ mismatch probe
vvi-miR169u|+5_ perfect match probe
vvi-miR169u|+5_ mismatch probe
vvi-miR169v|-5_ perfect match probe
vvi-miR169v|-5_ mismatch probe
vvi-miR169v|+5_ perfect match probe
vvi-miR169v|+5_ mismatch probe
vvi-miR169w|-5_ perfect match probe
vvi-miR169w|-5_ mismatch probe
vvi-miR169w|+5_ perfect match
probe
vvi-miR169w|+5_ mismatch probe
vvi-miR169x|-5_ perfect match probe
vvi-miR169x|-5_ mismatch probe
vvi-miR169x|+5_ perfect match probe
vvi-miR169x|+5_ mismatch probe
vvi-miR171a|-5_ perfect match probe
vvi-miR171a|-5_ mismatch probe
vvi-miR171a|+5_ perfect match probe
vvi-miR171a|+5_ mismatch probe
vvi-miR171b|-5_ perfect match probe
vvi-miR171b|-5_ mismatch probe
vvi-miR171b|+5_ perfect match probe
vvi-miR171b|+5_ mismatch probe
vvi-miR171c|-5_ perfect match probe
vvi-miR171c|-5_ mismatch probe
vvi-miR171c|+5_ perfect match probe
vvi-miR171c|+5_ mismatch probe
vvi-miR171d|-5_ perfect match probe
vvi-miR171d|-5_ mismatch probe
vvi-miR171d|+5_ perfect match probe
vvi-miR171d|+5_ mismatch probe
vvi-miR171e|-5_ perfect match probe
vvi-miR171e|-5_ mismatch probe

vvi|miR-213|nat|as|
vvi|miR-213|2mut|as|
vvi|miR-214|nat|as|
vvi|miR-214|2mut|as|
vvi|miR-215|nat|as|
vvi|miR-215|2mut|as|
vvi|miR-216|nat|as|
vvi|miR-216|2mut|as|
vvi|miR-217|nat|as|
vvi|miR-217|2mut|as|
vvi|miR-218|nat|as|
vvi|miR-218|2mut|as|
vvi|miR-219|nat|as|
vvi|miR-219|2mut|as|
vvi|miR-220|nat|as|
vvi|miR-220|2mut|as|
vvi|miR-221|nat|as|
vvi|miR-221|2mut|as|
vvi|miR-222|nat|as|
vvi|miR-222|2mut|as|
vvi|miR-223|nat|as|
vvi|miR-223|2mut|as|
vvi|miR-224|nat|as|
vvi|miR-224|2mut|as|
vvi|miR-225|nat|as|
vvi|miR-225|2mut|as|
vvi|miR-226|nat|as|
vvi|miR-226|2mut|as|
vvi|miR-227|nat|as|
vvi|miR-227|2mut|as|
vvi|miR-228|nat|as|
vvi|miR-228|2mut|as|
vvi|miR-229|nat|as|
vvi|miR-229|2mut|as|

aaagtgatattggcgcggct
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attggcgaggttcaatctga
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tgccaatgtagaatcatcaa
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catcataaagatttccacat
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tgcccctgcagaatcatcaa
catcatcaagatttccatct
catcataaagatttcaatct
tgccaatgcagcatcatcaa
tgccaatgaagaatcatcaa

vvi-miR171e|+5_perfect match probe
vvi-miR171e|+5_mismatch probe
vvi-miR171f|-5_perfect match probe
vvi-miR171f|-5_mismatch probe
vvi-miR171f|+5_perfect match probe
vvi-miR171f|+5_mismatch probe
vvi-miR171g|-5_perfect match probe
vvi-miR171g|-5_mismatch probe
vvi-miR171g|+5_perfect match probe
vvi-miR171g|+5_mismatch probe
vvi-miR171h|-5_perfect match probe
vvi-miR171h|-5_mismatch probe
vvi-miR171h|+5_perfect match probe
vvi-miR171h|+5_mismatch probe
vvi-miR171i|-5_perfect match probe
vvi-miR171i|-5_mismatch probe
vvi-miR171i|+5_perfect match probe
vvi-miR171i|+5_mismatch probe
vvi-miR172a|-5_perfect match probe
vvi-miR172a|-5_mismatch probe
vvi-miR172a|+5_perfect match probe
vvi-miR172a|+5_mismatch probe
vvi-miR172b|-5_perfect match probe
vvi-miR172b|-5_mismatch probe
vvi-miR172b|+5_perfect match probe
vvi-miR172b|+5_mismatch probe
vvi-miR172c|-5_perfect match probe
vvi-miR172c|-5_mismatch probe
vvi-miR172c|+5_perfect match probe
vvi-miR172c|+5_mismatch probe
vvi-miR172d|-5_perfect match probe
vvi-miR172d|-5_mismatch probe
vvi-miR172d|+5_perfect match probe
vvi-miR172d|+5_mismatch probe

vvi|miR-230|nat|as|
vvi|miR-230|2mut|as|
vvi|miR-231|nat|as|
vvi|miR-231|2mut|as|
vvi|miR-232|nat|as|
vvi|miR-232|2mut|as|
vvi|miR-233|nat|as|
vvi|miR-233|2mut|as|
vvi|miR-234|nat|as|
vvi|miR-234|2mut|as|
vvi|miR-235|nat|as|
vvi|miR-235|2mut|as|
vvi|miR-236|nat|as|
vvi|miR-236|2mut|as|
vvi|miR-237|nat|as|
vvi|miR-237|2mut|as|
vvi|miR-238|nat|as|
vvi|miR-238|2mut|as|
vvi|miR-239|nat|as|
vvi|miR-239|2mut|as|
vvi|miR-240|nat|as|
vvi|miR-240|2mut|as|
vvi|miR-241|nat|as|
vvi|miR-241|2mut|as|
vvi|miR-242|nat|as|
vvi|miR-242|2mut|as|
vvi|miR-243|nat|as|
vvi|miR-243|2mut|as|
vvi|miR-244|nat|as|
vvi|miR-244|2mut|as|
vvi|miR-245|nat|as|
vvi|miR-245|2mut|as|
vvi|miR-246|nat|as|
vvi|miR-246|2mut|as|

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gccttgggagctctcttcag
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tgcgatctctttgatgct
gtttgggatcaatgcatcc
gtttgtgatcaatgagatcc
tggacagaatgcaaaatgg
tggaaagaatgtcaaaatgg

vvi-miR319b|-5_perfect match probe
vvi-miR319b|-5_mismatch probe
vvi-miR319b|+5_perfect match probe
vvi-miR319b|+5_mismatch probe
vvi-miR319c|-5_perfect match probe
vvi-miR319c|-5_mismatch probe
vvi-miR319c|+5_perfect match probe
vvi-miR319c|+5_mismatch probe
vvi-miR319e|-5_perfect match probe
vvi-miR319e|-5_mismatch probe
vvi-miR319e|+5_perfect match probe
vvi-miR319e|+5_mismatch probe
vvi-miR319f|-5_perfect match probe
vvi-miR319f|-5_mismatch probe
vvi-miR319f|+5_perfect match probe
vvi-miR319f|+5_mismatch probe
vvi-miR319g|-5_perfect match probe
vvi-miR319g|-5_mismatch probe
vvi-miR319g|+5_perfect match probe
vvi-miR319g|+5_mismatch probe
vvi-miR390|-5_perfect match probe
vvi-miR390|-5_mismatch probe
vvi-miR390|+5_perfect match probe
vvi-miR390|+5_mismatch probe
vvi-miR393a|-5_perfect match probe
vvi-miR393a|-5_mismatch probe
vvi-miR393a|+5_perfect match probe
vvi-miR393a|+5_mismatch probe
vvi-miR393b|-5_perfect match probe
vvi-miR393b|-5_mismatch probe
vvi-miR393b|+5_perfect match probe
vvi-miR393b|+5_mismatch probe
vvi-miR394a|-5_perfect match probe
vvi-miR394a|-5_mismatch probe

vvi|miR-247|nat|as|
vvi|miR-247|2mut|as|
vvi|miR-248|nat|as|
vvi|miR-248|2mut|as|
vvi|miR-249|nat|as|
vvi|miR-249|2mut|as|
vvi|miR-250|nat|as|
vvi|miR-250|2mut|as|
vvi|miR-251|nat|as|
vvi|miR-251|2mut|as|
vvi|miR-252|nat|as|
vvi|miR-252|2mut|as|
vvi|miR-253|nat|as|
vvi|miR-253|2mut|as|
vvi|miR-254|nat|as|
vvi|miR-254|2mut|as|
vvi|miR-255|nat|as|
vvi|miR-255|2mut|as|
vvi|miR-256|nat|as|
vvi|miR-256|2mut|as|
vvi|miR-257|nat|as|
vvi|miR-257|2mut|as|
vvi|miR-258|nat|as|
vvi|miR-258|2mut|as|
vvi|miR-259|nat|as|
vvi|miR-259|2mut|as|
vvi|miR-260|nat|as|
vvi|miR-260|2mut|as|
vvi|miR-261|nat|as|
vvi|miR-261|2mut|as|
vvi|miR-262|nat|as|
vvi|miR-262|2mut|as|
vvi|miR-263|nat|as|
vvi|miR-263|2mut|as|

tgcatggaggtggacagaat
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accaggagttccccaaaca
accagaagttccctcaaca
ccccaaacacttcagtggga
ccccaaacccttcagcggga
accaggagttccccaaaca
accagaagttccctcaaca

vvi-miR394a|+5_perfect match probe
vvi-miR394a|+5_mismatch probe
vvi-miR394b|-5_perfect match probe
vvi-miR394b|-5_mismatch probe
vvi-miR394b|+5_perfect match probe
vvi-miR394b|+5_mismatch probe
vvi-miR394c|-5_perfect match probe
vvi-miR394c|-5_mismatch probe
vvi-miR394c|+5_perfect match probe
vvi-miR394c|+5_mismatch probe
vvi-miR395a|-5_perfect match probe
vvi-miR395a|-5_mismatch probe
vvi-miR395a|+5_perfect match probe
vvi-miR395a|+5_mismatch probe
vvi-miR395b|-5_perfect match probe
vvi-miR395b|-5_mismatch probe
vvi-miR395b|+5_perfect match probe
vvi-miR395b|+5_mismatch probe
vvi-miR395c|-5_perfect match probe
vvi-miR395c|-5_mismatch probe
vvi-miR395c|+5_perfect match probe
vvi-miR395c|+5_mismatch probe
vvi-miR395d|-5_perfect match probe
vvi-miR395d|-5_mismatch probe
vvi-miR395d|+5_perfect match probe
vvi-miR395d|+5_mismatch probe
vvi-miR395e|-5_perfect match probe
vvi-miR395e|-5_mismatch probe
vvi-miR395e|+5_perfect match probe
vvi-miR395e|+5_mismatch probe
vvi-miR395f|-5_perfect match probe
vvi-miR395f|-5_mismatch probe
vvi-miR395f|+5_perfect match probe
vvi-miR395f|+5_mismatch probe

vvi|miR-264|nat|as|
vvi|miR-264|2mut|as|
vvi|miR-265|nat|as|
vvi|miR-265|2mut|as|
vvi|miR-266|nat|as|
vvi|miR-266|2mut|as|
vvi|miR-267|nat|as|
vvi|miR-267|2mut|as|
vvi|miR-268|nat|as|
vvi|miR-268|2mut|as|
vvi|miR-269|nat|as|
vvi|miR-269|2mut|as|
vvi|miR-270|nat|as|
vvi|miR-270|2mut|as|
vvi|miR-271|nat|as|
vvi|miR-271|2mut|as|
vvi|miR-272|nat|as|
vvi|miR-272|2mut|as|
vvi|miR-273|nat|as|
vvi|miR-273|2mut|as|
vvi|miR-274|nat|as|
vvi|miR-274|2mut|as|
vvi|miR-275|nat|as|
vvi|miR-275|2mut|as|
vvi|miR-276|nat|as|
vvi|miR-276|2mut|as|

vvi|miR-277|nat|as|
vvi|miR-277|2mut|as|
vvi|miR-278|nat|as|
vvi|miR-278|2mut|as|
vvi|miR-279|nat|as|
vvi|miR-279|2mut|as|
vvi|miR-280|nat|as|

ccccaaacacttcagtagga
ccccaaaccctccgtagga
accgggagttccccaaaca
accgtgagttccctcaaaca
ccccaaacacttcagtagga
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ctccagactcttcagtagag
ctccagcctcttcgtagag
accaagagttcctccagact
accaagactctcctcaagact
agaaagctgtgggaggacat

vvi-miR395g|-5_ perfect match probe
vvi-miR395g|-5_ mismatch probe
vvi-miR395g|+5_ perfect match probe
vvi-miR395g|+5_ mismatch probe
vvi-miR395h|-5_ perfect match probe
vvi-miR395h|-5_ mismatch probe
vvi-miR395h|+5_ perfect match probe
vvi-miR395h|+5_ mismatch probe
vvi-miR395i|-5_ perfect match probe
vvi-miR395i|-5_ mismatch probe
vvi-miR395i|+5_ perfect match probe
vvi-miR395i|+5_ mismatch probe
vvi-miR395j|-5_ perfect match probe
vvi-miR395j|-5_ mismatch probe
vvi-miR395j|+5_ perfect match probe
vvi-miR395j|+5_ mismatch probe
vvi-miR395k|-5_ perfect match probe
vvi-miR395k|-5_ mismatch probe
vvi-miR395k|+5_ perfect match probe
vvi-miR395k|+5_ mismatch probe
vvi-miR395l|-5_ perfect match probe
vvi-miR395l|-5_ mismatch probe
vvi-miR395l|+5_ perfect match probe
vvi-miR395l|+5_ mismatch probe
vvi-miR395m|-5_ perfect match probe
vvi-miR395m|-5_ mismatch probe
vvi-miR395m|+5_ perfect match
probe
vvi-miR395m|+5_ mismatch probe
vvi-miR395n|-5_ perfect match probe
vvi-miR395n|-5_ mismatch probe
vvi-miR395n|+5_ perfect match probe
vvi-miR395n|+5_ mismatch probe
vvi-miR396a|-5_ perfect match probe

vvi|miR-280|2mut|as|
vvi|miR-281|nat|as|
vvi|miR-281|2mut|as|
vvi|miR-282|nat|as|
vvi|miR-282|2mut|as|
vvi|miR-283|nat|as|
vvi|miR-283|2mut|as|
vvi|miR-284|nat|as|
vvi|miR-284|2mut|as|
vvi|miR-285|nat|as|
vvi|miR-285|2mut|as|
vvi|miR-286|nat|as|
vvi|miR-286|2mut|as|
vvi|miR-287|nat|as|
vvi|miR-287|2mut|as|
vvi|miR-288|nat|as|
vvi|miR-288|2mut|as|
vvi|miR-289|nat|as|
vvi|miR-289|2mut|as|
vvi|miR-290|nat|as|
vvi|miR-290|2mut|as|
vvi|miR-291|nat|as|
vvi|miR-291|2mut|as|
vvi|miR-292|nat|as|
vvi|miR-292|2mut|as|
vvi|miR-293|nat|as|
vvi|miR-293|2mut|as|
vvi|miR-294|nat|as|
vvi|miR-294|2mut|as|
vvi|miR-295|nat|as|
vvi|miR-295|2mut|as|
vvi|miR-296|nat|as|
vvi|miR-296|2mut|as|
vvi|miR-297|nat|as|

agaaagttgtgaggacat
aatagaagctcaagaaagct
aatagaagttaaagaaagct
agaaagctgtgggaaacat
agaaagttgtgtgaaacat
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cactaaagttaaagaaagct
aagaaagctgtggaagatca
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caaacagttcaagaaagct
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cgctgcactcaatgatgttt
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cccaaagggtgatctgag
cgacctgagaacacatgaga
cgacttgagaacccatgaga
tccagcagggcgacctgag
tccagcaggtgagacctgag
cgacctgagaacacatgaga
cgacttgagaacccatgaga
tccagcagggcgacctgag

vvi-miR396a|-5_mismatch probe
vvi-miR396a|+5_perfect match probe
vvi-miR396a|+5_mismatch probe
vvi-miR396b|-5_perfect match probe
vvi-miR396b|-5_mismatch probe
vvi-miR396b|+5_perfect match probe
vvi-miR396b|+5_mismatch probe
vvi-miR396c|-5_perfect match probe
vvi-miR396c|-5_mismatch probe
vvi-miR396c|+5_perfect match probe
vvi-miR396c|+5_mismatch probe
vvi-miR396d|-5_perfect match probe
vvi-miR396d|-5_mismatch probe
vvi-miR396d|+5_perfect match probe
vvi-miR396d|+5_mismatch probe
vvi-miR397a|-5_perfect match probe
vvi-miR397a|-5_mismatch probe
vvi-miR397a|+5_perfect match probe
vvi-miR397a|+5_mismatch probe
vvi-miR397b|-5_perfect match probe
vvi-miR397b|-5_mismatch probe
vvi-miR397b|+5_perfect match probe
vvi-miR397b|+5_mismatch probe
vvi-miR398a|-5_perfect match probe
vvi-miR398a|-5_mismatch probe
vvi-miR398a|+5_perfect match probe
vvi-miR398a|+5_mismatch probe
vvi-miR398b|-5_perfect match probe
vvi-miR398b|-5_mismatch probe
vvi-miR398b|+5_perfect match probe
vvi-miR398b|+5_mismatch probe
vvi-miR398c|-5_perfect match probe
vvi-miR398c|-5_mismatch probe
vvi-miR398c|+5_perfect match probe

vvi|miR-297|2mut|as|
vvi|miR-298|nat|as|
vvi|miR-298|2mut|as|
vvi|miR-299|nat|as|
vvi|miR-299|2mut|as|
vvi|miR-300|nat|as|
vvi|miR-300|2mut|as|
vvi|miR-301|nat|as|
vvi|miR-301|2mut|as|
vvi|miR-302|nat|as|
vvi|miR-302|2mut|as|
vvi|miR-303|nat|as|
vvi|miR-303|2mut|as|
vvi|miR-304|nat|as|
vvi|miR-304|2mut|as|
vvi|miR-305|nat|as|
vvi|miR-305|2mut|as|
vvi|miR-306|nat|as|
vvi|miR-306|2mut|as|
vvi|miR-307|nat|as|
vvi|miR-307|2mut|as|
vvi|miR-308|nat|as|
vvi|miR-308|2mut|as|
vvi|miR-309|nat|as|
vvi|miR-309|2mut|as|
vvi|miR-310|nat|as|
vvi|miR-310|2mut|as|
vvi|miR-311|nat|as|
vvi|miR-311|2mut|as|
vvi|miR-312|nat|as|
vvi|miR-312|2mut|as|
vvi|miR-313|nat|as|
vvi|miR-313|2mut|as|
vvi|miR-314|nat|as|

tccagcaggtgagacctgag
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aattctctttggcagagca
aataacagggcaattctcct
aataacaggcaattctcct
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aattgagggcaaatctcct
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aattcttctttgcaaaaca
aatggcagggcaattctcct
aatggcagggcaaatctcct
aactctcctttggcgggtca

vvi-miR398c|+5_mismatch probe
vvi-miR399a|-5_perfect match probe
vvi-miR399a|-5_mismatch probe
vvi-miR399a|+5_perfect match probe
vvi-miR399a|+5_mismatch probe
vvi-miR399b|-5_perfect match probe
vvi-miR399b|-5_mismatch probe
vvi-miR399b|+5_perfect match probe
vvi-miR399b|+5_mismatch probe
vvi-miR399c|-5_perfect match probe
vvi-miR399c|-5_mismatch probe
vvi-miR399c|+5_perfect match probe
vvi-miR399c|+5_mismatch probe
vvi-miR399d|-5_perfect match probe
vvi-miR399d|-5_mismatch probe
vvi-miR399d|+5_perfect match probe
vvi-miR399d|+5_mismatch probe
vvi-miR399e|-5_perfect match probe
vvi-miR399e|-5_mismatch probe
vvi-miR399e|+5_perfect match probe
vvi-miR399e|+5_mismatch probe
vvi-miR399f|-5_perfect match probe
vvi-miR399f|-5_mismatch probe
vvi-miR399f|+5_perfect match probe
vvi-miR399f|+5_mismatch probe
vvi-miR399g|-5_perfect match probe
vvi-miR399g|-5_mismatch probe
vvi-miR399g|+5_perfect match probe
vvi-miR399g|+5_mismatch probe
vvi-miR399h|-5_perfect match probe
vvi-miR399h|-5_mismatch probe
vvi-miR399h|+5_perfect match probe
vvi-miR399h|+5_mismatch probe
vvi-miR399i|-5_perfect match probe

vvi|miR-314|2mut|as|
vvi|miR-315|nat|as|
vvi|miR-315|2mut|as|
vvi|miR-316|nat|as|
vvi|miR-316|2mut|as|
vvi|miR-317|nat|as|
vvi|miR-317|2mut|as|
vvi|miR-318|nat|as|
vvi|miR-318|2mut|as|
vvi|miR-319|nat|as|
vvi|miR-319|2mut|as|
vvi|miR-320|nat|as|
vvi|miR-320|2mut|as|
vvi|miR-321|nat|as|
vvi|miR-321|2mut|as|
vvi|miR-322|nat|as|
vvi|miR-322|2mut|as|
vvi|miR-323|nat|as|
vvi|miR-323|2mut|as|
vvi|miR-324|nat|as|
vvi|miR-324|2mut|as|
vvi|miR-325|nat|as|
vvi|miR-325|2mut|as|
vvi|miR-326|nat|as|
vvi|miR-326|2mut|as|
vvi|miR-327|nat|as|
vvi|miR-327|2mut|as|
vvi|miR-328|nat|as|
vvi|miR-328|2mut|as|
vvi|miR-329|nat|as|
vvi|miR-329|2mut|as|
vvi|miR-330|nat|as|
vvi|miR-330|2mut|as|
vvi|miR-331|nat|as|

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gaagaggcagtgcatgggta
gaagagccagtgatgggta
acagagccaggggaaggcca
acagagtcagtgaaaggcca
gcctttgaggagattgaca
gcctttgagtaagattgaca
gaaaattggaagcctttgag

vvi-miR399i|-5_mismatch probe
vvi-miR399i|+5_perfect match probe
vvi-miR399i|+5_mismatch probe
vvi-miR403a|-5_perfect match probe
vvi-miR403a|-5_mismatch probe
vvi-miR403a|+5_perfect match probe
vvi-miR403a|+5_mismatch probe
vvi-miR403b|-5_perfect match probe
vvi-miR403b|-5_mismatch probe
vvi-miR403b|+5_perfect match probe
vvi-miR403b|+5_mismatch probe
vvi-miR403c|-5_perfect match probe
vvi-miR403c|-5_mismatch probe
vvi-miR403c|+5_perfect match probe
vvi-miR403c|+5_mismatch probe
vvi-miR403d|-5_perfect match probe
vvi-miR403d|-5_mismatch probe
vvi-miR403d|+5_perfect match probe
vvi-miR403d|+5_mismatch probe
vvi-miR403e|-5_perfect match probe
vvi-miR403e|-5_mismatch probe
vvi-miR403e|+5_perfect match probe
vvi-miR403e|+5_mismatch probe
vvi-miR403f|-5_perfect match probe
vvi-miR403f|-5_mismatch probe
vvi-miR403f|+5_perfect match probe
vvi-miR403f|+5_mismatch probe
vvi-miR408|-5_perfect match probe
vvi-miR408|-5_mismatch probe
vvi-miR408|+5_perfect match probe
vvi-miR408|+5_mismatch probe
vvi-miR477a|-5_perfect match probe
vvi-miR477a|-5_mismatch probe
vvi-miR477a|+5_perfect match probe

vvi|miR-331|2mut|as|
vvi|miR-332|nat|as|
vvi|miR-332|2mut|as|
vvi|miR-333|nat|as|
vvi|miR-333|2mut|as|
vvi|miR-334|nat|as|
vvi|miR-334|2mut|as|
vvi|miR-335|nat|as|
vvi|miR-335|2mut|as|
vvi|miR-336|nat|as|
vvi|miR-336|2mut|as|
vvi|miR-337|nat|as|
vvi|miR-337|2mut|as|
vvi|miR-338|nat|as|
vvi|miR-338|2mut|as|
vvi|miR-339|nat|as|
vvi|miR-339|2mut|as|
vvi|miR-340|nat|as|
vvi|miR-340|2mut|as|
vvi|miR-341|nat|as|
vvi|miR-341|2mut|as|
vvi|miR-342|nat|as|
vvi|miR-342|2mut|as|
vvi|miR-343|nat|as|
vvi|miR-343|2mut|as|
vvi|miR-344|nat|as|
vvi|miR-344|2mut|as|
vvi|miR-345|nat|as|
vvi|miR-345|2mut|as|
vvi|miR-346|nat|as|
vvi|miR-346|2mut|as|
vvi|miR-347|nat|as|
vvi|miR-347|2mut|as|
vvi|miR-348|nat|as|

gaaaattcgaagctttgag
cgaaccaataaccacaccatg
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aagaagatgagccgaaccaa
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aatgggaggagtaggaaaga
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ctcatttgacaaagaaactt
ttgtttggaataactcatttg
ttgtttcgaataactcatttg
ctcatttgagcaagaaacca

vvi-miR477a|+5_mismatch probe
vvi-miR479|-5_perfect match probe
vvi-miR479|-5_mismatch probe
vvi-miR479|+5_perfect match probe
vvi-miR479|+5_mismatch probe
vvi-miR482a|-5_perfect match probe
vvi-miR482a|-5_mismatch probe
vvi-miR482a|+5_perfect match probe
vvi-miR482a|+5_mismatch probe
vvi-miR535a|-5_perfect match probe
vvi-miR535a|-5_mismatch probe
vvi-miR535a|+5_perfect match probe
vvi-miR535a|+5_mismatch probe
vvi-miR535b|-5_perfect match probe
vvi-miR535b|-5_mismatch probe
vvi-miR535b|+5_perfect match probe
vvi-miR535b|+5_mismatch probe
vvi-miR535c|-5_perfect match probe
vvi-miR535c|-5_mismatch probe
vvi-miR535c|+5_perfect match probe
vvi-miR535c|+5_mismatch probe
vvi-miR535d|-5_perfect match probe
vvi-miR535d|-5_mismatch probe
vvi-miR535d|+5_perfect match probe
vvi-miR535d|+5_mismatch probe
vvi-miR535e|-5_perfect match probe
vvi-miR535e|-5_mismatch probe
vvi-miR535e|+5_perfect match probe
vvi-miR535e|+5_mismatch probe
vvi-miR828a|-5_perfect match probe
vvi-miR828a|-5_mismatch probe
vvi-miR828a|+5_perfect match probe
vvi-miR828a|+5_mismatch probe
vvi-miR828b|-5_perfect match probe

vvi miR-348 2mut as	ctcatttgacaaagaaacca	vvi-miR828b -5_ mismatch probe
vvi miR-349 nat as	tgatgtggaacactcatttg	vvi-miR828b +5_ perfect match probe
vvi miR-349 2mut as	tgatgtcgaaccctcatttg	vvi-miR828b +5_ mismatch probe
vvi miR-350 nat as	ttggtatcagagctagacct	vvi-miR845a -5_ perfect match probe
vvi miR-350 2mut as	ttggtatccgagttagacct	vvi-miR845a -5_ mismatch probe
vvi miR-351 nat as	tgttttatcaattggtatca	vvi-miR845a +5_ perfect match probe
vvi miR-351 2mut as	tgttttataaattcgtatca	vvi-miR845a +5_ mismatch probe
vvi miR-352 nat as	ttggtatcagagctagacct	vvi-miR845b -5_ perfect match probe
vvi miR-352 2mut as	ttggtatccgagttagacct	vvi-miR845b -5_ mismatch probe
vvi miR-353 nat as	tgttttatcaattggtatca	vvi-miR845b +5_ perfect match probe
vvi miR-353 2mut as	tgttttataaattcgtatca	vvi-miR845b +5_ mismatch probe
vvi miR-354 nat as	ttggtatcagagcctcatgt	vvi-miR845c -5_ perfect match probe
vvi miR-354 2mut as	ttggtatccgagtctcatgt	vvi-miR845c -5_ mismatch probe
vvi miR-355 nat as	ttatgcatcaattggtatca	vvi-miR845c +5_ perfect match probe
vvi miR-355 2mut as	ttatgaatcaattcgtatca	vvi-miR845c +5_ mismatch probe
vvi miR-356 nat as	ttggtatcagagccataggt	vvi-miR845d -5_ perfect match probe
vvi miR-356 2mut as	ttggtatccgagtcataggt	vvi-miR845d -5_ mismatch probe
vvi miR-357 nat as	tttcccatcaattggtatca	vvi-miR845d +5_ perfect match probe
vvi miR-357 2mut as	tttctcatcaattcgtatca	vvi-miR845d +5_ mismatch probe
vvi miR-358 nat as	ttggtatcagagccataggt	vvi-miR845e -5_ perfect match probe
vvi miR-358 2mut as	ttggtatccgagtcataggt	vvi-miR845e -5_ mismatch probe
vvi miR-359 nat as	tttcccatcaattggtatca	vvi-miR845e +5_ perfect match probe
vvi miR-359 2mut as	tttctcatcaattcgtatca	vvi-miR845e +5_ mismatch probe
 		vvi-miR156a -10_ perfect match probe
vvi miR-360 nat as	tcttctgtcaacatatttct	vvi-miR156a -10_ mismatch probe
vvi miR-360 2mut as	tcttctctcaaatatttct	vvi-miR156a +10_ perfect match probe
 		vvi-miR156a +10_ mismatch probe
vvi miR-361 nat as	atgctgggttgctccctc	vvi-miR156b -10_ perfect match probe
vvi miR-361 2mut as	atgctgtgtgctccctc	vvi-miR156b -10_ mismatch probe
 		vvi-miR156b +10_ perfect match probe
vvi miR-362 nat as	tcttctgtcagtttcaatg	vvi-miR156b -10_ mismatch probe
vvi miR-362 2mut as	tcttctctcagttttaaag	vvi-miR156b +10_ perfect match probe
vvi miR-363 nat as	ttgcctctgtgtctcactc	

vvi miR-363 nat as	ttgcttctgtctcctcactc	vvi-miR156b +10_mismatch probe
vvi miR-364 nat as	tcttctgtcacctattcctt	vvi-miR156c -10_perfect match
vvi miR-364 2mut as	tcttctgtcctctattcctt	probe
vvi miR-365 nat as	cagaccatgtgtgctcactc	vvi-miR156c -10_mismatch probe
vvi miR-365 2mut as	cagacaatgtgtcctcactc	vvi-miR156c +10_perfect match
vvi miR-366 nat as	tcttctgtcagctctctct	probe
vvi miR-366 2mut as	tcttctctcagcctctctct	vvi-miR156c +10_mismatch probe
vvi miR-367 nat as	ttgcctgcatgtgctcactc	vvi-miR156d -10_perfect match
vvi miR-367 2mut as	ttgcctgaatgtcctcactc	probe
vvi miR-368 nat as	tctctgtcacctaccatac	vvi-miR156d -10_mismatch probe
vvi miR-368 2mut as	tctctgtcccctacaatac	vvi-miR156d +10_perfect match
vvi miR-369 nat as	agaacctgagtgctcactc	probe
vvi miR-369 2mut as	agaacaatgagtcctcactc	vvi-miR156d +10_mismatch probe
vvi miR-370 nat as	cttctgtcaacagaaacataa	vvi-miR156e -10_perfect match
vvi miR-370 2mut as	cttctctcaacagaaaataa	probe
vvi miR-371 nat as	tgctctctatcttctgtcaa	vvi-miR156e +10_mismatch probe
vvi miR-371 2mut as	tgctccctatcttctctcaa	vvi-miR156e +10_perfect match
vvi miR-372 nat as	tgttcagttgtgctctctat	probe
vvi miR-372 2mut as	tgttcagttctcctctctat	vvi-miR156f -10_perfect match
vvi miR-373 nat as	cttctgtcaacaacatcacc	probe
vvi miR-373 2mut as	cttctctcaacaaaatcacc	vvi-miR156f +10_mismatch probe
vvi miR-374 nat as	tgctctctatcttctgtcaa	vvi-miR156g -10_perfect match
vvi miR-374 2mut as	tgctccctatcttctctcaa	probe
vvi miR-375 nat as	tcatcatctgtgctctctat	vvi-miR156g 0_perfect match
vvi miR-375 2mut as	tcatcatctctcctctctat	probe
		vvi-miR156g +10_perfect match
		probe
		vvi-miR156g +10_mismatch probe

vvi miR-376 nat as	tcttctgtcattgtgaggca	vvi-miR156h -10_perfect match probe
vvi miR-376 2mut as	tcttctctcattgcgaggca	vvi-miR156h -10_mismatch probe
vvi miR-377 nat as	tcccaccagcatgctctctc	vvi-miR156h +10_perfect match probe
vvi miR-377 2mut as	tcccaccagaatcctctctc	vvi-miR156h +10_mismatch probe
vvi miR-378 nat as	tcttctgtcaacaacgtcac	vvi-miR156i -10_perfect match probe
vvi miR-378 2mut as	tcttctctcaacaacctcac	vvi-miR156i -10_mismatch probe
vvi miR-379 nat as	ttcatcatctgtgctctcta	vvi-miR156i +10_perfect match probe
vvi miR-379 2mut as	ttcatcatccgtcctctcta	vvi-miR156i +10_mismatch probe
vvi miR-380 nat as	tcactccaaggccagaaaga	vvi-miR159a -10_perfect match probe
vvi miR-380 2mut as	tcactcaaaggcagaaaga	vvi-miR159a -10_mismatch probe
vvi miR-381 nat as	agagctcccttcaactcaag	vvi-miR159a 0_perfect match probe
vvi miR-381 2mut as	agagctctcttcaactcaag	vvi-miR159a 0_mismatch probe
vvi miR-382 nat as	aagggttatgagagctccct	vvi-miR159a +10_perfect match probe
vvi miR-382 2mut as	aaggcttatgagagttccct	vvi-miR159a +10_mismatch probe
vvi miR-383 nat as	tcactccaaggccagaaaag	vvi-miR159b -10_perfect match probe
vvi miR-383 2mut as	tcactcaaaggcagaaaag	vvi-miR159b -10_mismatch probe
vvi miR-384 nat as	agagctcccttcaactcaag	vvi-miR159b 0_perfect match probe
vvi miR-384 2mut as	agagctctcttcaactcaag	vvi-miR159b 0_mismatch probe
vvi miR-385 nat as	atcggttatgagagctccct	vvi-miR159b +10_perfect match probe
vvi miR-385 2mut as	atcgcttatgagagttccct	vvi-miR159b +10_mismatch probe
vvi miR-386 nat as	tcaatccaacaaggatcta	vvi-miR159c -10_perfect match probe
vvi miR-386 2mut as	tcaatcaaaaagaatcta	vvi-miR159c -10_mismatch probe
vvi miR-387 nat as	agagctccctcaatcaaaa	vvi-miR159c 0_perfect match probe
vvi miR-387 2mut as	agagctctctcaattcaaaa	vvi-miR159c 0_mismatch probe
vvi miR-388 nat as	agagaggtgtagagctccct	vvi-miR159c +10_perfect match probe

vvi miR-388 2mut as	agagagctgtagagttcct	vvi-miR159c +10_mismatch probe
vvi miR-389 nat as	gagccaggcagatcaacccc	vvi-miR160a -10_perfect match probe
vvi miR-389 2mut as	gagccagccagataaacccc	vvi-miR160a -10_mismatch probe
vvi miR-390 nat as	ggcattcagggagccaggca	vvi-miR160a 0_perfect match probe
vvi miR-390 2mut as	ggcattcagtgagtcaggca	vvi-miR160a 0_mismatch probe
vvi miR-391 nat as	cttcttagatggcattcagg	vvi-miR160a +10_perfect match probe
vvi miR-391 2mut as	cttcttacatgccattcagg	vvi-miR160a +10_mismatch probe
vvi miR-392 nat as	gagccaggcagaacaatatt	vvi-miR160b -10_perfect match probe
vvi miR-392 2mut as	gagccagccagaaaaatatt	vvi-miR160b -10_mismatch probe
vvi miR-393 nat as	ggcattcagggagccaggca	vvi-miR160b 0_perfect match probe
vvi miR-393 2mut as	ggcattcagtgagtcaggca	vvi-miR160b 0_mismatch probe
vvi miR-394 nat as	cttcttagatggcattcagg	vvi-miR160b +10_perfect match probe
vvi miR-394 2mut as	cttcttacatgccattcagg	vvi-miR160b +10_mismatch probe
vvi miR-395 nat as	gagccaggcacaaccattt	vvi-miR160c -10_perfect match probe
vvi miR-395 2mut as	gagccagccacaactcattt	vvi-miR160c -10_mismatch probe
vvi miR-396 nat as	ggcatacagggagccaggca	vvi-miR160c 0_perfect match probe
vvi miR-396 2mut as	ggcatacagtgagtcaggca	vvi-miR160c 0_mismatch probe
vvi miR-397 nat as	ctctacgtgtggcatacagg	vvi-miR160c +10_perfect match probe
vvi miR-397 2mut as	ctctacctgtgcatacagg	vvi-miR160c +10_mismatch probe
vvi miR-398 nat as	gagccaggcatgtaagtatg	vvi-miR160d -10_perfect match probe
vvi miR-398 2mut as	gagccagccatctaagtatg	vvi-miR160d -10_mismatch probe
vvi miR-399 nat as	ggcatacagggagccaggca	vvi-miR160d 0_perfect match probe
vvi miR-399 2mut as	ggcatacagtgagtcaggca	vvi-miR160d 0_mismatch probe
vvi miR-400 nat as	ctttgcaaatggcatacagg	vvi-miR160d +10_perfect match probe
vvi miR-400 2mut as	ctttgaaaatgccatacagg	vvi-miR160d +10_mismatch probe
vvi miR-401 nat as	gagccaggcagaacaatatt	vvi-miR160e -10_perfect match probe

vvi|miR-401|2mut|as|
vvi|miR-402|nat|as|
vvi|miR-402|2mut|as|

vvi|miR-403|nat|as|
vvi|miR-403|2mut|as|
vvi|miR-404|nat|as|
vvi|miR-404|2mut|as|
vvi|miR-405|nat|as|
vvi|miR-405|2mut|as|

vvi|miR-406|nat|as|
vvi|miR-406|2mut|as|
vvi|miR-407|nat|as|
vvi|miR-407|2mut|as|
vvi|miR-408|nat|as|
vvi|miR-408|2mut|as|
vvi|miR-409|nat|as|
vvi|miR-409|2mut|as|

vvi|miR-410|nat|as|
vvi|miR-410|2mut|as|
vvi|miR-411|nat|as|
vvi|miR-411|2mut|as|

vvi|miR-412|nat|as|
vvi|miR-412|2mut|as|

vvi|miR-413|nat|as|
vvi|miR-413|2mut|as|
vvi|miR-414|nat|as|
vvi|miR-414|2mut|as|
vvi|miR-415|nat|as|

gagccagccagaaaaatatt
ggcattcagggagccaggca
ggcattcagtgagtcaggca

cttcttagatggcattcagg
cttcttacatgccattcagg
gagccaggcatatatgctta
gagccagccatatacctta
ggcatacagggagccaggca
ggcatacagtgagtcaggca

ctctgcaaatggcatacagg
ctctgaaaatgccatacagg
ggtttatcgaccgattcttg
ggtttatagacagattcttg
tggatgcagaggttatcga
tggatgaagagctttatcga
gagtgaacgctggatgcaga
gagtgaaccctggatccaga

tgcttctccaacaaggagct
tgcttctcaacaagaagct
gcacgtgccctgcttctcca
gcacgtgtcctccttctcca

aggcaaatctgcacgtgccc
aggcaaatccgaacgtgccc

tgcttctccagcatggttta
tgcttctcaagaatggttta
gcatgtgccctgcttctcca
gcatgtgtcctccttctcca
gattgatccagcatgtgccc

probe
vvi-miR160e|-10_mismatch probe
vvi-miR160e|0_perfect match probe
vvi-miR160e|0_mismatch probe
vvi-miR160e|+10_perfect match
probe
vvi-miR160e|+10_mismatch probe
vvi-miR160f|-10_perfect match probe
vvi-miR160f|-10_mismatch probe
vvi-miR160f|0_perfect match probe
vvi-miR160f|0_mismatch probe
vvi-miR160f|+10_perfect match
probe
vvi-miR160f|+10_mismatch probe
vvi-miR162|-10_perfect match probe
vvi-miR162|-10_mismatch probe
vvi-miR162|0_perfect match probe
vvi-miR162|0_mismatch probe
vvi-miR162|+10_perfect match probe
vvi-miR162|+10_mismatch probe
vvi-miR164a|-10_perfect match
probe
vvi-miR164a|-10_mismatch probe
vvi-miR164a|0_perfect match probe
vvi-miR164a|0_mismatch probe
vvi-miR164a|+10_perfect match
probe
vvi-miR164a|+10_mismatch probe
vvi-miR164b|-10_perfect match
probe
vvi-miR164b|-10_mismatch probe
vvi-miR164b|0_perfect match probe
vvi-miR164b|0_mismatch probe
vvi-miR164b|+10_perfect match

vvi miR-415 2mut as	gattgatcaagaatgtgccc	probe vvi-miR164b +10_mismatch probe vvi-miR164d -10_perfect match probe
vvi miR-416 nat as	tgcttctccatcaagagctt	
vvi miR-416 2mut as	tgcttctcaataaagagctt	vvi-miR164d -10_mismatch probe
vvi miR-417 nat as	gcacgtgccctgcttctcca	vvi-miR164d 0_perfect match probe
vvi miR-417 2mut as	gcacgtgtcctccttctcca	vvi-miR164d 0_mismatch probe vvi-miR164d +10_perfect match probe
vvi miR-418 nat as	tttgtgaactgcacgtgccc	vvi-miR164d +10_mismatch probe
vvi miR-418 2mut as	tttgcgaactgaacgtgccc	vvi-miR166c -10_perfect match probe
vvi miR-419 nat as	cctgggccgacgacaccaac	vvi-miR166c -10_mismatch probe
vvi miR-419 2mut as	cctggtcagaagacaccaac	vvi-miR166c 0_perfect match probe
vvi miR-420 nat as	gggaatgaagcctggccga	vvi-miR166c 0_mismatch probe
vvi miR-420 2mut as	gggaatgaactctggccga	vvi-miR166c +10_perfect match probe
vvi miR-421 nat as	gataattgggggaatgaag	vvi-miR166c +10_mismatch probe
vvi miR-421 2mut as	gataattggtgtgaatgaag	vvi-miR166d -10_perfect match probe
vvi miR-422 nat as	cctgggccgagggcactaac	vvi-miR166d -10_mismatch probe
vvi miR-422 2mut as	cctggtcagagccactaac	vvi-miR166d 0_perfect match probe
vvi miR-423 nat as	gggaatgaagcctggccga	vvi-miR166d 0_mismatch probe
vvi miR-423 2mut as	gggaatgaactctggccga	vvi-miR166d +10_perfect match probe
vvi miR-424 nat as	agtgattgaggggaatgaag	vvi-miR166d +10_mismatch probe
vvi miR-424 2mut as	agtgattgacgtgaatgaag	vvi-miR166e -10_perfect match probe
vvi miR-425 nat as	cctgggccgacgacaccaac	vvi-miR166e -10_mismatch probe
vvi miR-425 2mut as	cctggtcagaagacaccaac	vvi-miR166e 0_perfect match probe
vvi miR-426 nat as	gggaatgaagcctggccga	vvi-miR166e 0_mismatch probe
vvi miR-426 2mut as	gggaatgaactctggccga	vvi-miR166e +10_perfect match probe
vvi miR-427 nat as	ataaattgggggaatgaag	vvi-miR166e +10_mismatch probe
vvi miR-427 2mut as	ataaattggtgtgaatgaag	

vvi miR-428 nat as	cctggtccgaagcttttga	vvi-miR166f -10_perfect match probe
vvi miR-428 2mut as	cctggtcagaagtttttga	vvi-miR166f -10_mismatch probe
vvi miR-429 nat as	gggaatgaagcctggtccga	vvi-miR166f 0_perfect match probe
vvi miR-429 2mut as	gggaatgaactctggtccga	vvi-miR166f 0_mismatch probe
vvi miR-430 nat as	gtgtgttgagggaatgaag	vvi-miR166f +10_perfect match probe
vvi miR-430 2mut as	gtgtgttgacgtgaatgaag	vvi-miR166f +10_mismatch probe
vvi miR-431 nat as	cctggtccgaaatcattcaa	vvi-miR166g -10_perfect match probe
vvi miR-431 2mut as	cctggtcagaaataattcaa	vvi-miR166g -10_mismatch probe
vvi miR-432 nat as	gggaatgaagcctggtccga	vvi-miR166g 0_perfect match probe
vvi miR-432 2mut as	gggaatgaactctggtccga	vvi-miR166g 0_mismatch probe
vvi miR-433 nat as	ttgggttgagggaatgaag	vvi-miR166g +10_perfect match probe
vvi miR-433 2mut as	ttggcttgaggtgaatgaag	vvi-miR166g +10_mismatch probe
vvi miR-434 nat as	cctggtccgagatcattcag	vvi-miR166h -10_perfect match probe
vvi miR-434 2mut as	cctggtcagagataattcag	vvi-miR166h -10_mismatch probe
vvi miR-435 nat as	gggaatgaagcctggtccga	vvi-miR166h 0_perfect match probe
vvi miR-435 2mut as	gggaatgaactctggtccga	vvi-miR166h 0_mismatch probe
vvi miR-436 nat as	ttgagttgggggaatgaag	vvi-miR166h +10_perfect match probe
vvi miR-436 2mut as	ttgagttggtgtgaatgaag	vvi-miR166h +10_mismatch probe
vvi miR-437 nat as	cctggtccgagatcaaccga	vvi-miR166a -10_perfect match probe
vvi miR-437 2mut as	cctggtcagagataaaccga	vvi-miR166a -10_mismatch probe
vvi miR-438 nat as	aggaatgaagcctggtccga	vvi-miR166a 0_perfect match probe
vvi miR-438 2mut as	aggaatgaactctggtccga	vvi-miR166a 0_mismatch probe
vvi miR-439 nat as	gcttggtgtcaggaatgaag	vvi-miR166a +10_perfect match probe
vvi miR-439 2mut as	gcttcgtgtcagaaatgaag	vvi-miR166a +10_mismatch probe
vvi miR-440 nat as	cctggtccgacaccttcaact	vvi-miR166b -10_perfect match probe
vvi miR-440 2mut as	cctggtcagacatcttcaact	vvi-miR166b -10_mismatch probe

vvi miR-441 nat as vvi miR-441 2mut as	aggaatgaagcctggtccga aggaatgaactctggtccga	vvi-miR166b 0_perfect match probe vvi-miR166b 0_mismatch probe vvi-miR166b +10_perfect match probe
vvi miR-442 nat as vvi miR-442 2mut as	tatatttgagaggaatgaag tatatttaagagaaatgaag	vvi-miR166b +10_mismatch probe vvi-miR167a -10_perfect match probe
vvi miR-443 nat as vvi miR-443 2mut as vvi miR-444 nat as vvi miR-444 2mut as	ggcagcttcaacctctcaaa ggcagtttcaatctctcaaa agatcatgctggcagcttca agatcatcctgccagcttca	vvi-miR167a -10_mismatch probe vvi-miR167a 0_perfect match probe vvi-miR167a 0_mismatch probe vvi-miR167a +10_perfect match probe
vvi miR-445 nat as vvi miR-445 2mut as	ttgtttcaccagatcatgct ttgtttcacacgatcatgct	vvi-miR167a +10_mismatch probe vvi-miR167b -10_perfect match probe
vvi miR-446 nat as vvi miR-446 2mut as vvi miR-447 nat as vvi miR-447 2mut as	ggcagcttcaactgctattg ggcagtttcaactcctattg agatcatgctggcagcttca agatcatcctgccagcttca	vvi-miR167b -10_mismatch probe vvi-miR167b 0_perfect match probe vvi-miR167b 0_mismatch probe vvi-miR167b +10_perfect match probe
vvi miR-448 nat as vvi miR-448 2mut as	agaaaagcttagatcatgct agaaaagtttagataatgct	vvi-miR167b +10_mismatch probe vvi-miR167c -10_perfect match probe
vvi miR-449 nat as vvi miR-449 2mut as	ggcagcttcaactgctactg ggcagtttcaactcctactg	vvi-miR167c -10_mismatch probe vvi-miR167c +10_perfect match probe
vvi miR-450 nat as vvi miR-450 2mut as	agggaagttgagatcatgct agggaagttaagataatgct	vvi-miR167c +10_mismatch probe vvi-miR167d -10_perfect match probe
vvi miR-451 nat as vvi miR-451 2mut as vvi miR-452 nat as vvi miR-452 2mut as	ggcagcttcaacttattccct ggcagtttcaattattccct agatcatgctggcagcttca agatcatcctgccagcttca	vvi-miR167d -10_mismatch probe vvi-miR167d 0_perfect match probe vvi-miR167d 0_mismatch probe vvi-miR167d +10_perfect match probe
vvi miR-453 nat as	agccaaagctagatcatgct	

vvi miR-453 2mut as	agccaaagttagataatgct	vvi-miR167d +10_mismatch probe
vvi miR-454 nat as	ggcagcttcaactgatagtg	vvi-miR167e -10_perfect match probe
vvi miR-454 2mut as	ggcagtttcaaccgatagtg	vvi-miR167e -10_mismatch probe
vvi miR-455 nat as	agatcatgctggcagcttca	vvi-miR167e 0_perfect match probe
vvi miR-455 2mut as	agatcatcctgccagcttca	vvi-miR167e 0_mismatch probe
vvi miR-456 nat as	aagcaagtttagatcatgct	vvi-miR167e +10_perfect match probe
vvi miR-456 2mut as	aagcaactttagataatgct	vvi-miR167e +10_mismatch probe
vvi miR-457 nat as	caccaagcgaattagagacc	vvi-miR168 -10_perfect match probe
vvi miR-457 2mut as	caccaagagaattagcagacc	vvi-miR168 -10_mismatch probe
vvi miR-458 nat as	tcccgaacctgcaccaagcga	vvi-miR168 0_perfect match probe
vvi miR-458 2mut as	tcccgaacctcaaccaagcga	vvi-miR168 0_mismatch probe
vvi miR-459 nat as	cgaagtcggtcccgaacctg	vvi-miR168 +10_perfect match probe
vvi miR-459 2mut as	cgaagtcagttccagacctg	vvi-miR168 +10_mismatch probe
vvi miR-460 nat as	tccttggtgcattccactc	vvi-miR169a -10_perfect match probe
vvi miR-460 2mut as	tccttgctgaattccactc	vvi-miR169a -10_mismatch probe
vvi miR-461 nat as	cggcaagtcattccttggtg	vvi-miR169a 0_perfect match probe
vvi miR-461 2mut as	cggcaagccattccttcgctg	vvi-miR169a 0_mismatch probe
vvi miR-462 nat as	atataaattccggcaagtca	vvi-miR169a +10_perfect match probe
vvi miR-462 2mut as	atataaatttcgccaagtca	vvi-miR169a +10_mismatch probe
vvi miR-463 nat as	tccttcgctaccaaaacaacg	vvi-miR169y -10_perfect match probe
vvi miR-463 2mut as	tccttcctacaaaaacaacg	vvi-miR169y -10_mismatch probe
vvi miR-464 nat as	aggcaagtcattccttcgcta	vvi-miR169y 0_perfect match probe
vvi miR-464 2mut as	aggcaagccattccttagcta	vvi-miR169y 0_mismatch probe
vvi miR-465 nat as	aggaggctgtaggcaagtca	vvi-miR169y +10_perfect match probe
vvi miR-465 2mut as	aggagcctgtagccaagtca	vvi-miR169y +10_mismatch probe
vvi miR-466 nat as	ccttggtcaattcgacccc	vvi-miR169b -10_perfect match probe
vvi miR-466 2mut as	ccttgctcaattagacccc	vvi-miR169b -10_mismatch probe

vvi miR-467 nat as	ggcaagccatccttggctca	vvi-miR169b 0_perfect match probe
vvi miR-467 2mut as	ggcaagtcatccttgcctca	vvi-miR169b 0_mismatch probe
vvi miR-468 nat as	tgcagatgacggcaagccat	vvi-miR169b +10_perfect match probe
vvi miR-468 2mut as	tgcagatgaagccaagccat	vvi-miR169b +10_mismatch probe
vvi miR-469 nat as	tccttggctgcattctactc	vvi-miR169c -10_perfect match probe
vvi miR-469 2mut as	tccttgcctgaattctactc	vvi-miR169c -10_mismatch probe
vvi miR-470 nat as	cggcaagtcaccttggctg	vvi-miR169c 0_perfect match probe
vvi miR-470 2mut as	cggcaagccatccttcgctg	vvi-miR169c 0_mismatch probe
vvi miR-471 nat as	gccccatctcggcaagtca	vvi-miR169c +10_perfect match probe
vvi miR-471 2mut as	gcccattctcggccaagtca	vvi-miR169c +10_mismatch probe
vvi miR-472 nat as	ttcttggctgcattcactc	vvi-miR169d -10_perfect match probe
vvi miR-472 2mut as	ttcttgcctgaattcactc	vvi-miR169d -10_mismatch probe
vvi miR-473 nat as	cggcaaatcattcttggctg	vvi-miR169d 0_perfect match probe
vvi miR-473 2mut as	cggcaataattcttcgctg	vvi-miR169d 0_mismatch probe
vvi miR-474 nat as	atataaattcggcaaatca	vvi-miR169d +10_perfect match probe
vvi miR-474 2mut as	atataaatttcgccaatca	vvi-miR169d +10_mismatch probe
vvi miR-475 nat as	tccttggctatcagacaaga	vvi-miR169e -10_perfect match probe
vvi miR-475 2mut as	tccttgcctatcagaaaaga	vvi-miR169e -10_mismatch probe
vvi miR-476 nat as	aggcaagtcaccttggcta	vvi-miR169e 0_perfect match probe
vvi miR-476 2mut as	aggcaagccatccttcgcta	vvi-miR169e 0_mismatch probe
vvi miR-477 nat as	gggatagggcaggcaagtca	vvi-miR169e +10_perfect match probe
vvi miR-477 2mut as	gggataggccagccaagtca	vvi-miR169e +10_mismatch probe
vvi miR-478 nat as	tccttggctgcaccataata	vvi-miR169f -10_perfect match probe
vvi miR-478 2mut as	tccttgcctgaaccataata	vvi-miR169f -10_mismatch probe
vvi miR-479 nat as	cggcaagtcaccttggctg	vvi-miR169f 0_perfect match probe
vvi miR-479 2mut as	cggcaagccatccttcgctg	vvi-miR169f 0_mismatch probe
vvi miR-480 nat as	aaattatttcggcaagtca	vvi-miR169f +10_perfect match probe

vvi miR-480 2mut as	aaattatttcgccaagtca	probe vvi-miR169f +10_mismatch probe vvi-miR169g -10_perfect match probe
vvi miR-481 nat as	tccttggtgcaccatactt	
vvi miR-481 2mut as	tccttgctgaaccatactt	vvi-miR169g -10_mismatch probe
vvi miR-482 nat as	cggcaagtcaccttggtg	vvi-miR169g 0_perfect match probe
vvi miR-482 2mut as	cggcaagccaccttcgctg	vvi-miR169g 0_mismatch probe vvi-miR169g +10_perfect match probe
vvi miR-483 nat as	agtagagagtcggcaagtca	vvi-miR169g +10_mismatch probe
vvi miR-483 2mut as	agtagagagccgccaagtca	vvi-miR169h -10_perfect match probe
vvi miR-484 nat as	ccttggtcaattccacct	vvi-miR169h -10_mismatch probe
vvi miR-484 2mut as	ccttgctcaattcaacct	vvi-miR169h 0_perfect match probe
vvi miR-485 nat as	ggcaagccaccttggtca	vvi-miR169h 0_mismatch probe
vvi miR-485 2mut as	ggcaagtcaccttgctca	vvi-miR169h +10_perfect match probe
vvi miR-486 nat as	gacaaaggacggcaagccat	vvi-miR169h +10_mismatch probe
vvi miR-486 2mut as	gacaaaggaagccaagccat	vvi-miR169i -10_perfect match probe
vvi miR-487 nat as	tccttggtcaattccacc	vvi-miR169i -10_mismatch probe
vvi miR-487 2mut as	tccttgctcaattcaacc	vvi-miR169i 0_perfect match probe
vvi miR-488 nat as	cggccagtcaccttggtc	vvi-miR169i 0_mismatch probe
vvi miR-488 2mut as	cggcaagtcaccttcgctc	vvi-miR169i +10_perfect match probe
vvi miR-489 nat as	tgaaaaatgacggccagtca	vvi-miR169i +10_mismatch probe
vvi miR-489 2mut as	tgaaaaatgccggtcagtca	vvi-miR169j -10_perfect match probe
vvi miR-490 nat as	tccttggtgcactccactc	vvi-miR169j -10_mismatch probe
vvi miR-490 2mut as	tccttgctgaactccactc	vvi-miR169j 0_perfect match probe
vvi miR-491 nat as	cggcaagtcaccttggtg	vvi-miR169j 0_mismatch probe
vvi miR-491 2mut as	cggcaagccaccttcgctg	vvi-miR169j +10_perfect match probe
vvi miR-492 nat as	atgtgaattccggcaagtca	vvi-miR169j +10_mismatch probe
vvi miR-492 2mut as	atgtgaattcgccaagtca	vvi-miR169k -10_perfect match probe
vvi miR-493 nat as	tccttggtgcactccactc	

vvi miR-493 2mut as	tccttgccctgaactccactc	vvi-miR169k -10_mismatch probe
vvi miR-494 nat as	cggcaagtcaccttggetg	vvi-miR169k 0_perfect match probe
vvi miR-494 2mut as	cggcaagccatccttcgctg	vvi-miR169k 0_mismatch probe
vvi miR-495 nat as	atgtgaattccggcaagtea	vvi-miR169k +10_perfect match probe
vvi miR-495 2mut as	atgtgaatttcgccaagtea	vvi-miR169k +10_mismatch probe
vvi miR-496 nat as	tccttggetcaattccacc	vvi-miR169l -10_perfect match probe
vvi miR-496 2mut as	tccttgctcaattcaacc	vvi-miR169l -10_mismatch probe
vvi miR-497 nat as	cggcaagtcaccttggetc	vvi-miR169l 0_perfect match probe
vvi miR-497 2mut as	cggcaagccatccttcgctc	vvi-miR169l 0_mismatch probe
vvi miR-498 nat as	atgcaaaggacggcaagtea	vvi-miR169l +10_perfect match probe
vvi miR-498 2mut as	atgcaaagaacgccaagtea	vvi-miR169l +10_mismatch probe
vvi miR-499 nat as	tccttggetcacttccactc	vvi-miR169m -10_perfect match probe
vvi miR-499 2mut as	tccttgctcacttcaactc	vvi-miR169m -10_mismatch probe
vvi miR-500 nat as	cggcaagtcaccttggetc	vvi-miR169m 0_perfect match probe
vvi miR-500 2mut as	cggcaagccatccttcgctc	vvi-miR169m 0_mismatch probe
vvi miR-501 nat as	ctgcagctgccggcaagtea	vvi-miR169m +10_perfect match probe
vvi miR-501 2mut as	ctgcagctgtcgccaagtea	vvi-miR169m +10_mismatch probe
vvi miR-502 nat as	tccttggetctattccactc	vvi-miR169n -10_perfect match probe
vvi miR-502 2mut as	tccttgctctattcaactc	vvi-miR169n -10_mismatch probe
vvi miR-503 nat as	cggcaagtcaccttggetc	vvi-miR169n 0_perfect match probe
vvi miR-503 2mut as	cggcaagccatccttcgctc	vvi-miR169n 0_mismatch probe
vvi miR-504 nat as	ctgcagttgccggcaagtea	vvi-miR169n +10_perfect match probe
vvi miR-504 2mut as	ctgcagttgtcgccaagtea	vvi-miR169n +10_mismatch probe
vvi miR-505 nat as	tccttggetcaaatccacc	vvi-miR169o -10_perfect match probe
vvi miR-505 2mut as	tccttgctcaaatcaacc	vvi-miR169o -10_mismatch probe
vvi miR-506 nat as	cggcaagtcaccttggetc	vvi-miR169o 0_perfect match probe
vvi miR-506 2mut as	cggcaagccatccttcgctc	vvi-miR169o 0_mismatch probe

vvi miR-507 nat as	ctgctgatggcggcaagtca	vvi-miR169o +10_perfect match
vvi miR-507 2mut as	ctgctgatgcaggcaagtca	probe
		vvi-miR169o +10_mismatch probe
vvi miR-508 nat as	tccttggctcaattccacac	vvi-miR169p -10_perfect match
vvi miR-508 2mut as	tccttgcctcaattcaacac	probe
vvi miR-509 nat as	cggcaagtcaccttggctc	vvi-miR169p -10_mismatch probe
vvi miR-509 2mut as	cggcaagccatccttcgctc	vvi-miR169p 0_perfect match probe
		vvi-miR169p 0_mismatch probe
vvi miR-510 nat as	ctgcagctgccggcaagtca	vvi-miR169p +10_perfect match
vvi miR-510 2mut as	ctgcagctgtcgccaagtca	probe
		vvi-miR169p +10_mismatch probe
vvi miR-511 nat as	tccttggctctattccacc	vvi-miR169q -10_perfect match
vvi miR-511 2mut as	tccttgcctctattcaacc	probe
vvi miR-512 nat as	cggcaagtcaccttggctc	vvi-miR169q -10_mismatch probe
vvi miR-512 2mut as	cggcaagccatccttcgctc	vvi-miR169q 0_perfect match probe
		vvi-miR169q 0_mismatch probe
vvi miR-513 nat as	ctgcaaatgccggcaagtca	vvi-miR169q +10_perfect match
vvi miR-513 2mut as	ctgcaaatgtcgccaagtca	probe
vvi miR-514 nat as	ccttgactcaattccaccct	vvi-miR169q +10_mismatch probe
vvi miR-514 2mut as	ccttgacctcaattcaaccct	vvi-miR169r -10_perfect match probe
vvi miR-515 nat as	ggcaagtcaccttgactca	vvi-miR169r -10_mismatch probe
vvi miR-515 2mut as	ggcaagccattcttgactca	vvi-miR169r 0_perfect match probe
		vvi-miR169r 0_mismatch probe
vvi miR-516 nat as	aatatatatcggcaagtcat	vvi-miR169r +10_perfect match
vvi miR-516 2mut as	aatatatatagccaagtcat	probe
vvi miR-517 nat as	tccttggctgcaatccactt	vvi-miR169r +10_mismatch probe
vvi miR-517 2mut as	tccttgcctgaaatccactt	vvi-miR169s -10_perfect match probe
vvi miR-518 nat as	cggcaagtcaccttggctg	vvi-miR169s -10_mismatch probe
vvi miR-518 2mut as	cggcaagccatccttcgctg	vvi-miR169s 0_perfect match probe
		vvi-miR169s 0_mismatch probe
vvi miR-519 nat as	tgccaagtgccggcaagtca	vvi-miR169s +10_perfect match
vvi miR-519 2mut as	tgccaagtgtcgccaagtca	probe
vvi miR-520 nat as	ccttgactcgattccaccct	vvi-miR169s +10_mismatch probe
		vvi-miR169t -10_perfect match probe

vvi miR-520 2mut as	ccttgactagattcaaccct	vvi-miR169t -10_mismatch probe
vvi miR-521 nat as	ggcaagtcaccttgactcg	vvi-miR169t 0_perfect match probe
vvi miR-521 2mut as	ggcaagccattcttgactcg	vvi-miR169t 0_mismatch probe
vvi miR-522 nat as	aatatatatcggcaagtcac	vvi-miR169t +10_perfect match probe
vvi miR-522 2mut as	aatatatatagccaagtcac	vvi-miR169t +10_mismatch probe
vvi miR-523 nat as	ccttgactcaattccaccct	vvi-miR169u -10_perfect match probe
vvi miR-523 2mut as	ccttgacctcaattcaaccct	vvi-miR169u -10_mismatch probe
vvi miR-524 nat as	ggcaagtcaccttgactca	vvi-miR169u 0_perfect match probe
vvi miR-524 2mut as	ggcaagccattcttgactca	vvi-miR169u 0_mismatch probe
vvi miR-525 nat as	aatatataacggcaagtcac	vvi-miR169u +10_perfect match probe
vvi miR-525 2mut as	aatatataagccaagtcac	vvi-miR169u +10_mismatch probe
vvi miR-526 nat as	tccttggttcttctccc	vvi-miR169v -10_perfect match probe
vvi miR-526 2mut as	tccttgcttcttctccc	vvi-miR169v -10_mismatch probe
vvi miR-527 nat as	cggcaattcatccttggtt	vvi-miR169v 0_perfect match probe
vvi miR-527 2mut as	cggcaattaatccttctt	vvi-miR169v 0_mismatch probe
vvi miR-528 nat as	ctttcatcgcggcaattca	vvi-miR169v +10_perfect match probe
vvi miR-528 2mut as	ctttcatccccgcaattca	vvi-miR169v +10_mismatch probe
vvi miR-529 nat as	tccttggtgcaccacataa	vvi-miR169w -10_perfect match probe
vvi miR-529 2mut as	tccttgctgaaccacataa	vvi-miR169w -10_mismatch probe
vvi miR-530 nat as	cggcaagtcaccttggtt	vvi-miR169w 0_perfect match probe
vvi miR-530 2mut as	cggcaagccatccttctt	vvi-miR169w 0_mismatch probe
vvi miR-531 nat as	aggaggtgccggcaagtca	vvi-miR169w +10_perfect match probe
vvi miR-531 2mut as	aggaggtgtcgccaagtca	vvi-miR169w +10_mismatch probe
vvi miR-532 nat as	tccttggtaccagacgaga	vvi-miR169x -10_perfect match probe
vvi miR-532 2mut as	tccttgctaccagaagaga	vvi-miR169x -10_mismatch probe
vvi miR-533 nat as	aggcaagtcaccttggtt	vvi-miR169x 0_perfect match probe

vvi miR-533 2mut as	aggcaagccatccttcgcta	vvi-miR169x 0_mismatch probe
vvi miR-534 nat as	tggtggatttaggcaagtca	vvi-miR169x +10_perfect match probe
vvi miR-534 2mut as	tggtcgatttagccaagtca	vvi-miR169x +10_mismatch probe
vvi miR-535 nat as	gacggctcaatcaaaccaaa	vvi-miR171a -10_perfect match probe
vvi miR-535 2mut as	gacgcctcaatcaaatcaaa	vvi-miR171a -10_mismatch probe
vvi miR-536 nat as	gtgatgttgaggacggctcaa	vvi-miR171a 0_perfect match probe
vvi miR-536 2mut as	gtgatgttgacgcctcaa	vvi-miR171a 0_mismatch probe
vvi miR-537 nat as	ggtgggaagcgtgatgttgg	vvi-miR171a +10_perfect match probe
vvi miR-537 2mut as	ggtgggaagactgatgttgg	vvi-miR171a +10_mismatch probe
vvi miR-538 nat as	ggctcaatcaaatcacatgg	vvi-miR171b -10_perfect match probe
vvi miR-538 2mut as	ggctcaataaaatccatgg	vvi-miR171b -10_mismatch probe
vvi miR-539 nat as	atattgacgcggctcaatca	vvi-miR171b 0_perfect match probe
vvi miR-539 2mut as	atattgacgagcctcaatca	vvi-miR171b 0_mismatch probe
vvi miR-540 nat as	gcaaaaggagatattgacgc	vvi-miR171b +10_perfect match probe
vvi miR-540 2mut as	gcaaaagaagatattaacgc	vvi-miR171b +10_mismatch probe
vvi miR-541 nat as	cacggctcaatcaaaaacca	vvi-miR171c -10_perfect match probe
vvi miR-541 2mut as	cacgcctcaataaaaaacca	vvi-miR171c -10_mismatch probe
vvi miR-542 nat as	gtgatattggcacggctcaa	vvi-miR171c 0_perfect match probe
vvi miR-542 2mut as	gtgatattgccacgcctcaa	vvi-miR171c 0_mismatch probe
vvi miR-543 nat as	gcaatgacacgtgatattgg	vvi-miR171c +10_perfect match probe
vvi miR-543 2mut as	gcaatgacaactgatattgg	vvi-miR171c +10_mismatch probe
vvi miR-544 nat as	cacggctcaatcaaaaaca	vvi-miR171d -10_perfect match probe
vvi miR-544 2mut as	cacgcctcaatcaaaaaaca	vvi-miR171d -10_mismatch probe
vvi miR-545 nat as	gtgatattggcacggctcaa	vvi-miR171d 0_perfect match probe
vvi miR-545 2mut as	gtgatattgccacgcctcaa	vvi-miR171d 0_mismatch probe
vvi miR-546 nat as	gaagtaggacgtgatattgg	vvi-miR171d +10_perfect match probe

vvi miR-546 2mut as	gaagtaggaactgatattgg	probe vvi-miR171d +10_mismatch probe vvi-miR171e -10_perfect match probe
vvi miR-547 nat as	ggctcaatcagagatcggtc	vvi-miR171e -10_mismatch probe
vvi miR-547 2mut as	ggctcaatccgagatagttc	vvi-miR171e 0_perfect match probe
vvi miR-548 nat as	atattggcgcggctcaatca	vvi-miR171e 0_mismatch probe
vvi miR-548 2mut as	atattggcgcgacctcaatca	vvi-miR171e +10_perfect match probe
vvi miR-549 nat as	gcagaaagtgatattggcgc	vvi-miR171e +10_mismatch probe
vvi miR-549 2mut as	gcagaaagcgatattcgcgc	vvi-miR171f -10_perfect match probe
vvi miR-550 nat as	cgcggctcaatctgagatca	vvi-miR171f -10_mismatch probe
vvi miR-550 2mut as	cgcgcctcaatccgagatca	vvi-miR171f 0_perfect match probe
vvi miR-551 nat as	gtgatattggcgcggctcaa	vvi-miR171f 0_mismatch probe
vvi miR-551 2mut as	gtgatattgccgaggctcaa	vvi-miR171f +10_perfect match probe
vvi miR-552 nat as	ccacagaaaagtgatattgg	vvi-miR171f +10_mismatch probe
vvi miR-552 2mut as	ccaccgaaaagcgatattgg	vvi-miR171g -10_perfect match probe
vvi miR-553 nat as	ttcggctcaaggagttggtg	vvi-miR171g -10_mismatch probe
vvi miR-553 2mut as	ttcgcctcaagaagttggtg	vvi-miR171g 0_perfect match probe
vvi miR-554 nat as	gtgatattggttcggctcaa	vvi-miR171g 0_mismatch probe
vvi miR-554 2mut as	gtgatattcgctcgcctcaa	vvi-miR171g +10_perfect match probe
vvi miR-555 nat as	tttgctcgggtgatattgg	vvi-miR171g +10_mismatch probe
vvi miR-555 2mut as	ttgcctcggctgatattgg	vvi-miR171h -10_perfect match probe
vvi miR-556 nat as	ggctcaaccaaacatcagag	vvi-miR171h -10_mismatch probe
vvi miR-556 2mut as	ggctcaacaaaaaatcagag	vvi-miR171h 0_perfect match probe
vvi miR-557 nat as	atattggcgcggctcaacca	vvi-miR171h 0_mismatch probe
vvi miR-557 2mut as	atattggcgcgacctcaacca	vvi-miR171h +10_perfect match probe
vvi miR-558 nat as	gatagacgggatattggcgc	vvi-miR171h +10_mismatch probe
vvi miR-558 2mut as	gatagacaggatattcgcgc	vvi-miR171i -10_perfect match probe
vvi miR-559 nat as	cacggctcaatcagattaaa	

vvi miR-559 2mut as	cacgcctcaatccgattaaa	vvi-miR171i -10_mismatch probe
vvi miR-560 nat as	atgatattggcacggctcaa	vvi-miR171i 0_perfect match probe
vvi miR-560 2mut as	atgatattgccacgcctcaa	vvi-miR171i 0_mismatch probe
vvi miR-561 nat as	agtgaacatgatgatattgg	vvi-miR171i +10_perfect match probe
vvi miR-561 2mut as	agtgaaaatgataatattgg	vvi-miR171i +10_mismatch probe
vvi miR-562 nat as	tcaagattcacatgcaaatg	vvi-miR172a -10_perfect match probe
vvi miR-562 2mut as	tcaagattccatgaaaatg	vvi-miR172a -10_mismatch probe
vvi miR-563 nat as	tgtagcatcatcaagattca	vvi-miR172a 0_perfect match probe
vvi miR-563 2mut as	tgtagaatcataaagattca	vvi-miR172a 0_mismatch probe
vvi miR-564 nat as	tgtttgcgcatgtagcatca	vvi-miR172a +10_perfect match probe
vvi miR-564 2mut as	tgtttgccatgtagaatca	vvi-miR172a +10_mismatch probe
vvi miR-565 nat as	tcaagattcacatgcgaaaag	vvi-miR172b -10_perfect match probe
vvi miR-565 2mut as	tcaagattccatgagaaaag	vvi-miR172b -10_mismatch probe
vvi miR-566 nat as	tgtagcatcatcaagattca	vvi-miR172b 0_perfect match probe
vvi miR-566 2mut as	tgtagaatcataaagattca	vvi-miR172b 0_mismatch probe
vvi miR-567 nat as	tgtttgcaggtgtagcatca	vvi-miR172b +10_perfect match probe
vvi miR-567 2mut as	tgtttgaaggtgtagaatca	vvi-miR172b +10_mismatch probe
vvi miR-568 nat as	tcaagattcccacatcaaag	vvi-miR172c -10_perfect match probe
vvi miR-568 2mut as	tcaagattctaacatcaaag	vvi-miR172c -10_mismatch probe
vvi miR-569 nat as	tcgagcatcatcaagattcc	vvi-miR172c 0_perfect match probe
vvi miR-569 2mut as	tcgagaatcataaagattcc	vvi-miR172c 0_mismatch probe
vvi miR-570 nat as	ttattgccgctgcagcatca	vvi-miR172c +10_perfect match probe
vvi miR-570 2mut as	ttattgccctgcagaatca	vvi-miR172c +10_mismatch probe
vvi miR-571 nat as	tcaagattctcatctcaaaa	vvi-miR172d -10_perfect match probe
vvi miR-571 2mut as	tcaagattcccatctcaaaa	vvi-miR172d -10_mismatch probe
vvi miR-572 nat as	tcgagcatcatcaagattct	vvi-miR172d 0_perfect match probe

vvi miR-572 2mut as	tgcagaatcataaagattct	vvi-miR172d 0_mismatch probe vvi-miR172d +10_perfect match probe
vvi miR-573 nat as vvi miR-573 2mut as	tcactgCGaatgcagcatca tcactgagaatgcagaatca	vvi-miR172d +10_mismatch probe vvi-miR319b -10_perfect match probe
vvi miR-574 nat as vvi miR-574 2mut as vvi miR-575 nat as vvi miR-575 2mut as	tcagtccaagacgtgacagc tcagtcaaagacctgacagc ggagctcccttcagtccaag ggagctctcttcagtccaag	vvi-miR319b -10_mismatch probe vvi-miR319b 0_perfect match probe vvi-miR319b 0_mismatch probe vvi-miR319b +10_perfect match probe
vvi miR-576 nat as vvi miR-576 2mut as	ggaatacaaggagctccct ggaatacaactgagctccct	vvi-miR319b +10_mismatch probe vvi-miR319c -10_perfect match probe
vvi miR-577 nat as vvi miR-577 2mut as vvi miR-578 nat as vvi miR-578 2mut as	tcagtccaagcacaggagc tcagtccaaccacagtgagc ggagctcccttcagtccaag ggagctctcttcagtccaag	vvi-miR319c -10_mismatch probe vvi-miR319c 0_perfect match probe vvi-miR319c 0_mismatch probe vvi-miR319c +10_perfect match probe
vvi miR-579 nat as vvi miR-579 2mut as	tgcagtgaaggagctccct tgcagtgaactgagctccct	vvi-miR319c +10_mismatch probe vvi-miR319e -10_perfect match probe
vvi miR-580 nat as vvi miR-580 2mut as vvi miR-581 nat as vvi miR-581 2mut as	tcagtccaaaacaaggagca tcagtcaaaaacaagaagca ggagctcccttcagtccaaa ggagctctcttcagtccaaa	vvi-miR319e -10_mismatch probe vvi-miR319e 0_perfect match probe vvi-miR319e 0_mismatch probe vvi-miR319e +10_perfect match probe
vvi miR-582 nat as vvi miR-582 2mut as vvi miR-583 nat as vvi miR-583 2mut as vvi miR-584 nat as vvi miR-584 2mut as	agaagaactaggagctccct agaagaattaggagttccct tcagtccaagcacagacaag tcagtccaacaacagacaag ggagctcccttcagtccaag ggagctctcttcagtccaag	vvi-miR319e +10_mismatch probe vvi-miR319f -10_perfect match probe vvi-miR319f -10_mismatch probe vvi-miR319f 0_perfect match probe vvi-miR319f 0_mismatch probe vvi-miR319f +10_perfect match probe
vvi miR-585 nat as	acagtagaaggagctccct	

vvi miR-585 2mut as	acagtagaactgagctccct	vvi-miR319f +10_mismatch probe
vvi miR-586 nat as	tcagtccaatgagtgggcaa	vvi-miR319g -10_perfect match probe
vvi miR-586 2mut as	tcagtcaaatgagtgtgcaa	vvi-miR319g -10_mismatch probe
vvi miR-587 nat as	ggagctcccttcagtccaat	vvi-miR319g 0_perfect match probe
vvi miR-587 2mut as	ggagctctcttcagtccaat	vvi-miR319g 0_mismatch probe
vvi miR-588 nat as	atctgccctgggagctccct	vvi-miR319g +10_perfect match probe
vvi miR-588 2mut as	atctgtcctgtgagctccct	vvi-miR319g +10_mismatch probe
vvi miR-589 nat as	tcctgagcttaacagattct	vvi-miR390 -10_perfect match probe
vvi miR-589 2mut as	tcctgagtttaaagattct	vvi-miR390 -10_mismatch probe
vvi miR-590 nat as	gcgctatccctcctgagctt	vvi-miR390 0_perfect match probe
vvi miR-590 2mut as	gcgctatctcttctgagctt	vvi-miR390 0_mismatch probe
vvi miR-591 nat as	atggctcatggcctatccc	vvi-miR390 +10_perfect match probe
vvi miR-591 2mut as	atggttcattggcctatccc	vvi-miR390 +10_mismatch probe
vvi miR-592 nat as	tccctttggaactgtccacc	vvi-miR393a -10_perfect match probe
vvi miR-592 2mut as	tccctttcgaactgtccacc	vvi-miR393a -10_mismatch probe
vvi miR-593 nat as	atcaatgcatccctttgga	vvi-miR393a 0_perfect match probe
vvi miR-593 2mut as	atcaatgagatctctttgga	vvi-miR393a 0_mismatch probe
vvi miR-594 nat as	taacctgggatcaatgcga	vvi-miR393a +10_perfect match probe
vvi miR-594 2mut as	taacctgtgataaatgcga	vvi-miR393a +10_mismatch probe
vvi miR-595 nat as	tccctttggatgcctcctcc	vvi-miR393b -10_perfect match probe
vvi miR-595 2mut as	tccctttcgatgtcctcctcc	vvi-miR393b -10_mismatch probe
vvi miR-596 nat as	atcaatgcatccctttgga	vvi-miR393b 0_perfect match probe
vvi miR-596 2mut as	atcaatgagatctctttgga	vvi-miR393b 0_mismatch probe
vvi miR-597 nat as	agagtttgggatcaatgcga	vvi-miR393b +10_perfect match probe
vvi miR-597 2mut as	agagtttgtgataaatgcga	vvi-miR393b +10_mismatch probe
vvi miR-598 nat as	agaatgcaaaaatggctctg	vvi-miR394a -10_perfect match probe
vvi miR-598 2mut as	agaatgtcaaaaatgcctctg	vvi-miR394a -10_mismatch probe

vvi miR-599 nat as	tgatgtgcatggaggtggac	vvi-miR394a +10_perfect match probe
vvi miR-599 2mut as	tgatgtgaatcgaggtggac	vvi-miR394a +10_mismatch probe
vvi miR-600 nat as	agaatgccataaaactctgt	vvi-miR394b -10_perfect match probe
vvi miR-600 2mut as	agaatgtcaataaattctgt	vvi-miR394b -10_mismatch probe
vvi miR-601 nat as	tcaagagatgggaggtggac	vvi-miR394b +10_perfect match probe
vvi miR-601 2mut as	tcaagagatctgaggtggac	vvi-miR394b +10_mismatch probe
vvi miR-602 nat as	agaatgccccaaatggctctg	vvi-miR394c -10_perfect match probe
vvi miR-602 2mut as	agaatgtcaaaatgcctctg	vvi-miR394c -10_mismatch probe
vvi miR-603 nat as	tggtatatatggaggtggac	vvi-miR394c +10_perfect match probe
vvi miR-603 2mut as	tggtatataccgaggtggac	vvi-miR394c +10_mismatch probe
vvi miR-604 nat as	aacacttcagtaggaagtca	vvi-miR395a -10_perfect match probe
vvi miR-604 2mut as	aacacttcctagaaagtca	vvi-miR395a -10_mismatch probe
vvi miR-605 nat as	agttccccaaacacttcag	vvi-miR395a 0_perfect match probe
vvi miR-605 2mut as	agttccctcaaaccttcag	vvi-miR395a 0_mismatch probe
vvi miR-606 nat as	cggtaccaggagttccccca	vvi-miR395a +10_perfect match probe
vvi miR-606 2mut as	cggtacaaggagttctccca	vvi-miR395a +10_mismatch probe
vvi miR-607 nat as	aacacttcagtagtaggca	vvi-miR395b -10_perfect match probe
vvi miR-607 2mut as	aacacttccttagtaggca	vvi-miR395b -10_mismatch probe
vvi miR-608 nat as	agttccccaaacacttcag	vvi-miR395b 0_perfect match probe
vvi miR-608 2mut as	agttccctcaaaccttcag	vvi-miR395b 0_mismatch probe
vvi miR-609 nat as	tggcaccaggagttccccca	vvi-miR395b +10_perfect match probe
vvi miR-609 2mut as	tggcacaaggagttctccca	vvi-miR395b +10_mismatch probe
vvi miR-610 nat as	aacacttcagtaggaagtca	vvi-miR395c -10_perfect match probe
vvi miR-610 2mut as	aacacttcctagaaagtca	vvi-miR395c -10_mismatch probe

vvi miR-611 nat as	agttcccccaaacacttcag	vvi-miR395c 0_perfect match probe
vvi miR-611 2mut as	agttccctcaaaccttcag	vvi-miR395c 0_mismatch probe
vvi miR-612 nat as	tggcaccaggagttccccca	vvi-miR395c +10_perfect match probe
vvi miR-612 2mut as	tggcacaaggagttctccca	vvi-miR395c +10_mismatch probe
vvi miR-613 nat as	aacacttcagtaggaagtca	vvi-miR395d -10_perfect match probe
vvi miR-613 2mut as	aacacttcctagaaagtca	vvi-miR395d -10_mismatch probe
vvi miR-614 nat as	agttcccccaaacacttcag	vvi-miR395d 0_perfect match probe
vvi miR-614 2mut as	agttccctcaaaccttcag	vvi-miR395d 0_mismatch probe
vvi miR-615 nat as	tgacaccaggagttccccca	vvi-miR395d +10_perfect match probe
vvi miR-615 2mut as	tgacacaaggagttctccca	vvi-miR395d +10_mismatch probe
vvi miR-616 nat as	aacacttcagtaggaagtca	vvi-miR395e -10_perfect match probe
vvi miR-616 2mut as	aacacttcctagaaagtca	vvi-miR395e -10_mismatch probe
vvi miR-617 nat as	agttcccccaaacacttcag	vvi-miR395e 0_perfect match probe
vvi miR-617 2mut as	agttccctcaaaccttcag	vvi-miR395e 0_mismatch probe
vvi miR-618 nat as	tggcaccaggagttccccca	vvi-miR395e +10_perfect match probe
vvi miR-618 2mut as	tggcacaaggagttctccca	vvi-miR395e +10_mismatch probe
vvi miR-619 nat as	aacacttcagtggaagtca	vvi-miR395f -10_perfect match probe
vvi miR-619 2mut as	aacacttcctgtgaagtca	vvi-miR395f -10_mismatch probe
vvi miR-620 nat as	agttcccccaaacacttcag	vvi-miR395f 0_perfect match probe
vvi miR-620 2mut as	agttccctcaaaccttcag	vvi-miR395f 0_mismatch probe
vvi miR-621 nat as	tgacaccaggagttccccca	vvi-miR395f +10_perfect match probe
vvi miR-621 2mut as	tgacacaaggagttctccca	vvi-miR395f +10_mismatch probe
vvi miR-622 nat as	aacacttcagtaggaattga	vvi-miR395g -10_perfect match probe
vvi miR-622 2mut as	aacacttcctagaaattga	vvi-miR395g -10_mismatch probe
vvi miR-623 nat as	agttcccccaaacacttcag	vvi-miR395g 0_perfect match probe
vvi miR-623 2mut as	agttccctcaaaccttcag	vvi-miR395g 0_mismatch probe
vvi miR-624 nat as	tgacaccggagttccccca	vvi-miR395g +10_perfect match probe

vvi miR-624 nat as	tgacaccaggagttctccca	probe
vvi miR-624 2mut as		vvi-miR395g +10_mismatch probe
vvi miR-625 nat as	aacacttcagtaggaagtca	vvi-miR395h -10_perfect match
vvi miR-625 2mut as	aacacttcgtagaaagtca	probe
vvi miR-626 nat as	agttcccccaaacacttcag	vvi-miR395h -10_mismatch probe
vvi miR-626 2mut as	agttccctcaaacccttcag	vvi-miR395h 0_perfect match probe
vvi miR-627 nat as	tagcaccaggagttccccca	vvi-miR395h 0_mismatch probe
vvi miR-627 2mut as	tagcacaaggagttctccca	vvi-miR395h +10_perfect match
vvi miR-628 nat as	aacacttcagtaggaagtca	probe
vvi miR-628 2mut as	aacacttcgtagaaagtca	vvi-miR395h +10_mismatch probe
vvi miR-629 nat as	agttcccccaaacacttcag	vvi-miR395i -10_perfect match probe
vvi miR-629 2mut as	agttccctcaaacccttcag	vvi-miR395i -10_mismatch probe
vvi miR-630 nat as	tgacaccaggagttccccca	vvi-miR395i 0_perfect match probe
vvi miR-630 2mut as	tgacacaaggagttctccca	vvi-miR395i 0_mismatch probe
vvi miR-631 nat as	aacacttcagtaggaagtca	vvi-miR395i +10_perfect match
vvi miR-631 2mut as	aacacttcgtagaaagtca	probe
vvi miR-632 nat as	agttcccccaaacacttcag	vvi-miR395i +10_mismatch probe
vvi miR-632 2mut as	agttccctcaaacccttcag	vvi-miR395i +10_perfect match probe
vvi miR-633 nat as	tgacaccaggagttccccca	vvi-miR395j -10_perfect match probe
vvi miR-633 2mut as	tgacacaaggagttctccca	vvi-miR395j -10_mismatch probe
vvi miR-634 nat as	aacacttcagtaggaagtca	vvi-miR395j 0_perfect match probe
vvi miR-634 2mut as	aacacttcgtagaaagtca	vvi-miR395j 0_mismatch probe
vvi miR-635 nat as	agttcccccaaacacttcag	vvi-miR395j +10_perfect match
vvi miR-635 2mut as	agttccctcaaacccttcag	probe
vvi miR-636 nat as	tggcaccaggagttccccca	vvi-miR395k -10_mismatch probe
vvi miR-636 2mut as	tggcacaaggagttctccca	vvi-miR395k 0_perfect match probe
vvi miR-637 nat as	aacacttcagtaggaagtca	vvi-miR395k 0_mismatch probe
vvi miR-637 2mut as	aacacttcgtagaaagtca	vvi-miR395k +10_perfect match
		probe
		vvi-miR395k +10_mismatch probe
		vvi-miR395l -10_perfect match probe
		vvi-miR395l -10_mismatch probe

vvi miR-638 nat as	agttcccccaaacacttcag	vvi-miR395l 0_perfect match probe
vvi miR-638 2mut as	agttccctcaaaccttcag	vvi-miR395l 0_mismatch probe
vvi miR-639 nat as	tgacaccaggagtccccca	vvi-miR395l +10_perfect match probe
vvi miR-639 2mut as	tgacacaaggagtctccca	vvi-miR395l +10_mismatch probe
vvi miR-640 nat as	aacacttcagtaggaagtca	vvi-miR395m -10_perfect match probe
vvi miR-640 2mut as	aacacttccgtagaaagtca	vvi-miR395m -10_mismatch probe
vvi miR-641 nat as	agttcccccaaacacttcag	vvi-miR395m 0_perfect match probe
vvi miR-641 2mut as	agttccctcaaaccttcag	vvi-miR395m 0_mismatch probe
vvi miR-642 nat as	tggcaccaggagtccccca	vvi-miR395m +10_perfect match probe
vvi miR-642 2mut as	tggcacaaggagtctccca	vvi-miR395m +10_mismatch probe
vvi miR-643 nat as	gactcttcagtagaggaat	vvi-miR395n -10_perfect match probe
vvi miR-643 2mut as	gactcttccgtagagaaaat	vvi-miR395n -10_mismatch probe
vvi miR-644 nat as	agttcctccagactcttcag	vvi-miR395n 0_perfect match probe
vvi miR-644 2mut as	agttcctcaagcctcttcag	vvi-miR395n 0_mismatch probe
vvi miR-645 nat as	tggcaccaagagttctcca	vvi-miR395n +10_perfect match probe
vvi miR-645 2mut as	tggcacaaaagatttctcca	vvi-miR395n +10_mismatch probe
vvi miR-646 nat as	gctgtgggaggacatggcaa	vvi-miR396a -10_perfect match probe
vvi miR-646 2mut as	gctgtgtgaggacatcgcaa	vvi-miR396a -10_mismatch probe
vvi miR-647 nat as	gctcaagaaagctgtgggag	vvi-miR396a 0_perfect match probe
vvi miR-647 2mut as	gctcaacaaagttgtgggag	vvi-miR396a 0_mismatch probe
vvi miR-648 nat as	tgaaatagaagctcaagaaa	vvi-miR396a +10_perfect match probe
vvi miR-648 2mut as	tgaaatacaagttcaagaaa	vvi-miR396a +10_mismatch probe
vvi miR-649 nat as	gctgtgggaaacctggctt	vvi-miR396b -10_perfect match probe
vvi miR-649 2mut as	gctgtgtgaaacctcgctt	vvi-miR396b -10_mismatch probe
vvi miR-650 nat as	gttcaagaaagctgtgggaa	vvi-miR396b 0_perfect match probe
vvi miR-650 2mut as	gttcaacaaagttgtgggaa	vvi-miR396b 0_mismatch probe

vvi miR-651 nat as	atccactgaagttcaagaaa	vvi-miR396b +10_perfect match
vvi miR-651 2mut as	atcccctgaagttaagaaa	probe
		vvi-miR396b +10_mismatch probe
vvi miR-652 nat as	agctgtggaagatcacagaa	vvi-miR396c -10_perfect match
vvi miR-652 2mut as	agctgtcgaagatcccagaa	probe
vvi miR-653 nat as	agttcaagaaagctgtggaa	vvi-miR396c -10_mismatch probe
vvi miR-653 2mut as	agttaaagaaagttgtggaa	vvi-miR396c 0_perfect match probe
		vvi-miR396c 0_mismatch probe
vvi miR-654 nat as	cttccaaaacagttcaagaa	vvi-miR396c +10_perfect match
vvi miR-654 2mut as	cttcaaaaaccgttcaagaa	probe
		vvi-miR396c +10_mismatch probe
vvi miR-655 nat as	agctgtggaagaatacaaaag	vvi-miR396d -10_perfect match
vvi miR-655 2mut as	agctgtcgaagaataaaaag	probe
vvi miR-656 nat as	agttcaagaaagctgtggaa	vvi-miR396d -10_mismatch probe
vvi miR-656 2mut as	agttaaagaaagttgtggaa	vvi-miR396d 0_perfect match probe
		vvi-miR396d 0_mismatch probe
vvi miR-657 nat as	tgaaaaatgcagttcaagaa	vvi-miR396d +10_perfect match
vvi miR-657 2mut as	tgaaaaatgacgttcaagaa	probe
		vvi-miR396d +10_mismatch probe
vvi miR-658 nat as	cactcaatgatgttttcttc	vvi-miR397a -10_perfect match
vvi miR-658 2mut as	cactcaataatcttttcttc	probe
vvi miR-659 nat as	atcaacgctgcactcaatga	vvi-miR397a -10_mismatch probe
vvi miR-659 2mut as	atcaaccctgaactcaatga	vvi-miR397a 0_perfect match probe
		vvi-miR397a 0_mismatch probe
vvi miR-660 nat as	cttcagtttcatcaacgctg	vvi-miR397a +10_perfect match
vvi miR-660 2mut as	cttcgtttcatcaaagctg	probe
		vvi-miR397a +10_mismatch probe
vvi miR-661 nat as	cactcaatgatgttttcttc	vvi-miR397b -10_perfect match
vvi miR-661 2mut as	cactcaataatcttttcttc	probe
vvi miR-662 nat as	atcaacgctgcactcaatga	vvi-miR397b -10_mismatch probe
vvi miR-662 2mut as	atcaaccctgaactcaatga	vvi-miR397b 0_perfect match probe
		vvi-miR397b 0_mismatch probe
vvi miR-663 nat as	cttcagtttcatcaacgctg	vvi-miR397b +10_perfect match
		probe

vvi miR-663 2mut as	cttcggttcatcaaagctg	vvi-miR397b +10_mismatch probe
vvi miR-664 nat as	tgagaacacaaaatgcatta	vvi-miR398a -10_perfect match probe
vvi miR-664 2mut as	tgagaacccaaaatgaatta	vvi-miR398a -10_mismatch probe
vvi miR-665 nat as	aggggtgacctgagaacaca	vvi-miR398a 0_perfect match probe
vvi miR-665 2mut as	aggggtgatccgagaacaca	vvi-miR398a 0_mismatch probe
vvi miR-666 nat as	ggtgccccaaaggggtgacc	vvi-miR398a +10_perfect match probe
vvi miR-666 2mut as	ggtgtcccaaaggtgtgacc	vvi-miR398a +10_mismatch probe
vvi miR-667 nat as	tgagaacacatgagagcaaa	vvi-miR398b -10_perfect match probe
vvi miR-667 2mut as	tgagaacccatgagacaaa	vvi-miR398b -10_mismatch probe
vvi miR-668 nat as	aggggcgacctgagaacaca	vvi-miR398b 0_perfect match probe
vvi miR-668 2mut as	aggggagacccgagaacaca	vvi-miR398b 0_mismatch probe
vvi miR-669 nat as	ggagtccagcaggggcgacc	vvi-miR398b +10_perfect match probe
vvi miR-669 2mut as	ggagtccagaaggggagacc	vvi-miR398b +10_mismatch probe
vvi miR-670 nat as	tgagaacacatgagagcaaa	vvi-miR398c -10_perfect match probe
vvi miR-670 2mut as	tgagaacccatgagacaaa	vvi-miR398c -10_mismatch probe
vvi miR-671 nat as	aggggcgacctgagaacaca	vvi-miR398c 0_perfect match probe
vvi miR-671 2mut as	aggggagacccgagaacaca	vvi-miR398c 0_mismatch probe
vvi miR-672 nat as	ggagtccagcaggggcgacc	vvi-miR398c +10_perfect match probe
vvi miR-672 2mut as	ggagtccagaaggggagacc	vvi-miR398c +10_mismatch probe
vvi miR-673 nat as	tcctttggcagagcagctac	vvi-miR399a -10_perfect match probe
vvi miR-673 2mut as	tcctttgccagagaagctac	vvi-miR399a -10_mismatch probe
vvi miR-674 nat as	agggcaattctcctttggca	vvi-miR399a 0_perfect match probe
vvi miR-674 2mut as	agggaaattcttctttggca	vvi-miR399a 0_mismatch probe
vvi miR-675 nat as	attgaataacagggaattc	vvi-miR399a +10_perfect match probe
vvi miR-675 2mut as	attgaataaaaggccaattc	vvi-miR399a +10_mismatch probe
vvi miR-676 nat as	tcctttggcaagtcacatct	vvi-miR399b -10_perfect match probe

vvi miR-676 2mut as	tcctttgccaagtcccatct	probe
vvi miR-677 nat as	agggcaactctcctttggca	vvi-miR399b -10_mismatch probe
vvi miR-677 2mut as	agggaaaactcttctttggca	vvi-miR399b 0_perfect match probe
		vvi-miR399b 0_mismatch probe
		vvi-miR399b +10_perfect match probe
vvi miR-678 nat as	aagcagtcacagggcaactc	vvi-miR399b +10_mismatch probe
vvi miR-678 2mut as	aagcagtcaccaggccaactc	vvi-miR399c -10_perfect match probe
		vvi-miR399c -10_mismatch probe
vvi miR-679 nat as	tcctttggcagatcattcac	vvi-miR399c 0_perfect match probe
vvi miR-679 2mut as	tcctttgccagataattcac	vvi-miR399c 0_mismatch probe
vvi miR-680 nat as	agggcaactctcctttggca	vvi-miR399c +10_perfect match probe
vvi miR-680 2mut as	agggaaaactcttctttggca	vvi-miR399c +10_mismatch probe
		vvi-miR399c +10_perfect match probe
vvi miR-681 nat as	aaccagacacagggcaactc	vvi-miR399c +10_mismatch probe
vvi miR-681 2mut as	aaccagaccaggccaactc	vvi-miR399d -10_perfect match probe
		vvi-miR399d -10_mismatch probe
vvi miR-682 nat as	tcctttggcagacacactca	vvi-miR399d 0_perfect match probe
vvi miR-682 2mut as	tcctttgccagacacctca	vvi-miR399d 0_mismatch probe
vvi miR-683 nat as	cgagcaaactctcctttggca	vvi-miR399d +10_perfect match probe
vvi miR-683 2mut as	cgagaaaactcttctttggca	vvi-miR399d +10_mismatch probe
		vvi-miR399d +10_perfect match probe
vvi miR-684 nat as	gttaaattcacgagcaaactc	vvi-miR399e -10_perfect match probe
vvi miR-684 2mut as	gttaaattcccagagaaaactc	vvi-miR399e -10_mismatch probe
		vvi-miR399e 0_perfect match probe
vvi miR-685 nat as	tcctttggcagagggcacac	vvi-miR399e 0_mismatch probe
vvi miR-685 2mut as	tcctttgccagagggccacac	vvi-miR399e +10_perfect match probe
vvi miR-686 nat as	cgggcaaactctcctttggca	vvi-miR399e +10_mismatch probe
vvi miR-686 2mut as	cgggaaaactcttctttggca	vvi-miR399e +10_perfect match probe
		vvi-miR399e +10_mismatch probe
vvi miR-687 nat as	gaagaattgccgggcaaactc	vvi-miR399f -10_perfect match probe
vvi miR-687 2mut as	gaagaattgtcggccaaactc	vvi-miR399f -10_mismatch probe
vvi miR-688 nat as	tccttcggcagcgagaagac	vvi-miR399f 0_perfect match probe
vvi miR-688 2mut as	tccttcgccagagagaagac	vvi-miR399f 0_mismatch probe
vvi miR-689 nat as	aggacaaactctccttcggca	vvi-miR399f 0_perfect match probe

vvi miR-689 2mut as	aggaaaaatctccttaggca	vvi-miR399f 0_mismatch probe
vvi miR-690 nat as	gaagaattgcaggacaaatc	vvi-miR399f +10_perfect match probe
vvi miR-690 2mut as	gaagaattgaagaacaaatc	vvi-miR399f +10_mismatch probe
vvi miR-691 nat as	tcctttggcagtgcgcttag	vvi-miR399g -10_perfect match probe
vvi miR-691 2mut as	tcctttgccagtgcgcttag	vvi-miR399g -10_mismatch probe
vvi miR-692 nat as	ggggcaaatctcctttggca	vvi-miR399g 0_perfect match probe
vvi miR-692 2mut as	ggggaaaatctcctttggca	vvi-miR399g 0_mismatch probe
vvi miR-693 nat as	gctgaattgaggggcaaatc	vvi-miR399g +10_perfect match probe
vvi miR-693 2mut as	gctgaattaaggggcaaatc	vvi-miR399g +10_mismatch probe
vvi miR-694 nat as	tcctttggcaaacagaagt	vvi-miR399h -10_perfect match probe
vvi miR-694 2mut as	tcctttgcaaaaaagaagt	vvi-miR399h -10_mismatch probe
vvi miR-695 nat as	agggcaattctcctttggca	vvi-miR399h 0_perfect match probe
vvi miR-695 2mut as	agggaaattctcctttggca	vvi-miR399h 0_mismatch probe
vvi miR-696 nat as	agcgaatggcagggcaatc	vvi-miR399h +10_perfect match probe
vvi miR-696 2mut as	agcgaatgccaggccaatc	vvi-miR399h +10_mismatch probe
vvi miR-697 nat as	tcctttggcgggtcattgga	vvi-miR399i -10_perfect match probe
vvi miR-697 2mut as	tcctttggagtgtcattgga	vvi-miR399i -10_mismatch probe
vvi miR-698 nat as	agggcaactctcctttggcg	vvi-miR399i 0_perfect match probe
vvi miR-698 2mut as	agggaaactctcctttggcg	vvi-miR399i 0_mismatch probe
vvi miR-699 nat as	aagtagtcacagggcaactc	vvi-miR399i +10_perfect match probe
vvi miR-699 2mut as	aagtagtcccaggccaactc	vvi-miR399i +10_mismatch probe
vvi miR-700 nat as	gtgaatctaaccgctcgaa	vvi-miR403a -10_perfect match probe
vvi miR-700 2mut as	gtgaatttaaccccgtcgaa	vvi-miR403a -10_mismatch probe
vvi miR-701 nat as	gagtttgtgcgtgaatctaa	vvi-miR403a 0_perfect match probe
vvi miR-701 2mut as	gagtttgtgactgaatctaa	vvi-miR403a 0_mismatch probe
vvi miR-702 nat as	cagaactcacgagtttgtgc	vvi-miR403a +10_perfect match probe

vvi miR-702 2mut as	cagaactcaaaagtttgctgc	vvi-miR403a +10_mismatch probe
vvi miR-703 nat as	gtgaatctaacaccctttg	vvi-miR403b -10_perfect match probe
vvi miR-703 2mut as	gtgaatttaacacctttg	vvi-miR403b -10_mismatch probe
vvi miR-704 nat as	gagtttgctgctgaatctaa	vvi-miR403b 0_perfect match probe
vvi miR-704 2mut as	gagtttgactgaatctaa	vvi-miR403b 0_mismatch probe
vvi miR-705 nat as	gacagatcccagtttgctgc	vvi-miR403b +10_perfect match probe
vvi miR-705 2mut as	gacagatccaaagtttgctgc	vvi-miR403b +10_mismatch probe
vvi miR-706 nat as	gtgaatctaacggcgtcgaa	vvi-miR403c -10_perfect match probe
vvi miR-706 2mut as	gtgaatttaacggagtcgaa	vvi-miR403c -10_mismatch probe
vvi miR-707 nat as	gagtttgctgctgaatctaa	vvi-miR403c 0_perfect match probe
vvi miR-707 2mut as	gagtttgactgaatctaa	vvi-miR403c 0_mismatch probe
vvi miR-708 nat as	gacagatcacgagtttgctgc	vvi-miR403c +10_perfect match probe
vvi miR-708 2mut as	gacagatcaaaagtttgctgc	vvi-miR403c +10_mismatch probe
vvi miR-709 nat as	gtgaatctaacaccctttg	vvi-miR403d -10_perfect match probe
vvi miR-709 2mut as	gtgaatttaacacctttg	vvi-miR403d -10_mismatch probe
vvi miR-710 nat as	gagtttgctgctgaatctaa	vvi-miR403d 0_perfect match probe
vvi miR-710 2mut as	gagtttgactgaatctaa	vvi-miR403d 0_mismatch probe
vvi miR-711 nat as	gacagatcccagtttgctgc	vvi-miR403d +10_perfect match probe
vvi miR-711 2mut as	gacagatccaaagtttgctgc	vvi-miR403d +10_mismatch probe
vvi miR-712 nat as	gtgaatctaacggcgtcgaa	vvi-miR403e -10_perfect match probe
vvi miR-712 2mut as	gtgaatttaacggagtcgaa	vvi-miR403e -10_mismatch probe
vvi miR-713 nat as	gagtttgctgctgaatctaa	vvi-miR403e 0_perfect match probe
vvi miR-713 2mut as	gagtttgactgaatctaa	vvi-miR403e 0_mismatch probe
vvi miR-714 nat as	gacagatcgcgagtttgctgc	vvi-miR403e +10_perfect match probe
vvi miR-714 2mut as	gacagatcgaaagtttgctgc	vvi-miR403e +10_mismatch probe
vvi miR-715 nat as	gtgaatctaagaccatagaa	vvi-miR403f -10_perfect match probe

vvi miR-715 2mut as	gtgaatttaagacaatagaa	vvi-miR403f -10_mismatch probe
vvi miR-716 nat as	gagtttgcgtgaatctaa	vvi-miR403f 0_perfect match probe
vvi miR-716 2mut as	gagtttgtgactgaatctaa	vvi-miR403f 0_mismatch probe
		vvi-miR403f +10_perfect match probe
vvi miR-717 nat as	gacagattacgagtttgtgc	vvi-miR403f +10_mismatch probe
vvi miR-717 2mut as	gacagattaaagtttgtgc	vvi-miR408 -10_perfect match probe
vvi miR-718 nat as	ggcagtgcattggtagagca	vvi-miR408 -10_mismatch probe
vvi miR-718 2mut as	ggcagtgaatgttagagca	vvi-miR408 0_perfect match probe
vvi miR-719 nat as	ccagggaagaggcagtgcat	vvi-miR408 0_mismatch probe
vvi miR-719 2mut as	ccagtgaagagccagtgcat	vvi-miR408 +10_perfect match probe
vvi miR-720 nat as	agagacagagccagggaaga	vvi-miR408 +10_mismatch probe
vvi miR-720 2mut as	agagacagactcagggaaga	vvi-miR477a -10_perfect match probe
		vvi-miR477a -10_mismatch probe
vvi miR-721 nat as	tgaggagattgacaacttc	vvi-miR477a 0_perfect match probe
vvi miR-721 2mut as	tgagtgagattgaaaacttc	vvi-miR477a 0_mismatch probe
vvi miR-722 nat as	tggaagccttgaggagat	vvi-miR477a +10_perfect match probe
vvi miR-722 2mut as	tggaagtcttgagtgagat	vvi-miR477a +10_mismatch probe
		vvi-miR477a +10_perfect match probe
vvi miR-723 nat as	ccaggaaaattggaagcctt	vvi-miR479 -10_perfect match probe
vvi miR-723 2mut as	ccagaaaaattggaaccctt	vvi-miR479 -10_mismatch probe
vvi miR-724 nat as	caataccacaccatgtctac	vvi-miR479 0_perfect match probe
vvi miR-724 2mut as	caatacaacacaatgtctac	vvi-miR479 0_mismatch probe
vvi miR-725 nat as	tgagccgaaccaataaccaca	vvi-miR479 +10_perfect match probe
vvi miR-725 2mut as	tgagtccaacaataaccaca	vvi-miR479 +10_mismatch probe
vvi miR-726 nat as	tgaaagaagatgagccgaac	vvi-miR482a -10_perfect match probe
vvi miR-726 2mut as	tgaaagaacatgagtcgaac	vvi-miR482a -10_mismatch probe
		vvi-miR482a 0_perfect match probe
vvi miR-727 nat as	gaggagtaggaaagactagc	vvi-miR482a 0_mismatch probe
vvi miR-727 2mut as	gaggagtagaaaagcctagc	vvi-miR482a +10_perfect match probe
vvi miR-728 nat as	ataggaatgggaggagtagg	vvi-miR482a +10_mismatch probe
vvi miR-728 2mut as	ataggaatgtgagaagtagg	
vvi miR-729 nat as	gaaaacaataggaatgg	
vvi miR-729 2mut as	gaaaaaatagaaatgg	

vvi miR-730 nat as	ctcgttgcaagcaattaca	vvi-miR535a -10_perfect match
vvi miR-730 2mut as	ctcgttctcaagaaattaca	probe
vvi miR-731 nat as	cgtgctctctcctgttgca	vvi-miR535a -10_mismatch probe
vvi miR-731 2mut as	cgtgttctctctcctgtgca	vvi-miR535a 0_perfect match probe
		vvi-miR535a 0_mismatch probe
		vvi-miR535a +10_perfect match
		probe
vvi miR-732 nat as	tgctgactagcgtgctctct	vvi-miR535a +10_mismatch probe
vvi miR-732 2mut as	tgctgactacagtgtctctct	vvi-miR535b -10_perfect match
		probe
vvi miR-733 nat as	ctcgttgcaagcaattaca	vvi-miR535b -10_mismatch probe
vvi miR-733 2mut as	ctcgttctcaagaaattaca	vvi-miR535b 0_perfect match probe
vvi miR-734 nat as	cgtgctctctcctgttgca	vvi-miR535b 0_mismatch probe
vvi miR-734 2mut as	cgtgttctctctcctgtgca	vvi-miR535b +10_perfect match
		probe
vvi miR-735 nat as	tgctgactagcgtgctctct	vvi-miR535b +10_mismatch probe
vvi miR-735 2mut as	tgctgactacagtgtctctct	vvi-miR535c -10_perfect match
		probe
vvi miR-736 nat as	ctcgttgcaagcaattaca	vvi-miR535c -10_mismatch probe
vvi miR-736 2mut as	ctcgttctcaagaaattaca	vvi-miR535c 0_perfect match probe
vvi miR-737 nat as	cgtgctctctcctgttgca	vvi-miR535c 0_mismatch probe
vvi miR-737 2mut as	cgtgttctctctcctgtgca	vvi-miR535c +10_perfect match
		probe
vvi miR-738 nat as	tgctgactagcgtgctctct	vvi-miR535c +10_mismatch probe
vvi miR-738 2mut as	tgctgactacagtgtctctct	vvi-miR535d -10_perfect match
		probe
vvi miR-739 nat as	ctcgttgcaagcaattaca	vvi-miR535d -10_mismatch probe
vvi miR-739 2mut as	ctcgttctcaagaaattaca	vvi-miR535d 0_perfect match probe
vvi miR-740 nat as	cgtgctctctcctgttgca	vvi-miR535d 0_mismatch probe
vvi miR-740 2mut as	cgtgttctctctcctgtgca	vvi-miR535d +10_perfect match
		probe
vvi miR-741 nat as	tgccagactagcgtgctctct	vvi-miR535d +10_mismatch probe
vvi miR-741 2mut as	tgccagactacagtgtctctct	vvi-miR535e -10_perfect match
		probe
vvi miR-742 nat as	ctcgttgcaagcaattaca	

vvi miR-742 2mut as	ctcgttctcaagaaattaca	vvi-miR535e -10_mismatch probe
vvi miR-743 nat as	cgtgctctctcgttgca	vvi-miR535e 0_perfect match probe
vvi miR-743 2mut as	cgtgttctctctccttgca	vvi-miR535e 0_mismatch probe
vvi miR-744 nat as	tgcagactagcgtgctctct	vvi-miR535e +10_perfect match probe
vvi miR-744 2mut as	tgcagactacagtgctctct	vvi-miR535e +10_mismatch probe
vvi miR-745 nat as	ttgagcaagaaactttata	vvi-miR828a -10_perfect match probe
vvi miR-745 2mut as	ttgagaaagaaattttata	vvi-miR828a -10_mismatch probe
vvi miR-746 nat as	gaatactcatttgagcaaga	vvi-miR828a 0_perfect match probe
vvi miR-746 2mut as	gaatactaatttgagaaaga	vvi-miR828a 0_mismatch probe
vvi miR-747 nat as	ctgttgtttgaataactcat	vvi-miR828a +10_perfect match probe
vvi miR-747 2mut as	ctgttgtttcaaatactcat	vvi-miR828a +10_mismatch probe
vvi miR-748 nat as	ttgagcaagaaaccaagagc	vvi-miR828b -10_perfect match probe
vvi miR-748 2mut as	ttgagaaagaaacaagagc	vvi-miR828b -10_mismatch probe
vvi miR-749 nat as	gaacactcatttgagcaaga	vvi-miR828b 0_perfect match probe
vvi miR-749 2mut as	gaaccctcatttgagaaaga	vvi-miR828b 0_mismatch probe
vvi miR-750 nat as	ggttgatgtggaacactcat	vvi-miR828b +10_perfect match probe
vvi miR-750 2mut as	ggttgatgtcaaacactcat	vvi-miR828b +10_mismatch probe
vvi miR-751 nat as	atcagagctagacctcttgc	vvi-miR845a -10_perfect match probe
vvi miR-751 2mut as	atcagagttagatctcttgc	vvi-miR845a -10_mismatch probe
vvi miR-752 nat as	atcaattggtatcagagcta	vvi-miR845a 0_perfect match probe
vvi miR-752 2mut as	atcaattcgtatccgagcta	vvi-miR845a 0_mismatch probe
vvi miR-753 nat as	cctttgtttatcaattggt	vvi-miR845a +10_perfect match probe
vvi miR-753 2mut as	cctttctttataaattggt	vvi-miR845a +10_mismatch probe
vvi miR-754 nat as	atcagagctagacctcttgc	vvi-miR845b -10_perfect match probe
vvi miR-754 2mut as	atcagagttagatctcttgc	vvi-miR845b -10_mismatch probe
vvi miR-755 nat as	atcaattggtatcagagcta	vvi-miR845b 0_perfect match probe

vvi miR-755 2mut as	atcaattcgtatccgagcta	vvi-miR845b 0_mismatch probe
vvi miR-756 nat as	cctttgtttatcaattggt	vvi-miR845b +10_perfect match probe
vvi miR-756 2mut as	cctttctttataaattggt	vvi-miR845b +10_mismatch probe
vvi miR-757 nat as	atcagagcctcatgtttaat	vvi-miR845c -10_perfect match probe
vvi miR-757 2mut as	atcagagtctcatctttaat	vvi-miR845c -10_mismatch probe
vvi miR-758 nat as	atcaattggatcagagcct	vvi-miR845c 0_perfect match probe
vvi miR-758 2mut as	atcaattcgtatccgagcct	vvi-miR845c 0_mismatch probe
vvi miR-759 nat as	tggtttatgcatcaattggt	vvi-miR845c +10_perfect match probe
vvi miR-759 2mut as	tggtttatgaataaattggt	vvi-miR845c +10_mismatch probe
vvi miR-760 nat as	atcagagccataggttagta	vvi-miR845d -10_perfect match probe
vvi miR-760 2mut as	atcagagtcatagcttagta	vvi-miR845d -10_mismatch probe
vvi miR-761 nat as	atcaattggatcagagcca	vvi-miR845d 0_perfect match probe
vvi miR-761 2mut as	atcaattcgtatccgagcca	vvi-miR845d 0_mismatch probe
vvi miR-762 nat as	ggttttcccatcaattggt	vvi-miR845d +10_perfect match probe
vvi miR-762 2mut as	ggttttctcataaattggt	vvi-miR845d +10_mismatch probe
vvi miR-763 nat as	atcagagccataggttagta	vvi-miR845e -10_perfect match probe
vvi miR-763 2mut as	atcagagtcatagcttagta	vvi-miR845e -10_mismatch probe
vvi miR-764 nat as	atcaattggatcagagcca	vvi-miR845e 0_perfect match probe
vvi miR-764 2mut as	atcaattcgtatccgagcca	vvi-miR845e 0_mismatch probe
vvi miR-765 nat as	agttttcccatcaattggt	vvi-miR845e +10_perfect match probe
vvi miR-765 2mut as	agttttctcataaattggt	vvi-miR845e +10_mismatch probe
vvi miR-766 nat as	tgacagaagaagagagagcac	vvi-miR156a *_perfect match probe
vvi miR-766 2mut as	tgaccgaagaagagagcgcac	vvi-miR156a *_mismatch probe
vvi miR-767 nat as	tgacagaagagaaatgagcac	vvi-miR156b *_perfect match probe
vvi miR-767 2mut as	tgaccgaagagaaataagcac	vvi-miR156b *_mismatch probe
vvi miR-768 nat as	tgacagatagagagtgagcac	vvi-miR156c *_perfect match probe
vvi miR-768 2mut as	tgaccgatagagagcgagcac	vvi-miR156c *_mismatch probe

vvi|miR-769|nat|as|
vvi|miR-769|2mut|as|
vvi|miR-770|nat|as|
vvi|miR-770|2mut|as|
vvi|miR-771|nat|as|
vvi|miR-771|2mut|as|
vvi|miR-772|nat|as|
vvi|miR-772|2mut|as|
vvi|miR-773|nat|as|
vvi|miR-773|2mut|as|
vvi|miR-774|nat|as|
vvi|miR-774|2mut|as|
vvi|miR-775|nat|as|
vvi|miR-775|2mut|as|
vvi|miR-776|nat|as|
vvi|miR-776|2mut|as|
vvi|miR-777|nat|as|
vvi|miR-777|2mut|as|
vvi|miR-778|nat|as|
vvi|miR-778|2mut|as|
vvi|miR-779|nat|as|
vvi|miR-779|2mut|as|
vvi|miR-780|nat|as|
vvi|miR-780|2mut|as|
vvi|miR-781|nat|as|
vvi|miR-781|2mut|as|
vvi|miR-782|nat|as|
vvi|miR-782|2mut|as|
vvi|miR-783|nat|as|
vvi|miR-783|2mut|as|
vvi|miR-784|nat|as|
vvi|miR-784|2mut|as|
vvi|miR-785|nat|as|
vvi|miR-785|2mut|as|

tgacagaaagagaggtgagcac
tgaccgaaagagagctgagcac
tgacagatagggagtaagcac
tgacagatagtaagtaagcac
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ttgacagaagaagagagcggac
tgacagaagtctagagagcac
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tgaaaggccccgaaagaac
tgacagaagaatagagagcac
tgaccgaagaatagagcgcac
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tgcattgactcctcatacgcca
tgcattgactcctcataagcca
tcgatgaaccgctgatccag
tcgatgaaccctgaatccag
tgagagaagggagcacgtgc
tgagagaaggtgagaacgtgc

vvi-miR156d|*_perfect match probe
vvi-miR156d|*_mismatch probe
vvi-miR156e|*_perfect match probe
vvi-miR156e|*_mismatch probe
vvi-miR156f|*_perfect match probe
vvi-miR156f|*_mismatch probe
vvi-miR156g|*_perfect match probe
vvi-miR156g|*_mismatch probe
vvi-miR156h|*_perfect match probe
vvi-miR156h|*_mismatch probe
vvi-miR156i|*_perfect match probe
vvi-miR156i|*_mismatch probe
vvi-miR159a|*_perfect match probe
vvi-miR159a|*_mismatch probe
vvi-miR159b|*_perfect match probe
vvi-miR159b|*_mismatch probe
vvi-miR159c|*_perfect match probe
vvi-miR159c|*_mismatch probe
vvi-miR160a|*_perfect match probe
vvi-miR160a|*_mismatch probe
vvi-miR160b|*_perfect match probe
vvi-miR160b|*_mismatch probe
vvi-miR160c|*_perfect match probe
vvi-miR160c|*_mismatch probe
vvi-miR160d|*_perfect match probe
vvi-miR160d|*_mismatch probe
vvi-miR160e|*_perfect match probe
vvi-miR160e|*_mismatch probe
vvi-miR160f|*_perfect match probe
vvi-miR160f|*_mismatch probe
vvi-miR162|*_perfect match probe
vvi-miR162|*_mismatch probe
vvi-miR164a|*_perfect match probe
vvi-miR164a|*_mismatch probe

vvi|miR-786|nat|as|
vvi|miR-786|2mut|as|
vvi|miR-787|nat|as|
vvi|miR-787|2mut|as|
vvi|miR-788|nat|as|
vvi|miR-788|2mut|as|
vvi|miR-789|nat|as|
vvi|miR-789|2mut|as|
vvi|miR-790|nat|as|
vvi|miR-790|2mut|as|
vvi|miR-791|nat|as|
vvi|miR-791|2mut|as|
vvi|miR-792|nat|as|
vvi|miR-792|2mut|as|
vvi|miR-793|nat|as|
vvi|miR-793|2mut|as|
vvi|miR-794|nat|as|
vvi|miR-794|2mut|as|
vvi|miR-795|nat|as|
vvi|miR-795|2mut|as|
vvi|miR-796|nat|as|
vvi|miR-796|2mut|as|
vvi|miR-797|nat|as|
vvi|miR-797|2mut|as|
vvi|miR-798|nat|as|
vvi|miR-798|2mut|as|
vvi|miR-799|nat|as|
vvi|miR-799|2mut|as|
vvi|miR-800|nat|as|
vvi|miR-800|2mut|as|
vvi|miR-801|nat|as|
vvi|miR-801|2mut|as|
vvi|miR-802|nat|as|
vvi|miR-802|2mut|as|

ggagagccagggcacatg
ggagagtcagggcacatg
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tgaaactgtcccatgatct
tcagttgatgcaaggcggga
tcagttgatccaaggaggga
agccaaggacaactgccag
agccaagaacaactcccag

vvi-miR164b|*_perfect match probe
vvi-miR164b|*_mismatch probe
vvi-miR164d|*_perfect match probe
vvi-miR164d|*_mismatch probe
vvi-miR166c|*_perfect match probe
vvi-miR166c|*_mismatch probe
vvi-miR166d|*_perfect match probe
vvi-miR166d|*_mismatch probe
vvi-miR166e|*_perfect match probe
vvi-miR166e|*_mismatch probe
vvi-miR166f|*_perfect match probe
vvi-miR166f|*_mismatch probe
vvi-miR166g|*_perfect match probe
vvi-miR166g|*_mismatch probe
vvi-miR166h|*_perfect match probe
vvi-miR166h|*_mismatch probe
vvi-miR166a|*_perfect match probe
vvi-miR166a|*_mismatch probe
vvi-miR166b|*_perfect match probe
vvi-miR166b|*_mismatch probe
vvi-miR167a|*_perfect match probe
vvi-miR167a|*_mismatch probe
vvi-miR167b|*_perfect match probe
vvi-miR167b|*_mismatch probe
vvi-miR167c|*_perfect match probe
vvi-miR167c|*_mismatch probe
vvi-miR167d|*_perfect match probe
vvi-miR167d|*_mismatch probe
vvi-miR167e|*_perfect match probe
vvi-miR167e|*_mismatch probe
vvi-miR168|*_perfect match probe
vvi-miR168|*_mismatch probe
vvi-miR169a|*_perfect match probe
vvi-miR169a|*_mismatch probe

vvi|miR-803|nat|as|
vvi|miR-803|2mut|as|
vvi|miR-804|nat|as|
vvi|miR-804|2mut|as|
vvi|miR-805|nat|as|
vvi|miR-805|2mut|as|
vvi|miR-806|nat|as|
vvi|miR-806|2mut|as|
vvi|miR-807|nat|as|
vvi|miR-807|2mut|as|
vvi|miR-808|nat|as|
vvi|miR-808|2mut|as|
vvi|miR-809|nat|as|
vvi|miR-809|2mut|as|
vvi|miR-810|nat|as|
vvi|miR-810|2mut|as|
vvi|miR-811|nat|as|
vvi|miR-811|2mut|as|
vvi|miR-812|nat|as|
vvi|miR-812|2mut|as|
vvi|miR-813|nat|as|
vvi|miR-813|2mut|as|
vvi|miR-814|nat|as|
vvi|miR-814|2mut|as|
vvi|miR-815|nat|as|
vvi|miR-815|2mut|as|
vvi|miR-816|nat|as|
vvi|miR-816|2mut|as|
vvi|miR-817|nat|as|
vvi|miR-817|2mut|as|
vvi|miR-818|nat|as|
vvi|miR-818|2mut|as|
vvi|miR-819|nat|as|
vvi|miR-819|2mut|as|

tgccaaggagacttgcc
tgccaagaagccttgcc
gagccaaggatgactaacgg
gagcaaaggatgcctaaccg
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gagcaaagaataactcctgtc
gagcctcggatgcttgccag
gagcctcagatgcttcccag
gagccaggattacatgccgg
gagcaaggattacatcccgg

vvi-miR169y|*_perfect match probe
vvi-miR169y|*_mismatch probe
vvi-miR169b|*_perfect match probe
vvi-miR169b|*_mismatch probe
vvi-miR169c|*_perfect match probe
vvi-miR169c|*_mismatch probe
vvi-miR169d|*_perfect match probe
vvi-miR169d|*_mismatch probe
vvi-miR169e|*_perfect match probe
vvi-miR169e|*_mismatch probe
vvi-miR169f|*_perfect match probe
vvi-miR169f|*_mismatch probe
vvi-miR169g|*_perfect match probe
vvi-miR169g|*_mismatch probe
vvi-miR169h|*_perfect match probe
vvi-miR169h|*_mismatch probe
vvi-miR169i|*_perfect match probe
vvi-miR169i|*_mismatch probe
vvi-miR169j|*_perfect match probe
vvi-miR169j|*_mismatch probe
vvi-miR169k|*_perfect match probe
vvi-miR169k|*_mismatch probe
vvi-miR169l|*_perfect match probe
vvi-miR169l|*_mismatch probe
vvi-miR169m|*_perfect match probe
vvi-miR169m|*_mismatch probe
vvi-miR169n|*_perfect match probe
vvi-miR169n|*_mismatch probe
vvi-miR169o|*_perfect match probe
vvi-miR169o|*_mismatch probe
vvi-miR169p|*_perfect match probe
vvi-miR169p|*_mismatch probe
vvi-miR169q|*_perfect match probe
vvi-miR169q|*_mismatch probe

vvi|miR-820|nat|as|
vvi|miR-820|2mut|as|
vvi|miR-821|nat|as|
vvi|miR-821|2mut|as|
vvi|miR-822|nat|as|
vvi|miR-822|2mut|as|
vvi|miR-823|nat|as|
vvi|miR-823|2mut|as|
vvi|miR-824|nat|as|
vvi|miR-824|2mut|as|
vvi|miR-825|nat|as|
vvi|miR-825|2mut|as|
vvi|miR-826|nat|as|
vvi|miR-826|2mut|as|
vvi|miR-827|nat|as|
vvi|miR-827|2mut|as|
vvi|miR-828|nat|as|
vvi|miR-828|2mut|as|
vvi|miR-829|nat|as|
vvi|miR-829|2mut|as|
vvi|miR-830|nat|as|
vvi|miR-830|2mut|as|
vvi|miR-831|nat|as|
vvi|miR-831|2mut|as|
vvi|miR-832|nat|as|
vvi|miR-832|2mut|as|
vvi|miR-833|nat|as|
vvi|miR-833|2mut|as|
vvi|miR-834|nat|as|
vvi|miR-834|2mut|as|
vvi|miR-835|nat|as|
vvi|miR-835|2mut|as|
vvi|miR-836|nat|as|
vvi|miR-836|2mut|as|

tgagtcaagtcaacttgccg
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ccgatcgaaccaacat
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ggttgaaccaaccaacatc
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ttgagtcattccaacatcccc
gaatcttgatgatgetgcat
gaatcttaatgatcctgcat

vvi-miR169r|*_perfect match probe
vvi-miR169r|*_mismatch probe
vvi-miR169s|*_perfect match probe
vvi-miR169s|*_mismatch probe
vvi-miR169t|*_perfect match probe
vvi-miR169t|*_mismatch probe
vvi-miR169u|*_perfect match probe
vvi-miR169u|*_mismatch probe
vvi-miR169v|*_perfect match probe
vvi-miR169v|*_mismatch probe
vvi-miR169w|*_perfect match probe
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vvi-miR169x|*_perfect match probe
vvi-miR169x|*_mismatch probe
vvi-miR171a|*_perfect match probe
vvi-miR171a|*_mismatch probe
vvi-miR171b|*_perfect match probe
vvi-miR171b|*_mismatch probe
vvi-miR171c|*_perfect match probe
vvi-miR171c|*_mismatch probe
vvi-miR171d|*_perfect match probe
vvi-miR171d|*_mismatch probe
vvi-miR171e|*_perfect match probe
vvi-miR171e|*_mismatch probe
vvi-miR171f|*_perfect match probe
vvi-miR171f|*_mismatch probe
vvi-miR171g|*_perfect match probe
vvi-miR171g|*_mismatch probe
vvi-miR171h|*_perfect match probe
vvi-miR171h|*_mismatch probe
vvi-miR171i|*_perfect match probe
vvi-miR171i|*_mismatch probe
vvi-miR172a|*_perfect match probe
vvi-miR172a|*_mismatch probe

vvi|miR-837|nat|as|
vvi|miR-837|2mut|as|
vvi|miR-838|nat|as|
vvi|miR-838|2mut|as|
vvi|miR-839|nat|as|
vvi|miR-839|2mut|as|
vvi|miR-840|nat|as|
vvi|miR-840|2mut|as|
vvi|miR-841|nat|as|
vvi|miR-841|2mut|as|
vvi|miR-842|nat|as|
vvi|miR-842|2mut|as|
vvi|miR-843|nat|as|
vvi|miR-843|2mut|as|
vvi|miR-844|nat|as|
vvi|miR-844|2mut|as|
vvi|miR-845|nat|as|
vvi|miR-845|2mut|as|
vvi|miR-846|nat|as|
vvi|miR-846|2mut|as|
vvi|miR-847|nat|as|
vvi|miR-847|2mut|as|
vvi|miR-848|nat|as|
vvi|miR-848|2mut|as|
vvi|miR-849|nat|as|
vvi|miR-849|2mut|as|
vvi|miR-850|nat|as|
vvi|miR-850|2mut|as|
vvi|miR-851|nat|as|
vvi|miR-851|2mut|as|
vvi|miR-852|nat|as|
vvi|miR-852|2mut|as|
vvi|miR-853|nat|as|
vvi|miR-853|2mut|as|

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gaatcttaatgatcctgca
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ttggcagtatgccacctcc
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tgaagcgatcaagtgaactc
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tgaagtcgtaagggaactc
tgaagtggtaagggaactc
tgaagtcgtaagggaactc

vvi-miR172b|*_perfect match probe
vvi-miR172b|*_mismatch probe
vvi-miR172c|*_perfect match probe
vvi-miR172c|*_mismatch probe
vvi-miR172d|*_perfect match probe
vvi-miR172d|*_mismatch probe
vvi-miR319b|*_perfect match probe
vvi-miR319b|*_mismatch probe
vvi-miR319c|*_perfect match probe
vvi-miR319c|*_mismatch probe
vvi-miR319e|*_perfect match probe
vvi-miR319e|*_mismatch probe
vvi-miR319f|*_perfect match probe
vvi-miR319f|*_mismatch probe
vvi-miR319g|*_perfect match probe
vvi-miR319g|*_mismatch probe
vvi-miR390|*_perfect match probe
vvi-miR390|*_mismatch probe
vvi-miR393a|*_perfect match probe
vvi-miR393a|*_mismatch probe
vvi-miR393b|*_perfect match probe
vvi-miR393b|*_mismatch probe
vvi-miR394a|*_perfect match probe
vvi-miR394a|*_mismatch probe
vvi-miR394b|*_perfect match probe
vvi-miR394b|*_mismatch probe
vvi-miR394c|*_perfect match probe
vvi-miR394c|*_mismatch probe
vvi-miR395a|*_perfect match probe
vvi-miR395a|*_mismatch probe
vvi-miR395b|*_perfect match probe
vvi-miR395b|*_mismatch probe
vvi-miR395c|*_perfect match probe
vvi-miR395c|*_mismatch probe

vvi|miR-854|nat|as|
vvi|miR-854|2mut|as|
vvi|miR-855|nat|as|
vvi|miR-855|2mut|as|
vvi|miR-856|nat|as|
vvi|miR-856|2mut|as|
vvi|miR-857|nat|as|
vvi|miR-857|2mut|as|
vvi|miR-858|nat|as|
vvi|miR-858|2mut|as|
vvi|miR-859|nat|as|
vvi|miR-859|2mut|as|
vvi|miR-860|nat|as|
vvi|miR-860|2mut|as|
vvi|miR-861|nat|as|
vvi|miR-861|2mut|as|
vvi|miR-862|nat|as|
vvi|miR-862|2mut|as|
vvi|miR-863|nat|as|
vvi|miR-863|2mut|as|
vvi|miR-864|nat|as|
vvi|miR-864|2mut|as|
vvi|miR-865|nat|as|
vvi|miR-865|2mut|as|
vvi|miR-866|nat|as|
vvi|miR-866|2mut|as|
vvi|miR-867|nat|as|
vvi|miR-867|2mut|as|
vvi|miR-868|nat|as|
vvi|miR-868|2mut|as|
vvi|miR-869|nat|as|
vvi|miR-869|2mut|as|
vvi|miR-870|nat|as|
vvi|miR-870|2mut|as|

tgaagtggtcaggggaactc
tgaagtcgtcaggtgaactc
tgaagtggcgaaggggaactc
tgaagtcgtcaagtgaactc
tgaagtggtcaggggaactc
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tgaagtggcgaaggggaactc
tgaagtcgtcaagtgaactc
tgaagtggtcaggggaactc
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tgaagtggtcaggggaactc
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tgaagtcgtcaagtgaactc
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ttccacagtttcttaaactt
ttccacaacttctgagctg
ttcccaacttctgagctg
tcccacagcttattgaaccg
tcccacagtttattaaaccg
tgattgagtcgagcgccaatg
tgattgagtgagccccaatg
tgattgagtcgagcgccaatg
tgattgagtgagccccaatg

vvi-miR395d|*_perfect match probe
vvi-miR395d|*_mismatch probe
vvi-miR395e|*_perfect match probe
vvi-miR395e|*_mismatch probe
vvi-miR395f|*_perfect match probe
vvi-miR395f|*_mismatch probe
vvi-miR395g|*_perfect match probe
vvi-miR395g|*_mismatch probe
vvi-miR395h|*_perfect match probe
vvi-miR395h|*_mismatch probe
vvi-miR395i|*_perfect match probe
vvi-miR395i|*_mismatch probe
vvi-miR395j|*_perfect match probe
vvi-miR395j|*_mismatch probe
vvi-miR395k|*_perfect match probe
vvi-miR395k|*_mismatch probe
vvi-miR395l|*_perfect match probe
vvi-miR395l|*_mismatch probe
vvi-miR395m|*_perfect match probe
vvi-miR395m|*_mismatch probe
vvi-miR395n|*_perfect match probe
vvi-miR395n|*_mismatch probe
vvi-miR396a|*_perfect match probe
vvi-miR396a|*_mismatch probe
vvi-miR396b|*_perfect match probe
vvi-miR396b|*_mismatch probe
vvi-miR396c|*_perfect match probe
vvi-miR396c|*_mismatch probe
vvi-miR396d|*_perfect match probe
vvi-miR396d|*_mismatch probe
vvi-miR397a|*_perfect match probe
vvi-miR397a|*_mismatch probe
vvi-miR397b|*_perfect match probe
vvi-miR397b|*_mismatch probe

vvi|miR-871|nat|as|
vvi|miR-871|2mut|as|
vvi|miR-872|nat|as|
vvi|miR-872|2mut|as|
vvi|miR-873|nat|as|
vvi|miR-873|2mut|as|
vvi|miR-874|nat|as|
vvi|miR-874|2mut|as|
vvi|miR-875|nat|as|
vvi|miR-875|2mut|as|
vvi|miR-876|nat|as|
vvi|miR-876|2mut|as|
vvi|miR-877|nat|as|
vvi|miR-877|2mut|as|
vvi|miR-878|nat|as|
vvi|miR-878|2mut|as|
vvi|miR-879|nat|as|
vvi|miR-879|2mut|as|
vvi|miR-880|nat|as|
vvi|miR-880|2mut|as|
vvi|miR-881|nat|as|
vvi|miR-881|2mut|as|
vvi|miR-882|nat|as|
vvi|miR-882|2mut|as|
vvi|miR-883|nat|as|
vvi|miR-883|2mut|as|
vvi|miR-884|nat|as|
vvi|miR-884|2mut|as|
vvi|miR-885|nat|as|
vvi|miR-885|2mut|as|
vvi|miR-886|nat|as|
vvi|miR-886|2mut|as|
vvi|miR-887|nat|as|
vvi|miR-887|2mut|as|

gtgttctcaggtgccactcct
gtgttctcagctgcactcct
tgtgattctcaggtcacactg
tgtgattctccgctcacactg
tgtgattctcaggtcactcctg
tgtgattctccgctcactcctg
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tgccaaagaagattggtcctctaag
tgccaatggagtattgccc
tgccaatcgactattgccc
tgccaaaggaggattgactg
tgccaaagaaggattgaactg
gccagaaggagagaagcccta
gccagaagaagagaagtcccta
tttgattcacgcacaaact
tttgattcaaccacaaact
ttggattcgcgcacaaactcg
ttggattcgcacacaaactcg
tttgattcacgcacaaactg
tttgattcacacaaactg
gattcgcgcacaaactcg
gattcgcacacaaactcg
tttgattcacgcacaaactg
tttgattcacacaaactg

vvi-miR398a|*_perfect match probe
vvi-miR398a|*_mismatch probe
vvi-miR398b|*_perfect match probe
vvi-miR398b|*_mismatch probe
vvi-miR398c|*_perfect match probe
vvi-miR398c|*_mismatch probe
vvi-miR399a|*_perfect match probe
vvi-miR399a|*_mismatch probe
vvi-miR399b|*_perfect match probe
vvi-miR399b|*_mismatch probe
vvi-miR399c|*_perfect match probe
vvi-miR399c|*_mismatch probe
vvi-miR399d|*_perfect match probe
vvi-miR399d|*_mismatch probe
vvi-miR399e|*_perfect match probe
vvi-miR399e|*_mismatch probe
vvi-miR399f|*_perfect match probe
vvi-miR399f|*_mismatch probe
vvi-miR399g|*_perfect match probe
vvi-miR399g|*_mismatch probe
vvi-miR399h|*_perfect match probe
vvi-miR399h|*_mismatch probe
vvi-miR399i|*_perfect match probe
vvi-miR399i|*_mismatch probe
vvi-miR403a|*_perfect match probe
vvi-miR403a|*_mismatch probe
vvi-miR403b|*_perfect match probe
vvi-miR403b|*_mismatch probe
vvi-miR403c|*_perfect match probe
vvi-miR403c|*_mismatch probe
vvi-miR403d|*_perfect match probe
vvi-miR403d|*_mismatch probe
vvi-miR403e|*_perfect match probe
vvi-miR403e|*_mismatch probe

vvi|miR-888|nat|as|
vvi|miR-888|2mut|as|
vvi|miR-889|nat|as|
vvi|miR-889|2mut|as|
vvi|miR-890|nat|as|
vvi|miR-890|2mut|as|
vvi|miR-891|nat|as|
vvi|miR-891|2mut|as|
vvi|miR-892|nat|as|
vvi|miR-892|2mut|as|
vvi|miR-893|nat|as|
vvi|miR-893|2mut|as|
vvi|miR-894|nat|as|
vvi|miR-894|2mut|as|
vvi|miR-895|nat|as|
vvi|miR-895|2mut|as|
vvi|miR-896|nat|as|
vvi|miR-896|2mut|as|
vvi|miR-897|nat|as|
vvi|miR-897|2mut|as|
vvi|miR-898|nat|as|
vvi|miR-898|2mut|as|
vvi|miR-899|nat|as|
vvi|miR-899|2mut|as|
vvi|miR-900|nat|as|
vvi|miR-900|2mut|as|
vvi|miR-901|nat|as|
vvi|miR-901|2mut|as|
vvi|miR-902|nat|as|
vvi|miR-902|2mut|as|
vvi|miR-903|nat|as|
vvi|miR-903|2mut|as|
vvi|miR-904|nat|as|
vvi|miR-904|2mut|as|

ttagagtcacgcacaaaact
ttagagtcaaccacaaaact
atgcactacctctccccg
atgcactatctctccccg
aggccccactgtcttccaa
aggtcctcactctcttccaa
gtgatattggttcggctcgtc
gtgatattcgttcgctcgtc
cctactctcaattcc
cctattctcaattcc
tgacagcgagagagagcagcc
tgacagagagagagagaacgcc
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aactcataaagaaactaat
aaactcagacaaccaaaca
aaactcagaaaacaaaaca
tggccctagggataattaatg
tggccctagtgtctaattaatg
tggccctagggataattaatg
tggccctagtgtctaattaatg

vvi-miR403f|*_perfect match probe
vvi-miR403f|*_mismatch probe
vvi-miR408|*_perfect match probe
vvi-miR408|*_mismatch probe
vvi-miR477a|*_perfect match probe
vvi-miR477a|*_mismatch probe
vvi-miR479|*_perfect match probe
vvi-miR479|*_mismatch probe
vvi-miR482a|*_perfect match probe
vvi-miR482a|*_mismatch probe
vvi-miR535a|*_perfect match probe
vvi-miR535a|*_mismatch probe
vvi-miR535b|*_perfect match probe
vvi-miR535b|*_mismatch probe
vvi-miR535c|*_perfect match probe
vvi-miR535c|*_mismatch probe
vvi-miR535d|*_perfect match probe
vvi-miR535d|*_mismatch probe
vvi-miR535e|*_perfect match probe
vvi-miR535e|*_mismatch probe
vvi-miR828a|*_perfect match probe
vvi-miR828a|*_mismatch probe
vvi-miR828b|*_perfect match probe
vvi-miR828b|*_mismatch probe
vvi-miR845a|*_perfect match probe
vvi-miR845a|*_mismatch probe
vvi-miR845b|*_perfect match probe
vvi-miR845b|*_mismatch probe
vvi-miR845c|*_perfect match probe
vvi-miR845c|*_mismatch probe
vvi-miR845d|*_perfect match probe
vvi-miR845d|*_mismatch probe
vvi-miR845e|*_perfect match probe
vvi-miR845e|*_mismatch probe

vvi miR-905 nat as	aagaagagagagcacactcc	vvi-miR156a *-5_perfect match probe
vvi miR-905 2mut as	aagaagagcgagaacactcc	vvi-miR156a *-5_mismatch probe
vvi miR-906 nat as	gatgatgacagaagaagaga	vvi-miR156a *+5_perfect match probe
vvi miR-906 2mut as	gatgatgaaagaacaagaga	vvi-miR156a *+5_mismatch probe
vvi miR-907 nat as	aagagaaatgagcacgcaaa	vvi-miR156b *-5_perfect match probe
vvi miR-907 2mut as	aagagaaataagcacccaaa	vvi-miR156b *-5_mismatch probe
vvi miR-908 nat as	gaagctgacagaaagagaaa	vvi-miR156b *+5_perfect match probe
vvi miR-908 2mut as	gaagttgacagaaagcggaaa	vvi-miR156b *+5_mismatch probe
vvi miR-909 nat as	atagagagtgagcacgcaga	vvi-miR156c *-5_perfect match probe
vvi miR-909 2mut as	atagagagcgagcacccaga	vvi-miR156c *-5_mismatch probe
vvi miR-910 nat as	acagatgacagatagagagt	vvi-miR156c *+5_perfect match probe
vvi miR-910 2mut as	acagatgaaagatagcgagt	vvi-miR156c *+5_mismatch probe
vvi miR-911 nat as	aagagaggtgagcacgcacc	vvi-miR156d *-5_perfect match probe
vvi miR-911 2mut as	aagagagctgagcacccacc	vvi-miR156d *-5_mismatch probe
vvi miR-912 nat as	gaagctgacagaaagagagg	vvi-miR156d *+5_perfect match probe
vvi miR-912 2mut as	gaagttgacagaaagcgagg	vvi-miR156d *+5_mismatch probe
vvi miR-913 nat as	atagggagtaagcacacaga	vvi-miR156e *-5_perfect match probe
vvi miR-913 2mut as	atagtgagtaagaacacaga	vvi-miR156e *-5_mismatch probe
vvi miR-914 nat as	aggggtgacagatagggagt	vvi-miR156e *+5_perfect match probe
vvi miR-914 2mut as	agggctgacagatagtgagt	vvi-miR156e *+5_mismatch probe
vvi miR-915 nat as	gagaagagagaggacaagac	vvi-miR156f *-5_perfect match probe
vvi miR-915 2mut as	gagaagagcgagaacaagac	vvi-miR156f *-5_mismatch probe
vvi miR-916 nat as	ttctgttgacaggagaagag	vvi-miR156f *+5_perfect match probe

vvi miR-916 nat as	ttctgttgaaagaagaagag	vvi-miR156f *+5_mismatch probe
vvi miR-917 nat as	aagtctagagagcacaagg	vvi-miR156g *-5_perfect match
vvi miR-917 2mut as	aagtctagcgagaacaagg	probe
vvi miR-918 nat as	ggtgatgacagaagtctaga	vvi-miR156g *-5_mismatch probe
vvi miR-918 2mut as	ggtgatgaaagaagcctaga	vvi-miR156g *+5_perfect match
vvi miR-919 nat as	aggcgcagaaagaactcagc	probe
vvi miR-919 2mut as	aggcccagaaagaattcagc	vvi-miR156g *+5_mismatch probe
vvi miR-920 nat as	cacaatgaaaggcgcagaaa	vvi-miR156h *-5_perfect match
vvi miR-920 2mut as	cacaataaaaggcccagaaa	probe
vvi miR-921 nat as	aagaatagagagcacaagg	vvi-miR156h *-5_mismatch probe
vvi miR-921 2mut as	aagaatagcgagaacaagg	vvi-miR156h *+5_perfect match
vvi miR-922 nat as	ggtgatgacagaagaataga	probe
vvi miR-922 2mut as	ggtgatgaaagaacaataga	vvi-miR156i *+5_mismatch probe
vvi miR-923 nat as	cgtaaaggagctccataaa	vvi-miR156i *-5_perfect match probe
vvi miR-923 2mut as	cgtaaaggacctctcataaa	vvi-miR156i *-5_mismatch probe
vvi miR-924 nat as	cagaactggagcgtaaagga	vvi-miR156i *+5_perfect match
vvi miR-924 2mut as	cagaactcgagagtaaagga	probe
vvi miR-925 nat as	gtaaagaagctcccacaagc	vvi-miR159a *-5_mismatch probe
vvi miR-925 2mut as	gtaaagaagttctcacaagc	vvi-miR159a *+5_perfect match
vvi miR-926 nat as	cagttctggagtgtaaagaa	probe
vvi miR-926 2mut as	cagttctcgagcgtaaagaa	vvi-miR159a *+5_mismatch probe
vvi miR-927 nat as	cttcaaggagctccactcca	vvi-miR159b *-5_perfect match
vvi miR-927 2mut as	cttcaaggacttccactcca	probe
vvi miR-928 nat as	ctctattggacttcaaggag	vvi-miR159b *-5_mismatch probe
		vvi-miR159b *+5_perfect match
		probe
		vvi-miR159c *-5_mismatch probe
		vvi-miR159c *+5_perfect match

vvi miR-928 nat as	ctctattcgacttaaaggag	probe
vvi miR-928 2mut as		vvi-miR159c *+5_mismatch probe
vvi miR-929 nat as	actcctctgatgccaaactag	vvi-miR160a *-5_perfect match
vvi miR-929 2mut as	actcttctgatgtcaactag	probe
vvi miR-930 nat as	gggcctgcatgactcctctg	vvi-miR160a *-5_mismatch probe
vvi miR-930 2mut as	gggcctgaatgacttctctg	vvi-miR160a *+5_perfect match
vvi miR-931 nat as	actcccctcatgccaataag	probe
vvi miR-931 2mut as	actcctctcatgtcaaatag	vvi-miR160a *+5_mismatch probe
vvi miR-932 nat as	tcgcctgcttgactcccctc	vvi-miR160b *-5_perfect match
vvi miR-932 2mut as	tcgcctccttgactctcctc	probe
vvi miR-933 nat as	gctcctcgcacgccacccgc	vvi-miR160b *-5_mismatch probe
vvi miR-933 2mut as	gctcctcccacccacccgc	vvi-miR160b *+5_perfect match
vvi miR-934 nat as	gggtatgcttgctcctcgc	probe
vvi miR-934 2mut as	gggtatccttgctcctcgc	vvi-miR160b *+5_mismatch probe
vvi miR-935 nat as	gctcctcgcacgccatccgc	vvi-miR160c *-5_perfect match
vvi miR-935 2mut as	gctcctcccacccatccgc	probe
vvi miR-936 nat as	atgcatgcatggctcctcgc	vvi-miR160c *-5_mismatch probe
vvi miR-936 2mut as	atgcatgaatgctcctcgc	vvi-miR160c *+5_perfect match
vvi miR-937 nat as	actcccctcatgccaataag	probe
vvi miR-937 2mut as	actcctctcatgtcaaatag	vvi-miR160d *-5_mismatch probe
vvi miR-938 nat as	tcgcctgcttgactcccctc	vvi-miR160d *+5_perfect match
vvi miR-938 2mut as	tcgcctccttgactctcctc	probe
vvi miR-939 nat as	gctcctcatacgcacccac	vvi-miR160d *+5_mismatch probe
vvi miR-939 2mut as	gctcttcatacccacccac	vvi-miR160e *-5_perfect match
		probe
		vvi-miR160e *+5_mismatch probe
		vvi-miR160f *-5_perfect match probe
		vvi-miR160f *-5_mismatch probe

vvi miR-940 nat as	gcatatgcatggctcctcat	vvi-miR160f *+5_	perfect match
vvi miR-940 2mut as	gcatatgaatgcctcctcat	probe	
vvi miR-941 nat as	aaccgctgcatccagtgact	vvi-miR160f *+5_	mismatch probe
vvi miR-941 2mut as	aaccctgcatcaagtgact	vvi-miR162 *-5_	perfect match probe
vvi miR-942 nat as	agagatcgatgaaccgctgc	vvi-miR162 *-5_	mismatch probe
vvi miR-942 2mut as	agagatagatgaaccctgc	vvi-miR162 *+5_	perfect match probe
		vvi-miR162 *+5_	mismatch probe
vvi miR-943 nat as	aaggggagcacgtgcaagcc	vvi-miR164a *-5_	perfect match
vvi miR-943 2mut as	aaggtgagcacgtgaaagcc	probe	
		vvi-miR164a *-5_	mismatch probe
vvi miR-944 nat as	catgttgagaaggggagca	vvi-miR164a *+5_	perfect match
vvi miR-944 2mut as	catgttcgagaaggtgagca	probe	
		vvi-miR164a *+5_	mismatch probe
vvi miR-945 nat as	gagccagggcacatgtaaaa	vvi-miR164b *-5_	perfect match
vvi miR-945 2mut as	gagccaggccccatgtaaaa	probe	
		vvi-miR164b *-5_	mismatch probe
vvi miR-946 nat as	aagtgggagagccagggcac	vvi-miR164b *+5_	perfect match
vvi miR-946 2mut as	aagtgtgagagtcagggcac	probe	
		vvi-miR164b *+5_	mismatch probe
vvi miR-947 nat as	aggggagcacgtgcagagca	vvi-miR164d *-5_	perfect match
vvi miR-947 2mut as	aggggagaacgtgaagagca	probe	
		vvi-miR164d *-5_	mismatch probe
vvi miR-948 nat as	catgttgagaaggggagca	vvi-miR164d *+5_	perfect match
vvi miR-948 2mut as	catgttcgagaaggtgagca	probe	
		vvi-miR164d *+5_	mismatch probe
vvi miR-949 nat as	cagacaacattcccctcaaa	vvi-miR166c *-5_	perfect match
vvi miR-949 2mut as	cagacaaaattcctctcaaa	probe	
		vvi-miR166c *-5_	mismatch probe
vvi miR-950 nat as	tgtcctcgagccagacaaca	vvi-miR166c *+5_	perfect match
vvi miR-950 2mut as	tgtcctcgactcagacaaca	probe	
		vvi-miR166c *+5_	mismatch probe
vvi miR-951 nat as	agacaacaatcccctcaaag	vvi-miR166d *-5_	perfect match
vvi miR-951 2mut as	agacaaaaatcctctcaaag	probe	
		vvi-miR166d *-5_	mismatch probe

vvi miR-952 nat as	tggcctcgagccagacaaca	vvi-miR166d *+5_perfect match
vvi miR-952 2mut as	tggcctcgactcagacaaca	probe
		vvi-miR166d *+5_mismatch probe
vvi miR-953 nat as	cagacaacattcccctcaaa	vvi-miR166e *-5_perfect match
vvi miR-953 2mut as	cagacaaaattcctcctcaaa	probe
		vvi-miR166e *-5_mismatch probe
vvi miR-954 nat as	tgtcctcgagccagacaaca	vvi-miR166e *+5_perfect match
vvi miR-954 2mut as	tgtcctcgactcagacaaca	probe
vvi miR-955 nat as	cagccaacattccccacaac	vvi-miR166e *+5_mismatch probe
vvi miR-955 2mut as	cagcaaacattcctcacaac	vvi-miR166f *-5_perfect match
		probe
vvi miR-956 nat as	aagcctcgagccagccaaca	vvi-miR166f *-5_mismatch probe
vvi miR-956 2mut as	aagcctcgaccagtcaaca	vvi-miR166g *-5_perfect match
		probe
vvi miR-957 nat as	agacaacattcccctcaact	vvi-miR166g *-5_mismatch probe
vvi miR-957 2mut as	agacaaaattcctcctcaact	vvi-miR166g *+5_perfect match
		probe
vvi miR-958 nat as	ggatctcgaaccagacaaca	vvi-miR166g *+5_mismatch probe
vvi miR-958 2mut as	ggatctagaacaagacaaca	vvi-miR166h *-5_perfect match
		probe
vvi miR-959 nat as	cagacagcgttcccctcaac	vvi-miR166h *-5_mismatch probe
vvi miR-959 2mut as	cagacagagttcctcctcaac	vvi-miR166h *+5_perfect match
		probe
vvi miR-960 nat as	tggctcgaaccagacagcg	vvi-miR166h *+5_mismatch probe
vvi miR-960 2mut as	tggcttagaacaagacagcg	vvi-miR166a *-5_perfect match
		probe
vvi miR-961 nat as	caaacctcattcaaacacc	vvi-miR166a *-5_mismatch probe
vvi miR-961 2mut as	caaatctcattcaaacacc	vvi-miR166a *+5_perfect match
		probe
vvi miR-962 nat as	ggatcttggatcaaacctca	vvi-miR166a *+5_mismatch probe
vvi miR-962 2mut as	ggatcttcgatcaaatctca	vvi-miR166b *-5_perfect match
		probe
vvi miR-963 nat as	cagccaacattcccctcaaa	

vvi miR-963 nat as	cagcaaaccattcctctcaaa	vvi-miR166b *-5_mismatch probe
vvi miR-964 nat as	atgcctcgagccagccaaca	vvi-miR166b *+5_perfect match
vvi miR-964 2mut as	atgcctcgagccagtcaca	probe
vvi miR-965 nat as	ctgcaagatgacctgatcat	vvi-miR166b *+5_mismatch probe
vvi miR-965 2mut as	ctgcaagataatctgatcat	vvi-miR167a *-5_perfect match
vvi miR-966 nat as	gtgattgaagctgcaagatg	probe
vvi miR-966 2mut as	gtgattgaacctgaaagatg	vvi-miR167a *-5_mismatch probe
vvi miR-967 nat as	ctgccacatgatctagtctt	vvi-miR167a *+5_perfect match
vvi miR-967 2mut as	ctgcaacatgatctactctt	probe
vvi miR-968 nat as	acaggtgaaactgccacatg	vvi-miR167b *-5_mismatch probe
vvi miR-968 2mut as	acagctgaaactgtcacatg	vvi-miR167b *+5_perfect match
vvi miR-969 nat as	gctaccacatgatctgatct	probe
vvi miR-969 2mut as	gctacaacatgatccgatct	vvi-miR167b *+5_mismatch probe
vvi miR-970 nat as	acaggtgaggtaccacatg	vvi-miR167c *-5_perfect match
vvi miR-970 2mut as	acaggtgagcttaccacatg	probe
vvi miR-971 nat as	tcagggcatgacctagctag	vvi-miR167c *-5_mismatch probe
vvi miR-971 2mut as	tcaggccatgacctacctag	vvi-miR167c *+5_perfect match
vvi miR-972 nat as	aggagtgaggctgtcagggc	probe
vvi miR-972 2mut as	aggagtgagctgtcagggc	vvi-miR167c *+5_mismatch probe
vvi miR-973 nat as	actgccacatgatctgatct	vvi-miR167e *-5_perfect match
vvi miR-973 2mut as	actgtcacatgatccgatct	probe
vvi miR-974 nat as	acaggtgaaactgccacatg	vvi-miR167e *-5_mismatch probe
vvi miR-974 2mut as	acagctgaaactgtcacatg	vvi-miR167e *+5_perfect match
		probe
		vvi-miR167e *+5_mismatch probe

vvi miR-975 nat as	tgatgcaaggcgggatcgga	vvi-miR168 *-5_perfect match probe
vvi miR-975 2mut as	tgatgcaagcaggggatcgga	vvi-miR168 *-5_mismatch probe
vvi miR-976 nat as	ccgattcagttgatgcaagg	vvi-miR168 *+5_perfect match probe
vvi miR-976 2mut as	ccgattccgttgatgaaagg	vvi-miR168 *+5_mismatch probe
vvi miR-977 nat as	aggacaactgccagggttc	vvi-miR169a *-5_perfect match probe
vvi miR-977 2mut as	aggaaaactgtcagggttc	vvi-miR169a *-5_mismatch probe
vvi miR-978 nat as	aatgtagccaaggacaact	vvi-miR169a *+5_perfect match probe
vvi miR-978 2mut as	aatgtagtcaagaacaact	vvi-miR169a *+5_mismatch probe
vvi miR-979 nat as	ccaaggagacttgccataaa	vvi-miR169y *-5_perfect match probe
vvi miR-979 2mut as	ccaagaagacttgccataaa	vvi-miR169y *-5_mismatch probe
vvi miR-980 nat as	tcaggtgccaggagacttg	vvi-miR169y *+5_perfect match probe
vvi miR-980 2mut as	tcaggtgtcaagaagacttg	vvi-miR169y *+5_mismatch probe
vvi miR-981 nat as	aaggatgactaaccgtgcac	vvi-miR169b *-5_perfect match probe
vvi miR-981 2mut as	aaggatgcctaacagtgcac	vvi-miR169b *-5_mismatch probe
vvi miR-982 nat as	caaatgagccaaggatgact	vvi-miR169b *+5_perfect match probe
vvi miR-982 2mut as	caaatgagtcaagaatgact	vvi-miR169b *+5_mismatch probe
vvi miR-983 nat as	aggacaactgccggattaa	vvi-miR169c *-5_perfect match probe
vvi miR-983 2mut as	aggaaaactgtcggattaa	vvi-miR169c *-5_mismatch probe
vvi miR-984 nat as	aatgtagccaaggacaact	vvi-miR169c *+5_perfect match probe
vvi miR-984 2mut as	aatgtagtcaagaacaact	vvi-miR169c *+5_mismatch probe
vvi miR-985 nat as	aggacaactgccagggttc	vvi-miR169d *-5_perfect match probe
vvi miR-985 2mut as	aggaaaactgtcagggttc	vvi-miR169d *-5_mismatch probe
vvi miR-986 nat as	aatgtagccaaggacaact	vvi-miR169d *+5_perfect match probe
vvi miR-986 2mut as	aatgtagtcaagaacaact	vvi-miR169d *+5_mismatch probe

vvi miR-987 nat as	caaggtgactgcctggaacc	vvi-miR169e *-5_perfect match
vvi miR-987 2mut as	caagctgactgtctggaacc	probe
		vvi-miR169e *-5_mismatch probe
		vvi-miR169e *+5_perfect match
		probe
vvi miR-988 nat as	taaaattagccaaggtgact	vvi-miR169e *+5_mismatch probe
vvi miR-988 2mut as	taaaattagtaaaggtgact	vvi-miR169f *-5_perfect match probe
vvi miR-989 nat as	caaacacaactgcccatta	vvi-miR169f *-5_mismatch probe
vvi miR-989 2mut as	caaacccaactgtccatta	vvi-miR169f *+5_perfect match
		probe
vvi miR-990 nat as	catgtagccaaacacaact	vvi-miR169f *+5_mismatch probe
vvi miR-990 2mut as	catgtagtcaaaccaact	vvi-miR169g *-5_perfect match
		probe
vvi miR-991 nat as	caaagacaactgcccggctt	vvi-miR169g *-5_mismatch probe
vvi miR-991 2mut as	caaagaaaactgtcggctt	vvi-miR169g *+5_perfect match
		probe
vvi miR-992 nat as	catgtagccaaagacaact	vvi-miR169g *+5_mismatch probe
vvi miR-992 2mut as	catgtagtcaaagaaaact	vvi-miR169h *-5_perfect match
		probe
vvi miR-993 nat as	aaggataaccctccgtgcgt	vvi-miR169h *-5_mismatch probe
vvi miR-993 2mut as	aaggataactctcagtgctg	vvi-miR169h *+5_perfect match
		probe
vvi miR-994 nat as	taaaggagtcaaggataacc	vvi-miR169h *+5_mismatch probe
vvi miR-994 2mut as	taaagaagtcaagaataacc	vvi-miR169i *-5_perfect match probe
vvi miR-995 nat as	gggataaccagccgtgcatg	vvi-miR169i *-5_mismatch probe
vvi miR-995 2mut as	gggataacaagtcgtgcatg	vvi-miR169i *+5_perfect match
		probe
vvi miR-996 nat as	taaaggagacaggataacc	vvi-miR169i *+5_mismatch probe
vvi miR-996 2mut as	taaagaagacagtgataacc	vvi-miR169j *-5_perfect match probe
vvi miR-997 nat as	aggacaacctgccagggaca	vvi-miR169j *-5_mismatch probe
vvi miR-997 2mut as	aggacaatctgtcagggaca	vvi-miR169j *+5_perfect match
		probe
vvi miR-998 nat as	aaggtagccaaggacaacct	vvi-miR169j *+5_mismatch probe
vvi miR-998 2mut as	aaggtagtcaagaacaacct	vvi-miR169k *-5_perfect match
vvi miR-999 nat as	aggacaacctgccagggaca	

vvi miR-999 nat as	aggacaatctgtcagggaca	probe vvi-miR169k *-5_mismatch probe vvi-miR169k *+5_perfect match
vvi miR-1000 nat as	aaggtagccaaggacaacct	probe
vvi miR-1000 2mut as	aaggtagtcagaacaacct	vvi-miR169k *+5_mismatch probe
vvi miR-1001 nat as	agaataactagccgtgcatg	vvi-miR169l *-5_perfect match probe
vvi miR-1001 2mut as	agaataattagtcgtgcatg	vvi-miR169l *-5_mismatch probe vvi-miR169l *+5_perfect match
vvi miR-1002 nat as	caaatgagccaagaataact	probe
vvi miR-1002 2mut as	caaatgagtcaacaataact	vvi-miR169l *+5_mismatch probe vvi-miR169m *-5_perfect match
vvi miR-1003 nat as	tcggatgcttgccagttatg	probe
vvi miR-1003 2mut as	tcggatccttgctcagttatg	vvi-miR169m *-5_mismatch probe vvi-miR169m *+5_perfect match
vvi miR-1004 nat as	aaacagagcctcggatgctt	probe
vvi miR-1004 2mut as	aaacagagtctcagatgctt	vvi-miR169m *+5_mismatch probe vvi-miR169n *-5_perfect match
vvi miR-1005 nat as	tgcttgccagttatgaccag	probe
vvi miR-1005 2mut as	tgcttgctcagttatgccag	vvi-miR169n *-5_mismatch probe vvi-miR169n *+5_perfect match
vvi miR-1006 nat as	aaatagagcctcagatgctt	probe
vvi miR-1006 2mut as	aaatagagtctccgatgctt	vvi-miR169n *+5_mismatch probe vvi-miR169o *-5_perfect match
vvi miR-1007 nat as	gaataactcgtgtccatgc	probe
vvi miR-1007 2mut as	gaataactccttgccatgc	vvi-miR169o *-5_mismatch probe vvi-miR169o *+5_perfect match
vvi miR-1008 nat as	cgcattgagccaagaataact	probe
vvi miR-1008 2mut as	cgcattgagtcaacaataact	vvi-miR169o *+5_mismatch probe vvi-miR169p *-5_perfect match
vvi miR-1009 nat as	tcggatgcttgccagttata	probe
vvi miR-1009 2mut as	tcggatccttgctcagttata	vvi-miR169p *-5_mismatch probe vvi-miR169p *+5_perfect match
vvi miR-1010 nat as	aaacagagcctcggatgctt	probe
vvi miR-1010 2mut as	aaacagagtctcagatgctt	vvi-miR169p *+5_mismatch probe

vvi miR-1011 nat as	aggattacatgccggctgtt	vvi-miR169q *-5_perfect match
vvi miR-1011 2mut as	aggattaaatgccgctgtt	probe
		vvi-miR169q *-5_mismatch probe
		vvi-miR169q *+5_perfect match
		probe
vvi miR-1012 nat as	aaatagagccaggattacat	vvi-miR169q *+5_mismatch probe
vvi miR-1012 2mut as	aaatagagtcaagaattacat	vvi-miR169r *-5_perfect match probe
vvi miR-1013 nat as	caagtcaacttgccggttac	vvi-miR169r *-5_mismatch probe
vvi miR-1013 2mut as	caagccaactgtcggttac	vvi-miR169r *+5_perfect match
		probe
vvi miR-1014 nat as	caaactgagtcaagtcaact	vvi-miR169r *+5_mismatch probe
vvi miR-1014 2mut as	caaactgagccaagccaact	vvi-miR169s *-5_perfect match probe
vvi miR-1015 nat as	ggaacaacttgccgggaaga	vvi-miR169s *-5_mismatch probe
vvi miR-1015 2mut as	ggaaaaactgtcgggaaga	vvi-miR169s *+5_perfect match
		probe
vvi miR-1016 nat as	aatgtagccaggaacaactt	vvi-miR169s *+5_mismatch probe
vvi miR-1016 2mut as	aatgtagtcagaaacaactt	vvi-miR169t *-5_perfect match probe
vvi miR-1017 nat as	caagtcaacttgccggttac	vvi-miR169t *-5_mismatch probe
vvi miR-1017 2mut as	caagccaactgtcggttac	vvi-miR169t *+5_perfect match
		probe
vvi miR-1018 nat as	aaactgagtcaagtcaactt	vvi-miR169t *+5_mismatch probe
vvi miR-1018 2mut as	aaactgagccaagccaactt	vvi-miR169u *-5_perfect match
		probe
vvi miR-1019 nat as	caagtcaacttgccggtaac	vvi-miR169u *-5_mismatch probe
vvi miR-1019 2mut as	caagccaactgtcggtaac	vvi-miR169u *+5_perfect match
		probe
vvi miR-1020 nat as	aaacagagtcaagtcaactt	vvi-miR169u *+5_mismatch probe
vvi miR-1020 2mut as	aaacagagccaagccaactt	vvi-miR169v *-5_perfect match
		probe
vvi miR-1021 nat as	gaaataaattgccgatccat	vvi-miR169v *-5_mismatch probe
vvi miR-1021 2mut as	gaaataaatcgatccat	vvi-miR169v *+5_perfect match
		probe
vvi miR-1022 nat as	aacatagccaagaaataaat	vvi-miR169v *+5_mismatch probe
vvi miR-1022 2mut as	aacatagtcacaataaat	vvi-miR169w *-5_perfect match
vvi miR-1023 nat as	agaatgactcgccgaccacc	

vvi miR-1023 nat as	agaatgactacccgaccacc	probe vvi-miR169w *-5_mismatch probe vvi-miR169w *+5_perfect match
vvi miR-1024 nat as	aatgtagctaagaatgactc	probe
vvi miR-1024 2mut as	aatgtagttaagaataactc	vvi-miR169w *+5_mismatch probe vvi-miR169x *-5_perfect match
vvi miR-1025 nat as	aggaatgactgcctaaagac	probe
vvi miR-1025 2mut as	aggaatgcctgtctaaagac	vvi-miR169x *-5_mismatch probe vvi-miR169x *+5_perfect match
vvi miR-1026 nat as	cagtttagccgaaggaatga	probe
vvi miR-1026 2mut as	cagtttagtcaaaggaatga	vvi-miR169x *+5_mismatch probe vvi-miR171a *-5_perfect match
vvi miR-1027 nat as	cgtgccaatatcatgttcaa	probe
vvi miR-1027 2mut as	cgtgtcaatatcatcttcaa	vvi-miR171a *-5_mismatch probe vvi-miR171a *+5_perfect match
vvi miR-1028 nat as	tctgattgagccgtgccaat	probe
vvi miR-1028 2mut as	tctgattgaccgtgtccaat	vvi-miR171a *+5_mismatch probe vvi-miR171b *-5_perfect match
vvi miR-1029 nat as	aggcacgccaataacctcccc	probe
vvi miR-1029 2mut as	aggcaccccaatatctcccc	vvi-miR171b *-5_mismatch probe vvi-miR171b *+5_perfect match
vvi miR-1030 nat as	ctttaaattgaggcacgcca	probe
vvi miR-1030 2mut as	ctttaaattaagccacgcca	vvi-miR171b *+5_mismatch probe vvi-miR171c *-5_perfect match
vvi miR-1031 nat as	cgcaccaatatcccgaata	probe
vvi miR-1031 2mut as	cgcacaaatatccagtaata	vvi-miR171c *-5_mismatch probe vvi-miR171c *+5_perfect match
vvi miR-1032 nat as	tcttattgaaccgaccaat	probe
vvi miR-1032 2mut as	tcttattaaacccaccaat	vvi-miR171c *+5_mismatch probe vvi-miR171d *-5_perfect match
vvi miR-1033 nat as	cgtatcaatatctcgtgtat	probe
vvi miR-1033 2mut as	cgtataaatatctcctgtat	vvi-miR171d *-5_mismatch probe vvi-miR171d *+5_perfect match
vvi miR-1034 nat as	tctaattgaaccgtatcaat	probe

vvi miR-1034 2mut as	tctaattaaacagtatcaat	vvi-miR171d *+5_mismatch probe
vvi miR-1035 nat as	aacctcaccaacatcgctta	vvi-miR171e *-5_perfect match probe
vvi miR-1035 2mut as	aacctcacaacatccctta	vvi-miR171e *-5_mismatch probe
vvi miR-1036 nat as	cttcgattgaacctcacca	vvi-miR171e *+5_perfect match probe
vvi miR-1036 2mut as	cttcagattgaatctcacca	vvi-miR171e *+5_mismatch probe
vvi miR-1037 nat as	ctcaccaacatcgctttctt	vvi-miR171f *-5_perfect match probe
vvi miR-1037 2mut as	ctcacaaacatccctttctt	vvi-miR171f *-5_mismatch probe
vvi miR-1038 nat as	tcagattgaacctcaccaac	vvi-miR171f *+5_perfect match probe
vvi miR-1038 2mut as	tcagattaaacctcatcaac	vvi-miR171f *+5_mismatch probe
vvi miR-1039 nat as	cgatggaaccaacatggaga	vvi-miR171g *-5_perfect match probe
vvi miR-1039 2mut as	cgatggaacaaacatcgaga	vvi-miR171g *-5_mismatch probe
vvi miR-1040 nat as	ccccaccgatggaaccaaca	vvi-miR171g *+5_perfect match probe
vvi miR-1040 2mut as	ccccacagatggaacaaaca	vvi-miR171g *+5_mismatch probe
vvi miR-1041 nat as	aaccgcaccaacatctcgtg	vvi-miR171h *-5_perfect match probe
vvi miR-1041 2mut as	aacccacaaaatctcgtg	vvi-miR171h *-5_mismatch probe
vvi miR-1042 nat as	agttaggttgaaccgcacca	vvi-miR171h *+5_perfect match probe
vvi miR-1042 2mut as	agttagcttgaaccccacca	vvi-miR171h *+5_mismatch probe
vvi miR-1043 nat as	cattccaacatccccacctt	vvi-miR171i *-5_perfect match probe
vvi miR-1043 2mut as	cattcaaacatcctcacctt	vvi-miR171i *-5_mismatch probe
vvi miR-1044 nat as	tttgattgagccattccaac	vvi-miR171i *+5_perfect match probe
vvi miR-1044 2mut as	tttgattgactcattccaac	vvi-miR171i *+5_mismatch probe
vvi miR-1045 nat as	ttgatgatgctgcatcgcca	vvi-miR172a *-5_perfect match probe
vvi miR-1045 2mut as	ttgatgatcctgaatcgcca	vvi-miR172a *-5_mismatch probe
vvi miR-1046 nat as	gatgagaatcttgatgatgc	vvi-miR172a *+5_perfect match probe

vvi miR-1046 2mut as	gatgcgaatcttgataatgc	vvi-miR172a *+5_mismatch probe
vvi miR-1047 nat as	cttgatgatgctgcatcggc	vvi-miR172b *-5_perfect match
vvi miR-1047 2mut as	cttgatgatcctgaatcggc	probe
vvi miR-1048 nat as	gttgagaatcttgatgatgc	vvi-miR172b *-5_mismatch probe
vvi miR-1048 2mut as	gttgcgaaatcttgataatgc	vvi-miR172b *+5_perfect match
vvi miR-1049 nat as	cttgatgatgctccatccgc	probe
vvi miR-1049 2mut as	cttgatgatctccatccgc	vvi-miR172b *+5_mismatch probe
vvi miR-1050 nat as	cttgatgatgctccatccgc	vvi-miR172c *-5_perfect match
vvi miR-1050 2mut as	cttgatgatgctccatccgc	probe
vvi miR-1051 nat as	cttgatgatgctccatccgc	vvi-miR172c *-5_mismatch probe
vvi miR-1051 2mut as	cttgatgatgctccatccgc	vvi-miR172c *+5_perfect match
vvi miR-1052 nat as	cttgatgatgctccatccgc	probe
vvi miR-1052 2mut as	cttgatgatgctccatccgc	vvi-miR172c *+5_mismatch probe
vvi miR-1053 nat as	cttgatgatgctccatccgc	vvi-miR172d *-5_perfect match
vvi miR-1053 2mut as	cttgatgatgctccatccgc	probe
vvi miR-1054 nat as	cttgatgatgctccatccgc	vvi-miR172d *-5_mismatch probe
vvi miR-1054 2mut as	cttgatgatgctccatccgc	vvi-miR172d *+5_perfect match
vvi miR-1055 nat as	cttgatgatgctccatccgc	probe
vvi miR-1055 2mut as	cttgatgatgctccatccgc	vvi-miR172d *+5_mismatch probe
vvi miR-1056 nat as	cttgatgatgctccatccgc	vvi-miR172d *+5_perfect match
vvi miR-1056 2mut as	cttgatgatgctccatccgc	probe
vvi miR-1057 nat as	cttgatgatgctccatccgc	vvi-miR319b *-5_perfect match
vvi miR-1057 2mut as	cttgatgatgctccatccgc	probe
		vvi-miR319b *-5_mismatch probe
		vvi-miR319b *+5_perfect match
		probe
		vvi-miR319b *+5_mismatch probe
		vvi-miR319c *-5_perfect match
		probe
		vvi-miR319c *-5_mismatch probe
		vvi-miR319c *+5_perfect match
		probe
		vvi-miR319c *+5_mismatch probe
		vvi-miR319e *-5_perfect match
		probe
		vvi-miR319e *-5_mismatch probe

vvi miR-1058 nat as	gttgtttgggctgcaaagg	vvi-miR319e *+5_perfect match probe
vvi miR-1058 2mut as	gttgtttgcctgcaaagg	vvi-miR319e *+5_mismatch probe
vvi miR-1059 nat as	ctgaaggaagctctcttaaa	vvi-miR319f *-5_perfect match probe
vvi miR-1059 2mut as	ctgaaggaacttctcttaaa	vvi-miR319f *-5_mismatch probe
vvi miR-1060 nat as	atgagtggactgaaggaagc	vvi-miR319f *+5_perfect match probe
vvi miR-1060 2mut as	atgagtcgactgaagaaagc	vvi-miR319f *+5_mismatch probe
vvi miR-1061 nat as	gactaaaaggagctcttcag	vvi-miR319g *-5_perfect match probe
vvi miR-1061 2mut as	gactaaaagaagttcttcag	vvi-miR319g *-5_mismatch probe
vvi miR-1062 nat as	tctttattggactaaaagga	vvi-miR319g *+5_perfect match probe
vvi miR-1062 2mut as	tctttattgcctaaaagga	vvi-miR319g *+5_mismatch probe
vvi miR-1063 nat as	aggatagatagcgccacaca	vvi-miR390 *-5_perfect match probe
vvi miR-1063 2mut as	aggatacatagccccacaca	vvi-miR390 *-5_mismatch probe
vvi miR-1064 nat as	ccgtgaaactcaggatagat	vvi-miR390 *+5_perfect match probe
vvi miR-1064 2mut as	ccgtaaaactcagaatagat	vvi-miR390 *+5_mismatch probe
vvi miR-1065 nat as	gggatagcatgatccaatgg	vvi-miR393a *-5_perfect match probe
vvi miR-1065 2mut as	gggatagaatgatcaaatgg	vvi-miR393a *-5_mismatch probe
vvi miR-1066 nat as	agagttcctaagggatagca	vvi-miR393a *+5_perfect match probe
vvi miR-1066 2mut as	agagtttctaagtgatagca	vvi-miR393a *+5_mismatch probe
vvi miR-1067 nat as	gggatagcatgatccaaaga	vvi-miR393b *-5_perfect match probe
vvi miR-1067 2mut as	gggatagaatgatccaaaga	vvi-miR393b *-5_mismatch probe
vvi miR-1068 nat as	aggaatccaaagggatagca	vvi-miR393b *+5_perfect match probe
vvi miR-1068 2mut as	aggaatcaaaagtgatagca	vvi-miR393b *+5_mismatch probe
vvi miR-1069 nat as	atgctggccacctcaaaaag	vvi-miR394a *-5_perfect match probe
vvi miR-1069 2mut as	atgctggtcacctcaaaaag	vvi-miR394a *-5_mismatch probe
vvi miR-1070 nat as	ccactttggcatgctggcca	vvi-miR394a *+5_perfect match probe

vvi miR-1070 nat as	ccactttgccatcctggcca	probe
vvi miR-1070 2mut as		vvi-miR394a *+5_mismatch probe
vvi miR-1071 nat as	agtatgccacctccacaga	vvi-miR394b *-5_perfect match
vvi miR-1071 2mut as	agtatgtccacctcaacaga	probe
vvi miR-1072 nat as	cttggttgccagtatgcca	vvi-miR394b *-5_mismatch probe
vvi miR-1072 2mut as	cttggttgccagtatgcca	vvi-miR394b *+5_perfect match
vvi miR-1073 nat as	atcctggccgcctccaaacg	probe
vvi miR-1073 2mut as	atcctggccctctccaaacg	vvi-miR394c *-5_mismatch probe
vvi miR-1074 nat as	ccaatttgccatcctggccg	vvi-miR394c *+5_perfect match
vvi miR-1074 2mut as	ccaatttgccatcctggccg	probe
vvi miR-1075 nat as	tgatcaagggaactctaggg	vvi-miR394c *+5_mismatch probe
vvi miR-1075 2mut as	tgatcaagtgaattctaggg	vvi-miR395a *-5_perfect match
vvi miR-1076 nat as	cctagtgaagtgatcaaggg	probe
vvi miR-1076 2mut as	cctagcgaagcgaatcaaggg	vvi-miR395a *-5_mismatch probe
vvi miR-1077 nat as	tggttaaggggaactctaggg	vvi-miR395a *+5_perfect match
vvi miR-1077 2mut as	tggttaaggtgaattctaggg	probe
vvi miR-1078 nat as	cccagtgaagtggtaagggg	vvi-miR395b *-5_mismatch probe
vvi miR-1078 2mut as	cccagcgaagtcgtaagggg	vvi-miR395b *+5_perfect match
vvi miR-1079 nat as	tggtcaagggaactctaggg	probe
vvi miR-1079 2mut as	tggtcaagtgaattctaggg	vvi-miR395b *+5_mismatch probe
vvi miR-1080 nat as	cccagtgaagtggtaagggg	vvi-miR395c *-5_perfect match
vvi miR-1080 2mut as	cccagcgaagtcgtaagggg	probe
vvi miR-1081 nat as	tggtcaggggaactctaggg	vvi-miR395c *-5_mismatch probe
		vvi-miR395c *+5_perfect match
		probe
		vvi-miR395d *-5_perfect match
		probe

vvi miR-1081 2mut as	tggtcaggtgaattctaggg	vvi-miR395d *-5_mismatch probe vvi-miR395d *+5_perfect match probe
vvi miR-1082 nat as vvi miR-1082 2mut as	cccaatgaagtggcagggg cccaataaagtcgtcagggg	vvi-miR395d *+5_mismatch probe vvi-miR395e *-5_perfect match probe
vvi miR-1083 nat as vvi miR-1083 2mut as	tggtcaagggaactctaggg tggtcaagtgaattctaggg	vvi-miR395e *-5_mismatch probe vvi-miR395e *+5_perfect match probe
vvi miR-1084 nat as vvi miR-1084 2mut as vvi miR-1085 nat as vvi miR-1085 2mut as	cccagtgaagtggcagggg cccagcgaagtcgtcagggg tggtcaggggaactctaggg tggtcaggtgaattctaggg	vvi-miR395e *+5_mismatch probe vvi-miR395f *-5_perfect match probe vvi-miR395f *-5_mismatch probe vvi-miR395f *+5_perfect match probe
vvi miR-1086 nat as vvi miR-1086 2mut as	cccagtgaagtggcagggg cccagcgaagtcgtcagggg	vvi-miR395f *+5_mismatch probe vvi-miR395g *-5_perfect match probe
vvi miR-1087 nat as vvi miR-1087 2mut as	tgctcaggggaactctaggg tgctcaggtgaattctaggg	vvi-miR395g *-5_mismatch probe vvi-miR395g *+5_perfect match probe
vvi miR-1088 nat as vvi miR-1088 2mut as	cccaatgaagtgtcagggg cccaataaagtcctcagggg	vvi-miR395g *+5_mismatch probe vvi-miR395h *-5_perfect match probe
vvi miR-1089 nat as vvi miR-1089 2mut as	tggtcaagggaactctaggg tggtcaagtgaattctaggg	vvi-miR395h *-5_mismatch probe vvi-miR395h *+5_perfect match probe
vvi miR-1090 nat as vvi miR-1090 2mut as vvi miR-1091 nat as vvi miR-1091 2mut as	cccagtgaagtggcagggg cccagcgaagtcgtcagggg tggtcaggggaactctaggg tggtcaggtgaattctaggg	vvi-miR395h *+5_mismatch probe vvi-miR395i *-5_perfect match probe vvi-miR395i *-5_mismatch probe vvi-miR395i *+5_perfect match probe
vvi miR-1092 nat as vvi miR-1092 2mut as vvi miR-1093 nat as vvi miR-1093 2mut as	cccagtgaagtggcagggg cccagcgaagtcgtcagggg tggtcaggggaactctaggg tggtcaggtgaattctaggg	vvi-miR395i *+5_mismatch probe vvi-miR395j *-5_perfect match probe vvi-miR395j *-5_mismatch probe

vvi miR-1094 nat as	cccagtgaagtggtcagggg	vvi-miR395j *+5_	perfect match
vvi miR-1094 2mut as	cccagcgaagtcgtcagggg	probe	
		vvi-miR395j *+5_	mismatch probe
vvi miR-1095 nat as	tggcaagggaaactctaggg	vvi-miR395k *-5_	perfect match
vvi miR-1095 2mut as	tggcaagtgaattctaggg	probe	
		vvi-miR395k *-5_	mismatch probe
vvi miR-1096 nat as	cccagtgaagtggcaaggg	vvi-miR395k *+5_	perfect match
vvi miR-1096 2mut as	cccagcgaagtcgtcaaggg	probe	
vvi miR-1097 nat as	tggtcaggggaactctaggg	vvi-miR395k *+5_	mismatch probe
vvi miR-1097 2mut as	tggtcaggtgaattctaggg	vvi-miR395l *-5_	perfect match
		probe	
vvi miR-1098 nat as	cccagtgaagtggtcagggg	vvi-miR395l *-5_	mismatch probe
vvi miR-1098 2mut as	cccagcgaagtcgtcagggg	vvi-miR395m *-5_	perfect match
		probe	
vvi miR-1099 nat as	tgttcaagggaaactctaggg	vvi-miR395m *-5_	mismatch probe
vvi miR-1099 2mut as	tgttcaagtgaattctaggg	vvi-miR395m *+5_	perfect match
		probe	
vvi miR-1100 nat as	cccagtgaagtgttcaaggg	vvi-miR395m *+5_	mismatch probe
vvi miR-1100 2mut as	cccagcgaagcgttcaaggg	vvi-miR395n *-5_	perfect match
		probe	
vvi miR-1101 nat as	ggggtgggggaactctcaag	vvi-miR395n *-5_	mismatch probe
vvi miR-1101 2mut as	ggggtgggtgaattctcaag	vvi-miR395n *+5_	perfect match
		probe	
vvi miR-1102 nat as	tcatactggaggggttgggg	vvi-miR395n *+5_	mismatch probe
vvi miR-1102 2mut as	tcatactgaggtgttgggg	vvi-miR396a *-5_	perfect match
		probe	
vvi miR-1103 nat as	cagctttctgaactacttt	vvi-miR396a *-5_	mismatch probe
vvi miR-1103 2mut as	cagctttttaactacttt	vvi-miR396a *+5_	perfect match
		probe	
vvi miR-1104 nat as	ctttccacagctttcttga	vvi-miR396a *+5_	mismatch probe
vvi miR-1104 2mut as	ctttcaacagttttcttga	vvi-miR396b *-5_	perfect match
		probe	
vvi miR-1105 nat as	agctttcttgaacttcttct		

vvi miR-1105 nat as	agctttcttaaattcttct	vvi-miR396b *-5_mismatch probe
vvi miR-1106 nat as	atgctttccacagctttct	vvi-miR396b *+5_perfect match
vvi miR-1106 2mut as	atgctttcaacagtttct	probe
vvi miR-1107 nat as	aactttcctgagctgttggt	vvi-miR396b *+5_mismatch probe
vvi miR-1107 2mut as	aacttttctgagttgttggt	vvi-miR396c *-5_perfect match
vvi miR-1108 nat as	taatgtccacaacttctct	probe
vvi miR-1108 2mut as	taatgttcaaaaacttctct	vvi-miR396c *-5_mismatch probe
vvi miR-1109 nat as	agctttattgaaccgcaact	vvi-miR396c *+5_perfect match
vvi miR-1109 2mut as	agctttattaaacccaact	probe
vvi miR-1110 nat as	tatcttcccacagctttatt	vvi-miR396d *-5_mismatch probe
vvi miR-1110 2mut as	tatcttctcacagttttatt	vvi-miR396d *+5_perfect match
vvi miR-1111 nat as	agtgcagcgccaatggaatc	probe
vvi miR-1111 2mut as	agtgcagcccaatcgaatc	vvi-miR396d *+5_mismatch probe
vvi miR-1112 nat as	gacatgattgagtcgagcg	vvi-miR397a *-5_perfect match
vvi miR-1112 2mut as	gacatgattaagtgaagcg	probe
vvi miR-1113 nat as	agtgcagcgccaatggaatc	vvi-miR397a *-5_mismatch probe
vvi miR-1113 2mut as	agtgcagcccaatcgaatc	vvi-miR397a *+5_perfect match
vvi miR-1114 nat as	gacatgattgagtcgagcg	probe
vvi miR-1114 2mut as	gacatgattaagtgaagcg	vvi-miR397a *+5_mismatch probe
vvi miR-1115 nat as	caggtgccactcccttgggg	vvi-miR397b *-5_perfect match
vvi miR-1115 2mut as	caggtgtcactctcttgggg	probe
vvi miR-1116 nat as	aaccggtgttctcaggtgcc	vvi-miR397b *-5_mismatch probe
vvi miR-1116 2mut as	aaccagtggttctcagctgcc	vvi-miR397b *+5_perfect match
		probe
		vvi-miR398a *-5_mismatch probe
		vvi-miR398a *+5_perfect match
		probe
		vvi-miR398a *-5_mismatch probe
		vvi-miR398a *+5_mismatch probe

vvi miR-1117 nat as	ctcaggtcacacctgtagga	vvi-miR398b *-5_perfect match
vvi miR-1117 2mut as	ctcagctcacatctgtagga	probe
		vvi-miR398b *-5_mismatch probe
vvi miR-1118 nat as	gggcatgtgattctcaggtc	vvi-miR398b *+5_perfect match
vvi miR-1118 2mut as	gggcatgcgattctccggtc	probe
		vvi-miR398b *+5_mismatch probe
vvi miR-1119 nat as	ctcaggtcactcctgtagga	vvi-miR398c *-5_perfect match
vvi miR-1119 2mut as	ctcagctcacttctgtagga	probe
		vvi-miR398c *-5_mismatch probe
vvi miR-1120 nat as	gggcatgtgattctcaggtc	vvi-miR398c *+5_perfect match
vvi miR-1120 2mut as	gggcatgcgattctccggtc	probe
		vvi-miR398c *+5_mismatch probe
vvi miR-1121 nat as	aggagaatcacactgttatt	vvi-miR399a *-5_perfect match
vvi miR-1121 2mut as	aggagaatccccctgttatt	probe
		vvi-miR399a *-5_mismatch probe
vvi miR-1122 nat as	atctctgccaaggagaatc	vvi-miR399a *+5_perfect match
vvi miR-1122 2mut as	atctctgtcaaagaagaatc	probe
		vvi-miR399a *+5_mismatch probe
vvi miR-1123 nat as	gaaagaggtgcctatgatt	vvi-miR399b *-5_perfect match
vvi miR-1123 2mut as	gaaagaggtctcctatgatt	probe
		vvi-miR399b *-5_mismatch probe
vvi miR-1124 nat as	gtgcctgccaagaaagaggt	vvi-miR399b *+5_perfect match
vvi miR-1124 2mut as	gtgcctgtcaagaaacaggt	probe
		vvi-miR399b *+5_mismatch probe
vvi miR-1125 nat as	gtgaaagaggcctgagacc	vvi-miR399c *-5_perfect match
vvi miR-1125 2mut as	gtgaaagagctcctgagacc	probe
		vvi-miR399c *-5_mismatch probe
vvi miR-1126 nat as	tcacctaccaagtgaaagag	vvi-miR399c *+5_perfect match
vvi miR-1126 2mut as	tcacctacaaagcgaagag	probe
		vvi-miR399c *+5_mismatch probe
vvi miR-1127 nat as	aaaagaaatctgctctataa	vvi-miR399d *-5_perfect match
vvi miR-1127 2mut as	aaaagaaatttctctataa	probe
		vvi-miR399d *-5_mismatch probe
vvi miR-1128 nat as	ccatctgccaagaaatct	vvi-miR399d *+5_perfect match

vvi miR-1128 2mut as	ccatctgtcaaaacaaatct	probe vvi-miR399d *+5_mismatch probe vvi-miR399e *-5_perfect match
vvi miR-1129 nat as	aaagataattgacctgtaa	probe
vvi miR-1129 2mut as	aaagctaattgtcctgtaa	vvi-miR399e *-5_mismatch probe vvi-miR399e *+5_perfect match
vvi miR-1130 nat as	ctgcctgccaaaagataatt	probe
vvi miR-1130 2mut as	ctgcctgtcaaaacataatt	vvi-miR399e *+5_mismatch probe
vvi miR-1131 nat as	ttggccctctaatac	vvi-miR399f *-5_perfect match probe
vvi miR-1131 2mut as	ttggctctcaatccaac	vvi-miR399f *-5_mismatch probe vvi-miR399f *+5_perfect match
vvi miR-1132 nat as	cttcctgccaagcagattt	probe
vvi miR-1132 2mut as	cttcctgtcaagaagattt	vvi-miR399f *+5_mismatch probe vvi-miR399g *-5_perfect match
vvi miR-1133 nat as	aatggagtattgccagcaa	probe
vvi miR-1133 2mut as	aatgaagtattgtccagcaa	vvi-miR399g *-5_mismatch probe vvi-miR399g *+5_perfect match
vvi miR-1134 nat as	ccaactgccaatggagtatt	probe
vvi miR-1134 2mut as	ccaactgtcaatcgagtatt	vvi-miR399g *+5_mismatch probe vvi-miR399h *-5_perfect match
vvi miR-1135 nat as	aggaggattgcactgttatt	probe
vvi miR-1135 2mut as	aggaggattcaactgttatt	vvi-miR399h *-5_mismatch probe vvi-miR399h *+5_perfect match
vvi miR-1136 nat as	ctttctgccaaggaggatt	probe
vvi miR-1136 2mut as	ctttctgtcaagaaggatt	vvi-miR399h *+5_mismatch probe
vvi miR-1137 nat as	aggagagaagcctacaact	vvi-miR399i *-5_perfect match probe
vvi miR-1137 2mut as	aggagagaactcctacaact	vvi-miR399i *-5_mismatch probe vvi-miR399i *+5_perfect match
vvi miR-1138 nat as	ctcctgccagaaggagagaa	probe
vvi miR-1138 2mut as	ctcctgtcagaagaagagaa	vvi-miR399i *+5_mismatch probe vvi-miR403a *-5_perfect match
vvi miR-1139 nat as	attcacgcacaaacttgaga	probe
vvi miR-1139 2mut as	attcaccacaaatttgaga	vvi-miR403a *-5_mismatch probe
vvi miR-1140 nat as	tggggtttgattcacgcaca	vvi-miR403a *+5_perfect match

vvi miR-1140 nat as	tgggctttgattcaccaca	probe
vvi miR-1140 2mut as		vvi-miR403a *+5_mismatch probe
vvi miR-1141 nat as	tcgcgcacaaactcgaggtt	vvi-miR403b *-5_perfect match
vvi miR-1141 2mut as	tcgcccacaaactagaggtt	probe
vvi miR-1142 nat as	aggcgttggattcgcgcaca	vvi-miR403b *-5_mismatch probe
vvi miR-1142 2mut as	aggccttgattcgcccaca	vvi-miR403b *+5_perfect match
vvi miR-1143 nat as	tcacgcacaaacttgagatg	probe
vvi miR-1143 2mut as	tcaccacaaacttaagatg	vvi-miR403b *+5_mismatch probe
vvi miR-1144 nat as	tggggtttgattcacgcaca	vvi-miR403c *-5_perfect match
vvi miR-1144 2mut as	tgggctttgattcaccaca	probe
vvi miR-1145 nat as	tcgcgcacaaactcgaggtt	vvi-miR403c *-5_mismatch probe
vvi miR-1145 2mut as	tcgcccacaaactagaggtt	vvi-miR403c *+5_perfect match
vvi miR-1146 nat as	ggttgattcgcgcacaaac	probe
vvi miR-1146 2mut as	ggttgattgcccacaaac	vvi-miR403c *+5_mismatch probe
vvi miR-1147 nat as	tcacgcacaaacttgagatg	vvi-miR403d *-5_perfect match
vvi miR-1147 2mut as	tcaccacaaacttaagatg	probe
vvi miR-1148 nat as	tggggtttgattcacgcaca	vvi-miR403d *-5_mismatch probe
vvi miR-1148 2mut as	tgggctttgattcaccaca	vvi-miR403d *+5_perfect match
vvi miR-1149 nat as	gtcacgcacaaactcctcat	probe
vvi miR-1149 2mut as	gtcaccacaaacttctcat	vvi-miR403d *+5_mismatch probe
vvi miR-1150 nat as	cggtttagagtcacgcaca	vvi-miR403e *-5_perfect match
vvi miR-1150 2mut as	cggtttagcgtcaccaca	probe
vvi miR-1151 nat as	actacctcgtcccgtcttc	vvi-miR403e *+5_mismatch probe
vvi miR-1151 2mut as	actacctcctccagtcttc	vvi-miR403f *-5_perfect match probe
vvi miR-1152 nat as	catcatgcactacctcgtc	vvi-miR403f *-5_mismatch probe
		vvi-miR403f *+5_perfect match probe

vvi miR-1152 2mut as	catccatgaactatctcgtc	vvi-miR408 *+5_mismatch probe
vvi miR-1153 nat as	cccactgtcttccaactttc	vvi-miR477a *-5_perfect match probe
vvi miR-1153 2mut as	cccactctcttcaaactttc	vvi-miR477a *-5_mismatch probe
vvi miR-1154 nat as	ttccaagggtccccactgtc	vvi-miR477a *+5_perfect match probe
vvi miR-1154 2mut as	ttccaagctcctcactgtc	vvi-miR477a *+5_mismatch probe
vvi miR-1155 nat as	ttggttcggctcgtctttga	vvi-miR479 *-5_perfect match probe
vvi miR-1155 2mut as	ttggttcgcctcctctttga	vvi-miR479 *-5_mismatch probe
vvi miR-1156 nat as	caagagtgatattggttcgg	vvi-miR479 *+5_perfect match probe
vvi miR-1156 2mut as	caagagcgatattcgttcgg	vvi-miR479 *+5_mismatch probe
vvi miR-1157 nat as	ctactctccaattccaaac	vvi-miR482a *-5_perfect match probe
vvi miR-1157 2mut as	ctactctcaaattctcaaac	vvi-miR482a *-5_mismatch probe
vvi miR-1158 nat as	gctttcctactctccaattc	vvi-miR482a *+5_perfect match probe
vvi miR-1158 2mut as	gcttttctactctcaattc	vvi-miR482a *+5_mismatch probe
vvi miR-1159 nat as	gagagagagcacgcctgtac	vvi-miR535a *-5_perfect match probe
vvi miR-1159 2mut as	gagagagagaaccctgtac	vvi-miR535a *-5_mismatch probe
vvi miR-1160 nat as	ttgtatgacagcgagagaga	vvi-miR535a *+5_perfect match probe
vvi miR-1160 2mut as	ttgtatgaaagagagagaga	vvi-miR535a *+5_mismatch probe
vvi miR-1161 nat as	gagagagagcacgcctgtac	vvi-miR535b *-5_perfect match probe
vvi miR-1161 2mut as	gagagagagaaccctgtac	vvi-miR535b *-5_mismatch probe
vvi miR-1162 nat as	ttgtatgacagcgagagaga	vvi-miR535b *+5_perfect match probe
vvi miR-1162 2mut as	ttgtatgaaagagagagaga	vvi-miR535b *+5_mismatch probe
vvi miR-1163 nat as	gagagagagcacgcctgtac	vvi-miR535c *-5_perfect match probe
vvi miR-1163 2mut as	gagagagagaaccctgtac	vvi-miR535c *-5_mismatch probe
vvi miR-1164 nat as	ttgtatgacagcgagagaga	vvi-miR535c *+5_perfect match probe

vvi miR-1164 2mut as	ttgtatgaaagagagagaga	vvi-miR535c *+5_mismatch probe
vvi miR-1165 nat as	gacagagagcacgcctgtac	vvi-miR535d *-5_perfect match
vvi miR-1165 2mut as	gacagagagaaccctgtac	probe
vvi miR-1166 nat as	ttgtatgacagcgacagaga	vvi-miR535d *-5_mismatch probe
vvi miR-1166 2mut as	ttgtatgaaagagacagaga	vvi-miR535d *+5_perfect match
vvi miR-1167 nat as	gacagagagcacgcctgtac	probe
vvi miR-1167 2mut as	gacagagagaaccctgtac	vvi-miR535d *+5_mismatch probe
vvi miR-1168 nat as	ttgtatgacagcgacagaga	vvi-miR535e *-5_perfect match
vvi miR-1168 2mut as	ttgtatgaaagagacagaga	probe
vvi miR-1169 nat as	caaatgagcatctcaacaac	vvi-miR535e *+5_mismatch probe
vvi miR-1169 2mut as	caaatgagaatctaaacaac	vvi-miR535e *+5_perfect match
vvi miR-1170 nat as	ggttgcttcctcaaatgagc	probe
vvi miR-1170 2mut as	ggttccttcctcaaatgagc	vvi-miR828a *-5_mismatch probe
vvi miR-1171 nat as	ggaaatgactatccaggttg	vvi-miR828a *+5_perfect match
vvi miR-1171 2mut as	ggaaatgcctatcaaggttg	probe
vvi miR-1172 nat as	tggtttgcaggaaatgact	vvi-miR828a *+5_mismatch probe
vvi miR-1172 2mut as	tggtttgaagaaaatgact	vvi-miR828b *-5_perfect match
vvi miR-1173 nat as	catgaaggaactaatcaagt	probe
vvi miR-1173 2mut as	catgaagaaactaataaagt	vvi-miR828b *+5_mismatch probe
vvi miR-1174 nat as	tgcaataactcatgaaggaa	vvi-miR845a *-5_perfect match
vvi miR-1174 2mut as	tgcaataattcataaaggaa	probe
vvi miR-1175 nat as	catgaaggaactaatcaagt	vvi-miR845a *+5_mismatch probe
vvi miR-1175 2mut as	catgaagaaactaataaagt	vvi-miR845a *+5_perfect match
		probe
		vvi-miR845b *-5_mismatch probe

vvi miR-1176 nat as	gaaataactcatgaaggaac	vvi-miR845b *+5_perfect match
vvi miR-1176 2mut as	gaaataactaatgaacgaac	probe
		vvi-miR845b *+5_mismatch probe
vvi miR-1177 nat as	cagacaacccaaaacacataa	vvi-miR845c *-5_perfect match
vvi miR-1177 2mut as	cagacaacccaaaacccataa	probe
		vvi-miR845c *-5_mismatch probe
vvi miR-1178 nat as	acatgaaactcagacaacca	vvi-miR845c *+5_perfect match
vvi miR-1178 2mut as	acataaaactcagaaaacca	probe
		vvi-miR845c *+5_mismatch probe
vvi miR-1179 nat as	tagggataattaatgttggt	vvi-miR845d *-5_perfect match
vvi miR-1179 2mut as	taggaataattaatcttggt	probe
		vvi-miR845d *-5_mismatch probe
vvi miR-1180 nat as	tcccatggccctagggataa	vvi-miR845d *+5_perfect match
vvi miR-1180 2mut as	tcccatggtcctagtgataa	probe
		vvi-miR845d *+5_mismatch probe
vvi miR-1181 nat as	tagggataattaatgtgcgt	vvi-miR845e *-5_perfect match
vvi miR-1181 2mut as	taggaataattaatgcgcgt	probe
		vvi-miR845e *-5_mismatch probe
vvi miR-1182 nat as	tcccatggccctagggataa	vvi-miR845e *+5_perfect match
vvi miR-1182 2mut as	tcccatggtcctagtgataa	probe
		vvi-miR845e *+5_mismatch probe
vvi miR-1183 nat as	gagagagcacactccaaga	vvi-miR156a *-10_perfect match
vvi miR-1183 2mut as	gagagagaacactctcaaga	probe
		vvi-miR156a *-10_mismatch probe
vvi miR-1184 nat as	gtgtgatgatgacagaagaa	vvi-miR156a *+10_perfect match
vvi miR-1184 2mut as	gtgtgataatgaaagaagaa	probe
		vvi-miR156a *+10_mismatch probe
vvi miR-1185 nat as	aatgagcacgcaaaagcaa	vvi-miR156b *-10_perfect match
vvi miR-1185 2mut as	aatgagaacccaaaagcaa	probe
		vvi-miR156b *-10_mismatch probe
vvi miR-1186 nat as	ctggaagctgacagaaagag	vvi-miR156b *+10_perfect match
vvi miR-1186 2mut as	ctggaagttgaaagaagag	probe
		vvi-miR156b *+10_mismatch probe
vvi miR-1187 nat as	gagtgagcacgcagagcttc	vvi-miR156c *-10_perfect match

vvi miR-1187 2mut as	gagtgagaaccagagcttc	probe vvi-miR156c [*] -10_mismatch probe vvi-miR156c [*] +10_perfect match
vvi miR-1188 nat as vvi miR-1188 2mut as	gaggacagatgacagataga gaggaaagatgaaagataga	probe vvi-miR156c [*] +10_mismatch probe vvi-miR156d [*] -10_perfect match
vvi miR-1189 nat as vvi miR-1189 2mut as	aggtgagcacgcaccggcat aggtgagaaccaccggcat	probe vvi-miR156d [*] -10_mismatch probe vvi-miR156d [*] +10_perfect match
vvi miR-1190 nat as vvi miR-1190 2mut as	cctgaagctgacagaaagag cctgaagttgaaagaaagag	probe vvi-miR156d [*] +10_mismatch probe vvi-miR156e [*] -10_perfect match
vvi miR-1191 nat as vvi miR-1191 2mut as	gagtaagcacacagagcttc gagtaagaacacagaccttc	probe vvi-miR156e [*] -10_mismatch probe vvi-miR156e [*] +10_perfect match
vvi miR-1192 nat as vvi miR-1192 2mut as	cttgaggggtgacagatagg cttgaggtgtgaaagatagg	probe vvi-miR156e [*] +10_mismatch probe vvi-miR156f [*] -10_perfect match
vvi miR-1193 nat as vvi miR-1193 2mut as vvi miR-1194 nat as vvi miR-1194 2mut as	gagagaggacaagactgctc gagagagaacaagcctgctc gacaggagaagagagaggac gacagaagaagagagcggac	probe vvi-miR156f [*] -10_mismatch probe vvi-miR156f [*] 0_perfect match probe vvi-miR156f [*] 0_mismatch probe vvi-miR156f [*] +10_perfect match
vvi miR-1195 nat as vvi miR-1195 2mut as	aagttctgtgacaggagaa aagttctctgacagaagaa	probe vvi-miR156f [*] +10_mismatch probe vvi-miR156g [*] -10_perfect match
vvi miR-1196 nat as vvi miR-1196 2mut as vvi miR-1197 nat as vvi miR-1197 2mut as	tagagagcacaaggagtga tagagagaacaagaagtga gacagaagtctagagagcac gacagaagcctagagcgcac	probe vvi-miR156g [*] -10_mismatch probe vvi-miR156g [*] 0_perfect match probe vvi-miR156g [*] 0_mismatch probe vvi-miR156g [*] +10_perfect match
vvi miR-1198 nat as vvi miR-1198 2mut as vvi miR-1199 nat as	ctgaggtgatgacagaagtc ctgagctgatgaaagaagtc cagaaagaactcagctgatc	probe vvi-miR156g [*] +10_mismatch probe vvi-miR156h [*] -10_perfect match

vvi miR-1199 2mut as	cagaaagaattcagttgatc	probe vvi-miR156h *-10_mismatch probe vvi-miR156h *+10_perfect match
vvi miR-1200 nat as	gcaggacacaatgaaaggcg	probe
vvi miR-1200 2mut as	gcagaacacaataaaaggcg	vvi-miR156h *+10_mismatch probe vvi-miR156i *-10_perfect match
vvi miR-1201 nat as	tagagagcacaaggagtga	probe
vvi miR-1201 2mut as	tagagagaacaaagaagtga	vvi-miR156i *-10_mismatch probe vvi-miR156i *+10_perfect match
vvi miR-1202 nat as	ttaaggtgatgacagaagaa	probe
vvi miR-1202 2mut as	ttaagctgatgaaagaagaa	vvi-miR156i *+10_mismatch probe vvi-miR159a *-10_perfect match
vvi miR-1203 nat as	aggagctcccataaaccc	probe
vvi miR-1203 2mut as	aggagctctaataaaccc	vvi-miR159a *-10_mismatch probe
vvi miR-1204 nat as	tggagcgtaaaggagctccc	vvi-miR159a *0_perfect match probe
vvi miR-1204 2mut as	tggagagtaaaggagtccc	vvi-miR159a *0_mismatch probe vvi-miR159a *+10_perfect match
vvi miR-1205 nat as	ctttcagaactggagcgtaa	probe
vvi miR-1205 2mut as	ctttccgaactggagagtaa	vvi-miR159a *+10_mismatch probe vvi-miR159b *-10_perfect match
vvi miR-1206 nat as	gaagctcccacaagccc	probe
vvi miR-1206 2mut as	gaagctctcccagccc	vvi-miR159b *-10_mismatch probe
vvi miR-1207 nat as	ggagtgtaaagaagctccca	vvi-miR159b *0_perfect match probe
vvi miR-1207 2mut as	ggagcgtaaagaagttccca	vvi-miR159b *0_mismatch probe vvi-miR159b *+10_perfect match
vvi miR-1208 nat as	tttcagttctggagtgtaaa	probe
vvi miR-1208 2mut as	tttcagttcccagtgtaaa	vvi-miR159b *+10_mismatch probe vvi-miR159c *-10_perfect match
vvi miR-1209 nat as	aggagctccactcaaaaa	probe
vvi miR-1209 2mut as	aggagttccactcaaaaa	vvi-miR159c *-10_mismatch probe
vvi miR-1210 nat as	ttggactcaaggagctcca	vvi-miR159c *0_perfect match probe
vvi miR-1210 2mut as	ttggcctcaaggagttcca	vvi-miR159c *0_mismatch probe vvi-miR159c *+10_perfect match
vvi miR-1211 nat as	agaccctctattggacttca	probe

vvi miR-1211 2mut as	agactctctattcgacttca	vvi-miR159c *+10_mismatch probe vvi-miR160a *-10_perfect match probe
vvi miR-1212 nat as	tctgatgccaaactaggaaga	vvi-miR160a *-10_mismatch probe
vvi miR-1212 2mut as	tctgatgtcaactagaaaga	vvi-miR160a *0_perfect match probe
vvi miR-1213 nat as	gcatgactcctctgatgcc	vvi-miR160a *0_mismatch probe
vvi miR-1213 2mut as	gcatgacttctccgatgcc	vvi-miR160a *+10_perfect match probe
vvi miR-1214 nat as	gttggggcctgcatgactcc	vvi-miR160a *+10_mismatch probe
vvi miR-1214 2mut as	gttggggctgaatgactcc	vvi-miR160b *-10_perfect match probe
vvi miR-1215 nat as	cctcatgccaaataggaagg	vvi-miR160b *-10_mismatch probe
vvi miR-1215 2mut as	cctcatgtcaaatagaaagg	vvi-miR160b *0_perfect match probe
vvi miR-1216 nat as	gcttgactcccctcatgcc	vvi-miR160b *0_mismatch probe
vvi miR-1216 2mut as	gcttgactcttctcatgcc	vvi-miR160b *+10_perfect match probe
vvi miR-1217 nat as	tgtttcgctgcttgactcc	vvi-miR160b *+10_mismatch probe
vvi miR-1217 2mut as	tgtttcccctccttgactcc	vvi-miR160c *-10_perfect match probe
vvi miR-1218 nat as	tcgcacgccaccgcaaata	vvi-miR160c *-10_mismatch probe
vvi miR-1218 2mut as	tcgcacccccccccaaata	vvi-miR160c *0_perfect match probe
vvi miR-1219 nat as	gcttgctcctcgcacgcc	vvi-miR160c *0_mismatch probe
vvi miR-1219 2mut as	gcttgctcctcccacgcc	vvi-miR160c *+10_perfect match probe
vvi miR-1220 nat as	tggtgggtatgcttgctcc	vvi-miR160c *+10_mismatch probe
vvi miR-1220 2mut as	tggtgtgtatgcttgctcc	vvi-miR160d *-10_perfect match probe
vvi miR-1221 nat as	tcgcacgccatccgcgaagg	vvi-miR160d *-10_mismatch probe
vvi miR-1221 2mut as	tcgcacccatccgagaagg	vvi-miR160d *0_perfect match probe
vvi miR-1222 nat as	gcatggctcctcgcacgcc	vvi-miR160d *0_mismatch probe
vvi miR-1222 2mut as	gcatgctcctcccacgcc	vvi-miR160d *+10_perfect match probe
vvi miR-1223 nat as	caagatgcatgcatggctcc	vvi-miR160d *+10_mismatch probe
vvi miR-1223 2mut as	caagatgaatgcatgctcc	vvi-miR160e *-10_perfect match
vvi miR-1224 nat as	cctcatgccaaataggaagg	

vvi miR-1224 2mut as	cctcatgtcaaatagaaagg	probe
vvi miR-1225 nat as	gcttgactcccctcatgcc	vvi-miR160e *-10_mismatch probe
vvi miR-1225 2mut as	gcttgactcttctcatgcc	vvi-miR160e *0_perfect match probe
		vvi-miR160e *0_mismatch probe
		vvi-miR160e *+10_perfect match
vvi miR-1226 nat as	tgtttcgcctgcttgactcc	probe
vvi miR-1226 2mut as	tgtttcccctccttgactcc	vvi-miR160e *+10_mismatch probe
		vvi-miR160f *-10_perfect match
		probe
vvi miR-1227 nat as	tcatacgccatccacgaagg	vvi-miR160f *-10_mismatch probe
vvi miR-1227 2mut as	tcatacccctccaagaagg	vvi-miR160f *0_perfect match probe
vvi miR-1228 nat as	gcatggctcctcatagcca	vvi-miR160f *0_mismatch probe
vvi miR-1228 2mut as	gcatgcctcctcataagcca	vvi-miR160f *+10_perfect match
		probe
vvi miR-1229 nat as	tggggcatatgcatggctcc	vvi-miR160f *+10_mismatch probe
vvi miR-1229 2mut as	tgggccatgcatgcctcc	vvi-miR162 *-10_perfect match
		probe
vvi miR-1230 nat as	ctgcatccagtgacttca	vvi-miR162 *-10_mismatch probe
vvi miR-1230 2mut as	ctgcatcaagcgacttca	vvi-miR162 *0_perfect match probe
vvi miR-1231 nat as	cgatgaaccgctgcatccag	vvi-miR162 *0_mismatch probe
vvi miR-1231 2mut as	cgatgaaccctgaatccag	vvi-miR162 *+10_perfect match
		probe
vvi miR-1232 nat as	aggaagagatcgatgaaccg	vvi-miR162 *+10_mismatch probe
vvi miR-1232 2mut as	aggaagcgatagatgaaccg	vvi-miR164a *-10_perfect match
		probe
vvi miR-1233 nat as	gagcacgtgcaagcctgtgg	vvi-miR164a *-10_mismatch probe
vvi miR-1233 2mut as	gagcacgtgaaagtctgtgg	vvi-miR164a *0_perfect match probe
vvi miR-1234 nat as	tggagaaggggagcacgtgc	vvi-miR164a *0_mismatch probe
vvi miR-1234 2mut as	tggagaaggtgagaacgtgc	vvi-miR164a *+10_perfect match
		probe
vvi miR-1235 nat as	gaacctatgttgagaaggg	vvi-miR164a *+10_mismatch probe
vvi miR-1235 2mut as	gaactcatgttcgagaaggg	vvi-miR164b *-10_perfect match
		probe
vvi miR-1236 nat as	agggcacatgtaaaatctca	vvi-miR164b *-10_mismatch probe
vvi miR-1236 2mut as	agggaacatgtaaacctca	

vvi miR-1237 nat as	tgggagagccaggccacatg	vvi-miR164b *0_perfect match probe
vvi miR-1237 2mut as	tgggagagtcaggccacatg	vvi-miR164b *0_mismatch probe
vvi miR-1238 nat as	aggatccaagtgggagagcc	vvi-miR164b *+10_perfect match probe
vvi miR-1238 2mut as	aggatcaaagtgtgagagcc	vvi-miR164b *+10_mismatch probe
vvi miR-1239 nat as	agcacgtgcagagcagatta	vvi-miR164d *-10_perfect match probe
vvi miR-1239 2mut as	agcacgtgaagagaagatta	vvi-miR164d *-10_mismatch probe
vvi miR-1240 nat as	ggagaaggggagcacgtgca	vvi-miR164d *0_perfect match probe
vvi miR-1240 2mut as	ggagaaggtgagaacgtgca	vvi-miR164d *0_mismatch probe
vvi miR-1241 nat as	aacctatgttgagaagggg	vvi-miR164d *+10_perfect match probe
vvi miR-1241 2mut as	aaccaatgttcgagaagggg	vvi-miR164d *+10_mismatch probe
vvi miR-1242 nat as	aacattcccctcaaaatag	vvi-miR166c *-10_perfect match probe
vvi miR-1242 2mut as	aacattcctctaaaaatag	vvi-miR166c *-10_mismatch probe
vvi miR-1243 nat as	cgagccagacaacattcccc	vvi-miR166c *0_perfect match probe
vvi miR-1243 2mut as	cgagtcagacaaaattcccc	vvi-miR166c *0_mismatch probe
vvi miR-1244 nat as	taagtgtcctcgagccagac	vvi-miR166c *+10_perfect match probe
vvi miR-1244 2mut as	taagtgttctcgagtcagac	vvi-miR166c *+10_mismatch probe
vvi miR-1245 nat as	acaatcccctcaaagcag	vvi-miR166d *-10_perfect match probe
vvi miR-1245 2mut as	acaatcctctaaaagcag	vvi-miR166d *-10_mismatch probe
vvi miR-1246 nat as	gagccagacaacaatcccct	vvi-miR166d *0_perfect match probe
vvi miR-1246 2mut as	gagcaagacaacaatcccct	vvi-miR166d *0_mismatch probe
vvi miR-1247 nat as	tggtggcctcgagccagaca	vvi-miR166d *+10_perfect match probe
vvi miR-1247 2mut as	tggtggtctcgagtcagaca	vvi-miR166d *+10_mismatch probe
vvi miR-1248 nat as	aacattcccctcaaaacac	vvi-miR166e *-10_perfect match probe
vvi miR-1248 2mut as	aacattcctctaaaaacac	vvi-miR166e *-10_mismatch probe
vvi miR-1249 nat as	cgagccagacaacattcccc	vvi-miR166e *0_perfect match probe
vvi miR-1249 2mut as	cgagtcagacaaaattcccc	vvi-miR166e *0_mismatch probe

vvi miR-1250 nat as	ttggtgtcctcgagccagac	vvi-miR166e *+10_perfect match
vvi miR-1250 2mut as	ttggtgttctcgagtcagac	probe
		vvi-miR166e *+10_mismatch probe
vvi miR-1251 nat as	aacattccccacaactaca	vvi-miR166f *-10_perfect match
vvi miR-1251 2mut as	aacattcctccccaaactaca	probe
vvi miR-1252 nat as	cgagccagccaacattcccc	vvi-miR166f *-10_mismatch probe
vvi miR-1252 2mut as	cgagccagtcaaaattcccc	vvi-miR166f *0_perfect match probe
		vvi-miR166f *0_mismatch probe
vvi miR-1253 nat as	aagaaagcctcgagccagcc	vvi-miR166f *+10_perfect match
vvi miR-1253 2mut as	aagaaagtctcgagtcagcc	probe
		vvi-miR166f *+10_mismatch probe
vvi miR-1254 nat as	acattcccctcaactgtt	vvi-miR166g *-10_perfect match
vvi miR-1254 2mut as	acattcctctaaactgtt	probe
vvi miR-1255 nat as	gaaccagacaacattcccct	vvi-miR166g *-10_mismatch probe
vvi miR-1255 2mut as	gaacaagacaacattccct	vvi-miR166g *0_perfect match probe
		vvi-miR166g *0_mismatch probe
vvi miR-1256 nat as	gaaggatctcgaaccagaca	vvi-miR166g *+10_perfect match
vvi miR-1256 2mut as	gaaggatctaaaaccagaca	probe
		vvi-miR166g *+10_mismatch probe
vvi miR-1257 nat as	agcgttccccctcaactgtt	vvi-miR166h *-10_perfect match
vvi miR-1257 2mut as	agcgttctctaaactgtt	probe
vvi miR-1258 nat as	cgaaccagacagcgttcccc	vvi-miR166h *-10_mismatch probe
vvi miR-1258 2mut as	cgaacaagacagagttcccc	vvi-miR166h *0_perfect match probe
		vvi-miR166h *0_mismatch probe
vvi miR-1259 nat as	cgagtggctcgaaccagac	vvi-miR166h *+10_perfect match
vvi miR-1259 2mut as	cgagtcgtctagaaccagac	probe
		vvi-miR166h *+10_mismatch probe
vvi miR-1260 nat as	ctcattccaaacaccgc	vvi-miR166a *-10_perfect match
vvi miR-1260 2mut as	ctcattcaaaacatccgc	probe
vvi miR-1261 nat as	tggatcaaacctcattccaa	vvi-miR166a *-10_mismatch probe
vvi miR-1261 2mut as	tggatcaaatttcattccaa	vvi-miR166a *0_perfect match probe
		vvi-miR166a *0_mismatch probe
vvi miR-1262 nat as	ggaaggatcttggatcaaac	vvi-miR166a *+10_perfect match
		probe

vvi miR-1262 2mut as	ggaagaatcttcgatcaaac	vvi-miR166a *+10_mismatch probe vvi-miR166b *-10_perfect match probe
vvi miR-1263 nat as	aacattcccccaaaaaaac	vvi-miR166b *-10_mismatch probe
vvi miR-1263 2mut as	aacattcctctaaaaaac	vvi-miR166b *0_perfect match probe
vvi miR-1264 nat as	cgagccagccaacattccccc	vvi-miR166b *0_mismatch probe
vvi miR-1264 2mut as	cgagccagtcaaaattccccc	vvi-miR166b *+10_perfect match probe
vvi miR-1265 nat as	gtgaatgcctcgagccagccc	vvi-miR166b *+10_mismatch probe
vvi miR-1265 2mut as	gtgaatgtctcgagtcagccc	vvi-miR167a *-10_perfect match probe
vvi miR-1266 nat as	agatgacctgatcatggaac	vvi-miR167a *-10_mismatch probe
vvi miR-1266 2mut as	agatgatctgatcatcgaaac	vvi-miR167a *0_perfect match probe
vvi miR-1267 nat as	tgaagctgcaagatgacctg	vvi-miR167a *0_mismatch probe
vvi miR-1267 2mut as	tgaagctgaaagatgcacctg	vvi-miR167a *+10_perfect match probe
vvi miR-1268 nat as	agtgagtgattgaagctgca	vvi-miR167a *+10_mismatch probe
vvi miR-1268 2mut as	agtgagcgaattgaagttgca	vvi-miR167b *-10_perfect match probe
vvi miR-1269 nat as	acatgatctagtctttcctg	vvi-miR167b *-10_mismatch probe
vvi miR-1269 2mut as	acataatctagcctttcctg	vvi-miR167b *0_perfect match probe
vvi miR-1270 nat as	tgaaactgccacatgatcta	vvi-miR167b *0_mismatch probe
vvi miR-1270 2mut as	tgaaactgtcccatgatcta	vvi-miR167b *+10_perfect match probe
vvi miR-1271 nat as	catcaacaggtgaaactgcc	vvi-miR167b *+10_mismatch probe
vvi miR-1271 2mut as	catcaacagccgaaactgcc	vvi-miR167c *-10_perfect match probe
vvi miR-1272 nat as	cacatgatctgatctttcct	vvi-miR167c *-10_mismatch probe
vvi miR-1272 2mut as	cacatgatccaatctttcct	vvi-miR167c *+10_perfect match probe
vvi miR-1273 nat as	ccatcaacaggtgaggctac	vvi-miR167c *+10_mismatch probe
vvi miR-1273 2mut as	ccatcaacacgtgagcctac	vvi-miR167d *-10_perfect match probe
vvi miR-1274 nat as	gcatgacctagctagggtta	vvi-miR167d *-10_mismatch probe
vvi miR-1274 2mut as	gcatgatctagctagtgtta	

vvi miR-1275 nat as	ggctgtcagggcatgaccta	vvi-miR167d *0_perfect match probe
vvi miR-1275 2mut as	ggctgtcagtcctgaccta	vvi-miR167d *0_mismatch probe
vvi miR-1276 nat as	gaaggagtgaggctgtcagg	vvi-miR167d *+10_perfect match probe
vvi miR-1276 2mut as	gaagaagtgagcctgtcagg	vvi-miR167d *+10_mismatch probe
vvi miR-1277 nat as	cacatgatctgatctctgtt	vvi-miR167e *-10_perfect match probe
vvi miR-1277 2mut as	cacatgatccaatctctgtt	vvi-miR167e *-10_mismatch probe
vvi miR-1278 nat as	gtgaaactgccacatgatct	vvi-miR167e *0_perfect match probe
vvi miR-1278 2mut as	gtgaaactgtaacatgatct	vvi-miR167e *0_mismatch probe
vvi miR-1279 nat as	ccaacaacaggtgaaactgc	vvi-miR167e *+10_perfect match probe
vvi miR-1279 2mut as	ccaacaacacctgaaactgc	vvi-miR167e *+10_mismatch probe
vvi miR-1280 nat as	caaggcgggatcggaattcg	vvi-miR168 *-10_perfect match probe
vvi miR-1280 2mut as	caaggagggatcagaattcg	vvi-miR168 *-10_mismatch probe
vvi miR-1281 nat as	tcagttgatgcaaggcggga	vvi-miR168 *0_perfect match probe
vvi miR-1281 2mut as	tcagttgatccaaggagggga	vvi-miR168 *0_mismatch probe
vvi miR-1282 nat as	cgtctccgattcagttgatg	vvi-miR168 *+10_perfect match probe
vvi miR-1282 2mut as	cgtctcagattccgttgatg	vvi-miR168 *+10_mismatch probe
vvi miR-1283 nat as	aacttgccagggtcactat	vvi-miR169a *-10_perfect match probe
vvi miR-1283 2mut as	aactgtcagtggtcactat	vvi-miR169a *-10_mismatch probe
vvi miR-1284 nat as	agccaaggacaactgccag	vvi-miR169a *0_perfect match probe
vvi miR-1284 2mut as	agccaagaacaactcccag	vvi-miR169a *0_mismatch probe
vvi miR-1285 nat as	aatcaaatgtagccaaggac	vvi-miR169a *+10_perfect match probe
vvi miR-1285 2mut as	aatcaaatctagtcaaggac	vvi-miR169a *+10_mismatch probe
vvi miR-1286 nat as	gagacttgccataaaccaca	vvi-miR169y *-10_perfect match probe
vvi miR-1286 2mut as	gagacttgtcataaatcaca	vvi-miR169y *-10_mismatch probe
vvi miR-1287 nat as	aggtgccaaggagacttgcc	vvi-miR169y *0_perfect match probe
vvi miR-1287 2mut as	aggtgtcaagaagacttgcc	vvi-miR169y *0_mismatch probe

vvi miR-1288 nat as	gaggccatcaggtgccaag	vvi-miR169y *+10_perfect match
vvi miR-1288 2mut as	gaggtcatcaggtgtcaag	probe
vvi miR-1289 nat as	tgactaacctgcacgcaca	vvi-miR169y *+10_mismatch probe
vvi miR-1289 2mut as	tgactaacagtgcaccaca	vvi-miR169b *-10_perfect match
vvi miR-1290 nat as	gagccaaggatgactaacgg	probe
vvi miR-1290 2mut as	gagcaaaggatgcctaaccg	vvi-miR169b *-10_mismatch probe
vvi miR-1291 nat as	agggccaaatgagccaagga	vvi-miR169b *0_perfect match probe
vvi miR-1291 2mut as	aggggtcaaatagtcaagga	vvi-miR169b *0_mismatch probe
vvi miR-1292 nat as	aacttgccggattaacgagg	vvi-miR169b *+10_perfect match
vvi miR-1292 2mut as	aactgtcggattaagagg	probe
vvi miR-1293 nat as	agccaaggacaacttgccgg	vvi-miR169b *+10_mismatch probe
vvi miR-1293 2mut as	agccaagaacaacttcccgg	vvi-miR169c *-10_perfect match
vvi miR-1294 nat as	agcccaatgtagccaaggac	probe
vvi miR-1294 2mut as	agcccaaatgtagcaaggac	vvi-miR169c *-10_mismatch probe
vvi miR-1295 nat as	aacttgccagggttcaactat	vvi-miR169c *0_perfect match probe
vvi miR-1295 2mut as	aactgtcagtggttcaactat	vvi-miR169c *0_mismatch probe
vvi miR-1296 nat as	agccaaggacaacttgccag	vvi-miR169c *+10_perfect match
vvi miR-1296 2mut as	agccaagaacaacttcccag	probe
vvi miR-1297 nat as	aatcaaatgtagccaaggac	vvi-miR169c *+10_mismatch probe
vvi miR-1297 2mut as	aatcaaatctagcaaggac	vvi-miR169d *-10_perfect match
vvi miR-1298 nat as	tgactgcctggaacccaaac	probe
vvi miR-1298 2mut as	tgactgtctggaactcaaac	vvi-miR169d *-10_mismatch probe
vvi miR-1299 nat as	ttagccaagggtgactgcctg	vvi-miR169d *0_perfect match probe
vvi miR-1299 2mut as	ttagtcaagggtgactccctg	vvi-miR169d *0_mismatch probe
vvi miR-1300 nat as	gcctgtaaaattagccaagg	vvi-miR169d *+10_perfect match
		probe

vvi miR-1300 2mut as	gcctctaaaattagtagcaagg	vvi-miR169e *+10_mismatch probe vvi-miR169f *-10_perfect match probe
vvi miR-1301 nat as	acaacttgcccattattgat	vvi-miR169f *-10_mismatch probe
vvi miR-1301 2mut as	acaacttgcaattattgat	vvi-miR169f *0_perfect match probe
vvi miR-1302 nat as	gtagccaaacacaacttgcc	vvi-miR169f *0_mismatch probe
vvi miR-1302 2mut as	gtagtcaaaccacaacttgcc	vvi-miR169f *+10_perfect match probe
vvi miR-1303 nat as	agataaacatgtagccaaac	vvi-miR169f *+10_mismatch probe
vvi miR-1303 2mut as	agataaaaatgtagtcaaac	vvi-miR169g *-10_perfect match probe
vvi miR-1304 nat as	acaacttgccggcttcatca	vvi-miR169g *-10_mismatch probe
vvi miR-1304 2mut as	acaactgtgccttcatca	vvi-miR169g *0_perfect match probe
vvi miR-1305 nat as	gtagccaaagacaacttgcc	vvi-miR169g *0_mismatch probe
vvi miR-1305 2mut as	gtagtcaaagaaaacttgcc	vvi-miR169g *+10_perfect match probe
vvi miR-1306 nat as	aaagaagcatgtagccaaag	vvi-miR169g *+10_mismatch probe
vvi miR-1306 2mut as	aaagaagaatgtagtcaaag	vvi-miR169h *-10_perfect match probe
vvi miR-1307 nat as	taaccctccgtgctgacca	vvi-miR169h *-10_mismatch probe
vvi miR-1307 2mut as	taaccctcagtgagtgacca	vvi-miR169h *0_perfect match probe
vvi miR-1308 nat as	gagtcaaggataaccctccg	vvi-miR169h *0_mismatch probe
vvi miR-1308 2mut as	gagtcaagaataactctccg	vvi-miR169h *+10_perfect match probe
vvi miR-1309 nat as	ggagctaaaggagtcaagga	vvi-miR169h *+10_mismatch probe
vvi miR-1309 2mut as	ggagttaaagaagtcaagga	vvi-miR169i *-10_perfect match probe
vvi miR-1310 nat as	aaccagccgtgcatgaccag	vvi-miR169i *-10_mismatch probe
vvi miR-1310 2mut as	aaccagtcgtgaatgaccag	vvi-miR169i *0_perfect match probe
vvi miR-1311 nat as	agacagggataaccagccgt	vvi-miR169i *0_mismatch probe
vvi miR-1311 2mut as	agacagtgataaccacccgt	vvi-miR169i *+10_perfect match probe
vvi miR-1312 nat as	gagctaaaggagacagggat	vvi-miR169i *+10_mismatch probe
vvi miR-1312 2mut as	gagctaaagaagacacggat	vvi-miR169j *-10_perfect match
vvi miR-1313 nat as	aacctgccagggacacatg	

vvi miR-1313 2mut as	aacctgtcagtgacaccatg	probe
vvi miR-1314 nat as	agccaaggacaacctgccag	vvi-miR169j *-10_mismatch probe
vvi miR-1314 2mut as	agccaagaacaacctcccag	vvi-miR169j *0_perfect match probe
		vvi-miR169j *0_mismatch probe
		vvi-miR169j *+10_perfect match
vvi miR-1315 nat as	agcgaaaggtagccaaggac	probe
vvi miR-1315 2mut as	agcgaaagctagtcaaggac	vvi-miR169j *+10_mismatch probe
		vvi-miR169k *-10_perfect match
		probe
vvi miR-1316 nat as	aacctgccagggacaccatg	vvi-miR169k *-10_mismatch probe
vvi miR-1316 2mut as	aacctgtcagtgacaccatg	vvi-miR169k *0_perfect match probe
vvi miR-1317 nat as	agccaaggacaacctgccag	vvi-miR169k *0_mismatch probe
vvi miR-1317 2mut as	agccaagaacaacctcccag	vvi-miR169k *+10_perfect match
		probe
vvi miR-1318 nat as	aacgaaaggtagccaaggac	vvi-miR169k *+10_mismatch probe
vvi miR-1318 2mut as	aacgaaagctagtcaaggac	vvi-miR169l *-10_perfect match
		probe
vvi miR-1319 nat as	aactagccgtgcatgccag	vvi-miR169l *-10_mismatch probe
vvi miR-1319 2mut as	aactagtctgcatgtccag	vvi-miR169l *0_perfect match probe
vvi miR-1320 nat as	agccaagaataactagccgt	vvi-miR169l *0_mismatch probe
vvi miR-1320 2mut as	agccaacaataactaccgt	vvi-miR169l *+10_perfect match
		probe
vvi miR-1321 nat as	gggccaaatgagccaagaat	vvi-miR169l *+10_mismatch probe
vvi miR-1321 2mut as	gggc aaaatgagtcaagaat	vvi-miR169m *-10_perfect match
		probe
vvi miR-1322 nat as	tgcttgccagttatggccag	vvi-miR169m *-10_mismatch probe
vvi miR-1322 2mut as	tgcttgctcagttatgccag	vvi-miR169m *0_perfect match
		probe
vvi miR-1323 nat as	gagcctcggatgcttgccag	vvi-miR169m *0_mismatch probe
vvi miR-1323 2mut as	gagcctcagatgcttcccag	vvi-miR169m *+10_perfect match
		probe
vvi miR-1324 nat as	gggtgaaacagagcctcgga	vvi-miR169m *+10_mismatch probe
vvi miR-1324 2mut as	gggtgaaaaagagtctcgga	vvi-miR169n *-10_perfect match
		probe
vvi miR-1325 nat as	gccagttatgaccagttaaa	

vvi miR-1325 2mut as	gccagttataacaagttaa	vvi-miR169n *-10_mismatch probe
vvi miR-1326 nat as	tcagatgctgccagttatg	vvi-miR169n *0_perfect match probe
vvi miR-1326 2mut as	tcagatcctgtcagttatg	vvi-miR169n *0_mismatch probe
		vvi-miR169n *+10_perfect match probe
vvi miR-1327 nat as	aaatagagcctcagatgctt	vvi-miR169n *+10_mismatch probe
vvi miR-1327 2mut as	aaatagagtctccagatgctt	vvi-miR169o *-10_perfect match probe
		vvi-miR169o *-10_mismatch probe
vvi miR-1328 nat as	actcgtgtccatgcccagt	vvi-miR169o *0_perfect match probe
vvi miR-1328 2mut as	actccctgtccatgtccagt	vvi-miR169o *0_mismatch probe
vvi miR-1329 nat as	gccaagaataactcgtgtc	vvi-miR169o *+10_perfect match probe
vvi miR-1329 2mut as	gccaacaataactccctgtc	vvi-miR169o *+10_mismatch probe
		vvi-miR169o *-10_perfect match probe
vvi miR-1330 nat as	ggccgcatgagccaagaata	vvi-miR169p *-10_mismatch probe
vvi miR-1330 2mut as	ggccccatgagtcaagaata	vvi-miR169p *0_perfect match probe
		vvi-miR169p *0_mismatch probe
vvi miR-1331 nat as	tgcttgccagttatgccag	vvi-miR169p *+10_perfect match probe
vvi miR-1331 2mut as	tgcttgtcagttataccag	vvi-miR169p *+10_mismatch probe
vvi miR-1332 nat as	gagcctcggatgcttgccag	vvi-miR169q *-10_mismatch probe
vvi miR-1332 2mut as	gagcctcagatgcttcccag	vvi-miR169q *0_perfect match probe
		vvi-miR169q *0_mismatch probe
vvi miR-1333 nat as	gggtgaaacagagcctcgga	vvi-miR169q *+10_perfect match probe
vvi miR-1333 2mut as	gggtgaaaaagagtctcgga	vvi-miR169q *+10_mismatch probe
		vvi-miR169q *-10_perfect match probe
vvi miR-1334 nat as	tacatgccggctgttccagt	vvi-miR169q *-10_mismatch probe
vvi miR-1334 2mut as	tacatgccgctgttccagt	vvi-miR169q *0_perfect match probe
vvi miR-1335 nat as	gagccaggattacatgccgg	vvi-miR169q *0_mismatch probe
vvi miR-1335 2mut as	gagcaaggattacatcccgg	vvi-miR169q *+10_perfect match probe
		vvi-miR169q *+10_mismatch probe
vvi miR-1336 nat as	ggaccaaatagagccaggat	vvi-miR169r *-10_perfect match probe
vvi miR-1336 2mut as	ggacaaaatagagtccaggat	vvi-miR169r *-10_mismatch probe
		vvi-miR169r *0_perfect match probe
vvi miR-1337 nat as	caactgcccgttacacata	vvi-miR169r *-10_mismatch probe
vvi miR-1337 2mut as	caactgtcgttacacata	vvi-miR169r *0_perfect match probe
vvi miR-1338 nat as	tgagtcaagtcaactgccg	

vvi miR-1338 2mut as	tgagtcaagcaaacttgccg	vvi-miR169r *0_mismatch probe
vvi miR-1339 nat as	agggccaaactgagtcaagt	vvi-miR169r *+10_perfect match probe
vvi miR-1339 2mut as	agggtcaaactgagccaagt	vvi-miR169r *+10_mismatch probe
vvi miR-1340 nat as	aacttgccgggaagatgatc	vvi-miR169s *-10_perfect match probe
vvi miR-1340 2mut as	aactgtcggaaagatgatc	vvi-miR169s *-10_mismatch probe
vvi miR-1341 nat as	agccaggaacaacttgccgg	vvi-miR169s *0_perfect match probe
vvi miR-1341 2mut as	agccagaacaacttcccgg	vvi-miR169s *0_mismatch probe
vvi miR-1342 nat as	agcagaatgtagccaggaac	vvi-miR169s *+10_perfect match probe
vvi miR-1342 2mut as	agcagaatctagtcaggaac	vvi-miR169s *+10_mismatch probe
vvi miR-1343 nat as	caactgcccgttacacata	vvi-miR169t *-10_perfect match probe
vvi miR-1343 2mut as	caactgtcgttacacata	vvi-miR169t *-10_mismatch probe
vvi miR-1344 nat as	tgagtcaagtcaacttgccg	vvi-miR169t *0_perfect match probe
vvi miR-1344 2mut as	tgagtcaagcaaacttgccg	vvi-miR169t *0_mismatch probe
vvi miR-1345 nat as	agggccaaactgagtcaagt	vvi-miR169t *+10_perfect match probe
vvi miR-1345 2mut as	agggtcaaactgagccaagt	vvi-miR169t *+10_mismatch probe
vvi miR-1346 nat as	caactgcccgtaaacacata	vvi-miR169u *-10_perfect match probe
vvi miR-1346 2mut as	caactgtcgctaaacacata	vvi-miR169u *-10_mismatch probe
vvi miR-1347 nat as	agagtcaagtcaacttgccg	vvi-miR169u *0_perfect match probe
vvi miR-1347 2mut as	agagtcaagcaaacttgccg	vvi-miR169u *0_mismatch probe
vvi miR-1348 nat as	agggccaaacagagtcaagt	vvi-miR169u *+10_perfect match probe
vvi miR-1348 2mut as	agggtcaaacagagccaagt	vvi-miR169u *+10_mismatch probe
vvi miR-1349 nat as	aaattgccgatccatggaca	vvi-miR169v *-10_perfect match probe
vvi miR-1349 2mut as	aaattgtcgatccatcgaca	vvi-miR169v *-10_mismatch probe
vvi miR-1350 nat as	gccaagaaataaattgccga	vvi-miR169v *0_perfect match probe
vvi miR-1350 2mut as	gccaacaaataaattcccga	vvi-miR169v *0_mismatch probe
vvi miR-1351 nat as	gccaacatagccaagaagt	vvi-miR169v *+10_perfect match probe

vvi miR-1351 2mut as	gcccaaatagtcagaagaat	probe vvi-miR169v *+10_mismatch probe vvi-miR169w *-10_perfect match
vvi miR-1352 nat as	gactcgccgaccaccatfff	probe
vvi miR-1352 2mut as	gactccccgaccacaatfff	vvi-miR169w *-10_mismatch probe
vvi miR-1353 nat as	agctaagaatgactcgccga	vvi-miR169w *0_perfect match probe
vvi miR-1353 2mut as	agctaacaatgactccccga	vvi-miR169w *0_mismatch probe vvi-miR169w *+10_perfect match
vvi miR-1354 nat as	gcagaaatgtagctaagaat	probe
vvi miR-1354 2mut as	gcagaaatctagttaagaat	vvi-miR169w *+10_mismatch probe vvi-miR169x *-10_perfect match
vvi miR-1355 nat as	tgactgcctaagaccacgg	probe
vvi miR-1355 2mut as	tgactgtctaagacaacgg	vvi-miR169x *-10_mismatch probe
vvi miR-1356 nat as	gccgaaggaatgactgccta	vvi-miR169x *0_perfect match probe
vvi miR-1356 2mut as	gccgaagaaatgactcccta	vvi-miR169x *0_mismatch probe vvi-miR169x *+10_perfect match
vvi miR-1357 nat as	ggtcagtttagccgaaggaa	probe
vvi miR-1357 2mut as	ggtcaggtttagtcgaaggaa	vvi-miR169x *+10_mismatch probe vvi-miR171a *-10_perfect match
vvi miR-1358 nat as	caatatcatgttcaatac	probe
vvi miR-1358 2mut as	caatataatcttcaatac	vvi-miR171a *-10_mismatch probe
vvi miR-1359 nat as	tgagccgtgccaatatcatg	vvi-miR171a *0_perfect match probe
vvi miR-1359 2mut as	tgagccgtgtaaataatcatg	vvi-miR171a *0_mismatch probe vvi-miR171a *+10_perfect match
vvi miR-1360 nat as	ttaatctgattgagccgtgc	probe
vvi miR-1360 2mut as	ttaatccgattgagtcgtgc	vvi-miR171a *+10_mismatch probe vvi-miR171b *-10_perfect match
vvi miR-1361 nat as	cgccaataacctccccca	probe
vvi miR-1361 2mut as	cgccaatatctctccca	vvi-miR171b *-10_mismatch probe
vvi miR-1362 nat as	aattgaggcacgccaatacc	vvi-miR171b *0_perfect match probe
vvi miR-1362 2mut as	aattgagccacccaatacc	vvi-miR171b *0_mismatch probe vvi-miR171b *+10_perfect match
vvi miR-1363 nat as	catgtctttaaattgaggca	probe
vvi miR-1363 2mut as	catgcctttaaattaaggca	vvi-miR171b *+10_mismatch probe

vvi miR-1364 nat as	caatateccgtaatacca	vvi-miR171c *-10_perfect match probe
vvi miR-1364 2mut as	caatateccactaatacca	vvi-miR171c *-10_mismatch probe
vvi miR-1365 nat as	tgaaccgcaccaatateccg	vvi-miR171c *0_perfect match probe
vvi miR-1365 2mut as	tgaaccccacaaatateccg	vvi-miR171c *0_mismatch probe
		vvi-miR171c *+10_perfect match probe
vvi miR-1366 nat as	gctttcttattgaaccgcac	vvi-miR171c *+10_mismatch probe
vvi miR-1366 2mut as	gcttttttattgaacgcac	vvi-miR171d *-10_perfect match probe
		vvi-miR171d *-10_mismatch probe
vvi miR-1367 nat as	caatatctcgtgtatcta	vvi-miR171d *0_perfect match probe
vvi miR-1367 2mut as	caatatctactgtatcta	vvi-miR171d *0_mismatch probe
vvi miR-1368 nat as	tgaaccgtatcaatatctcg	vvi-miR171d *+10_perfect match probe
vvi miR-1368 2mut as	tgaacagtataaatatctcg	vvi-miR171d *+10_mismatch probe
		vvi-miR171e *-10_perfect match probe
vvi miR-1369 nat as	gctttctaattgaaccgat	vvi-miR171e *-10_mismatch probe
vvi miR-1369 2mut as	gctttttaattgaacgat	vvi-miR171e *0_perfect match probe
		vvi-miR171e *0_mismatch probe
vvi miR-1370 nat as	caccaacategcttacttcc	vvi-miR171e *+10_perfect match probe
vvi miR-1370 2mut as	caccaacataccttacttcc	vvi-miR171e *+10_mismatch probe
vvi miR-1371 nat as	gattgaacctcaccaacatc	vvi-miR171f *-10_perfect match probe
vvi miR-1371 2mut as	gattgaatctcacaacatc	vvi-miR171f *-10_mismatch probe
		vvi-miR171f *0_perfect match probe
vvi miR-1372 nat as	tccgtcttcggattgaacct	vvi-miR171f *0_mismatch probe
vvi miR-1372 2mut as	tccgtcttcaaattgaacct	vvi-miR171f *+10_perfect match probe
		vvi-miR171f *+10_mismatch probe
vvi miR-1373 nat as	caacategctttcttcaa	vvi-miR171f *-10_perfect match probe
vvi miR-1373 2mut as	caacatecccttttcaa	vvi-miR171f *-10_mismatch probe
vvi miR-1374 nat as	tgaacctcaccaacategct	vvi-miR171f *0_perfect match probe
vvi miR-1374 2mut as	tgaacctcataaacategct	vvi-miR171f *0_mismatch probe
		vvi-miR171f *+10_perfect match probe
vvi miR-1375 nat as	atcttcagattgaacctcac	vvi-miR171f *+10_mismatch probe
vvi miR-1375 2mut as	atcttccgattgaatctcac	vvi-miR171g *-10_perfect match probe
		vvi-miR171g *-10_mismatch probe
vvi miR-1376 nat as	gaaccaacatggagaggctg	

vvi miR-1376 2mut as	gaacaaacatcgagaggctg	vvi-miR171g *-10_mismatch probe
vvi miR-1377 nat as	cccaccgatggaaccaacat	vvi-miR171g *0_perfect match probe
vvi miR-1377 2mut as	cccacagatggaacaaacat	vvi-miR171g *0_mismatch probe
vvi miR-1378 nat as	gttggtgtccccaccgatg	vvi-miR171g *+10_perfect match probe
vvi miR-1378 2mut as	gttggtgtctcccacagatg	vvi-miR171g *+10_mismatch probe
vvi miR-1379 nat as	caccaacatctcgtgaaa	vvi-miR171h *-10_perfect match probe
vvi miR-1379 2mut as	caccaaactctcctgaaa	vvi-miR171h *-10_mismatch probe
vvi miR-1380 nat as	ggttgaaccgcaccaacatc	vvi-miR171h *0_perfect match probe
vvi miR-1380 2mut as	ggttgaaccaaccaacatc	vvi-miR171h *0_mismatch probe
vvi miR-1381 nat as	actacagttaggttgaaccg	vvi-miR171h *+10_perfect match probe
vvi miR-1381 2mut as	actaaagttagcttgaaccg	vvi-miR171h *+10_mismatch probe
vvi miR-1382 nat as	caacatccccaccttcttc	vvi-miR171i *-10_perfect match probe
vvi miR-1382 2mut as	caacatcctcatcttcttc	vvi-miR171i *-10_mismatch probe
vvi miR-1383 nat as	tgagccattccaacatcccc	vvi-miR171i *0_perfect match probe
vvi miR-1383 2mut as	tgagtcattcaaacatcccc	vvi-miR171i *0_mismatch probe
vvi miR-1384 nat as	ttgatttgattgagccatc	vvi-miR171i *+10_perfect match probe
vvi miR-1384 2mut as	ttgatttaattgagtcattc	vvi-miR171i *+10_mismatch probe
vvi miR-1385 nat as	gatgctgcatcggaata	vvi-miR172a *-10_perfect match probe
vvi miR-1385 2mut as	gatgctgaatcggaata	vvi-miR172a *-10_mismatch probe
vvi miR-1386 nat as	gaatcttgatgatgctgcat	vvi-miR172a *0_perfect match probe
vvi miR-1386 2mut as	gaatcttaatgatcctgcat	vvi-miR172a *0_mismatch probe
vvi miR-1387 nat as	tcaaggatgagaatcttgat	vvi-miR172a *+10_perfect match probe
vvi miR-1387 2mut as	tcaagaatgagaatcttgat	vvi-miR172a *+10_mismatch probe
vvi miR-1388 nat as	tgatgctgcatcggaata	vvi-miR172b *-10_perfect match probe
vvi miR-1388 2mut as	tgatgctgaatcggaata	vvi-miR172b *-10_mismatch probe
vvi miR-1389 nat as	agaatcttgatgatgctgca	vvi-miR172b *0_perfect match probe

vvi miR-1389 2mut as	agaatcttaatgatcctgca	vvi-miR172b *0_mismatch probe vvi-miR172b *+10_perfect match probe
vvi miR-1390 nat as vvi miR-1390 2mut as	ttgggggtgagaatcttga ttgggtgtgcgaatcttga	vvi-miR172b *+10_mismatch probe vvi-miR172c *-10_perfect match probe
vvi miR-1391 nat as vvi miR-1391 2mut as vvi miR-1392 nat as vvi miR-1392 2mut as	tgatgctccatccgcaaac tgatcctccatcccaaac tgaatcttgatgatgctcca tgaatcttaatgatcctcca	vvi-miR172c *-10_mismatch probe vvi-miR172c *0_perfect match probe vvi-miR172c *0_mismatch probe vvi-miR172c *+10_perfect match probe
vvi miR-1393 nat as vvi miR-1393 2mut as	tcaatacttgtaatcttga tcaatactccgaatcttga	vvi-miR172c *+10_mismatch probe vvi-miR172d *-10_perfect match probe
vvi miR-1394 nat as vvi miR-1394 2mut as vvi miR-1395 nat as vvi miR-1395 2mut as	gatgctgcatcagctaac gatgctgaatcagttaac gaatcttgatgatgctgcat gaatcttaatgatcctgcat	vvi-miR172d *-10_mismatch probe vvi-miR172d *0_perfect match probe vvi-miR172d *0_mismatch probe vvi-miR172d *+10_perfect match probe
vvi miR-1396 nat as vvi miR-1396 2mut as	cattgggtgtgaatcttgat cattgtgtgtaaacttgat	vvi-miR172d *+10_mismatch probe vvi-miR319b *-10_perfect match probe
vvi miR-1397 nat as vvi miR-1397 2mut as vvi miR-1398 nat as vvi miR-1398 2mut as	agagagctccttctccaca agagagttccttctccaca actggactaaagagagctcc actgaactaaagagacctcc	vvi-miR319b *-10_mismatch probe vvi-miR319b *0_perfect match probe vvi-miR319b *0_mismatch probe vvi-miR319b *+10_perfect match probe
vvi miR-1399 nat as vvi miR-1399 2mut as	gctgtctcggactggactaa gctgtctcagactcgactaa	vvi-miR319b *+10_mismatch probe vvi-miR319c *-10_perfect match probe
vvi miR-1400 nat as vvi miR-1400 2mut as vvi miR-1401 nat as vvi miR-1401 2mut as vvi miR-1402 nat as	gaaagctctcttcaatgtaa gaaagttctcttaaatgtaa gtggactgaagaaagctctc gtggcctgaagaaagtctc ccacccatgagtgactgtaa	vvi-miR319c *-10_mismatch probe vvi-miR319c *0_perfect match probe vvi-miR319c *0_mismatch probe vvi-miR319c *+10_perfect match probe

vvi miR-1402 2mut as	ccactcatgagtcgactgaa	probe vvi-miR319c *+10_mismatch probe vvi-miR319e *-10_perfect match probe
vvi miR-1403 nat as	aggaacccccatttctgca	
vvi miR-1403 2mut as	aggaaccctcatttttgca	vvi-miR319e *-10_mismatch probe
vvi miR-1404 nat as	tgggctgcaaaggaaccccc	vvi-miR319e *0_perfect match probe
vvi miR-1404 2mut as	tgggctgaaaaggaatcccc	vvi-miR319e *0_mismatch probe vvi-miR319e *+10_perfect match probe
vvi miR-1405 nat as	ggagttgttttgggctgcaa	vvi-miR319e *+10_mismatch probe
vvi miR-1405 2mut as	ggagttcttttggcctgcaa	vvi-miR319f *-10_perfect match probe
vvi miR-1406 nat as	ggaagctctcttaaaccact	vvi-miR319f *-10_mismatch probe
vvi miR-1406 2mut as	ggaagttctcttaaact	vvi-miR319f *0_perfect match probe
vvi miR-1407 nat as	gtggactgaaggaagctctc	vvi-miR319f *0_mismatch probe
vvi miR-1407 2mut as	gtggcctgaaggaagtctc	vvi-miR319f *+10_perfect match probe
vvi miR-1408 nat as	ccatccatgagtgactgaa	vvi-miR319f *+10_mismatch probe
vvi miR-1408 2mut as	ccatcaatgagtcgactgaa	vvi-miR319g *-10_perfect match probe
vvi miR-1409 nat as	aaaggagctcttcagctgtt	vvi-miR319g *-10_mismatch probe
vvi miR-1409 2mut as	aaaggagtctcttcagttgtt	vvi-miR319g *0_perfect match probe
vvi miR-1410 nat as	tattggactaaaaggagctc	vvi-miR319g *0_mismatch probe
vvi miR-1410 2mut as	tattcgactaaaagaagctc	vvi-miR319g *+10_perfect match probe
vvi miR-1411 nat as	cagccctctttattggacta	vvi-miR319g *+10_mismatch probe
vvi miR-1411 2mut as	cagctctctttattcgacta	vvi-miR390 *-10_perfect match probe
vvi miR-1412 nat as	agatagcgccacacacacaaa	vvi-miR390 *-10_mismatch probe
vvi miR-1412 2mut as	agatagccccacaccacaaa	vvi-miR390 *0_perfect match probe
vvi miR-1413 nat as	aactcaggatagatagcgcc	vvi-miR390 *0_mismatch probe
vvi miR-1413 2mut as	aactcagaatagataccgcc	vvi-miR390 *+10_perfect match probe
vvi miR-1414 nat as	gaaccggtgaaactcaggat	vvi-miR390 *+10_mismatch probe
vvi miR-1414 2mut as	gaaccagtgaaactccggt	

vvi miR-1415 nat as	agcatgatccaatgggaaaa	vvi-miR393a *-10_perfect match probe
vvi miR-1415 2mut as	agcatgatcaaatgtgaaaa	vvi-miR393a *-10_mismatch probe
vvi miR-1416 nat as	cctaagggatagcatgatcc	vvi-miR393a *0_perfect match probe
vvi miR-1416 2mut as	cctaagtgatagaatgatcc	vvi-miR393a *0_mismatch probe
vvi miR-1417 nat as	atggagagttcctaagggat	vvi-miR393a *+10_perfect match probe
vvi miR-1417 2mut as	atggagactttctaagggat	vvi-miR393a *+10_mismatch probe
vvi miR-1418 nat as	agcatgatccaaagacatgg	vvi-miR393b *-10_perfect match probe
vvi miR-1418 2mut as	agcatgatcaaaagaaatgg	vvi-miR393b *-10_mismatch probe
vvi miR-1419 nat as	ccaaagggatagcatgatcc	vvi-miR393b *0_perfect match probe
vvi miR-1419 2mut as	ccaaagtgatagaatgatcc	vvi-miR393b *0_mismatch probe
vvi miR-1420 nat as	aaggaggaatccaaagggat	vvi-miR393b *+10_perfect match probe
vvi miR-1420 2mut as	aaggagaaatccaaagggat	vvi-miR393b *+10_mismatch probe
vvi miR-1421 nat as	ggccacctccaaaagaatat	vvi-miR394a *-10_perfect match probe
vvi miR-1421 2mut as	ggccacctcaaaaacaatat	vvi-miR394a *-10_mismatch probe
vvi miR-1422 nat as	cagagccactttggcatgct	vvi-miR394a *+10_perfect match probe
vvi miR-1422 2mut as	cagagtcactttgccatgct	vvi-miR394a *+10_mismatch probe
vvi miR-1423 nat as	gcccacctccacagagagaa	vvi-miR394b *-10_perfect match probe
vvi miR-1423 2mut as	gcccacctcaccagagagaa	vvi-miR394b *-10_mismatch probe
vvi miR-1424 nat as	cagagcttggtggcagtat	vvi-miR394b *+10_perfect match probe
vvi miR-1424 2mut as	cagagtttggtgccagtat	vvi-miR394b *+10_mismatch probe
vvi miR-1425 nat as	ggccgcctccaaacgcttgt	vvi-miR394c *-10_perfect match probe
vvi miR-1425 2mut as	ggccccctccaaaccttgt	vvi-miR394c *-10_mismatch probe
vvi miR-1426 nat as	cagagccaatttggcatcct	vvi-miR394c *+10_perfect match probe
vvi miR-1426 2mut as	cagagtcaatttggcatcct	vvi-miR394c *+10_mismatch probe

vvi miR-1427 nat as	aagggaactctaggggac	vvi-miR395a *-10_perfect match probe
vvi miR-1427 2mut as	aaggaaactctagtggac	vvi-miR395a *-10_mismatch probe
vvi miR-1428 nat as	tgaagtgatcaagggaacte	vvi-miR395a *0_perfect match probe
vvi miR-1428 2mut as	tgaagcgatcaagtgaacte	vvi-miR395a *0_mismatch probe
		vvi-miR395a *+10_perfect match probe
vvi miR-1429 nat as	agctccctagtgaagtgatc	vvi-miR395a *+10_mismatch probe
vvi miR-1429 2mut as	agctctctagtgaagcgatc	vvi-miR395b *-10_perfect match probe
		vvi-miR395b *-10_mismatch probe
vvi miR-1430 nat as	aggggaactctaggggac	vvi-miR395b *0_perfect match probe
vvi miR-1430 2mut as	agggaaactctagtggac	vvi-miR395b *0_mismatch probe
vvi miR-1431 nat as	tgaagtggtaaggggaacte	vvi-miR395b *+10_perfect match probe
vvi miR-1431 2mut as	tgaagtcgtaaggtgaacte	vvi-miR395b *+10_mismatch probe
		vvi-miR395c *-10_perfect match probe
vvi miR-1432 nat as	agatccccagtgaagtggta	vvi-miR395c *-10_mismatch probe
vvi miR-1432 2mut as	agatcctcagtgaagcggta	vvi-miR395c *0_perfect match probe
		vvi-miR395c *0_mismatch probe
vvi miR-1433 nat as	aagggaactctaggggac	vvi-miR395c *+10_perfect match probe
vvi miR-1433 2mut as	aaggaaactctagtggac	vvi-miR395c *+10_mismatch probe
vvi miR-1434 nat as	tgaagtggcgaagggaacte	vvi-miR395d *-10_perfect match probe
vvi miR-1434 2mut as	tgaagtcgcaagtgaacte	vvi-miR395d *-10_mismatch probe
		vvi-miR395d *0_perfect match probe
vvi miR-1435 nat as	aggtccccagtgaagtggtc	vvi-miR395d *0_mismatch probe
vvi miR-1435 2mut as	aggtcctcagtgaagcggtc	vvi-miR395d *+10_perfect match probe
		vvi-miR395d *+10_mismatch probe
vvi miR-1436 nat as	aggggaactctagggggc	vvi-miR395e *-10_perfect match probe
vvi miR-1436 2mut as	agggaaactctagtgggc	
vvi miR-1437 nat as	tgaagtggcaggggaacte	
vvi miR-1437 2mut as	tgaagtcgcaaggtgaacte	
vvi miR-1438 nat as	agatcccaatgaagtggtc	
vvi miR-1438 2mut as	agatcctcaatgaagcggtc	
vvi miR-1439 nat as	aagggaactctaggggag	

vvi miR-1439 2mut as	aaggaaactctagtgag	vvi-miR395e *-10_mismatch probe
vvi miR-1440 nat as	tgaagtggcaagggaact	vvi-miR395e *0_perfect match probe
vvi miR-1440 2mut as	tgaagtcgtcaagtgaact	vvi-miR395e *0_mismatch probe
		vvi-miR395e *+10_perfect match probe
vvi miR-1441 nat as	aggtccccagtggaagggtc	vvi-miR395e *+10_mismatch probe
vvi miR-1441 2mut as	aggtcctcagtggaagcggtc	vvi-miR395f *-10_perfect match probe
		vvi-miR395f *-10_mismatch probe
vvi miR-1442 nat as	aggggaactctaggggtac	vvi-miR395f *0_perfect match probe
vvi miR-1442 2mut as	agggaaactctagtgac	vvi-miR395f *0_mismatch probe
vvi miR-1443 nat as	tgaagtggcaggggaact	vvi-miR395f *+10_perfect match probe
vvi miR-1443 2mut as	tgaagtcgtcagtggaact	vvi-miR395f *+10_mismatch probe
		vvi-miR395f *+10_perfect match probe
vvi miR-1444 nat as	agatccccagtggaagggtc	vvi-miR395g *-10_mismatch probe
vvi miR-1444 2mut as	agatcctcagtggaagcggtc	vvi-miR395g *0_perfect match probe
		vvi-miR395g *0_mismatch probe
vvi miR-1445 nat as	aggggaactctaggggac	vvi-miR395g *+10_perfect match probe
vvi miR-1445 2mut as	agggaaactctagtgac	vvi-miR395g *+10_mismatch probe
vvi miR-1446 nat as	tgaagtgctcaggggaact	vvi-miR395h *-10_mismatch probe
vvi miR-1446 2mut as	tgaagtcctcagtggaact	vvi-miR395h *0_perfect match probe
		vvi-miR395h *0_mismatch probe
vvi miR-1447 nat as	ggatccccaatgaagtgctc	vvi-miR395h *+10_perfect match probe
vvi miR-1447 2mut as	ggatcctcaatgaagcgctc	vvi-miR395h *+10_mismatch probe
		vvi-miR395i *-10_mismatch probe
vvi miR-1448 nat as	aagggaactctaggggac	vvi-miR395i *0_perfect match probe
vvi miR-1448 2mut as	aaggaaactctagtgac	vvi-miR395i *0_mismatch probe
vvi miR-1449 nat as	tgaagtggcaagggaact	vvi-miR395i *+10_perfect match probe
vvi miR-1449 2mut as	tgaagtcgtcaagtgaact	vvi-miR395i *+10_mismatch probe
		vvi-miR395i *+10_perfect match probe
vvi miR-1450 nat as	aggtccccagtggaagggtc	vvi-miR395i *-10_mismatch probe
vvi miR-1450 2mut as	aggtcctcagtggaagcggtc	vvi-miR395i *0_perfect match probe
		vvi-miR395i *0_mismatch probe
vvi miR-1451 nat as	aggggaactctagggggc	vvi-miR395i *-10_mismatch probe
vvi miR-1451 2mut as	agggaaactctagtgac	vvi-miR395i *0_perfect match probe
vvi miR-1452 nat as	tgaagtggcaggggaact	

vvi miR-1452 2mut as	tgaagtcgctcaggtgaactc	vvi-miR395i *0_mismatch probe vvi-miR395i *+10_perfect match probe
vvi miR-1453 nat as	agatccccagtggaagtgggc	vvi-miR395i *+10_mismatch probe
vvi miR-1453 2mut as	agatcctcagtggaagcgggc	vvi-miR395j *-10_perfect match probe
vvi miR-1454 nat as	aggggaactctaggggggc	vvi-miR395j *-10_mismatch probe
vvi miR-1454 2mut as	agggaaactctagtgggc	vvi-miR395j *0_perfect match probe
vvi miR-1455 nat as	tgaagtggctcaggggaactc	vvi-miR395j *0_mismatch probe
vvi miR-1455 2mut as	tgaagtcgctcaggtgaactc	vvi-miR395j *+10_perfect match probe
vvi miR-1456 nat as	agatccccagtggaagtgggc	vvi-miR395j *+10_mismatch probe
vvi miR-1456 2mut as	agatcctcagtggaagcgggc	vvi-miR395k *-10_perfect match probe
vvi miR-1457 nat as	aagggaactctaggggga	vvi-miR395k *-10_mismatch probe
vvi miR-1457 2mut as	aaggaaactctacggga	vvi-miR395k *0_perfect match probe
vvi miR-1458 nat as	tgaagtggctcaagggaactc	vvi-miR395k *0_mismatch probe
vvi miR-1458 2mut as	tgaagtcgtcaagtgaactc	vvi-miR395k *+10_perfect match probe
vvi miR-1459 nat as	aggtccccagtggaagtgggc	vvi-miR395k *+10_mismatch probe
vvi miR-1459 2mut as	aggtcctcagtggaagcgggc	vvi-miR395l *-10_perfect match probe
vvi miR-1460 nat as	aggggaactctaggggggc	vvi-miR395l *-10_mismatch probe
vvi miR-1460 2mut as	agggaaactctagtgggc	vvi-miR395l *0_perfect match probe
vvi miR-1461 nat as	tgaagtggctcaggggaactc	vvi-miR395l *0_mismatch probe
vvi miR-1461 2mut as	tgaagtcgctcaggtgaactc	vvi-miR395l *+10_perfect match probe
vvi miR-1462 nat as	gatccccagtggaagtgggc	vvi-miR395l *+10_mismatch probe
vvi miR-1462 2mut as	gatccctcagtggaagcgggc	vvi-miR395m *-10_perfect match probe
vvi miR-1463 nat as	aagggaactctaggggac	vvi-miR395m *-10_mismatch probe
vvi miR-1463 2mut as	aaggaaactctagtggac	vvi-miR395m *0_perfect match probe
vvi miR-1464 nat as	tgaagtgttcaagggaactc	vvi-miR395m *0_mismatch probe
vvi miR-1464 2mut as	tgaagcgttcaagtgaactc	

vvi miR-1465 nat as	aggtccccagtgaagtgttc	vvi-miR395m *+10_perfect match
vvi miR-1465 2mut as	aggtcctcagtgaagcggtc	probe
		vvi-miR395m *+10_mismatch probe
		vvi-miR395n *-10_perfect match
		probe
vvi miR-1466 nat as	gggggaactctcaaggcc	vvi-miR395n *-10_mismatch probe
vvi miR-1466 2mut as	ggggaaactctaaaggcc	vvi-miR395n *0_perfect match probe
vvi miR-1467 nat as	tggaggggtgggggaactc	vvi-miR395n *0_mismatch probe
vvi miR-1467 2mut as	tggaggtgttggtgaactc	vvi-miR395n *+10_perfect match
		probe
vvi miR-1468 nat as	atggtcactggaggggtt	vvi-miR395n *+10_mismatch probe
vvi miR-1468 2mut as	atggccactggagtggtt	vvi-miR396a *-10_perfect match
		probe
vvi miR-1469 nat as	ttctgaactacttttccat	vvi-miR396a *-10_mismatch probe
vvi miR-1469 2mut as	ttcttaaactattttccat	vvi-miR396a *0_perfect match probe
vvi miR-1470 nat as	tccacagctttcttgaact	vvi-miR396a *0_mismatch probe
vvi miR-1470 2mut as	tccacagttttcttaaact	vvi-miR396a *+10_perfect match
		probe
vvi miR-1471 nat as	tgatcatgctttccacagct	vvi-miR396a *+10_mismatch probe
vvi miR-1471 2mut as	tgatcatcctttcaacagct	vvi-miR396b *-10_perfect match
		probe
vvi miR-1472 nat as	tcttgaacttcttctcctg	vvi-miR396b *-10_mismatch probe
vvi miR-1472 2mut as	tcttaaacttcttctcctg	vvi-miR396b *0_perfect match probe
vvi miR-1473 nat as	tccacagctttcttgaactt	vvi-miR396b *0_mismatch probe
vvi miR-1473 2mut as	tccacagttttcttaaactt	vvi-miR396b *+10_perfect match
		probe
vvi miR-1474 nat as	gccatgctttccacagctt	vvi-miR396b *+10_mismatch probe
vvi miR-1474 2mut as	gccatcctttcaacagctt	vvi-miR396c *-10_perfect match
		probe
vvi miR-1475 nat as	tctgagctgttggtgaac	vvi-miR396c *-10_mismatch probe
vvi miR-1475 2mut as	tctgagttgttggtgaac	vvi-miR396c *0_perfect match probe
vvi miR-1476 nat as	tccacaactttctgagctg	vvi-miR396c *0_mismatch probe
vvi miR-1476 2mut as	tccaaaactttctgagctg	vvi-miR396c *+10_perfect match
		probe
vvi miR-1477 nat as	tcagtaatgtccacaactt	

vvi miR-1477 2mut as	tcagtaatcttcaacaactt	vvi-miR396c *+10_mismatch probe vvi-miR396d *-10_perfect match probe
vvi miR-1478 nat as	tattgaaccgcaactgttac	vvi-miR396d *-10_mismatch probe
vvi miR-1478 2mut as	tattgaacccaaactgttac	vvi-miR396d *0_perfect match probe
vvi miR-1479 nat as	cccacagctttattgaaccg	vvi-miR396d *0_mismatch probe
vvi miR-1479 2mut as	cccacagttttattaaaccg	vvi-miR396d *+10_perfect match probe
vvi miR-1480 nat as	ttggtatcttcccacagctt	vvi-miR396d *+10_mismatch probe
vvi miR-1480 2mut as	ttggtattttctcacagctt	vvi-miR397a *-10_perfect match probe
vvi miR-1481 nat as	agcgccaatggaatcaacca	vvi-miR397a *-10_mismatch probe
vvi miR-1481 2mut as	agcgtcaatgaaatcaacca	vvi-miR397a *0_perfect match probe
vvi miR-1482 nat as	gattgagtgcagcgccaatg	vvi-miR397a *0_mismatch probe
vvi miR-1482 2mut as	gattgagtgaagccccaatg	vvi-miR397a *+10_perfect match probe
vvi miR-1483 nat as	gacatgattgagtgc	vvi-miR397a *+10_mismatch probe
vvi miR-1483 2mut as	gacataattaagtgc	vvi-miR397b *-10_perfect match probe
vvi miR-1484 nat as	agcgccaatggaatcaacca	vvi-miR397b *-10_mismatch probe
vvi miR-1484 2mut as	agcgtcaatgaaatcaacca	vvi-miR397b *0_perfect match probe
vvi miR-1485 nat as	gattgagtgcagcgccaatg	vvi-miR397b *0_mismatch probe
vvi miR-1485 2mut as	gattgagtgaagccccaatg	vvi-miR397b *+10_perfect match probe
vvi miR-1486 nat as	gacatgattgagtgc	vvi-miR397b *+10_mismatch probe
vvi miR-1486 2mut as	gacataattaagtgc	vvi-miR398a *-10_perfect match probe
vvi miR-1487 nat as	gccactcccttgggggtgt	vvi-miR398a *-10_mismatch probe
vvi miR-1487 2mut as	gccactctcttgggtgtgt	vvi-miR398a *0_perfect match probe
vvi miR-1488 nat as	gttctcaggtgccactccct	vvi-miR398a *0_mismatch probe
vvi miR-1488 2mut as	gttctcagctgtcactccct	vvi-miR398a *+10_perfect match probe
vvi miR-1489 nat as	cacaaccggtgttctcaggt	vvi-miR398a *+10_mismatch probe
vvi miR-1489 2mut as	cacaaccagtcttctcaggt	vvi-miR398b *-10_perfect match
vvi miR-1490 nat as	gtcacacctgtaggacac	

vvi miR-1490 2mut as	gtcacatctgtagaacac	probe
vvi miR-1491 nat as	tgatttcagggtcacacctg	vvi-miR398b *-10_mismatch probe
vvi miR-1491 2mut as	tgatttcacctcacacctg	vvi-miR398b *0_perfect match probe
		vvi-miR398b *0_mismatch probe
		vvi-miR398b *+10_perfect match probe
vvi miR-1492 nat as	tgcgggcatgtgattctcag	vvi-miR398b *+10_mismatch probe
vvi miR-1492 2mut as	tgcggccatgcgattctcag	vvi-miR398c *-10_perfect match probe
		vvi-miR398c *-10_mismatch probe
vvi miR-1493 nat as	gtcactcctgtaggacac	vvi-miR398c *0_perfect match probe
vvi miR-1493 2mut as	gtcacttctgtagaacac	vvi-miR398c *0_mismatch probe
vvi miR-1494 nat as	tgatttcagggtcactcctg	vvi-miR398c *+10_perfect match probe
vvi miR-1494 2mut as	tgatttcacctcactcctg	vvi-miR398c *+10_mismatch probe
		vvi-miR398c *+10_perfect match probe
vvi miR-1495 nat as	tgcgggcatgtgattctcag	vvi-miR398c *+10_mismatch probe
vvi miR-1495 2mut as	tgcggccatgcgattctcag	vvi-miR399a *-10_perfect match probe
		vvi-miR399a *-10_mismatch probe
vvi miR-1496 nat as	aatcacactgttattctc	vvi-miR399a *0_perfect match probe
vvi miR-1496 2mut as	aatcacctcttattctc	vvi-miR399a *0_mismatch probe
vvi miR-1497 nat as	gccaaaggagaatcacactg	vvi-miR399a *+10_perfect match probe
vvi miR-1497 2mut as	gccaaagaagaatcccactg	vvi-miR399a *+10_mismatch probe
		vvi-miR399a *+10_perfect match probe
vvi miR-1498 nat as	tgatatctctgccaaaggag	vvi-miR399b *-10_perfect match probe
vvi miR-1498 2mut as	tgatatctccgtcaaaggag	vvi-miR399b *-10_mismatch probe
		vvi-miR399b *0_perfect match probe
vvi miR-1499 nat as	aggtgccctatgattgat	vvi-miR399b *0_mismatch probe
vvi miR-1499 2mut as	aggtgtcctataattgat	vvi-miR399b *+10_perfect match probe
vvi miR-1500 nat as	gccaaagaagaggtgcccta	vvi-miR399b *+10_mismatch probe
vvi miR-1500 2mut as	gccaaagaacaggtgtccta	vvi-miR399b *+10_perfect match probe
		vvi-miR399b *+10_mismatch probe
vvi miR-1501 nat as	gccagtgcctgccaaagaag	vvi-miR399c *-10_perfect match probe
vvi miR-1501 2mut as	gccagtgtctgtcaagaag	vvi-miR399c *-10_mismatch probe
		vvi-miR399c *-10_perfect match probe
vvi miR-1502 nat as	agaggccctgagaccggt	vvi-miR399c *-10_mismatch probe
vvi miR-1502 2mut as	agaggctctgagatcggt	

vvi miR-1503 nat as	accaagtgaaagaggccctg	vvi-miR399c *0_perfect match probe
vvi miR-1503 2mut as	accaagcgaaagaggtcctg	vvi-miR399c *0_mismatch probe
vvi miR-1504 nat as	tatgtcacctaccaagtgaa	vvi-miR399c *+10_perfect match probe
vvi miR-1504 2mut as	tatgtcatctacaagtgaa	vvi-miR399c *+10_mismatch probe
vvi miR-1505 nat as	aaatctgctctataatttac	vvi-miR399d *-10_perfect match probe
vvi miR-1505 2mut as	aaatctctccataatttac	vvi-miR399d *-10_mismatch probe
vvi miR-1506 nat as	ctgcaaaaagaaatctgctc	vvi-miR399d *0_perfect match probe
vvi miR-1506 2mut as	ctgcaaaaagaaatccgctc	vvi-miR399d *0_mismatch probe
vvi miR-1507 nat as	tgatcgccatctgcaaaaag	vvi-miR399d *+10_perfect match probe
vvi miR-1507 2mut as	tgatccccatctgtcaaaaag	vvi-miR399d *+10_mismatch probe
vvi miR-1508 nat as	taatttgccctgtaatatgc	vvi-miR399e *-10_perfect match probe
vvi miR-1508 2mut as	taattgtcctctaatatgc	vvi-miR399e *-10_mismatch probe
vvi miR-1509 nat as	tgcaaaaagataattgccc	vvi-miR399e *0_perfect match probe
vvi miR-1509 2mut as	tgcaaaaacataattgccc	vvi-miR399e *0_mismatch probe
vvi miR-1510 nat as	agtggctgcctgcaaaaaga	vvi-miR399e *+10_perfect match probe
vvi miR-1510 2mut as	agtggctgtctgtcaaaaaga	vvi-miR399e *+10_mismatch probe
vvi miR-1511 nat as	ccctctaataatgcaac	vvi-miR399f *-10_perfect match probe
vvi miR-1511 2mut as	ccctttaatccaac	vvi-miR399f *-10_mismatch probe
vvi miR-1512 nat as	gcagatttgccctctaataatg	vvi-miR399f *0_perfect match probe
vvi miR-1512 2mut as	gcagatttgctcctctaataatg	vvi-miR399f *0_mismatch probe
vvi miR-1513 nat as	tcatgcaaaagcagatttgg	vvi-miR399f *+10_perfect match probe
vvi miR-1513 2mut as	tcatgtcaaaagaagatttgg	vvi-miR399f *+10_mismatch probe
vvi miR-1514 nat as	agtattgcccagcaattcat	vvi-miR399g *-10_perfect match probe
vvi miR-1514 2mut as	agtattgtccagaaattcat	vvi-miR399g *-10_mismatch probe
vvi miR-1515 nat as	ctgccaatggagattgccc	vvi-miR399g *0_perfect match probe
vvi miR-1515 2mut as	ctgccaatcgactattgccc	vvi-miR399g *0_mismatch probe

vvi miR-1516 nat as	gagtggccaactgccaatgg	vvi-miR399g *+10_perfect match probe
vvi miR-1516 2mut as	gagtggccaactgtcaatgg	vvi-miR399g *+10_mismatch probe
vvi miR-1517 nat as	gattgcaactgttattcct	vvi-miR399h *-10_perfect match probe
vvi miR-1517 2mut as	gattgaactcttattcct	vvi-miR399h *-10_mismatch probe
vvi miR-1518 nat as	gccaaaggaggattgcaactg	vvi-miR399h *0_perfect match probe
vvi miR-1518 2mut as	gccaaagaaggattgaactg	vvi-miR399h *0_mismatch probe
vvi miR-1519 nat as	tgatctttctgccaaaggag	vvi-miR399h *+10_perfect match probe
vvi miR-1519 2mut as	tgatctttccgtcaaaggag	vvi-miR399h *+10_mismatch probe
vvi miR-1520 nat as	agaagccctacaactact	vvi-miR399i *-10_perfect match probe
vvi miR-1520 2mut as	agaagtcctaaaactact	vvi-miR399i *-10_mismatch probe
vvi miR-1521 nat as	ccagaaggagagaagcccta	vvi-miR399i *0_perfect match probe
vvi miR-1521 2mut as	ccagaagaagagaagtccta	vvi-miR399i *0_mismatch probe
vvi miR-1522 nat as	ccatctcctgccagaaggag	vvi-miR399i *+10_perfect match probe
vvi miR-1522 2mut as	ccatctcctctcagaaggag	vvi-miR399i *+10_mismatch probe
vvi miR-1523 nat as	cgcaaaacttgagatgtgc	vvi-miR403a *-10_perfect match probe
vvi miR-1523 2mut as	cgcaaaaacttaagatgtgc	vvi-miR403a *-10_mismatch probe
vvi miR-1524 nat as	gtttgattcacgcacaaact	vvi-miR403a *0_perfect match probe
vvi miR-1524 2mut as	gtttgattccccacaaact	vvi-miR403a *0_mismatch probe
vvi miR-1525 nat as	ctacgatggggtttgattca	vvi-miR403a *+10_perfect match probe
vvi miR-1525 2mut as	ctacgatggtctttgattca	vvi-miR403a *+10_mismatch probe
vvi miR-1526 nat as	cacaaactcgaggtttgt	vvi-miR403b *-10_perfect match probe
vvi miR-1526 2mut as	cacaaactaaaggtttgt	vvi-miR403b *-10_mismatch probe
vvi miR-1527 nat as	tggattcgcgcacaaactcg	vvi-miR403b *0_perfect match probe
vvi miR-1527 2mut as	tggattcgccaacaaactcg	vvi-miR403b *0_mismatch probe
vvi miR-1528 nat as	atcgaggcgttgattcgcg	vvi-miR403b *+10_perfect match probe

vvi miR-1528 2mut as	atcgaggagttcgattcgcg	vvi-miR403b *+10_mismatch probe vvi-miR403c *-10_perfect match probe
vvi miR-1529 nat as	cacaaacttgagatgtgc	vvi-miR403c *-10_mismatch probe
vvi miR-1529 2mut as	cacaaatttaagatgtgc	vvi-miR403c *0_perfect match probe
vvi miR-1530 nat as	ttgattcacgcacaaacttg	vvi-miR403c *0_mismatch probe
vvi miR-1530 2mut as	ttgattcaccaacaaacttg	vvi-miR403c *+10_perfect match probe
vvi miR-1531 nat as	acgatggggtttgattcacg	vvi-miR403c *+10_mismatch probe
vvi miR-1531 2mut as	acgatgggtggttaattcacg	vvi-miR403d *-10_perfect match probe
vvi miR-1532 nat as	cacaaactcgaggtttgt	vvi-miR403d *-10_mismatch probe
vvi miR-1532 2mut as	cacaaactaaaggtttgt	vvi-miR403d *0_perfect match probe
vvi miR-1533 nat as	tggattcgcgcacaaactcg	vvi-miR403d *0_mismatch probe
vvi miR-1533 2mut as	tggattcgccaacaaactcg	vvi-miR403d *+10_perfect match probe
vvi miR-1534 nat as	attgagggggttgattcgcg	vvi-miR403d *+10_mismatch probe
vvi miR-1534 2mut as	attgaggtgttcgattcgcg	vvi-miR403e *-10_perfect match probe
vvi miR-1535 nat as	cacaaacttgagatgtgc	vvi-miR403e *-10_mismatch probe
vvi miR-1535 2mut as	cacaaatttaagatgtgc	vvi-miR403e *0_perfect match probe
vvi miR-1536 nat as	ttgattcacgcacaaacttg	vvi-miR403e *0_mismatch probe
vvi miR-1536 2mut as	ttgattcaccaacaaacttg	vvi-miR403e *+10_perfect match probe
vvi miR-1537 nat as	acgatgggggttgattcacg	vvi-miR403e *+10_mismatch probe
vvi miR-1537 2mut as	acgatgggtggttaattcacg	vvi-miR403f *-10_perfect match probe
vvi miR-1538 nat as	gcacaaactcctcatctca	vvi-miR403f *-10_mismatch probe
vvi miR-1538 2mut as	gcacaaacttttcatctca	vvi-miR403f *0_perfect match probe
vvi miR-1539 nat as	ttagagtcacgcacaaactc	vvi-miR403f *0_mismatch probe
vvi miR-1539 2mut as	ttagagtcaccacaaactc	vvi-miR403f *+10_perfect match probe
vvi miR-1540 nat as	tcaggcggttttagagtcac	vvi-miR403f *+10_mismatch probe
vvi miR-1540 2mut as	tcaggaggttttagactcac	vvi-miR408 *-10_perfect match
vvi miR-1541 nat as	ctcgtccccgtctctctt	

vvi miR-1541 2mut as	ctcgtcccagttttctctt	probe
vvi miR-1542 nat as	catgcactacctcgccccg	vvi-miR408 *-10_mismatch probe
vvi miR-1542 2mut as	catgaactacctcctccccg	vvi-miR408 *0_perfect match probe
		vvi-miR408 *0_mismatch probe
		vvi-miR408 *+10_perfect match probe
vvi miR-1543 nat as	tagttccatccatgcactac	vvi-miR408 *+10_mismatch probe
vvi miR-1543 2mut as	tagttcaatccatgaactac	vvi-miR477a *-10_perfect match probe
		vvi-miR477a *-10_mismatch probe
vvi miR-1544 nat as	tgtcttccaactttcaaacc	vvi-miR477a *0_perfect match probe
vvi miR-1544 2mut as	tgtcttccaactttcaaacc	vvi-miR477a *0_mismatch probe
vvi miR-1545 nat as	ggtccccactgtcttccaa	vvi-miR477a *+10_perfect match probe
vvi miR-1545 2mut as	ggtccctcactctcttccaa	vvi-miR477a *+10_mismatch probe
vvi miR-1546 nat as	aagcttccaagggtccccac	vvi-miR477a *+10_perfect match probe
vvi miR-1546 2mut as	aagcttcaaagggtcctccac	vvi-miR479 *-10_perfect match probe
		vvi-miR479 *-10_mismatch probe
vvi miR-1547 nat as	tcggctcgtctttgagccga	vvi-miR479 *0_perfect match probe
vvi miR-1547 2mut as	tcggctcctctttgaccga	vvi-miR479 *0_mismatch probe
vvi miR-1548 nat as	tgatattggttcggctcgtc	vvi-miR479 *+10_perfect match probe
vvi miR-1548 2mut as	tgatattcgttcgctcgtc	vvi-miR479 *+10_mismatch probe
vvi miR-1549 nat as	catacaagagtgatattggt	vvi-miR482a *-10_perfect match probe
vvi miR-1549 2mut as	cataaaagagcgatattggt	vvi-miR482a *-10_mismatch probe
		vvi-miR482a *0_perfect match probe
		vvi-miR482a *0_mismatch probe
		vvi-miR482a *+10_perfect match probe
vvi miR-1550 nat as	ctccaattccaaacatt	vvi-miR482a *+10_mismatch probe
vvi miR-1550 2mut as	ctccaatttcaaacatt	vvi-miR535a *-10_perfect match probe
vvi miR-1551 nat as	ctttctactctccaattcc	vvi-miR535a *-10_mismatch probe
vvi miR-1551 2mut as	cttttctactctcaaattcc	
vvi miR-1552 nat as	gatggctaagctttctact	
vvi miR-1552 2mut as	gatgcctaagtttctact	
vvi miR-1553 nat as	agagcacgcctgtacacagt	
vvi miR-1553 2mut as	agagcaccctgtaccagtt	

vvi miR-1554 nat as	acagcgagagagagcagcc	vvi-miR535a *0_perfect match probe
vvi miR-1554 2mut as	acagagagagagagaacgcc	vvi-miR535a *0_mismatch probe
vvi miR-1555 nat as	agattgtatgacagcgagag	vvi-miR535a *+10_perfect match probe
vvi miR-1555 2mut as	agattctatgacagagagag	vvi-miR535a *+10_mismatch probe
vvi miR-1556 nat as	agagcagcctgtacacagt	vvi-miR535b *-10_perfect match probe
vvi miR-1556 2mut as	agagcaccctgtaccagt	vvi-miR535b *-10_mismatch probe
vvi miR-1557 nat as	acagcgagagagagcagcc	vvi-miR535b *0_perfect match probe
vvi miR-1557 2mut as	acagagagagagagaacgcc	vvi-miR535b *0_mismatch probe
vvi miR-1558 nat as	agattgtatgacagcgagag	vvi-miR535b *+10_perfect match probe
vvi miR-1558 2mut as	agattctatgacagagagag	vvi-miR535b *+10_mismatch probe
vvi miR-1559 nat as	agagcagcctgtacacagt	vvi-miR535c *-10_perfect match probe
vvi miR-1559 2mut as	agagcaccctgtaccagt	vvi-miR535c *-10_mismatch probe
vvi miR-1560 nat as	acagcgagagagagcagcc	vvi-miR535c *0_perfect match probe
vvi miR-1560 2mut as	acagagagagagagaacgcc	vvi-miR535c *0_mismatch probe
vvi miR-1561 nat as	agattgtatgacagcgagag	vvi-miR535c *+10_perfect match probe
vvi miR-1561 2mut as	agattctatgacagagagag	vvi-miR535c *+10_mismatch probe
vvi miR-1562 nat as	agagcagcctgtacacagt	vvi-miR535d *-10_perfect match probe
vvi miR-1562 2mut as	agagcaccctgtaccagt	vvi-miR535d *-10_mismatch probe
vvi miR-1563 nat as	acagcgacagagagcagcc	vvi-miR535d *0_perfect match probe
vvi miR-1563 2mut as	acagagacagagagaacgcc	vvi-miR535d *0_mismatch probe
vvi miR-1564 nat as	agattgtatgacagcgacag	vvi-miR535d *+10_perfect match probe
vvi miR-1564 2mut as	agattctatgacagagacag	vvi-miR535d *+10_mismatch probe
vvi miR-1565 nat as	agagcagcctgtacacagt	vvi-miR535e *-10_perfect match probe
vvi miR-1565 2mut as	agagcaccctgtaccagt	vvi-miR535e *-10_mismatch probe
vvi miR-1566 nat as	acagcgacagagagcagcc	vvi-miR535e *0_perfect match probe
vvi miR-1566 2mut as	acagagacagagagaacgcc	vvi-miR535e *0_mismatch probe

vvi miR-1567 nat as	agattgtatgacagcgacag	vvi-miR535e *+10_perfect match
vvi miR-1567 2mut as	agattctatgacagagacag	probe
		vvi-miR535e *+10_mismatch probe
vvi miR-1568 nat as	gagcatctcaacaacaatcc	vvi-miR828a *-10_perfect match
vvi miR-1568 2mut as	gagcatctaaacaaaaatcc	probe
vvi miR-1569 nat as	ttcctcaaatgagcatctca	vvi-miR828a *-10_mismatch probe
vvi miR-1569 2mut as	ttcctaaaatgagaatctca	vvi-miR828a *0_perfect match probe
		vvi-miR828a *0_mismatch probe
vvi miR-1570 nat as	ttaaggttgcttctcaaat	vvi-miR828a *+10_perfect match
vvi miR-1570 2mut as	ttaaggttcctttctcaaat	probe
		vvi-miR828a *+10_mismatch probe
vvi miR-1571 nat as	tgactatccagggttgatgtg	vvi-miR828b *-10_perfect match
vvi miR-1571 2mut as	tgactatcaagcttgatgtg	probe
vvi miR-1572 nat as	ttgcaggaaatgactatcca	vvi-miR828b *-10_mismatch probe
vvi miR-1572 2mut as	ttgcagaaaaatgcctatcca	vvi-miR828b *0_perfect match probe
		vvi-miR828b *0_mismatch probe
vvi miR-1573 nat as	aaacctggtttgcaggaaa	vvi-miR828b *+10_perfect match
vvi miR-1573 2mut as	aaacctcggtttgaaggaaa	probe
		vvi-miR828b *+10_mismatch probe
vvi miR-1574 nat as	aggaactaatcaagtgaag	vvi-miR845a *-10_perfect match
vvi miR-1574 2mut as	aggaattaatcaagcgaaa	probe
vvi miR-1575 nat as	taactcatgaaggaactaat	vvi-miR845a *-10_mismatch probe
vvi miR-1575 2mut as	taactcataaagaaactaat	vvi-miR845a *0_perfect match probe
		vvi-miR845a *0_mismatch probe
vvi miR-1576 nat as	ttacttgcaataactcatga	vvi-miR845a *+10_perfect match
vvi miR-1576 2mut as	ttacttgaaataactaatga	probe
		vvi-miR845a *+10_mismatch probe
vvi miR-1577 nat as	aggaactaatcaagtgaag	vvi-miR845b *-10_perfect match
vvi miR-1577 2mut as	aggaattaatcaagcgaaa	probe
vvi miR-1578 nat as	taactcatgaaggaactaat	vvi-miR845b *-10_mismatch probe
vvi miR-1578 2mut as	taactcataaagaaactaat	vvi-miR845b *0_perfect match probe
		vvi-miR845b *0_mismatch probe
vvi miR-1579 nat as	ttgcttgaaataactcatga	vvi-miR845b *+10_perfect match
		probe

vvi miR-1579 2mut as	ttgcttaaataactaatga	vvi-miR845b *+10_mismatch probe vvi-miR845c *-10_perfect match probe
vvi miR-1580 nat as	aacccaaacacataattg	vvi-miR845c *-10_mismatch probe
vvi miR-1580 2mut as	aacccaaaaccataattg	vvi-miR845c *0_perfect match probe
vvi miR-1581 nat as	aaactcagacaacccaaaaca	vvi-miR845c *0_mismatch probe
vvi miR-1581 2mut as	aaactcagaaaaacaaaaaca	vvi-miR845c *+10_perfect match probe
vvi miR-1582 nat as	tgccaacatgaaactcagac	vvi-miR845c *+10_mismatch probe
vvi miR-1582 2mut as	tgccaaaatgaaactaagac	vvi-miR845d *-10_perfect match probe
vvi miR-1583 nat as	ataattaatggttggttat	vvi-miR845d *-10_mismatch probe
vvi miR-1583 2mut as	ataattaacgttcggttat	vvi-miR845d *0_perfect match probe
vvi miR-1584 nat as	ggccctaggataattaatg	vvi-miR845d *0_mismatch probe
vvi miR-1584 2mut as	ggccctagtctaattaatg	vvi-miR845d *+10_perfect match probe
vvi miR-1585 nat as	tttatcccatggccctaggg	vvi-miR845d *+10_mismatch probe
vvi miR-1585 2mut as	tttatctcatggtcctaggg	vvi-miR845e *-10_perfect match probe
vvi miR-1586 nat as	ataattaatgtgcgttct	vvi-miR845e *-10_mismatch probe
vvi miR-1586 2mut as	ataattaacgtgagtctct	vvi-miR845e *0_perfect match probe
vvi miR-1587 nat as	ggccctaggataattaatg	vvi-miR845e *0_mismatch probe
vvi miR-1587 2mut as	ggccctagtctaattaatg	vvi-miR845e *+10_perfect match probe
vvi miR-1588 nat as	tttatcccatggccctaggg	vvi-miR845e *+10_mismatch probe
vvi miR-1588 2mut as	tttatctcatggtcctaggg	vvi-miR156a ctrl_perfect match probe
vvi miR-1589 nat as	gagtctttagctgatgctgg	vvi-miR156a ctrl_mismatch probe
vvi miR-1589 2mut as	gagtctttacctgatcctgg	vvi-miR156b ctrl_perfect match probe
vvi miR-1590 nat as	taaacttatacaattgcctc	vvi-miR156b ctrl_mismatch probe
vvi miR-1590 2mut as	taaatttatacaattccctc	vvi-miR156c ctrl_perfect match probe
vvi miR-1591 nat as	accatgcaagaacagacca	vvi-miR156c ctrl_mismatch probe
vvi miR-1591 2mut as	accatgaaagaaaagacca	

vvi miR-1592 nat as	acccttatacaaattgectg	vvi-miR156d ctrl_perfect match probe
vvi miR-1592 2mut as	acccttataaaaattccctg	vvi-miR156d ctrl_mismatch probe
vvi miR-1593 nat as	ttcatgcaagaaaagaacca	vvi-miR156e ctrl_perfect match probe
vvi miR-1593 2mut as	ttcatgaaagaaaacaacca	vvi-miR156e ctrl_mismatch probe
vvi miR-1594 nat as	agccctcttgggtatgttca	vvi-miR156f ctrl_perfect match probe
vvi miR-1594 2mut as	agccctcttctgtatgttca	vvi-miR156f ctrl_mismatch probe
vvi miR-1595 nat as	aaactccatgcacatcatca	vvi-miR156g ctrl_perfect match probe
vvi miR-1595 2mut as	aaactccatcaacatcatca	vvi-miR156g ctrl_mismatch probe
vvi miR-1596 nat as	gttgtaattgttttccacc	vvi-miR156h ctrl_perfect match probe
vvi miR-1596 2mut as	gttgtaattcttttccacc	vvi-miR156h ctrl_mismatch probe
vvi miR-1597 nat as	tggctccttgcatcattcatca	vvi-miR156i ctrl_perfect match probe
vvi miR-1597 2mut as	tggctccttcaatttcatca	vvi-miR156i ctrl_mismatch probe
vvi miR-1598 nat as	agaaagatcaaggcaaccac	vvi-miR159a ctrl_perfect match probe
vvi miR-1598 2mut as	agaaagataaagccaaccac	vvi-miR159a ctrl_mismatch probe
vvi miR-1599 nat as	agaaaagataaaagcaaaca	vvi-miR159b ctrl_perfect match probe
vvi miR-1599 2mut as	agaaaacataaaagaaaaca	vvi-miR159b ctrl_mismatch probe
vvi miR-1600 nat as	ggatctaaacttgataatg	vvi-miR159c ctrl_perfect match probe
vvi miR-1600 2mut as	ggatctaaatttcgataatg	vvi-miR159c ctrl_mismatch probe
vvi miR-1601 nat as	acaaccttgacaagcttctt	vvi-miR160a ctrl_perfect match probe
vvi miR-1601 2mut as	acaatcttgacaagtttctt	vvi-miR160a ctrl_mismatch probe
vvi miR-1602 nat as	cactctttaacaagcttctt	vvi-miR160b ctrl_perfect match probe
vvi miR-1602 2mut as	cactttttaacaagtttctt	vvi-miR160b ctrl_mismatch probe
vvi miR-1603 nat as	ggaaagggagtgtctctac	vvi-miR160c ctrl_perfect match probe
vvi miR-1603 2mut as	ggaaagtgagtcgtctctac	vvi-miR160c ctrl_mismatch probe

vvi miR-1604 nat as	aatcctcgggtggactttgc	vvi-miR160d ctrl_perfect match probe
vvi miR-1604 2mut as	aatcctcaggtcgactttgc	vvi-miR160d ctrl_mismatch probe
vvi miR-1605 nat as	cactctttaacaagcttctt	vvi-miR160e ctrl_perfect match probe
vvi miR-1605 2mut as	cacttttaacaagttctt	vvi-miR160e ctrl_mismatch probe
vvi miR-1606 nat as	gatgtgccggtgggctctgc	vvi-miR160f ctrl_perfect match probe
vvi miR-1606 2mut as	gatgtgctgggtgcctctgc	vvi-miR160f ctrl_mismatch probe
vvi miR-1607 nat as	attcttgatctgctttttc	vvi-miR162 ctrl_perfect match probe
vvi miR-1607 2mut as	attcttaatctcctttttc	vvi-miR162 ctrl_mismatch probe
vvi miR-1608 nat as	aagggggaaaagtgaggcaa	vvi-miR164a ctrl_perfect match probe
vvi miR-1608 2mut as	aagggtgaaaagtgacgcaa	vvi-miR164a ctrl_mismatch probe
vvi miR-1609 nat as	cagatccaggtgctgattga	vvi-miR164b ctrl_perfect match probe
vvi miR-1609 2mut as	cagatcaaggtcctgattga	vvi-miR164b ctrl_mismatch probe
vvi miR-1610 nat as	agagcagattagaatttggtg	vvi-miR164d ctrl_perfect match probe
vvi miR-1610 2mut as	agagaagattacaatttggtg	vvi-miR164d ctrl_mismatch probe
vvi miR-1611 nat as	caccaacacatgctcagtac	vvi-miR166c ctrl_perfect match probe
vvi miR-1611 2mut as	caccaaccatcctcagtac	vvi-miR166c ctrl_mismatch probe
vvi miR-1612 nat as	cactaacacataatcagagg	vvi-miR166d ctrl_perfect match probe
vvi miR-1612 2mut as	cactaacccataatccgagg	vvi-miR166d ctrl_mismatch probe
vvi miR-1613 nat as	caccaaccatgatcaaaga	vvi-miR166e ctrl_perfect match probe
vvi miR-1613 2mut as	caccaactcatgataaaaga	vvi-miR166e ctrl_mismatch probe
vvi miR-1614 nat as	ttttgaggtatacataaaa	vvi-miR166f ctrl_perfect match probe
vvi miR-1614 2mut as	ttttgagctataaataaaa	vvi-miR166f ctrl_mismatch probe
vvi miR-1615 nat as	cattcaaacgctgcttgagc	vvi-miR166g ctrl_perfect match probe
vvi miR-1615 2mut as	cattcaaaccctccttgagc	vvi-miR166g ctrl_mismatch probe
vvi miR-1616 nat as	cattcagattatgtctgtac	vvi-miR166h ctrl_perfect match

vvi miR-1616 nat as	cattccgattatctctgtac	probe
vvi miR-1616 2mut as		vvi-miR166h ctrl_mismatch probe
vvi miR-1617 nat as	caaccgattatgaagtaact	vvi-miR166a ctrl_perfect match
vvi miR-1617 2mut as	caacagattataaagtaact	probe
vvi miR-1618 nat as	cttcacttatatatcttctt	vvi-miR166a ctrl_mismatch probe
vvi miR-1618 2mut as	cttccttatatatttctt	vvi-miR166b ctrl_perfect match
vvi miR-1619 nat as	gaaagagatggtgtttgttt	probe
vvi miR-1619 2mut as	gaaagagatcctgtttgttt	vvi-miR166b ctrl_mismatch probe
vvi miR-1620 nat as	aaagggtgggcaacagaaaa	vvi-miR167a ctrl_perfect match
vvi miR-1620 2mut as	aaagggtggcaacagaaaa	probe
vvi miR-1621 nat as	ccttgacttgataggaag	vvi-miR167a ctrl_mismatch probe
vvi miR-1621 2mut as	ccttgacttctatagtgaag	vvi-miR167b ctrl_perfect match
vvi miR-1622 nat as	ttctctgtatccctagccaa	probe
vvi miR-1622 2mut as	ttctctctatctctagccaa	vvi-miR167b ctrl_mismatch probe
vvi miR-1623 nat as	ctgttcacaaaggaagcaa	vvi-miR167c ctrl_perfect match
vvi miR-1623 2mut as	ctgttcccaaagtgaagcaa	probe
vvi miR-1624 nat as	cgctgccggagcggcgaagt	vvi-miR167c ctrl_mismatch probe
vvi miR-1624 2mut as	cgctgtcggagcggagaagt	vvi-miR167d ctrl_perfect match
vvi miR-1625 nat as	tctcttctactatatataa	probe
vvi miR-1625 2mut as	tctcttctccttatataa	vvi-miR167d ctrl_mismatch probe
vvi miR-1626 nat as	atthtgaaccttaaggagg	vvi-miR167e ctrl_perfect match
vvi miR-1626 2mut as	atthtgaatcttaacgagg	probe
vvi miR-1627 nat as	tctccaactcttgctgcaga	vvi-miR169y ctrl_mismatch probe
vvi miR-1627 2mut as	tctccaactcttgctccaga	vvi-miR169b ctrl_perfect match
		probe
		vvi-miR169b ctrl_mismatch probe

vvi miR-1628 nat as	gattaacgaggaatgcccca	vvi-miR169c ctrl_perfect match
vvi miR-1628 2mut as	gattaaagaggaatgtccca	probe
vvi miR-1629 nat as	tctcttctcactatataaa	vvi-miR169c ctrl_mismatch probe
vvi miR-1629 2mut as	tctcttctccttatataaa	vvi-miR169d ctrl_perfect match
vvi miR-1630 nat as	aaattgaccacttgggata	probe
vvi miR-1630 2mut as	aaattgactcacttgtgata	vvi-miR169d ctrl_mismatch probe
vvi miR-1631 nat as	attaacgatcgagcaaatta	vvi-miR169e ctrl_perfect match
vvi miR-1631 2mut as	attaaagatcgagaaaatta	probe
vvi miR-1632 nat as	ggcagatggctaagtagaga	vvi-miR169e ctrl_mismatch probe
vvi miR-1632 2mut as	ggcagatgcctaactagaga	vvi-miR169f ctrl_perfect match probe
vvi miR-1633 nat as	atgcctcaaatagtgacaaa	vvi-miR169f ctrl_mismatch probe
vvi miR-1633 2mut as	atgcttcaaatacgacaaa	vvi-miR169g ctrl_perfect match
vvi miR-1634 nat as	cctcaataccaactgaaaa	probe
vvi miR-1634 2mut as	cctcaatataaactgaaaa	vvi-miR169g ctrl_mismatch probe
vvi miR-1635 nat as	tcattccactctatatgtga	vvi-miR169h ctrl_perfect match
vvi miR-1635 2mut as	tcattcaactttatatgtga	probe
vvi miR-1636 nat as	tcattccactctatatgtga	vvi-miR169h ctrl_mismatch probe
vvi miR-1636 2mut as	tcattcaactttatatgtga	vvi-miR169i ctrl_perfect match probe
vvi miR-1637 nat as	agcttcaatgcttgatgcaa	vvi-miR169i ctrl_mismatch probe
vvi miR-1637 2mut as	agcttcaatctttgatgcaa	vvi-miR169j ctrl_perfect match probe
vvi miR-1638 nat as	accttaatgccttgctgcag	vvi-miR169j ctrl_mismatch probe
vvi miR-1638 2mut as	accttaatgtcttctgcag	vvi-miR169k ctrl_perfect match
vvi miR-1639 nat as	aaccctatgccttgctgcag	probe
vvi miR-1639 2mut as	aaccctatgtcttctgcag	vvi-miR169k ctrl_mismatch probe
vvi miR-1640 nat as	agcttcaatgcttgctgctg	vvi-miR169l ctrl_perfect match probe
		vvi-miR169l ctrl_mismatch probe
		vvi-miR169m ctrl_perfect match
		probe
		vvi-miR169m ctrl_mismatch probe
		vvi-miR169n ctrl_perfect match
		probe
		vvi-miR169n ctrl_mismatch probe
		vvi-miR169o ctrl_perfect match
		probe

vvi miR-1640 2mut as	agcttcaatccttctgctg	vvi-miR169o ctrl_mismatch probe
vvi miR-1641 nat as	acctaatgccttctgcag	vvi-miR169p ctrl_perfect match probe
vvi miR-1641 2mut as	acctaatgtcttctgcag	vvi-miR169p ctrl_mismatch probe
vvi miR-1642 nat as	ttaatatagacttactgcaa	vvi-miR169q ctrl_perfect match probe
vvi miR-1642 2mut as	ttaatatagccttaccgcaa	vvi-miR169q ctrl_mismatch probe
vvi miR-1643 nat as	gcatgccttctgcaaatata	vvi-miR169r ctrl_perfect match probe
vvi miR-1643 2mut as	gcatgtcttctgaaaatata	vvi-miR169r ctrl_mismatch probe
vvi miR-1644 nat as	tcgatggtgcctaatagcaa	vvi-miR169s ctrl_perfect match probe
vvi miR-1644 2mut as	tcgatggtgtctaataccaa	vvi-miR169s ctrl_mismatch probe
vvi miR-1645 nat as	caagtcttccgcaaatata	vvi-miR169t ctrl_perfect match probe
vvi miR-1645 2mut as	caagtctttcccaaatata	vvi-miR169t ctrl_mismatch probe
vvi miR-1646 nat as	cgtgcccttctgcaaatata	vvi-miR169u ctrl_perfect match probe
vvi miR-1646 2mut as	cgtgtccttctgaaaatata	vvi-miR169u ctrl_mismatch probe
vvi miR-1647 nat as	gacaaagctgcctactttca	vvi-miR169v ctrl_perfect match probe
vvi miR-1647 2mut as	gacaaagctctctactttca	vvi-miR169v ctrl_mismatch probe
vvi miR-1648 nat as	catgagtacaataaaggagg	vvi-miR169w ctrl_perfect match probe
vvi miR-1648 2mut as	catgagtaaaataaacggag	vvi-miR169w ctrl_mismatch probe
vvi miR-1649 nat as	agtgttttgaaacctggtgg	vvi-miR169x ctrl_perfect match probe
vvi miR-1649 2mut as	agtgttttaaacctcgtgg	vvi-miR169x ctrl_mismatch probe
vvi miR-1650 nat as	aaccaaagatctcaatggtt	vvi-miR171a ctrl_perfect match probe
vvi miR-1650 2mut as	aaccaaactctaaatggtt	vvi-miR171a ctrl_mismatch probe
vvi miR-1651 nat as	cacatggctaataatctcttc	vvi-miR171b ctrl_perfect match probe
vvi miR-1651 2mut as	cacatgcctaataatccttc	vvi-miR171b ctrl_mismatch probe
vvi miR-1652 nat as	aaaaccagaactcaaaaaga	vvi-miR171c ctrl_perfect match probe
vvi miR-1652 2mut as	aaaacaagaactaaaaaga	vvi-miR171c ctrl_mismatch probe

vvi miR-1653 nat as	aacaacagagtcttaactt	vvi-miR171d ctrl_perfect match probe
vvi miR-1653 2mut as	aacaaaagaggttttaactt	vvi-miR171d ctrl_mismatch probe
vvi miR-1654 nat as	atcggtctttacggctcttc	vvi-miR171e ctrl_perfect match probe
vvi miR-1654 2mut as	atcgtttttacgcctcttc	vvi-miR171e ctrl_mismatch probe
vvi miR-1655 nat as	gagatcagtttttacattca	vvi-miR171f ctrl_perfect match probe
vvi miR-1655 2mut as	gagatccgtttttaattca	vvi-miR171f ctrl_mismatch probe
vvi miR-1656 nat as	gttgggtgtccccaccgatg	vvi-miR171g ctrl_perfect match probe
vvi miR-1656 2mut as	gttgggtgtctcccacagatg	vvi-miR171g ctrl_mismatch probe
vvi miR-1657 nat as	atcagagtcgatacattcat	vvi-miR171h ctrl_perfect match probe
vvi miR-1657 2mut as	atcagagtagataaattcat	vvi-miR171h ctrl_mismatch probe
vvi miR-1658 nat as	gattaaaggacccaaaacc	vvi-miR171i ctrl_perfect match probe
vvi miR-1658 2mut as	gattaaagaactcaaaacc	vvi-miR171i ctrl_mismatch probe
vvi miR-1659 nat as	gcaaatgcacgggtggtgatg	vvi-miR172a ctrl_perfect match probe
vvi miR-1659 2mut as	gcaaatgaacagtggtgatg	vvi-miR172a ctrl_mismatch probe
vvi miR-1660 nat as	gcgaaagccccggcgcgggcag	vvi-miR172b ctrl_perfect match probe
vvi miR-1660 2mut as	gcgaaagtccggcgaggcag	vvi-miR172b ctrl_mismatch probe
vvi miR-1661 nat as	atcaaagagccatcggagtg	vvi-miR172c ctrl_perfect match probe
vvi miR-1661 2mut as	atcaaagagtcatcagagtg	vvi-miR172c ctrl_mismatch probe
vvi miR-1662 nat as	ctcaaaatctttggcagaga	vvi-miR172d ctrl_perfect match probe
vvi miR-1662 2mut as	ctcaaaatctttgccagaga	vvi-miR172d ctrl_mismatch probe
vvi miR-1663 nat as	tgacagccataactgaacgc	vvi-miR319b ctrl_perfect match probe
vvi miR-1663 2mut as	tgacagtcataaccgaacgc	vvi-miR319b ctrl_mismatch probe
vvi miR-1664 nat as	agggagcttaagatccaatt	vvi-miR319c ctrl_perfect match probe
vvi miR-1664 2mut as	agggagtttaagatccaatt	vvi-miR319c ctrl_mismatch probe

vvi miR-1665 nat as	aggagcatgaagttcatcat	vvi-miR319e ctrl_perfect match probe
vvi miR-1665 2mut as	aggagaatgaagttaatcat	vvi-miR319e ctrl_mismatch probe
vvi miR-1666 nat as	agacaagaaaaggatgaaat	vvi-miR319f ctrl_perfect match probe
vvi miR-1666 2mut as	agacaacaaaagaatgaaat	vvi-miR319f ctrl_mismatch probe
vvi miR-1667 nat as	tgggcaaagcgtgcggagga	vvi-miR319g ctrl_perfect match probe
vvi miR-1667 2mut as	tgggcaaagagtgaggagga	vvi-miR319g ctrl_mismatch probe
vvi miR-1668 nat as	caatcatttcatcatggct	vvi-miR390 ctrl_perfect match probe
vvi miR-1668 2mut as	caataatttcataatggct	vvi-miR390 ctrl_mismatch probe
vvi miR-1669 nat as	aagagaggtggaagataacc	vvi-miR393a ctrl_perfect match probe
vvi miR-1669 2mut as	aagagaggtcaaagataacc	vvi-miR393a ctrl_mismatch probe
vvi miR-1670 nat as	gatccaaagacatggagagt	vvi-miR393b ctrl_perfect match probe
vvi miR-1670 2mut as	gatcaaaagacatcgagagt	vvi-miR393b ctrl_mismatch probe
vvi miR-1671 nat as	gaatatagaccatgatgtg	vvi-miR394a ctrl_perfect match probe
vvi miR-1671 2mut as	gaatatagattcatgatgtg	vvi-miR394a ctrl_mismatch probe
vvi miR-1672 nat as	aaaagagagattttcaagag	vvi-miR394b ctrl_perfect match probe
vvi miR-1672 2mut as	aaaagagcgaatttaagag	vvi-miR394b ctrl_mismatch probe
vvi miR-1673 nat as	aattcagaagaattggtata	vvi-miR394c ctrl_perfect match probe
vvi miR-1673 2mut as	aattccgaagaattcgtata	vvi-miR394c ctrl_mismatch probe
vvi miR-1674 nat as	gaagtcataaaactagcga	vvi-miR395a ctrl_perfect match probe
vvi miR-1674 2mut as	gaagccataaaattagcga	vvi-miR395a ctrl_mismatch probe
vvi miR-1675 nat as	gtaggcattcattagagaag	vvi-miR395b ctrl_perfect match probe
vvi miR-1675 2mut as	gtagccattcattagcgaag	vvi-miR395b ctrl_mismatch probe
vvi miR-1676 nat as	gaagtcattataactagaga	vvi-miR395c ctrl_perfect match probe
vvi miR-1676 2mut as	gaagccattataattagaga	vvi-miR395c ctrl_mismatch probe

vvi miR-1677 nat as	gaagtcattagagaagatcc	vvi-miR395d ctrl_perfect match probe
vvi miR-1677 2mut as	gaagccattagcgaagatcc	vvi-miR395d ctrl_mismatch probe
vvi miR-1678 nat as	gaagtcattataattagaga	vvi-miR395e ctrl_perfect match probe
vvi miR-1678 2mut as	gaagccattataattcgaga	vvi-miR395e ctrl_mismatch probe
vvi miR-1679 nat as	gaagtcattagagaagatcc	vvi-miR395f ctrl_perfect match probe
vvi miR-1679 2mut as	gaagccattagcgaagatcc	vvi-miR395f ctrl_mismatch probe
vvi miR-1680 nat as	gaattgaaaactaaggatcc	vvi-miR395g ctrl_perfect match probe
vvi miR-1680 2mut as	gaattaaaaactaagaatcc	vvi-miR395g ctrl_mismatch probe
vvi miR-1681 nat as	gaagtcattataattagaga	vvi-miR395h ctrl_perfect match probe
vvi miR-1681 2mut as	gaagccattataattcgaga	vvi-miR395h ctrl_mismatch probe
vvi miR-1682 nat as	gaagtcattacagaagatcc	vvi-miR395i ctrl_perfect match probe
vvi miR-1682 2mut as	gaagccattaaagaagatcc	vvi-miR395i ctrl_mismatch probe
vvi miR-1683 nat as	gaagtcattaaagaagatcc	vvi-miR395j ctrl_perfect match probe
vvi miR-1683 2mut as	gaagccattaaagaacatcc	vvi-miR395j ctrl_mismatch probe
vvi miR-1684 nat as	gaagtcattataattagaga	vvi-miR395k ctrl_perfect match probe
vvi miR-1684 2mut as	gaagccattataattcgaga	vvi-miR395k ctrl_mismatch probe
vvi miR-1685 nat as	gaagtcattacagaagatcc	vvi-miR395l ctrl_perfect match probe
vvi miR-1685 2mut as	gaagccattaaagaagatcc	vvi-miR395l ctrl_mismatch probe
vvi miR-1686 nat as	gaagtcattataactagaga	vvi-miR395m ctrl_perfect match probe
vvi miR-1686 2mut as	gaagccattataattagaga	vvi-miR395m ctrl_mismatch probe
vvi miR-1687 nat as	aggaaatcacctggaata	vvi-miR395n ctrl_perfect match probe
vvi miR-1687 2mut as	aggaaatcattctggaata	vvi-miR395n ctrl_mismatch probe
vvi miR-1688 nat as	tcttcataaggagtgtgaaa	vvi-miR396a ctrl_perfect match probe
vvi miR-1688 2mut as	tcttcataacaagtgtgaaa	vvi-miR396a ctrl_mismatch probe
vvi miR-1689 nat as	ctcctacgtttacccatcca	vvi-miR396b ctrl_perfect match probe

vvi miR-1689 2mut as	ctcctacctttactcatcca	vvi-miR396b ctrl_mismatch probe
vvi miR-1690 nat as	atggaagtggaaggcttcca	vvi-miR396c ctrl_perfect match probe
vvi miR-1690 2mut as	atggaagtcgaagccttcca	vvi-miR396c ctrl_mismatch probe
vvi miR-1691 nat as	acacaccagtagtctgaaaa	vvi-miR396d ctrl_perfect match probe
vvi miR-1691 2mut as	acacacaagtagcctgaaaa	vvi-miR396d ctrl_mismatch probe
vvi miR-1692 nat as	tgaaaaatggaatacttcag	vvi-miR397a ctrl_perfect match probe
vvi miR-1692 2mut as	tgaaaaatcgaatatttcag	vvi-miR397a ctrl_mismatch probe
vvi miR-1693 nat as	tgaaaaatggaatacttcag	vvi-miR397b ctrl_perfect match probe
vvi miR-1693 2mut as	tgaaaaatcgaatatttcag	vvi-miR397b ctrl_mismatch probe
vvi miR-1694 nat as	tgcattagctagcagagctt	vvi-miR398a ctrl_perfect match probe
vvi miR-1694 2mut as	tgcattagttagaagagctt	vvi-miR398a ctrl_mismatch probe
vvi miR-1695 nat as	gagcaaagatgggtggtgcg	vvi-miR398b ctrl_perfect match probe
vvi miR-1695 2mut as	gagcaaacatgtgtggtgcg	vvi-miR398b ctrl_mismatch probe
vvi miR-1696 nat as	gagcaaagatgggtgatgcg	vvi-miR398c ctrl_perfect match probe
vvi miR-1696 2mut as	gagcaaacatgtgtgatgcg	vvi-miR398c ctrl_mismatch probe
vvi miR-1697 nat as	cagctaccgccttctactcc	vvi-miR399a ctrl_perfect match probe
vvi miR-1697 2mut as	cagctacccttctactcc	vvi-miR399a ctrl_mismatch probe
vvi miR-1698 nat as	cacatcttttactgcagct	vvi-miR399b ctrl_perfect match probe
vvi miR-1698 2mut as	cacatttttactgaagct	vvi-miR399b ctrl_mismatch probe
vvi miR-1699 nat as	cattcacatctatgtcacct	vvi-miR399c ctrl_perfect match probe
vvi miR-1699 2mut as	cattcccctctatctcacct	vvi-miR399c ctrl_mismatch probe
vvi miR-1700 nat as	aacactcaatgccctttgagc	vvi-miR399d ctrl_perfect match probe
vvi miR-1700 2mut as	aacactcaatctcctttgagc	vvi-miR399d ctrl_mismatch probe

vvi miR-1701 nat as	ggcactacaagaatgcat	vvi-miR399e ctrl_perfect match probe
vvi miR-1701 2mut as	ggcaccctacaacaatgcat	vvi-miR399e ctrl_mismatch probe
vvi miR-1702 nat as	agaagactgcagacacagac	vvi-miR399f ctrl_perfect match probe
vvi miR-1702 2mut as	agaagactgaagaccagac	vvi-miR399f ctrl_mismatch probe
vvi miR-1703 nat as	agcttagtctgctactgtg	vvi-miR399g ctrl_perfect match probe
vvi miR-1703 2mut as	agcttagcctcctactgtg	vvi-miR399g ctrl_mismatch probe
vvi miR-1704 nat as	cagaagtatgcatgtgcatg	vvi-miR399h ctrl_perfect match probe
vvi miR-1704 2mut as	cagaagtatccatgtccatg	vvi-miR399h ctrl_mismatch probe
vvi miR-1705 nat as	cattggaagttaatacaacac	vvi-miR399i ctrl_perfect match probe
vvi miR-1705 2mut as	cattcgaagttaataaacac	vvi-miR399i ctrl_mismatch probe
vvi miR-1706 nat as	cgtcgaatcgccccgtgatt	vvi-miR403a ctrl_perfect match probe
vvi miR-1706 2mut as	cgtcgaatcctcccgtgatt	vvi-miR403a ctrl_mismatch probe
vvi miR-1707 nat as	cccttgaaagaagatcgag	vvi-miR403b ctrl_perfect match probe
vvi miR-1707 2mut as	ccctttaaagaacatcgag	vvi-miR403b ctrl_mismatch probe
vvi miR-1708 nat as	cgtcgaatcgccccgtgatt	vvi-miR403c ctrl_perfect match probe
vvi miR-1708 2mut as	cgtcgaatcctcccgtgatt	vvi-miR403c ctrl_mismatch probe
vvi miR-1709 nat as	cccttgaaagaagattgag	vvi-miR403d ctrl_perfect match probe
vvi miR-1709 2mut as	ccctttaaagaacattgag	vvi-miR403d ctrl_mismatch probe
vvi miR-1710 nat as	cgtcgaatcgccccgtgatt	vvi-miR403e ctrl_perfect match probe
vvi miR-1710 2mut as	cgtcgaatcctcccgtgatt	vvi-miR403e ctrl_mismatch probe
vvi miR-1711 nat as	catagaaaaggatcgcac	vvi-miR403f ctrl_perfect match probe
vvi miR-1711 2mut as	catagaaaacgtatccatc	vvi-miR403f ctrl_mismatch probe
vvi miR-1712 nat as	tagagcaaaaacagcttaac	vvi-miR408 ctrl_perfect match probe
vvi miR-1712 2mut as	tagagaaaaaacagttaac	vvi-miR408 ctrl_mismatch probe
vvi miR-1713 nat as	accttgataatcagccagga	vvi-miR477a ctrl_perfect match probe

vvi miR-1713 2mut as	acctaataatcagtcagga	vvi-miR477a ctrl_mismatch probe
vvi miR-1714 nat as	gccgatgaaatgaatgaaa	vvi-miR479 ctrl_perfect match probe
vvi miR-1714 2mut as	gccgataaaaataaatgaaa	vvi-miR479 ctrl_mismatch probe
vvi miR-1715 nat as	gactagctctagacccccaa	vvi-miR482a ctrl_perfect match probe
vvi miR-1715 2mut as	gactagtctagaccccaa	vvi-miR482a ctrl_mismatch probe
vvi miR-1716 nat as	tgttctcgcgatgaatgctg	vvi-miR535a ctrl_perfect match probe
vvi miR-1716 2mut as	tgttctcccataaatgctg	vvi-miR535a ctrl_mismatch probe
vvi miR-1717 nat as	tgttctcgcgatgaatgctg	vvi-miR535b ctrl_perfect match probe
vvi miR-1717 2mut as	tgttctcccataaatgctg	vvi-miR535b ctrl_mismatch probe
vvi miR-1718 nat as	tgttctcgcgatgaatgctg	vvi-miR535c ctrl_perfect match probe
vvi miR-1718 2mut as	tgttctcccataaatgctg	vvi-miR535c ctrl_mismatch probe
vvi miR-1719 nat as	tgttctcgcgatgaatgcag	vvi-miR535d ctrl_perfect match probe
vvi miR-1719 2mut as	tgttctcccataaatgcag	vvi-miR535d ctrl_mismatch probe
vvi miR-1720 nat as	tgttctcgcgatgaatgcag	vvi-miR535e ctrl_perfect match probe
vvi miR-1720 2mut as	tgttctcccataaatgcag	vvi-miR535e ctrl_mismatch probe
vvi miR-1721 nat as	tcattgcttcacaagctgtt	vvi-miR828a ctrl_perfect match probe
vvi miR-1721 2mut as	tcattccttcacaagttgtt	vvi-miR828a ctrl_mismatch probe
vvi miR-1722 nat as	ggaaatgactatccagggtg	vvi-miR828b ctrl_perfect match probe
vvi miR-1722 2mut as	ggaaatgcctatcaagggtg	vvi-miR828b ctrl_mismatch probe
vvi miR-1723 nat as	ctcttgcttaagacttaatc	vvi-miR845a ctrl_perfect match probe
vvi miR-1723 2mut as	ctcttccttaagccttaatc	vvi-miR845a ctrl_mismatch probe
vvi miR-1724 nat as	ctcttgcttaagacttaatc	vvi-miR845b ctrl_perfect match probe
vvi miR-1724 2mut as	ctcttccttaagccttaatc	vvi-miR845b ctrl_mismatch probe
vvi miR-1725 nat as	gttaatcattaagaaattg	vvi-miR845c ctrl_perfect match probe

vvi miR-1725 2mut as	gtttaataattaacaaattg	probe vvi-miR845c ctrl_mismatch probe vvi-miR845d ctrl_perfect match
vvi miR-1726 nat as vvi miR-1726 2mut as	gtagtaattgtgctagaac gttactaattgtcctagaac	probe vvi-miR845d ctrl_mismatch probe vvi-miR845e ctrl_perfect match
vvi miR-1727 nat as vvi miR-1727 2mut as	gtagtaatcgtgctagaac gtagtaatagtcctagaac	probe vvi-miR845e ctrl_mismatch probe vvi-miR156a compl_perfect match
vvi miR-1728 nat as vvi miR-1728 2mut as	tgacagaagagagggagcac tgaccgaagagagtgagcac	probe vvi-miR156a compl_mismatch probe vvi-miR156b compl_perfect match
vvi miR-1729 nat as vvi miR-1729 2mut as	tgacagaagagagtgagcac tgaccgaagagagcgagcac	probe vvi-miR156b compl_mismatch probe vvi-miR156e compl_perfect match
vvi miR-1730 nat as vvi miR-1730 2mut as	tgacagaggagagtgagcac tgacagagaagagcgagcac	probe vvi-miR156e compl_mismatch probe vvi-miR156f compl_perfect match
vvi miR-1731 nat as vvi miR-1731 2mut as	ttgacagaagatagagagcac ttgaaagaagatagagcgcac	probe vvi-miR156f compl_mismatch probe vvi-miR156h compl_perfect match
vvi miR-1732 nat as vvi miR-1732 2mut as	tgacagaagagagagagcat tgaccgaagagagagcgcat	probe vvi-miR156h compl_mismatch probe vvi-miR156i compl_perfect match
vvi miR-1733 nat as vvi miR-1733 2mut as	tgacagaagatagagagcac tgaccgaagatagagcgcac	probe vvi-miR156i compl_mismatch probe vvi-miR159a compl_perfect match
vvi miR-1734 nat as vvi miR-1734 2mut as	cttggagtgaagggagctctc cttgaagtgaagtgagctctc	probe vvi-miR159a compl_mismatch probe vvi-miR159b compl_perfect match
vvi miR-1735 nat as vvi miR-1735 2mut as	cttggagtgaagggagctctca cttgaagtgaagtgagctctca	probe vvi-miR159b compl_mismatch probe vvi-miR159c compl_perfect match
vvi miR-1736 nat as	tttgattgaagggagctctca	probe

vvi miR-1736 2mut as	tttgaattgaagtgagctcta	vvi-miR159c compl_mismatch probe
vvi miR-1737 nat as	tgccctggctccctgaatgcca	vvi-miR160a compl_perfect match
vvi miR-1737 2mut as	tgccctgcctccttgaatgcca	probe
vvi miR-1738 nat as	tgccctggctccctgtatgcca	vvi-miR160a compl_mismatch probe
vvi miR-1738 2mut as	tgccctgcctccttgtatgcca	vvi-miR160c compl_perfect match
vvi miR-1739 nat as	tcgataaacctctgcatccag	probe
vvi miR-1739 2mut as	tcgataaatctctgaatccag	vvi-miR160c compl_mismatch probe
vvi miR-1740 nat as	tggagaagcagggcacgtgca	vvi-miR162 compl_perfect match
vvi miR-1740 2mut as	tggagaagaaggccacgtgca	probe
vvi miR-1741 nat as	tggagaagcagggcacatgct	vvi-miR162 compl_mismatch probe
vvi miR-1741 2mut as	tggagaagaaggccacatgct	vvi-miR164a compl_perfect match
vvi miR-1742 nat as	tcggaccaggcttcattccccc	probe
vvi miR-1742 2mut as	tcggaccagccttcattccccc	vvi-miR164a compl_mismatch probe
vvi miR-1743 nat as	tcggaccaggcttcattccct	vvi-miR164b compl_perfect match
vvi miR-1743 2mut as	tcggaccagccttcattccct	probe
vvi miR-1744 nat as	tcggaccaggcttcattcctg	vvi-miR164b compl_mismatch probe
vvi miR-1744 2mut as	tcggaccagccttaattcctg	vvi-miR166c compl_perfect match
vvi miR-1745 nat as	tcggaccaggcttcattcctc	probe
vvi miR-1745 2mut as	tcggaccagccttaattcctc	vvi-miR166c compl_mismatch probe
vvi miR-1746 nat as	tgaagctgccagcatgatctg	vvi-miR166d compl_perfect match
vvi miR-1746 2mut as	tgaagctgtcagaatgatctg	probe
vvi miR-1747 nat as	tgaagctgccagcatgatcta	vvi-miR166d compl_mismatch probe
vvi miR-1747 2mut as	tgaagctgtcagaatgatcta	vvi-miR166a compl_perfect match
		probe
		vvi-miR167a compl_perfect match
		probe
		vvi-miR167a compl_mismatch probe
		vvi-miR167b compl_perfect match
		probe
		vvi-miR167b compl_mismatch probe

vvi miR-1748 nat as	tgaagctgccagcatgatct	vvi-miR167c compl_perfect match probe
vvi miR-1748 2mut as	tgaagctgtcagaatgatct	vvi-miR167c compl_mismatch probe
vvi miR-1749 nat as	tcgcttggtgcaggtcgggaa	vvi-miR168 compl_perfect match probe
vvi miR-1749 2mut as	tcgcttggtgaaggtcaggaa	vvi-miR168 compl_mismatch probe
vvi miR-1750 nat as	cagccaaggatgacttgccgg	vvi-miR169a compl_perfect match probe
vvi miR-1750 2mut as	cagcaaaggatgacttcccgg	vvi-miR169a compl_mismatch probe
vvi miR-1751 nat as	tagcgaaggatgactgccta	vvi-miR169y compl_perfect match probe
vvi miR-1751 2mut as	tagcaaaggatgacttcccta	vvi-miR169y compl_mismatch probe
vvi miR-1752 nat as	tgagccaaggatggcttgccg	vvi-miR169b compl_perfect match probe
vvi miR-1752 2mut as	tgagtcaaggatgccttgccg	vvi-miR169b compl_mismatch probe
vvi miR-1753 nat as	cagccaagaatgatttgccgg	vvi-miR169d compl_perfect match probe
vvi miR-1753 2mut as	cagcaaagaatgatttcccgg	vvi-miR169d compl_mismatch probe
vvi miR-1754 nat as	tagccaaggatgacttgccctg	vvi-miR169e compl_perfect match probe
vvi miR-1754 2mut as	tagcaaaggatgacttccctg	vvi-miR169e compl_mismatch probe
vvi miR-1755 nat as	cagccaaggatgacttgccga	vvi-miR169f compl_perfect match probe
vvi miR-1755 2mut as	cagcaaaggatgacttcccga	vvi-miR169f compl_mismatch probe
vvi miR-1756 nat as	cagccaaggatgacttgcc	vvi-miR169g compl_perfect match probe
vvi miR-1756 2mut as	cagcaaaggatgccttgcc	vvi-miR169g compl_mismatch probe
vvi miR-1757 nat as	gagccaaggatgactggccgt	vvi-miR169i compl_perfect match probe
vvi miR-1757 2mut as	gagcaaaggatgactgcccgt	vvi-miR169i compl_mismatch probe
vvi miR-1758 nat as	gagccaaggatgacttgccgt	vvi-miR169l compl_perfect match probe
vvi miR-1758 2mut as	gagcaaaggatgacttcccgt	vvi-miR169l compl_mismatch probe
vvi miR-1759 nat as	gagccaaggatgacttgccgg	vvi-miR169m compl_perfect match probe

vvi miR-1759 2mut as	gagcaaaggatgacttcccgg	probe vvi-miR169m compl_mismatch probe vvi-miR169o compl_perfect match
vvi miR-1760 nat as	gagccaaggatgacttgccgc	probe
vvi miR-1760 2mut as	gagcaaaggatgacttcccgc	vvi-miR169o compl_mismatch probe vvi-miR169r compl_perfect match
vvi miR-1761 nat as	tgagtcaaggatgacttgccg	probe
vvi miR-1761 2mut as	tgagtcaagaatgccttgccg	vvi-miR169r compl_mismatch probe vvi-miR169t compl_perfect match
vvi miR-1762 nat as	cgagtcaaggatgacttgccg	probe
vvi miR-1762 2mut as	cgagtcaagaatgccttgccg	vvi-miR169t compl_mismatch probe vvi-miR169v compl_perfect match
vvi miR-1763 nat as	aagccaaggatgaattgccgg	probe
vvi miR-1763 2mut as	aagcaaaggatgaattcccgg	vvi-miR169v compl_mismatch probe vvi-miR169x compl_perfect match
vvi miR-1764 nat as	tagccaaggatgacttgcccta	probe
vvi miR-1764 2mut as	tagcaaaggatgacttcccta	vvi-miR169x compl_mismatch probe vvi-miR171a compl_perfect match
vvi miR-1765 nat as	ttgagccgtccaacatcacg	probe
vvi miR-1765 2mut as	ttgagtcgtccaacatcacg	vvi-miR171a compl_mismatch probe vvi-miR171b compl_perfect match
vvi miR-1766 nat as	tgattgagccgcgccaatatac	probe
vvi miR-1766 2mut as	tgattgagcccagtcgaatatac	vvi-miR171b compl_mismatch probe vvi-miR171c compl_perfect match
vvi miR-1767 nat as	ttgagccgtgccaatatacag	probe
vvi miR-1767 2mut as	ttgagccgtgtaaatatacag	vvi-miR171c compl_mismatch probe vvi-miR171e compl_perfect match
vvi miR-1768 nat as	tgattgagccgcgccaatatac	probe
vvi miR-1768 2mut as	tgattgagccccccaatatac	vvi-miR171e compl_mismatch probe vvi-miR171f compl_perfect match
vvi miR-1769 nat as	ttgagccgcgccaatatacact	probe
vvi miR-1769 2mut as	ttgagccgccccaaatatacact	vvi-miR171f compl_mismatch probe vvi-miR171g compl_perfect match
vvi miR-1770 nat as	ttgagccgaaccaatatacacc	probe

vvi miR-1770 2mut as	ttgagtccaacaatatcacc	vvi-miR171g compl_mismatch probe
vvi miR-1771 nat as	tggttgagccgcgccaatc	vvi-miR171h compl_perfect match
vvi miR-1771 2mut as	tggttgagccccccaatc	probe
vvi miR-1772 nat as	ttgagccgtgccaatc	vvi-miR171h compl_mismatch probe
vvi miR-1772 2mut as	ttgagccgtgtaaatc	vvi-miR171i compl_perfect match
vvi miR-1773 nat as	tgaatcttgatgatgctacat	probe
vvi miR-1773 2mut as	tgaatcttaatgatcctacat	vvi-miR171i compl_mismatch probe
vvi miR-1774 nat as	tgaatcttgatgatgctacac	vvi-miR172a compl_perfect match
vvi miR-1774 2mut as	tgaatcttaatgatcctacac	probe
vvi miR-1775 nat as	ggaatcttgatgatgctgcag	vvi-miR172a compl_mismatch probe
vvi miR-1775 2mut as	ggaatcttaatgatcctgcag	vvi-miR172b compl_perfect match
vvi miR-1776 nat as	agaatcttgatgatgctgcat	probe
vvi miR-1776 2mut as	agaatcttaatgatcctgcat	vvi-miR172b compl_mismatch probe
vvi miR-1777 nat as	cttgactgaaggagctccc	vvi-miR172c compl_perfect match
vvi miR-1777 2mut as	cttgaactgaagtgcctccc	probe
vvi miR-1778 nat as	tttgactgaaggagctcct	vvi-miR172c compl_mismatch probe
vvi miR-1778 2mut as	tttgaactgaagtgcctcct	vvi-miR172d compl_perfect match
vvi miR-1779 nat as	attggactgaaggagctccc	probe
vvi miR-1779 2mut as	attgaactgaagtgcctccc	vvi-miR172d compl_mismatch probe
vvi miR-1780 nat as	aagctcaggaggatagcgcc	vvi-miR319b compl_perfect match
vvi miR-1780 2mut as	aagctcagaagtgatagcgcc	probe
vvi miR-1781 nat as	tccaaaggatcgattgatcc	vvi-miR319b compl_mismatch probe
vvi miR-1781 2mut as	tccaaagtgatccattgatcc	vvi-miR319e compl_perfect match
		probe
		vvi-miR319g compl_perfect match
		probe
		vvi-miR319g compl_mismatch probe
		vvi-miR390 compl_perfect match
		probe
		vvi-miR390 compl_mismatch probe
		vvi-miR393a compl_perfect match
		probe
		vvi-miR393a compl_mismatch probe

vvi miR-1782 nat as	ttggcattctgtccacctcc	vvi-miR394a compl_perfect match probe
vvi miR-1782 2mut as	ttggaattctgtcaacctcc	vvi-miR394a compl_mismatch probe
vvi miR-1783 nat as	ctgaagtgtttgggggaactc	vvi-miR395a compl_perfect match probe
vvi miR-1783 2mut as	ctgaagcgtttgggtgaactc	vvi-miR395a compl_mismatch probe
vvi miR-1784 nat as	ctgaagagtctggaggaactc	vvi-miR395n compl_perfect match probe
vvi miR-1784 2mut as	ctgaagagcctcgaggaactc	vvi-miR395n compl_mismatch probe
vvi miR-1785 nat as	ctcccacagctttcttgagctt	vvi-miR396a compl_perfect match probe
vvi miR-1785 2mut as	ctcccacagttttcttaagctt	vvi-miR396a compl_mismatch probe
vvi miR-1786 nat as	ttcccacagctttcttgaactt	vvi-miR396b compl_perfect match probe
vvi miR-1786 2mut as	ttcccacagttttcttaaactt	vvi-miR396b compl_mismatch probe
vvi miR-1787 nat as	ttccacagctttcttgaactg	vvi-miR396c compl_perfect match probe
vvi miR-1787 2mut as	ttccacagttttcttaaactg	vvi-miR396c compl_mismatch probe
vvi miR-1788 nat as	tcattgagtgcagcgttgatg	vvi-miR397a compl_perfect match probe
vvi miR-1788 2mut as	tcattgagtgaagagttgatg	vvi-miR397a compl_mismatch probe
vvi miR-1789 nat as	tgtgttctcaggtcaccctt	vvi-miR398a compl_perfect match probe
vvi miR-1789 2mut as	tgtgttctcacgtcactcctt	vvi-miR398a compl_mismatch probe
vvi miR-1790 nat as	tgtgttctcaggtcgcccctg	vvi-miR398b compl_perfect match probe
vvi miR-1790 2mut as	tgtgttctcacgtccccctg	vvi-miR398b compl_mismatch probe
vvi miR-1791 nat as	tgccaaaggagaattgccctg	vvi-miR399a compl_perfect match probe
vvi miR-1791 2mut as	tgccaaagaagaattgtcctg	vvi-miR399a compl_mismatch probe
vvi miR-1792 nat as	tgccaaaggagagttgccctg	vvi-miR399b compl_perfect match probe
vvi miR-1792 2mut as	tgccaaagaagagttgtcctg	vvi-miR399b compl_mismatch probe
vvi miR-1793 nat as	tgccaaaggagatttgctcgt	vvi-miR399d compl_perfect match

vvi miR-1793 2mut as	tgccaaagaagatttcctcg	probe vvi-miR399d compl_mismatch probe vvi-miR399e compl_perfect match probe
vvi miR-1794 nat as vvi miR-1794 2mut as	tgccaaaggagattgcccg tgccaaagaagattgtccgg	vvi-miR399e compl_mismatch probe vvi-miR399f compl_perfect match probe
vvi miR-1795 nat as vvi miR-1795 2mut as	tgccgaaggagattgtcctg tgccaaaggagatttctcctg	vvi-miR399f compl_mismatch probe vvi-miR399g compl_perfect match probe
vvi miR-1796 nat as vvi miR-1796 2mut as	tgccaaaggagattgccct tgccaaagaagattgtccct	vvi-miR399g compl_mismatch probe vvi-miR399i compl_perfect match probe
vvi miR-1797 nat as vvi miR-1797 2mut as	cgccaaaggagagttgccctg cgccaaagaagagttgtcctg	vvi-miR399i compl_mismatch probe vvi-miR403a compl_perfect match probe
vvi miR-1798 nat as vvi miR-1798 2mut as	ttagattcacgcacaaactcg ttagattcaccaacaaactcg	vvi-miR403a compl_mismatch probe vvi-miR408 compl_perfect match probe
vvi miR-1799 nat as vvi miR-1799 2mut as	atgcactgcctcttcctggc atgcactgtctcttctctggc	vvi-miR408 compl_mismatch probe vvi-miR477a compl_perfect match probe
vvi miR-1800 nat as vvi miR-1800 2mut as	atctccctcaaaggcttccaa atctctctcaaagccttccaa	vvi-miR477a compl_mismatch probe vvi-miR479 compl_perfect match probe
vvi miR-1801 nat as vvi miR-1801 2mut as	tgtggtattggttcggctcatc tgtggtattcgttcgcctcatc	vvi-miR479 compl_mismatch probe vvi-miR482a compl_perfect match probe
vvi miR-1802 nat as vvi miR-1802 2mut as	cctactcctccattcc cctacttctctcattcc	vvi-miR482a compl_mismatch probe vvi-miR535a compl_perfect match probe
vvi miR-1803 nat as vvi miR-1803 2mut as	tgacaacgagagagagcacgct tgacaaagagagagagaacgct	vvi-miR535a compl_mismatch probe vvi-miR828a compl_perfect match probe
vvi miR-1804 nat as	tcttgctcaaagtattccca	

vvi miR-1804 2mut as	tcttctcaaataagtattcca	vvi-miR828a compl_mismatch probe
vvi miR-1805 nat as	tcttgctcaaatgagtgtcca	vvi-miR828b compl_perfect match probe
vvi miR-1805 2mut as	tcttctcaaatagagcgtcca	vvi-miR828b compl_mismatch probe
vvi miR-1806 nat as	tagctctgataccaattgata	vvi-miR845a compl_perfect match probe
vvi miR-1806 2mut as	tagctccgatacaaatgata	vvi-miR845a compl_mismatch probe
vvi miR-1807 nat as	aggctctgataccaattgatg	vvi-miR845c compl_perfect match probe
vvi miR-1807 2mut as	aggctccgatacaaatgatg	vvi-miR845c compl_mismatch probe
vvi miR-1808 nat as	tggctctgataccaattgatg	vvi-miR845d compl_perfect match probe
vvi miR-1808 2mut as	tggctccgatacaaatgatg	vvi-miR845d compl_mismatch probe
vvi miR-1809 nat as	gtgctctctcttctctgtca	vvi-miR156a *compl_perfect match probe
vvi miR-1809 2mut as	gtgctctcccttcttccgtca	vvi-miR156a *compl_mismatch probe
vvi miR-1810 nat as	gtgctcattctcttctgtca	vvi-miR156b *compl_perfect match probe
vvi miR-1810 2mut as	gtgctaatttcttcttccgtca	vvi-miR156b *compl_mismatch probe
vvi miR-1811 nat as	gtgctcactctctatctgtca	vvi-miR156c *compl_perfect match probe
vvi miR-1811 2mut as	gtgctccctctctatccgtca	vvi-miR156c *compl_mismatch probe
vvi miR-1812 nat as	gtgctcacctctcttctgtca	vvi-miR156d *compl_perfect match probe
vvi miR-1812 2mut as	gtgctcatctcttcttccgtca	vvi-miR156d *compl_mismatch probe
vvi miR-1813 nat as	gtgcttactccctatctgtca	vvi-miR156e *compl_perfect match probe
vvi miR-1813 2mut as	gtgcttactcttctatctgtca	vvi-miR156e *compl_mismatch probe
vvi miR-1814 nat as	gtcctctctcttctctgtcaa	vvi-miR156f *compl_perfect match

vvi miR-1814 2mut as	gtcctctccccttctctgtcaa	probe vvi-miR156f *compl_mismatch probe
vvi miR-1815 nat as	gtgctctctagacttctgtca	vvi-miR156g *compl_perfect match probe
vvi miR-1815 2mut as	gtgctccctagccttctgtca	vvi-miR156g *compl_mismatch probe
vvi miR-1816 nat as	gttctttctgcgcctttca	vvi-miR156h *compl_perfect match probe
vvi miR-1816 2mut as	gttctttctccccctttca	vvi-miR156h *compl_mismatch probe
vvi miR-1817 nat as	gtgctctctattcttctgtca	vvi-miR156i *compl_perfect match probe
vvi miR-1817 2mut as	gtgctccctattcttccgtca	vvi-miR156i *compl_mismatch probe
vvi miR-1818 nat as	gggagctcctttacgtccag	vvi-miR159a *compl_perfect match probe
vvi miR-1818 2mut as	gggagttcctttaccctccag	vvi-miR159a *compl_mismatch probe
vvi miR-1819 nat as	tgggagcttctttacactccag	vvi-miR159b *compl_perfect match probe
vvi miR-1819 2mut as	tgggagtttctttaccctccag	vvi-miR159b *compl_mismatch probe
vvi miR-1820 nat as	tggagctccttgaagtccaa	vvi-miR159c *compl_perfect match probe
vvi miR-1820 2mut as	tggagttccttgaagccaa	vvi-miR159c *compl_mismatch probe
vvi miR-1821 nat as	tggcatcagaggagtcagca	vvi-miR160a *compl_perfect match probe
vvi miR-1821 2mut as	tggcatcagacaagtcagca	vvi-miR160a *compl_mismatch probe
vvi miR-1822 nat as	tggcatgaggggagtcagca	vvi-miR160b *compl_perfect match probe
vvi miR-1822 2mut as	tggcatgaggttaagtcagca	vvi-miR160b *compl_mismatch probe
vvi miR-1823 nat as	tggcgtgcgaggagccaagca	vvi-miR160c *compl_perfect match

vvi miR-1823 2mut as	tggcgtgagaggagtcaagca	probe vvi-miR160c *compl_mismatch
vvi miR-1824 nat as	tggcgtgcgaggagccatgca	probe vvi-miR160d *compl_perfect match
vvi miR-1824 2mut as	tggcgtgagaggagtcatgca	probe vvi-miR160d *compl_mismatch
vvi miR-1825 nat as	tggcatgaggggagtcaagca	probe vvi-miR160e *compl_perfect match
vvi miR-1825 2mut as	tggcatgaggttaagtcaagca	probe vvi-miR160e *compl_mismatch
vvi miR-1826 nat as	tggcgtatgaggagccatgca	probe vvi-miR160f *compl_perfect match
vvi miR-1826 2mut as	tggcctatgaggagtcatgca	probe vvi-miR160f *compl_mismatch probe
vvi miR-1827 nat as	ctggatgcagcggttcatcga	probe vvi-miR162 *compl_perfect match
vvi miR-1827 2mut as	ctggatgcagaagttcatcga	probe vvi-miR162 *compl_mismatch probe
vvi miR-1828 nat as	gcacgtgctcccccttctcca	probe vvi-miR164a *compl_perfect match
vvi miR-1828 2mut as	gcacgtcctcctcttctcca	probe vvi-miR164a *compl_mismatch
vvi miR-1829 nat as	catgtgccctggctctcc	probe vvi-miR164b *compl_perfect match
vvi miR-1829 2mut as	catgtgtcctgcctctcc	probe vvi-miR164b *compl_mismatch
vvi miR-1830 nat as	tgcacgtgctcccccttctcca	probe vvi-miR164d *compl_perfect match
vvi miR-1830 2mut as	tgcacgtcctcctcttctcca	probe vvi-miR164d *compl_mismatch
vvi miR-1831 nat as	ggggaatgtgtctggctcga	probe vvi-miR166c *compl_perfect match
vvi miR-1831 2mut as	ggggaatgttctctgcctcga	probe vvi-miR166c *compl_mismatch
vvi miR-1832 nat as	aggggattgtgtctggctcga	probe vvi-miR166d *compl_perfect match

vvi miR-1832 2mut as	agggaattgttctgcctcga	probe vvi-miR166d *compl_mismatch
vvi miR-1833 nat as	ggggaatgttctggctcga	probe vvi-miR166e *compl_perfect match
vvi miR-1833 2mut as	ggggaatgttctgcctcga	probe vvi-miR166e *compl_mismatch
vvi miR-1834 nat as	ggggaatgttgctggctcga	probe vvi-miR166f *compl_perfect match
vvi miR-1834 2mut as	ggggaatgttcgctgcctcga	probe vvi-miR166f *compl_mismatch probe
vvi miR-1835 nat as	aggggaatgttctggttcga	probe vvi-miR166g *compl_perfect match
vvi miR-1835 2mut as	agggaaatgttctcgttcga	probe vvi-miR166g *compl_mismatch
vvi miR-1836 nat as	ggggaacgctgtcgttcga	probe vvi-miR166h *compl_perfect match
vvi miR-1836 2mut as	ggggaaccctgtcgttcga	probe vvi-miR166h *compl_mismatch
vvi miR-1837 nat as	ttggaatgaggttgatccaa	probe vvi-miR166a *compl_perfect match
vvi miR-1837 2mut as	ttggaatgagctttaatccaa	probe vvi-miR166a *compl_mismatch
vvi miR-1838 nat as	ggggaatgttgctggctcga	probe vvi-miR166b *compl_perfect match
vvi miR-1838 2mut as	ggggaatgttcgctgcctcga	probe vvi-miR166b *compl_mismatch
vvi miR-1839 nat as	caggtcatcttcagcttca	probe vvi-miR167a *compl_perfect match
vvi miR-1839 2mut as	caggccatctgaagcttca	probe vvi-miR167a *compl_mismatch
vvi miR-1840 nat as	tagatcatgtggcagttca	probe vvi-miR167b *compl_perfect match
vvi miR-1840 2mut as	tagatcatgcgccagttca	probe vvi-miR167b *compl_mismatch

vvi miR-1841 nat as	agatcatgtggtagcctca	vvi-miR167c *compl_perfect match probe
vvi miR-1841 2mut as	agatcatgtcgtagtctca	vvi-miR167c *compl_mismatch probe
vvi miR-1842 nat as	taggtcatgccctgacagcctca	vvi-miR167d *compl_perfect match probe
vvi miR-1842 2mut as	taggtcatgtcctgacagtctca	vvi-miR167d *compl_mismatch probe
vvi miR-1843 nat as	agatcatgtggcagtttca	vvi-miR167e *compl_perfect match probe
vvi miR-1843 2mut as	agatcatgtcccagtttca	vvi-miR167e *compl_mismatch probe
vvi miR-1844 nat as	tccgccttgcatcaactga	vvi-miR168 *compl_perfect match probe
vvi miR-1844 2mut as	tcccccttgaatcaactga	vvi-miR168 *compl_mismatch probe
vvi miR-1845 nat as	ctggcaagttgccttggt	vvi-miR169a *compl_perfect match probe
vvi miR-1845 2mut as	ctggaaagttgttcttggt	vvi-miR169a *compl_mismatch probe
vvi miR-1846 nat as	ggcaagtctccttgga	vvi-miR169y *compl_perfect match probe
vvi miR-1846 2mut as	ggcaagccttcttgga	vvi-miR169y *compl_mismatch probe
vvi miR-1847 nat as	cggtagtcatccttggtc	vvi-miR169b *compl_perfect match probe
vvi miR-1847 2mut as	cggtagccatccttggtc	vvi-miR169b *compl_mismatch probe
vvi miR-1848 nat as	ccggcaagttgccttggt	vvi-miR169c *compl_perfect match probe
vvi miR-1848 2mut as	ccggaaagttgttcttggt	vvi-miR169c *compl_mismatch probe
vvi miR-1849 nat as	ctggcaagttgccttggt	vvi-miR169d *compl_perfect match probe
vvi miR-1849 2mut as	ctggaaagttgttcttggt	vvi-miR169d *compl_mismatch probe

vvi miR-1850 nat as	caggcagtcaccttgctaa	probe vvi-miR169e *compl_perfect match
vvi miR-1850 2mut as	caggaagtcacctgcctaa	probe vvi-miR169e *compl_mismatch
vvi miR-1851 nat as	ggcaagttgtttggct	probe vvi-miR169f *compl_perfect match
vvi miR-1851 2mut as	ggcaagttccgttggct	probe vvi-miR169f *compl_mismatch probe
vvi miR-1852 nat as	ggcaagttgtcttggct	probe vvi-miR169g *compl_perfect match
vvi miR-1852 2mut as	ggcaagttcccttggct	probe vvi-miR169g *compl_mismatch
vvi miR-1853 nat as	cggagggttatcctgactc	probe vvi-miR169h *compl_perfect match
vvi miR-1853 2mut as	cggagtgtattctgactc	probe vvi-miR169h *compl_mismatch
vvi miR-1854 nat as	acggctggtatccctgtctc	probe vvi-miR169i *compl_perfect match
vvi miR-1854 2mut as	acggttggttatctctgtctc	probe vvi-miR169i *compl_mismatch probe
vvi miR-1855 nat as	ctggcaggtgtccttggct	probe vvi-miR169j *compl_perfect match
vvi miR-1855 2mut as	ctggaaggtgttcttggct	probe vvi-miR169j *compl_mismatch probe
vvi miR-1856 nat as	ctggcaggtgtccttggct	probe vvi-miR169k *compl_perfect match
vvi miR-1856 2mut as	ctggaaggtgttcttggct	probe vvi-miR169k *compl_mismatch
vvi miR-1857 nat as	acggctagttattcttggctc	probe vvi-miR169l *compl_perfect match
vvi miR-1857 2mut as	acggttagttattcttggctc	probe vvi-miR169l *compl_mismatch probe
vvi miR-1858 nat as	ctggcaagcatccaggctc	probe vvi-miR169m *compl_perfect match
vvi miR-1858 2mut as	ctggcaagaatcaggctc	probe vvi-miR169m *compl_mismatch
vvi miR-1859 nat as	cataactggcaagcatctgaggctc	probe vvi-miR169n *compl_perfect match

vvi miR-1859 2mut as	cataactgccaagaatctgaggctc	probe vvi-miR169n *compl_mismatch
vvi miR-1860 nat as	gacagcgagttattcttgctc	probe vvi-miR169o *compl_perfect match
vvi miR-1860 2mut as	gacagagagttattctcgctc	probe vvi-miR169o *compl_mismatch
vvi miR-1861 nat as	ctggcaagcatccgaggctc	probe vvi-miR169p *compl_perfect match
vvi miR-1861 2mut as	ctggcaagaatcagaggctc	probe vvi-miR169p *compl_mismatch
vvi miR-1862 nat as	ccggcatgtaatcctggctc	probe vvi-miR169q *compl_perfect match
vvi miR-1862 2mut as	ccggaatgtaatcctcgctc	probe vvi-miR169q *compl_mismatch
vvi miR-1863 nat as	cggcaagttgacttgactca	probe vvi-miR169r *compl_perfect match
vvi miR-1863 2mut as	cggcaagttaacttgctca	probe vvi-miR169r *compl_mismatch probe
vvi miR-1864 nat as	ccggcaagttgttctggct	probe vvi-miR169s *compl_perfect match
vvi miR-1864 2mut as	ccggaaagttgttctggct	probe vvi-miR169s *compl_mismatch
vvi miR-1865 nat as	cggcaagttgacttgactc	probe vvi-miR169t *compl_perfect match
vvi miR-1865 2mut as	cggcaagttaccttgactc	probe vvi-miR169t *compl_mismatch probe
vvi miR-1866 nat as	cggcaagttgacttgactc	probe vvi-miR169u *compl_perfect match
vvi miR-1866 2mut as	cggcaagttaccttgactc	probe vvi-miR169u *compl_mismatch
vvi miR-1867 nat as	tcggcaatttattcttgct	probe vvi-miR169v *compl_perfect match
vvi miR-1867 2mut as	tcggaaatttatttttgct	probe vvi-miR169v *compl_mismatch
vvi miR-1868 nat as	tcggcgagtcattcttagct	probe vvi-miR169w *compl_perfect match

vvi miR-1868 2mut as	tcggagagtcatttttagct	probe vvi-miR169w *compl_mismatch
vvi miR-1869 nat as	taggcagtcattccttcggcta	probe vvi-miR169x *compl_perfect match
vvi miR-1869 2mut as	taggaagtcattccttcagcta	probe vvi-miR169x *compl_mismatch
vvi miR-1870 nat as	catgatattggcacggctcaa	probe vvi-miR171a *compl_perfect match
vvi miR-1870 2mut as	catgatattgccacgcctcaa	probe vvi-miR171a *compl_mismatch
vvi miR-1871 nat as	ggtattggcgtgcctcaatt	probe vvi-miR171b *compl_perfect match
vvi miR-1871 2mut as	ggtattggagtgctcaatt	probe vvi-miR171b *compl_mismatch
vvi miR-1872 nat as	cgggatattggtgcggttcaa	probe vvi-miR171c *compl_perfect match
vvi miR-1872 2mut as	cgggatattcgtgaggttcaa	probe vvi-miR171c *compl_mismatch
vvi miR-1873 nat as	cgagatattgatacgggtcaa	probe vvi-miR171d *compl_perfect match
vvi miR-1873 2mut as	cgagatattaatacagttcaa	probe vvi-miR171d *compl_mismatch
vvi miR-1874 nat as	gatgttggtgaggttcaatc	probe vvi-miR171e *compl_perfect match
vvi miR-1874 2mut as	gatgttcgtgagcttcaatc	probe vvi-miR171e *compl_mismatch
vvi miR-1875 nat as	agcgatgttggtgaggttcaa	probe vvi-miR171f *compl_perfect match
vvi miR-1875 2mut as	agcgatgttcgtgagcttcaa	probe vvi-miR171f *compl_mismatch
vvi miR-1876 nat as	atgttggtccatcgg	probe vvi-miR171g *compl_perfect match
vvi miR-1876 2mut as	atgttcgttcaatcgg	probe vvi-miR171g *compl_mismatch

vvi miR-1877 nat as	gatgttggtgcggttcaacc	vvi-miR171h *compl_perfect match probe
vvi miR-1877 2mut as	gatgttggtcaggttcaacc	vvi-miR171h *compl_mismatch probe
vvi miR-1878 nat as	ggggatgttggaatggctcaa	vvi-miR171i *compl_perfect match probe
vvi miR-1878 2mut as	ggggatgttcgaatgcctcaa	vvi-miR171i *compl_mismatch probe
vvi miR-1879 nat as	atgcagcatcatcaagattc	vvi-miR172a *compl_perfect match probe
vvi miR-1879 2mut as	atgcagaatcataaagattc	vvi-miR172a *compl_mismatch probe
vvi miR-1880 nat as	tgcagcatcatcaagattc	vvi-miR172b *compl_perfect match probe
vvi miR-1880 2mut as	tgcagaatcataaagattc	vvi-miR172b *compl_mismatch probe
vvi miR-1881 nat as	tggagcatcatcaagattc	vvi-miR172c *compl_perfect match probe
vvi miR-1881 2mut as	tggagaatcataaagattc	vvi-miR172c *compl_mismatch probe
vvi miR-1882 nat as	atgcagcatcatcaagattc	vvi-miR172d *compl_perfect match probe
vvi miR-1882 2mut as	atgcagaatcataaagattc	vvi-miR172d *compl_mismatch probe
vvi miR-1883 nat as	ggagctctcttagtccag	vvi-miR319b *compl_perfect match probe
vvi miR-1883 2mut as	ggagtctcttagcccag	vvi-miR319b *compl_mismatch probe
vvi miR-1884 nat as	gagagcttcttcagtcca	vvi-miR319c *compl_perfect match probe
vvi miR-1884 2mut as	gagagtttcttcagtcca	vvi-miR319c *compl_mismatch probe
vvi miR-1885 nat as	gggggttccttgcagcccaaa	vvi-miR319e *compl_perfect match probe
vvi miR-1885 2mut as	ggggcttccttgcagtccaaa	vvi-miR319e *compl_mismatch probe

vvi miR-1886 nat as	gagagcttccttcagcca	probe
vvi miR-1886 2mut as	gagagtttccttcgcca	vvi-miR319f *compl_perfect match
vvi miR-1887 nat as	gagctccttttagccaat	probe
vvi miR-1887 2mut as	gagcttcttttagtcaat	vvi-miR319f *compl_mismatch probe
vvi miR-1888 nat as	ggcgctatctatcctgagttt	vvi-miR319g *compl_perfect match
vvi miR-1888 2mut as	ggcgttatctattctgagttt	probe
vvi miR-1889 nat as	ggatcatgctatcccttagga	vvi-miR390 *compl_perfect match
vvi miR-1889 2mut as	ggatcctctatctcttagga	probe
vvi miR-1890 nat as	ggatcatgctatcccttggga	vvi-miR390 *compl_mismatch probe
vvi miR-1890 2mut as	ggatcctctatctcttggga	vvi-miR393a *compl_perfect match
vvi miR-1891 nat as	ggaggtggccagcatgccaa	probe
vvi miR-1891 2mut as	ggaggtggcagcatcccaa	vvi-miR393a *compl_mismatch
vvi miR-1892 nat as	ggaggtgggcatactgccaa	probe
vvi miR-1892 2mut as	ggaggtggccatactcccaa	vvi-miR393b *compl_perfect match
vvi miR-1893 nat as	ggaggcggccaggatgccaa	probe
vvi miR-1893 2mut as	ggaggaggccaggatcccaa	vvi-miR393b *compl_mismatch
vvi miR-1894 nat as	gagttccttgatcaactca	probe
vvi miR-1894 2mut as	gagttctcttgatccctca	vvi-miR394a *compl_perfect match
		probe
		vvi-miR394a *compl_mismatch
		probe
		vvi-miR394b *compl_perfect match
		probe
		vvi-miR394b *compl_mismatch
		probe
		vvi-miR394c *compl_perfect match
		probe
		vvi-miR394c *compl_mismatch
		probe
		vvi-miR395a *compl_perfect match
		probe
		vvi-miR395a *compl_mismatch

vvi miR-1895 nat as	gagttccccttaccacttca	probe vvi-miR395b *compl_perfect match
vvi miR-1895 2mut as	gagttcctcttacaacttca	probe vvi-miR395b *compl_mismatch
vvi miR-1896 nat as	gagttccccttgaccacttca	probe vvi-miR395c *compl_perfect match
vvi miR-1896 2mut as	gagttctcttgacaacttca	probe vvi-miR395c *compl_mismatch
vvi miR-1897 nat as	gagttcccctgaccacttca	probe vvi-miR395d *compl_perfect match
vvi miR-1897 2mut as	gagttcctctgacaacttca	probe vvi-miR395d *compl_mismatch
vvi miR-1898 nat as	gagttcccctgaccacttca	probe vvi-miR395e *compl_perfect match
vvi miR-1898 2mut as	gagttctcttgacaacttca	probe vvi-miR395e *compl_mismatch
vvi miR-1899 nat as	gagttcccctgaccacttca	probe vvi-miR395f *compl_perfect match
vvi miR-1899 2mut as	gagttcctctgacaacttca	probe vvi-miR395f *compl_mismatch probe
vvi miR-1900 nat as	gagttcccctgagcacttca	probe vvi-miR395g *compl_perfect match
vvi miR-1900 2mut as	gagttcctctgagaacttca	probe vvi-miR395g *compl_mismatch
vvi miR-1901 nat as	gagttcccctgaccacttca	probe vvi-miR395h *compl_perfect match
vvi miR-1901 2mut as	gagttctcttgacaacttca	probe vvi-miR395h *compl_mismatch
vvi miR-1902 nat as	gagttcccctgaccacttca	probe vvi-miR395i *compl_perfect match
vvi miR-1902 2mut as	gagttcctctgacaacttca	probe vvi-miR395i *compl_mismatch probe
vvi miR-1903 nat as	gagttcccctgaccacttca	probe vvi-miR395j *compl_perfect match
vvi miR-1903 2mut as	gagttcctctgacaacttca	probe vvi-miR395j *compl_mismatch probe

vvi miR-1904 nat as	gagttcccttgaccacttca	vvi-miR395k *compl_perfect match probe
vvi miR-1904 2mut as	gagttctcttgacaacttca	vvi-miR395k *compl_mismatch probe
vvi miR-1905 nat as	gagttcccctgaccacttca	vvi-miR395l *compl_perfect match probe
vvi miR-1905 2mut as	gagttcctctgacaacttca	vvi-miR395l *compl_mismatch probe
vvi miR-1906 nat as	gagttcccttgaacacttca	vvi-miR395m *compl_perfect match probe
vvi miR-1906 2mut as	gagttctcttgaacccttca	vvi-miR395m *compl_mismatch probe
vvi miR-1907 nat as	gagttccccaaccctccag	vvi-miR395n *compl_perfect match probe
vvi miR-1907 2mut as	gagttccctcaacctctccag	vvi-miR395n *compl_mismatch probe
vvi miR-1908 nat as	agttcaagaaagctgtgg	vvi-miR396a *compl_perfect match probe
vvi miR-1908 2mut as	agttaagaaagttgtgg	vvi-miR396a *compl_mismatch probe
vvi miR-1909 nat as	aagttcaagaaagctgtggaaa	vvi-miR396b *compl_perfect match probe
vvi miR-1909 2mut as	aagttaagaaagttgtggaaa	vvi-miR396b *compl_mismatch probe
vvi miR-1910 nat as	cagctcaggaaagttgtggaa	vvi-miR396c *compl_perfect match probe
vvi miR-1910 2mut as	cagctcagaaaagttgcggaa	vvi-miR396c *compl_mismatch probe
vvi miR-1911 nat as	cggttcaataaagctgtggga	vvi-miR396d *compl_perfect match probe
vvi miR-1911 2mut as	cggttaataaagttgtggga	vvi-miR396d *compl_mismatch probe
vvi miR-1912 nat as	cattggcgctgcactcaatca	vvi-miR397a *compl_perfect match probe
vvi miR-1912 2mut as	cattggccctgaactcaatca	vvi-miR397a *compl_mismatch probe

vvi miR-1913 nat as	cattggcgctgcaactcaatca	probe vvi-miR397b *compl_perfect match
vvi miR-1913 2mut as	cattggccctgaactcaatca	probe vvi-miR397b *compl_mismatch
vvi miR-1914 nat as	agggagtggcacctgagaacac	probe vvi-miR398a *compl_perfect match
vvi miR-1914 2mut as	agggagtgccatctgagaacac	probe vvi-miR398a *compl_mismatch
vvi miR-1915 nat as	caggtgtgacctgagaatcaca	probe vvi-miR398b *compl_perfect match
vvi miR-1915 2mut as	caggtgtgatccgagaatcaca	probe vvi-miR398b *compl_mismatch
vvi miR-1916 nat as	caggagtgacctgagaatcaca	probe vvi-miR398c *compl_perfect match
vvi miR-1916 2mut as	caggagtgatccgagaatcaca	probe vvi-miR398c *compl_mismatch
vvi miR-1917 nat as	cagtgtgattctctttggca	probe vvi-miR399a *compl_perfect match
vvi miR-1917 2mut as	cagtgcgattctctttggca	probe vvi-miR399a *compl_mismatch
vvi miR-1918 nat as	tagggcacctctttcttggca	probe vvi-miR399b *compl_perfect match
vvi miR-1918 2mut as	taggccacctcttttttggca	probe vvi-miR399b *compl_mismatch
vvi miR-1919 nat as	cagggcctctttcacttgga	probe vvi-miR399c *compl_perfect match
vvi miR-1919 2mut as	cagggctctttcccttgga	probe vvi-miR399c *compl_mismatch
vvi miR-1920 nat as	gagcagattcttttggca	probe vvi-miR399d *compl_perfect match
vvi miR-1920 2mut as	gagccgatttttttggca	probe vvi-miR399d *compl_mismatch
vvi miR-1921 nat as	gggcaaattatcttttggca	probe vvi-miR399e *compl_perfect match

vvi miR-1921 2mut as	gggccaattatTTTTGGCA	probe vvi-miR399e *compl_mismatch
vvi miR-1922 nat as	cattagagggccaaatctgcttggca	probe
vvi miR-1922 2mut as	cattagaggggtcaaatctccttggca	vvi-miR399f *compl_perfect match
vvi miR-1923 nat as	gggcaataactccattggca	probe
vvi miR-1923 2mut as	gggcaatattcaattggca	vvi-miR399f *compl_mismatch probe
vvi miR-1924 nat as	cagtgc aaatcctccttggca	vvi-miR399g *compl_perfect match
vvi miR-1924 2mut as	cagtgaatccttcttggca	probe
vvi miR-1925 nat as	tagggcttctctccttctggc	vvi-miR399g *compl_mismatch
vvi miR-1925 2mut as	taggccttctcttcttctggc	probe
vvi miR-1926 nat as	agtttgtgcgtgaatcaaa	vvi-miR399h *compl_perfect match
vvi miR-1926 2mut as	agtttgtgagcgaatcaaa	probe
vvi miR-1927 nat as	cgagtttgtgcgcaatccaa	vvi-miR399i *compl_mismatch probe
vvi miR-1927 2mut as	cgagtttgtgagagaatccaa	vvi-miR403a *compl_perfect match
vvi miR-1928 nat as	caagtttgtgcgtgaatcaaa	probe
vvi miR-1928 2mut as	caagtttgtgactgaatcaaa	vvi-miR403a *compl_mismatch
vvi miR-1929 nat as	cgagtttgtgcgcaatc	probe
vvi miR-1929 2mut as	cgagtttgcgcgagaatc	vvi-miR403b *compl_perfect match
vvi miR-1930 nat as	caagtttgtgcgtgaatcaaa	probe
		vvi-miR403b *compl_mismatch
		vvi-miR403c *compl_perfect match
		probe
		vvi-miR403c *compl_mismatch
		probe
		vvi-miR403d *compl_perfect match
		probe
		vvi-miR403d *compl_mismatch
		probe
		vvi-miR403e *compl_perfect match

vvi miR-1930 2mut as	caagtttgtgactgaatcaaa	probe vvi-miR403e *compl_mismatch
vvi miR-1931 nat as	gagtttgtgcgtgactctaa	probe
vvi miR-1931 2mut as	gagtttgtgactgactctaa	vvi-miR403f *compl_perfect match
vvi miR-1932 nat as	cggggacgaggtagtgcac	probe
vvi miR-1932 2mut as	cggggaagagctagtgcac	vvi-miR403f *compl_mismatch probe
vvi miR-1933 nat as	ttggaagacagtgggggacct	vvi-miR408 *compl_perfect match
vvi miR-1933 2mut as	ttggaagaaagtgggtgacct	probe
vvi miR-1934 nat as	gacgagccgaaccaatatcac	vvi-miR408 *compl_mismatch probe
vvi miR-1934 2mut as	gacgagtcgaacaaatatcac	vvi-miR477a *compl_perfect match
vvi miR-1935 nat as	ggaattggagagtagg	probe
vvi miR-1935 2mut as	ggaattcgagactagg	vvi-miR477a *compl_mismatch
vvi miR-1936 nat as	ggcgtgctctctcgtgtca	probe
vvi miR-1936 2mut as	ggcgtcctctctccctgtca	vvi-miR479 *compl_perfect match
vvi miR-1937 nat as	ggcgtgctctctcgtgtca	probe
vvi miR-1937 2mut as	ggcgtcctctctccctgtca	vvi-miR479 *compl_mismatch probe
vvi miR-1938 nat as	ggcgtgctctctcgtgtca	vvi-miR482a *compl_perfect match
vvi miR-1938 2mut as	ggcgtcctctctccctgtca	probe
vvi miR-1939 nat as	ggcgtgctctctcgtgtca	vvi-miR482a *compl_mismatch
		probe
		vvi-miR535a *compl_perfect match
		probe
		vvi-miR535a *compl_mismatch
		probe
		vvi-miR535b *compl_perfect match
		probe
		vvi-miR535b *compl_mismatch
		probe
		vvi-miR535c *compl_perfect match
		probe
		vvi-miR535c *compl_mismatch
		probe
		vvi-miR535d *compl_perfect match
		probe

vvi miR-1939 2mut as	ggcgtcctctctgtccctgtca	vvi-miR535d *compl_mismatch probe
vvi miR-1940 nat as	ggcgtgctctctgtcgctgtca	vvi-miR535e *compl_perfect match probe
vvi miR-1940 2mut as	ggcgtcctctctgtccctgtca	vvi-miR535e *compl_mismatch probe
vvi miR-1941 nat as	tgagatgctcatttgaggaag	vvi-miR828a *compl_perfect match probe
vvi miR-1941 2mut as	tgagatcctcatttgacgaag	vvi-miR828a *compl_mismatch probe
vvi miR-1942 nat as	tggatagtcatttctgcaa	vvi-miR828b *compl_perfect match probe
vvi miR-1942 2mut as	tggatagccattttctgcaa	vvi-miR828b *compl_mismatch probe
vvi miR-1943 nat as	attagtccttcatgagtta	vvi-miR845a *compl_perfect match probe
vvi miR-1943 2mut as	attagtttctcataagtta	vvi-miR845a *compl_mismatch probe
vvi miR-1944 nat as	attagtccttcatgagtt	vvi-miR845b *compl_perfect match probe
vvi miR-1944 2mut as	attagtttctcataagtt	vvi-miR845b *compl_mismatch probe
vvi miR-1945 nat as	tgttttggttgctgagttt	vvi-miR845c *compl_perfect match probe
vvi miR-1945 2mut as	tgttttcgttctctgagttt	vvi-miR845c *compl_mismatch probe
vvi miR-1946 nat as	cattaattatccctagggcca	vvi-miR845d *compl_perfect match probe
vvi miR-1946 2mut as	cattaattattcctagtgcca	vvi-miR845d *compl_mismatch probe
vvi miR-1947 nat as	cattaattatccctagggcca	vvi-miR845e *compl_perfect match probe
vvi miR-1947 2mut as	cattaattattcctagtgcca	vvi-miR845e *compl_mismatch probe

Degradation and Negative control probes have been used to define background level. Mismatch probes have been designed by the Combimatrix Company for each perfect match probe, to assess the quality of each hybridization. For each miRNA precursor molecules many different probes have been designed. In particular there are probes designed on the predicted mature miRNA; probes designed on the predicted miRNA* (marked as |*); probes shifted of 5 or 10 nucleotide towards the 5' (|+5 and |+10) or the 3' (|-5 and |-10) with respect to the start of the expected mature miRNA; probes shifted of 5 or 10 nucleotide towards the 5' (|*+5 and |*+10) or the 3' (|*-5 and |*-10) with respect to the start of the expected mature miRNA*, probes of exactly 20 nucleotide designed on the predicted miRNA, when longer than 20nt (|0); probes of exactly 20 nucleotide designed on the predicted miRNA*, when longer than 20nt (|*0), probes designed on the precursor sequence, outside the miRNA or miRNA* region (|ctrl) and finally complementary probes to the miRNA probe (|compl) and to the miRNA* (|*compl).
