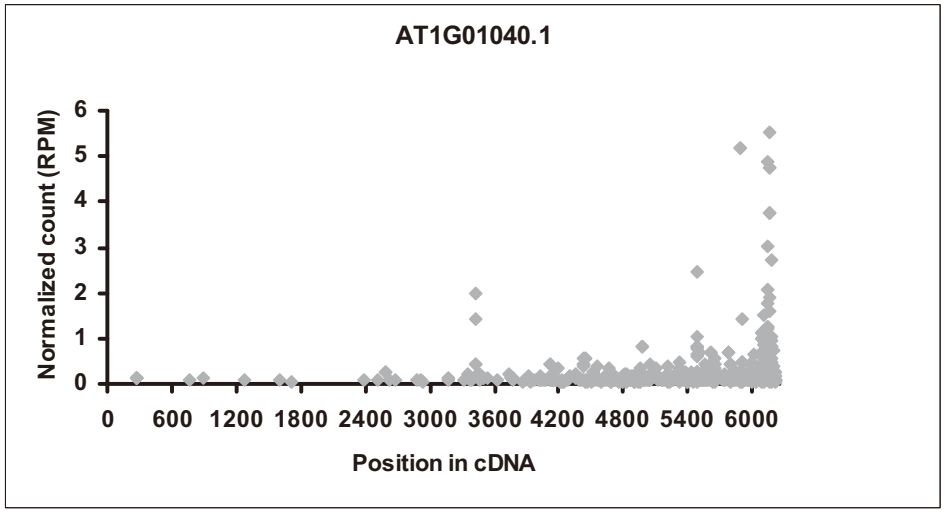
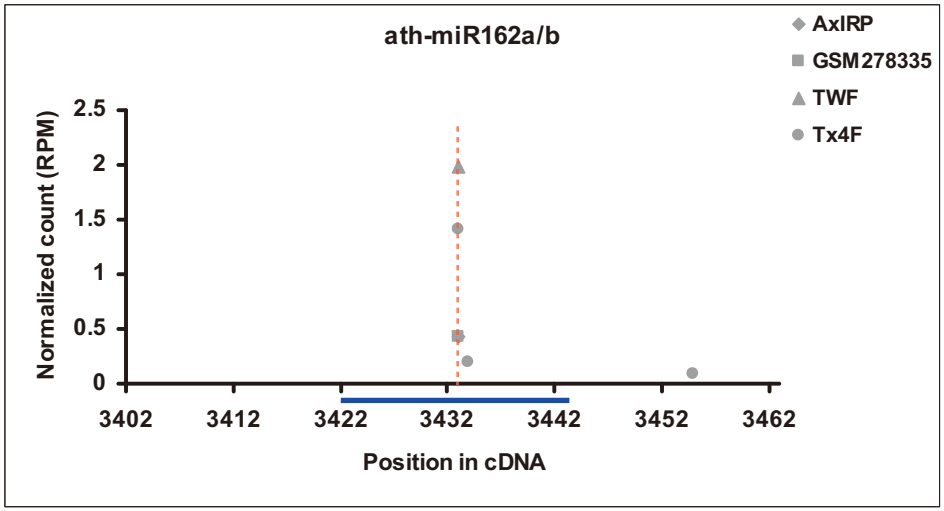
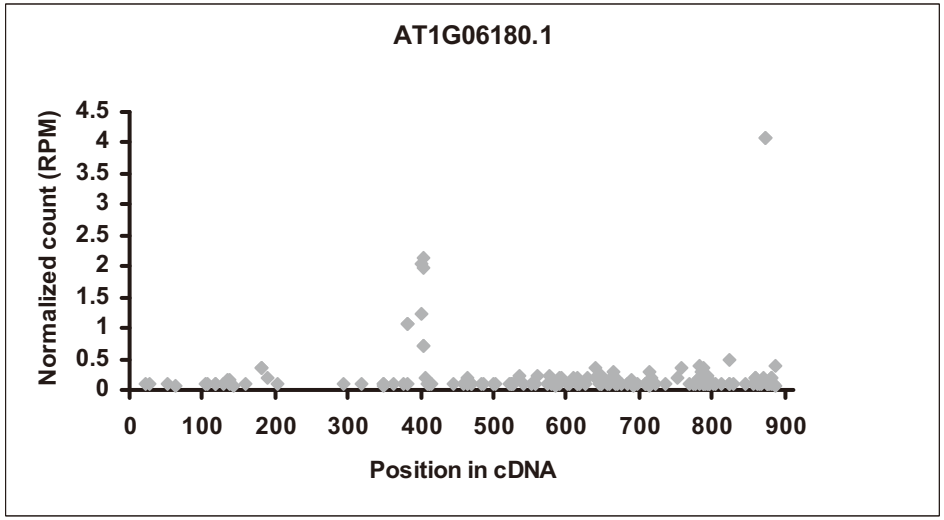
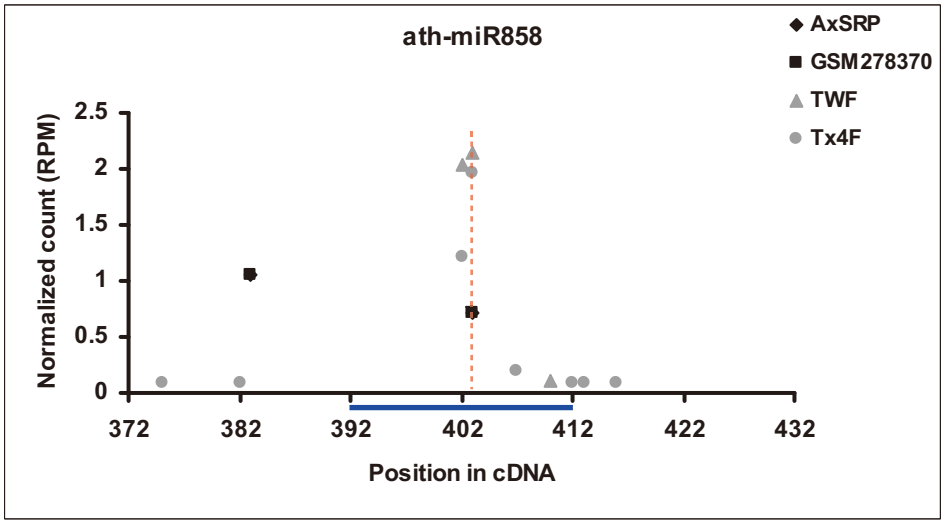
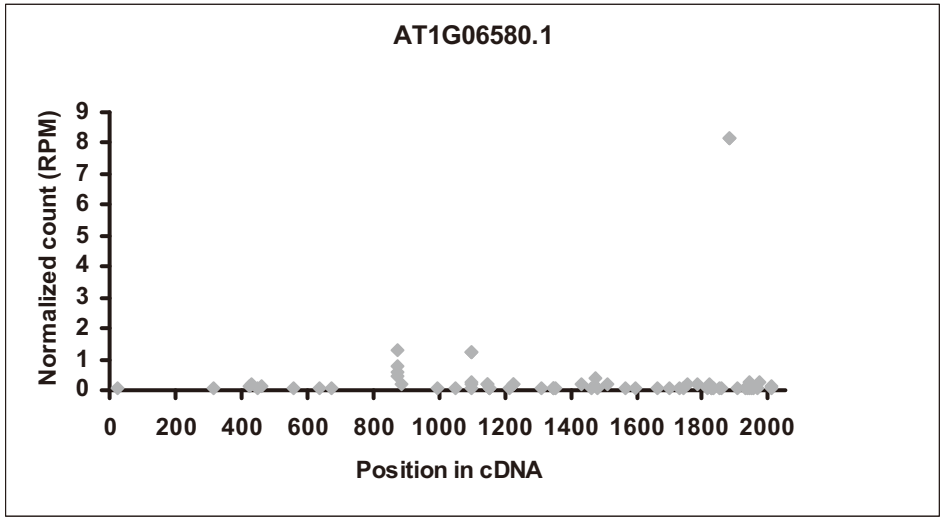
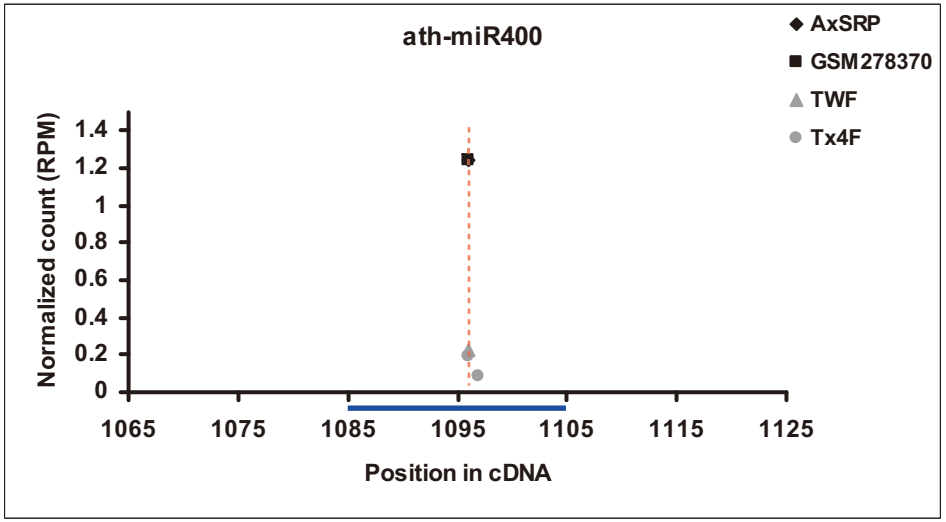

AT1G01040.1
Normalized count (RPM)
0
1
2
3
4
5
6
0
600
1200
1800
2400
3000
3600
4200
4800
5400
6000
Position in cDNA

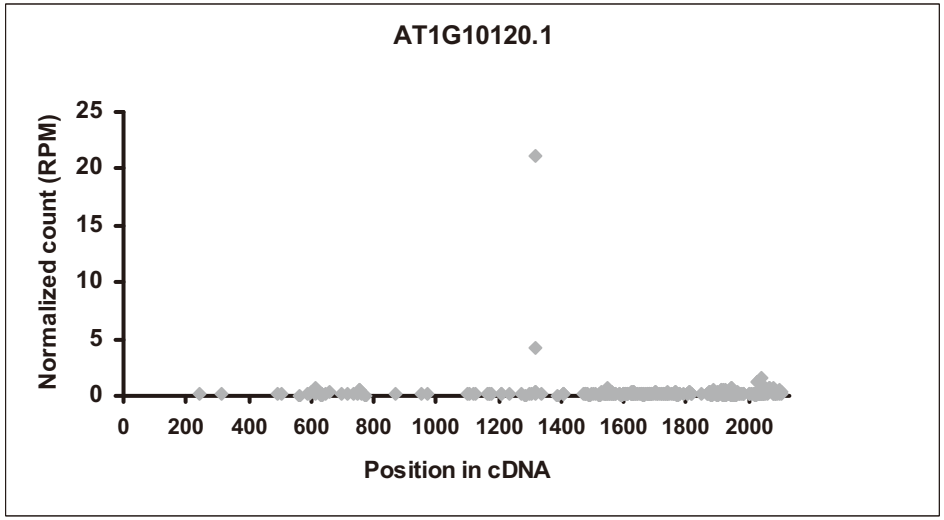

ath-miR162a/b
AxIRP
GSM278335
TWF
Tx4F
Normalized count (RPM)
0
0.5
1
1.5
2
2.5
3402
3412
3422
3432
3442
3452
3462
Position in cDNA

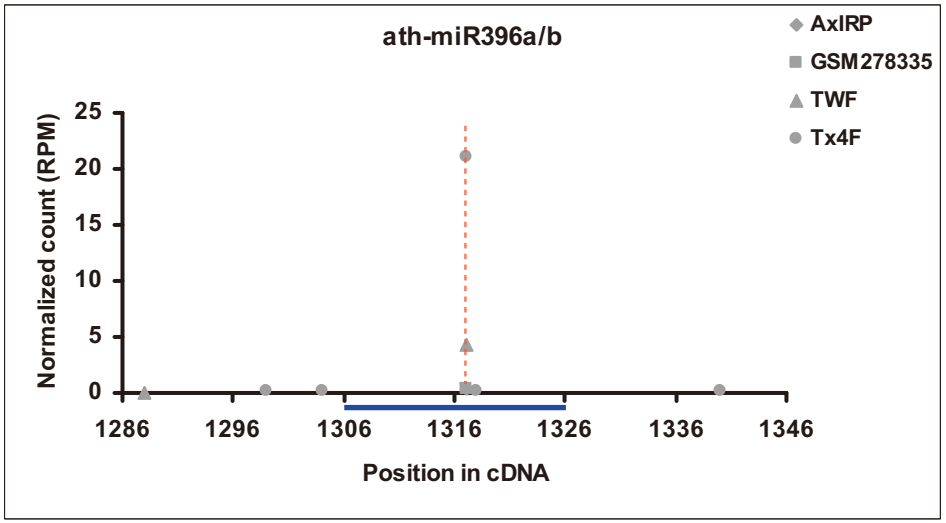

AT1G06180.1
Normalized count (RPM)
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
0
100
200
300
400
500
600
700
800
900
Position in cDNA

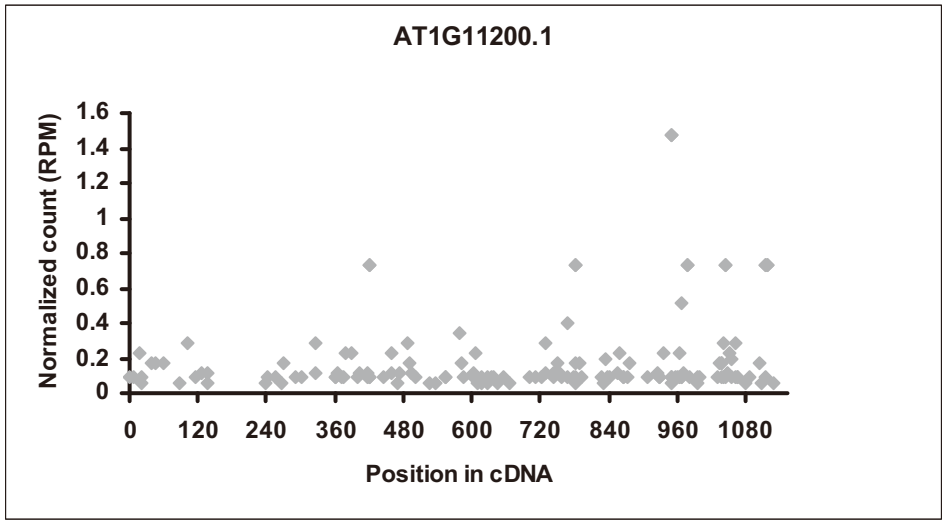

ath-miR858
AxSRP
GSM278370
TWF
Tx4F
Normalized count (RPM)
0
0.5
1
1.5
2
2.5
372
382
392
402
412
422
432
Position in cDNA

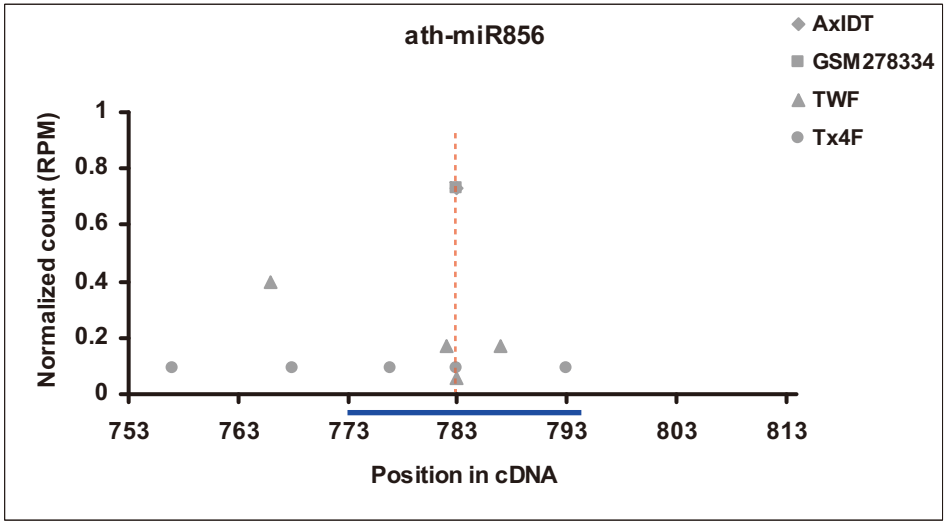

AT1G06580.1
Normalized count (RPM)
0
1
2
3
4
5
6
7
8
9
0
200
400
600
800
1000
1200
1400
1600
1800
2000
Position in cDNA

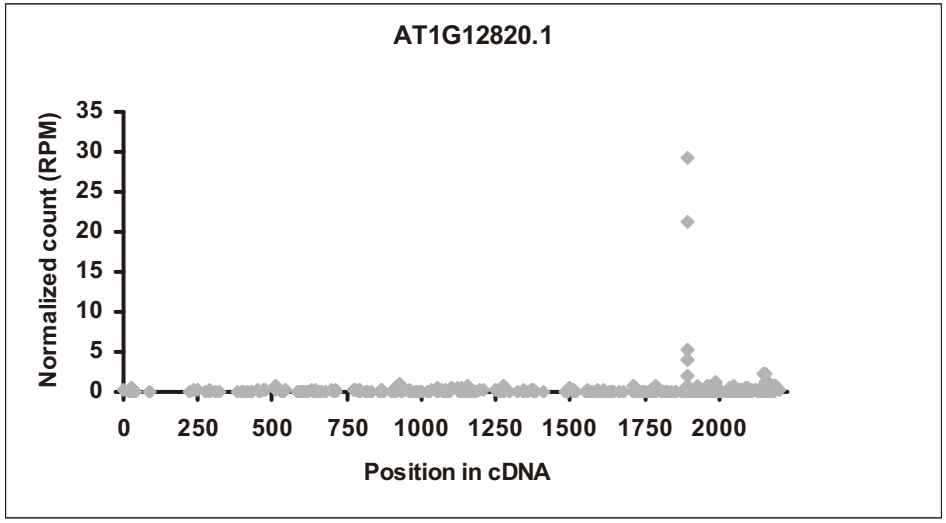

ath-miR400
AxSRP
GSM278370
TWF
Tx4F
Normalized count (RPM)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1065
1075
1085
1095
1105
1115
1125
Position in cDNA

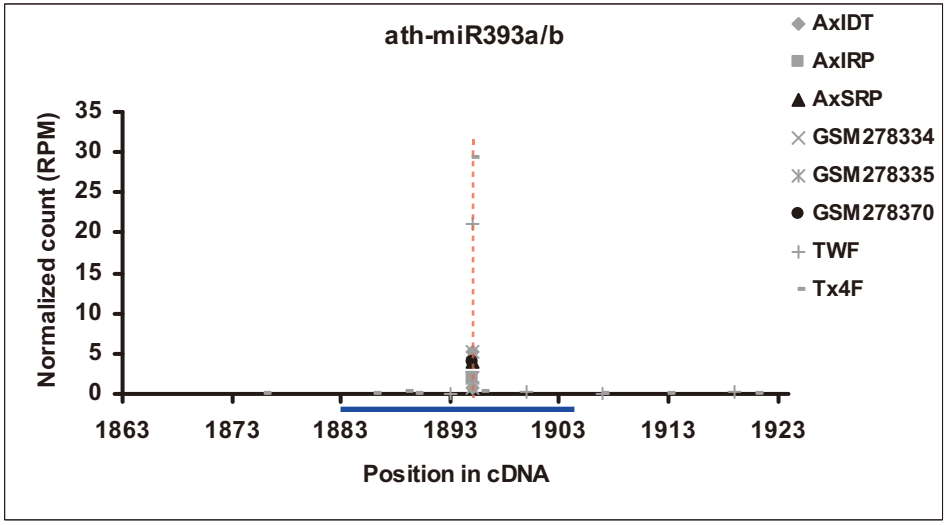

AT1G10120.1
Normalized count (RPM)
0
5
10
15
20
25
0
200
400
600
800
1000
1200
1400
1600
1800
2000
Position in cDNA

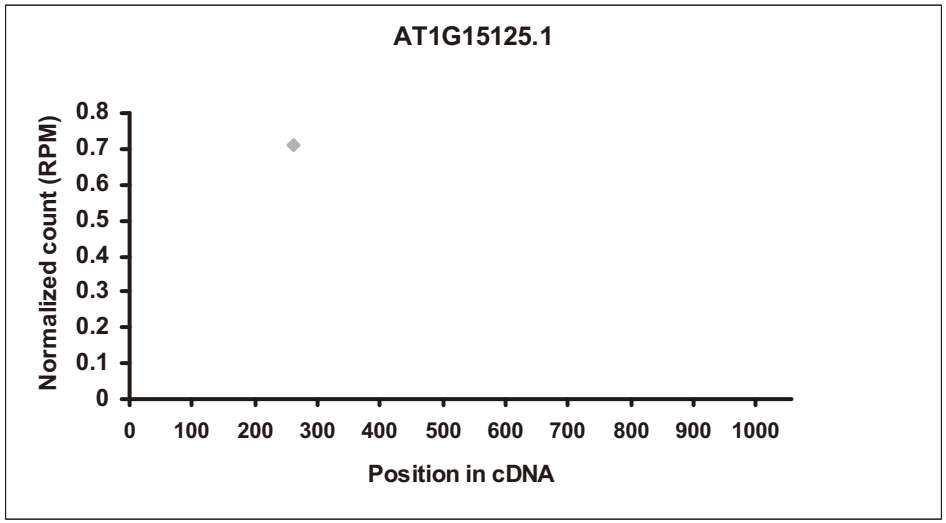

ath-miR396a/b
AxIRP
GSM278335
TWF
Tx4F
Normalized count (RPM)
0
5
10
15
20
25
1286
1296
1306
1316
1326
1336
1346
Position in cDNA

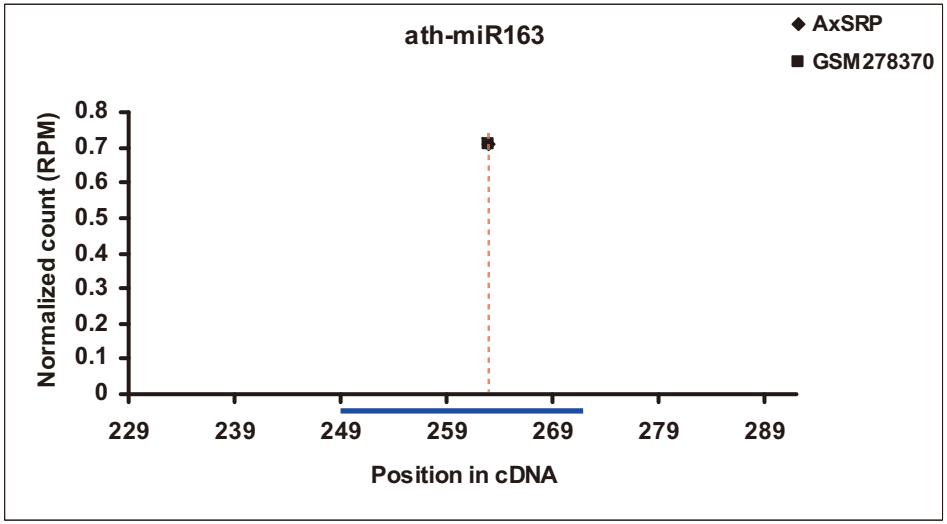

AT1G11200.1
Normalized count (RPM)
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
120
240
360
480
600
720
840
960
1080
Position in cDNA

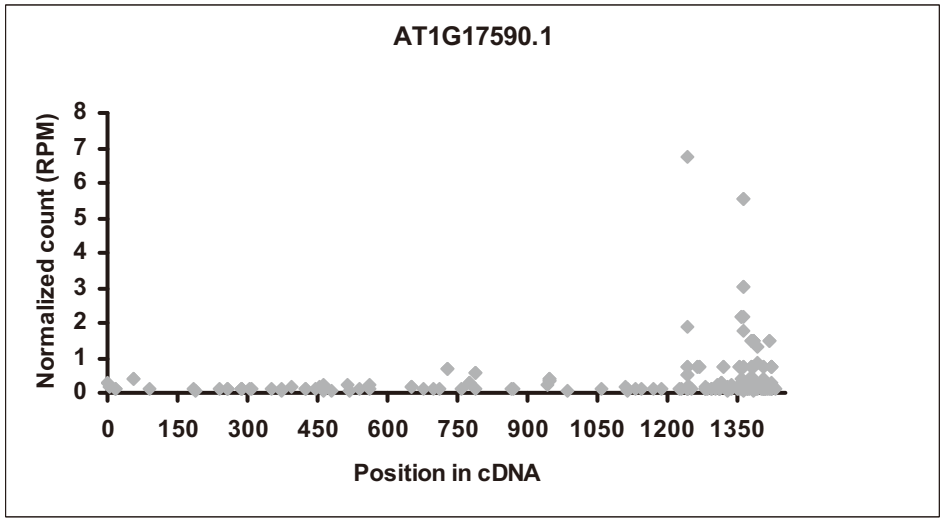

ath-miR856
AxIDT
GSM278334
TWF
Tx4F
Normalized count (RPM)
1
0.8
0.6
0.4
0.2
0
753
763
773
783
793
803
813
Position in cDNA

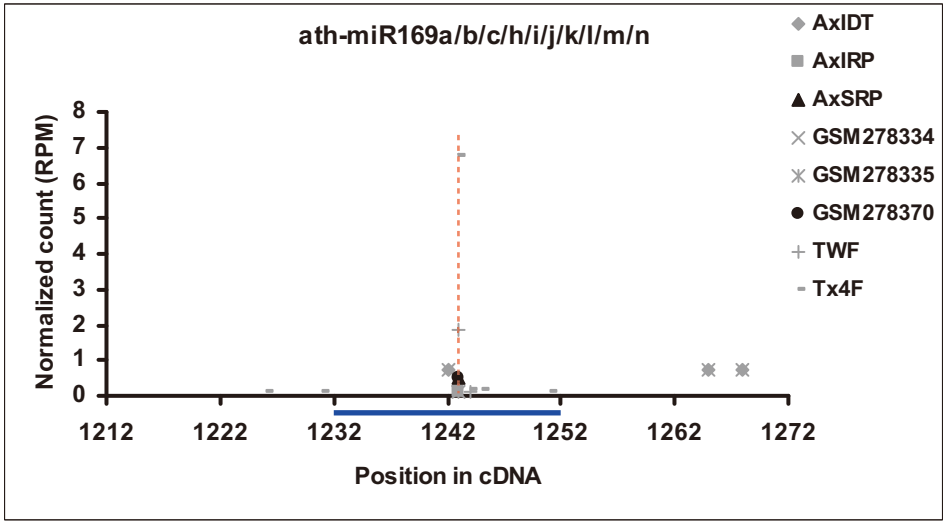

AT1G12820.1
Normalized count (RPM)
35
30
25
20
15
10
5
0
0
250
500
750
1000
1250
1500
1750
2000
Position in cDNA

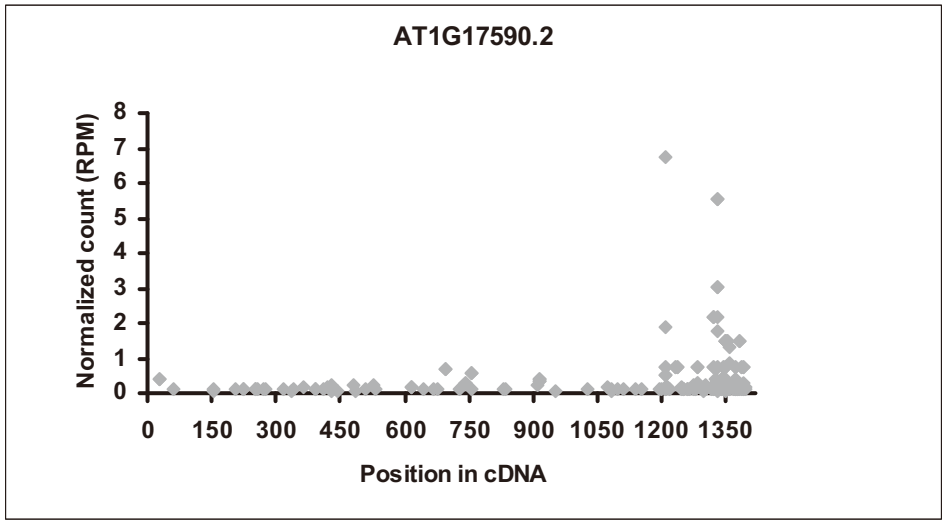

ath-miR393a/b
AxIDT
AxIRP
AxSRP
GSM278334
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
35
30
25
20
15
10
5
0
1863
1873
1883
1893
1903
1913
1923
Position in cDNA

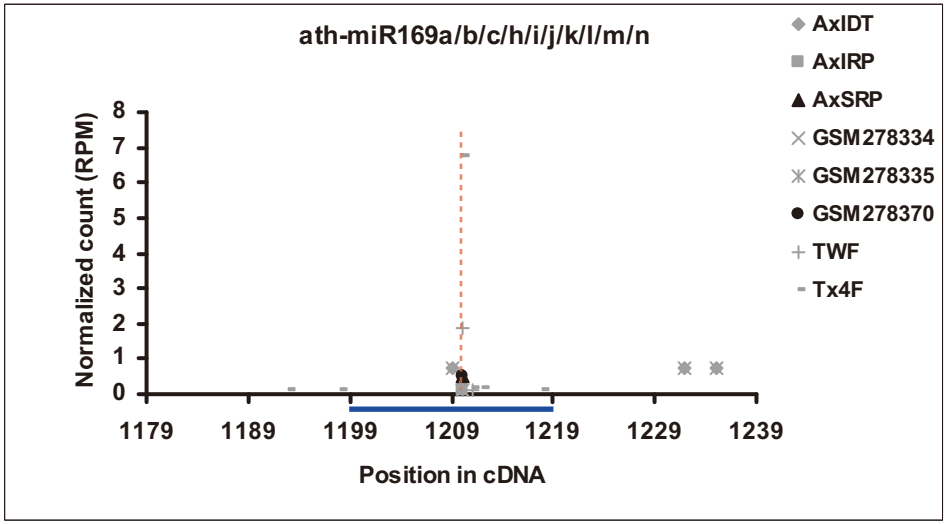

AT1G15125.1
Normalized count (RPM)
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
100
200
300
400
500
600
700
800
900
1000
Position in cDNA

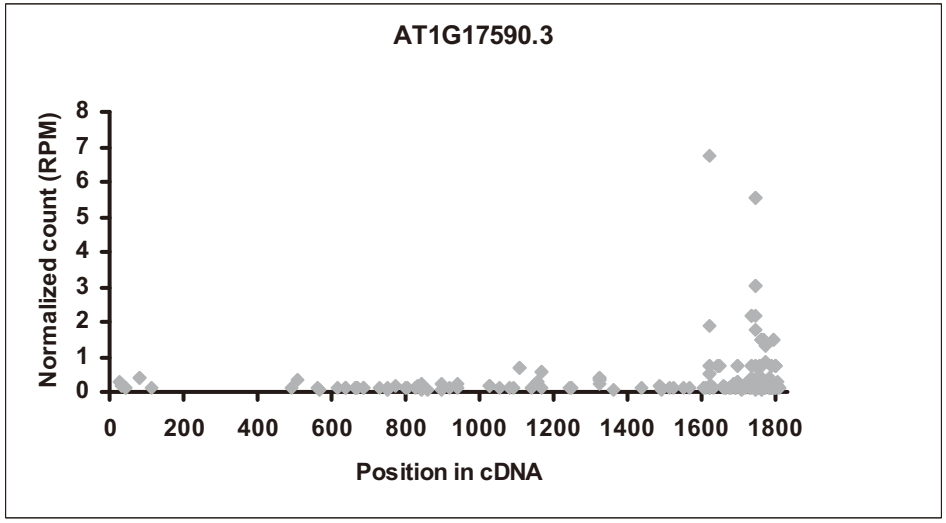

ath-miR163
AxSRP
GSM278370
Normalized count (RPM)
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
229
239
249
259
269
279
289
Position in cDNA

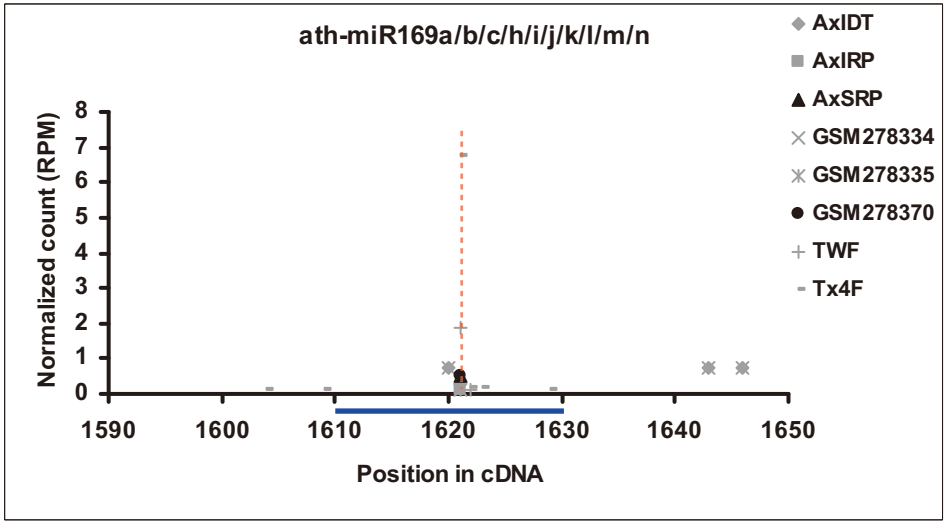

AT1G17590.1
Normalized count (RPM)
8
7
6
5
4
3
2
1
0
0
150
300
450
600
750
900
1050
1200
1350
Position in cDNA

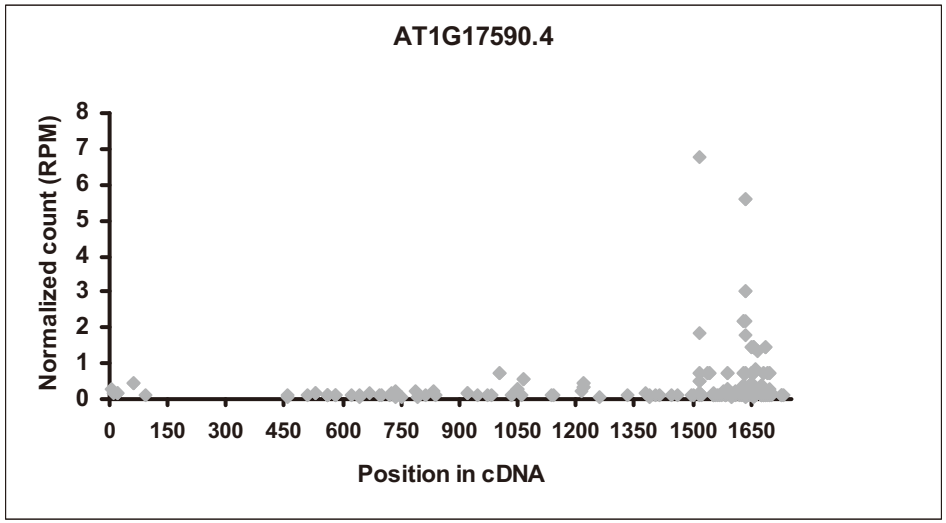

ath-miR169a/b/c/h/i/j/k/l/m/n
AxIDT
AxIRP
AxSRP
GSM278334
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
8
7
6
5
4
3
2
1
0
1212
1222
1232
1242
1252
1262
1272
Position in cDNA

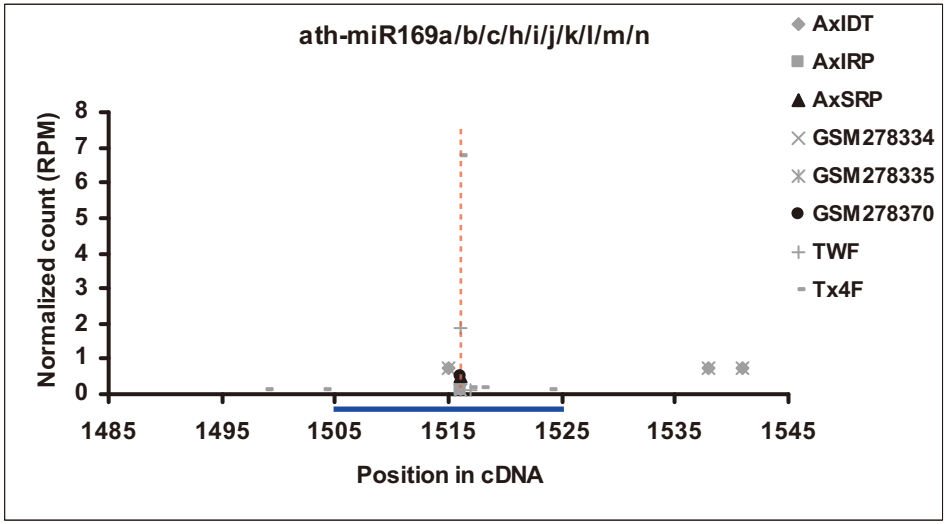

AT1G17590.2
Normalized count (RPM)
0
1
2
3
4
5
6
7
8
0
150
300
450
600
750
900
1050
1200
1350
Position in cDNA

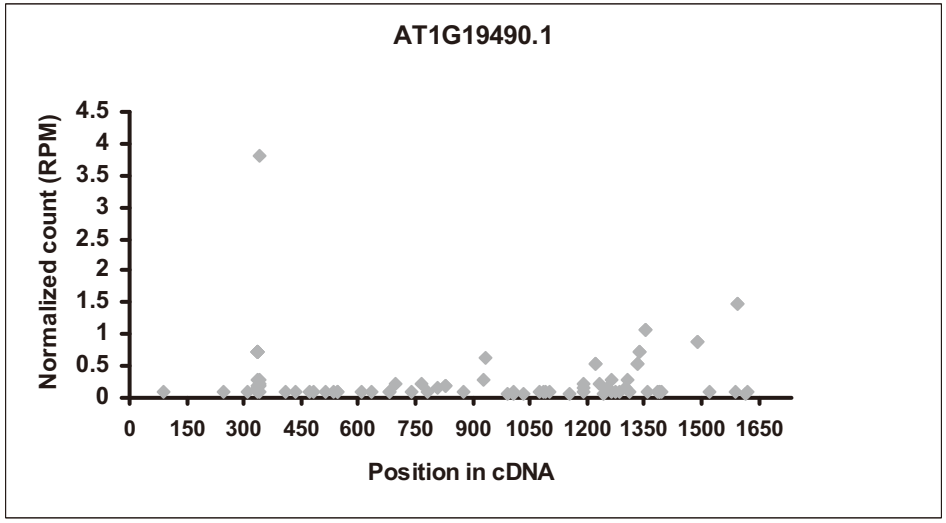

ath-miR169a/b/c/h/i/j/k/l/m/n
AxIDT
AxIRP
AxSRP
GSM278334
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
0
1
2
3
4
5
6
7
8
1179
1189
1199
1209
1219
1229
1239
Position in cDNA

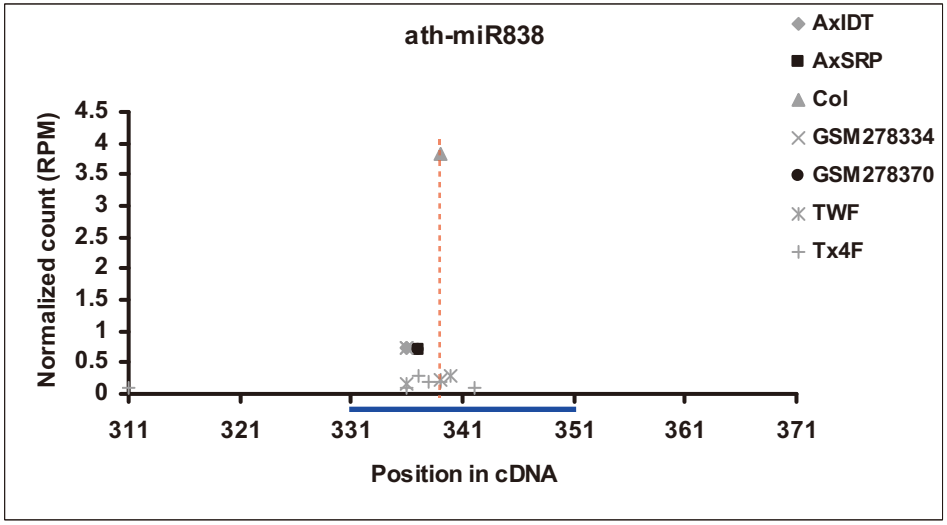

AT1G17590.3
Normalized count (RPM)
0
1
2
3
4
5
6
7
8
0
200
400
600
800
1000
1200
1400
1600
1800
Position in cDNA

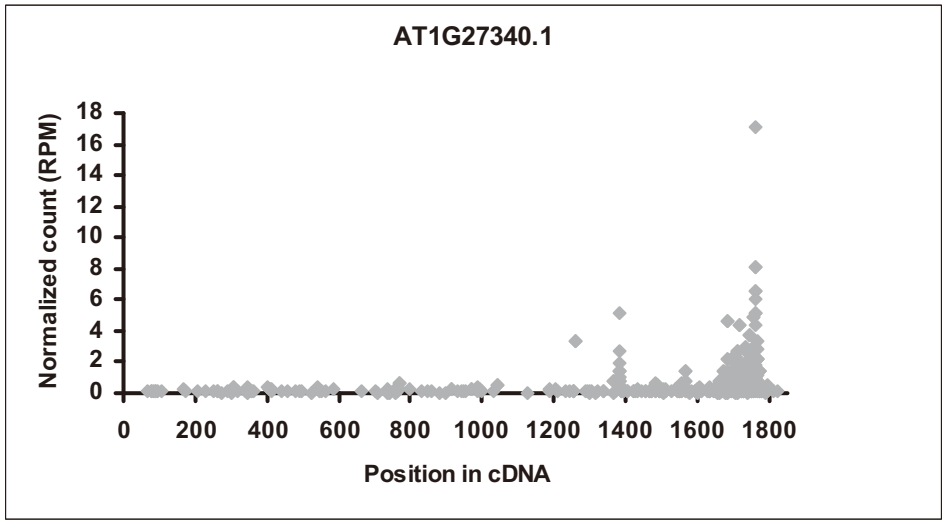

ath-miR169a/b/c/h/i/j/k/l/m/n
AxIDT
AxIRP
AxSRP
GSM278334
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
0
1
2
3
4
5
6
7
8
1590
1600
1610
1620
1630
1640
1650
Position in cDNA

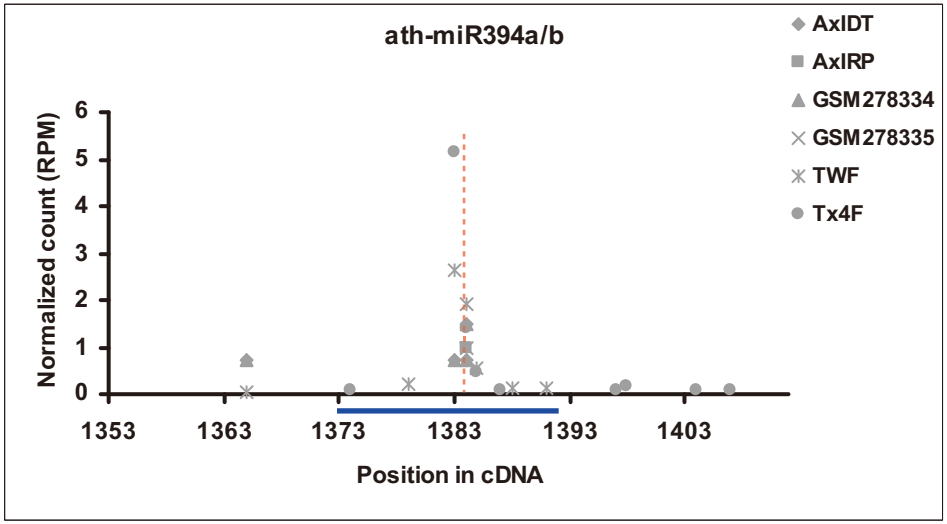

AT1G17590.4
Normalized count (RPM)
0
1
2
3
4
5
6
7
8
0
150
300
450
600
750
900
1050
1200
1350
1500
1650
Position in cDNA

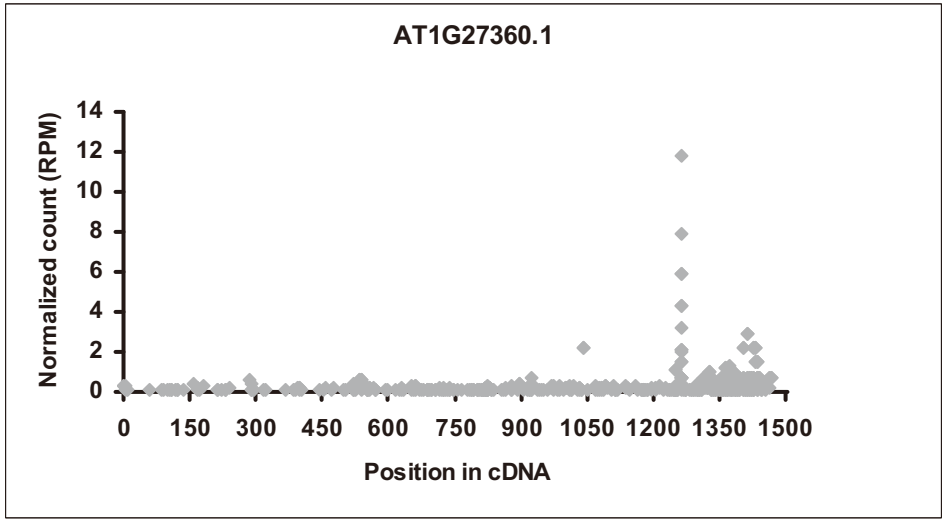

ath-miR169a/b/c/h/i/j/k/l/m/n
AxIDT
AxIRP
AxSRP
GSM278334
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
0
1
2
3
4
5
6
7
8
1485
1495
1505
1515
1525
1535
1545
Position in cDNA

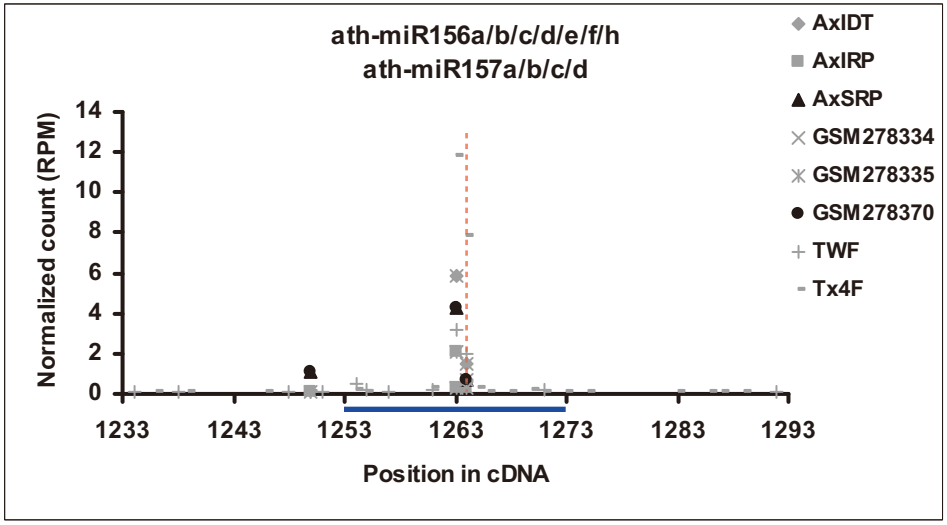

AT1G19490.1
Normalized count (RPM)
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
0
150
300
450
600
750
900
1050
1200
1350
1500
1650
Position in cDNA

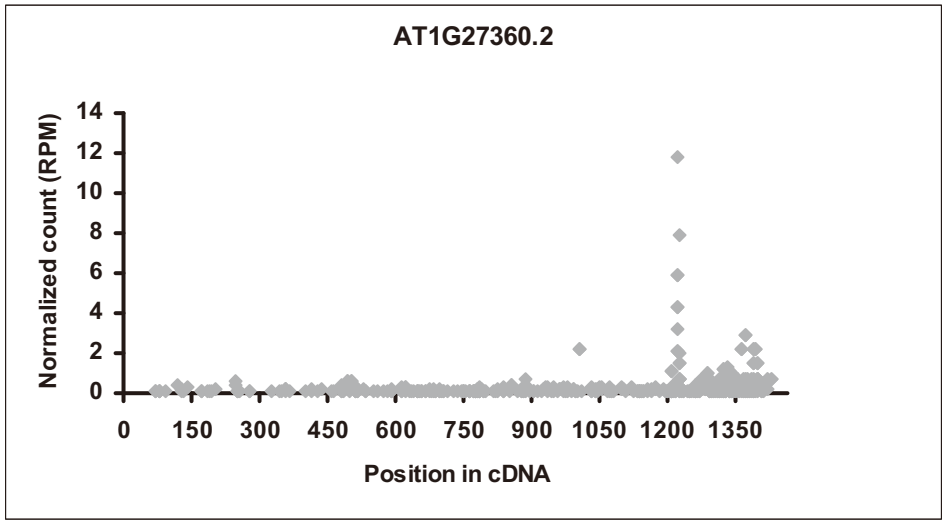

ath-miR838
AxIDT
AxSRP
Col
GSM278334
GSM278370
TWF
Tx4F
Normalized count (RPM)
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
311
321
331
341
351
361
371
Position in cDNA

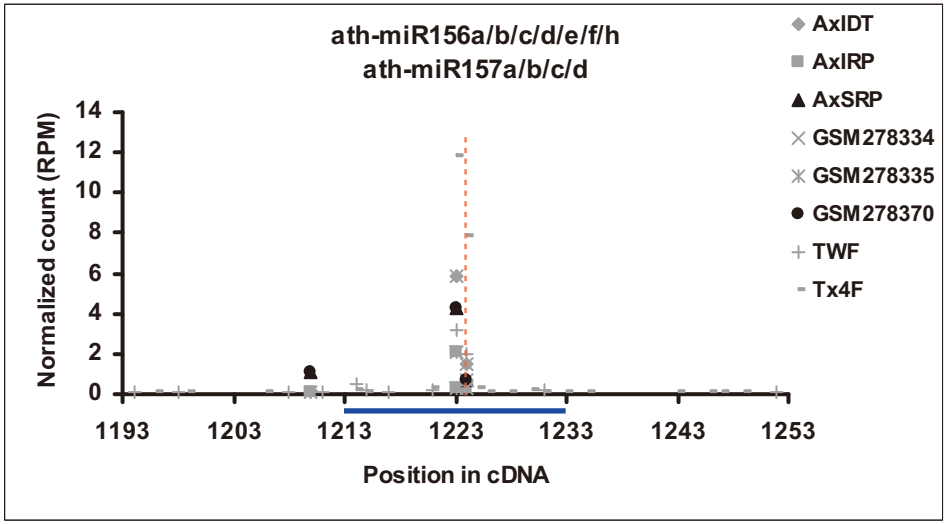

AT1G27340.1
Normalized count (RPM)
0
2
4
6
8
10
12
14
16
18
0
200
400
600
800
1000
1200
1400
1600
1800
Position in cDNA

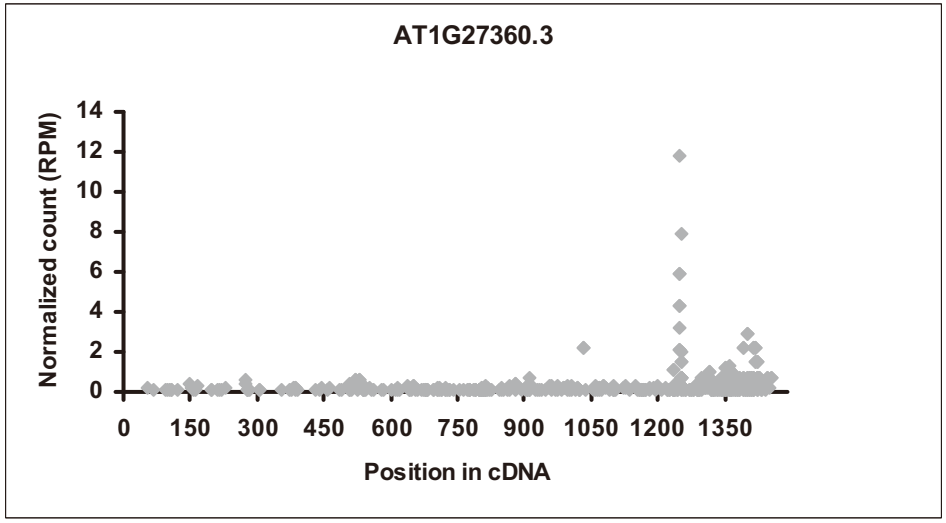

ath-miR394a/b
AxIDT
AxIRP
GSM278334
GSM278335
TWF
Tx4F
Normalized count (RPM)
0
1
2
3
4
5
6
1353
1363
1373
1383
1393
1403
Position in cDNA

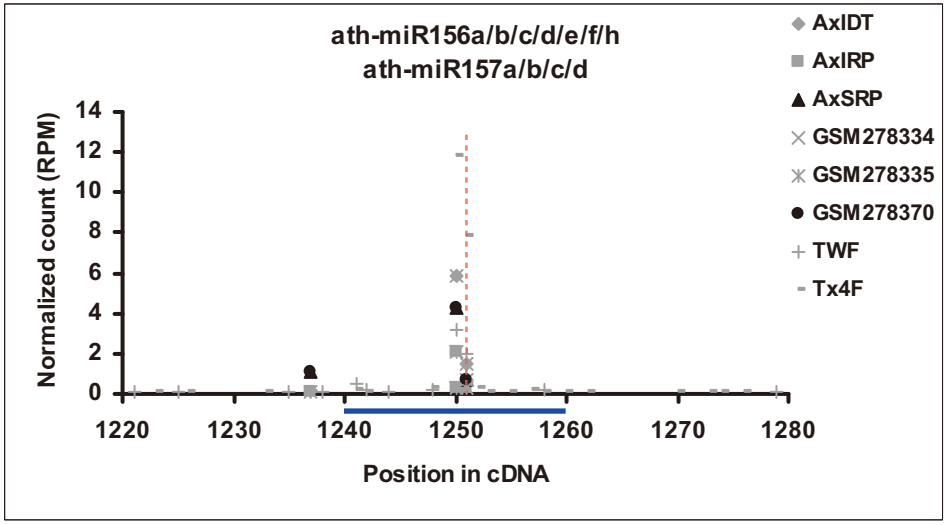

AT1G27360.1
Normalized count (RPM)
0
2
4
6
8
10
12
14
0
150
300
450
600
750
900
1050
1200
1350
1500
Position in cDNA

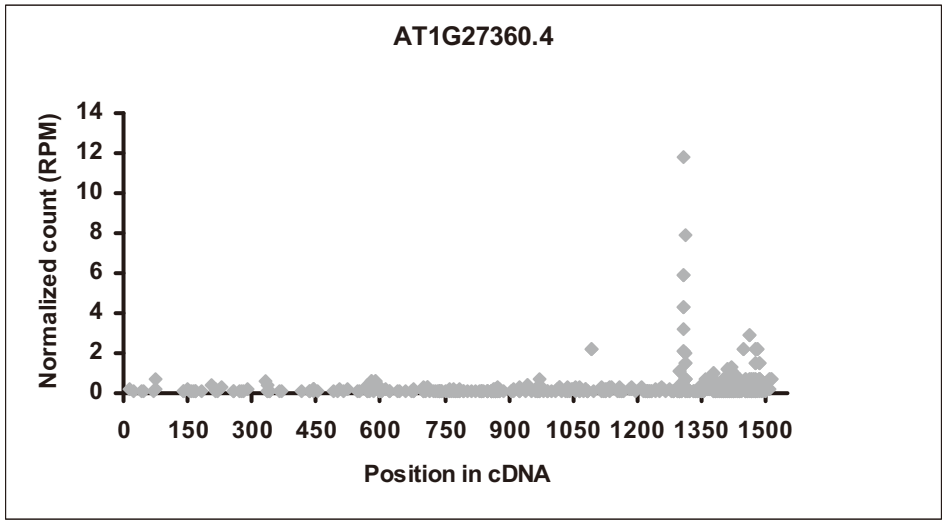

ath-miR156a/b/c/d/e/f/h
ath-miR157a/b/c/d
AxIDT
AxIRP
AxSRP
GSM278334
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
0
2
4
6
8
10
12
14
1233
1243
1253
1263
1273
1283
1293
Position in cDNA

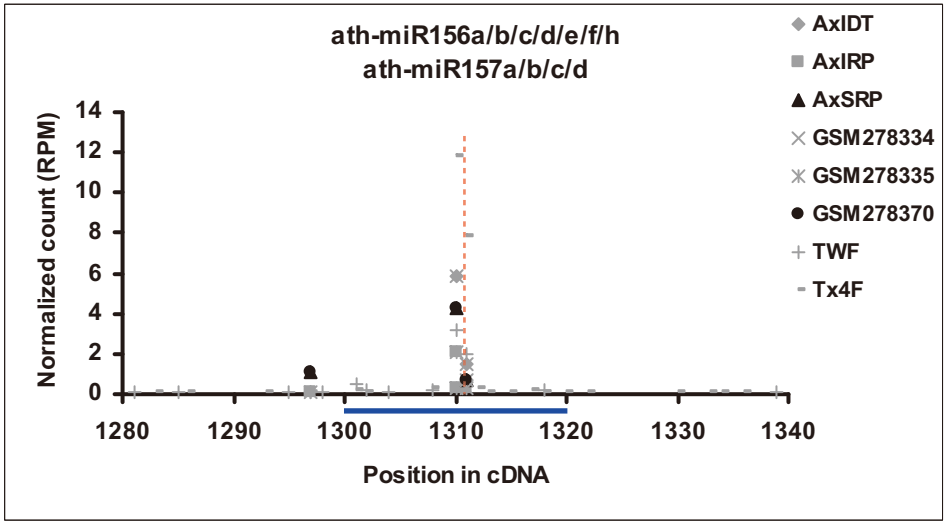

AT1G27360.2
Normalized count (RPM)
0
2
4
6
8
10
12
14
0
150
300
450
600
750
900
1050
1200
1350
Position in cDNA

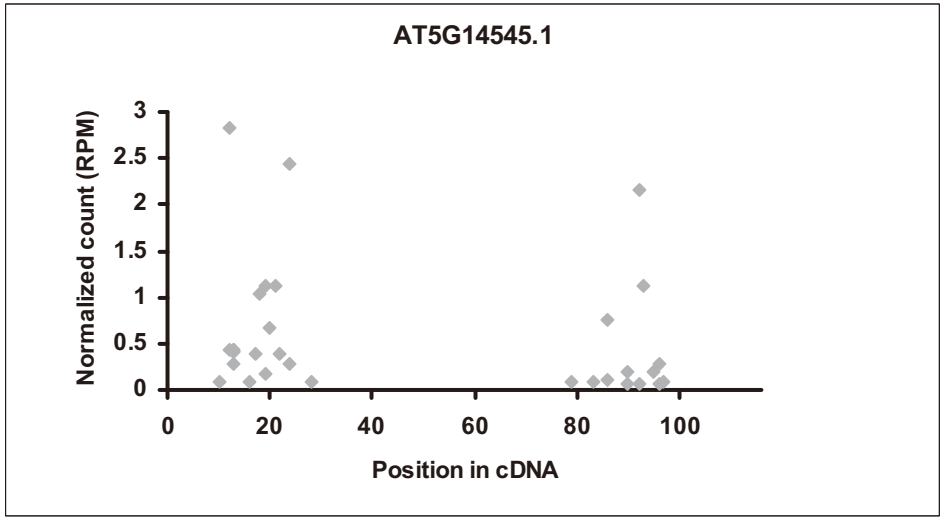

ath-miR156a/b/c/d/e/f/h
ath-miR157a/b/c/d
AxIDT
AxIRP
AxSRP
GSM278334
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
0
2
4
6
8
10
12
14
1193
1203
1213
1223
1233
1243
1253
Position in cDNA

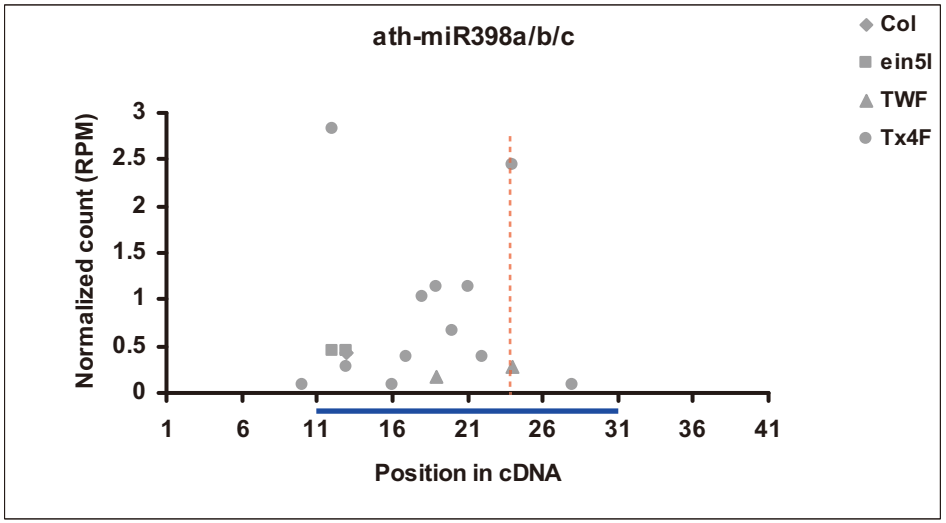

AT1G27360.3
Normalized count (RPM)
0
2
4
6
8
10
12
14
0
150
300
450
600
750
900
1050
1200
1350
Position in cDNA

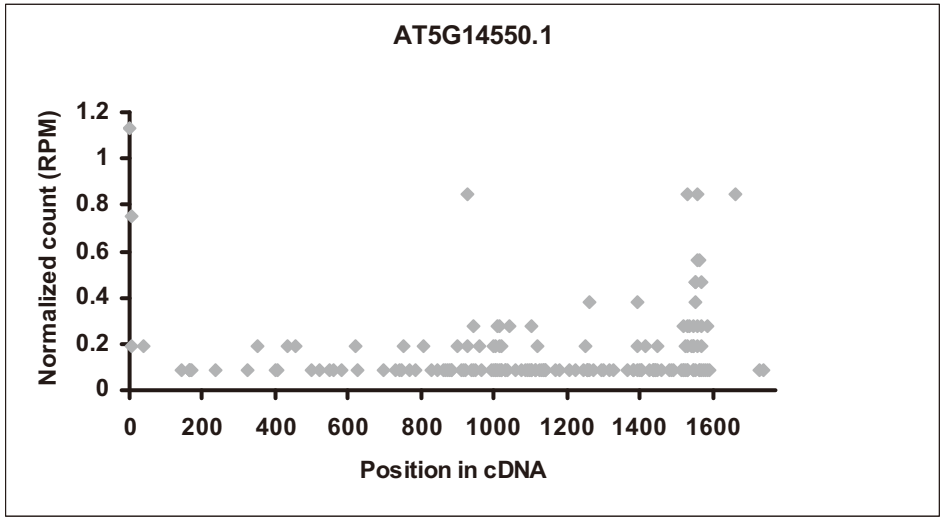

ath-miR156a/b/c/d/e/f/h
ath-miR157a/b/c/d
AxIDT
AxIRP
AxSRP
GSM278334
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
0
2
4
6
8
10
12
14
1220
1230
1240
1250
1260
1270
1280
Position in cDNA

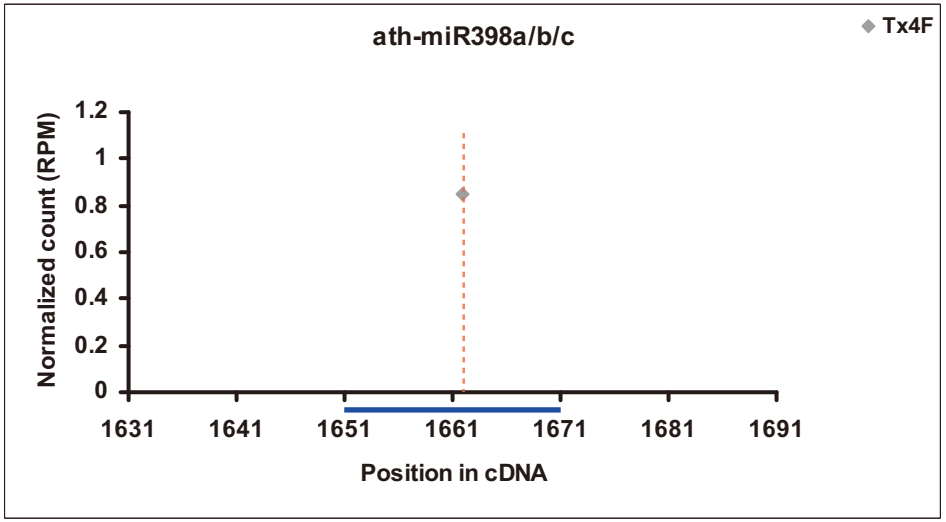

AT1G27360.4
Normalized count (RPM)
0
2
4
6
8
10
12
14
0
150
300
450
600
750
900
1050
1200
1350
1500
Position in cDNA

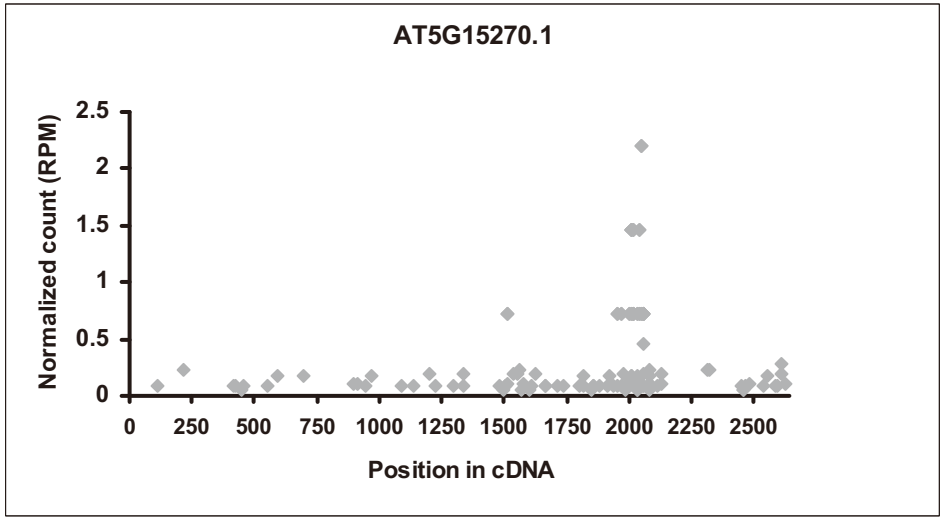

ath-miR156a/b/c/d/e/f/h
ath-miR157a/b/c/d
AxIDT
AxIRP
AxSRP
GSM278334
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
0
2
4
6
8
10
12
14
1280
1290
1300
1310
1320
1330
1340
Position in cDNA

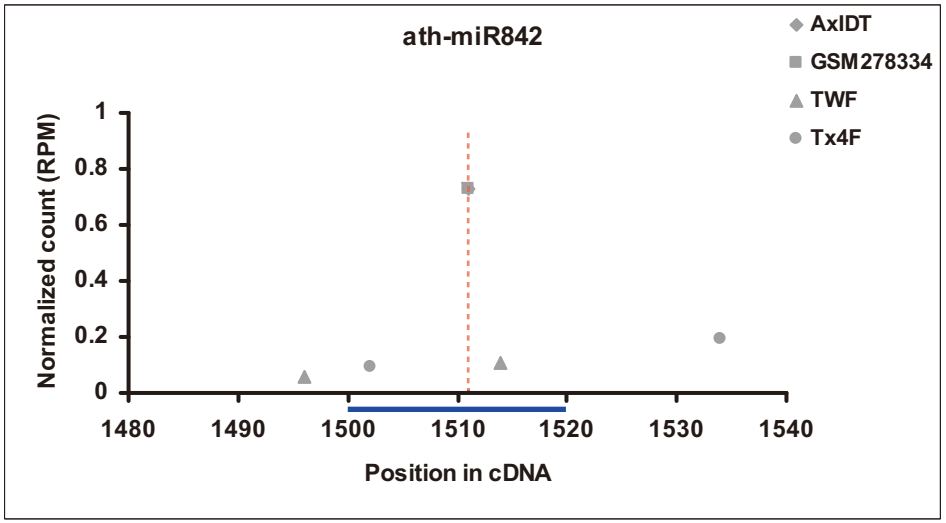

AT5G14545.1
Normalized count (RPM)
0
0.5
1
1.5
2
2.5
3
0
20
40
60
80
100
Position in cDNA

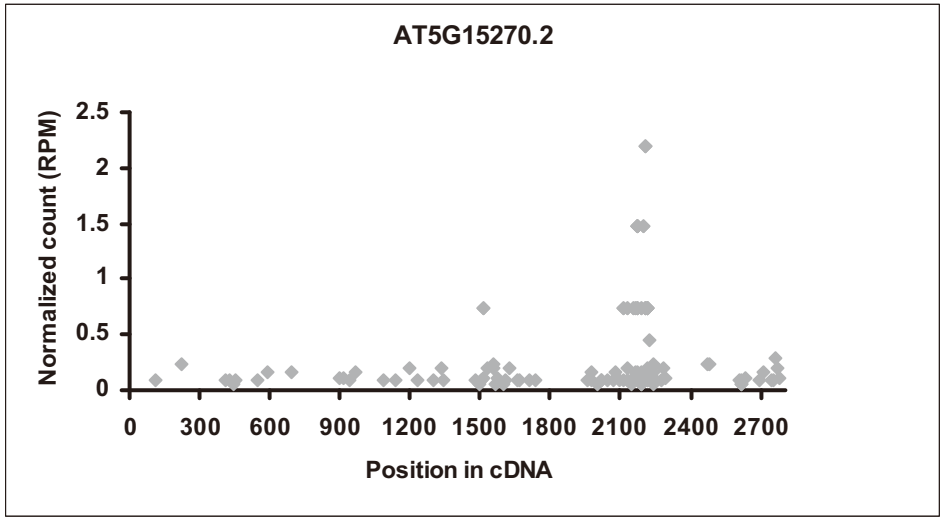

ath-miR398a/b/c
Col
ein5l
TWF
Tx4F
Normalized count (RPM)
0
0.5
1
1.5
2
2.5
3
1
6
11
16
21
26
31
36
41
Position in cDNA

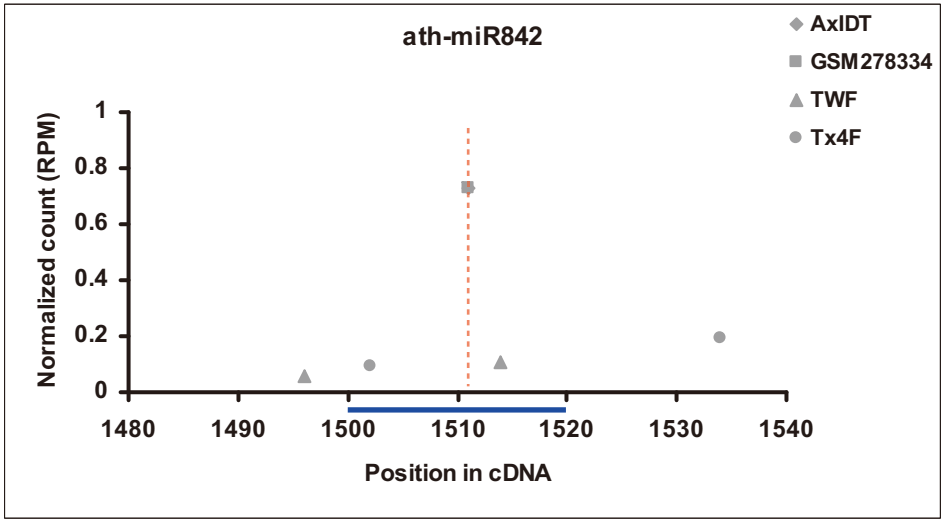

AT5G14550.1
Normalized count (RPM)
1.2
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000
1200
1400
1600
Position in cDNA

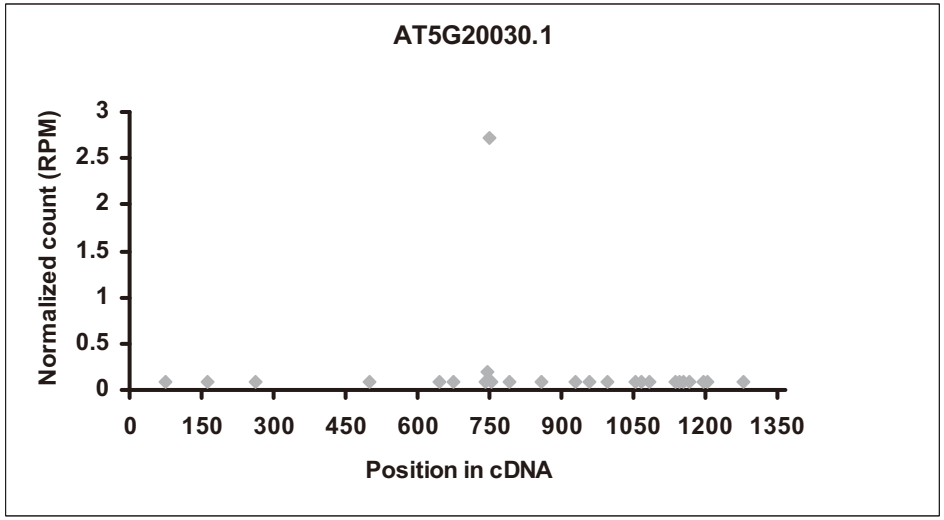

ath-miR398a/b/c
Tx4F
Normalized count (RPM)
1.2
1
0.8
0.6
0.4
0.2
0
1631
1641
1651
1661
1671
1681
1691
Position in cDNA

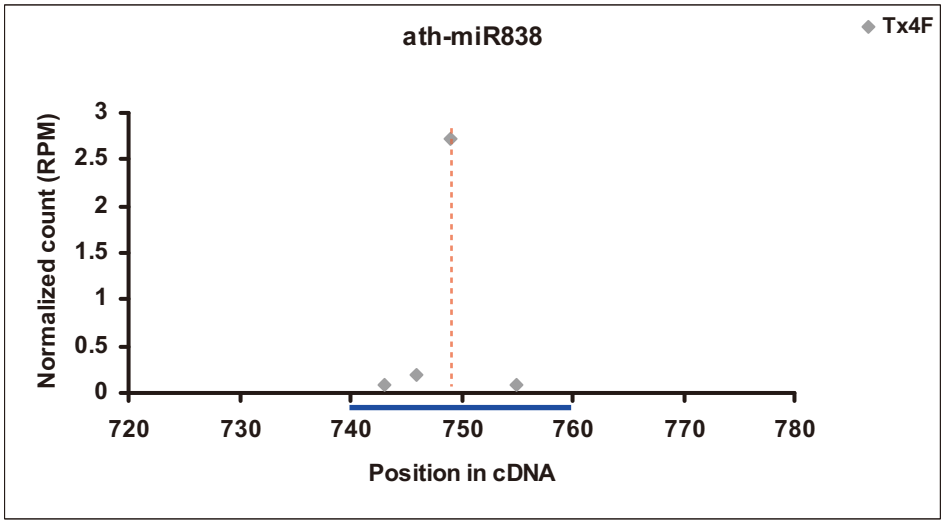

AT5G15270.1
Normalized count (RPM)
2.5
2
1.5
1
0.5
0
0
250
500
750
1000
1250
1500
1750
2000
2250
2500
Position in cDNA

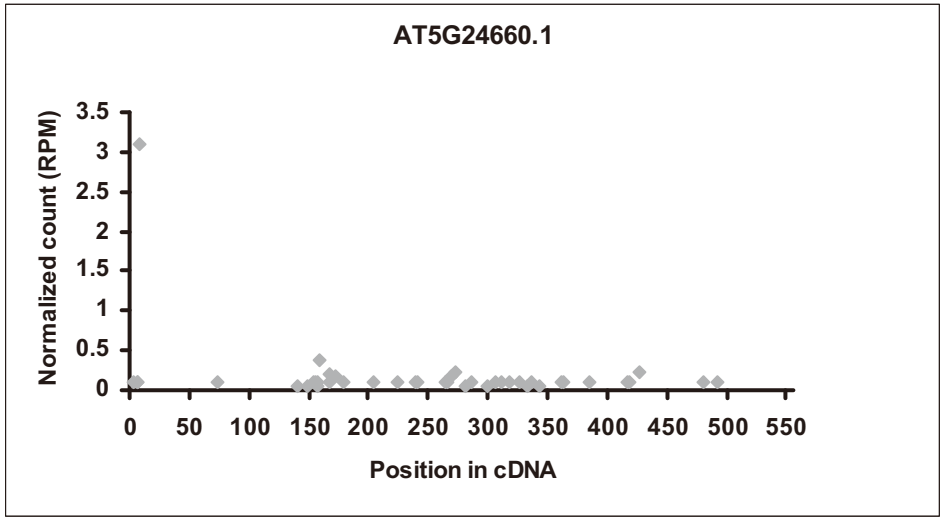

ath-miR842
AxIDT
GSM278334
TWF
Tx4F
Normalized count (RPM)
1
0.8
0.6
0.4
0.2
0
1480
1490
1500
1510
1520
1530
1540
Position in cDNA

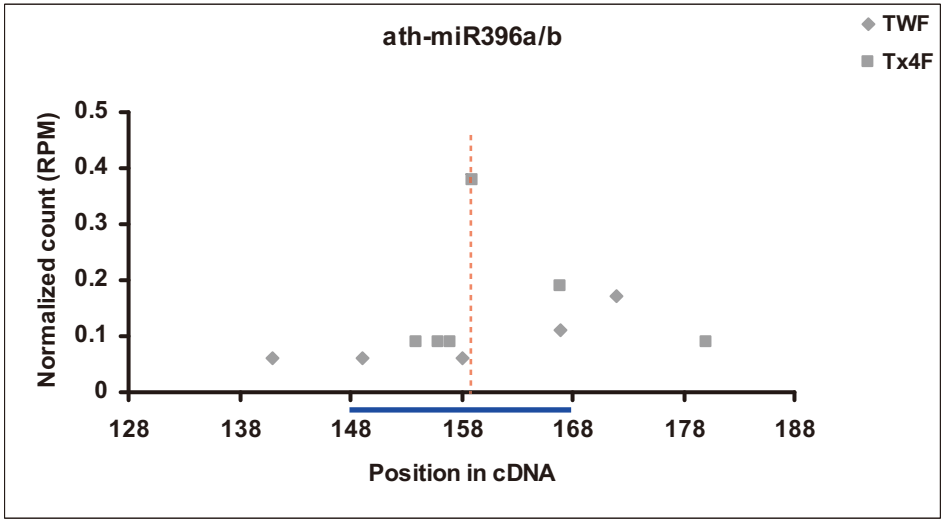

AT5G15270.2
Normalized count (RPM)
2.5
2
1.5
1
0.5
0
0
300
600
900
1200
1500
1800
2100
2400
2700
Position in cDNA

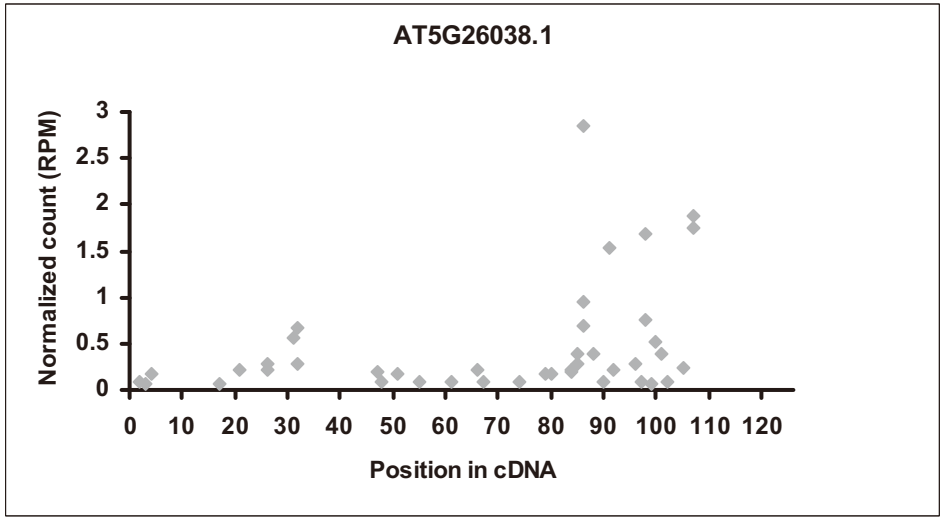

ath-miR842
AxIDT
GSM278334
TWF
Tx4F
Normalized count (RPM)
1
0.8
0.6
0.4
0.2
0
1480
1490
1500
1510
1520
1530
1540
Position in cDNA

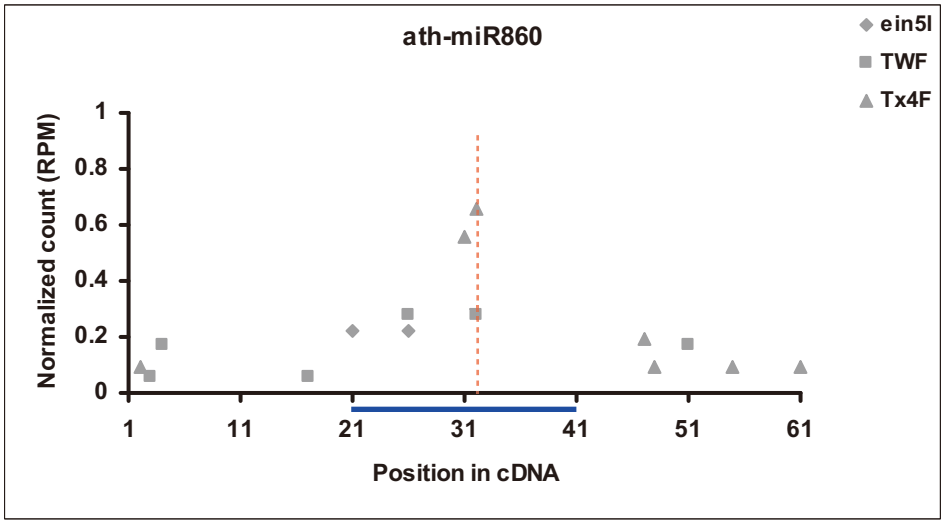

AT5G20030.1
Normalized count (RPM)
3
2.5
2
1.5
1
0.5
0
0
150
300
450
600
750
900
1050
1200
1350
Position in cDNA

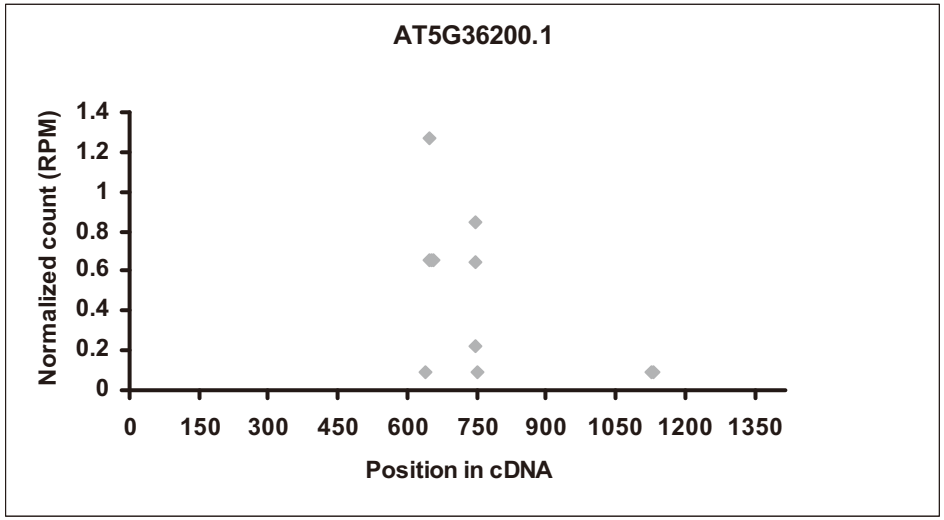

ath-miR838
Tx4F
Normalized count (RPM)
3
2.5
2
1.5
1
0.5
0
720
730
740
750
760
770
780
Position in cDNA

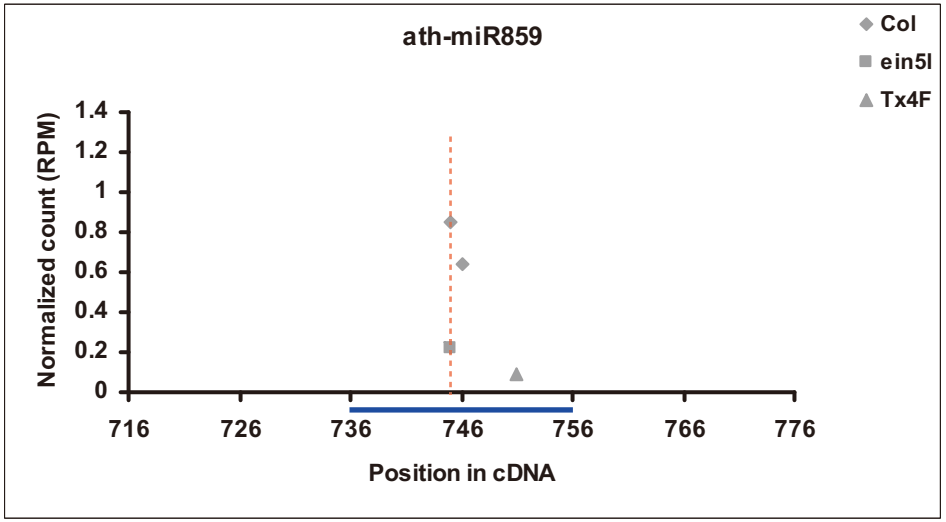

AT5G24660.1
Normalized count (RPM)
3.5
3
2.5
2
1.5
1
0.5
0
0
50
100
150
200
250
300
350
400
450
500
550
Position in cDNA

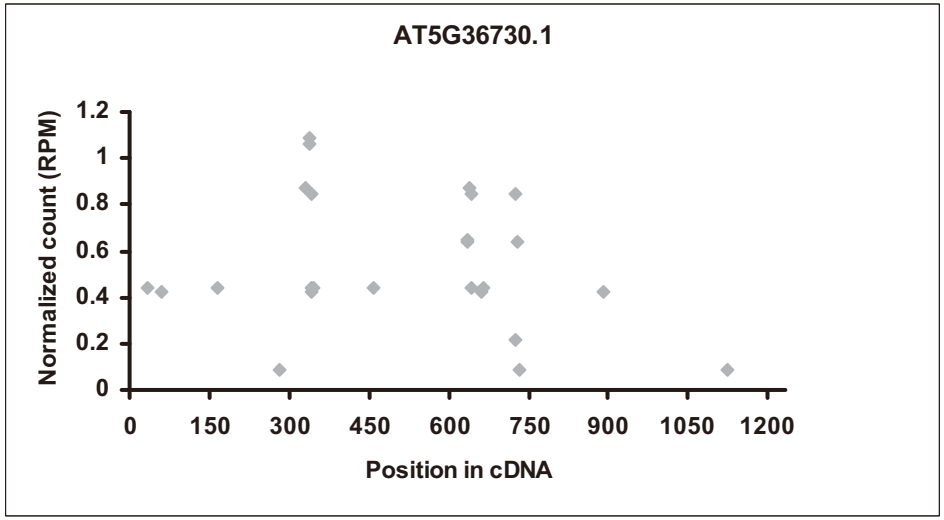

ath-miR396a/b
TWF
Tx4F
Normalized count (RPM)
0.5
0.4
0.3
0.2
0.1
0
128
138
148
158
168
178
188
Position in cDNA

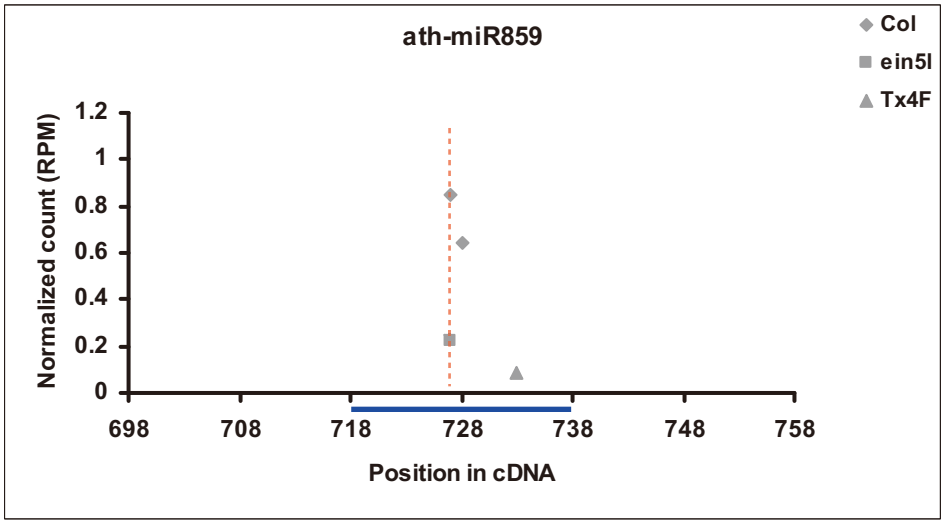

AT5G26038.1
Normalized count (RPM)
3
2.5
2
1.5
1
0.5
0
0
10
20
30
40
50
60
70
80
90
100
110
120
Position in cDNA

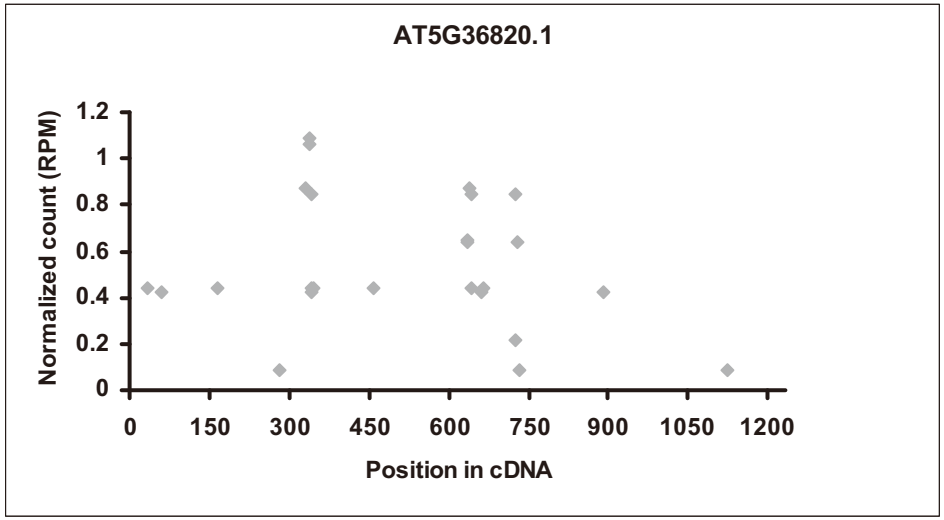

ath-miR860
ein5l
TWF
Tx4F
Normalized count (RPM)
1
0.8
0.6
0.4
0.2
0
1
11
21
31
41
51
61
Position in cDNA

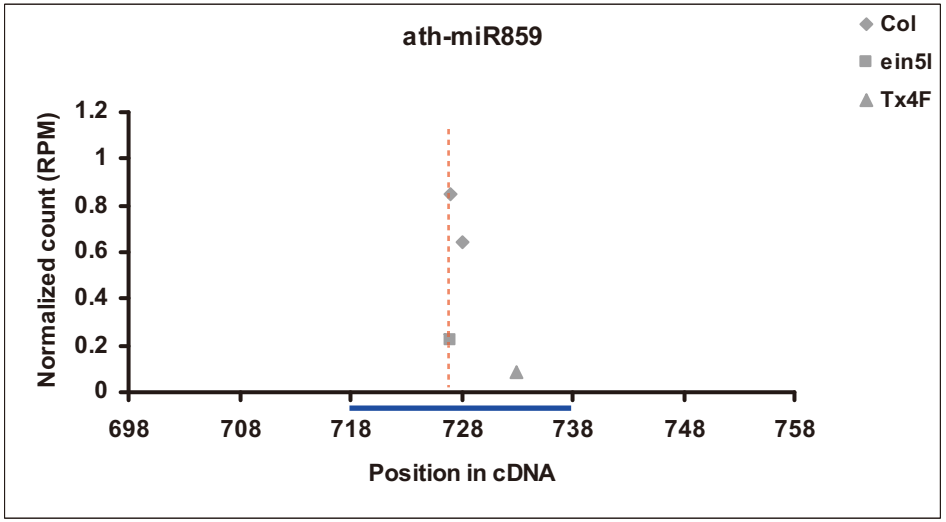

AT5G36200.1
Normalized count (RPM)
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
150
300
450
600
750
900
1050
1200
1350
Position in cDNA

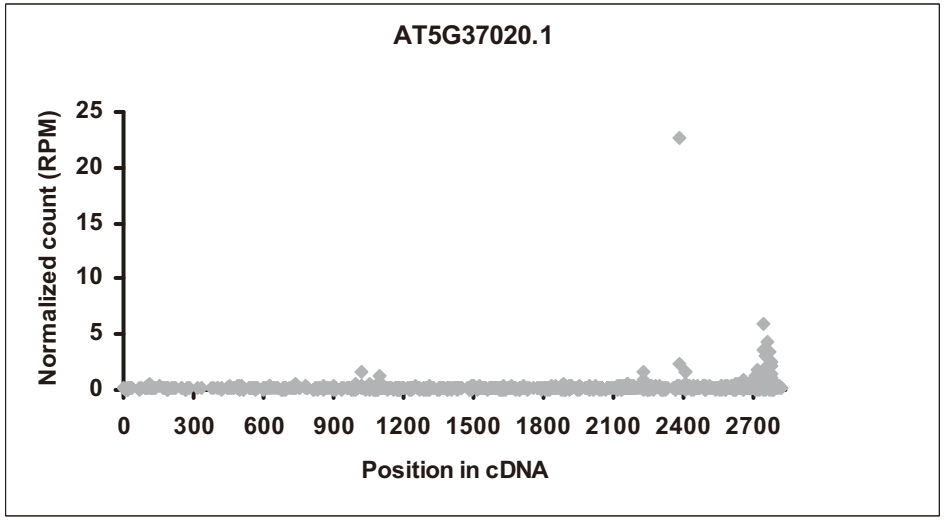

ath-miR859
Col
ein5l
Tx4F
Normalized count (RPM)
1.4
1.2
1
0.8
0.6
0.4
0.2
0
716
726
736
746
756
766
776
Position in cDNA

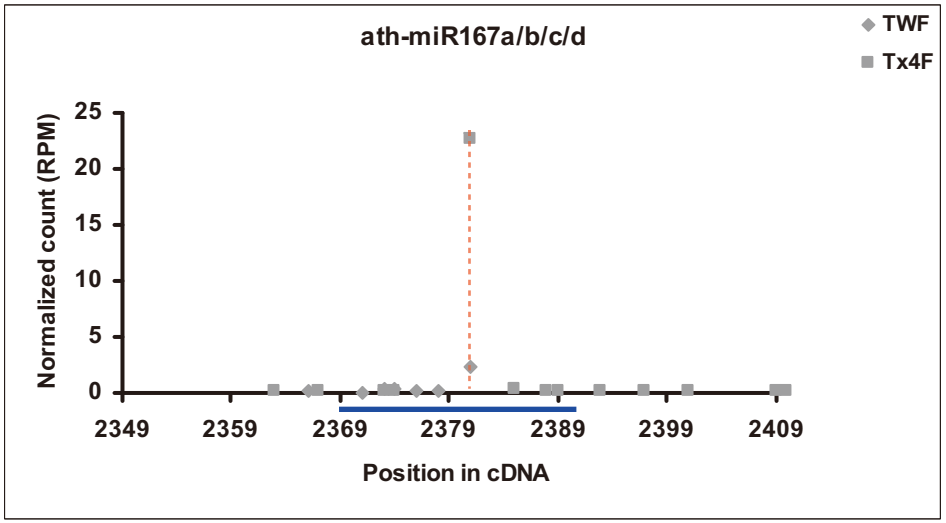

AT5G36730.1
Normalized count (RPM)
1.2
1
0.8
0.6
0.4
0.2
0
0
150
300
450
600
750
900
1050
1200
Position in cDNA

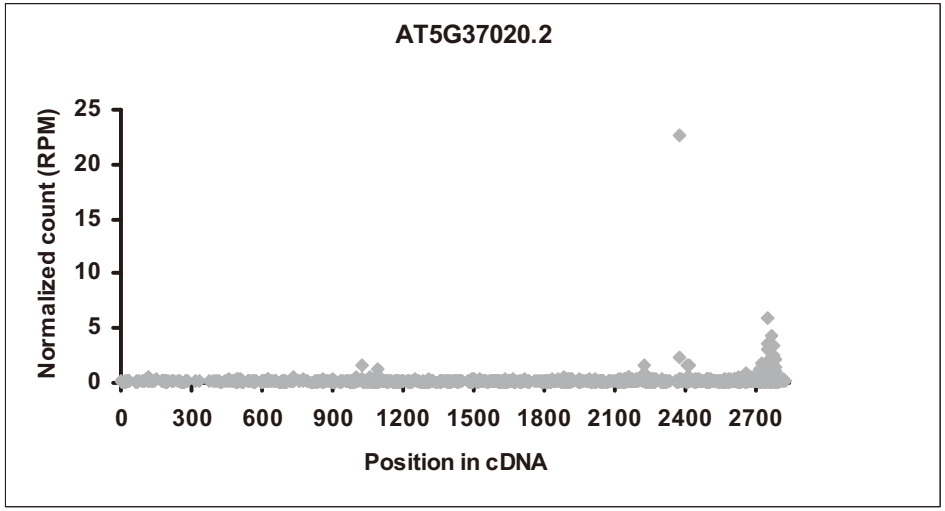

ath-miR859
Col
ein5l
Tx4F
Normalized count (RPM)
1.2
1
0.8
0.6
0.4
0.2
0
698
708
718
728
738
748
758
Position in cDNA

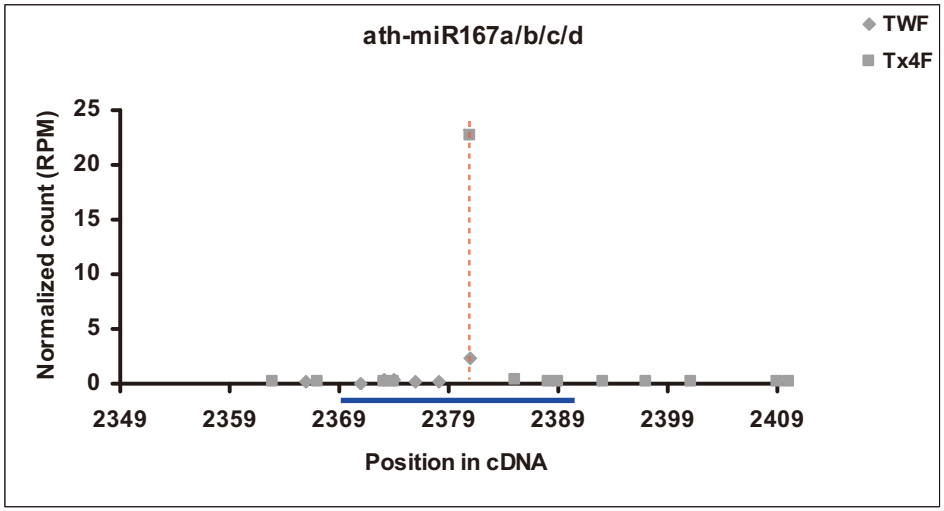

AT5G36820.1
Normalized count (RPM)
1.2
1
0.8
0.6
0.4
0.2
0
0
150
300
450
600
750
900
1050
1200
Position in cDNA

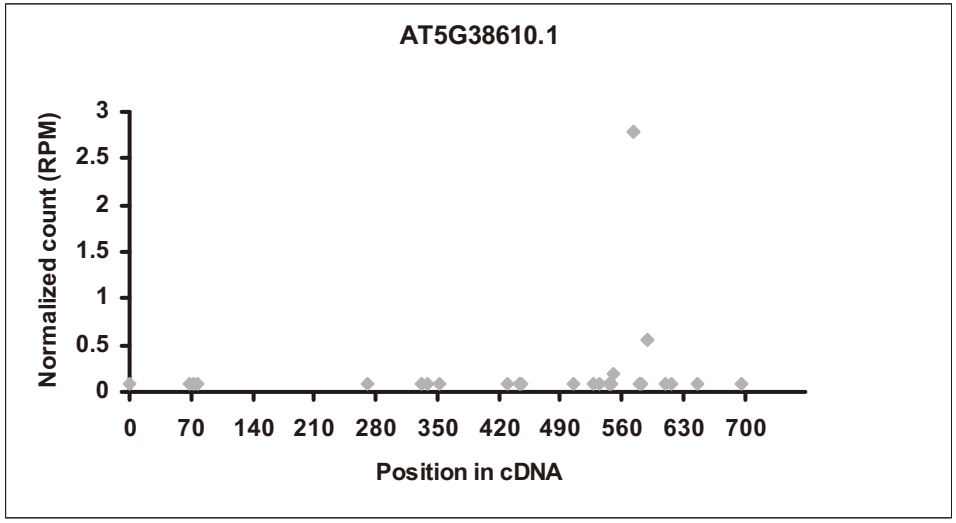

ath-miR859
Col
ein5l
Tx4F
Normalized count (RPM)
1.2
1
0.8
0.6
0.4
0.2
0
698
708
718
728
738
748
758
Position in cDNA

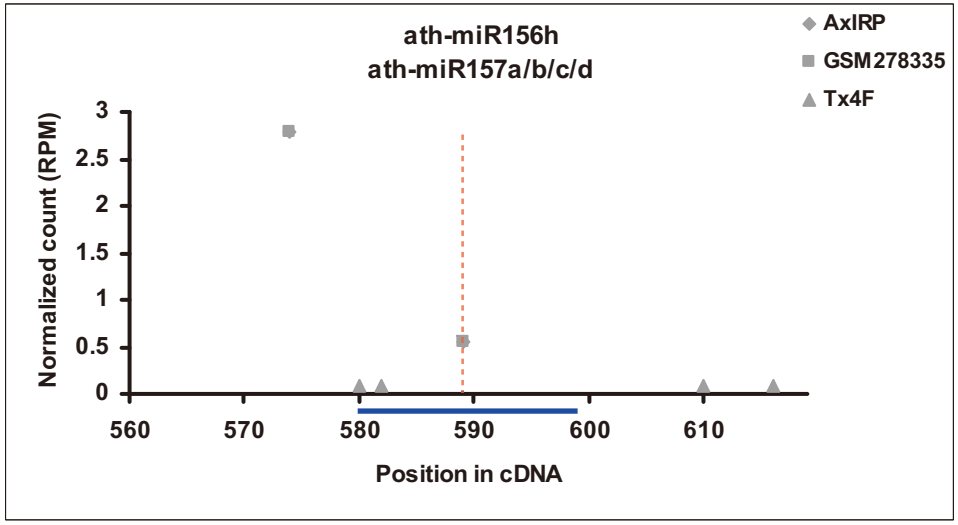

AT5G37020.1
Normalized count (RPM)
25
20
15
10
5
0
0
300
600
900
1200
1500
1800
2100
2400
2700
Position in cDNA

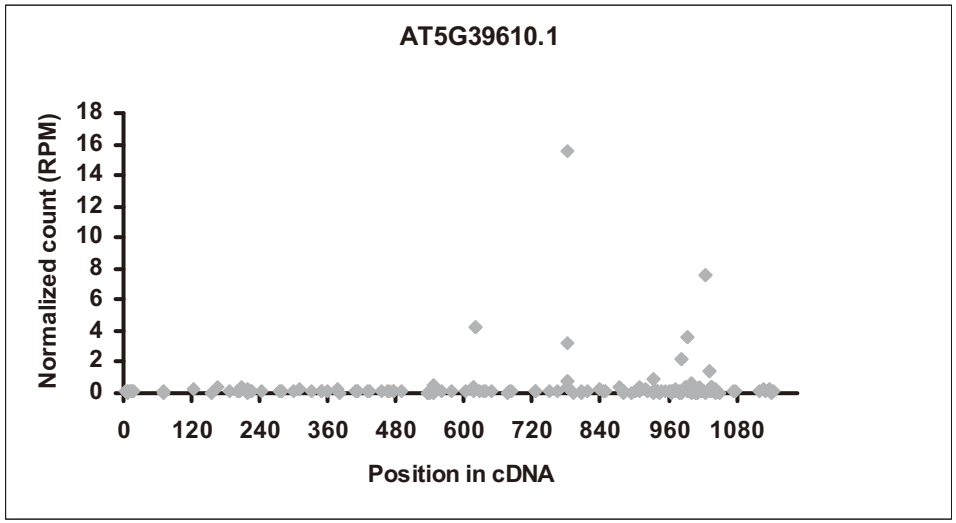

ath-miR167a/b/c/d
TWF
Tx4F
Normalized count (RPM)
25
20
15
10
5
0
2349
2359
2369
2379
2389
2399
2409
Position in cDNA

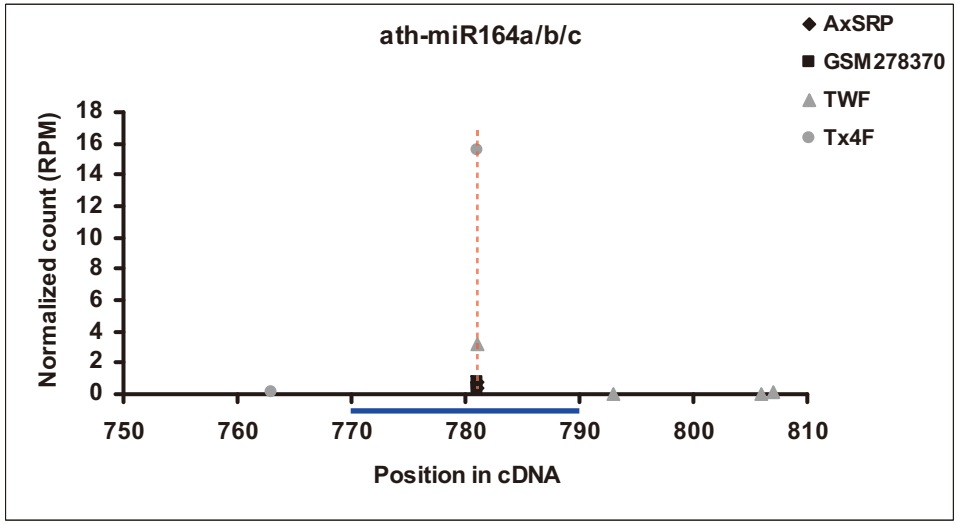

AT5G37020.2
Normalized count (RPM)
25
20
15
10
5
0
0
300
600
900
1200
1500
1800
2100
2400
2700
Position in cDNA

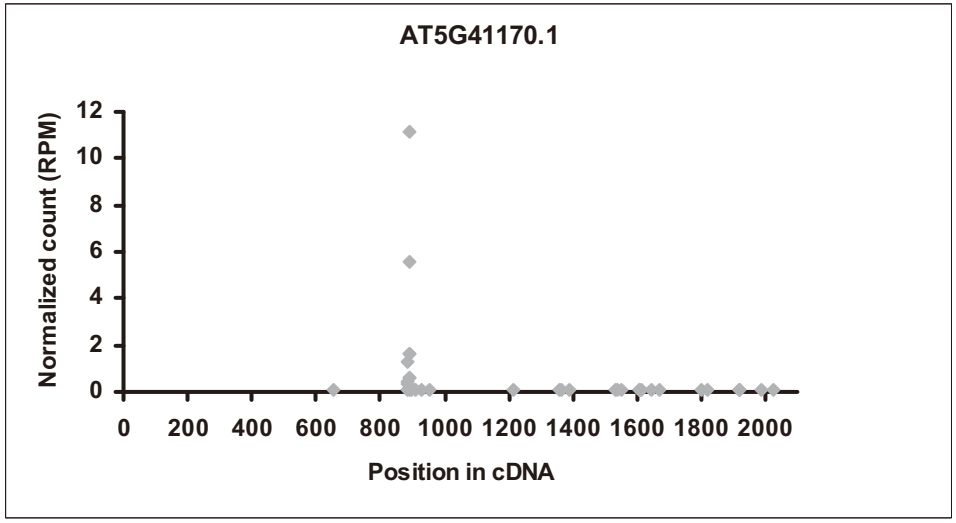

ath-miR167a/b/c/d
TWF
Tx4F
Normalized count (RPM)
25
20
15
10
5
0
2349
2359
2369
2379
2389
2399
2409
Position in cDNA

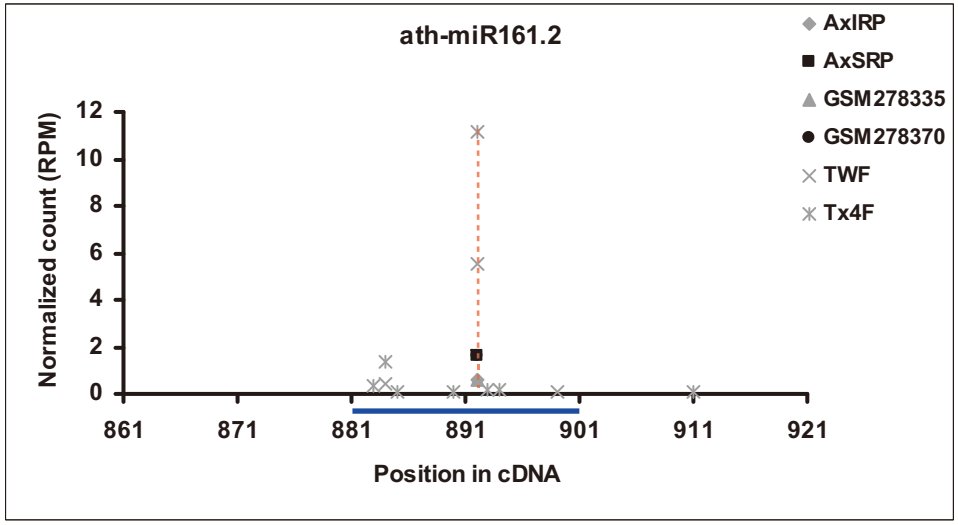

AT5G38610.1
Normalized count (RPM)
3
2.5
2
1.5
1
0.5
0
0
70
140
210
280
350
420
490
560
630
700
Position in cDNA

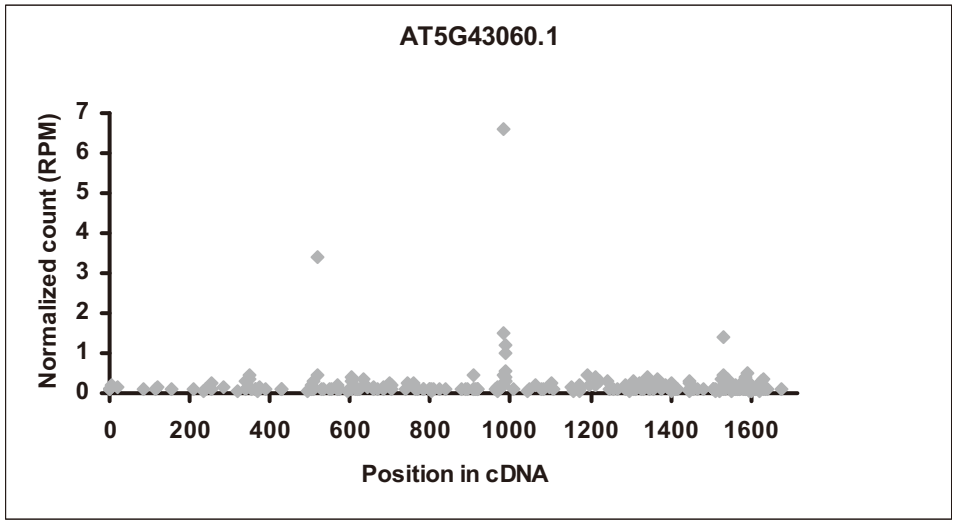

ath-miR156h
ath-miR157a/b/c/d
AxIRP
GSM278335
Tx4F
Normalized count (RPM)
3
2.5
2
1.5
1
0.5
0
560
570
580
590
600
610
Position in cDNA

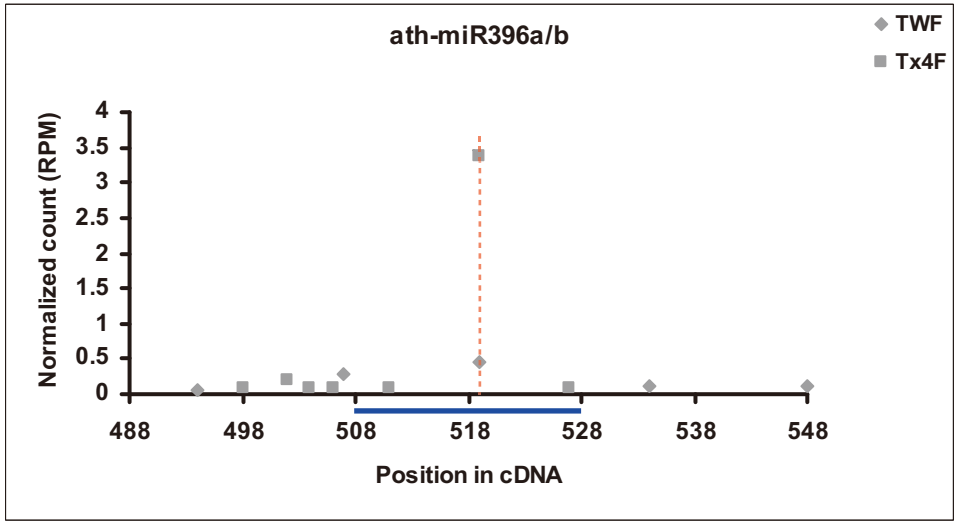

AT5G39610.1
Normalized count (RPM)
18
16
14
12
10
8
6
4
2
0
0
120
240
360
480
600
720
840
960
1080
Position in cDNA

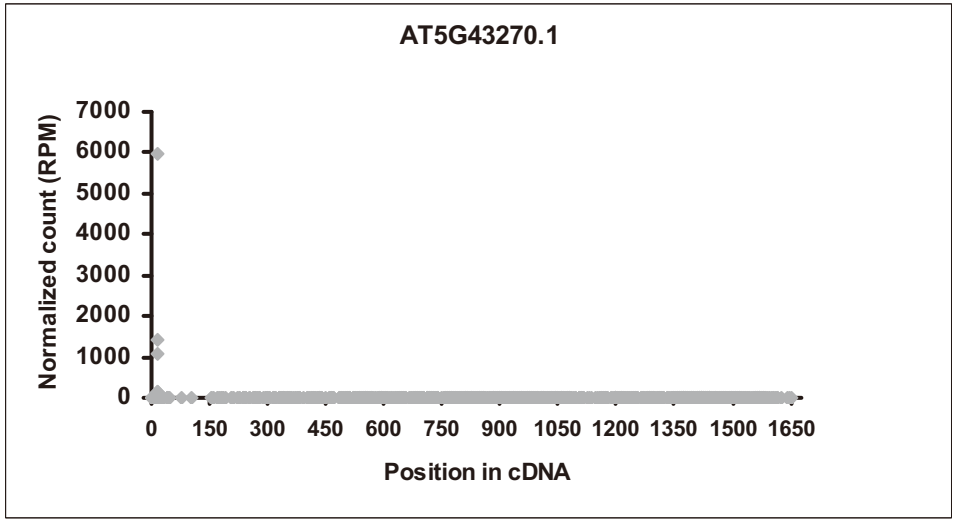

ath-miR164a/b/c
AxSRP
GSM278370
TWF
Tx4F
Normalized count (RPM)
18
16
14
12
10
8
6
4
2
0
750
760
770
780
790
800
810
Position in cDNA

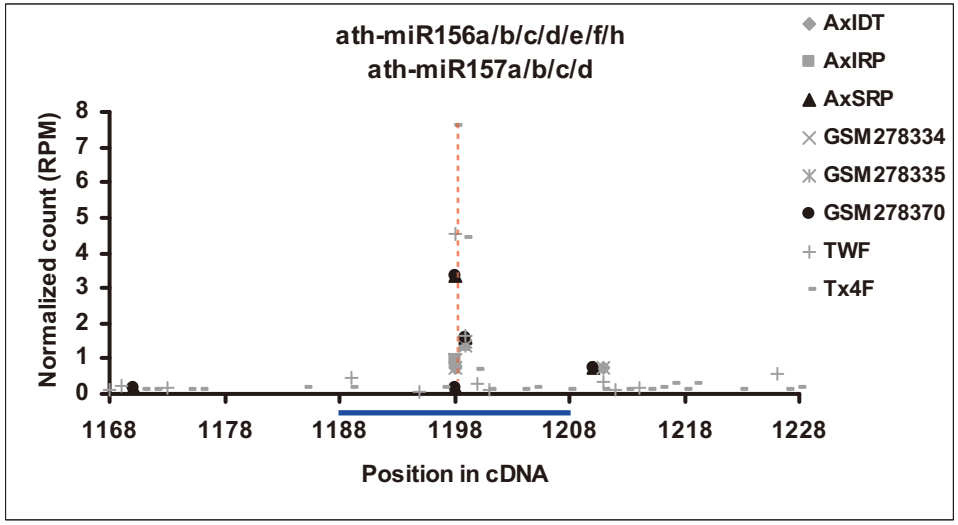

AT5G41170.1
Normalized count (RPM)
12
10
8
6
4
2
0
0
200
400
600
800
1000
1200
1400
1600
1800
2000
Position in cDNA

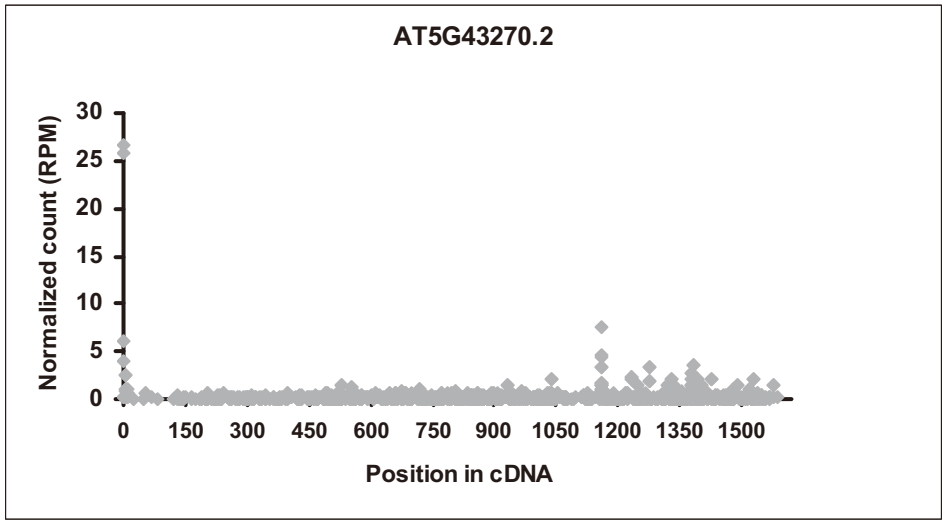

ath-miR161.2
AxIRP
AxSRP
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
12
10
8
6
4
2
0
861
871
881
891
901
911
921
Position in cDNA

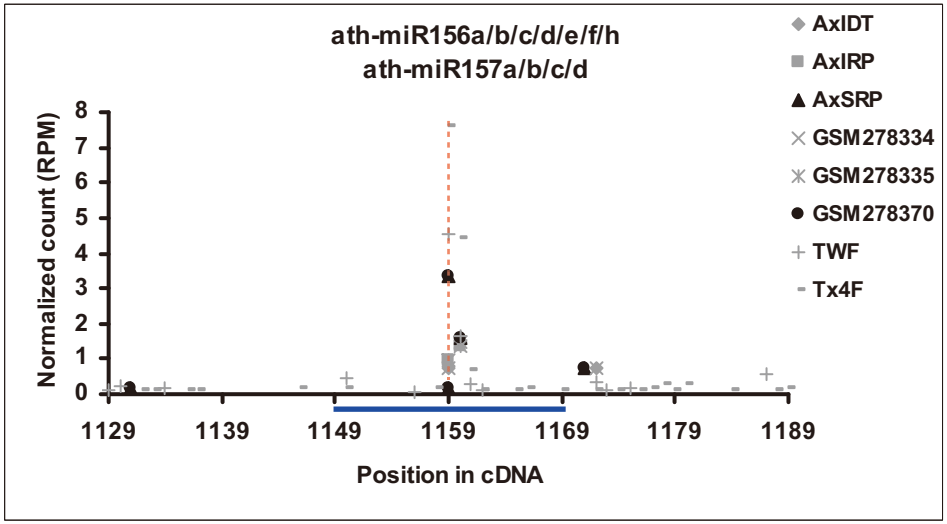

AT5G43060.1
Normalized count (RPM)
0
1
2
3
4
5
6
7
0
200
400
600
800
1000
1200
1400
1600
Position in cDNA

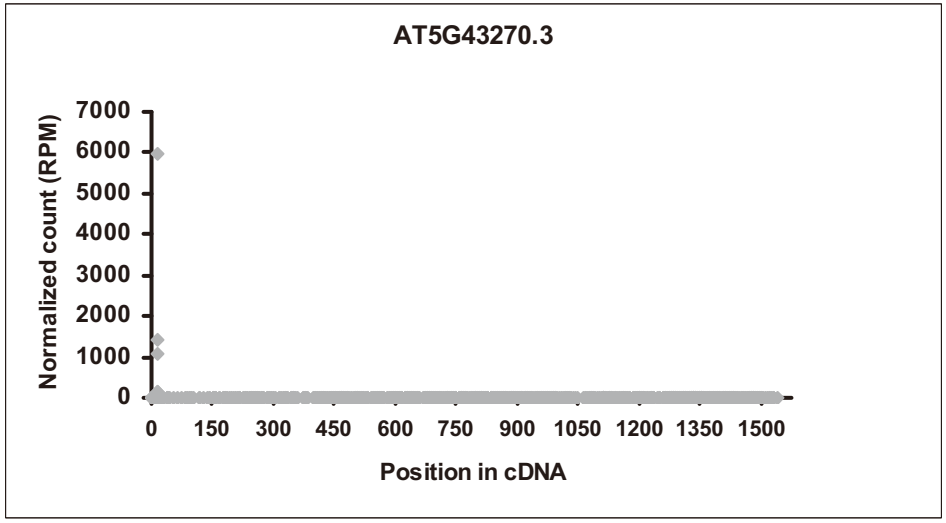

ath-miR396a/b
TWF
Tx4F
Normalized count (RPM)
0
0.5
1
1.5
2
2.5
3
3.5
4
488
498
508
518
528
538
548
Position in cDNA

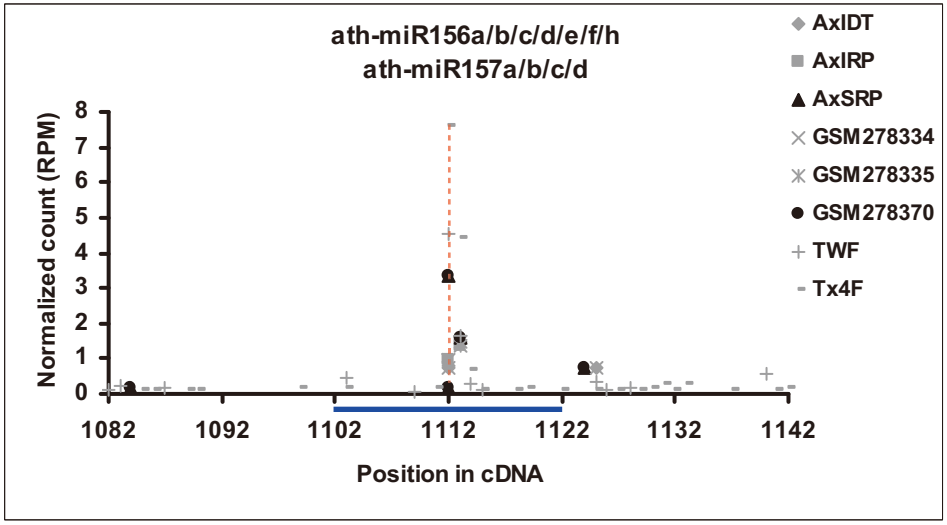

AT5G43270.1
Normalized count (RPM)
0
1000
2000
3000
4000
5000
6000
7000
0
150
300
450
600
750
900
1050
1200
1350
1500
1650
Position in cDNA

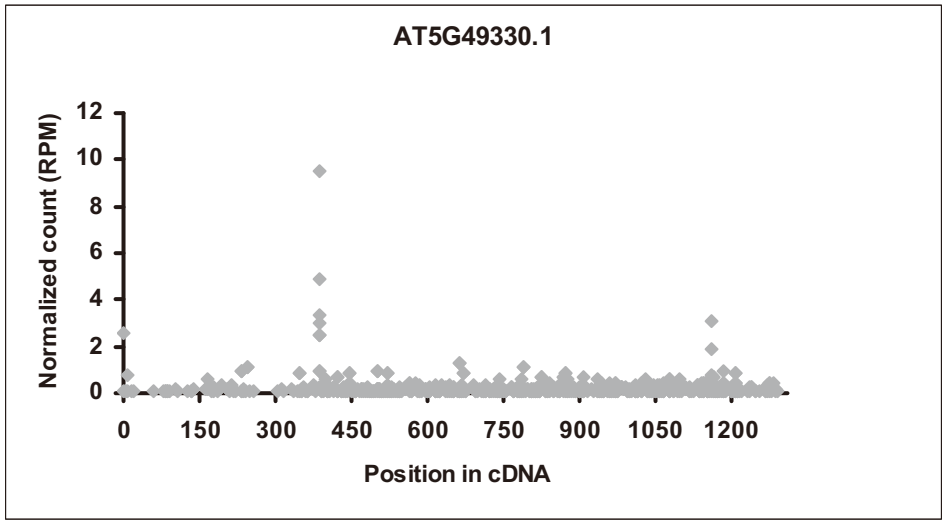

ath-miR156a/b/c/d/e/f/h
ath-miR157a/b/c/d
AxIDT
AxIRP
AxSRP
GSM278334
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
0
1
2
3
4
5
6
7
8
1168
1178
1188
1198
1208
1218
1228
Position in cDNA


AT5G43270.2
Normalized count (RPM)
30
25
20
15
10
5
0
0
150
300
450
600
750
900
1050
1200
1350
1500
Position in cDNA


ath-miR156a/b/c/d/e/f/h
ath-miR157a/b/c/d
AxIDT
AxIRP
AxSRP
GSM278334
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
8
7
6
5
4
3
2
1
0
1129
1139
1149
1159
1169
1179
1189
Position in cDNA


AT5G43270.3
Normalized count (RPM)
7000
6000
5000
4000
3000
2000
1000
0
0
150
300
450
600
750
900
1050
1200
1350
1500
Position in cDNA


ath-miR156a/b/c/d/e/f/h
ath-miR157a/b/c/d
AxIDT
AxIRP
AxSRP
GSM278334
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
8
7
6
5
4
3
2
1
0
1082
1092
1102
1112
1122
1132
1142
Position in cDNA


AT5G49330.1
Normalized count (RPM)
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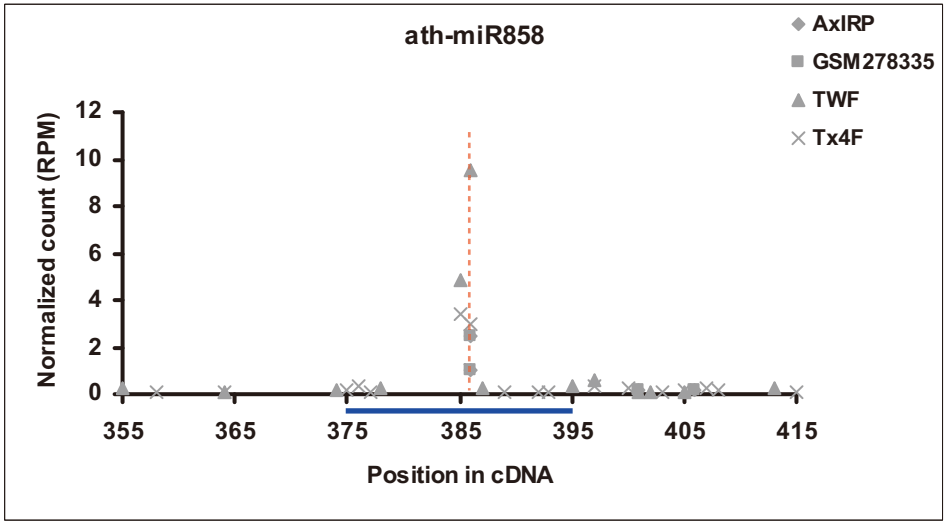
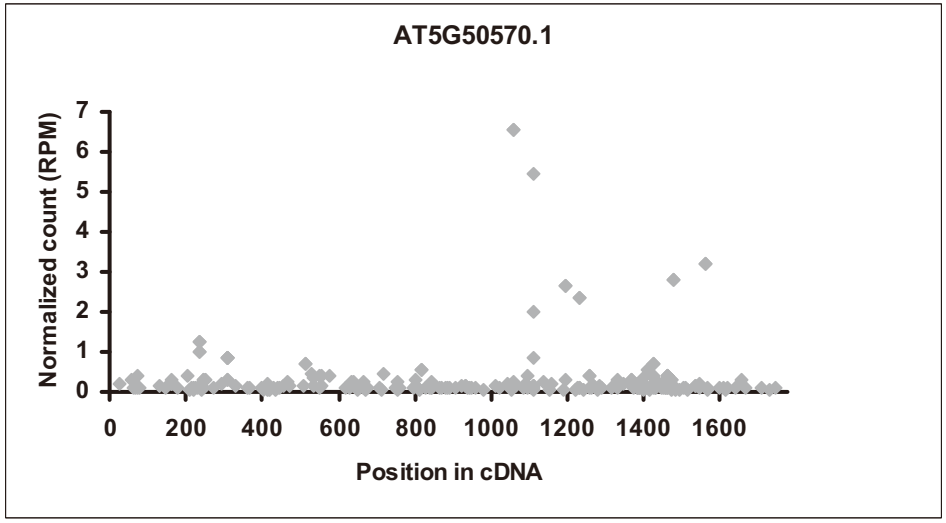
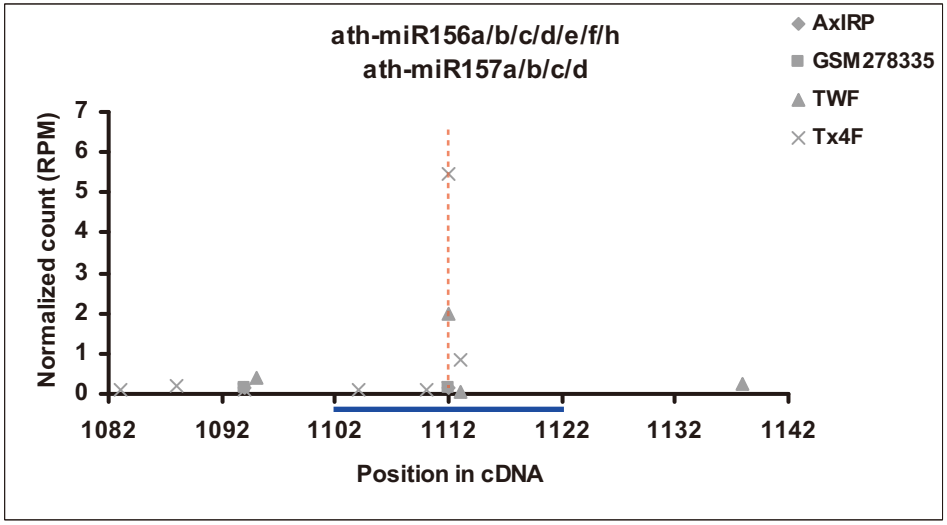
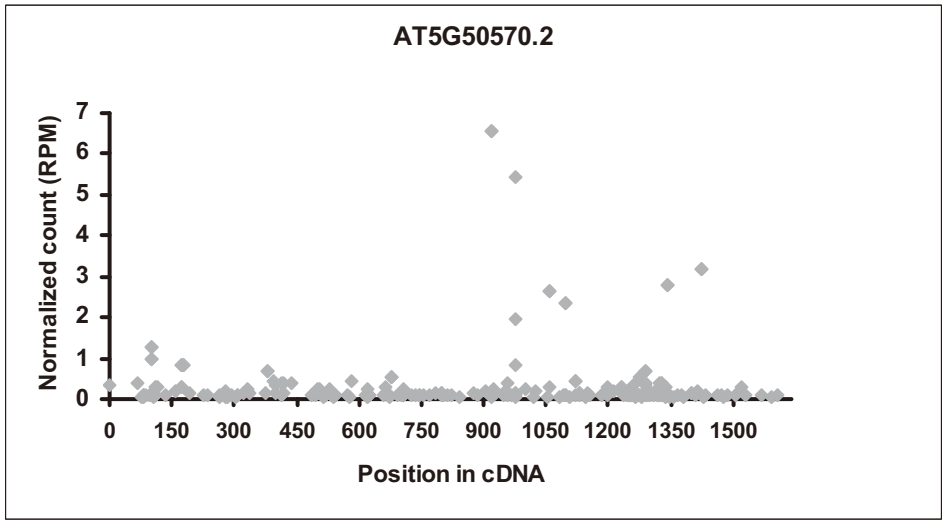
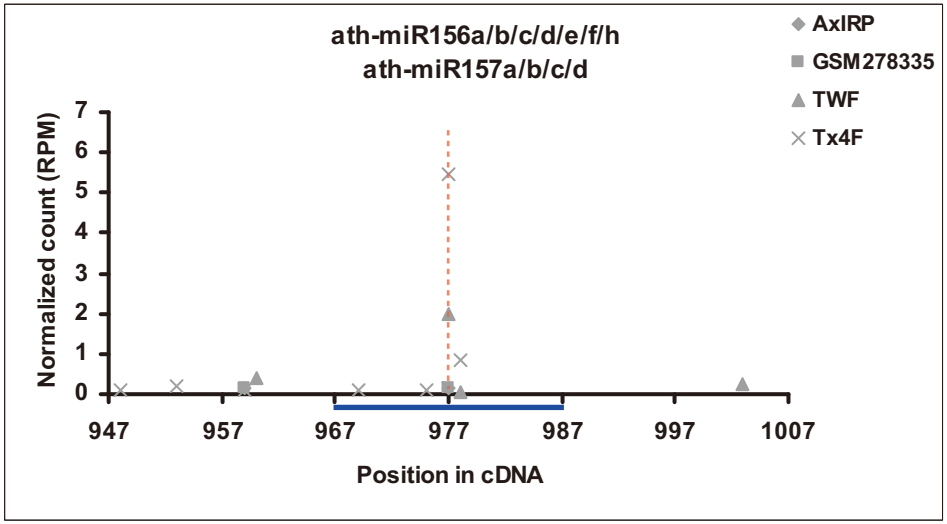
2
4
6
8
10
12
0
150
300
450
600
750
900
1050
1200
Position in cDNA

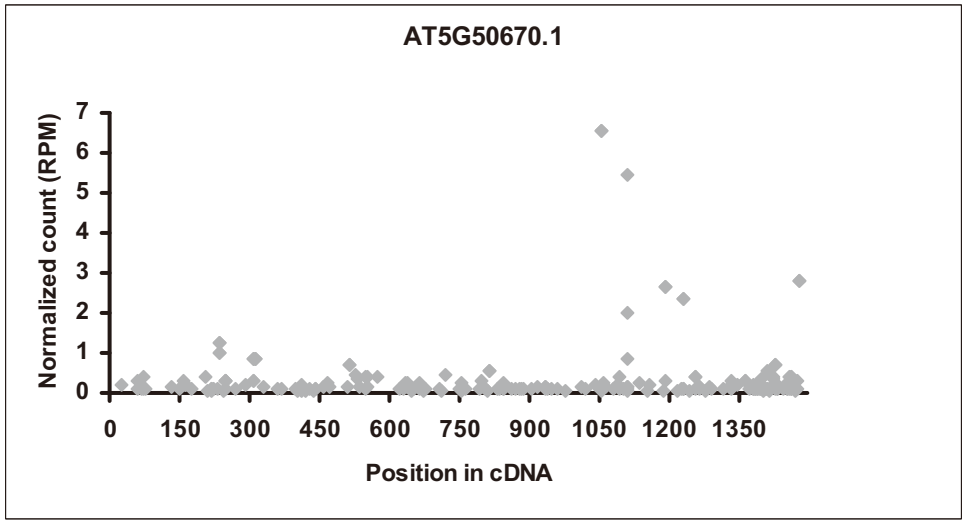

ath-miR858
AxIRP
GSM278335
TWF
Tx4F
Normalized count (RPM)
0
2
4
6
8
10
12
355
365
375
385
395
405
415
Position in cDNA

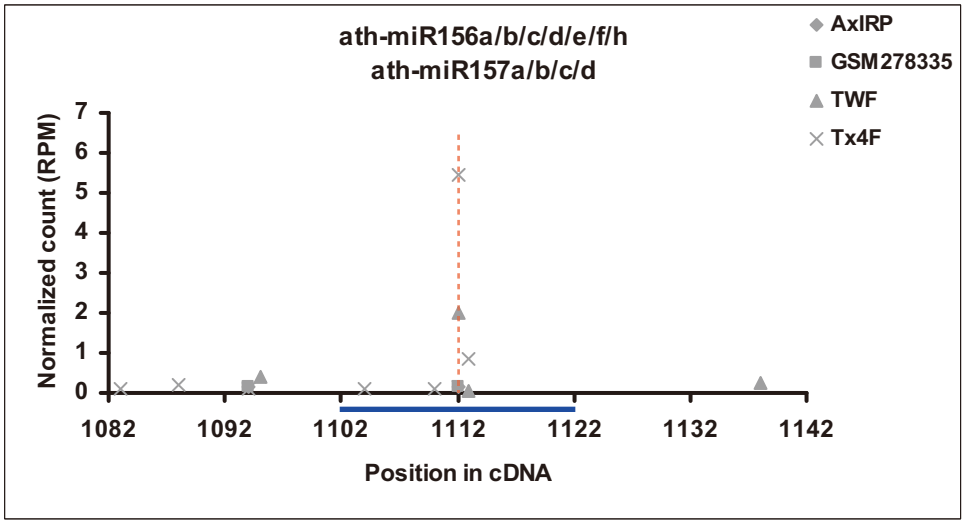

AT5G50570.1
Normalized count (RPM)
0
1
2
3
4
5
6
7
0
200
400
600
800
1000
1200
1400
1600
Position in cDNA

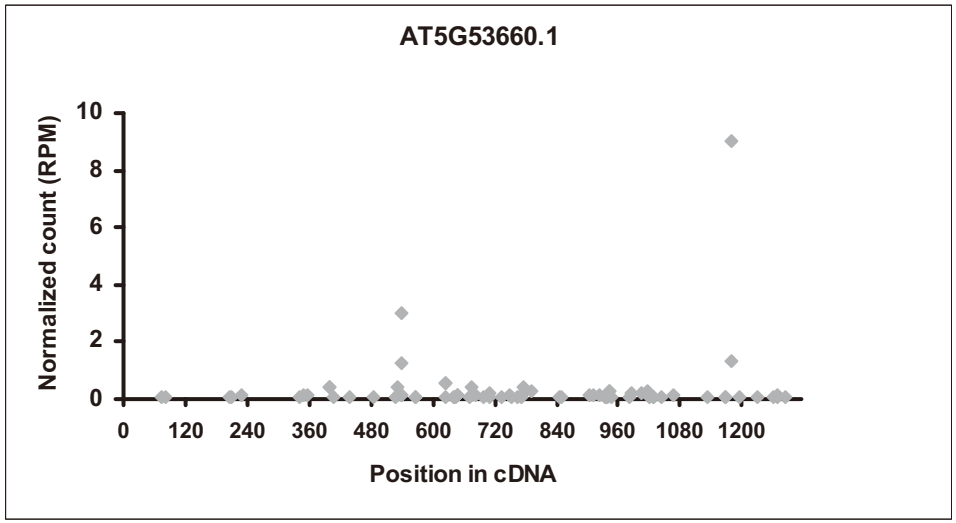

ath-miR156a/b/c/d/e/f/h
ath-miR157a/b/c/d
AxIRP
GSM278335
TWF
Tx4F
Normalized count (RPM)
0
1
2
3
4
5
6
7
1082
1092
1102
1112
1122
1132
1142
Position in cDNA

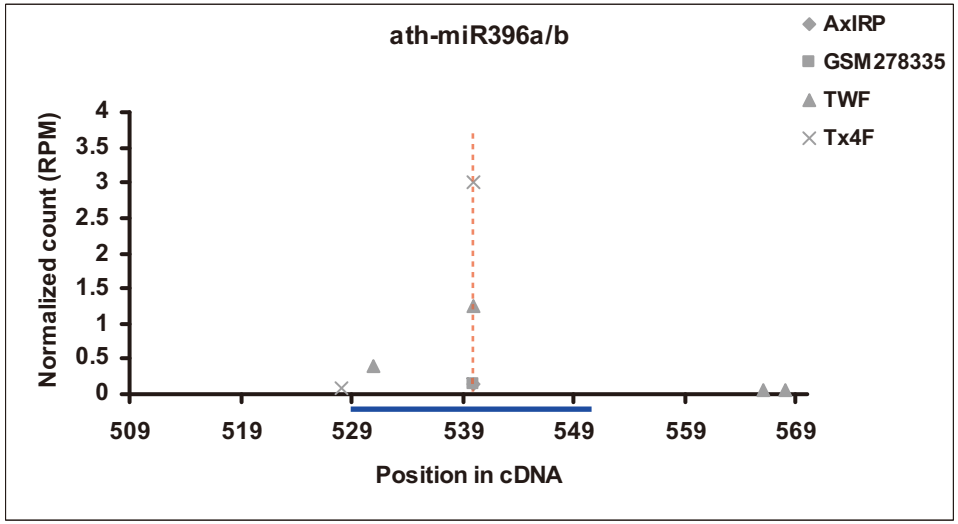

AT5G50570.2
Normalized count (RPM)
0
1
2
3
4
5
6
7
0
150
300
450
600
750
900
1050
1200
1350
1500
Position in cDNA

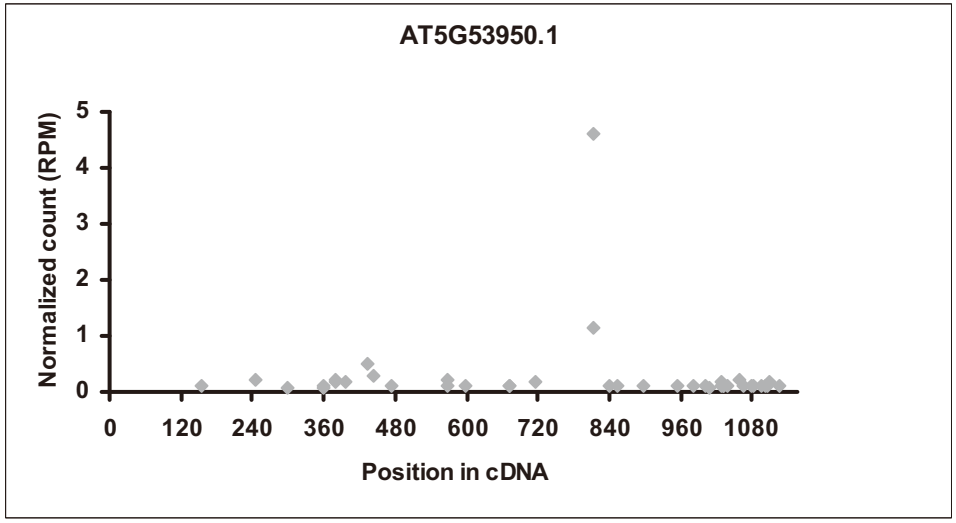

ath-miR156a/b/c/d/e/f/h
ath-miR157a/b/c/d
AxIRP
GSM278335
TWF
Tx4F
Normalized count (RPM)
0
1
2
3
4
5
6
7
947
957
967
977
987
997
1007
Position in cDNA

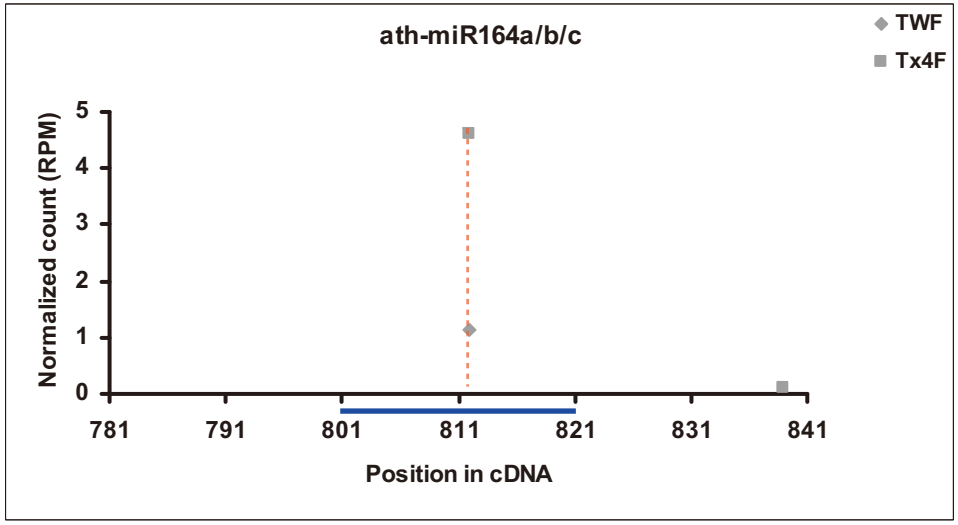

AT5G50670.1
Normalized count (RPM)
0
1
2
3
4
5
6
7
0
150
300
450
600
750
900
1050
1200
1350
Position in cDNA

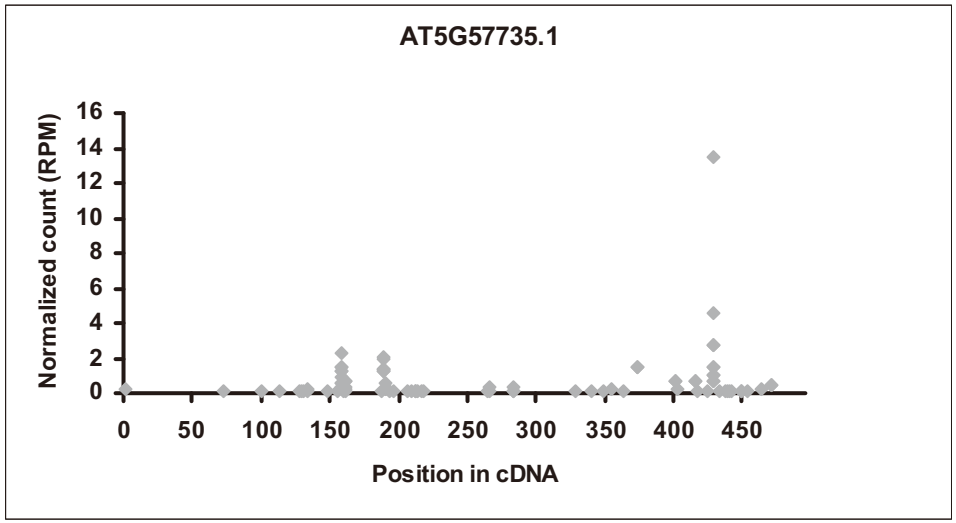

ath-miR156a/b/c/d/e/f/h
ath-miR157a/b/c/d
AxIRP
GSM278335
TWF
Tx4F
Normalized count (RPM)
0
1
2
3
4
5
6
7
1082
1092
1102
1112
1122
1132
1142
Position in cDNA

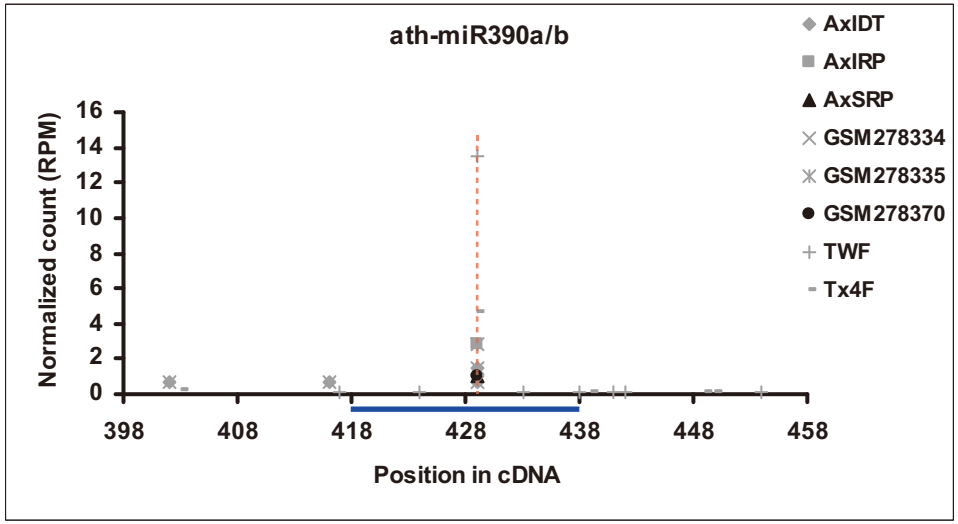

AT5G53660.1
Normalized count (RPM)
10
8
6
4
2
0
0
120
240
360
480
600
720
840
960
1080
1200
Position in cDNA

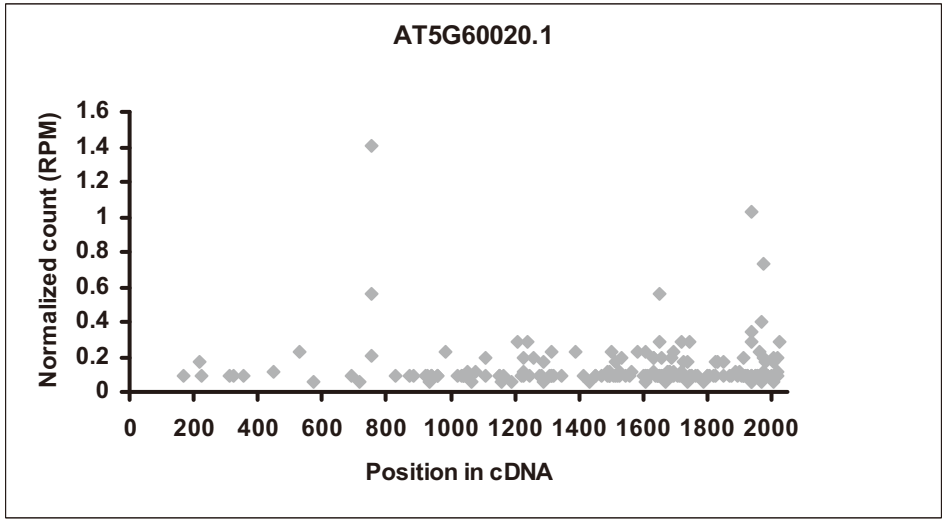

ath-miR396a/b
AxIRP
GSM278335
TWF
Tx4F
Normalized count (RPM)
4
3.5
3
2.5
2
1.5
1
0.5
0
509
519
529
539
549
559
569
Position in cDNA

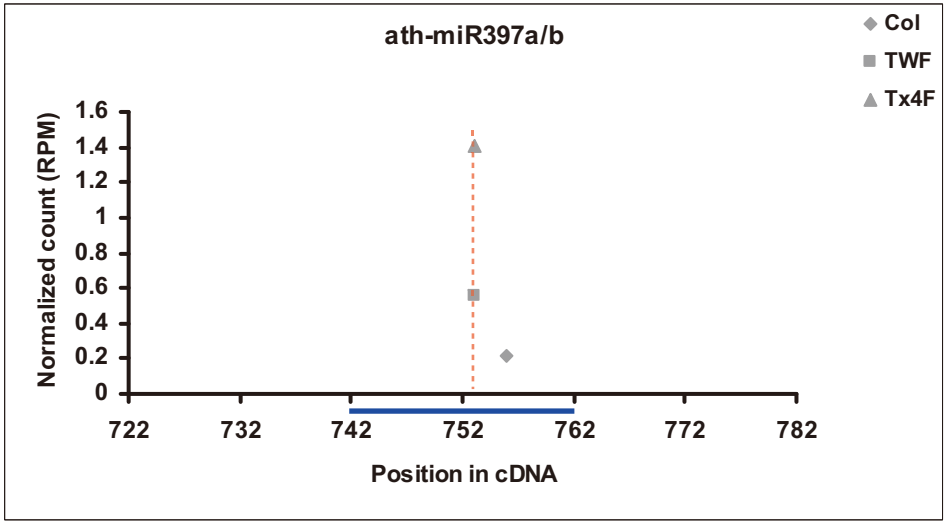

AT5G53950.1
Normalized count (RPM)
5
4
3
2
1
0
0
120
240
360
480
600
720
840
960
1080
Position in cDNA

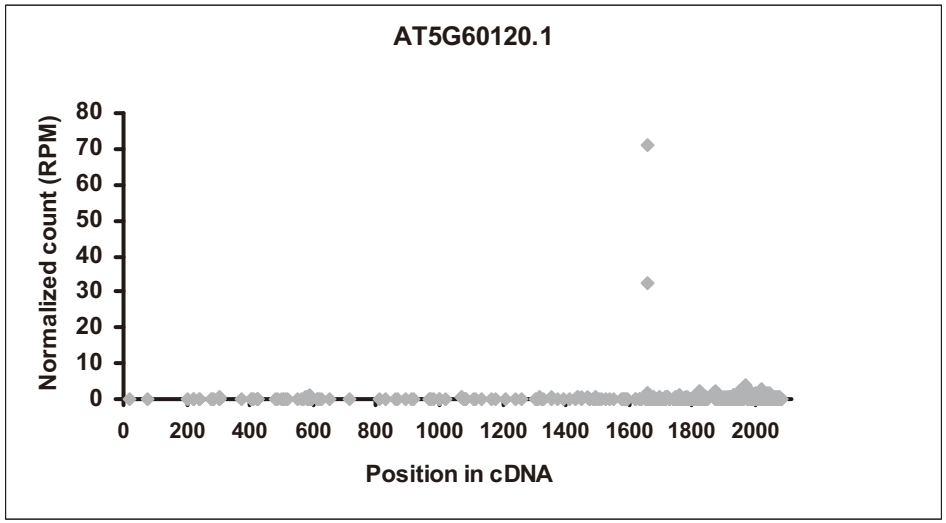

ath-miR164a/b/c
TWF
Tx4F
Normalized count (RPM)
5
4
3
2
1
0
781
791
801
811
821
831
841
Position in cDNA

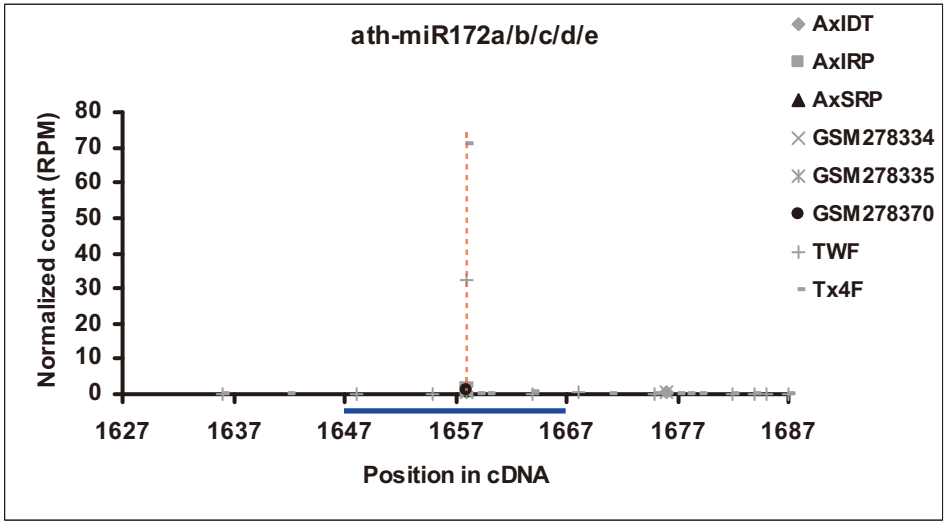

AT5G57735.1
Normalized count (RPM)
16
14
12
10
8
6
4
2
0
0
50
100
150
200
250
300
350
400
450
Position in cDNA

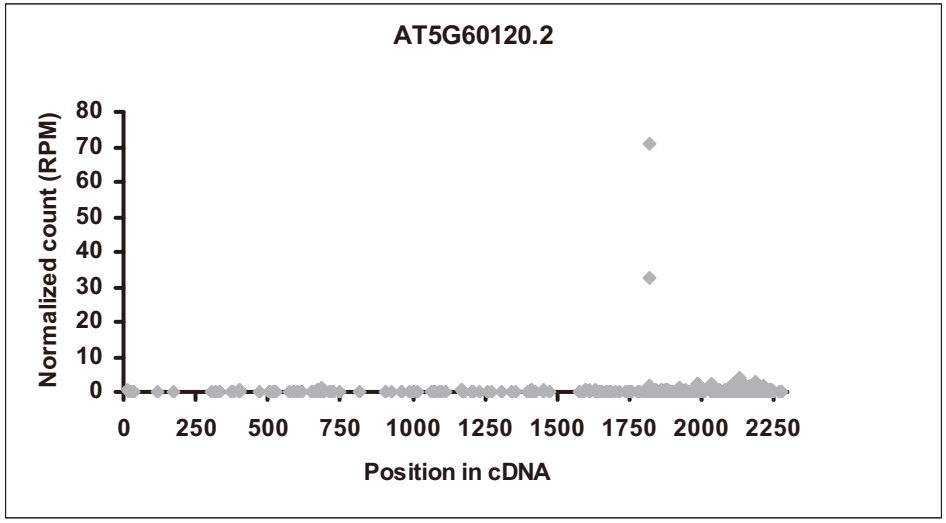

ath-miR390a/b
AxIDT
AxIRP
AxSRP
GSM278334
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
16
14
12
10
8
6
4
2
0
398
408
418
428
438
448
458
Position in cDNA

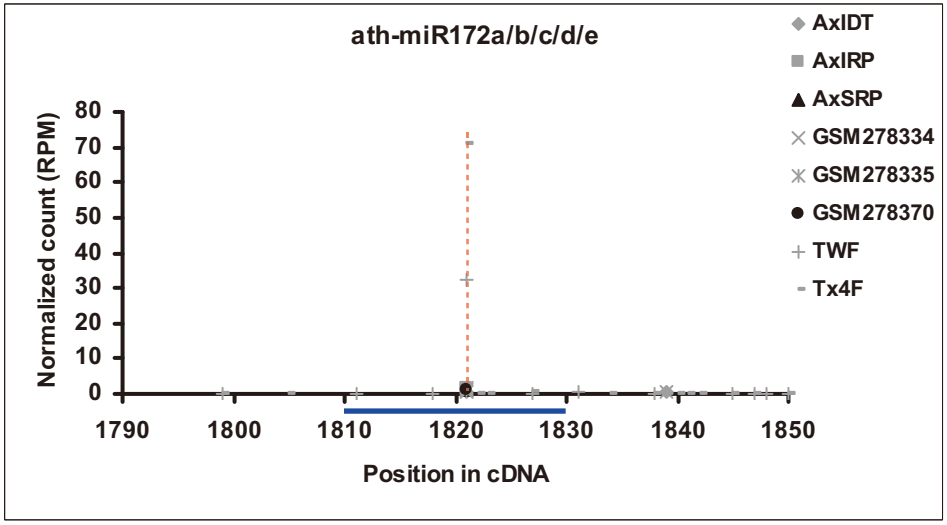

AT5G60020.1
Normalized count (RPM)
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000
1200
1400
1600
1800
2000
Position in cDNA

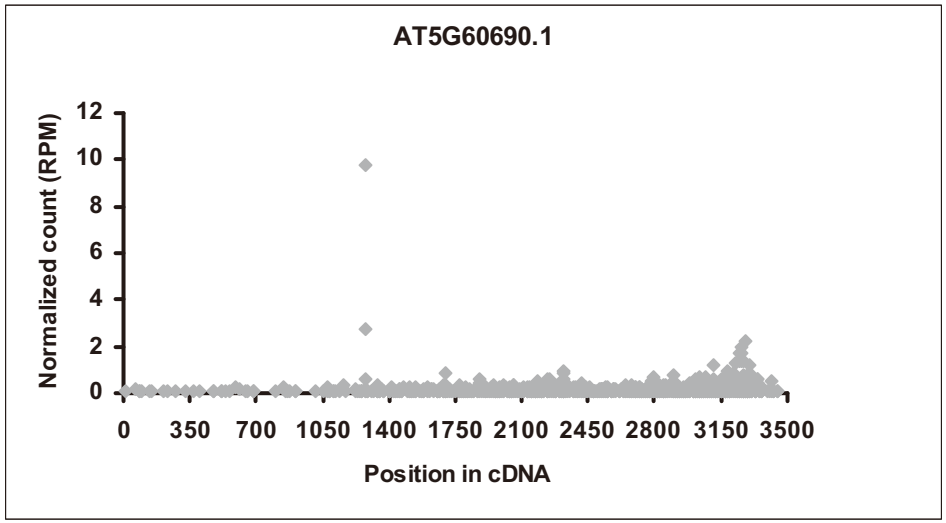

ath-miR397a/b
Col
TWF
Tx4F
Normalized count (RPM)
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
722
732
742
752
762
772
782
Position in cDNA

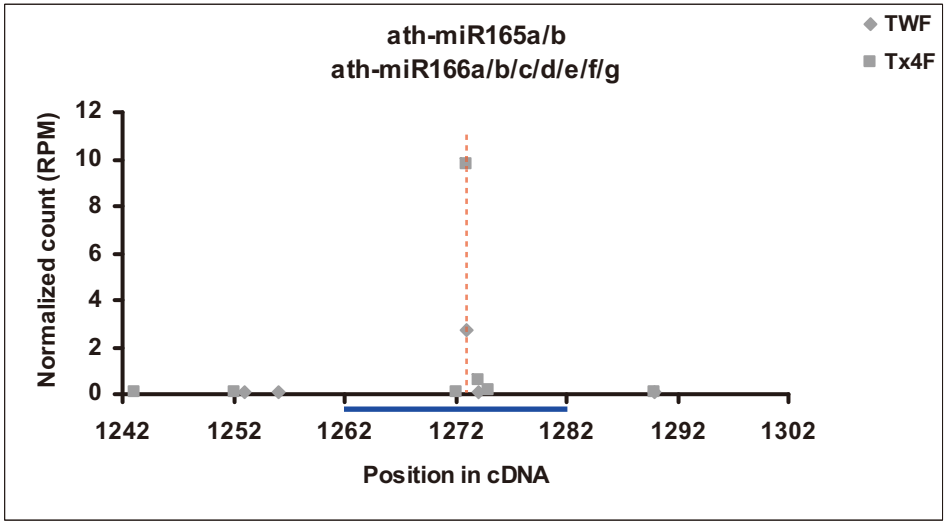

AT5G60120.1
Normalized count (RPM)
80
70
60
50
40
30
20
10
0
0
200
400
600
800
1000
1200
1400
1600
1800
2000
Position in cDNA

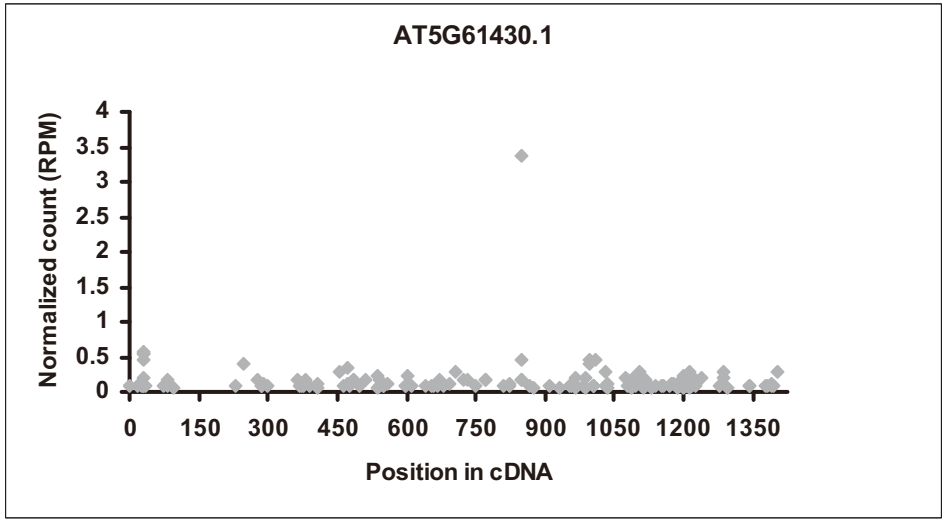

ath-miR172a/b/c/d/e
AxIDT
AxIRP
AxSRP
GSM278334
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
80
70
60
50
40
30
20
10
0
1627
1637
1647
1657
1667
1677
1687
Position in cDNA

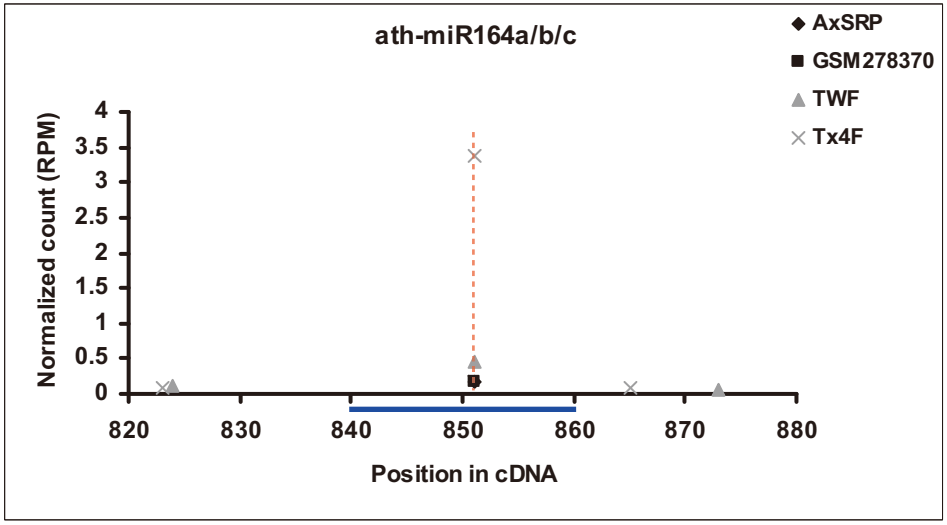

AT5G60120.2
Normalized count (RPM)
80
70
60
50
40
30
20
10
0
0
250
500
750
1000
1250
1500
1750
2000
2250
Position in cDNA

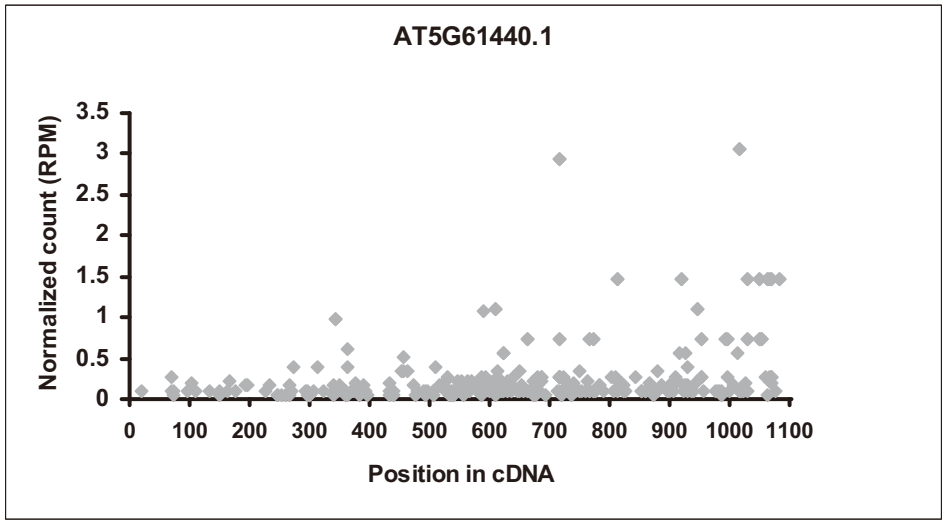

ath-miR172a/b/c/d/e
AxIDT
AxIRP
AxSRP
GSM278334
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
80
70
60
50
40
30
20
10
0
1790
1800
1810
1820
1830
1840
1850
Position in cDNA

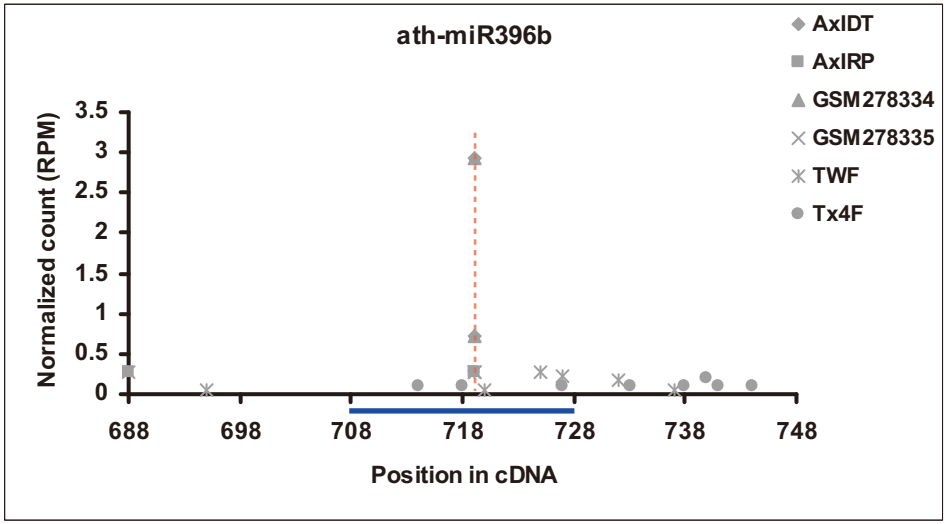

AT5G60690.1
Normalized count (RPM)
12
10
8
6
4
2
0
0
350
700
1050
1400
1750
2100
2450
2800
3150
3500
Position in cDNA

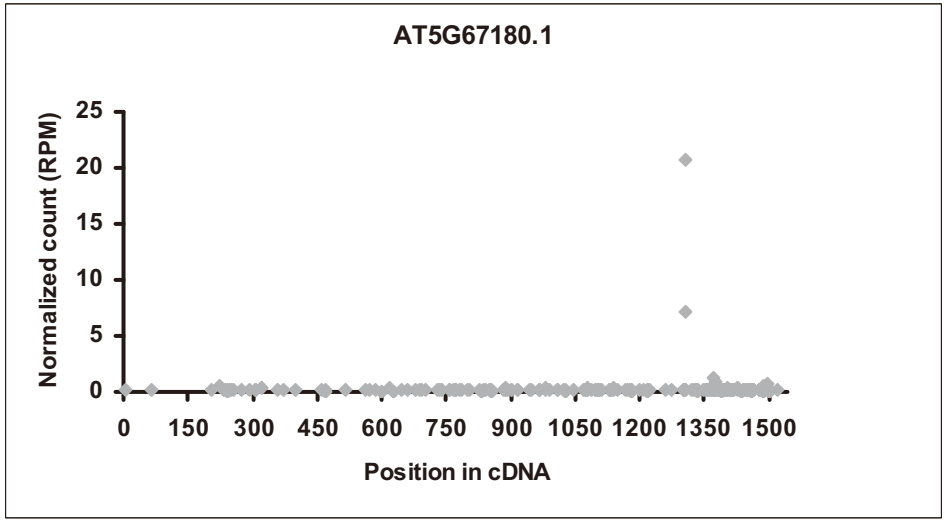

ath-miR165a/b
ath-miR166a/b/c/d/e/f/g
TWF
Tx4F
Normalized count (RPM)
12
10
8
6
4
2
0
1242
1252
1262
1272
1282
1292
1302
Position in cDNA

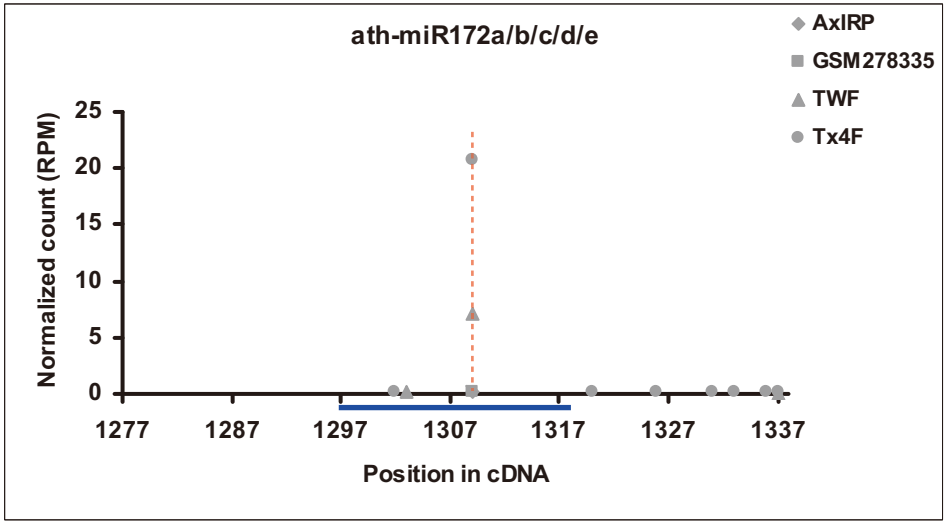

AT5G61430.1
Normalized count (RPM)
4
3.5
3
2.5
2
1.5
1
0.5
0
0
150
300
450
600
750
900
1050
1200
1350
Position in cDNA

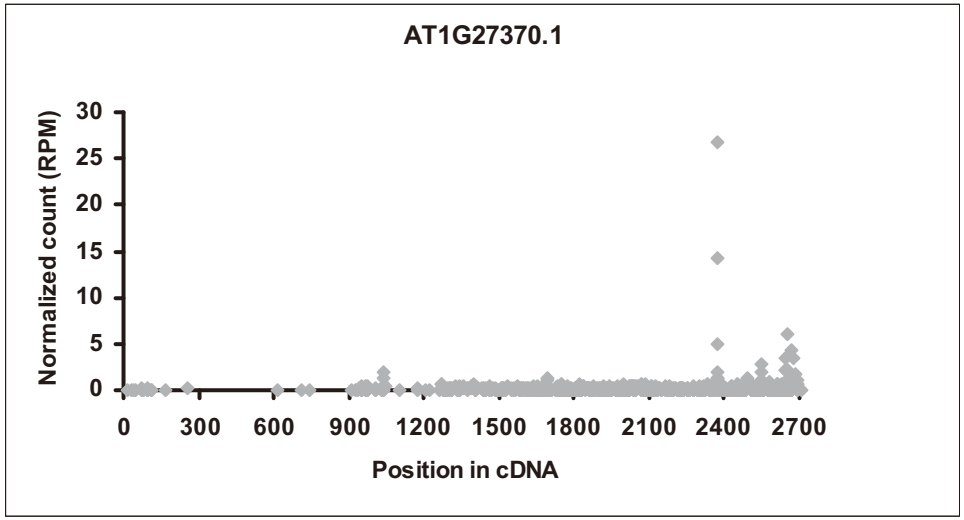

ath-miR164a/b/c
AxSRP
GSM278370
TWF
Tx4F
Normalized count (RPM)
4
3.5
3
2.5
2
1.5
1
0.5
0
820
830
840
850
860
870
880
Position in cDNA

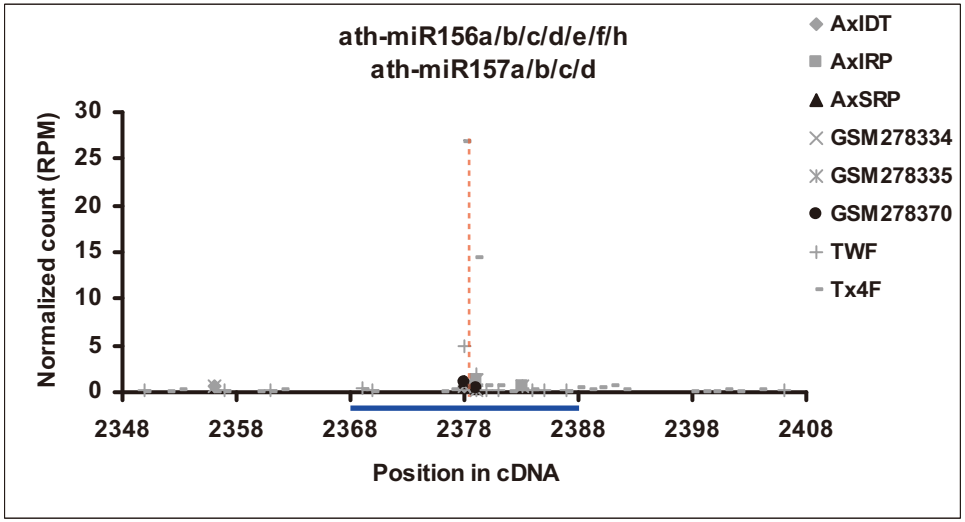

AT5G61440.1
Normalized count (RPM)
3.5
3
2.5
2
1.5
1
0.5
0
0
100
200
300
400
500
600
700
800
900
1000
1100
Position in cDNA

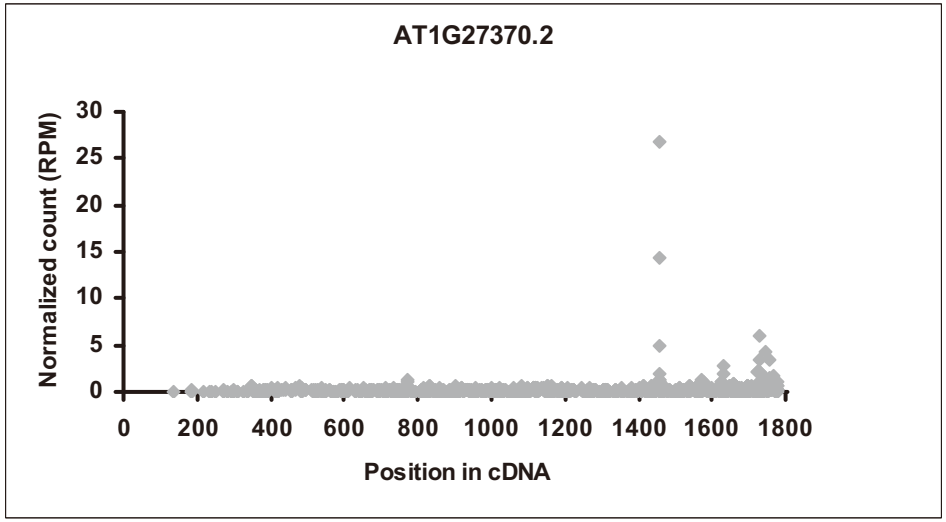

ath-miR396b
AxIDT
AxIRP
GSM278334
GSM278335
TWF
Tx4F
Normalized count (RPM)
3.5
3
2.5
2
1.5
1
0.5
0
688
698
708
718
728
738
748
Position in cDNA

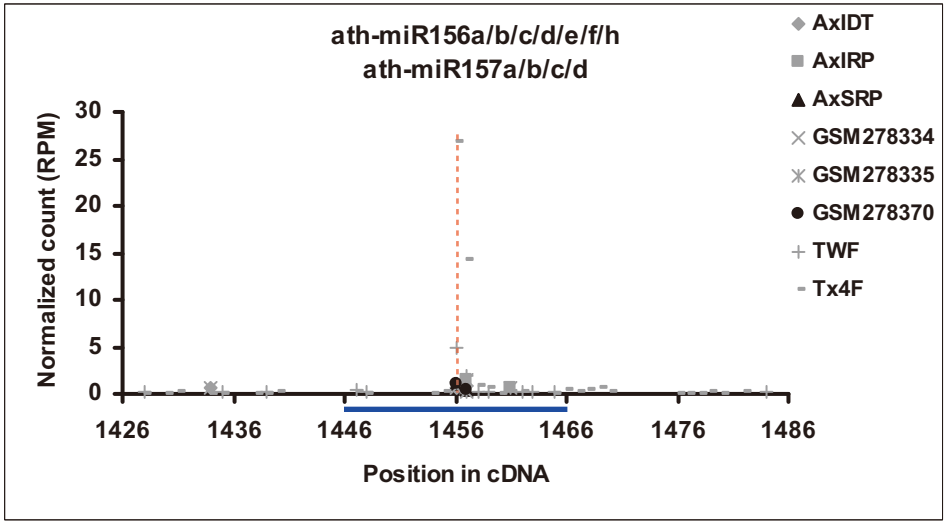

AT5G67180.1
Normalized count (RPM)
25
20
15
10
5
0
0
150
300
450
600
750
900
1050
1200
1350
1500
Position in cDNA

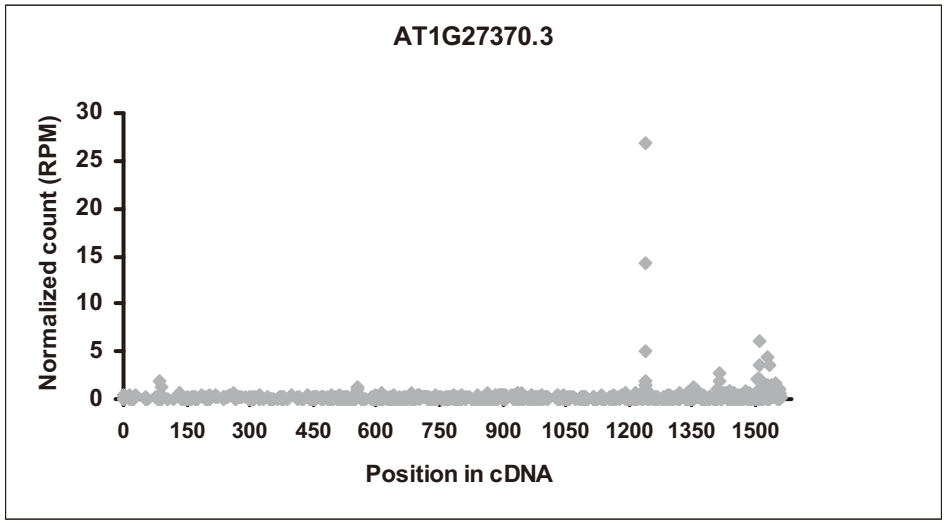

ath-miR172a/b/c/d/e
AxIRP
GSM278335
TWF
Tx4F
Normalized count (RPM)
25
20
15
10
5
0
1277
1287
1297
1307
1317
1327
1337
Position in cDNA

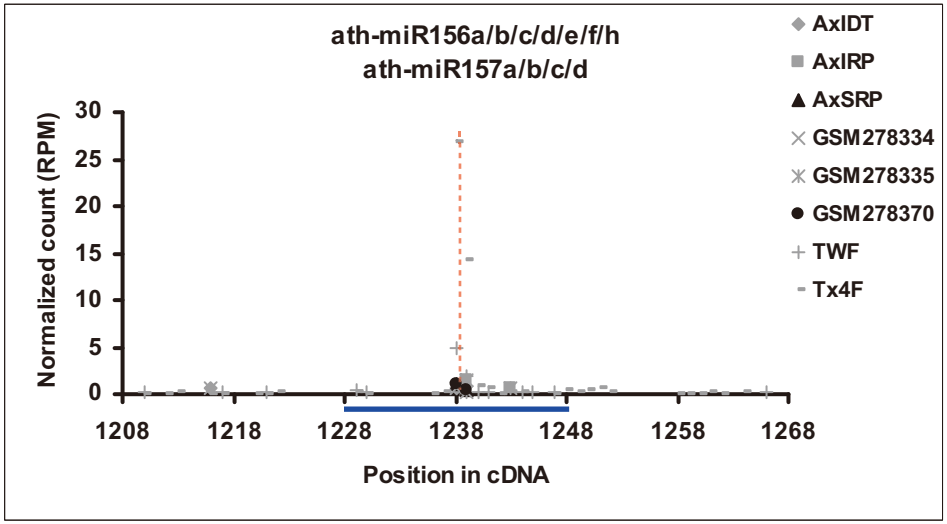

AT1G27370.1
Normalized count (RPM)
30
25
20
15
10
5
0
0
300
600
900
1200
1500
1800
2100
2400
2700
Position in cDNA

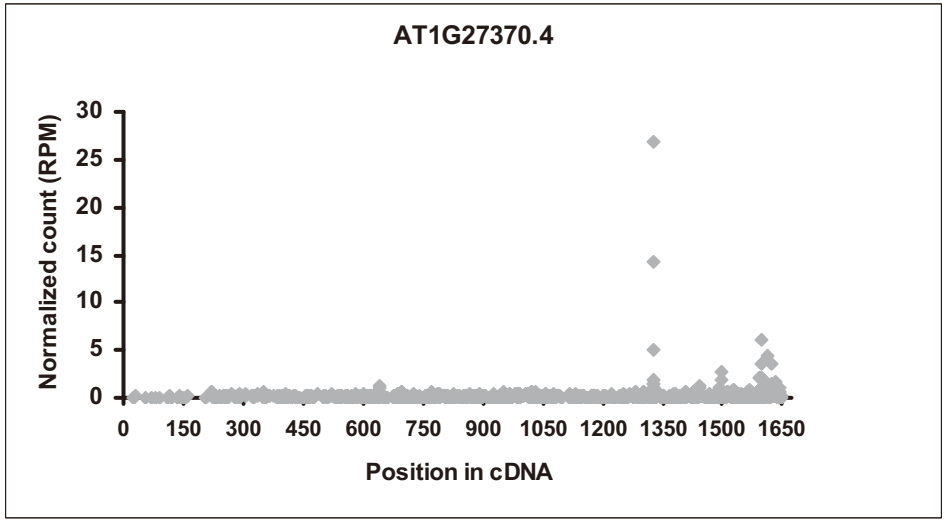

ath-miR156a/b/c/d/e/f/h
ath-miR157a/b/c/d
AxIDT
AxIRP
AxSRP
GSM278334
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
30
25
20
15
10
5
0
2348
2358
2368
2378
2388
2398
2408
Position in cDNA

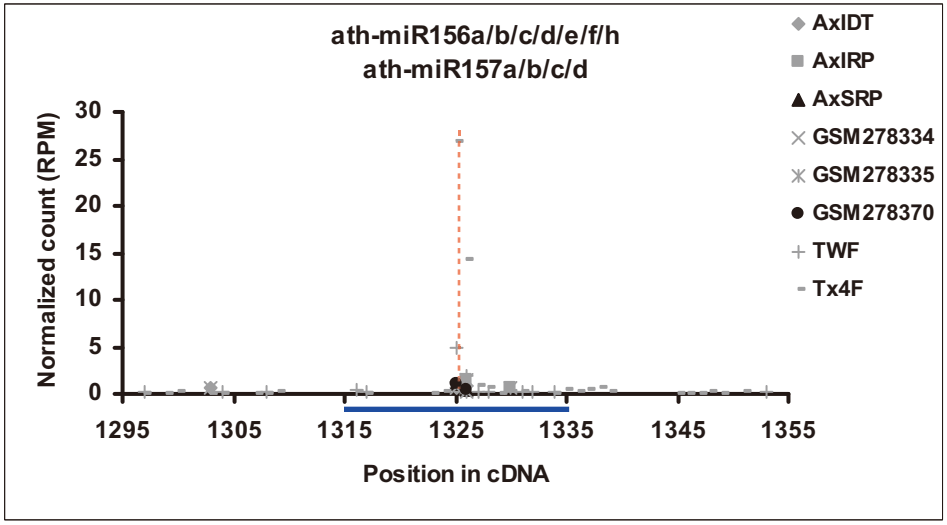

AT1G27370.2
Normalized count (RPM)
30
25
20
15
10
5
0
0
200
400
600
800
1000
1200
1400
1600
1800
Position in cDNA

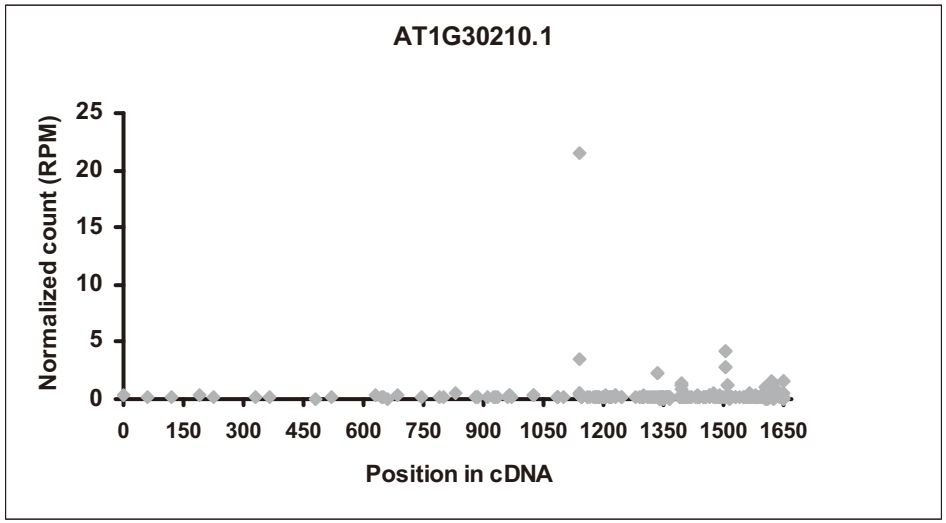

ath-miR156a/b/c/d/e/f/h
ath-miR157a/b/c/d
AxIDT
AxIRP
AxSRP
GSM278334
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
30
25
20
15
10
5
0
1426
1436
1446
1456
1466
1476
1486
Position in cDNA

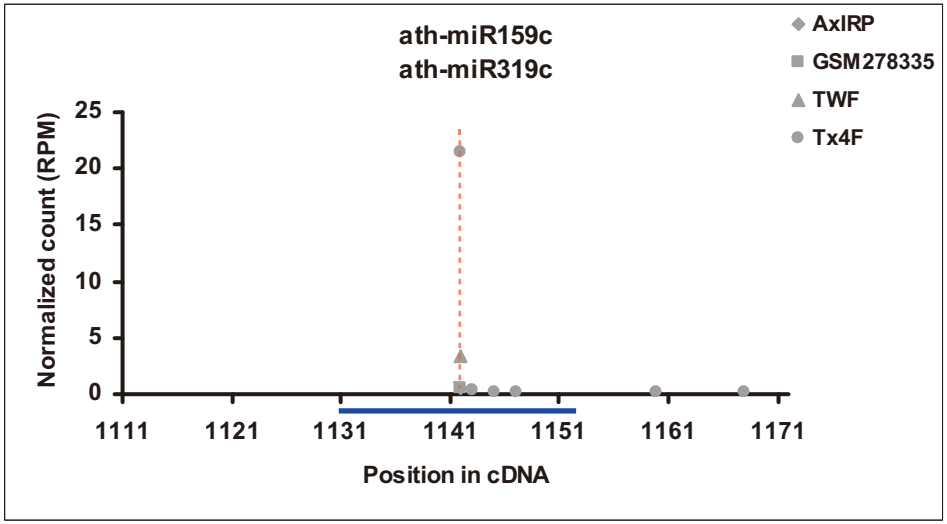

AT1G27370.3
Normalized count (RPM)
30
25
20
15
10
5
0
0
150
300
450
600
750
900
1050
1200
1350
1500
Position in cDNA

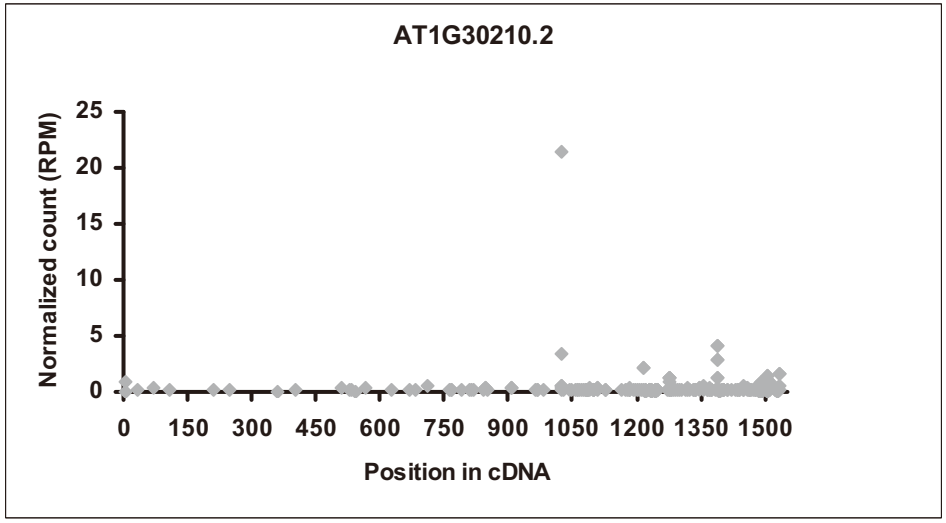

ath-miR156a/b/c/d/e/f/h
ath-miR157a/b/c/d
AxIDT
AxIRP
AxSRP
GSM278334
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
30
25
20
15
10
5
0
1208
1218
1228
1238
1248
1258
1268
Position in cDNA

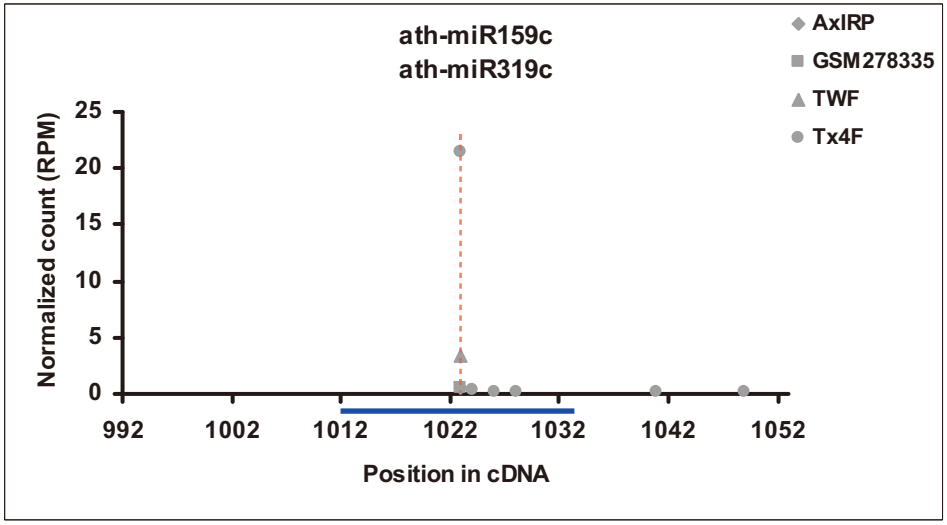

AT1G27370.4
Normalized count (RPM)
30
25
20
15
10
5
0
0
150
300
450
600
750
900
1050
1200
1350
1500
1650
Position in cDNA

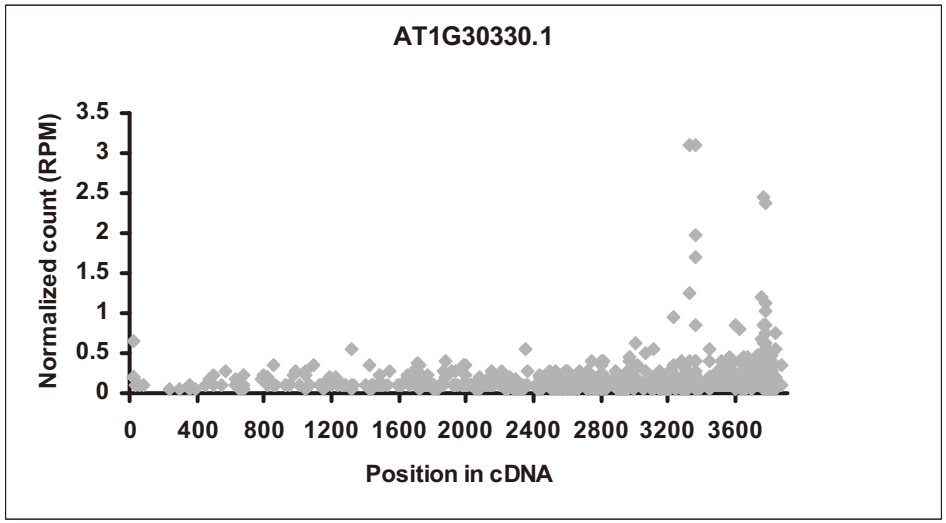

ath-miR156a/b/c/d/e/f/h
ath-miR157a/b/c/d
AxIDT
AxIRP
AxSRP
GSM278334
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
30
25
20
15
10
5
0
1295
1305
1315
1325
1335
1345
1355
Position in cDNA

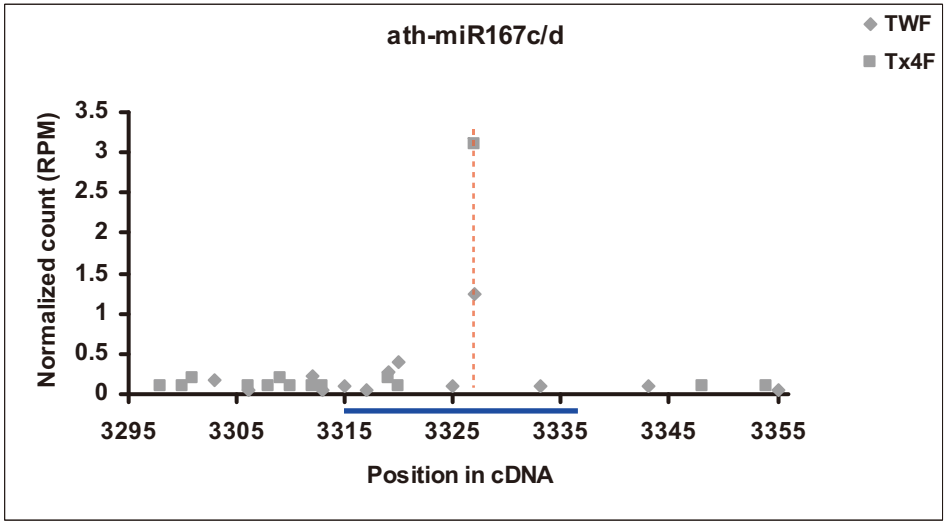

AT1G30210.1
Normalized count (RPM)
25
20
15
10
5
0
0
150
300
450
600
750
900
1050
1200
1350
1500
1650
Position in cDNA

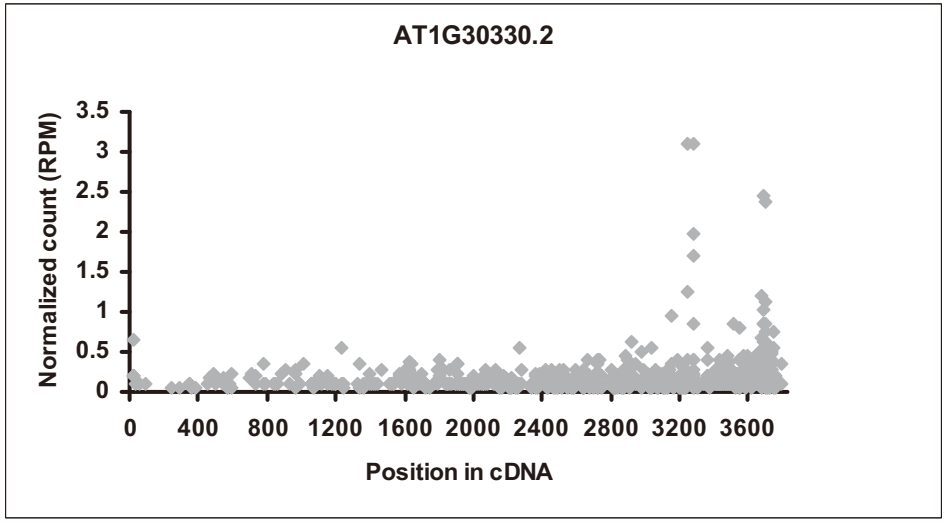

ath-miR159c
ath-miR319c
AxIRP
GSM278335
TWF
Tx4F
Normalized count (RPM)
25
20
15
10
5
0
1111
1121
1131
1141
1151
1161
1171
Position in cDNA

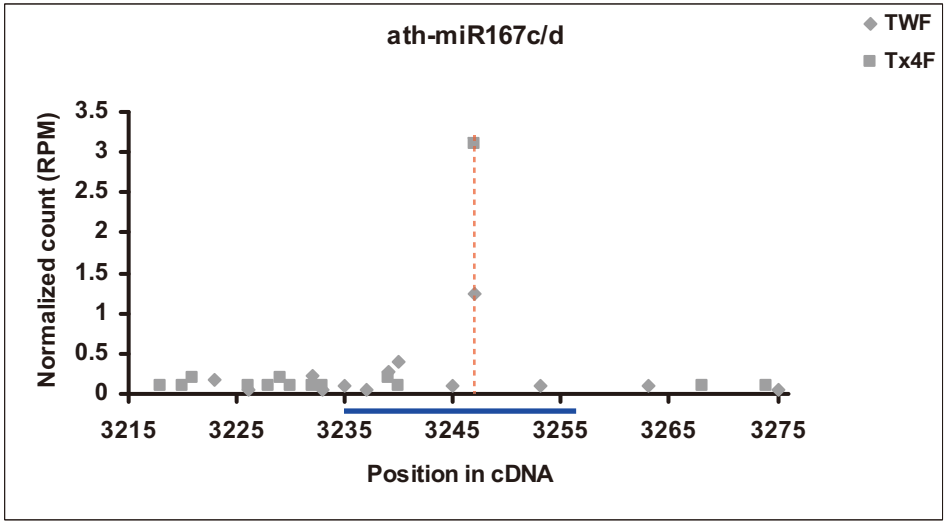

AT1G30210.2
Normalized count (RPM)
25
20
15
10
5
0
0
150
300
450
600
750
900
1050
1200
1350
1500
Position in cDNA

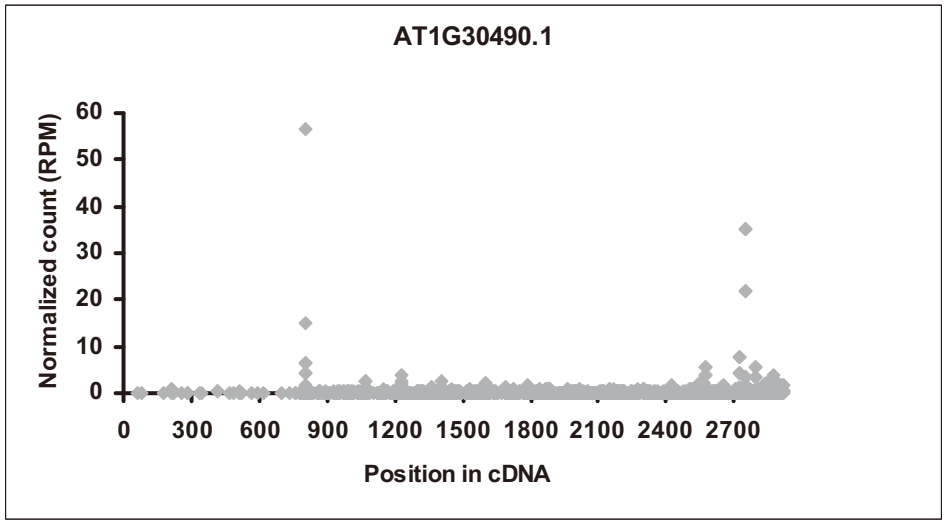

ath-miR159c
ath-miR319c
AxIRP
GSM278335
TWF
Tx4F
Normalized count (RPM)
25
20
15
10
5
0
992
1002
1012
1022
1032
1042
1052
Position in cDNA

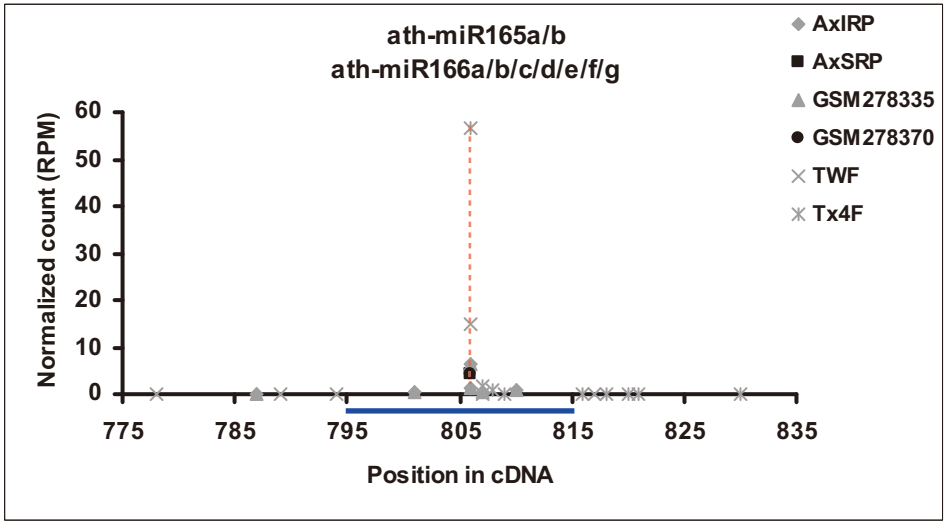

AT1G30330.1
Normalized count (RPM)
3.5
3
2.5
2
1.5
1
0.5
0
0
400
800
1200
1600
2000
2400
2800
3200
3600
Position in cDNA

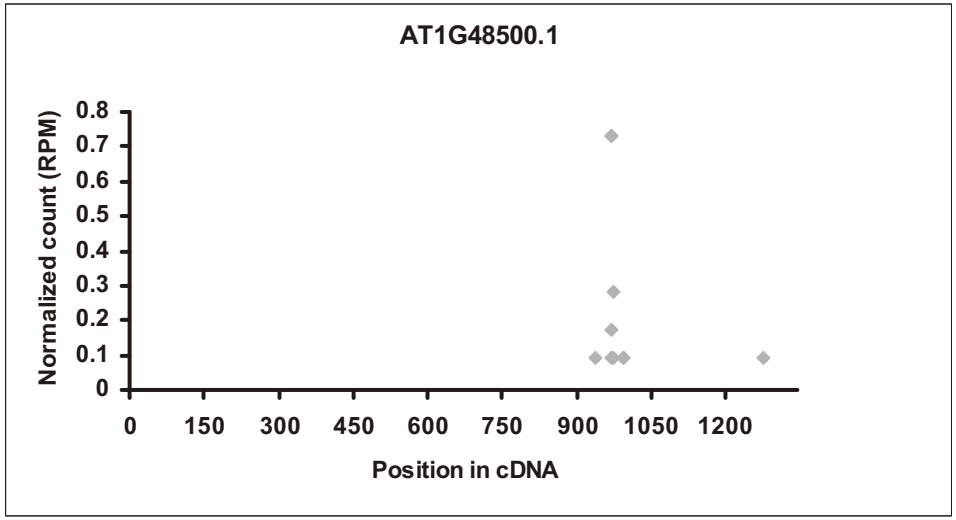

ath-miR167c/d
TWF
Tx4F
Normalized count (RPM)
3.5
3
2.5
2
1.5
1
0.5
0
3295
3305
3315
3325
3335
3345
3355
Position in cDNA

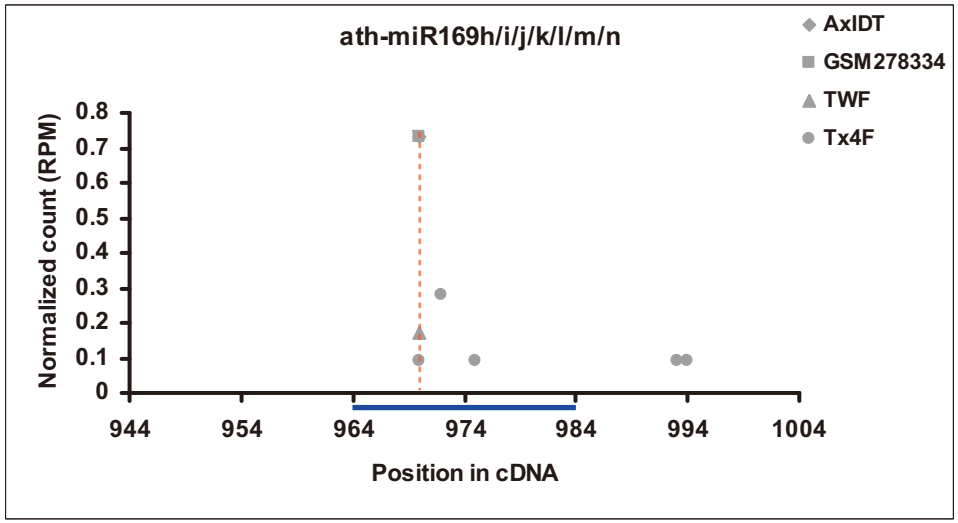

AT1G30330.2
Normalized count (RPM)
3.5
3
2.5
2
1.5
1
0.5
0
0
400
800
1200
1600
2000
2400
2800
3200
3600
Position in cDNA

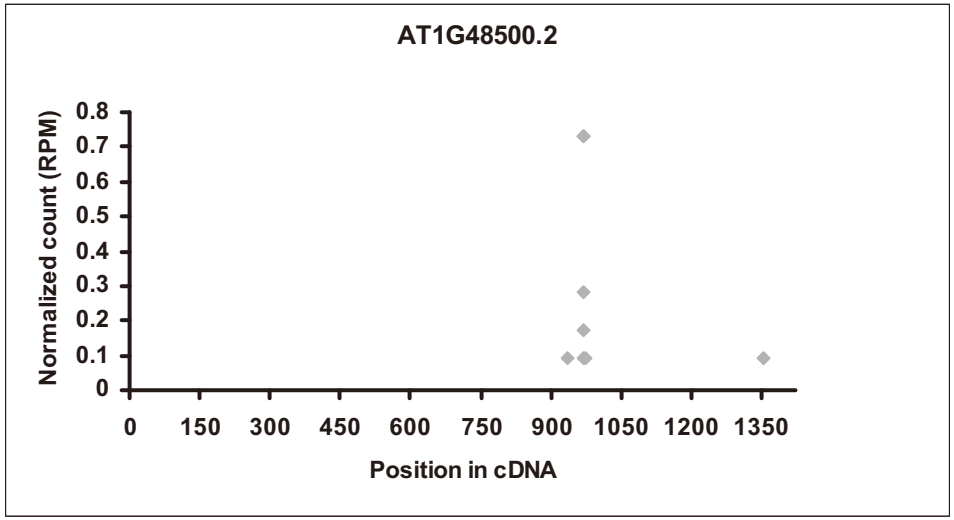

ath-miR167c/d
TWF
Tx4F
Normalized count (RPM)
3.5
3
2.5
2
1.5
1
0.5
0
3215
3225
3235
3245
3255
3265
3275
Position in cDNA

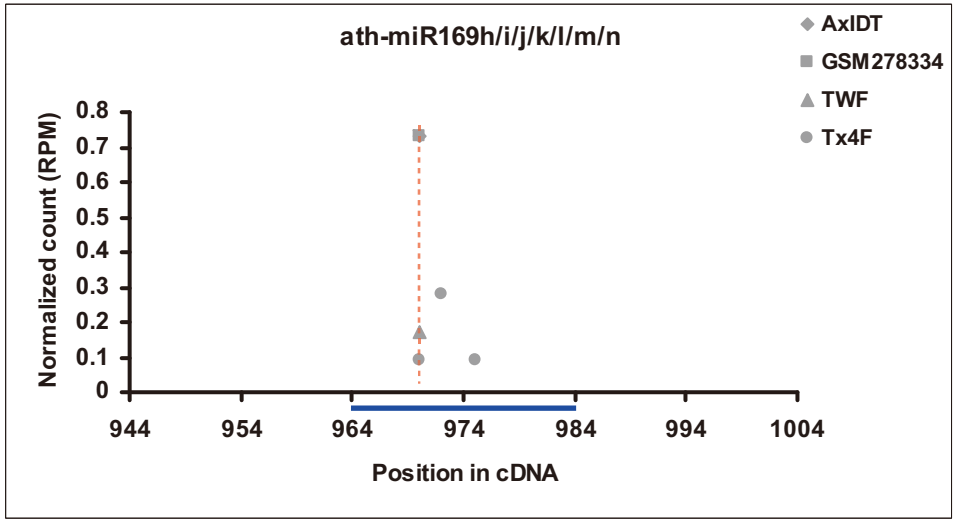

AT1G30490.1
Normalized count (RPM)
60
50
40
30
20
10
0
0
300
600
900
1200
1500
1800
2100
2400
2700
Position in cDNA

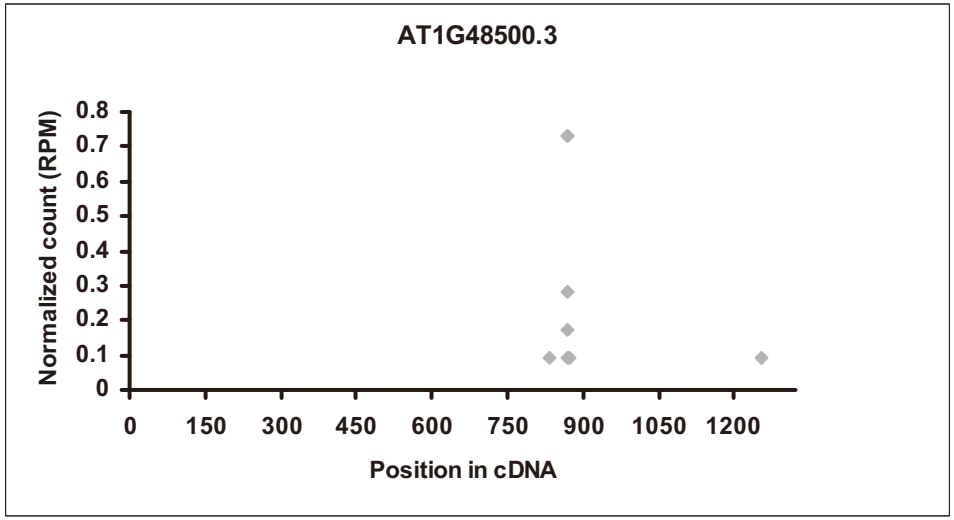

ath-miR165a/b
ath-miR166a/b/c/d/e/f/g
AxIRP
AxSRP
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
60
50
40
30
20
10
0
775
785
795
805
815
825
835
Position in cDNA

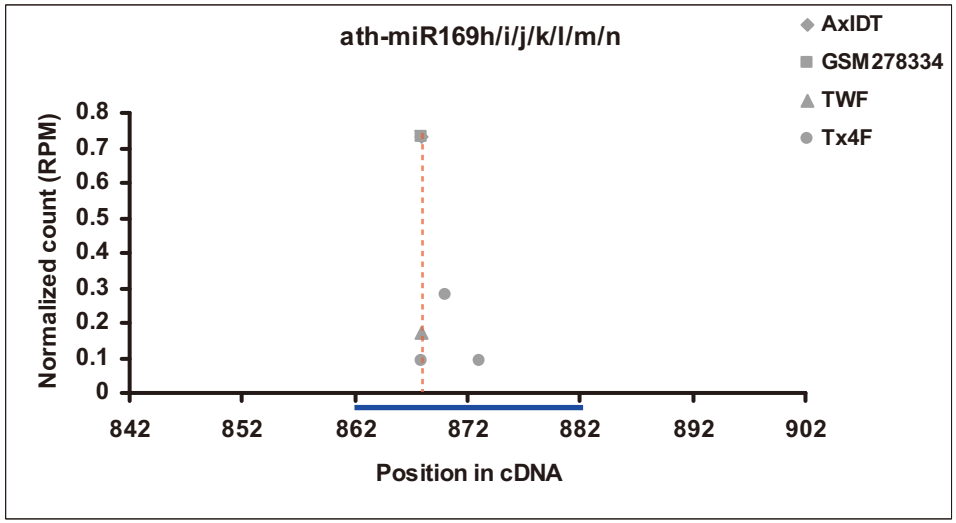

AT1G48500.1
Normalized count (RPM)
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
150
300
450
600
750
900
1050
1200
Position in cDNA

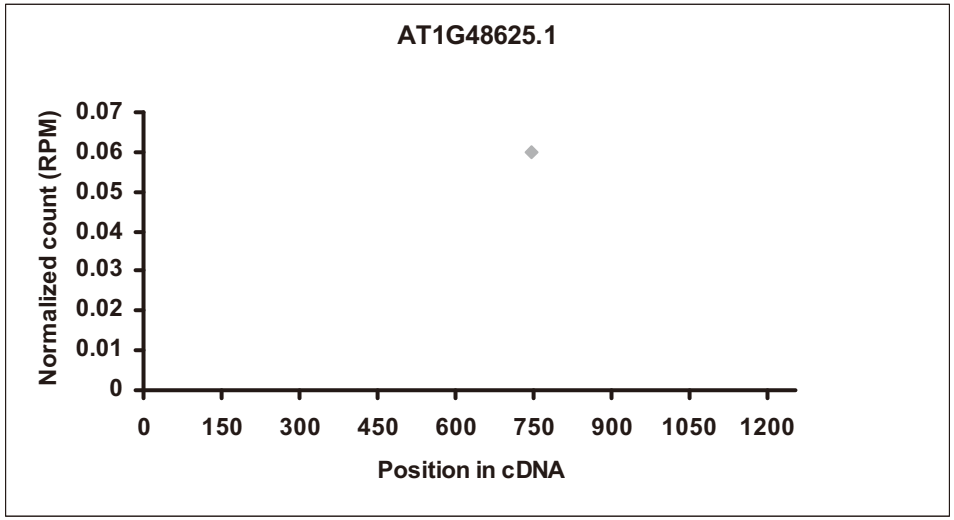

ath-miR169h/i/j/k/l/m/n
AxIDT
GSM278334
TWF
Tx4F
Normalized count (RPM)
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
944
954
964
974
984
994
1004
Position in cDNA

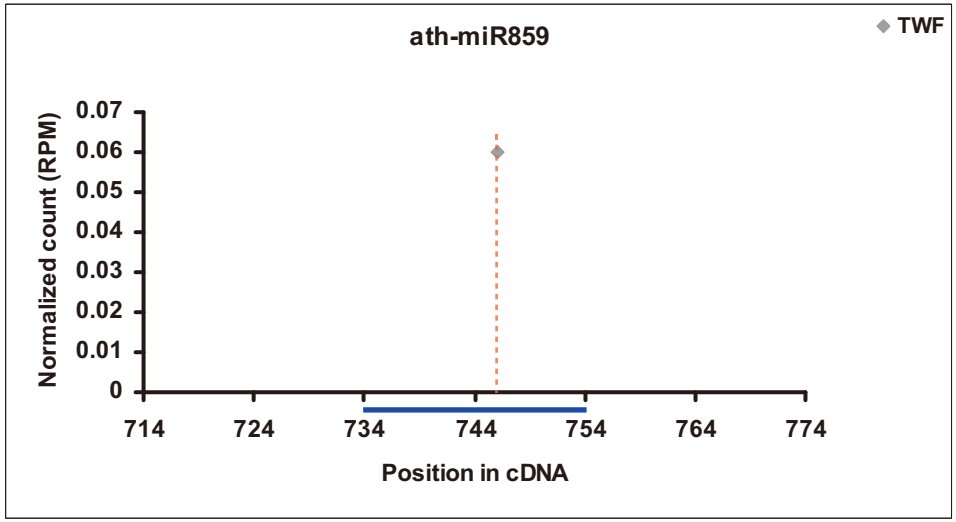

AT1G48500.2
Normalized count (RPM)
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
150
300
450
600
750
900
1050
1200
1350
Position in cDNA

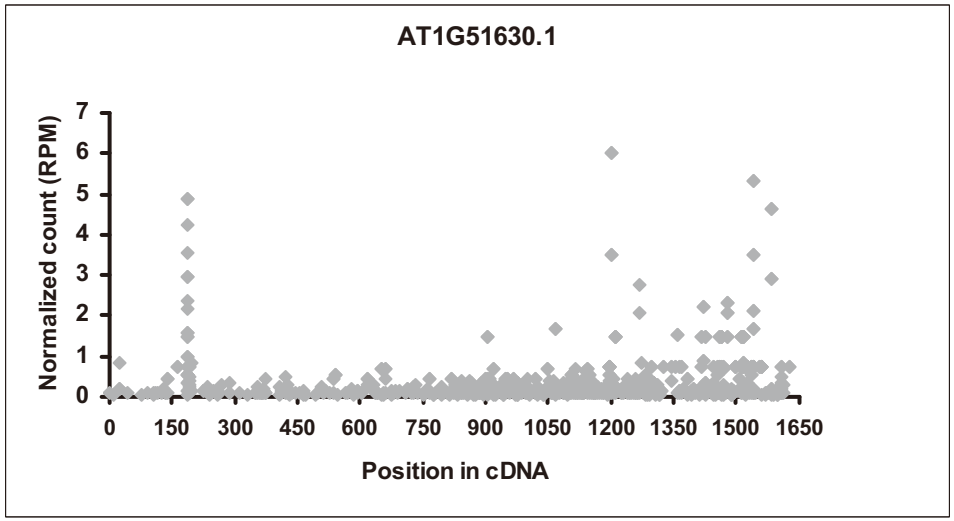

ath-miR169h/i/j/k/l/m/n
AxIDT
GSM278334
TWF
Tx4F
Normalized count (RPM)
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
944
954
964
974
984
994
1004
Position in cDNA

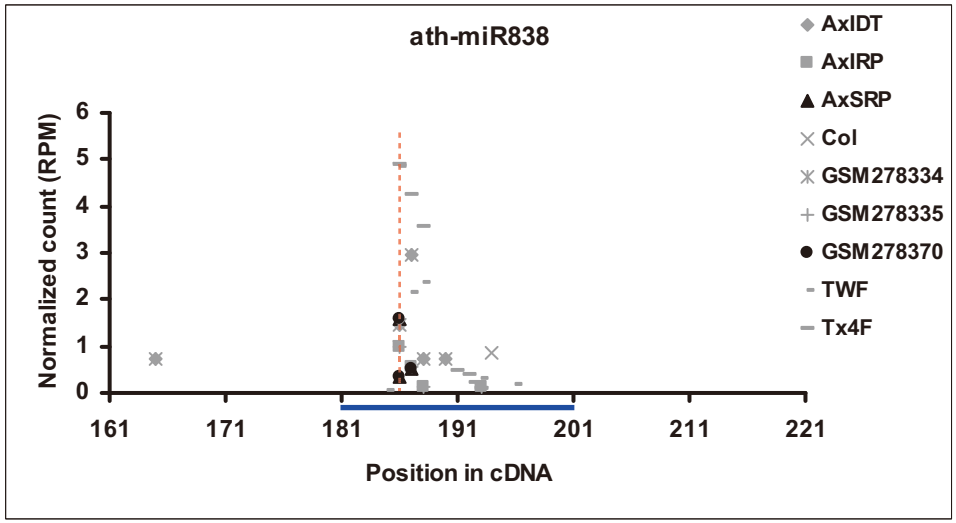

AT1G48500.3
Normalized count (RPM)
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
150
300
450
600
750
900
1050
1200
Position in cDNA

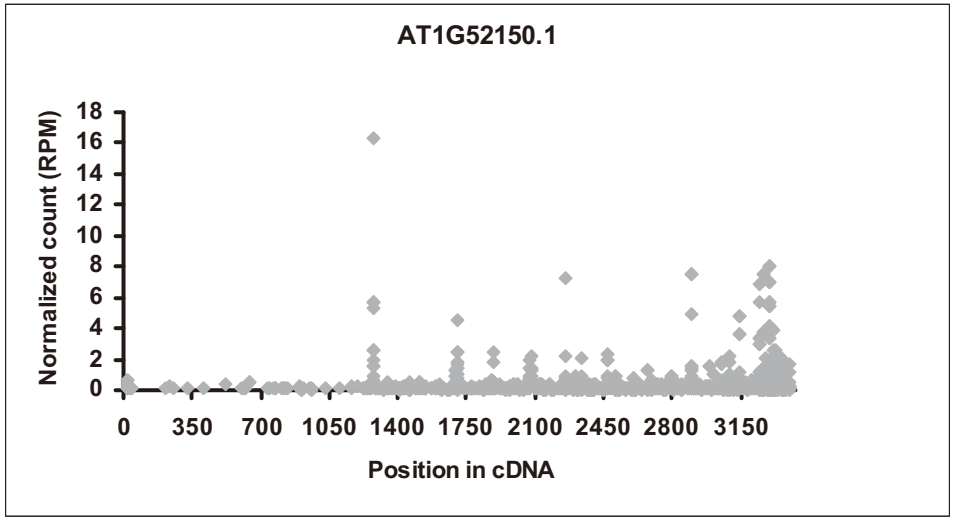

ath-miR169h/i/j/k/l/m/n
AxIDT
GSM278334
TWF
Tx4F
Normalized count (RPM)
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
842
852
862
872
882
892
902
Position in cDNA

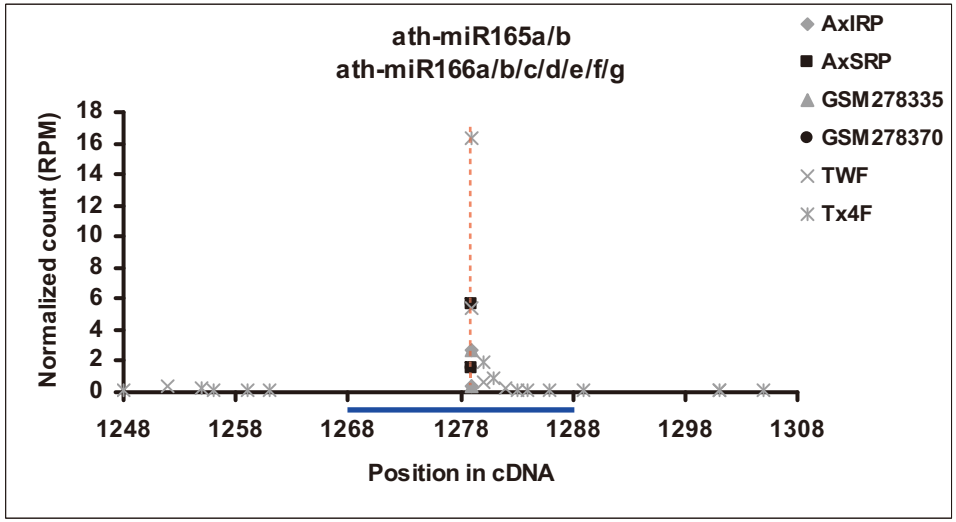

AT1G48625.1
Normalized count (RPM)
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
0
150
300
450
600
750
900
1050
1200
Position in cDNA

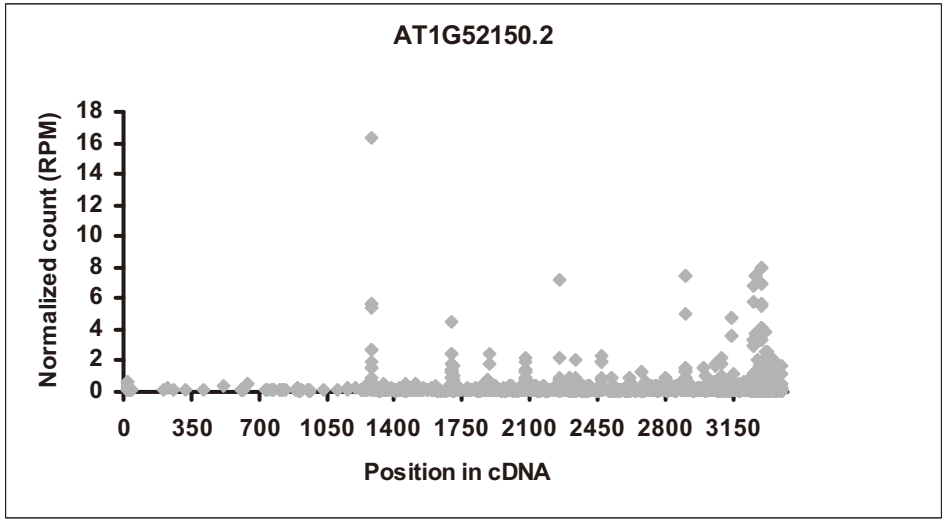

ath-miR859
TWF
Normalized count (RPM)
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
714
724
734
744
754
764
774
Position in cDNA

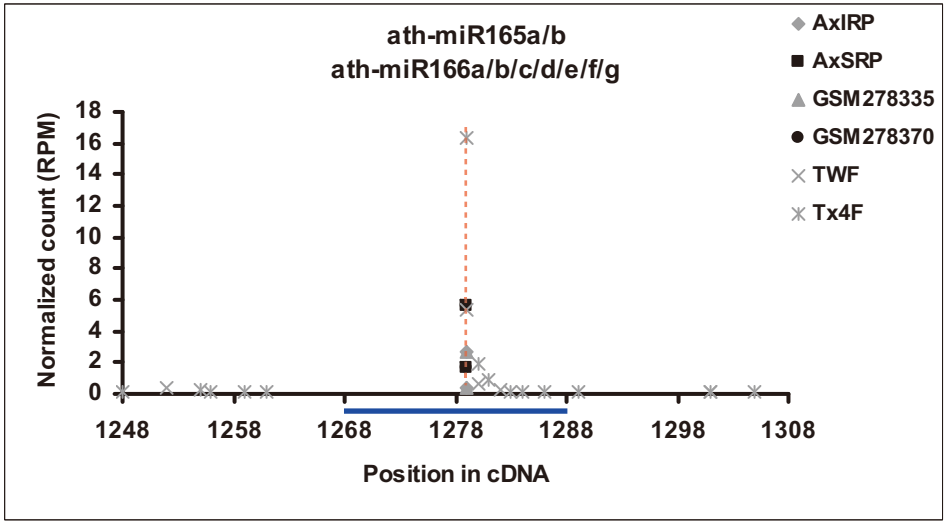

AT1G51630.1
Normalized count (RPM)
7
6
5
4
3
2
1
0
0
150
300
450
600
750
900
1050
1200
1350
1500
1650
Position in cDNA

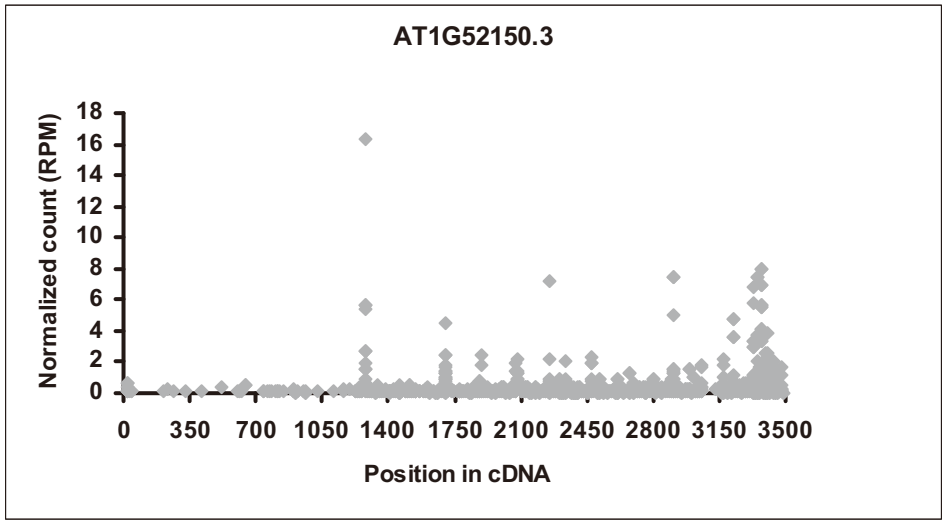

ath-miR838
AxIDT
AxIRP
AxSRP
Col
GSM278334
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
6
5
4
3
2
1
0
161
171
181
191
201
211
221
Position in cDNA

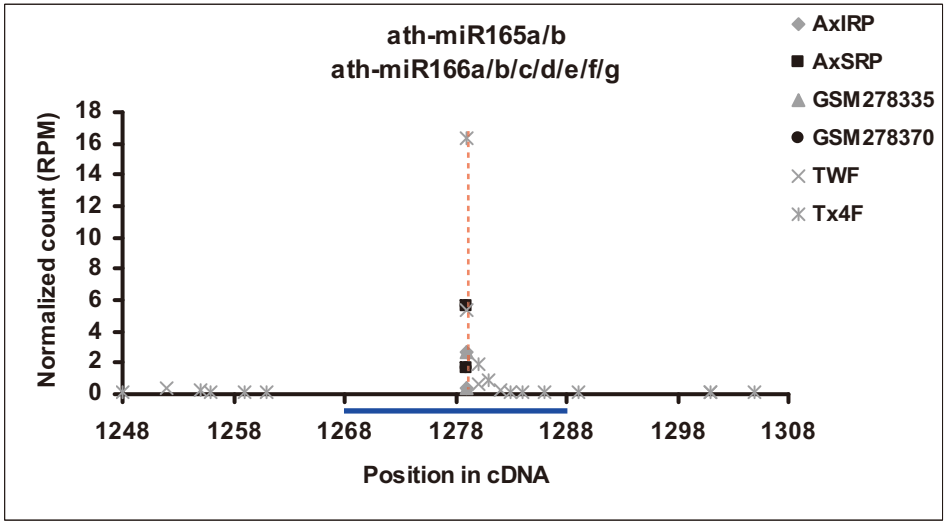

AT1G52150.1
Normalized count (RPM)
18
16
14
12
10
8
6
4
2
0
0
350
700
1050
1400
1750
2100
2450
2800
3150
Position in cDNA

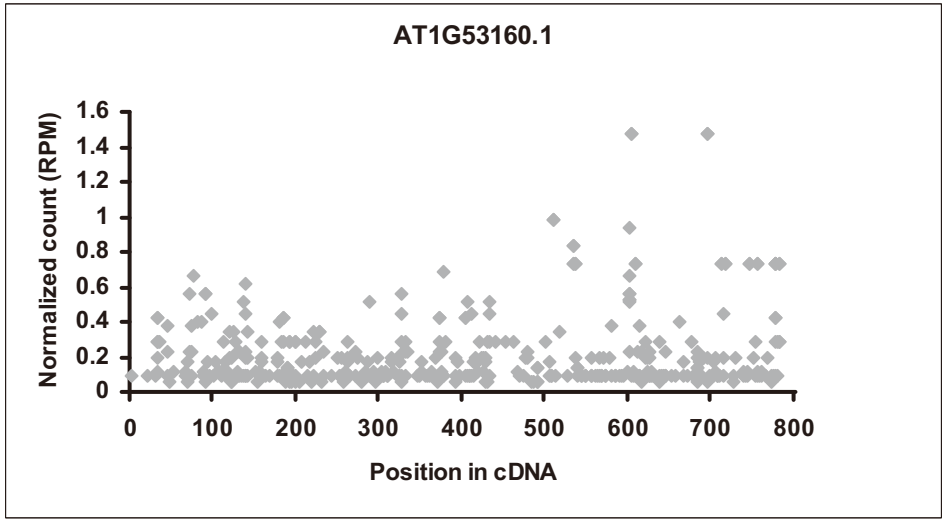

ath-miR165a/b
ath-miR166a/b/c/d/e/f/g
AxIRP
AxSRP
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
18
16
14
12
10
8
6
4
2
0
1248
1258
1268
1278
1288
1298
1308
Position in cDNA

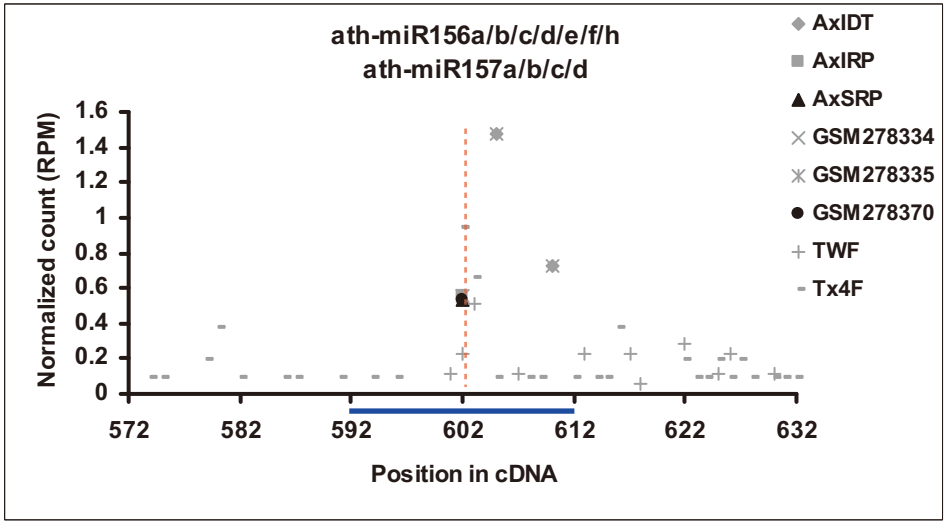

AT1G52150.2
Normalized count (RPM)
18
16
14
12
10
8
6
4
2
0
0
350
700
1050
1400
1750
2100
2450
2800
3150
Position in cDNA

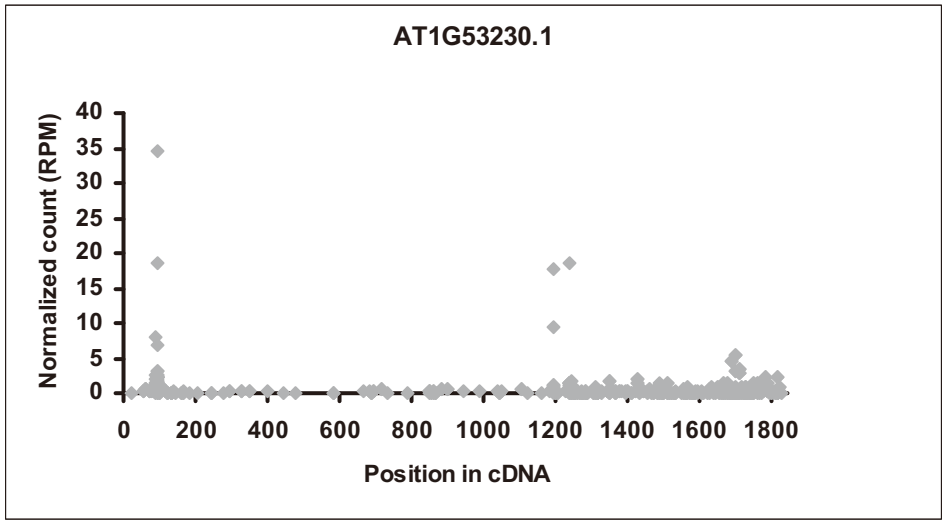

ath-miR165a/b
ath-miR166a/b/c/d/e/f/g
AxIRP
AxSRP
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
18
16
14
12
10
8
6
4
2
0
1248
1258
1268
1278
1288
1298
1308
Position in cDNA

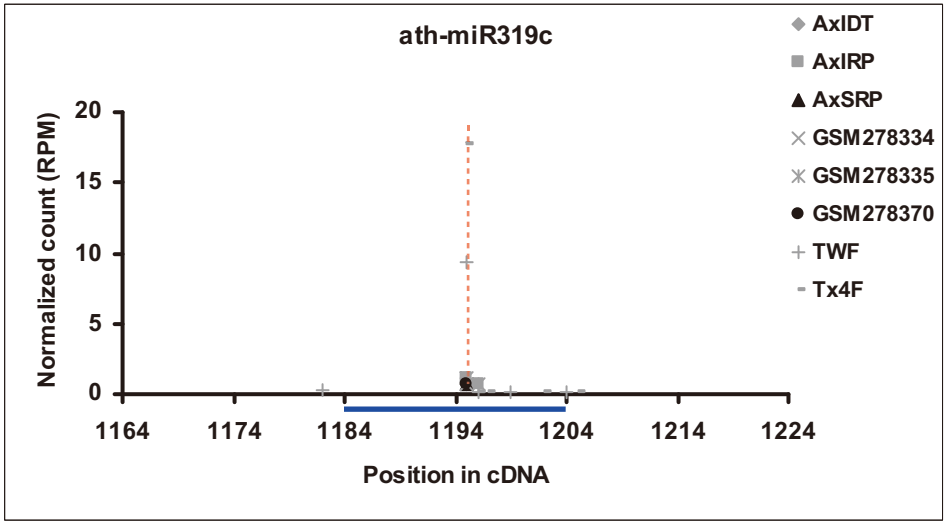

AT1G52150.3
Normalized count (RPM)
18
16
14
12
10
8
6
4
2
0
0
350
700
1050
1400
1750
2100
2450
2800
3150
3500
Position in cDNA

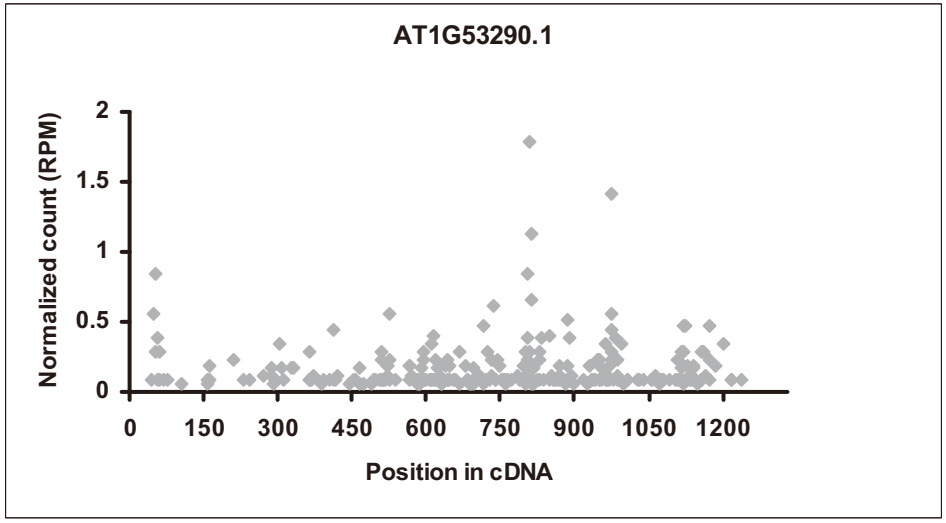

ath-miR165a/b
ath-miR166a/b/c/d/e/f/g
AxIRP
AxSRP
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
18
16
14
12
10
8
6
4
2
0
1248
1258
1268
1278
1288
1298
1308
Position in cDNA

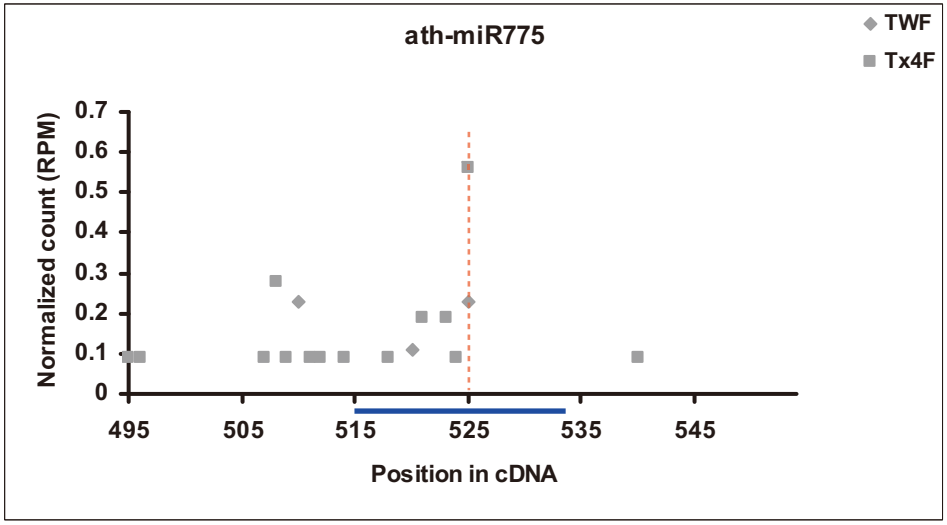

AT1G53160.1
Normalized count (RPM)
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
100
200
300
400
500
600
700
800
Position in cDNA

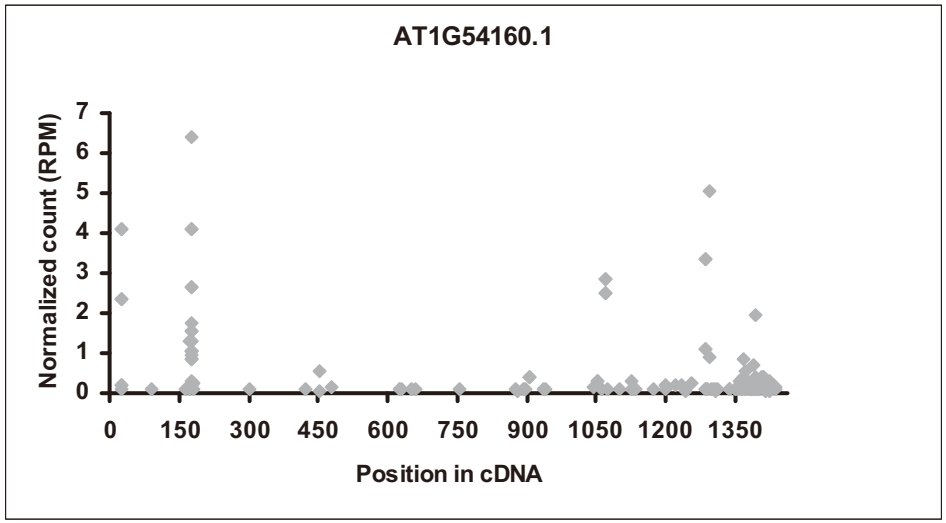

ath-miR156a/b/c/d/e/f/h
ath-miR157a/b/c/d
AxIDT
AxIRP
AxSRP
GSM278334
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
572
582
592
602
612
622
632
Position in cDNA

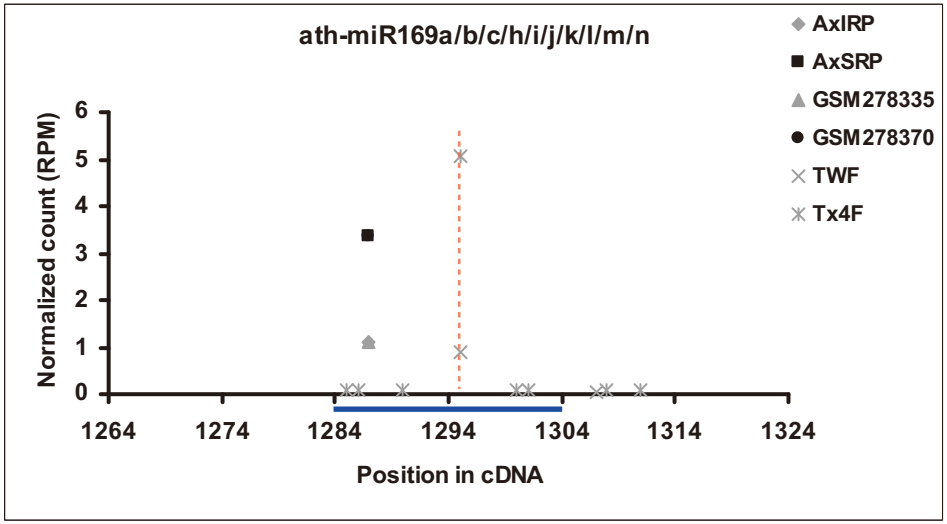

AT1G53230.1
Normalized count (RPM)
40
35
30
25
20
15
10
5
0
0
200
400
600
800
1000
1200
1400
1600
1800
Position in cDNA

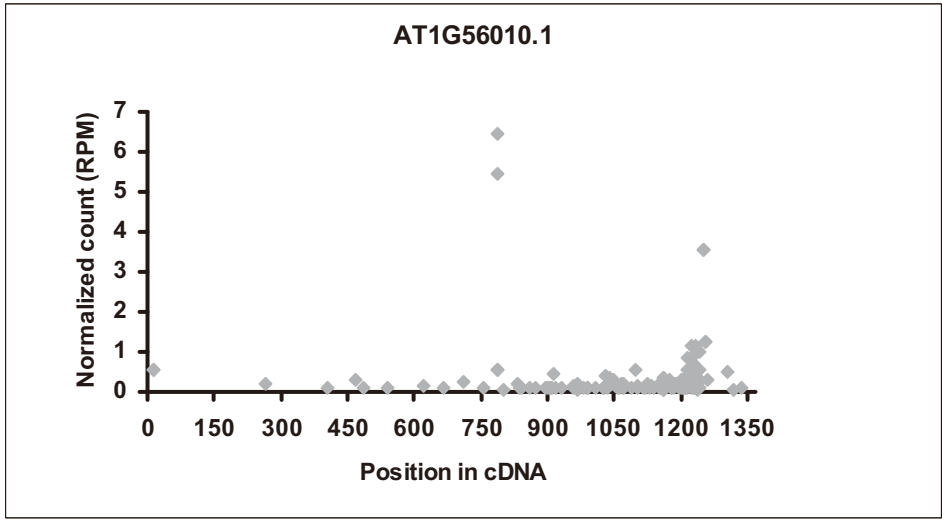

ath-miR319c
AxIDT
AxIRP
AxSRP
GSM278334
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
20
15
10
5
0
1164
1174
1184
1194
1204
1214
1224
Position in cDNA

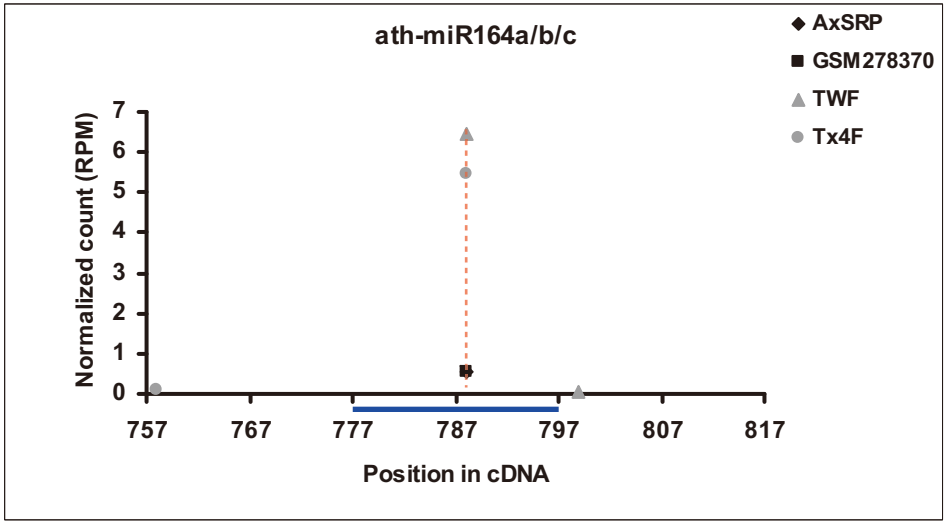

AT1G53290.1
Normalized count (RPM)
2
1.5
1
0.5
0
0
150
300
450
600
750
900
1050
1200
Position in cDNA

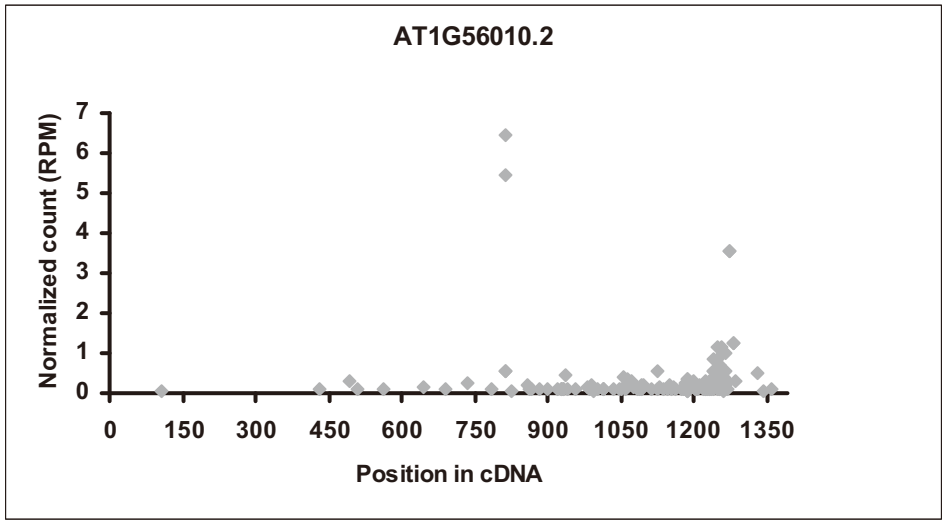

ath-miR775
TWF
Tx4F
Normalized count (RPM)
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
495
505
515
525
535
545
Position in cDNA

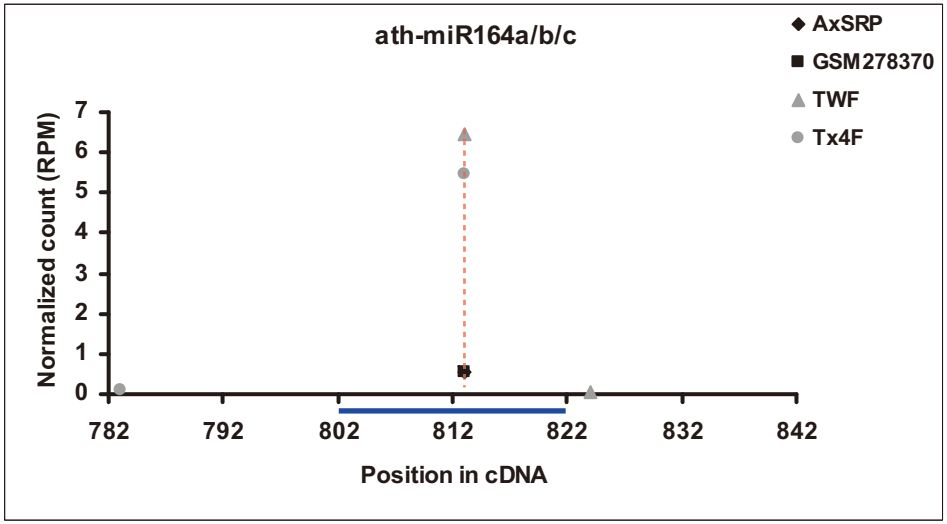

AT1G54160.1
Normalized count (RPM)
0
1
2
3
4
5
6
7
0
150
300
450
600
750
900
1050
1200
1350
Position in cDNA

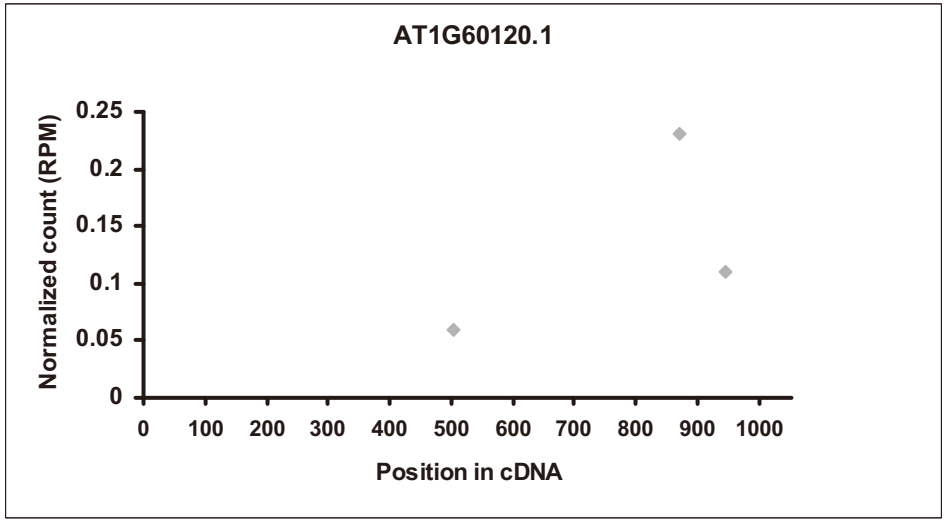

ath-miR169a/b/c/h/i/j/k/l/m/n
AxIRP
AxSRP
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
0
1
2
3
4
5
6
1264
1274
1284
1294
1304
1314
1324
Position in cDNA

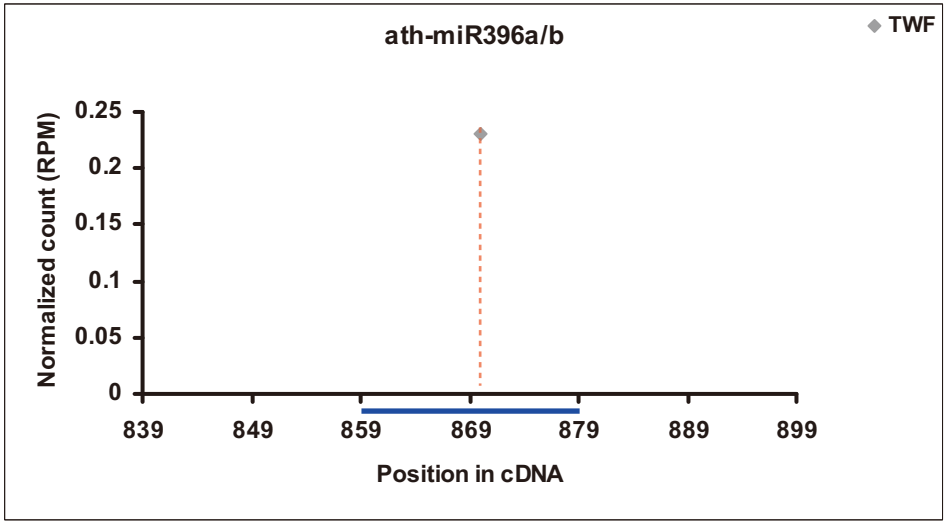

AT1G56010.1
Normalized count (RPM)
0
1
2
3
4
5
6
7
0
150
300
450
600
750
900
1050
1200
1350
Position in cDNA

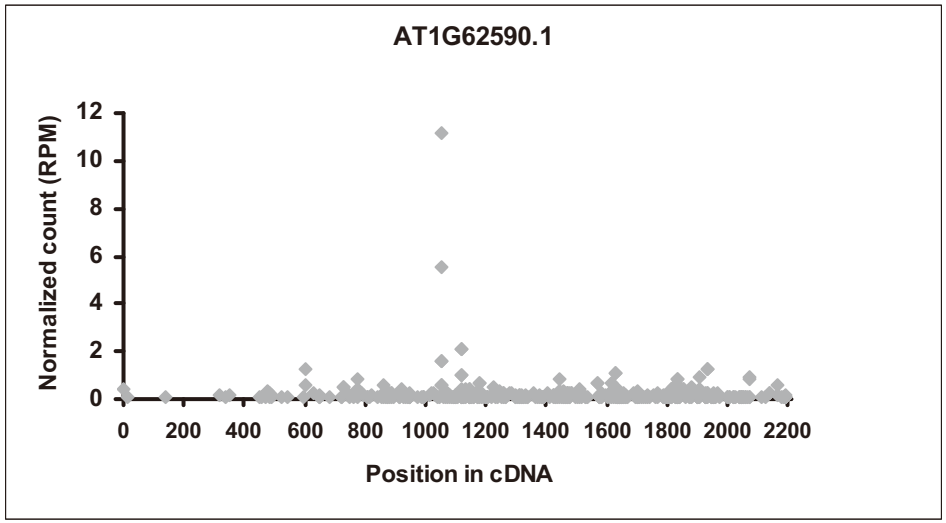

ath-miR164a/b/c
AxSRP
GSM278370
TWF
Tx4F
Normalized count (RPM)
0
1
2
3
4
5
6
7
757
767
777
787
797
807
817
Position in cDNA

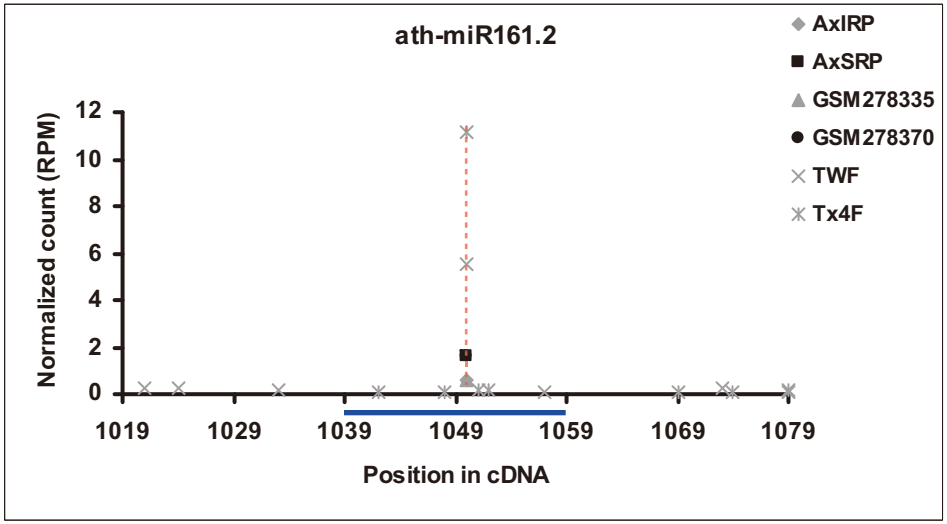

AT1G56010.2
Normalized count (RPM)
0
1
2
3
4
5
6
7
0
150
300
450
600
750
900
1050
1200
1350
Position in cDNA

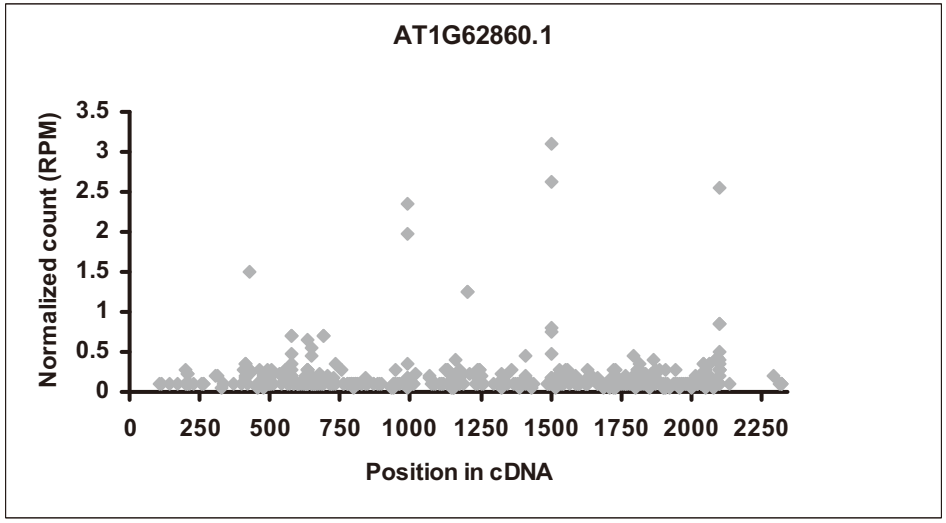

ath-miR164a/b/c
AxSRP
GSM278370
TWF
Tx4F
Normalized count (RPM)
0
1
2
3
4
5
6
7
782
792
802
812
822
832
842
Position in cDNA

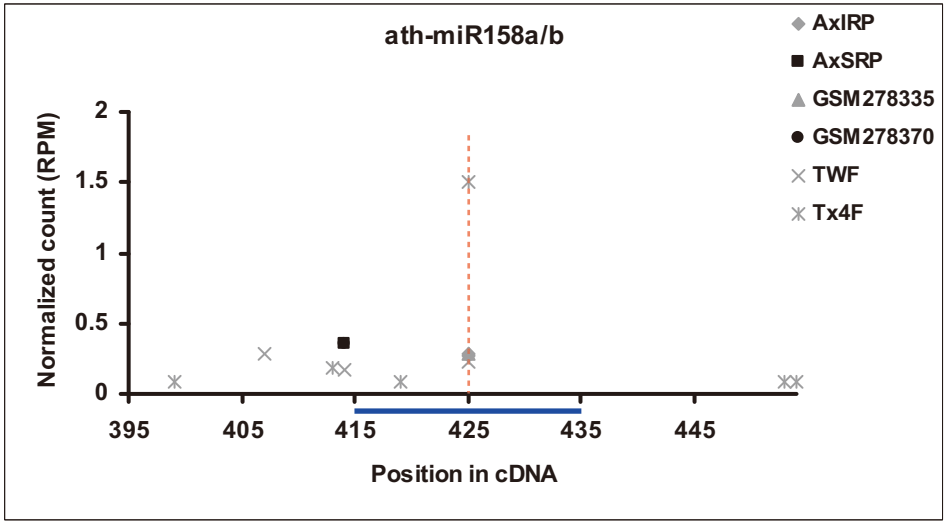

AT1G60120.1
Normalized count (RPM)
0
0.05
0.1
0.15
0.2
0.25
0
100
200
300
400
500
600
700
800
900
1000
Position in cDNA

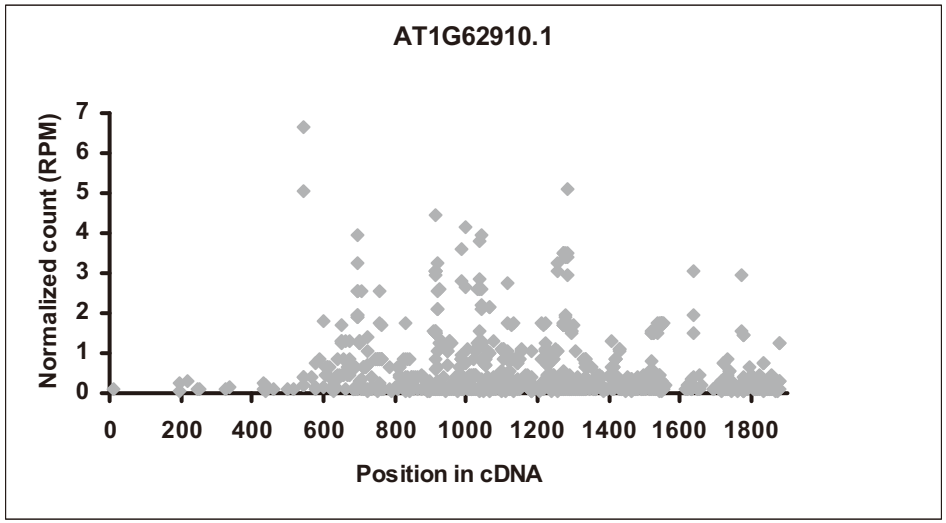

ath-miR396a/b
TWF
Normalized count (RPM)
0
0.05
0.1
0.15
0.2
0.25
839
849
859
869
879
889
899
Position in cDNA

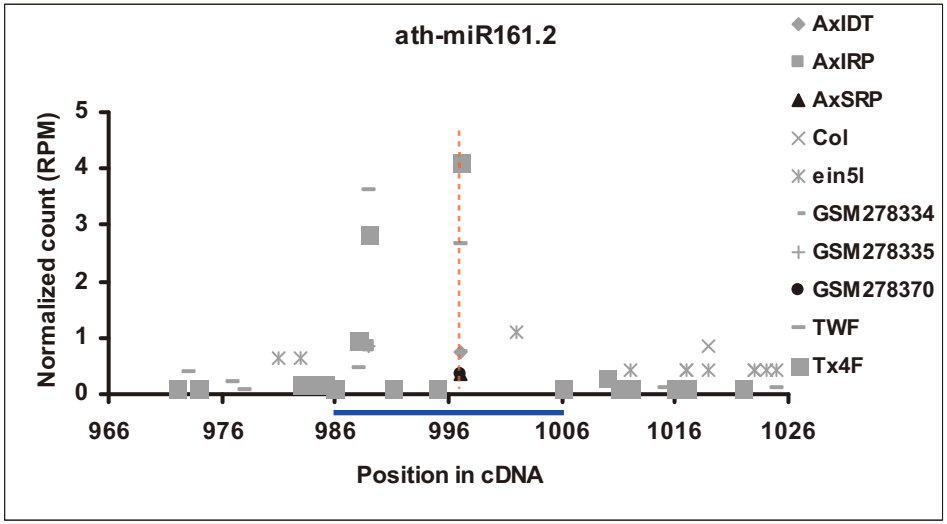

AT1G62590.1
Normalized count (RPM)
0
2
4
6
8
10
12
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
Position in cDNA

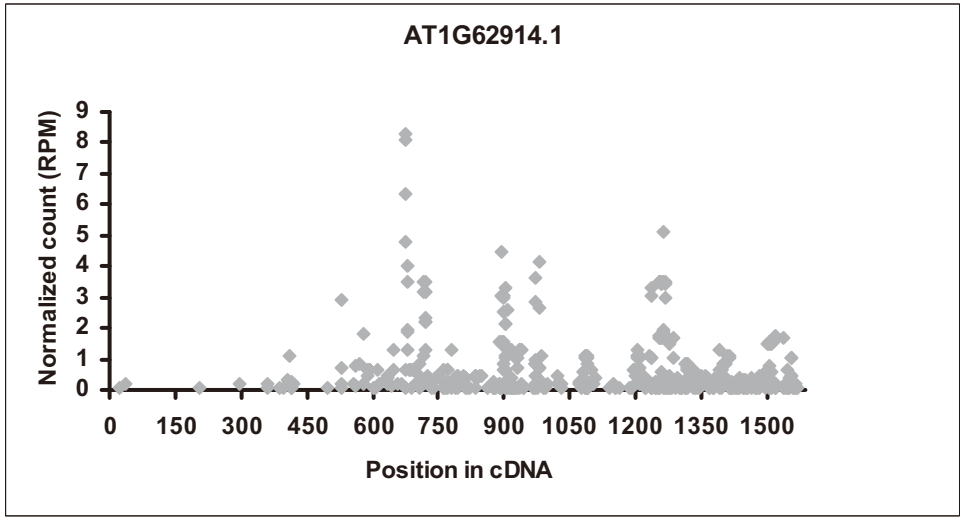

ath-miR161.2
AxIRP
AxSRP
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
0
2
4
6
8
10
12
1019
1029
1039
1049
1059
1069
1079
Position in cDNA

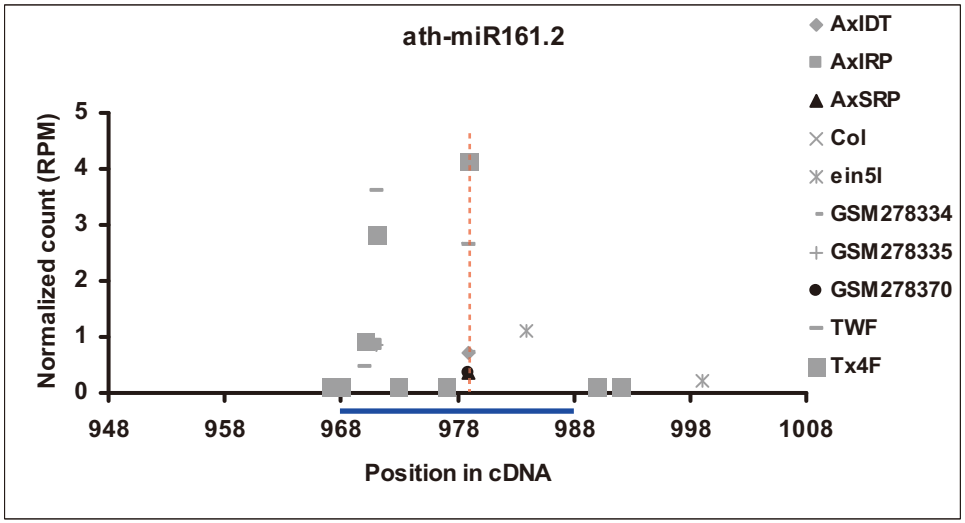

AT1G62860.1
Normalized count (RPM)
0
0.5
1
1.5
2
2.5
3
3.5
0
250
500
750
1000
1250
1500
1750
2000
2250
Position in cDNA

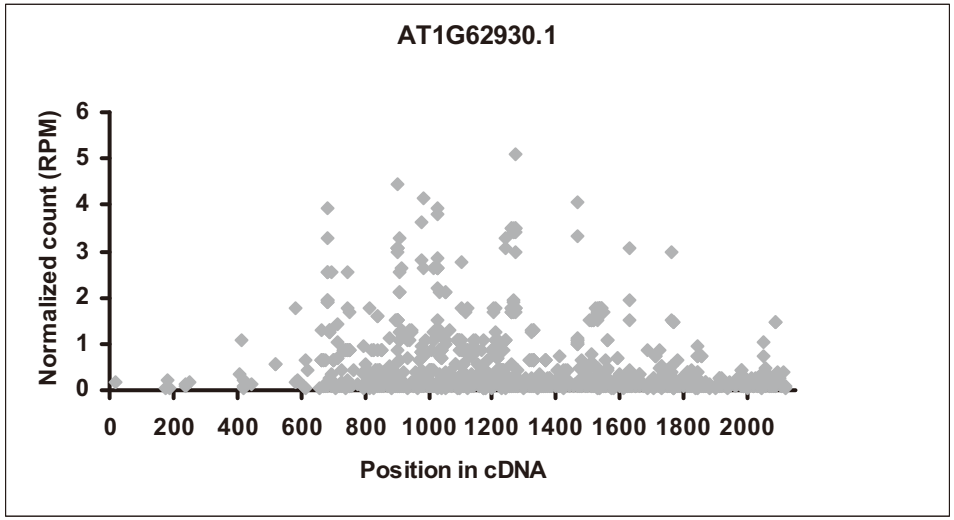

ath-miR158a/b
AxIRP
AxSRP
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
0
0.5
1
1.5
2
395
405
415
425
435
445
Position in cDNA


AT1G62910.1
Normalized count (RPM)
0
1
2
3
4
5
6
7
0
200
400
600
800
1000
1200
1400
1600
1800
Position in cDNA


ath-miR161.2
AxIDT
AxIRP
AxSRP
Col
ein5l
GSM278334
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
0
1
2
3
4
5
966
976
986
996
1006
1016
1026
Position in cDNA


AT1G62914.1
Normalized count (RPM)
0
1
2
3
4
5
6
7
8
9
0
150
300
450
600
750
900
1050
1200
1350
1500
Position in cDNA


ath-miR161.2
AxIDT
AxIRP
AxSRP
Col
ein5l
GSM278334
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
0
1
2
3
4
5
948
958
968
978
988
998
1008
Position in cDNA


AT1G62930.1
Normalized count (RPM)
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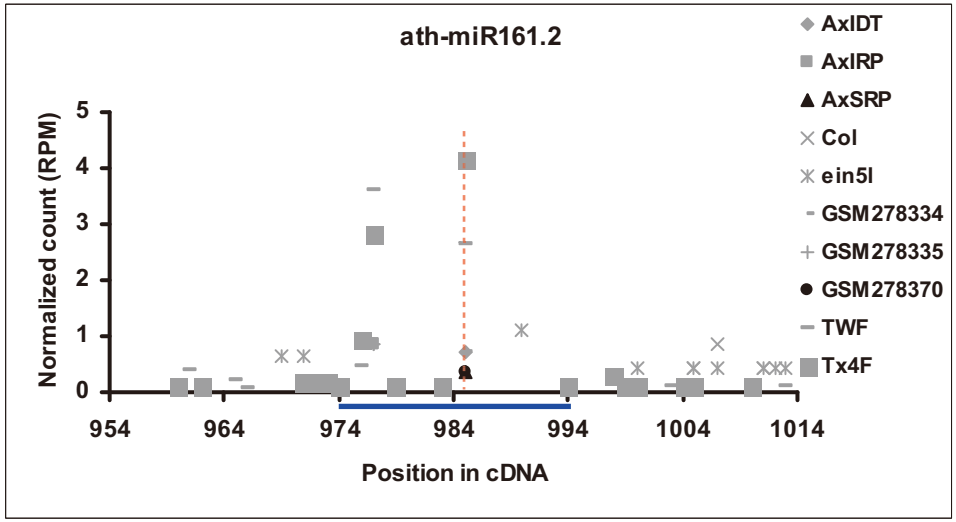
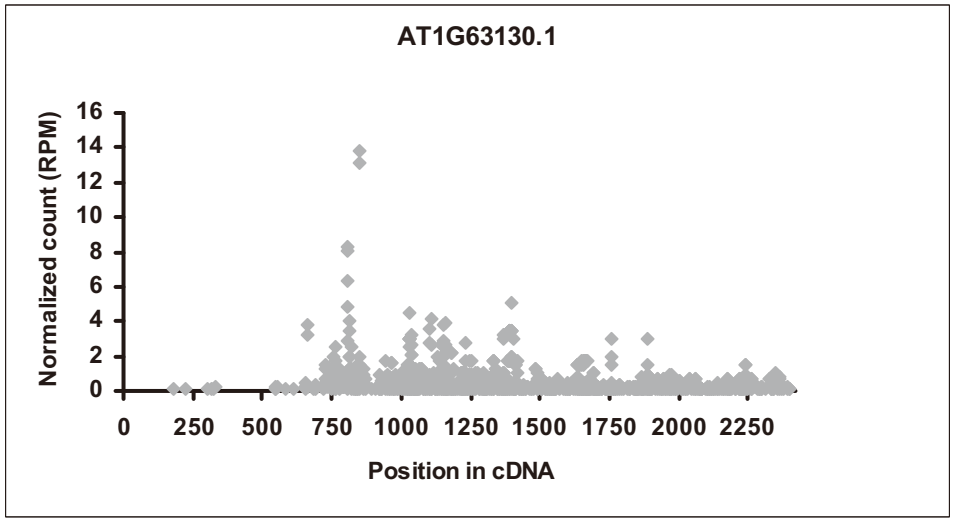
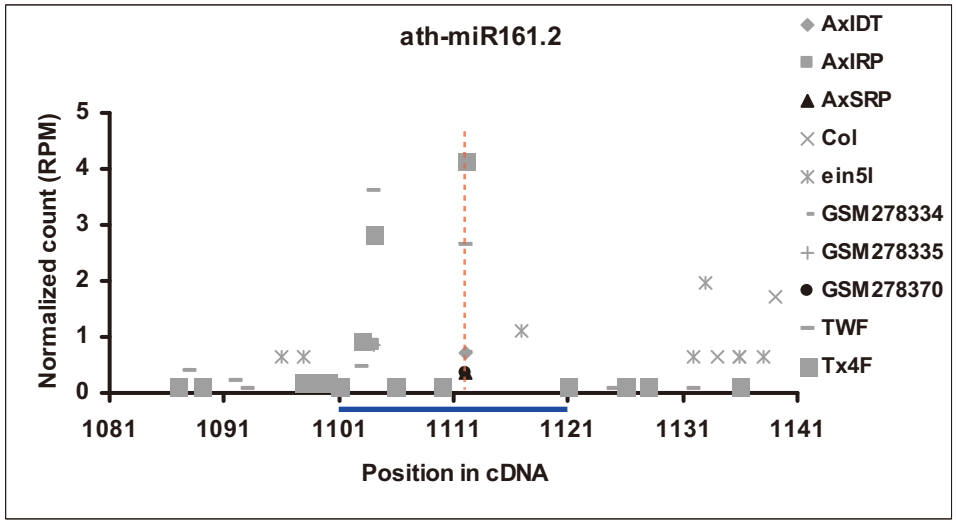
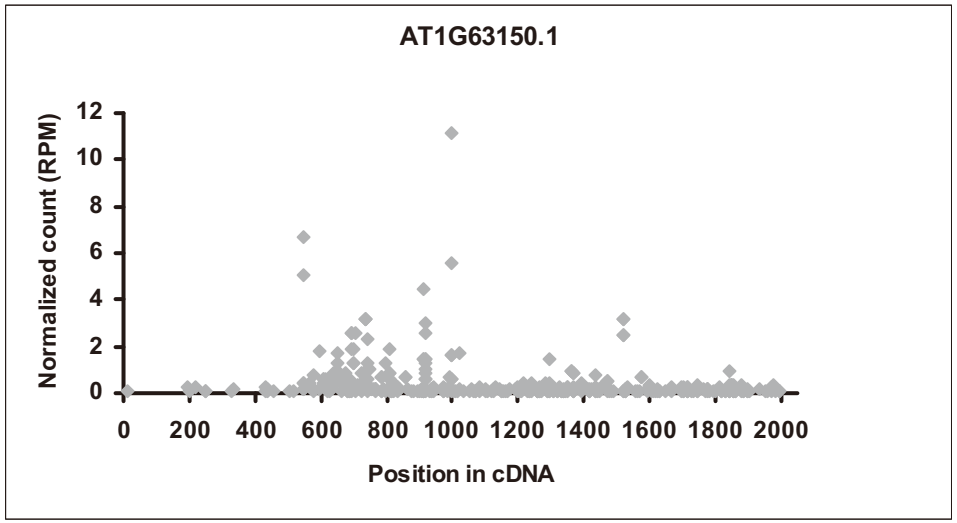
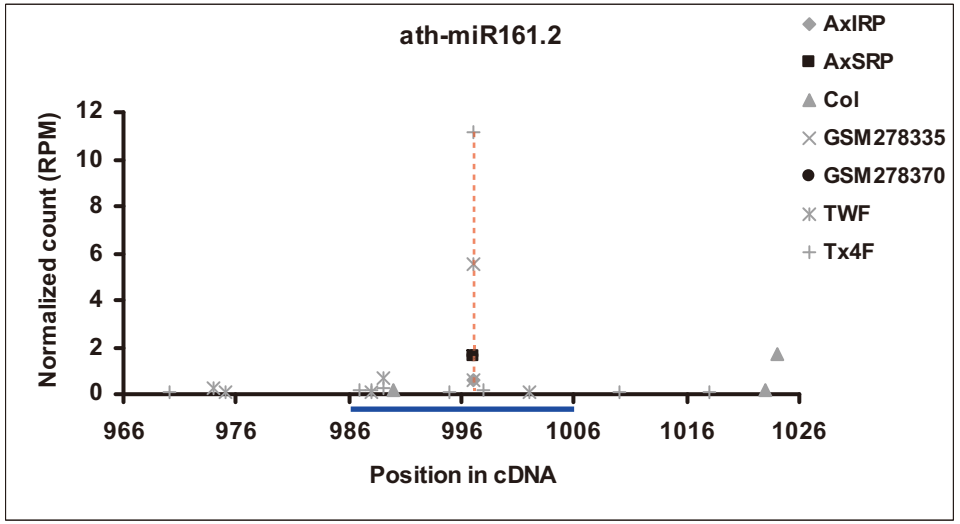
1
2
3
4
5
6
0
200
400
600
800
1000
1200
1400
1600
1800
2000
Position in cDNA

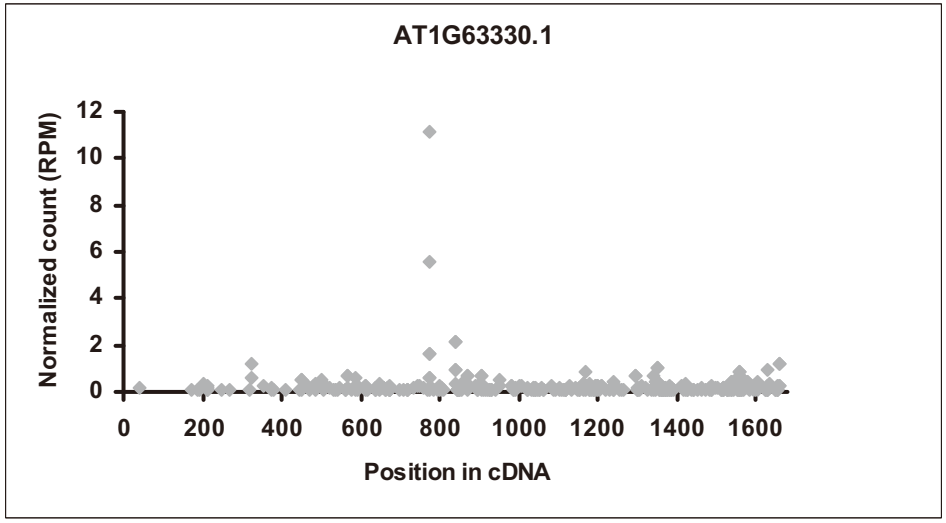

ath-miR161.2
Normalized count (RPM)
0
1
2
3
4
5
954
964
974
984
994
1004
1014
Position in cDNA
AxIDT
AxIRP
AxSRP
Col
ein5l
GSM278334
GSM278335
GSM278370
TWF
Tx4F


AT1G63130.1
Normalized count (RPM)
0
2
4
6
8
10
12
14
16
0
250
500
750
1000
1250
1500
1750
2000
2250
Position in cDNA


ath-miR161.2
Normalized count (RPM)
0
1
2
3
4
5
1081
1091
1101
1111
1121
1131
1141
Position in cDNA
AxIDT
AxIRP
AxSRP
Col
ein5l
GSM278334
GSM278335
GSM278370
TWF
Tx4F


AT1G63150.1
Normalized count (RPM)
0
2
4
6
8
10
12
0
200
400
600
800
1000
1200
1400
1600
1800
2000
Position in cDNA


ath-miR161.2
AxIRP
AxSRP
Col
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
0
2
4
6
8
10
12
966
976
986
996
1006
1016
1026
Position in cDNA


AT1G63330.1
Normalized count (RPM)
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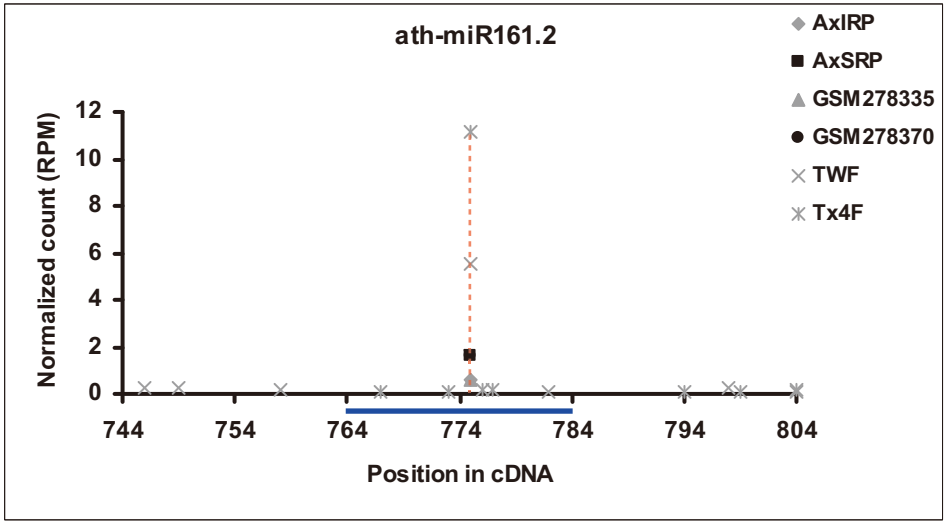
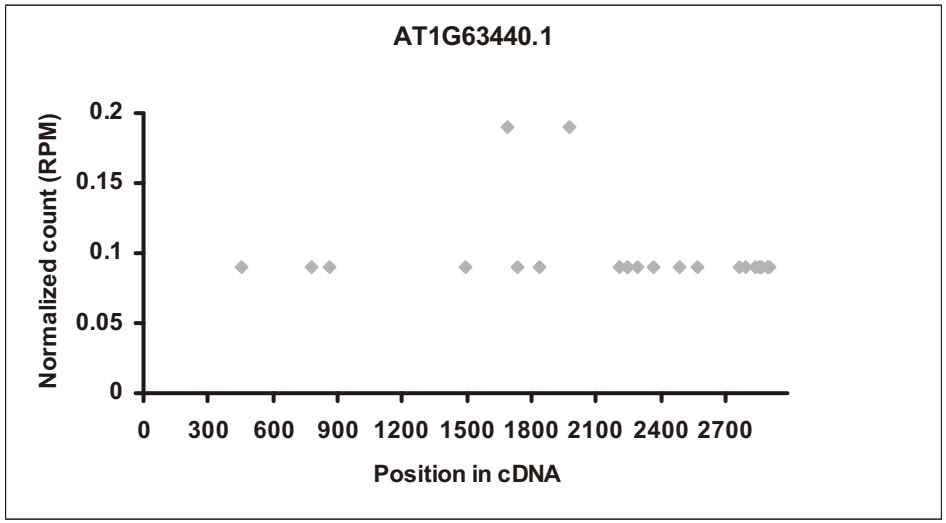
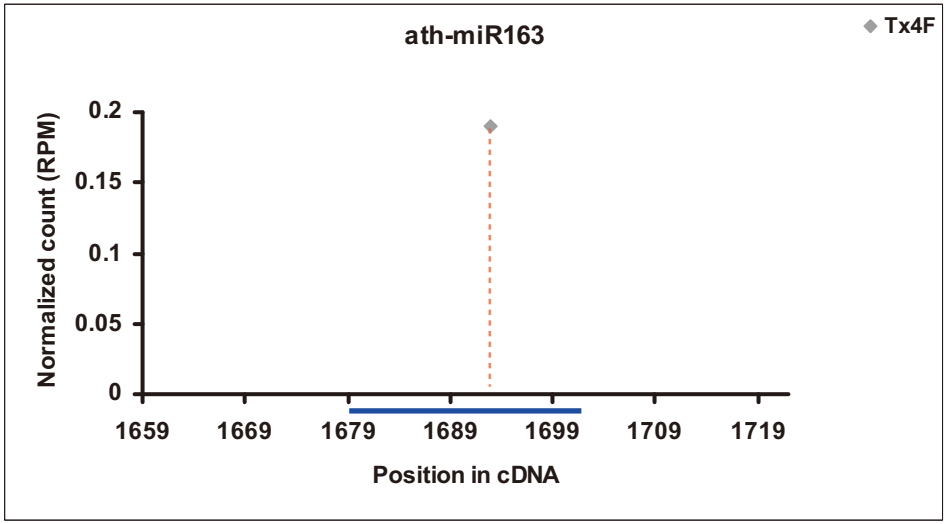
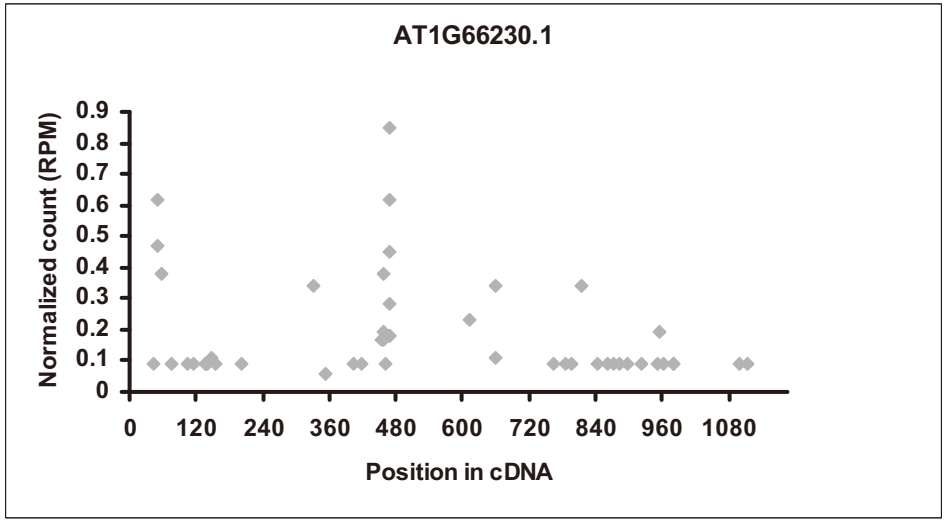
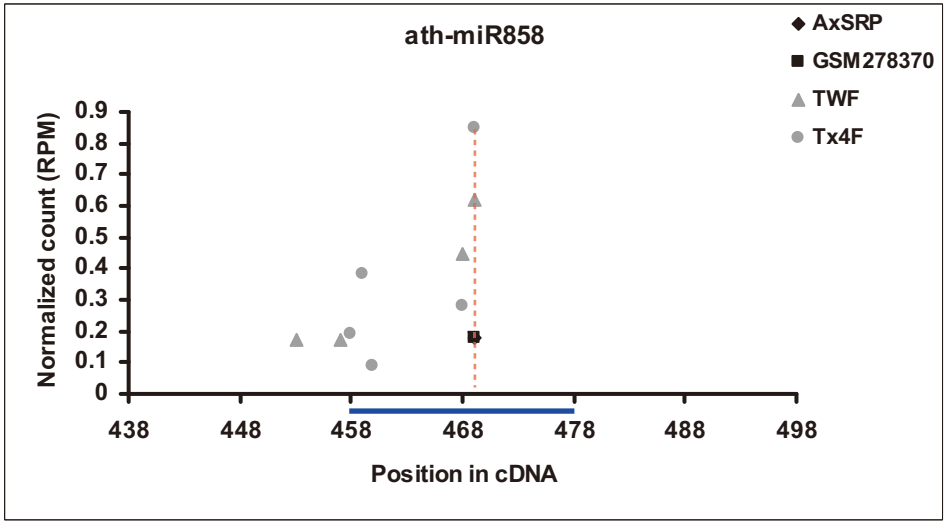
2
4
6
8
10
12
0
200
400
600
800
1000
1200
1400
1600
Position in cDNA

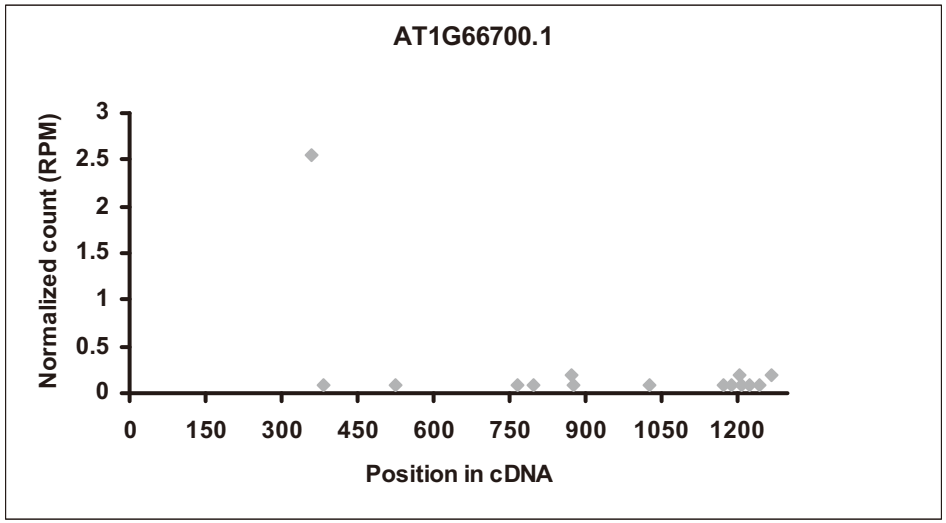

ath-miR161.2
AxIRP
AxSRP
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
0
2
4
6
8
10
12
744
754
764
774
784
794
804
Position in cDNA

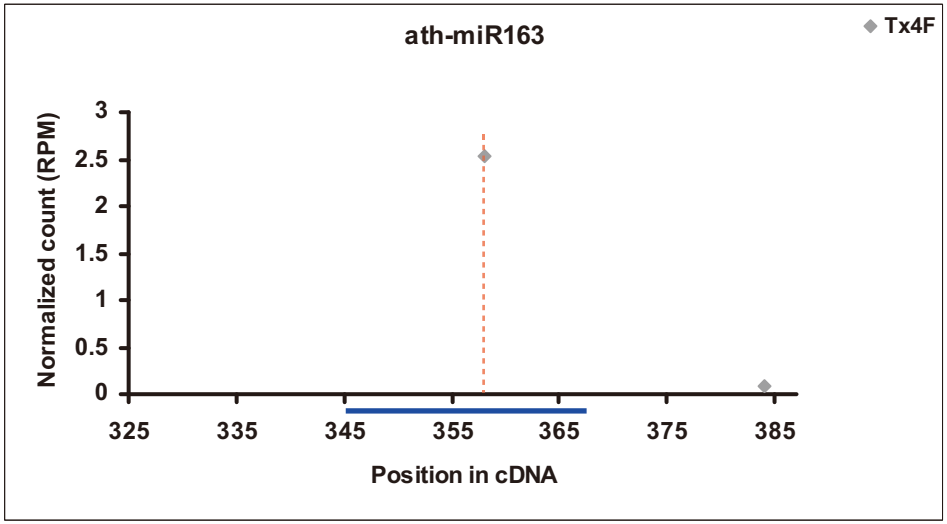

AT1G63440.1
Normalized count (RPM)
0.2
0.15
0.1
0.05
0
0 300 600 900 1200 1500 1800 2100 2400 2700
Position in cDNA

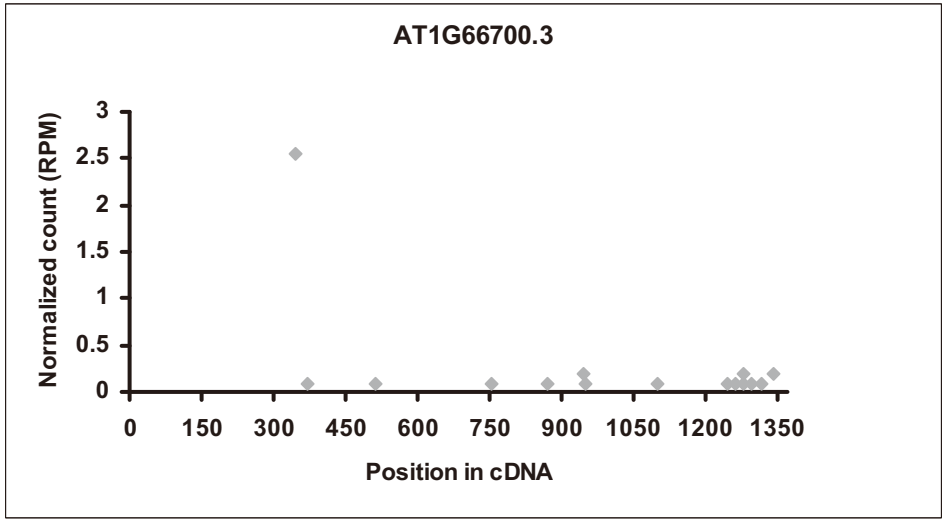

ath-miR163
Tx4F
Normalized count (RPM)
0.2
0.15
0.1
0.05
0
1659 1669 1679 1689 1699 1709 1719
Position in cDNA

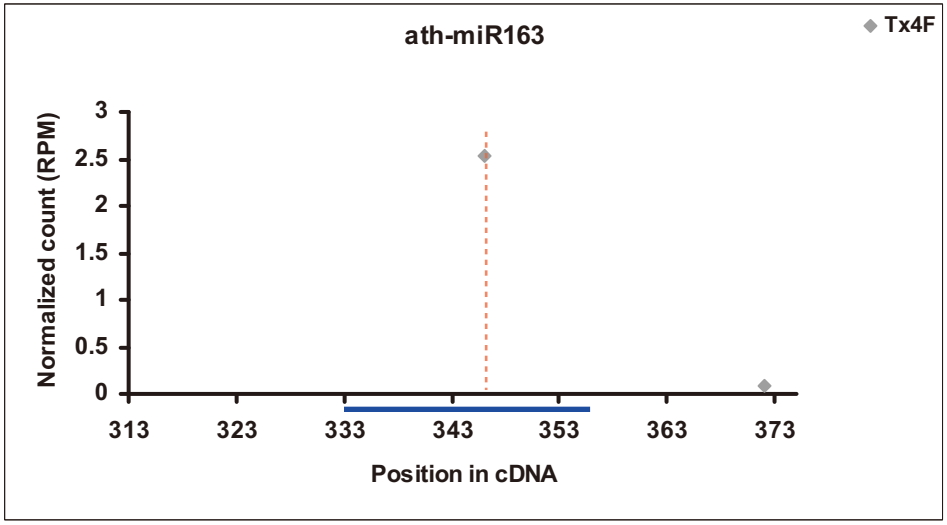

AT1G66230.1
Normalized count (RPM)
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 120 240 360 480 600 720 840 960 1080
Position in cDNA

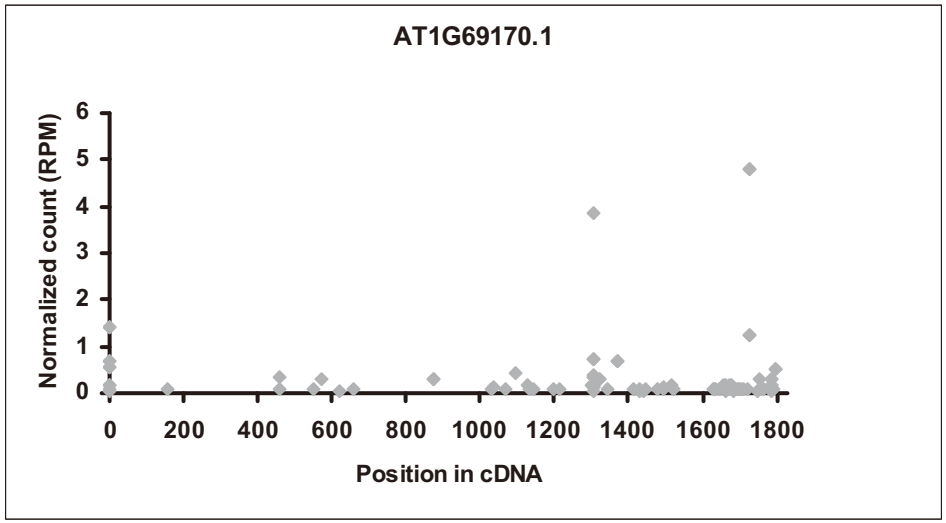

ath-miR858
AxSRP
GSM278370
TWF
Tx4F
Normalized count (RPM)
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
438 448 458 468 478 488 498
Position in cDNA

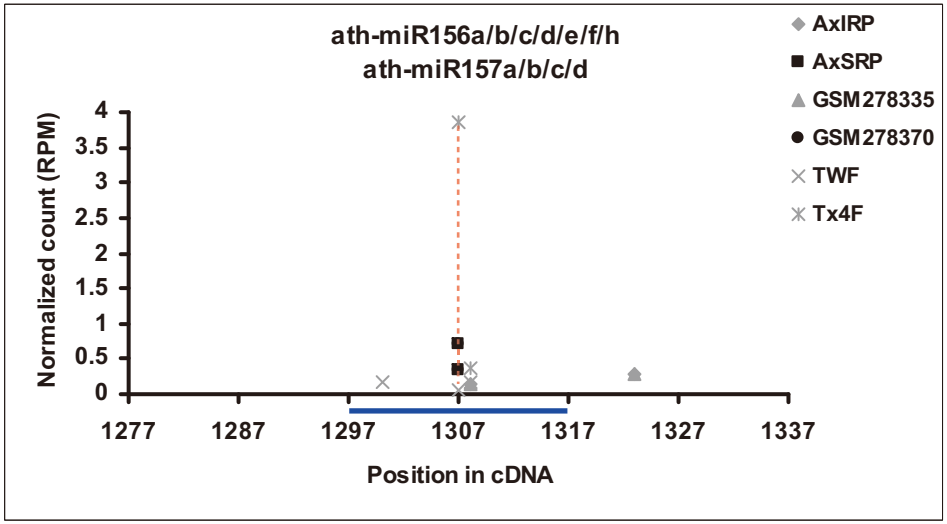

AT1G66700.1
Normalized count (RPM)
3
2.5
2
1.5
1
0.5
0
0
150
300
450
600
750
900
1050
1200
Position in cDNA

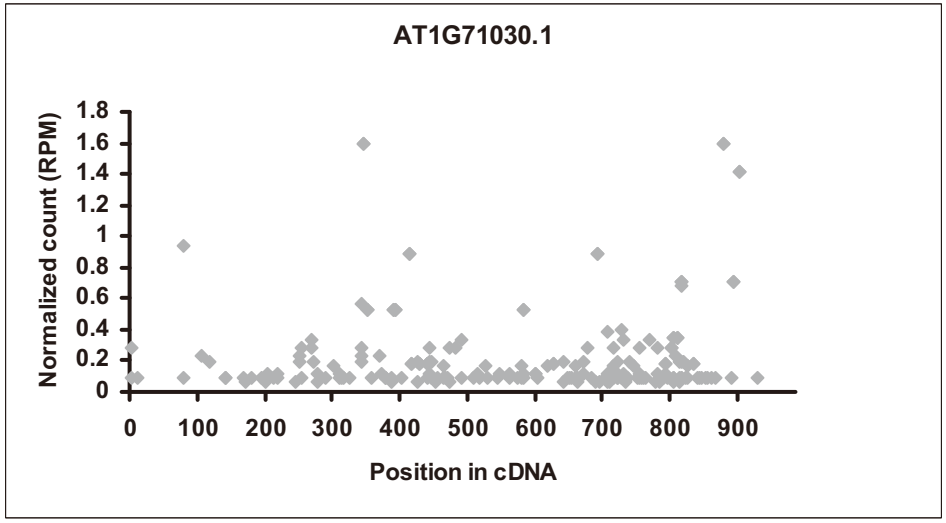

ath-miR163
Tx4F
Normalized count (RPM)
3
2.5
2
1.5
1
0.5
0
325
335
345
355
365
375
385
Position in cDNA

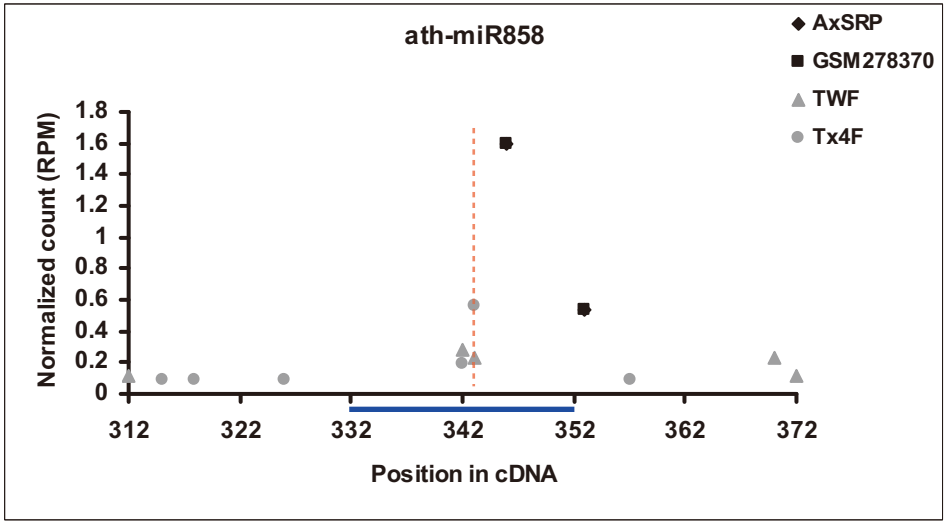

AT1G66700.3
Normalized count (RPM)
3
2.5
2
1.5
1
0.5
0
0
150
300
450
600
750
900
1050
1200
1350
Position in cDNA

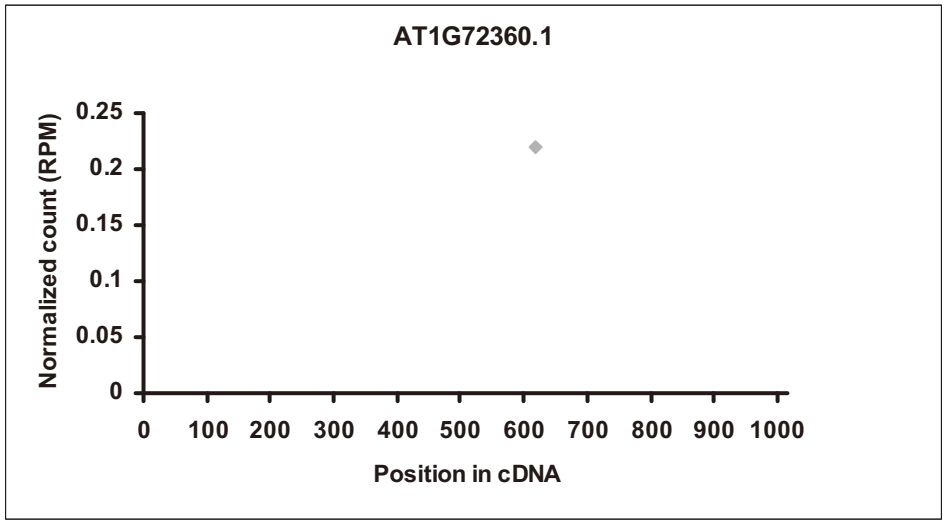

ath-miR163
Tx4F
Normalized count (RPM)
3
2.5
2
1.5
1
0.5
0
313
323
333
343
353
363
373
Position in cDNA

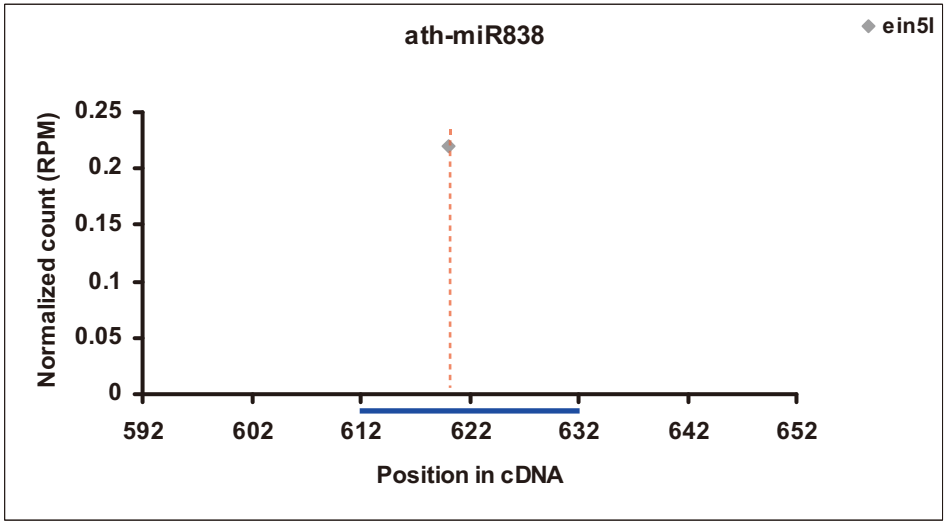

AT1G69170.1
Normalized count (RPM)
0
1
2
3
4
5
6
0
200
400
600
800
1000
1200
1400
1600
1800
Position in cDNA

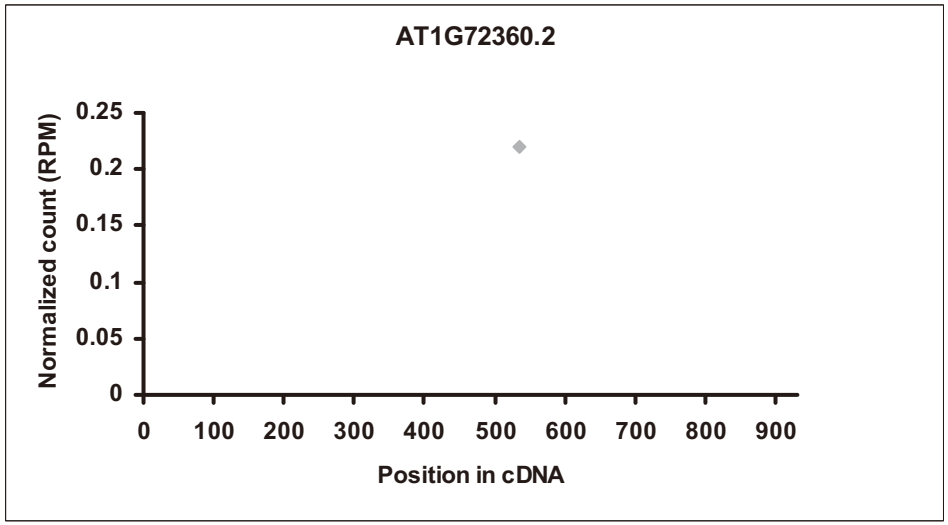

ath-miR156a/b/c/d/e/f/h
ath-miR157a/b/c/d
AxIRP
AxSRP
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
0
0.5
1
1.5
2
2.5
3
3.5
4
1277
1287
1297
1307
1317
1327
1337
Position in cDNA

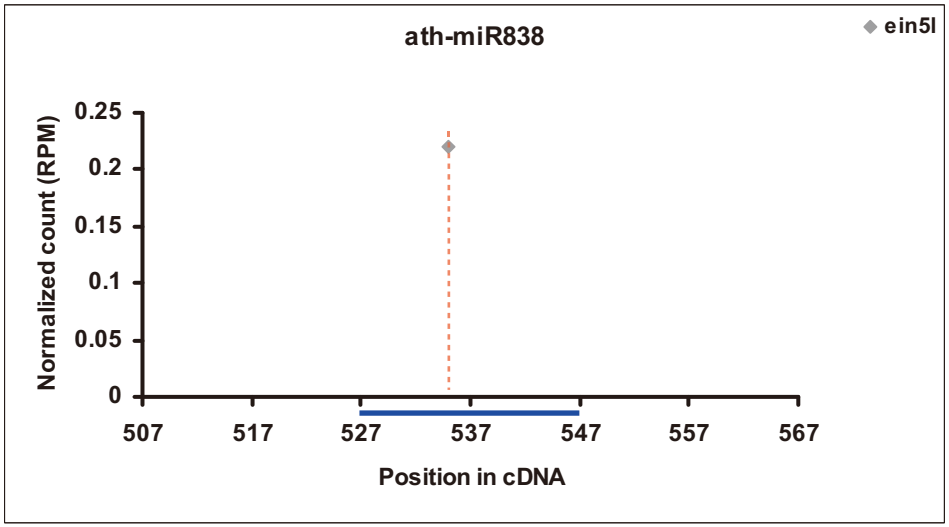

AT1G71030.1
Normalized count (RPM)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
0
100
200
300
400
500
600
700
800
900
Position in cDNA

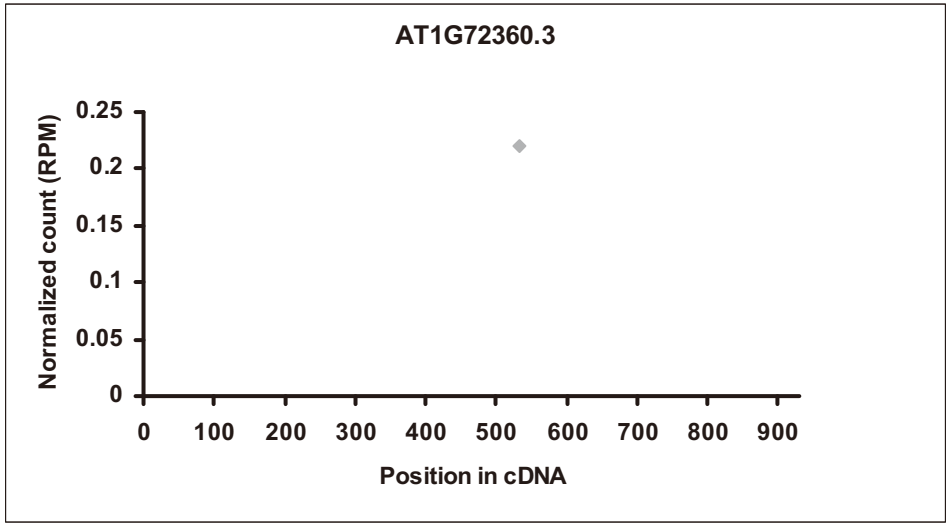

ath-miR858
AxSRP
GSM278370
TWF
Tx4F
Normalized count (RPM)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
312
322
332
342
352
362
372
Position in cDNA

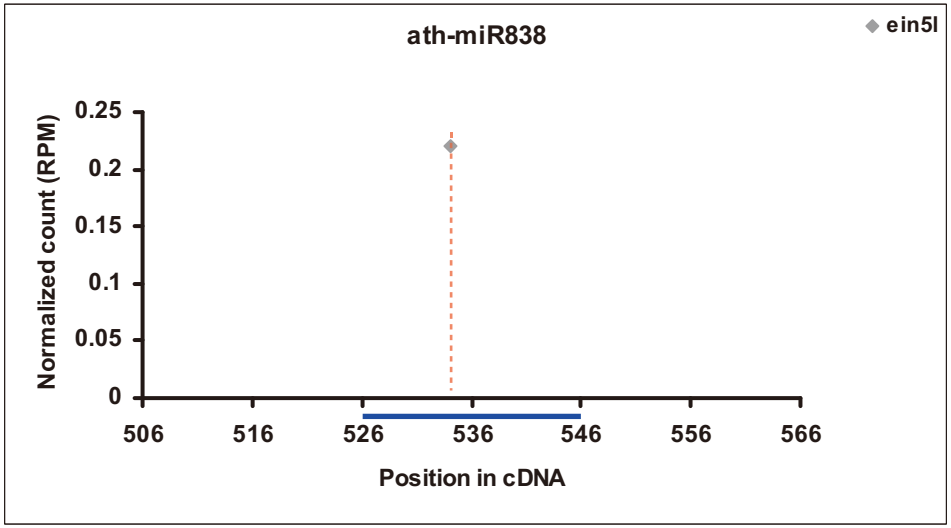

AT1G72360.1
Normalized count (RPM)
0.25
0.2
0.15
0.1
0.05
0
0 100 200 300 400 500 600 700 800 900 1000
Position in cDNA

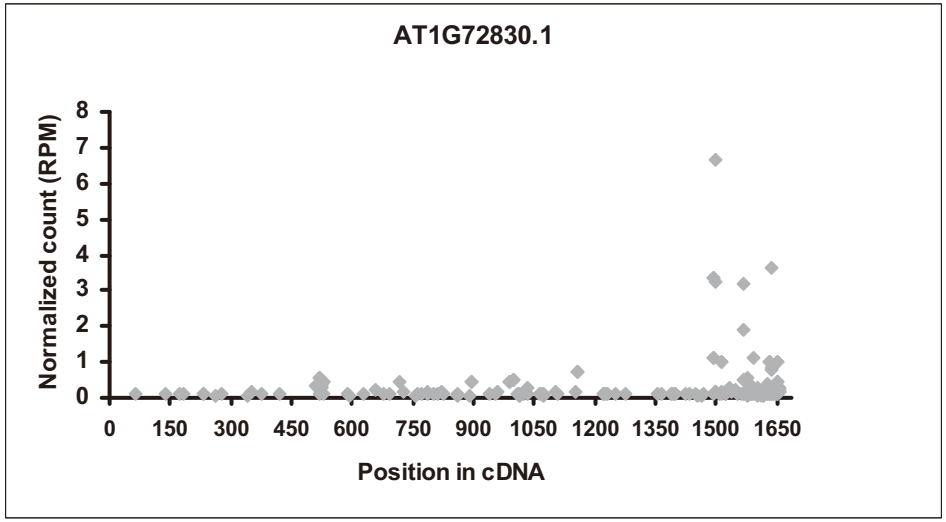

ath-miR838
ein5l
Normalized count (RPM)
0.25
0.2
0.15
0.1
0.05
0
592 602 612 622 632 642 652
Position in cDNA

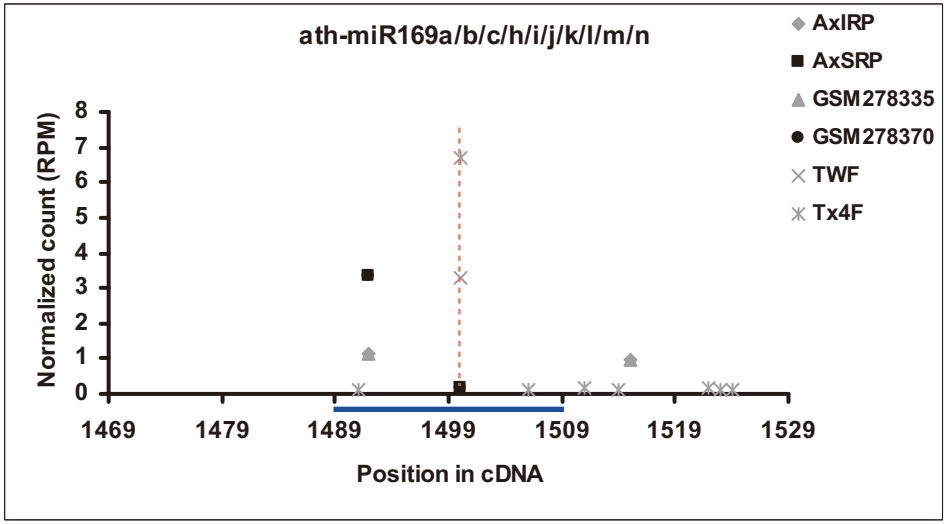

AT1G72360.2
Normalized count (RPM)
0.25
0.2
0.15
0.1
0.05
0
0 100 200 300 400 500 600 700 800 900
Position in cDNA

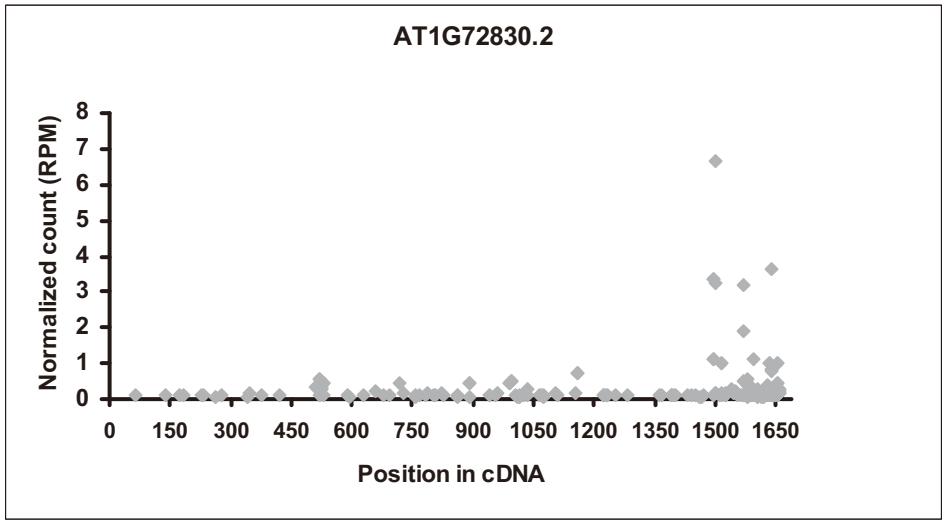

ath-miR838
ein5l
Normalized count (RPM)
0.25
0.2
0.15
0.1
0.05
0
507 517 527 537 547 557 567
Position in cDNA

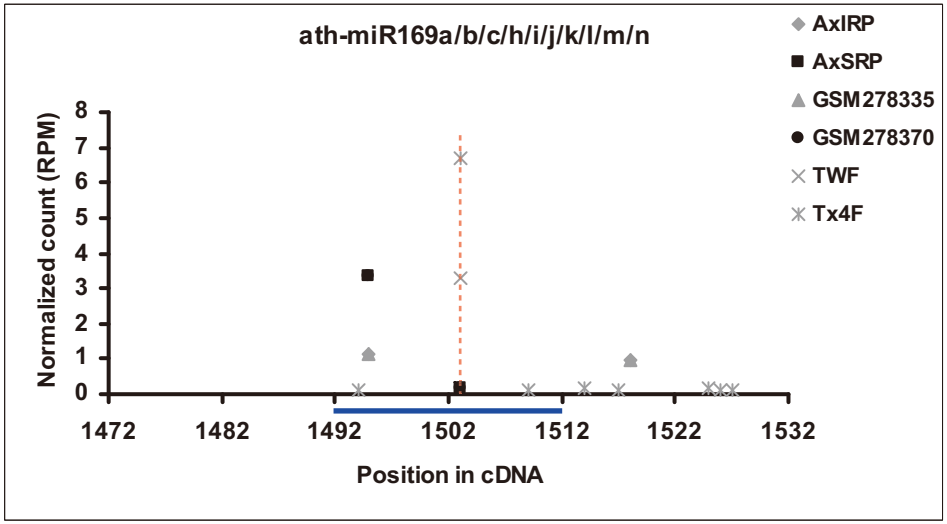

AT1G72360.3
Normalized count (RPM)
0.25
0.2
0.15
0.1
0.05
0
0
100
200
300
400
500
600
700
800
900
Position in cDNA

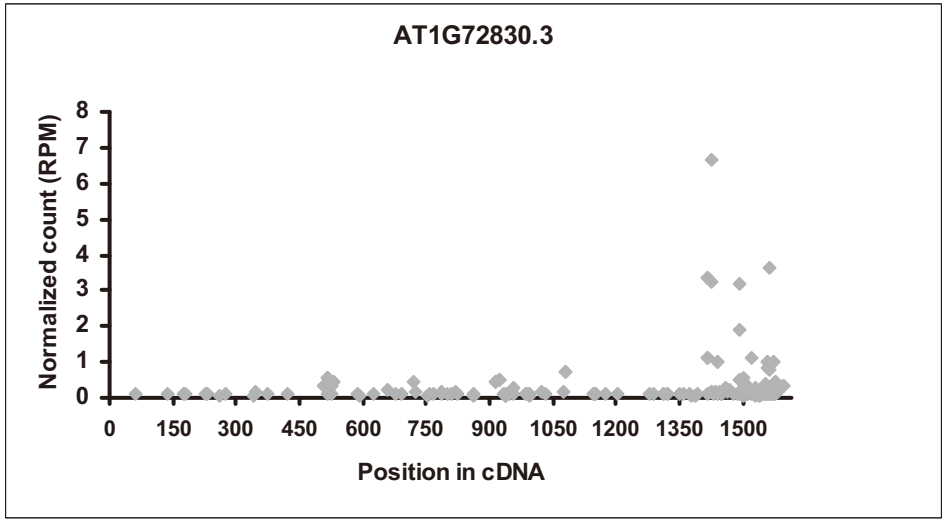

ath-miR838
ein5l
Normalized count (RPM)
0.25
0.2
0.15
0.1
0.05
0
506
516
526
536
546
556
566
Position in cDNA

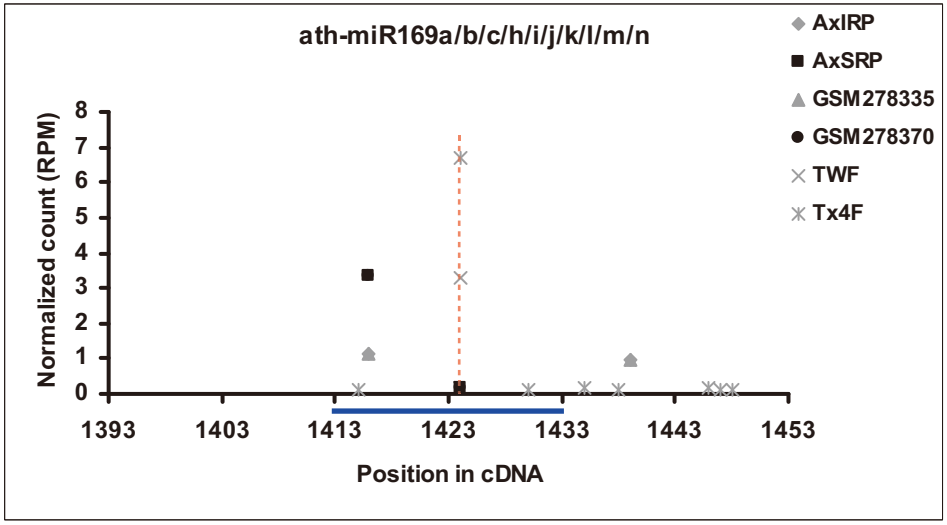

AT1G72830.1
Normalized count (RPM)
8
7
6
5
4
3
2
1
0
0
150
300
450
600
750
900
1050
1200
1350
1500
1650
Position in cDNA

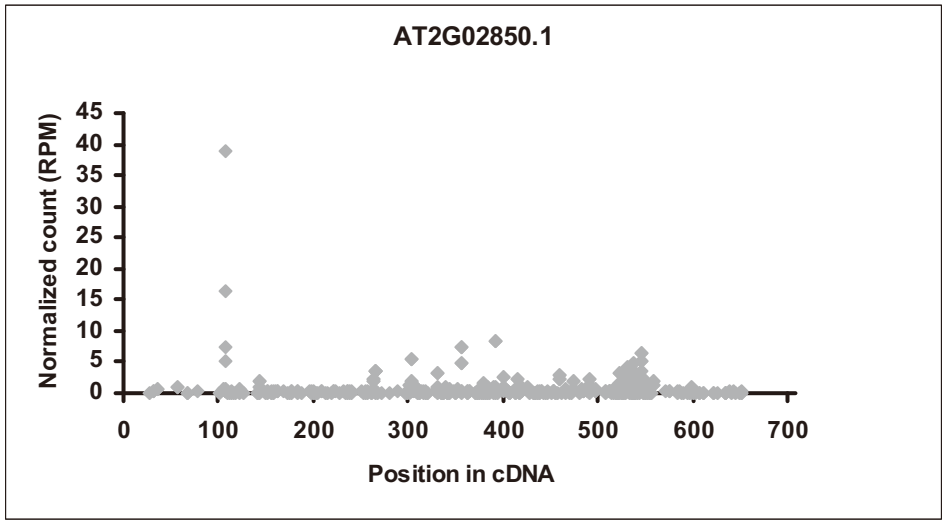

ath-miR169a/b/c/h/i/j/k/l/m/n
AxIRP
AxSRP
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
8
7
6
5
4
3
2
1
0
1469
1479
1489
1499
1509
1519
1529
Position in cDNA

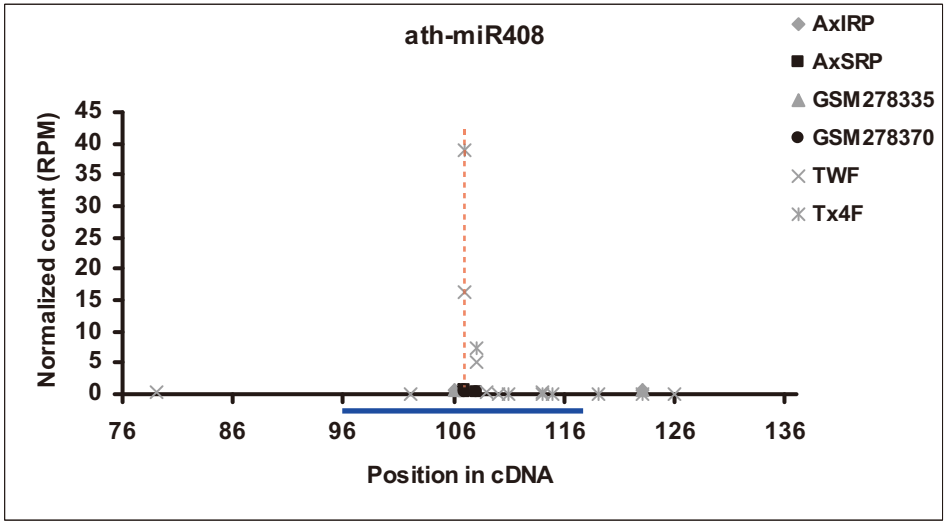

AT1G72830.2
Normalized count (RPM)
0
1
2
3
4
5
6
7
8
0
150
300
450
600
750
900
1050
1200
1350
1500
1650
Position in cDNA

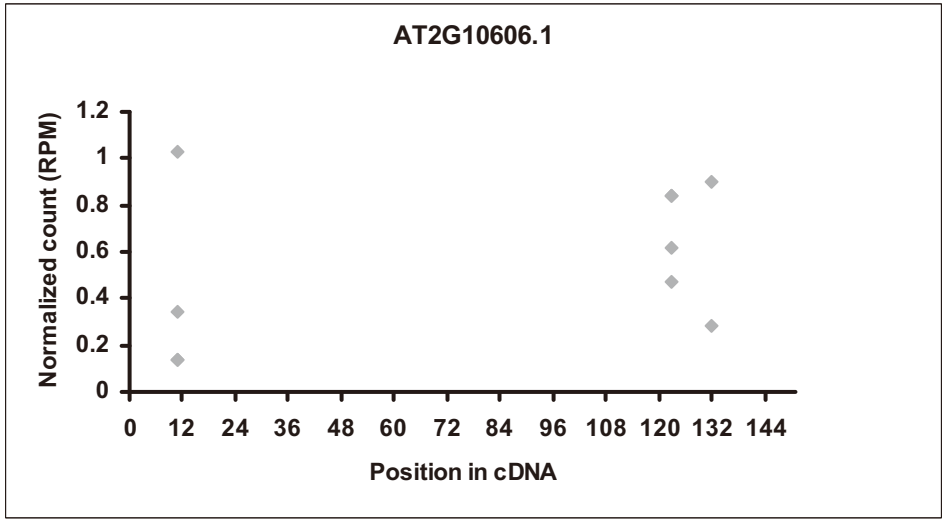

ath-miR169a/b/c/h/i/j/k/l/m/n
AxIRP
AxSRP
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
0
1
2
3
4
5
6
7
8
1472
1482
1492
1502
1512
1522
1532
Position in cDNA

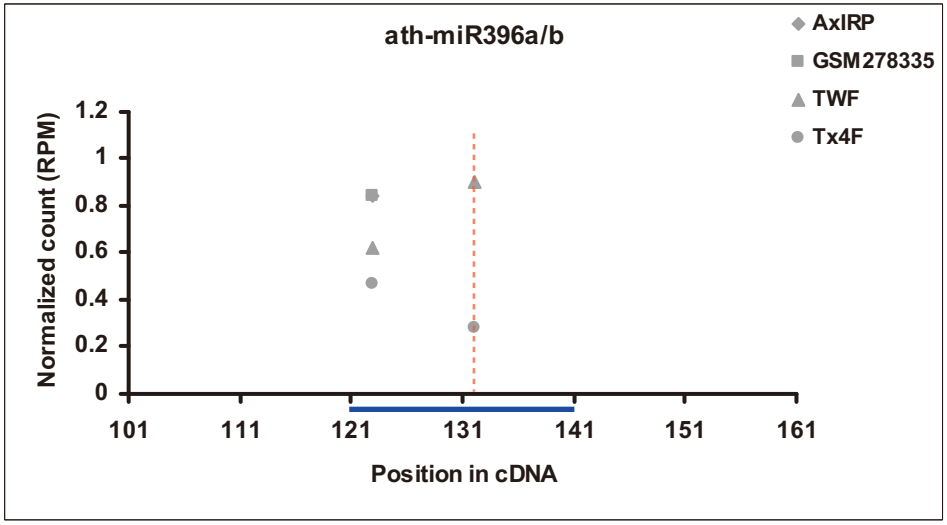

AT1G72830.3
Normalized count (RPM)
0
1
2
3
4
5
6
7
8
0
150
300
450
600
750
900
1050
1200
1350
1500
Position in cDNA

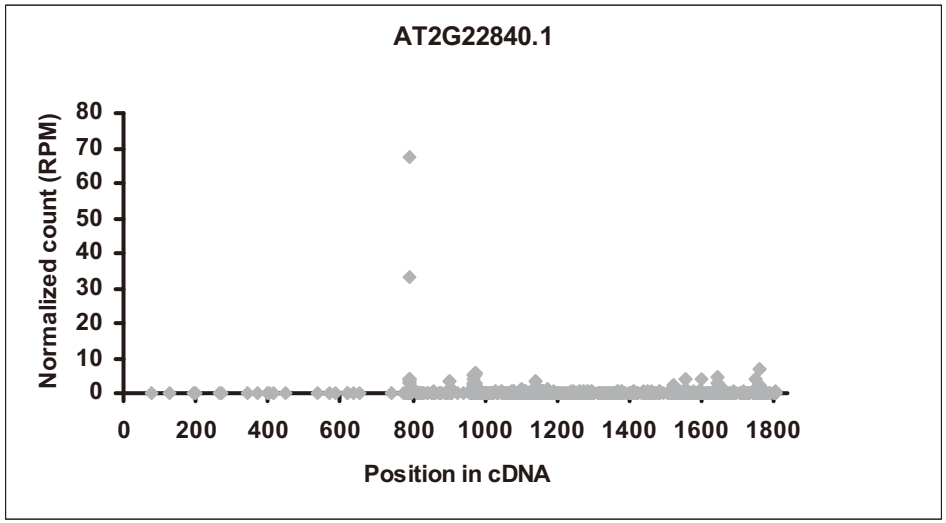

ath-miR169a/b/c/h/i/j/k/l/m/n
AxIRP
AxSRP
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
0
1
2
3
4
5
6
7
8
1393
1403
1413
1423
1433
1443
1453
Position in cDNA

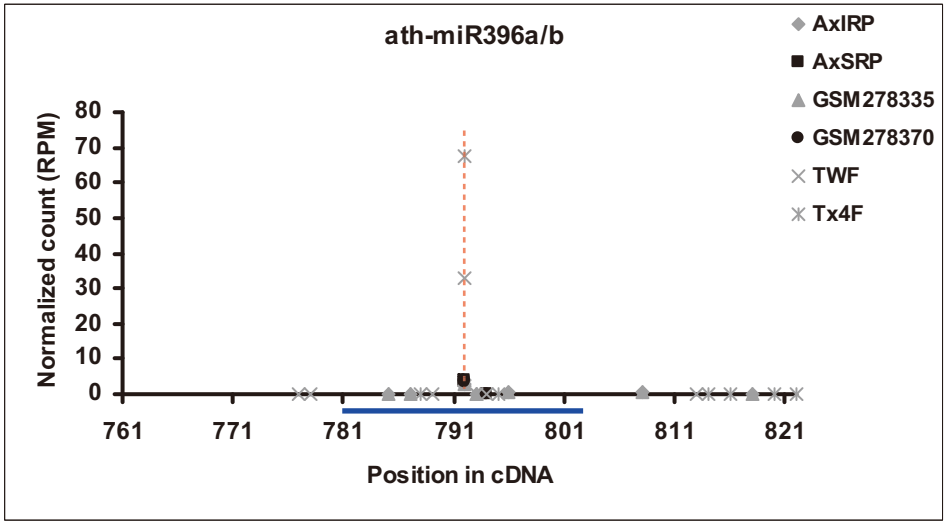

AT2G02850.1
Normalized count (RPM)
45
40
35
30
25
20
15
10
5
0
0
100
200
300
400
500
600
700
Position in cDNA

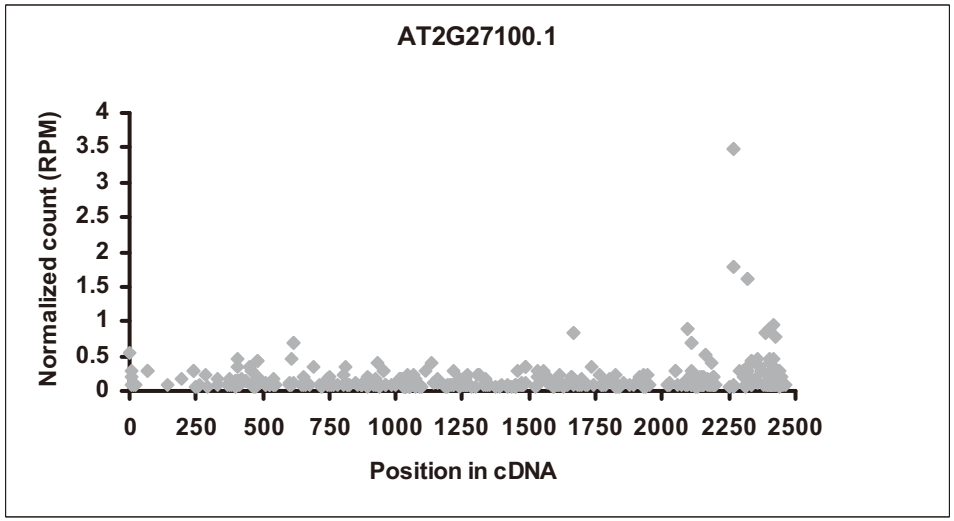

ath-miR408
AxIRP
AxSRP
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
45
40
35
30
25
20
15
10
5
0
76
86
96
106
116
126
136
Position in cDNA

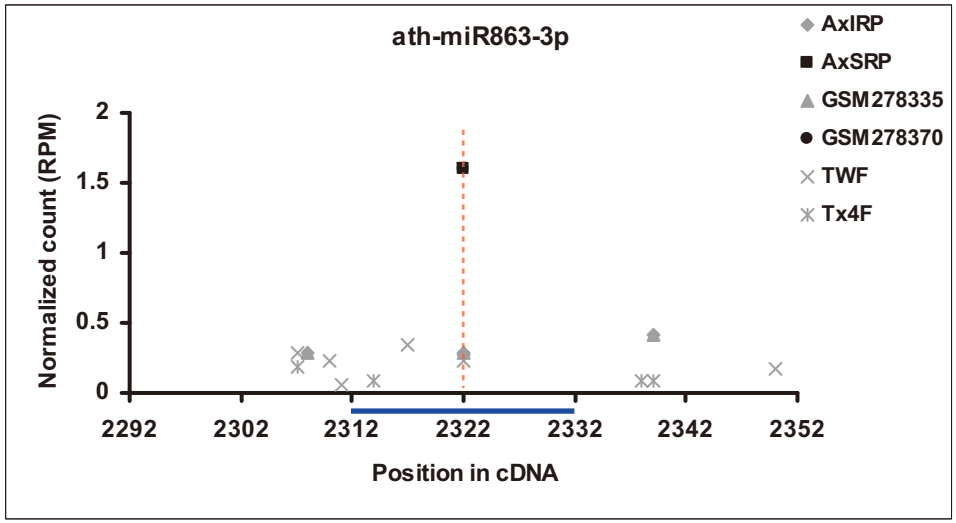

AT2G10606.1
Normalized count (RPM)
1.2
1
0.8
0.6
0.4
0.2
0
0
12
24
36
48
60
72
84
96
108
120
132
144
Position in cDNA

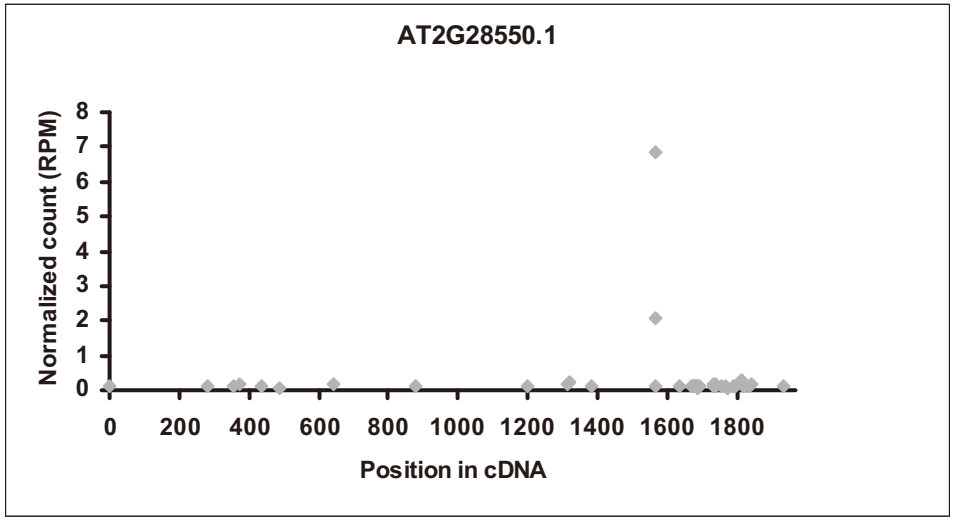

ath-miR396a/b
AxIRP
GSM278335
TWF
Tx4F
Normalized count (RPM)
1.2
1
0.8
0.6
0.4
0.2
0
101
111
121
131
141
151
161
Position in cDNA

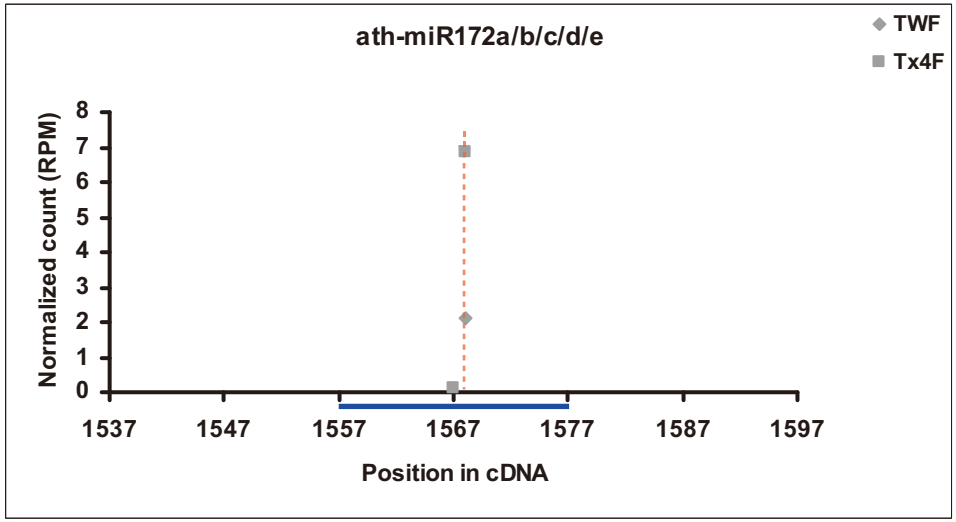

AT2G22840.1
Normalized count (RPM)
80
70
60
50
40
30
20
10
0
0
200
400
600
800
1000
1200
1400
1600
1800
Position in cDNA

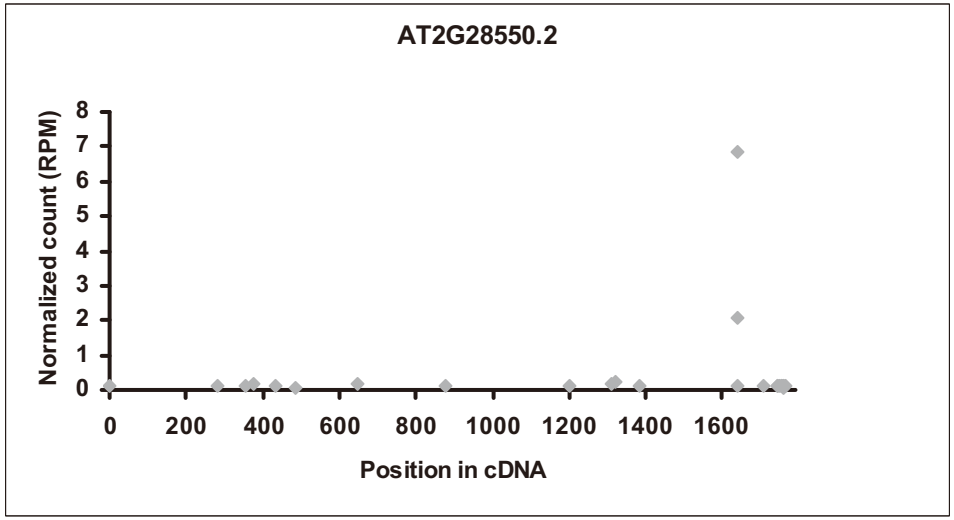

ath-miR396a/b
AxIRP
AxSRP
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
80
70
60
50
40
30
20
10
0
761
771
781
791
801
811
821
Position in cDNA

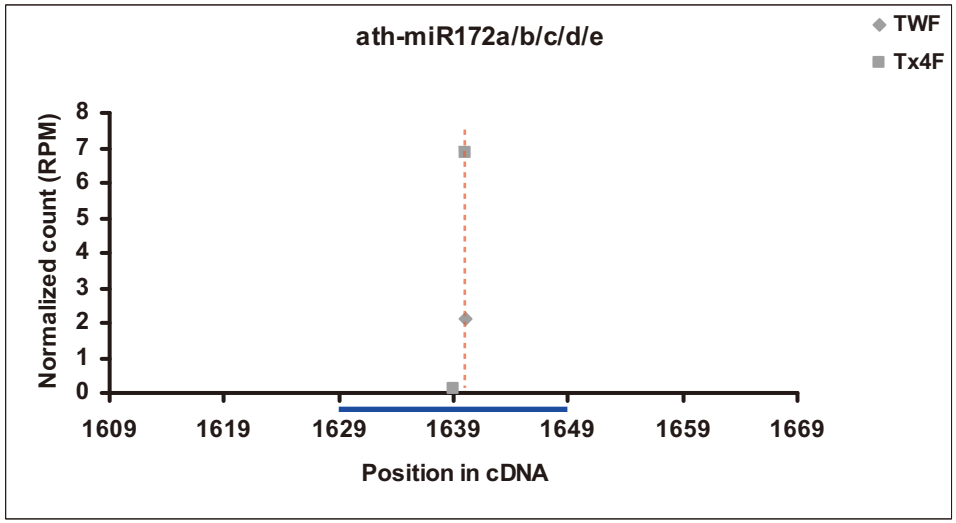

AT2G27100.1
Normalized count (RPM)
4
3.5
3
2.5
2
1.5
1
0.5
0
0
250
500
750
1000
1250
1500
1750
2000
2250
2500
Position in cDNA

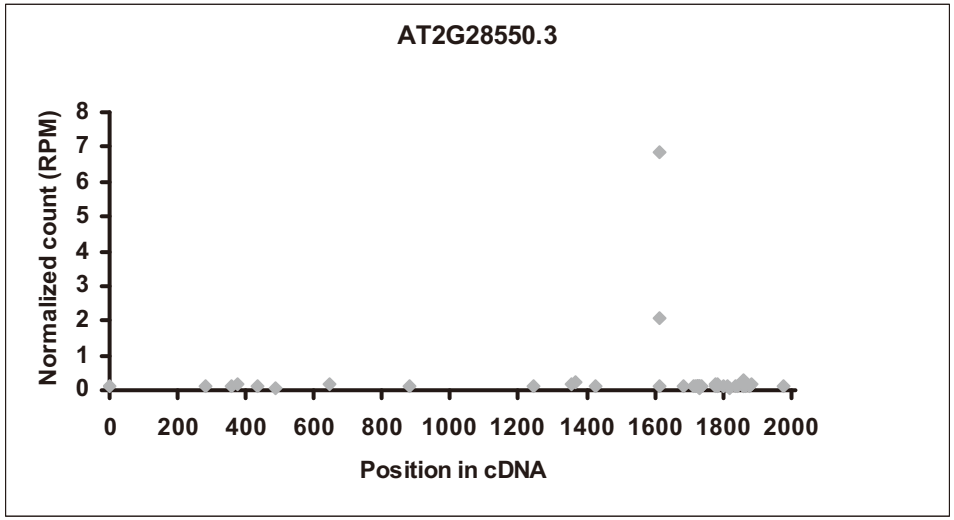

ath-miR863-3p
AxIRP
AxSRP
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
2
1.5
1
0.5
0
2292
2302
2312
2322
2332
2342
2352
Position in cDNA

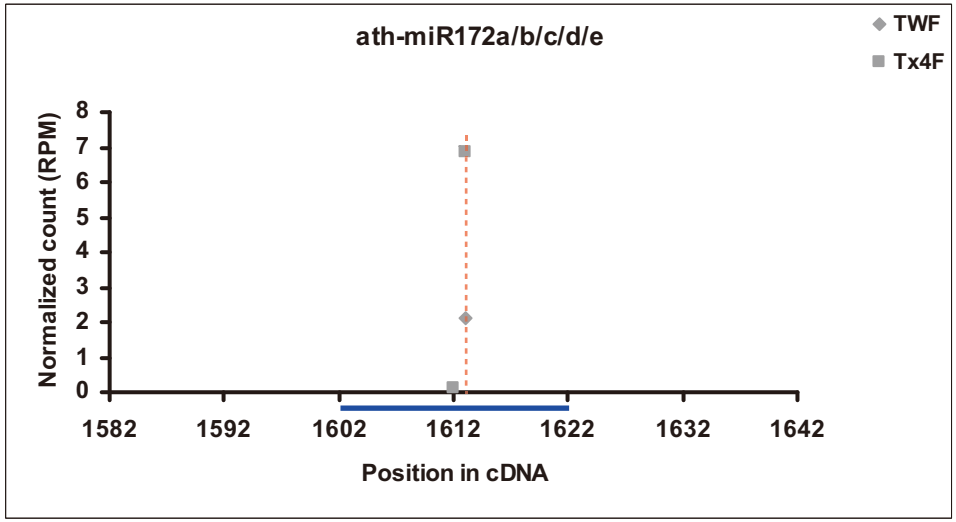

AT2G28550.1
Normalized count (RPM)
0
1
2
3
4
5
6
7
8
0
200
400
600
800
1000
1200
1400
1600
1800
Position in cDNA

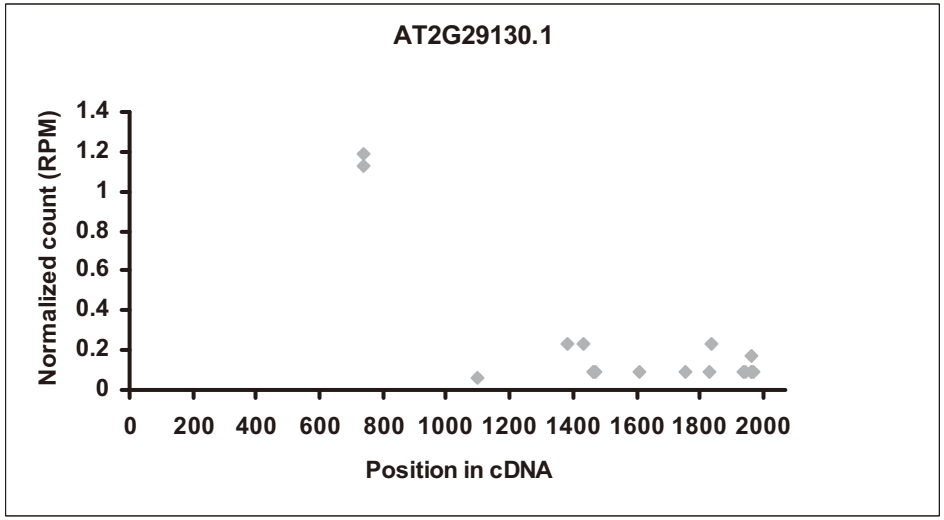

ath-miR172a/b/c/d/e
TWF
Tx4F
Normalized count (RPM)
0
1
2
3
4
5
6
7
8
1537
1547
1557
1567
1577
1587
1597
Position in cDNA

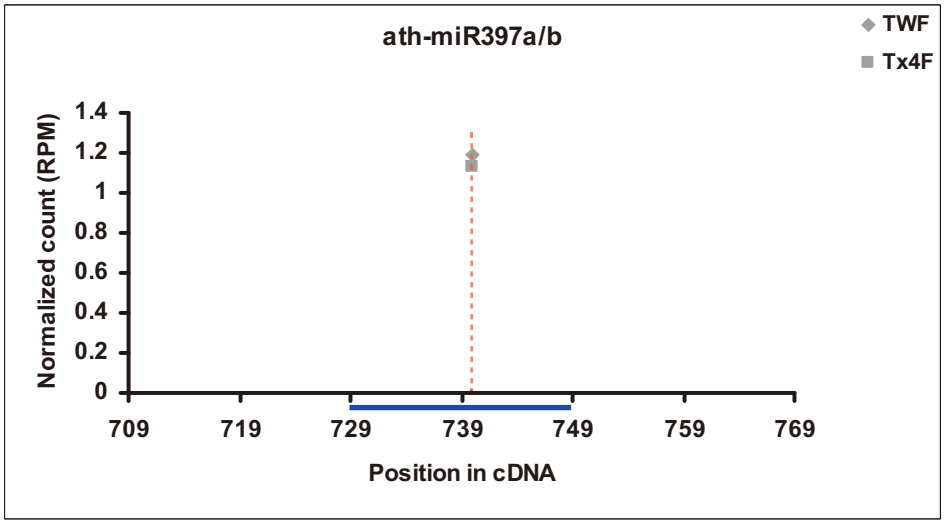

AT2G28550.2
Normalized count (RPM)
0
1
2
3
4
5
6
7
8
0
200
400
600
800
1000
1200
1400
1600
Position in cDNA

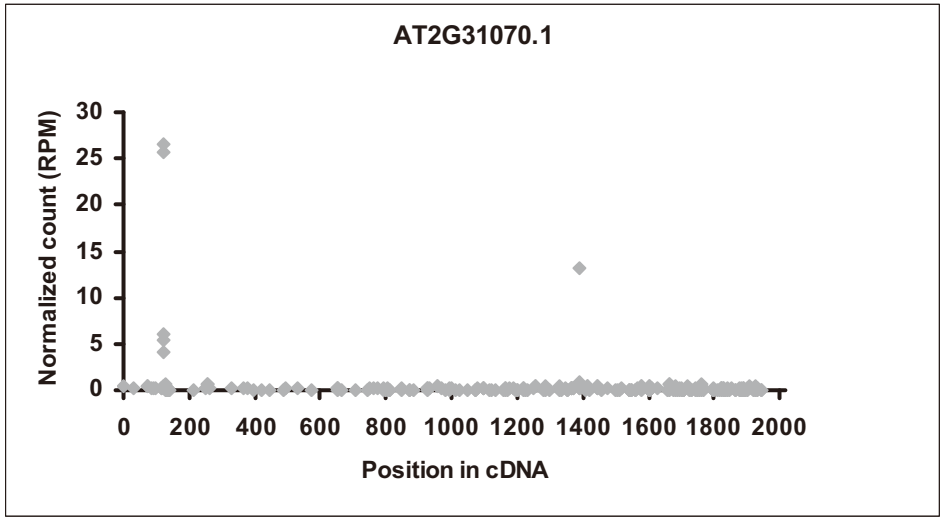

ath-miR172a/b/c/d/e
TWF
Tx4F
Normalized count (RPM)
0
1
2
3
4
5
6
7
8
1609
1619
1629
1639
1649
1659
1669
Position in cDNA

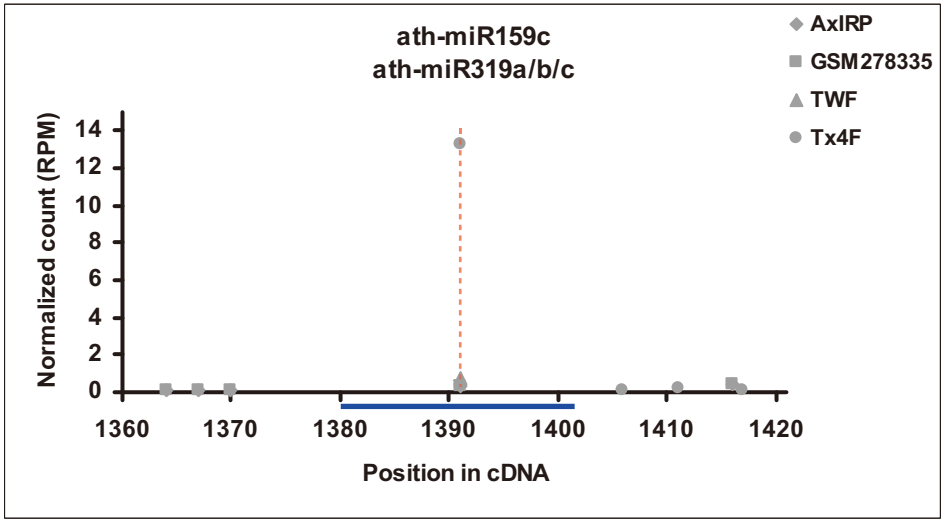

AT2G28550.3
Normalized count (RPM)
0
1
2
3
4
5
6
7
8
0
200
400
600
800
1000
1200
1400
1600
1800
2000
Position in cDNA

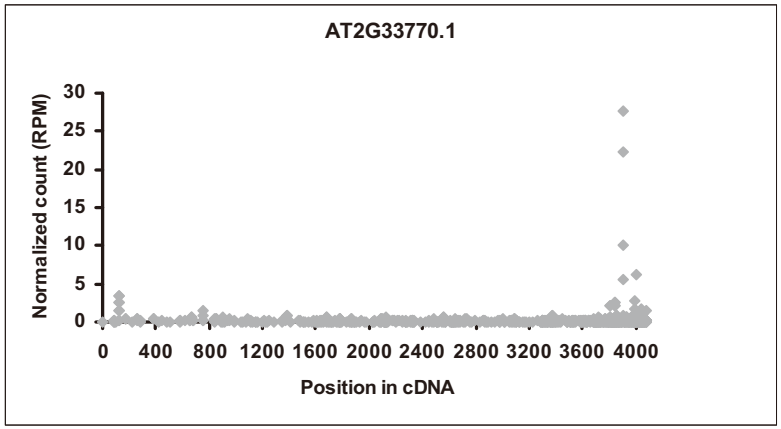

ath-miR172a/b/c/d/e
TWF
Tx4F
Normalized count (RPM)
0
1
2
3
4
5
6
7
8
1582
1592
1602
1612
1622
1632
1642
Position in cDNA

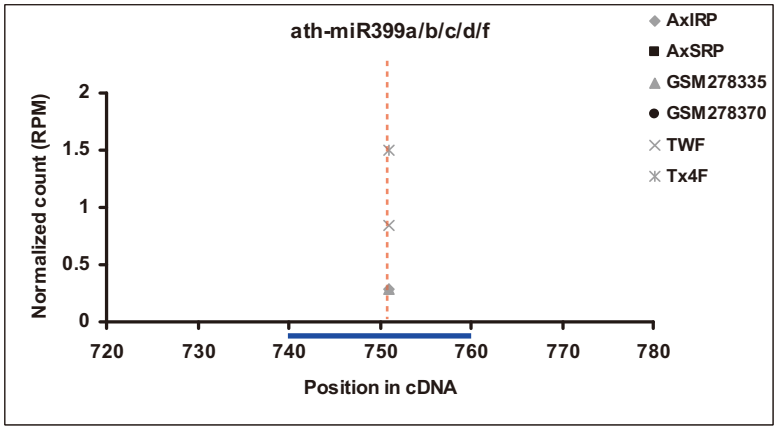

AT2G29130.1
Normalized count (RPM)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
200
400
600
800
1000
1200
1400
1600
1800
2000
Position in cDNA

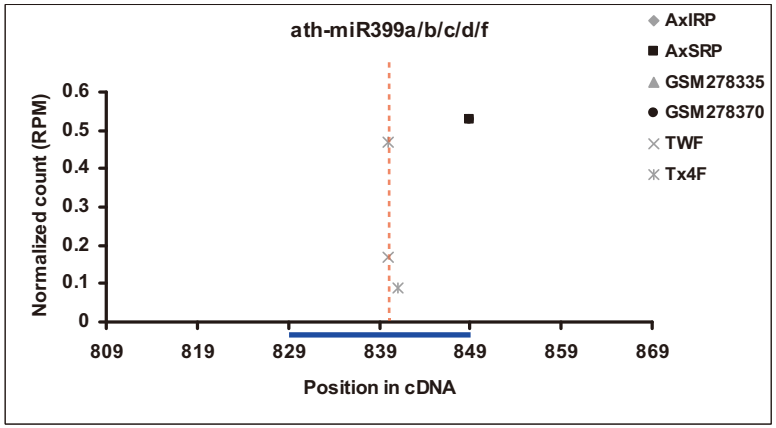

ath-miR397a/b
TWF
Tx4F
Normalized count (RPM)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
709
719
729
739
749
759
769
Position in cDNA

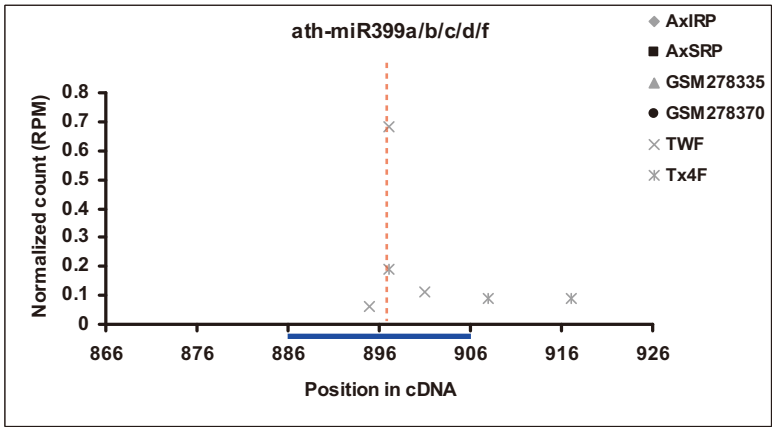

AT2G31070.1
Normalized count (RPM)
30
25
20
15
10
5
0
0
200
400
600
800
1000
1200
1400
1600
1800
2000
Position in cDNA

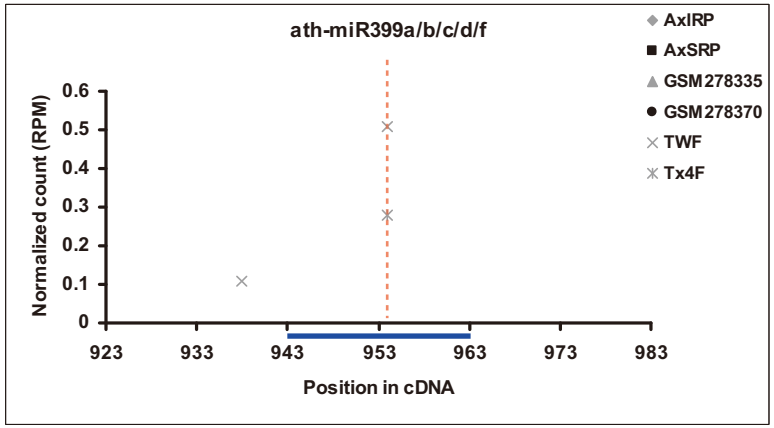

ath-miR159c
ath-miR319a/b/c
AxIRP
GSM278335
TWF
Tx4F
Normalized count (RPM)
14
12
10
8
6
4
2
0
1360
1370
1380
1390
1400
1410
1420
Position in cDNA

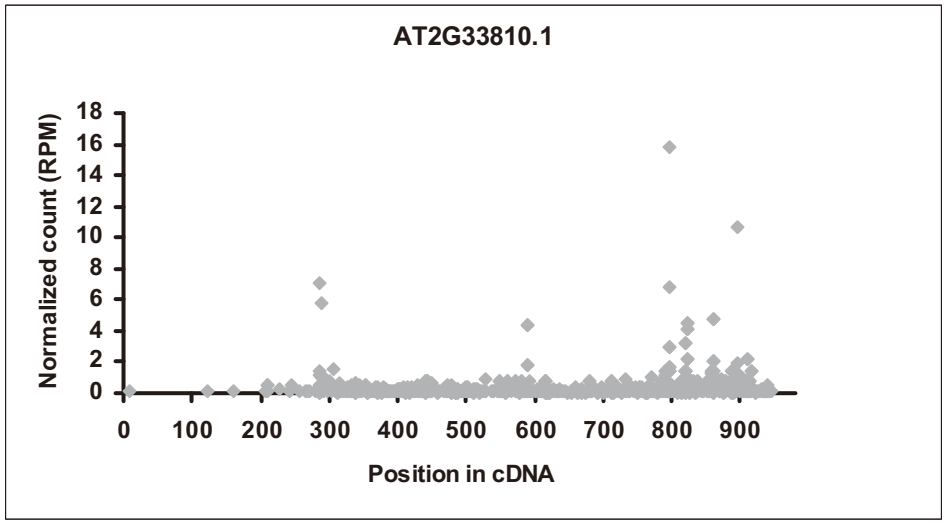

AT2G33770.1
Normalized count (RPM)
30
25
20
15
10
5
0
0 400 800 1200 1600 2000 2400 2800 3200 3600 4000
Position in cDNA

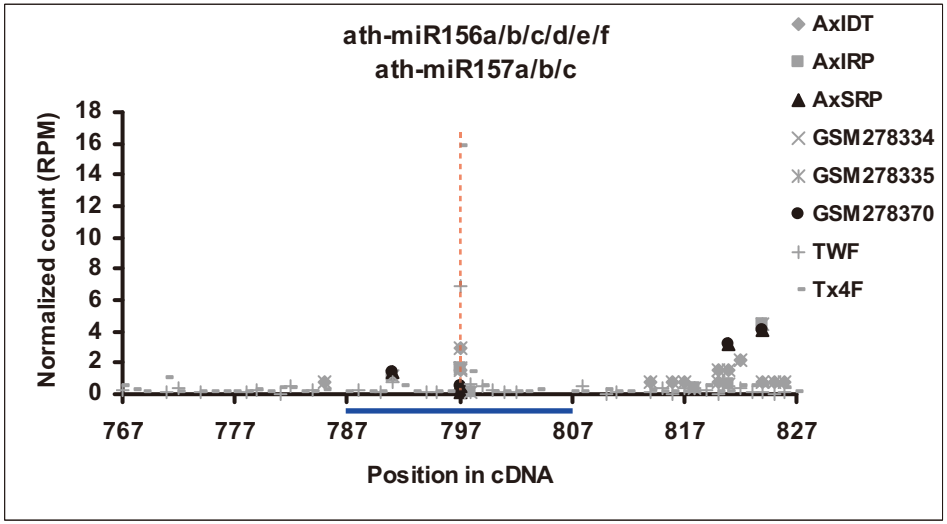

ath-miR399a/b/c/d/f
AxIRP
AxSRP
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
2
1.5
1
0.5
0
720 730 740 750 760 770 780
Position in cDNA

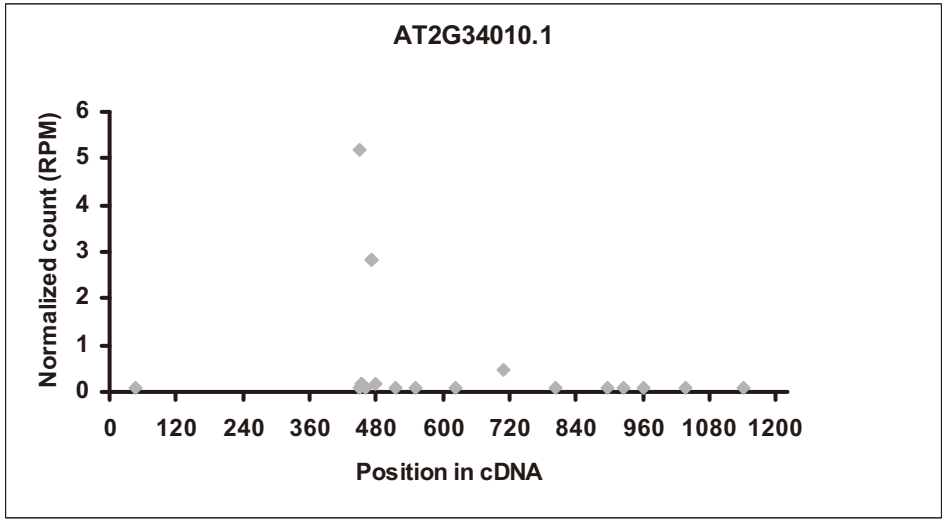

ath-miR399a/b/c/d/f
AxIRP
AxSRP
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
0.6
0.5
0.4
0.3
0.2
0.1
0
809 819 829 839 849 859 869
Position in cDNA

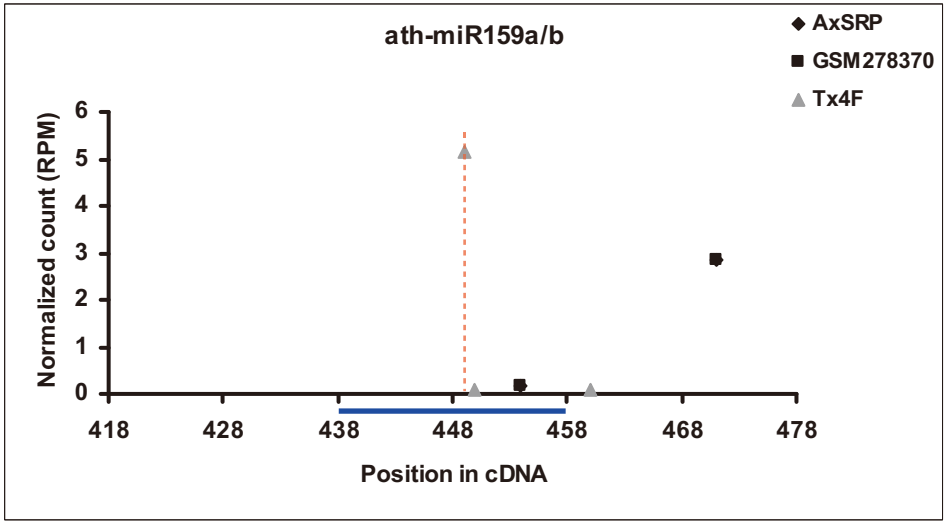

ath-miR399a/b/c/d/f
AxIRP
AxSRP
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
866 876 886 896 906 916 926
Position in cDNA

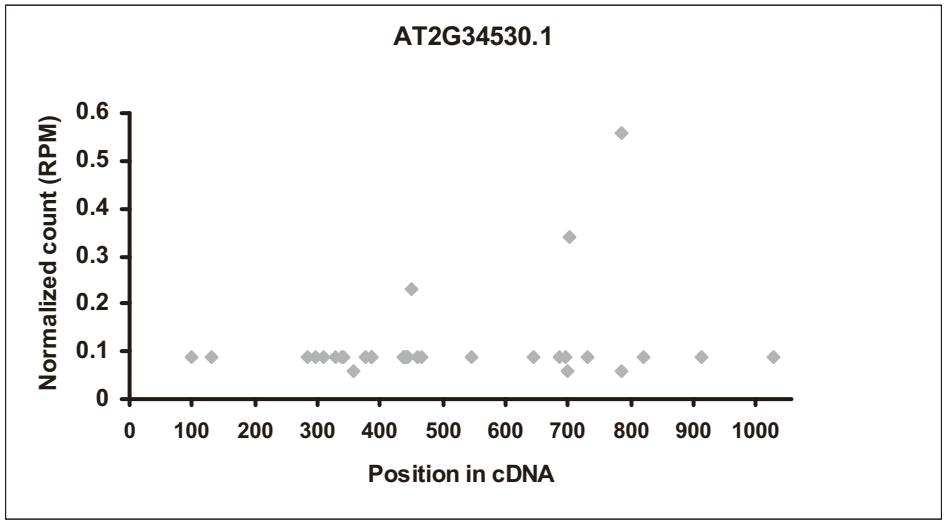

ath-miR399a/b/c/d/f
AxIRP
AxSRP
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
0.6
0.5
0.4
0.3
0.2
0.1
0
923 933 943 953 963 973 983
Position in cDNA

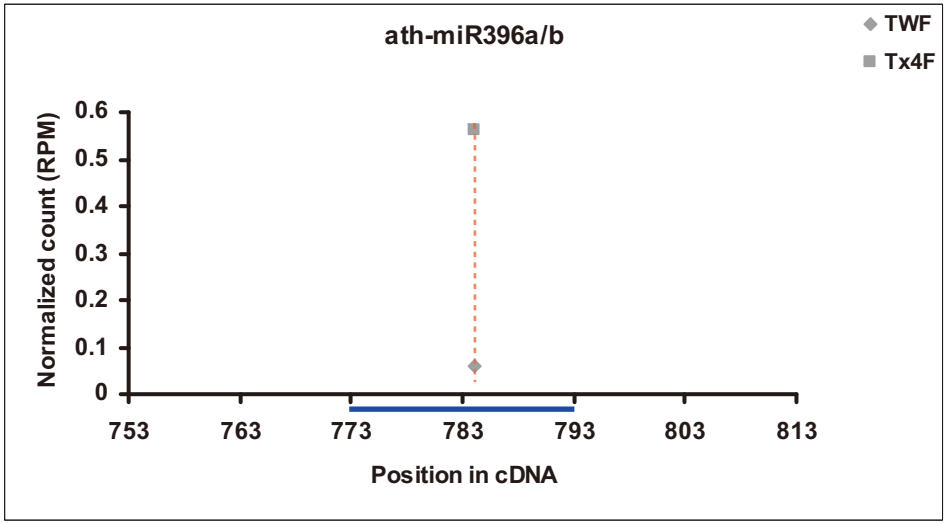

AT2G33810.1
Normalized count (RPM)
18
16
14
12
10
8
6
4
2
0
0
100
200
300
400
500
600
700
800
900
Position in cDNA

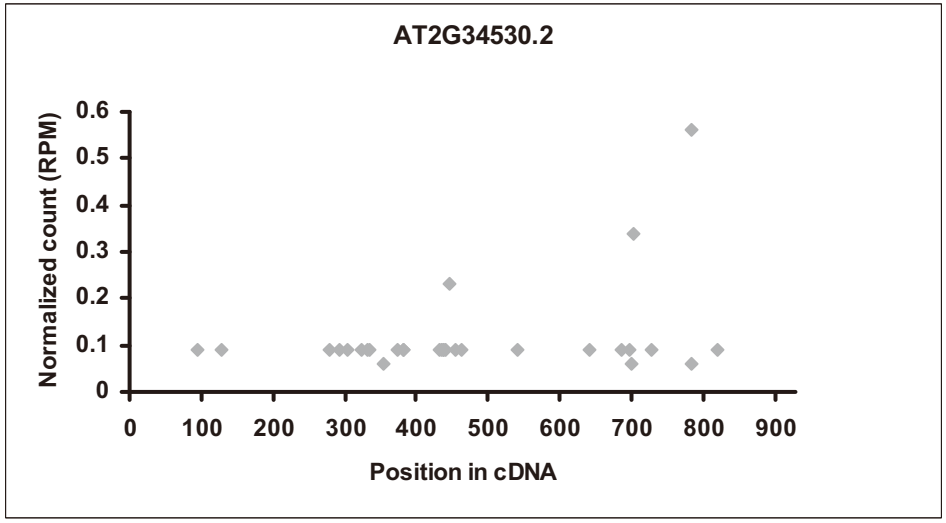

ath-miR156a/b/c/d/e/f
ath-miR157a/b/c
AxIDT
AxIRP
AxSRP
GSM278334
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
18
16
14
12
10
8
6
4
2
0
767
777
787
797
807
817
827
Position in cDNA

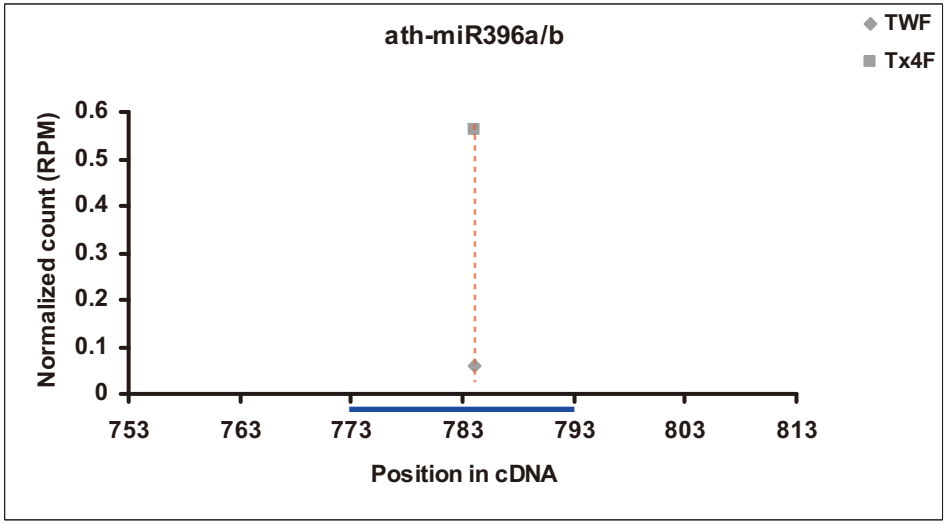

AT2G34010.1
Normalized count (RPM)
6
5
4
3
2
1
0
0
120
240
360
480
600
720
840
960
1080
1200
Position in cDNA

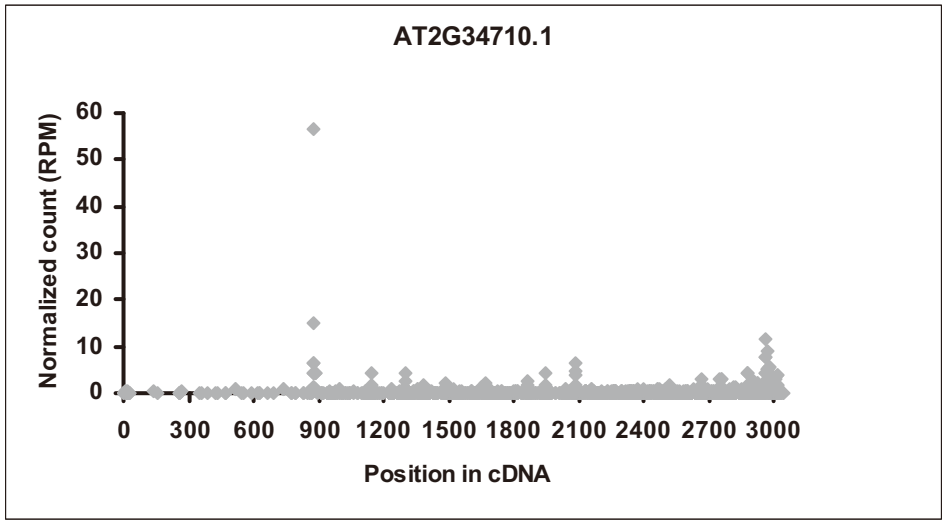

ath-miR159a/b
AxSRP
GSM278370
Tx4F
Normalized count (RPM)
6
5
4
3
2
1
0
418
428
438
448
458
468
478
Position in cDNA

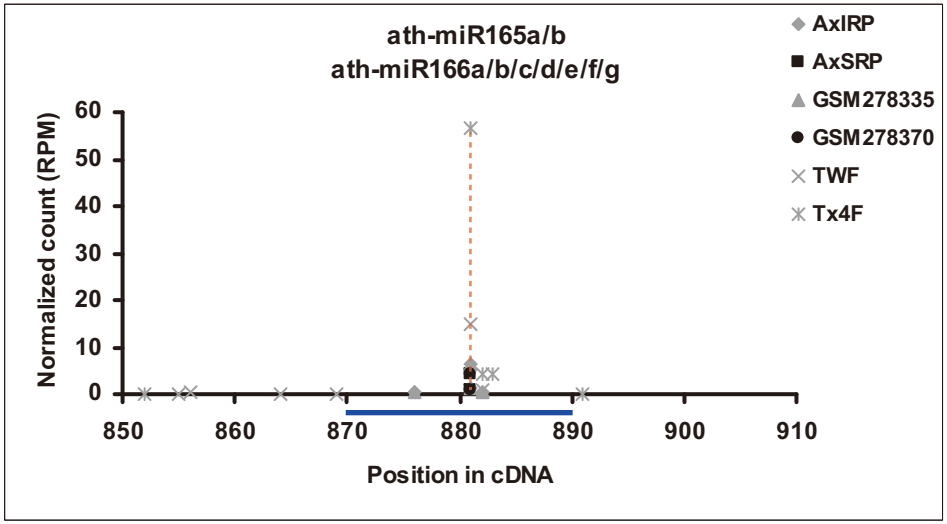

AT2G34530.1
Normalized count (RPM)
0.6
0.5
0.4
0.3
0.2
0.1
0
0
100
200
300
400
500
600
700
800
900
1000
Position in cDNA

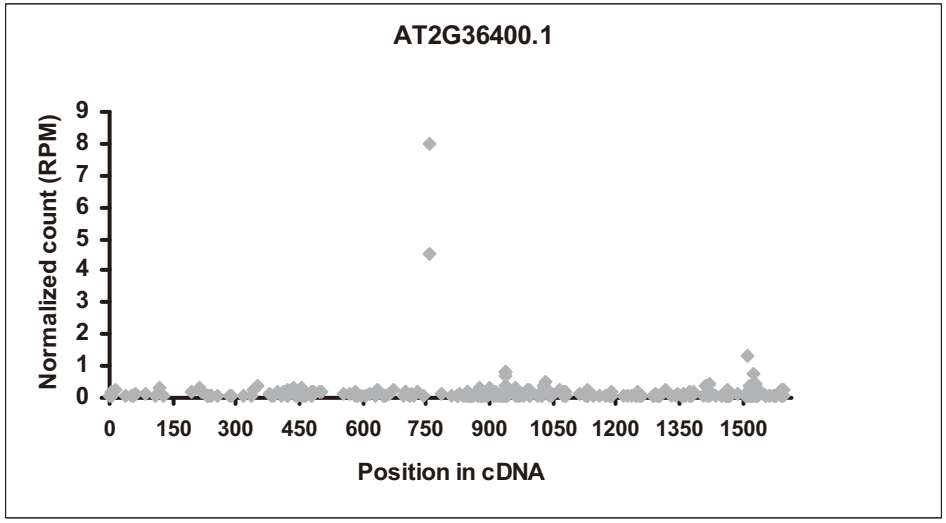

ath-miR396a/b
TWF
Tx4F
Normalized count (RPM)
0.6
0.5
0.4
0.3
0.2
0.1
0
753
763
773
783
793
803
813
Position in cDNA

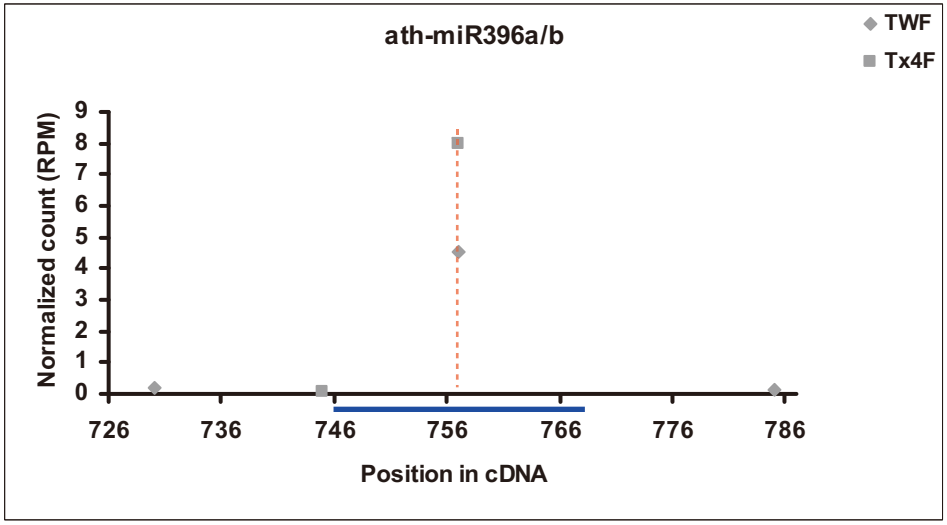

AT2G34530.2
Normalized count (RPM)
0.6
0.5
0.4
0.3
0.2
0.1
0
0
100
200
300
400
500
600
700
800
900
Position in cDNA

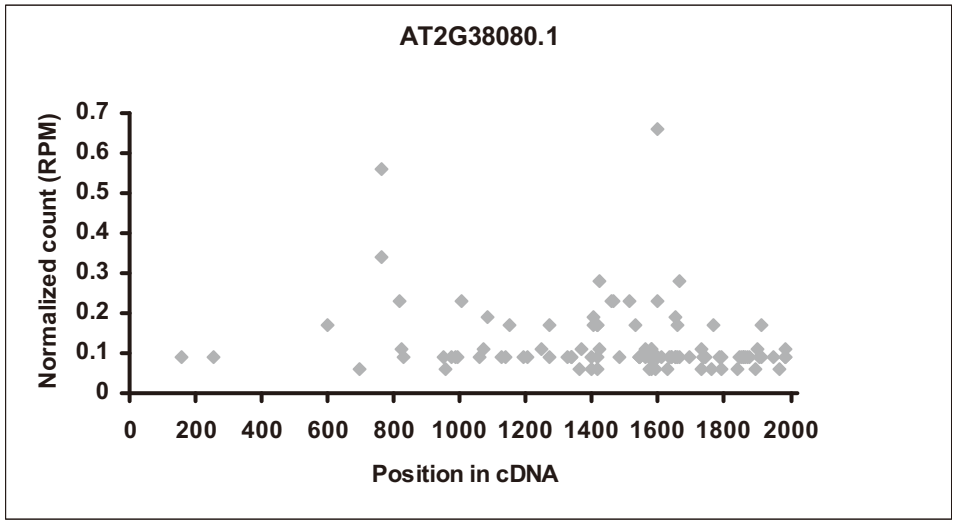

ath-miR396a/b
TWF
Tx4F
Normalized count (RPM)
0.6
0.5
0.4
0.3
0.2
0.1
0
753
763
773
783
793
803
813
Position in cDNA

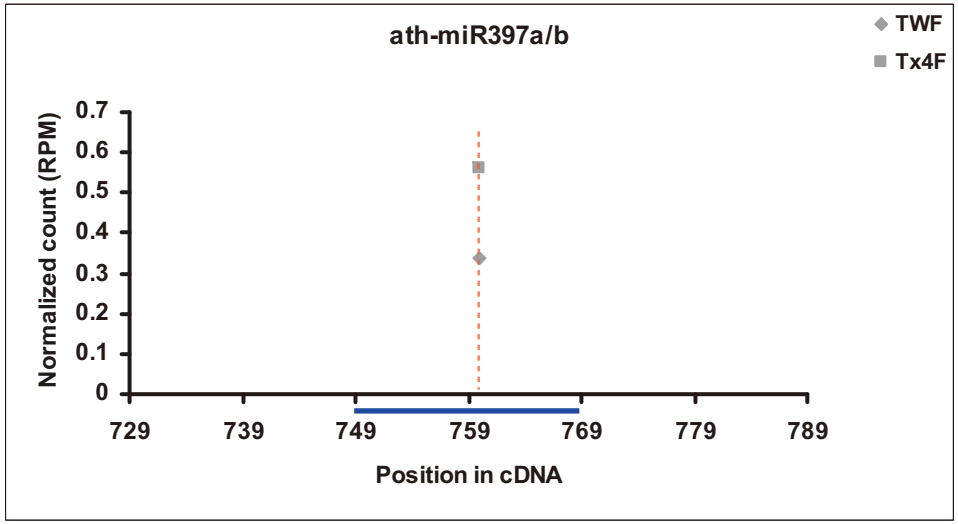

AT2G34710.1
Normalized count (RPM)
60
50
40
30
20
10
0
0 300 600 900 1200 1500 1800 2100 2400 2700 3000
Position in cDNA

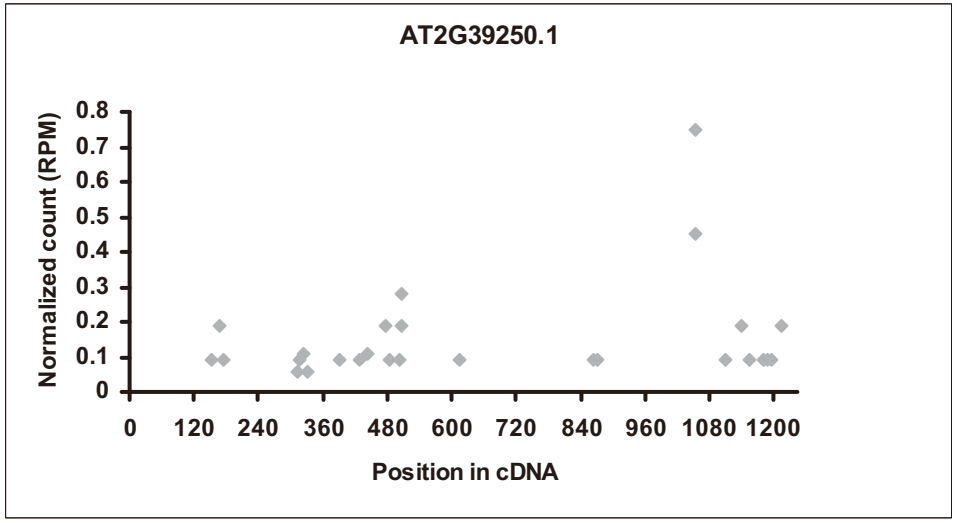

ath-miR165a/b
ath-miR166a/b/c/d/e/f/g
AxIRP
AxSRP
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
60
50
40
30
20
10
0
850 860 870 880 890 900 910
Position in cDNA

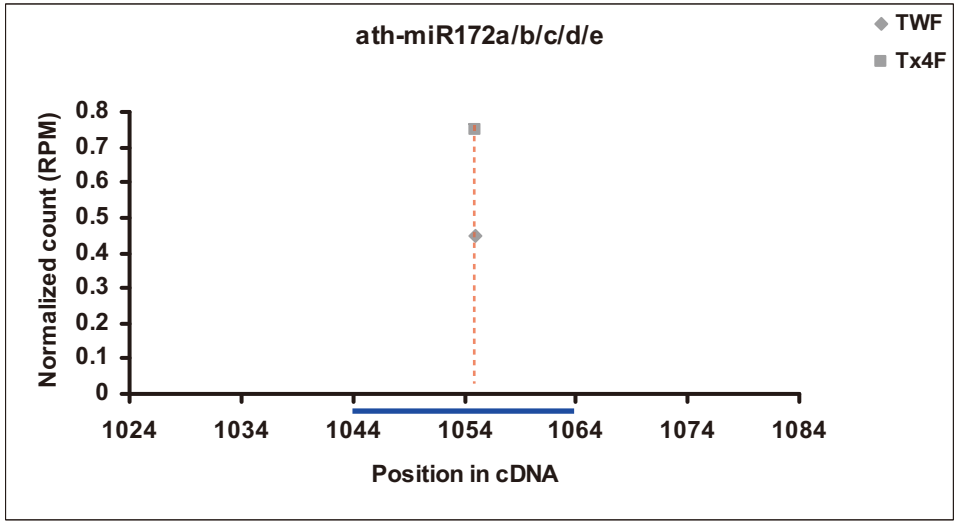

AT2G36400.1
Normalized count (RPM)
9
8
7
6
5
4
3
2
1
0
0 150 300 450 600 750 900 1050 1200 1350 1500
Position in cDNA

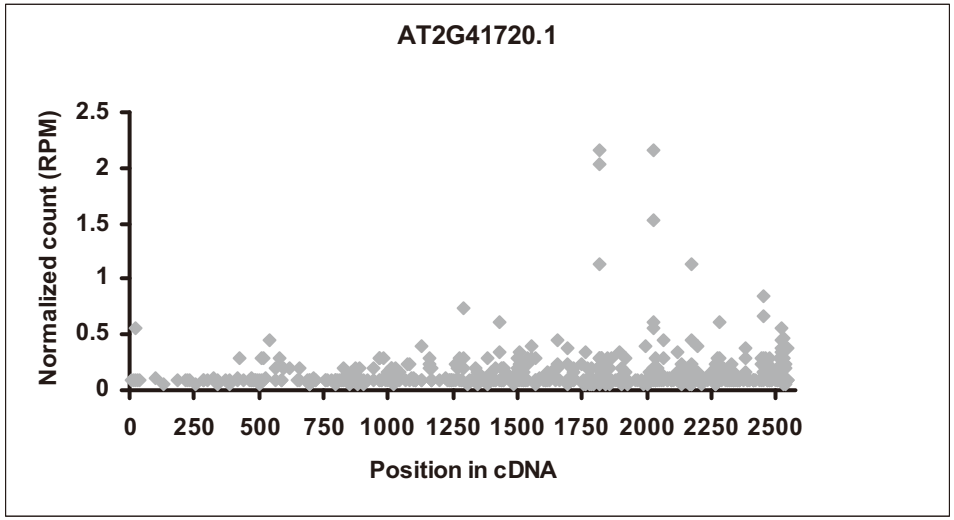

ath-miR396a/b
TWF
Tx4F
Normalized count (RPM)
9
8
7
6
5
4
3
2
1
0
726 736 746 756 766 776 786
Position in cDNA

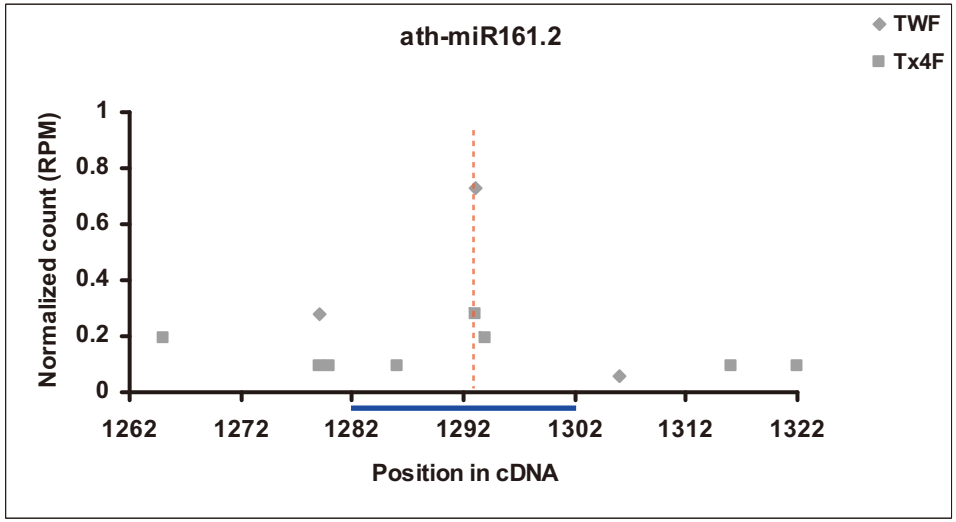

AT2G38080.1
Normalized count (RPM)
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 200 400 600 800 1000 1200 1400 1600 1800 2000
Position in cDNA

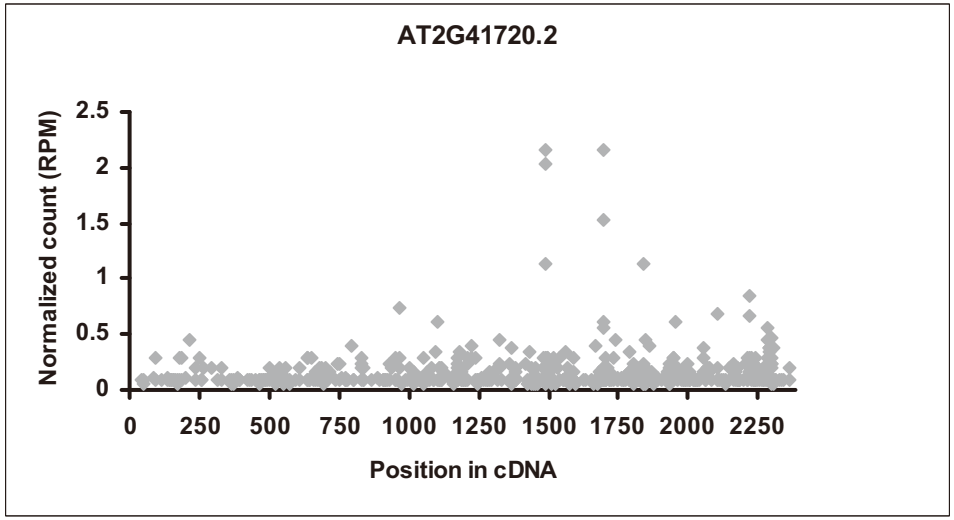

ath-miR397a/b
TWF
Tx4F
Normalized count (RPM)
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
729 739 749 759 769 779 789
Position in cDNA

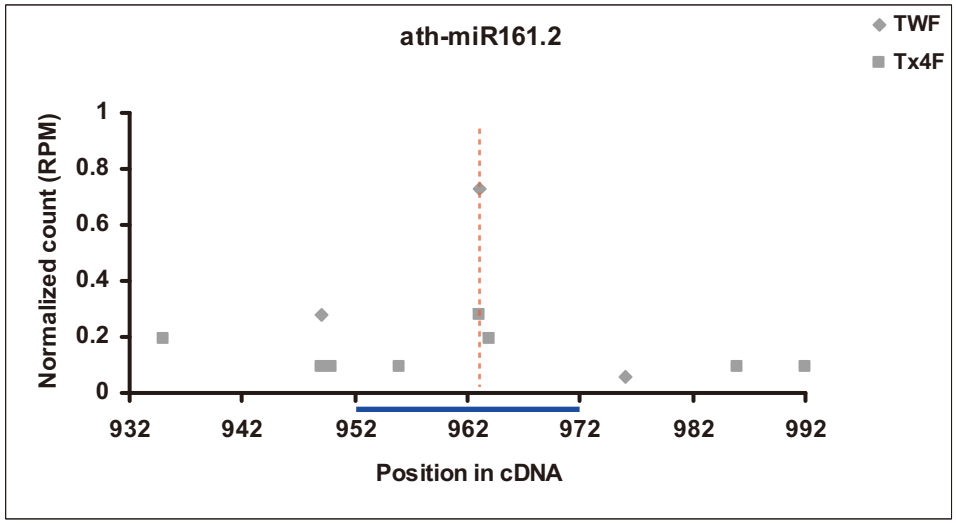

AT2G39250.1
Normalized count (RPM)
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 120 240 360 480 600 720 840 960 1080 1200
Position in cDNA

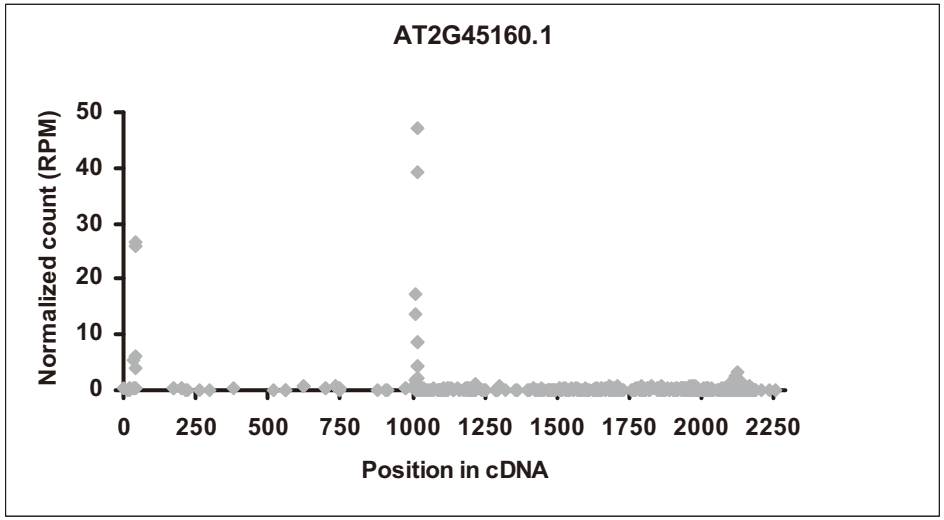

ath-miR172a/b/c/d/e
TWF
Tx4F
Normalized count (RPM)
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
1024 1034 1044 1054 1064 1074 1084
Position in cDNA

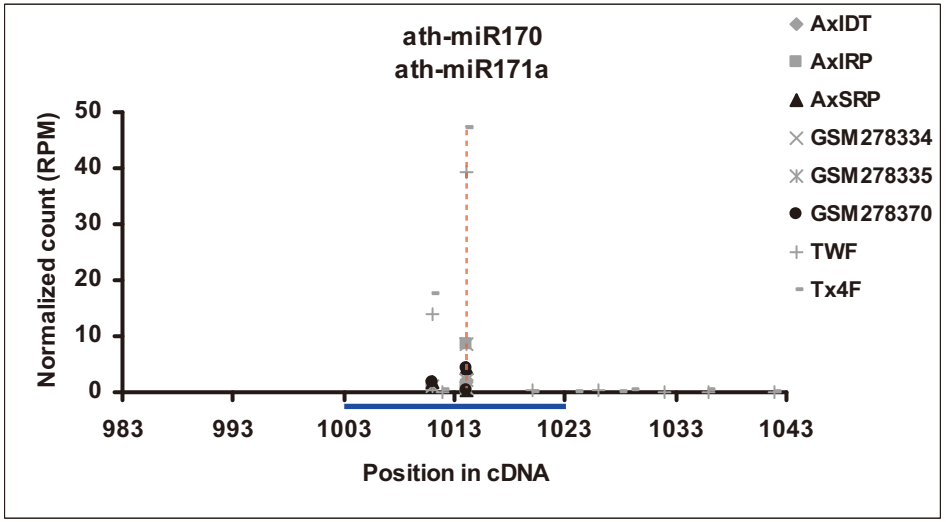

AT2G41720.1
Normalized count (RPM)
2.5
2
1.5
1
0.5
0
0 250 500 750 1000 1250 1500 1750 2000 2250 2500
Position in cDNA

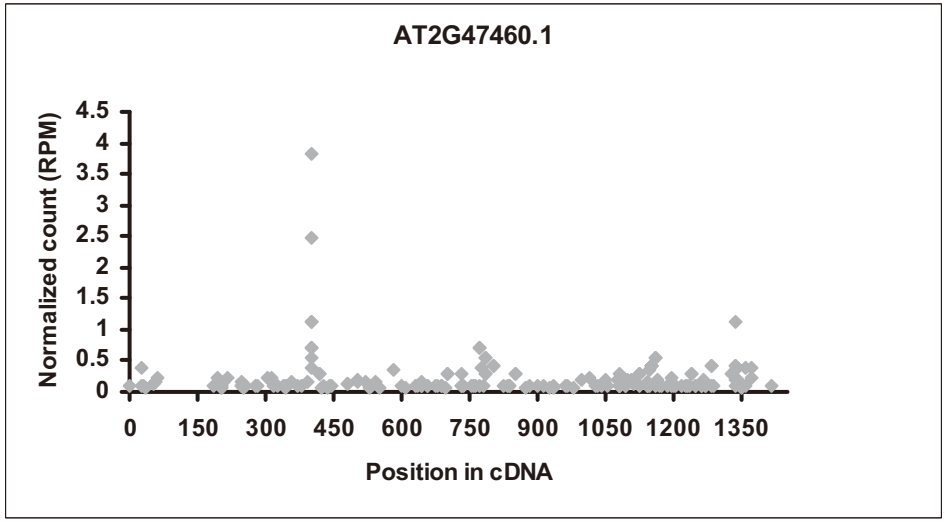

ath-miR161.2
TWF
Tx4F
Normalized count (RPM)
1
0.8
0.6
0.4
0.2
0
1262 1272 1282 1292 1302 1312 1322
Position in cDNA

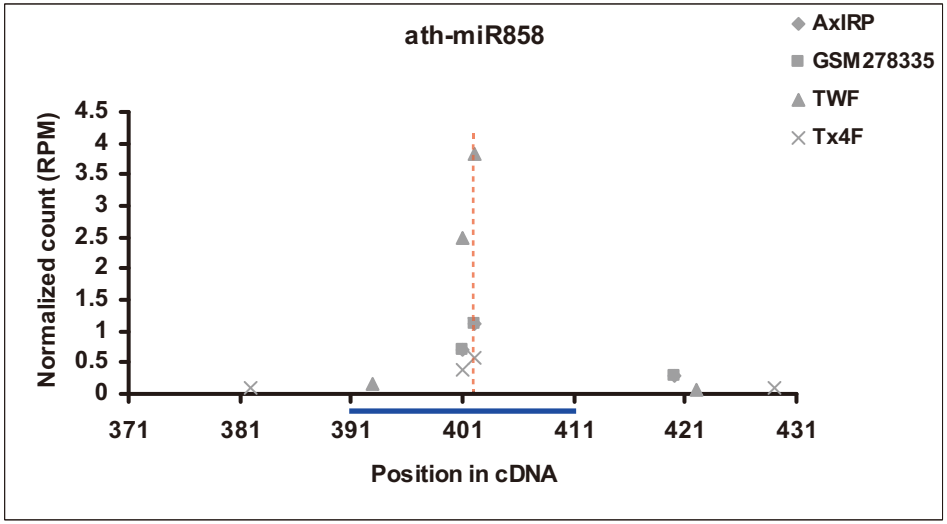

AT2G41720.2
Normalized count (RPM)
2.5
2
1.5
1
0.5
0
0 250 500 750 1000 1250 1500 1750 2000 2250
Position in cDNA

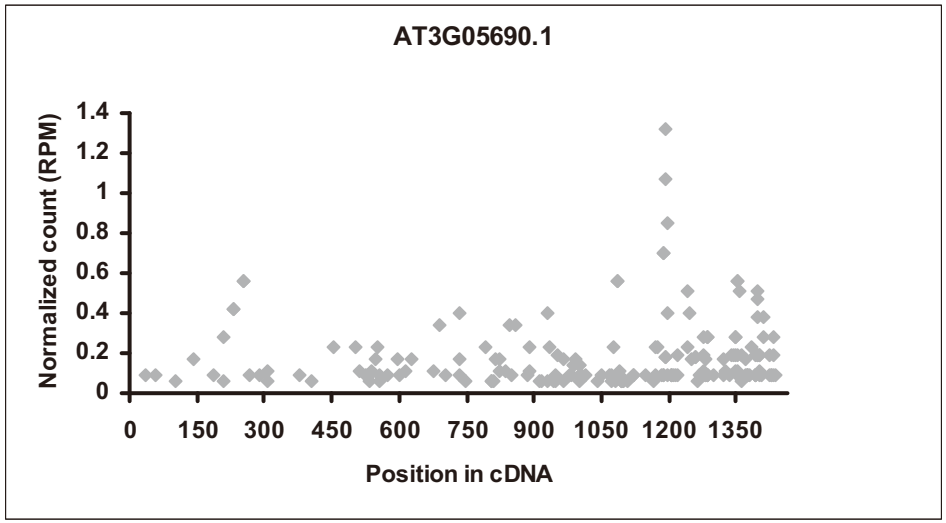

ath-miR161.2
TWF
Tx4F
Normalized count (RPM)
1
0.8
0.6
0.4
0.2
0
932 942 952 962 972 982 992
Position in cDNA

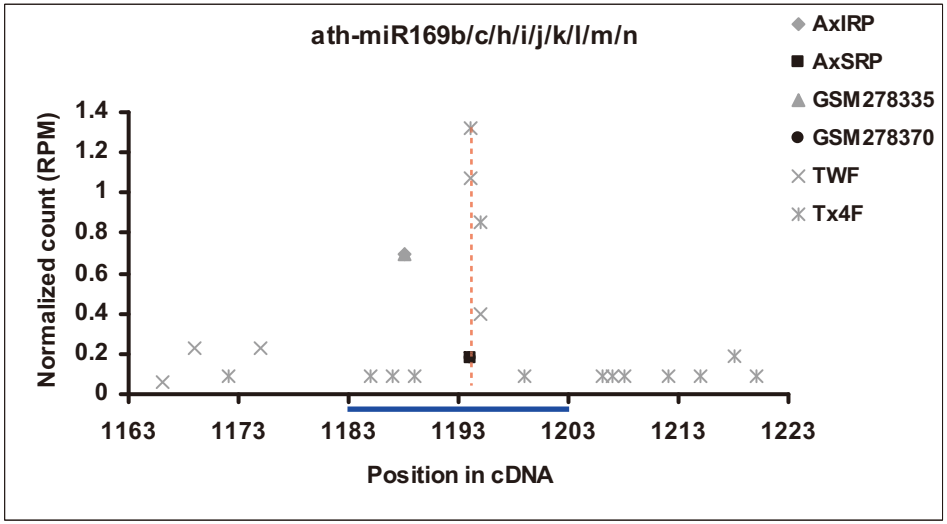

AT2G45160.1
Normalized count (RPM)
50
40
30
20
10
0
0
250
500
750
1000
1250
1500
1750
2000
2250
Position in cDNA

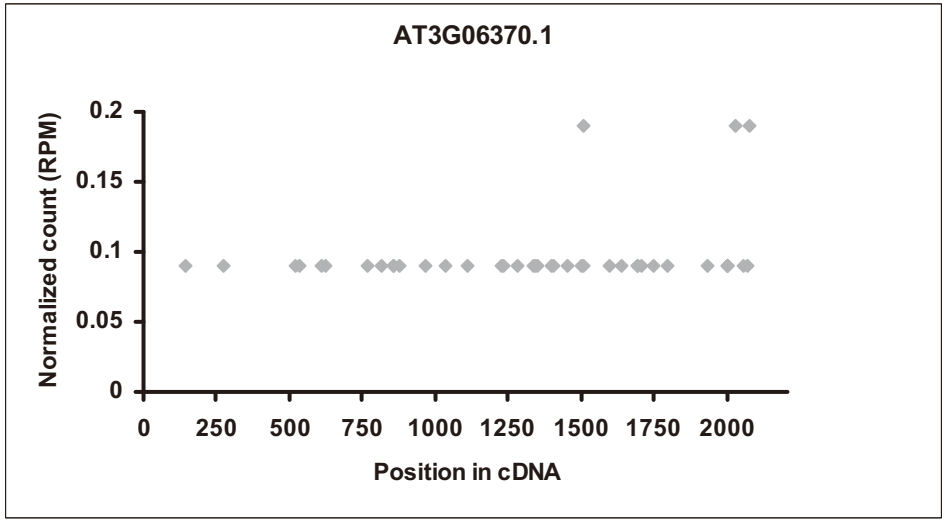

ath-miR170
ath-miR171a
AxIDT
AxIRP
AxSRP
GSM278334
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
50
40
30
20
10
0
983
993
1003
1013
1023
1033
1043
Position in cDNA

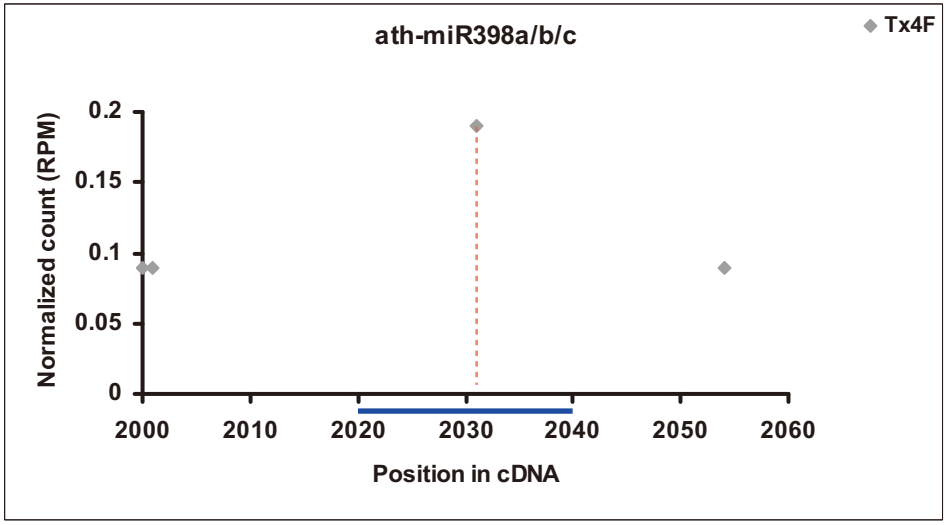

AT2G47460.1
Normalized count (RPM)
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
0
150
300
450
600
750
900
1050
1200
1350
Position in cDNA

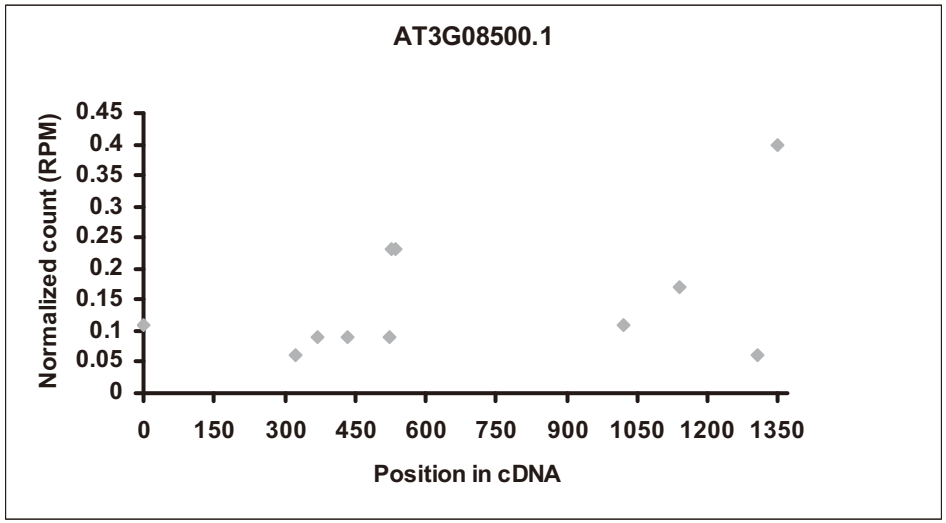

ath-miR858
AxIRP
GSM278335
TWF
Tx4F
Normalized count (RPM)
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
371
381
391
401
411
421
431
Position in cDNA

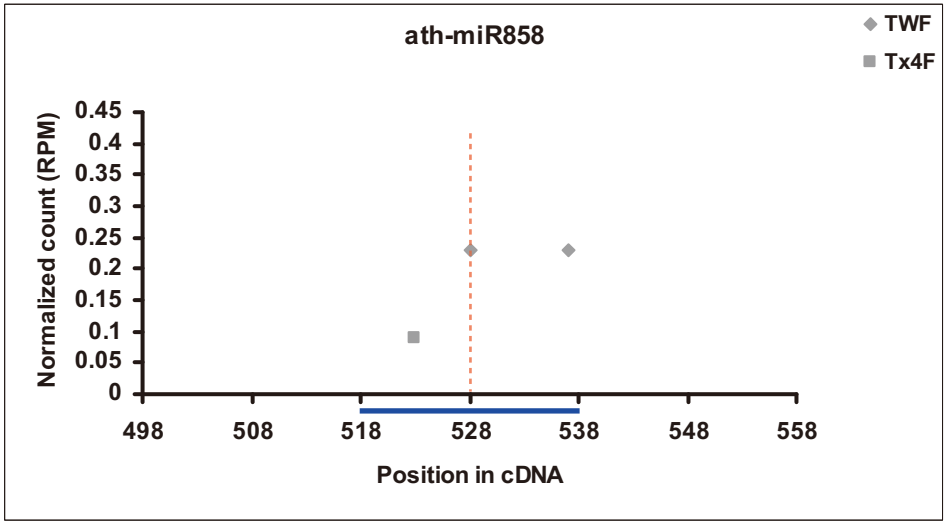

AT3G05690.1
Normalized count (RPM)
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
150
300
450
600
750
900
1050
1200
1350
Position in cDNA

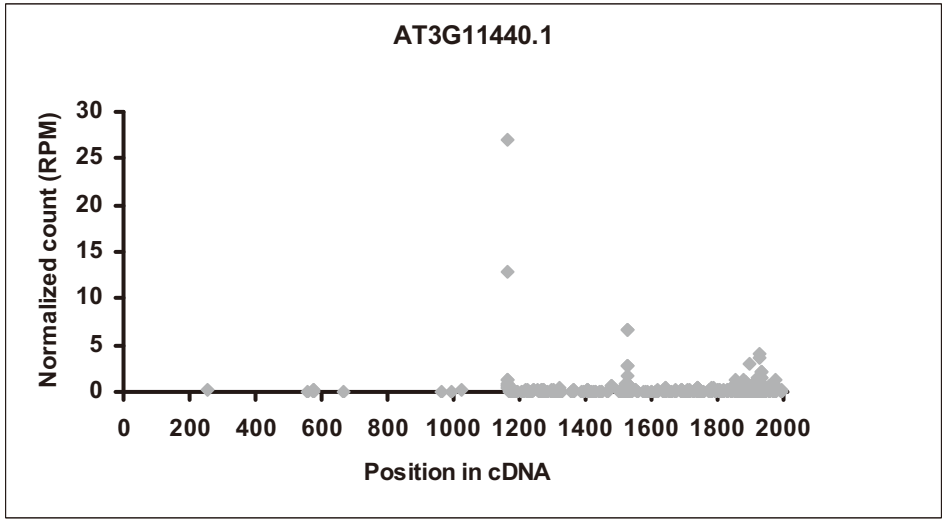

ath-miR169b/c/h/i/j/k/l/m/n
AxIRP
AxSRP
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
1.4
1.2
1
0.8
0.6
0.4
0.2
0
1163
1173
1183
1193
1203
1213
1223
Position in cDNA

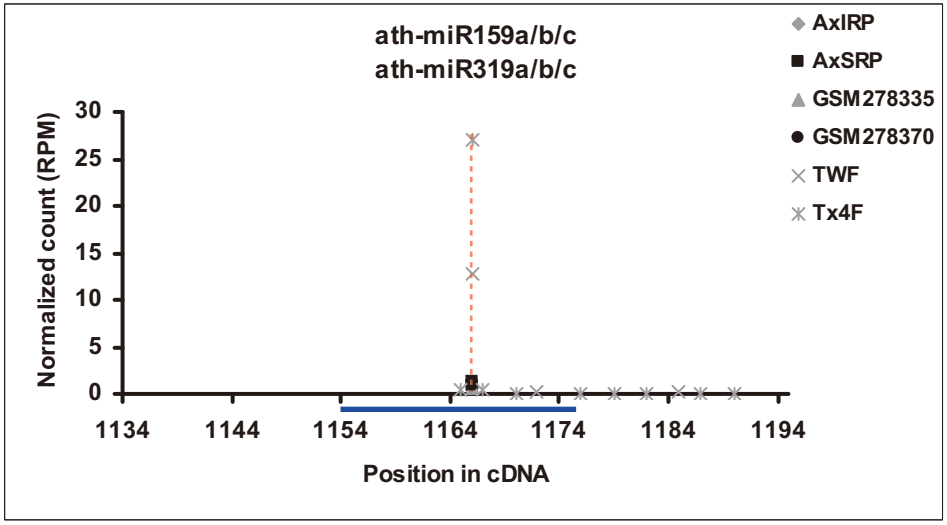

AT3G06370.1
Normalized count (RPM)
0.2
0.15
0.1
0.05
0
0
250
500
750
1000
1250
1500
1750
2000
Position in cDNA

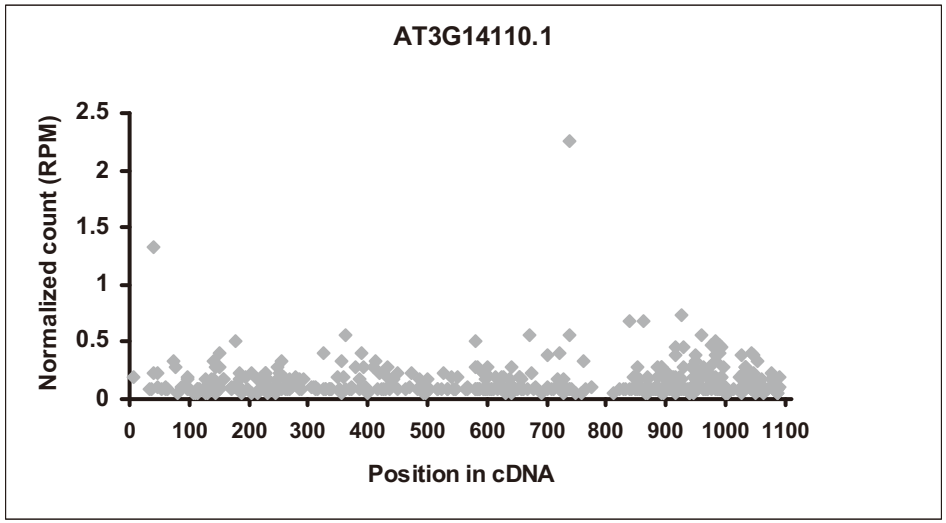

ath-miR398a/b/c
Tx4F
Normalized count (RPM)
0.2
0.15
0.1
0.05
0
2000
2010
2020
2030
2040
2050
2060
Position in cDNA

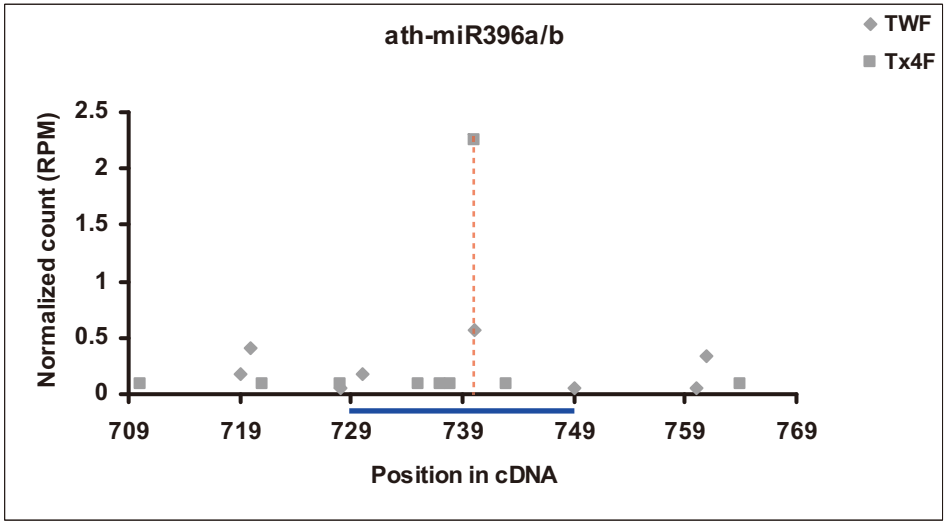

AT3G08500.1
Normalized count (RPM)
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0
150
300
450
600
750
900
1050
1200
1350
Position in cDNA

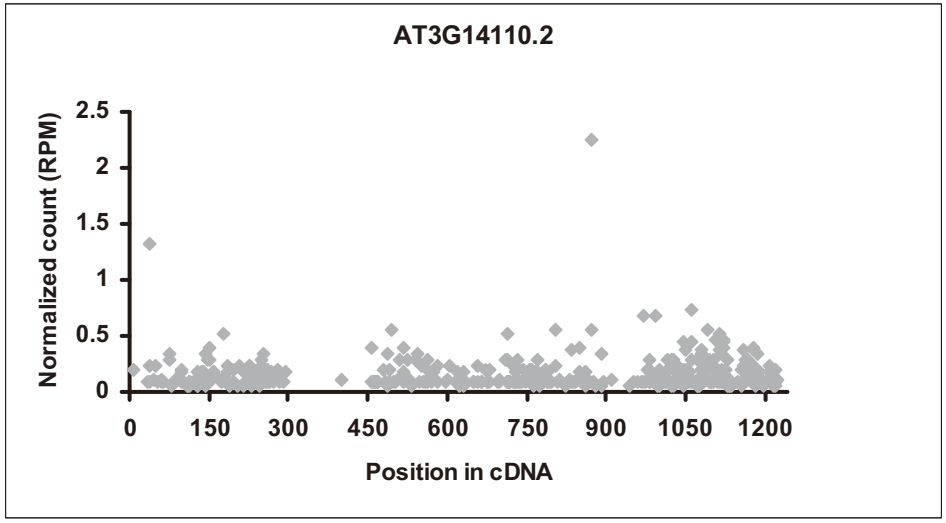

ath-miR858
TWF
Tx4F
Normalized count (RPM)
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
498
508
518
528
538
548
558
Position in cDNA

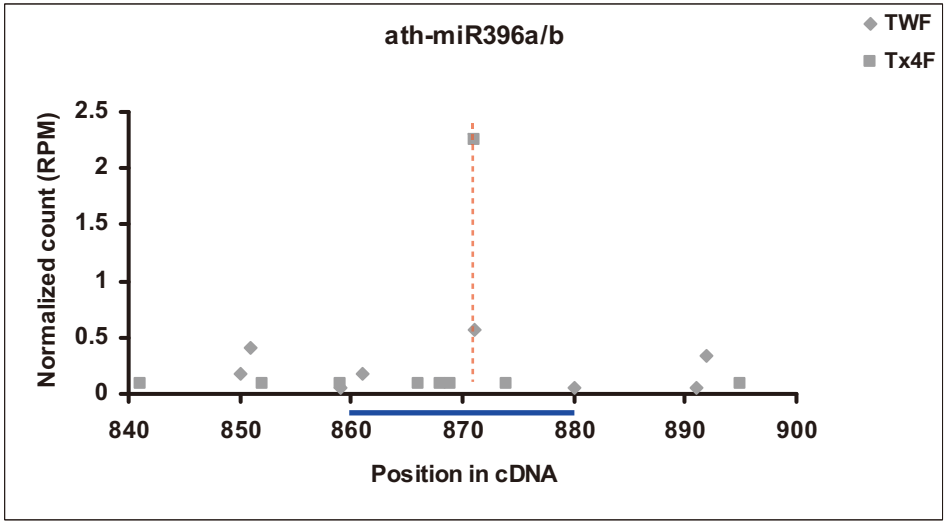

AT3G11440.1
Normalized count (RPM)
30
25
20
15
10
5
0
0
200
400
600
800
1000
1200
1400
1600
1800
2000
Position in cDNA

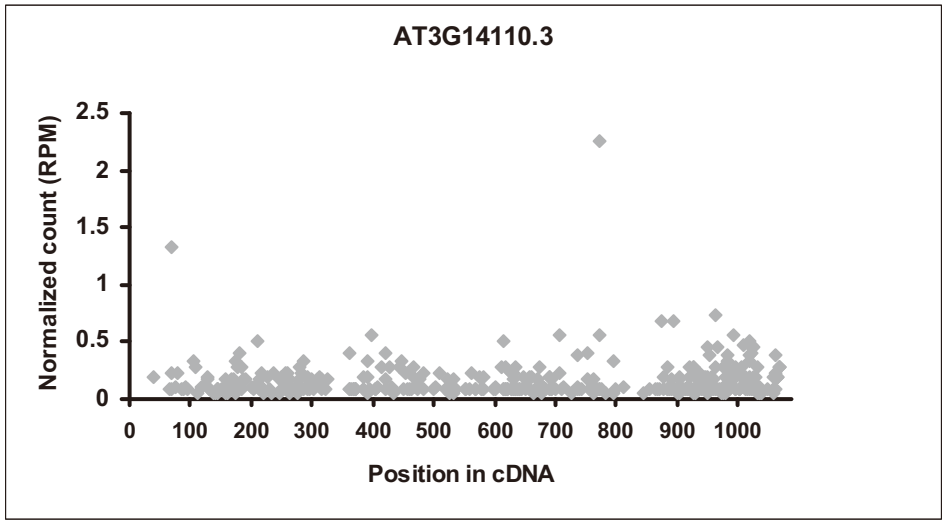

ath-miR159a/b/c
ath-miR319a/b/c
AxIRP
AxSRP
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
30
25
20
15
10
5
0
1134
1144
1154
1164
1174
1184
1194
Position in cDNA

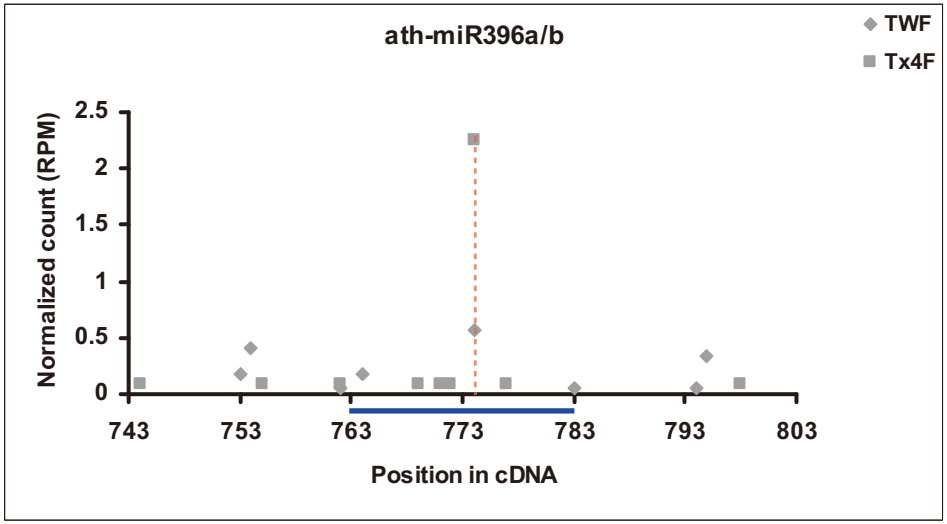

AT3G14110.1
Normalized count (RPM)
2.5
2
1.5
1
0.5
0
0
100
200
300
400
500
600
700
800
900
1000
1100
Position in cDNA

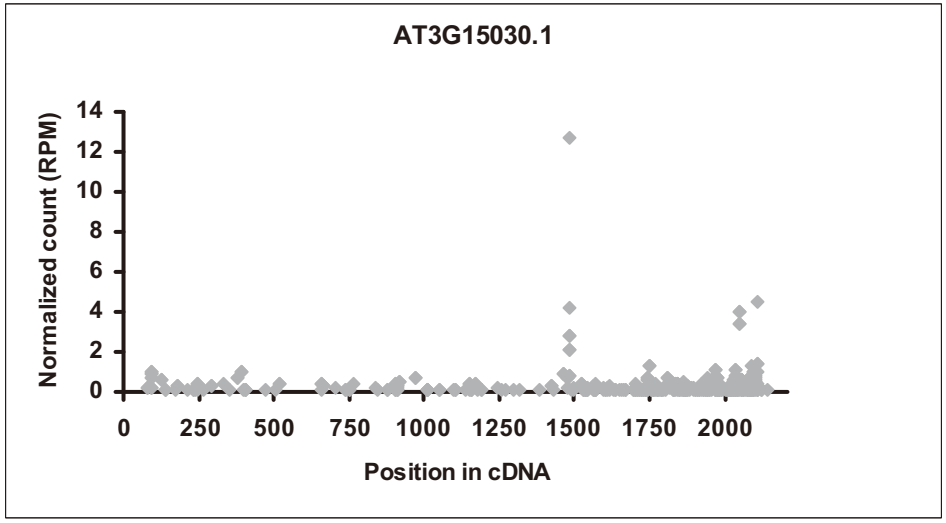

ath-miR396a/b
TWF
Tx4F
Normalized count (RPM)
2.5
2
1.5
1
0.5
0
709
719
729
739
749
759
769
Position in cDNA

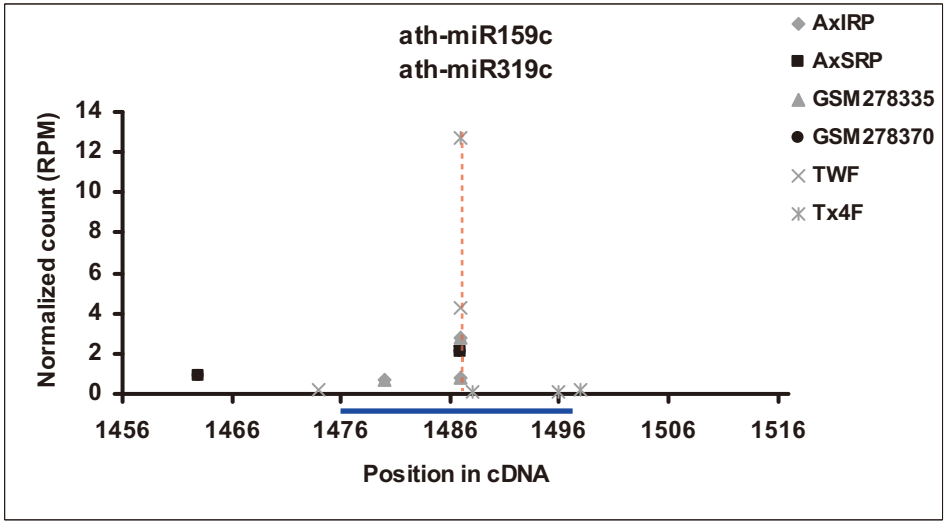

AT3G14110.2
Normalized count (RPM)
2.5
2
1.5
1
0.5
0
0
150
300
450
600
750
900
1050
1200
Position in cDNA

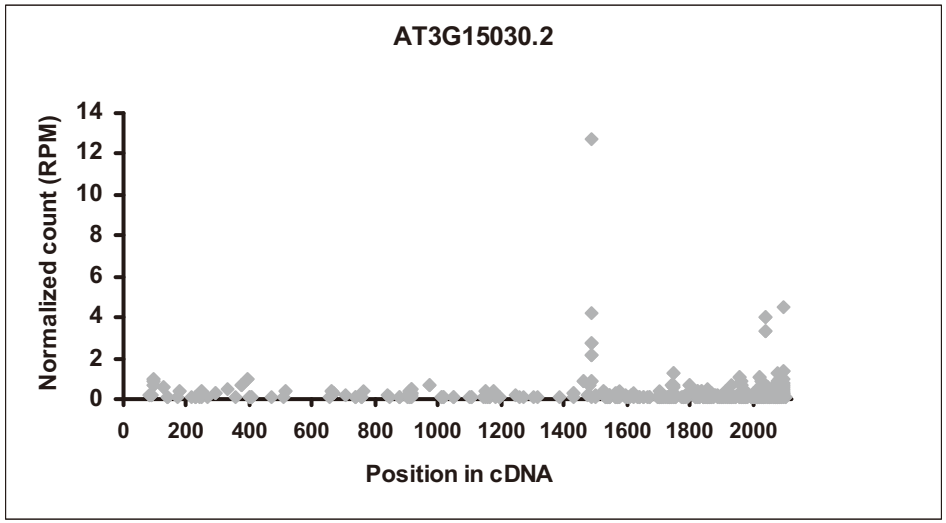

ath-miR396a/b
TWF
Tx4F
Normalized count (RPM)
2.5
2
1.5
1
0.5
0
840
850
860
870
880
890
900
Position in cDNA

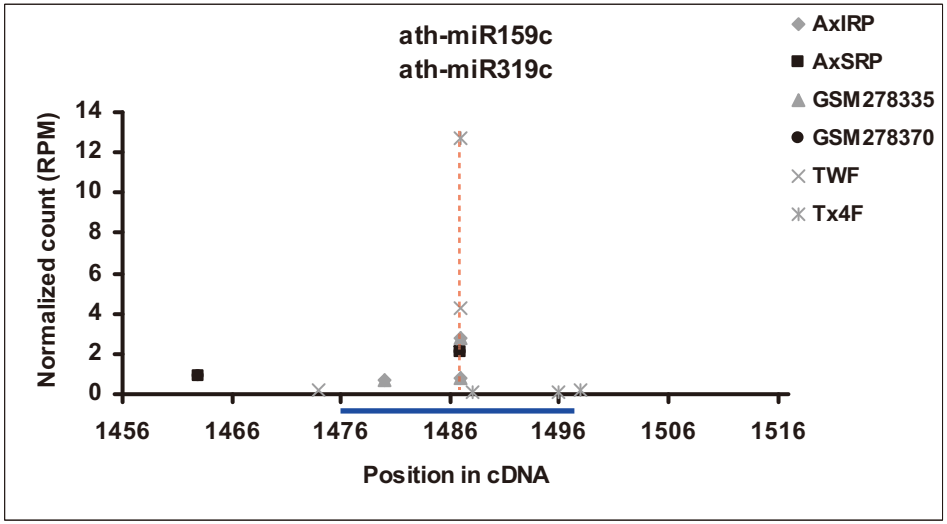

AT3G14110.3
Normalized count (RPM)
2.5
2
1.5
1
0.5
0
0
100
200
300
400
500
600
700
800
900
1000
Position in cDNA

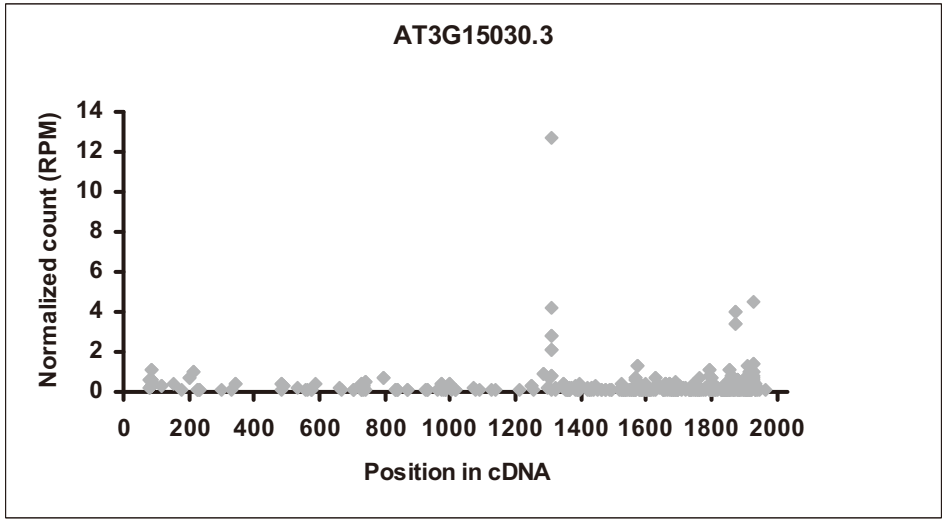

ath-miR396a/b
TWF
Tx4F
Normalized count (RPM)
2.5
2
1.5
1
0.5
0
743
753
763
773
783
793
803
Position in cDNA

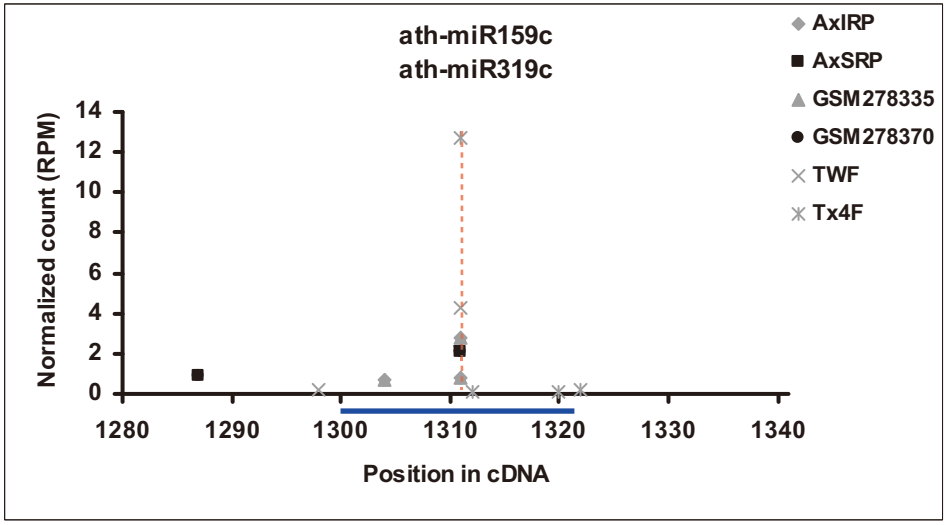

AT3G15030.1
Normalized count (RPM)
14
12
10
8
6
4
2
0
0
250
500
750
1000
1250
1500
1750
2000
Position in cDNA

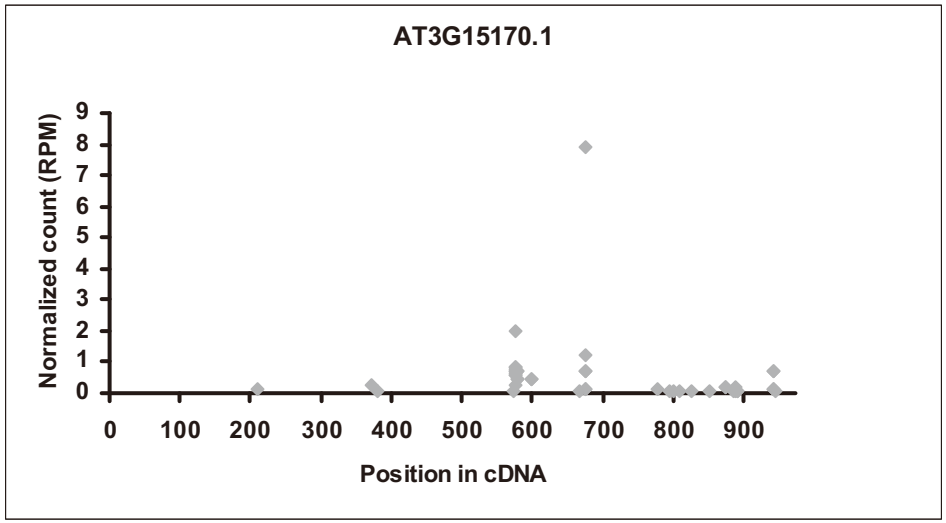

ath-miR159c
ath-miR319c
AxIRP
AxSRP
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
14
12
10
8
6
4
2
0
1456
1466
1476
1486
1496
1506
1516
Position in cDNA

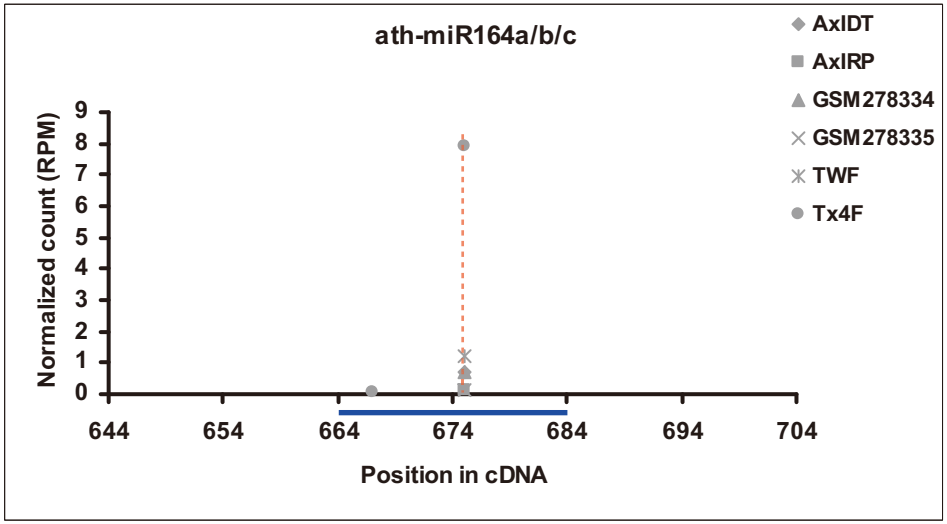

AT3G15030.2
Normalized count (RPM)
0
2
4
6
8
10
12
14
0
200
400
600
800
1000
1200
1400
1600
1800
2000
Position in cDNA

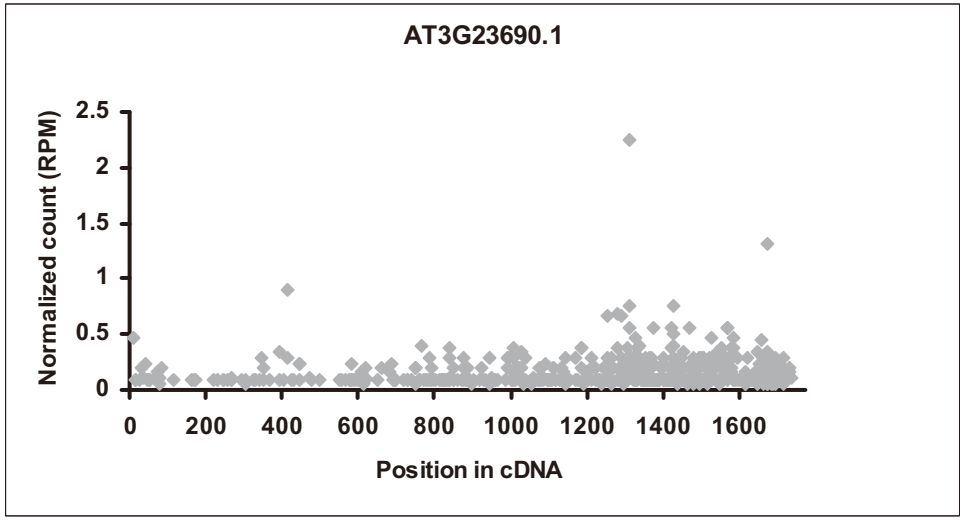

ath-miR159c
ath-miR319c
AxIRP
AxSRP
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
0
2
4
6
8
10
12
14
1456
1466
1476
1486
1496
1506
1516
Position in cDNA

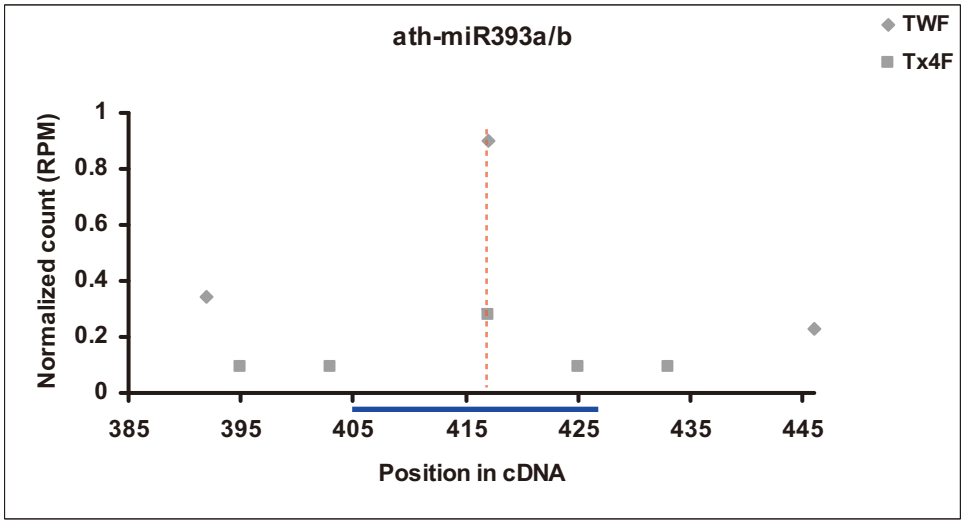

AT3G15030.3
Normalized count (RPM)
0
2
4
6
8
10
12
14
0
200
400
600
800
1000
1200
1400
1600
1800
2000
Position in cDNA

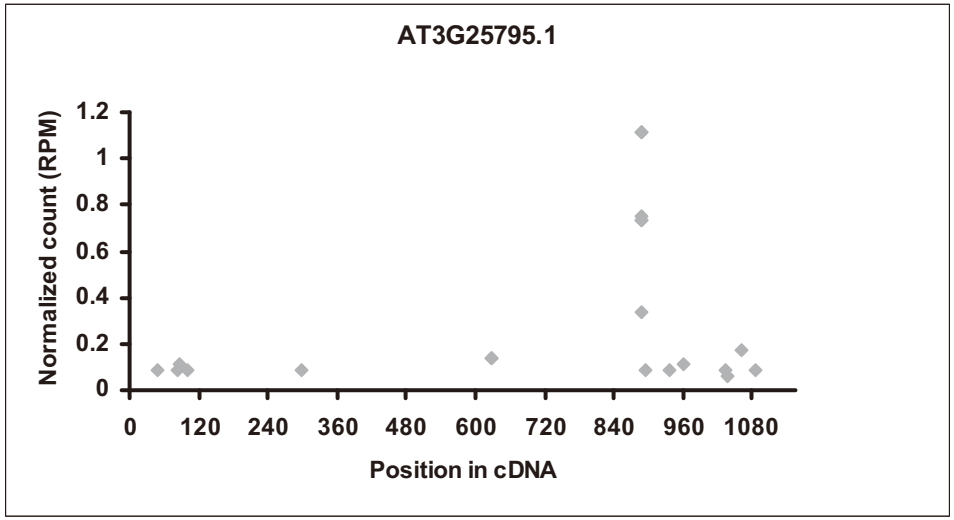

ath-miR159c
ath-miR319c
AxIRP
AxSRP
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
0
2
4
6
8
10
12
14
1280
1290
1300
1310
1320
1330
1340
Position in cDNA

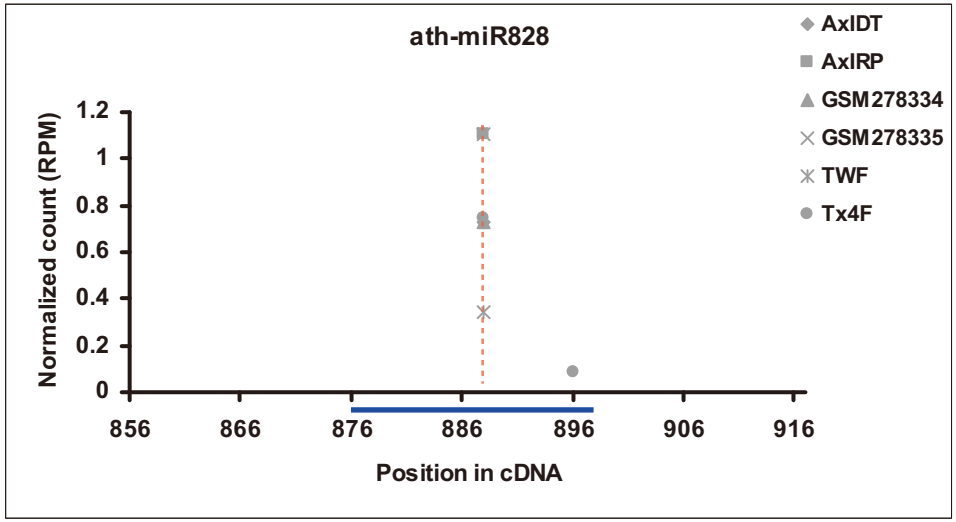

AT3G15170.1
Normalized count (RPM)
0
1
2
3
4
5
6
7
8
9
0
100
200
300
400
500
600
700
800
900
Position in cDNA

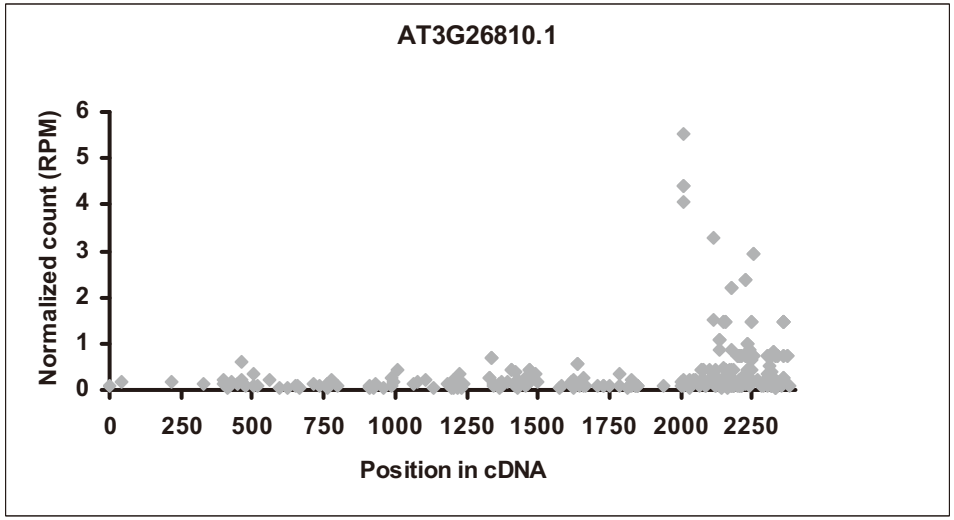

ath-miR164a/b/c
AxIDT
AxIRP
GSM278334
GSM278335
TWF
Tx4F
Normalized count (RPM)
0
1
2
3
4
5
6
7
8
9
644
654
664
674
684
694
704
Position in cDNA

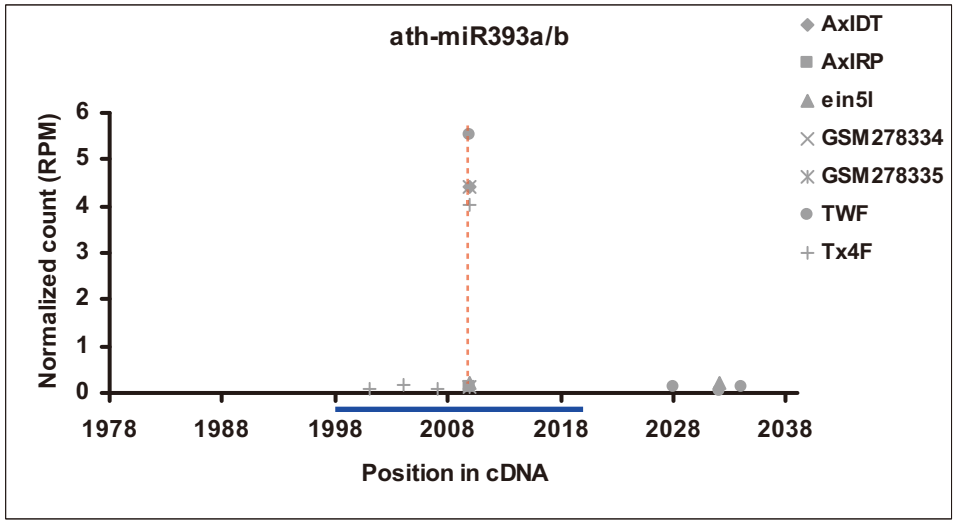

AT3G23690.1
Normalized count (RPM)
0
0.5
1
1.5
2
2.5
0
200
400
600
800
1000
1200
1400
1600
Position in cDNA

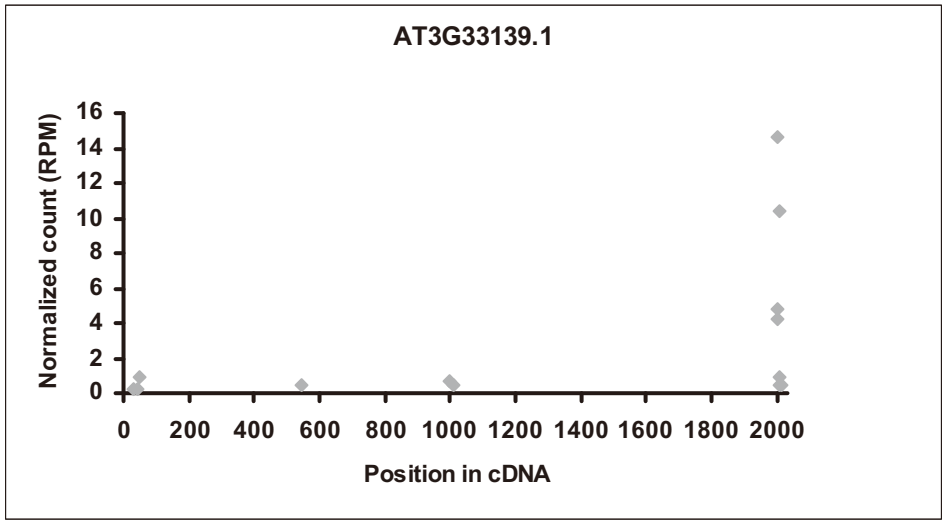

ath-miR393a/b
TWF
Tx4F
Normalized count (RPM)
0
0.2
0.4
0.6
0.8
1
385
395
405
415
425
435
445
Position in cDNA

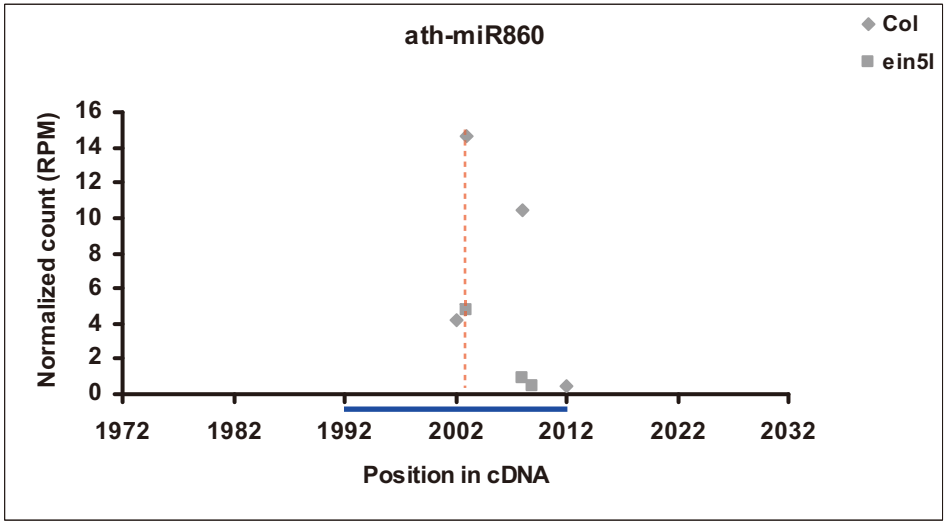

AT3G25795.1
Normalized count (RPM)
1.2
1
0.8
0.6
0.4
0.2
0
0
120
240
360
480
600
720
840
960
1080
Position in cDNA

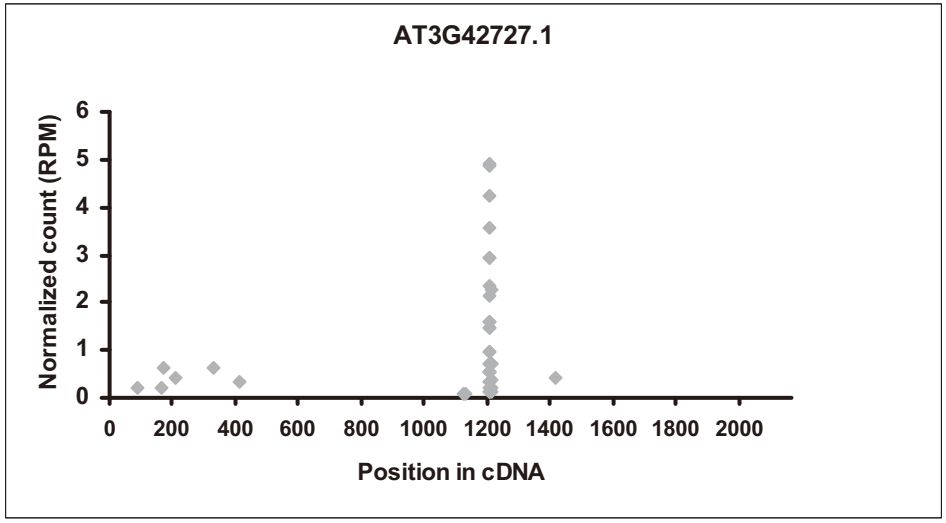

ath-miR828
AxIDT
AxIRP
GSM278334
GSM278335
TWF
Tx4F
Normalized count (RPM)
1.2
1
0.8
0.6
0.4
0.2
0
856
866
876
886
896
906
916
Position in cDNA

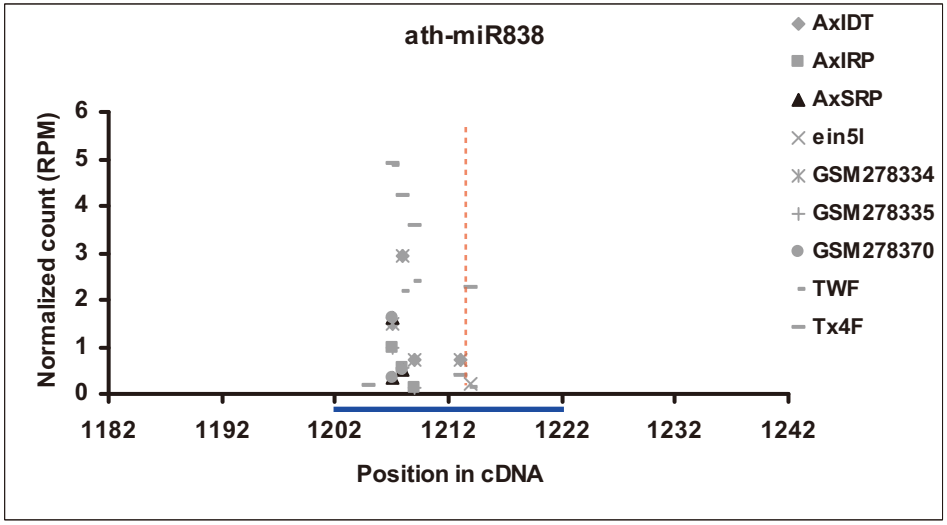

AT3G26810.1
Normalized count (RPM)
6
5
4
3
2
1
0
0
250
500
750
1000
1250
1500
1750
2000
2250
Position in cDNA

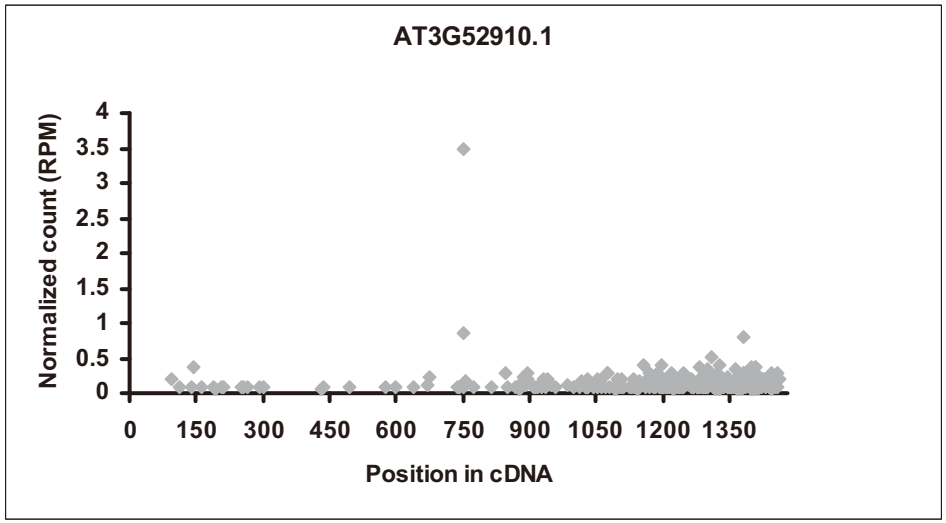

ath-miR393a/b
AxIDT
AxIRP
ein5I
GSM278334
GSM278335
TWF
Tx4F
Normalized count (RPM)
6
5
4
3
2
1
0
1978
1988
1998
2008
2018
2028
2038
Position in cDNA

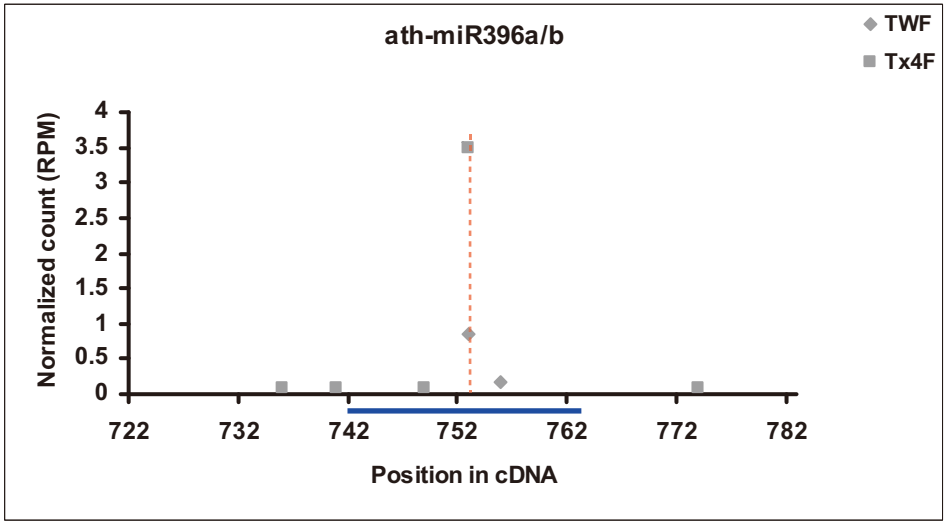

AT3G33139.1
Normalized count (RPM)
0
2
4
6
8
10
12
14
16
0
200
400
600
800
1000
1200
1400
1600
1800
2000
Position in cDNA

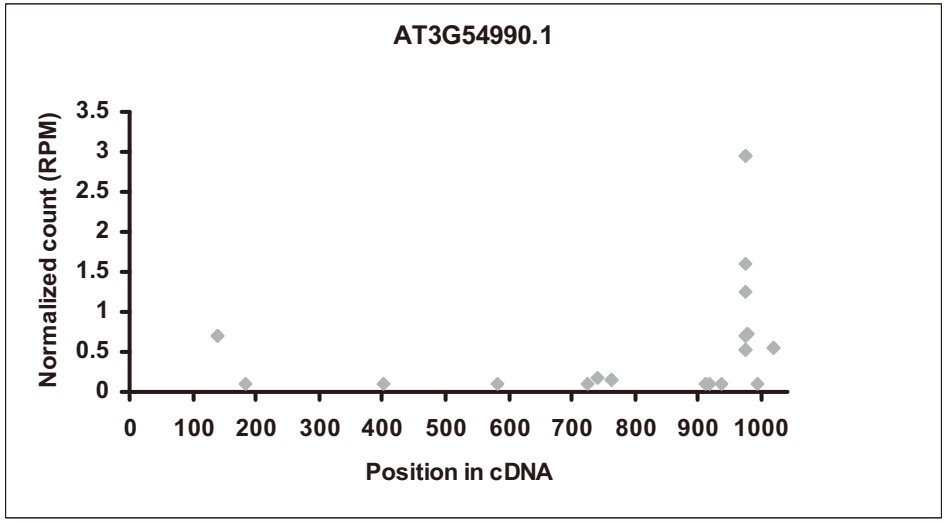

ath-miR860
Col
ein5l
Normalized count (RPM)
0
2
4
6
8
10
12
14
16
1972
1982
1992
2002
2012
2022
2032
Position in cDNA

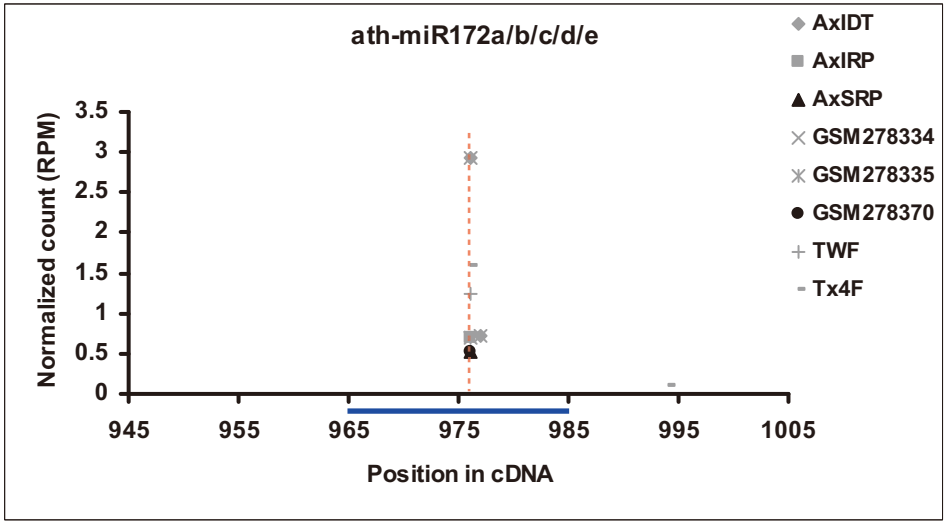

AT3G42727.1
Normalized count (RPM)
0
1
2
3
4
5
6
0
200
400
600
800
1000
1200
1400
1600
1800
2000
Position in cDNA

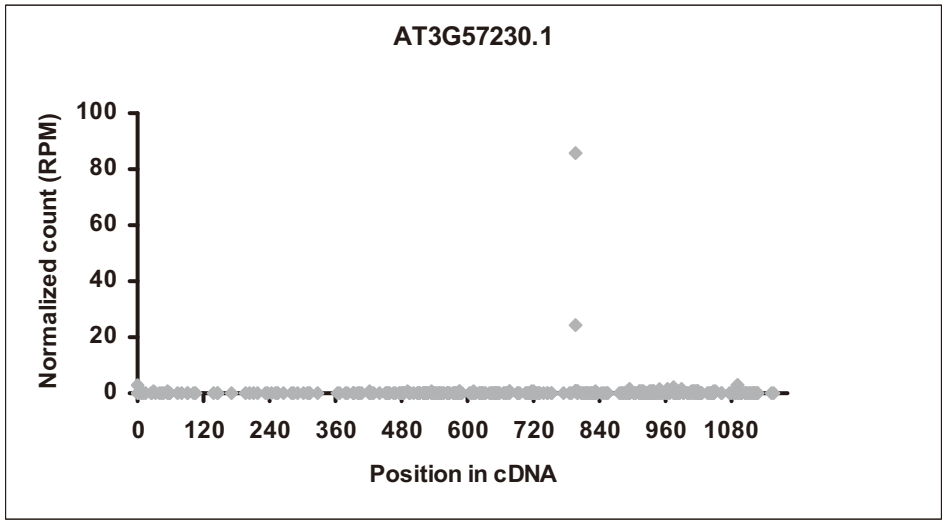

ath-miR838
AxIDT
AxIRP
AxSRP
ein5l
GSM278334
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
0
1
2
3
4
5
6
1182
1192
1202
1212
1222
1232
1242
Position in cDNA

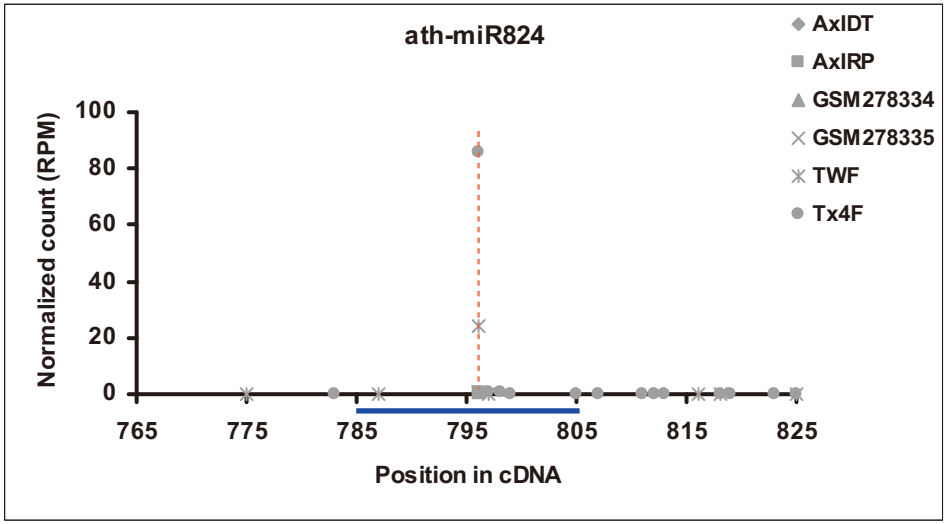

AT3G52910.1
Normalized count (RPM)
4
3.5
3
2.5
2
1.5
1
0.5
0
0
150
300
450
600
750
900
1050
1200
1350
Position in cDNA

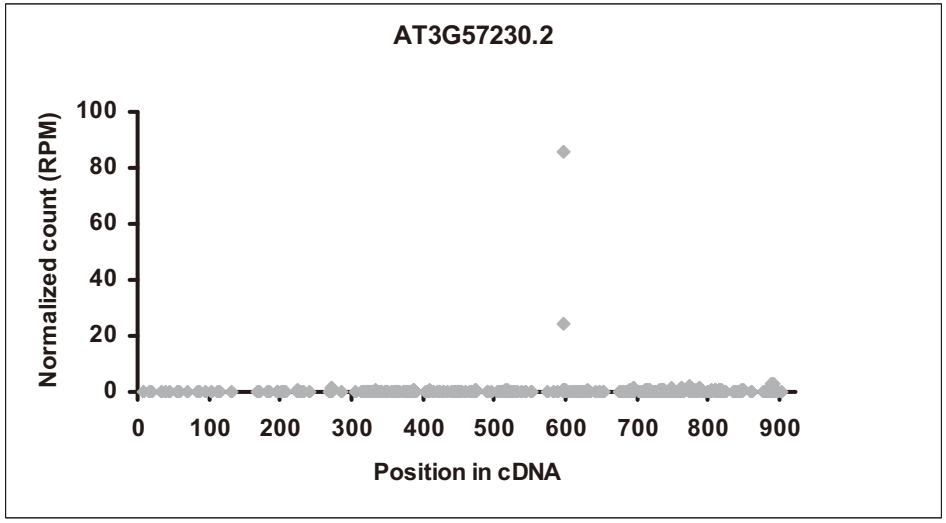

ath-miR396a/b
TWF
Tx4F
Normalized count (RPM)
4
3.5
3
2.5
2
1.5
1
0.5
0
722
732
742
752
762
772
782
Position in cDNA

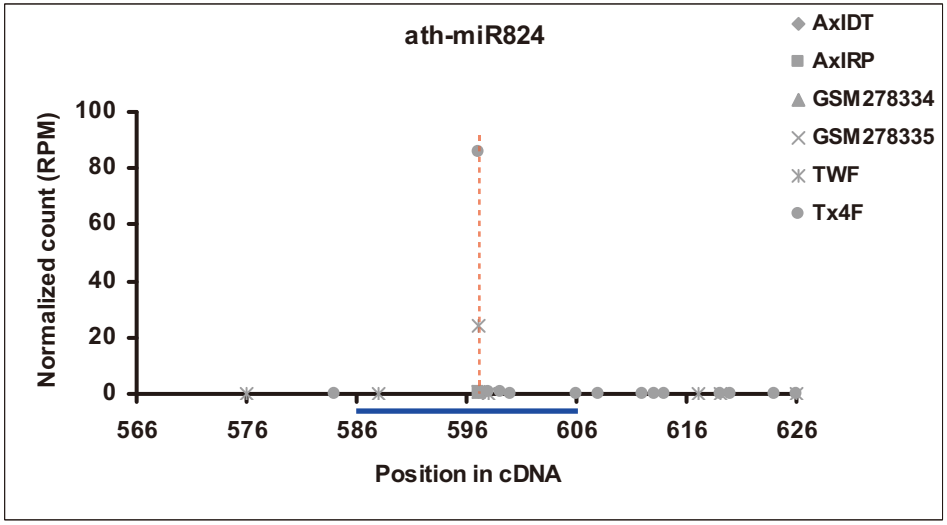

AT3G54990.1
Normalized count (RPM)
3.5
3
2.5
2
1.5
1
0.5
0
0
100
200
300
400
500
600
700
800
900
1000
Position in cDNA

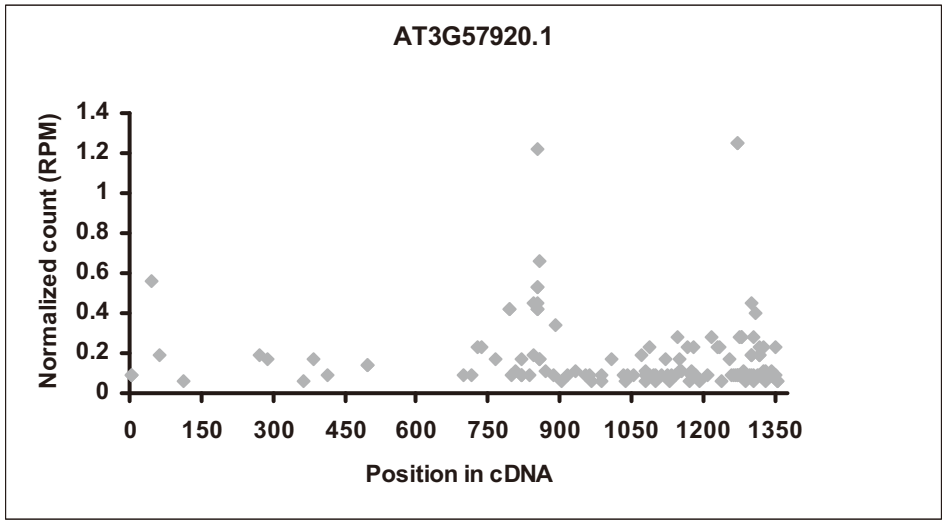

ath-miR172a/b/c/d/e
AxIDT
AxIRP
AxSRP
GSM278334
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
3.5
3
2.5
2
1.5
1
0.5
0
945
955
965
975
985
995
1005
Position in cDNA

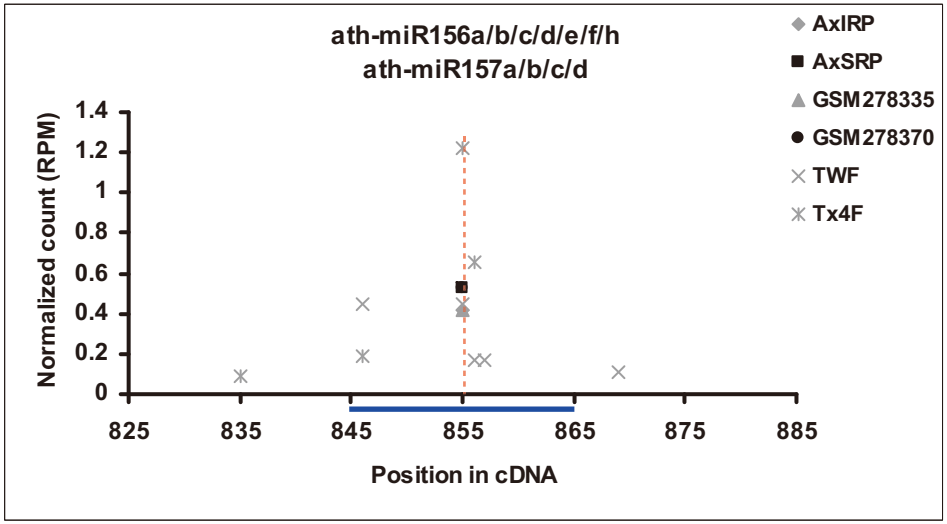

AT3G57230.1
Normalized count (RPM)
100
80
60
40
20
0
0
120
240
360
480
600
720
840
960
1080
Position in cDNA

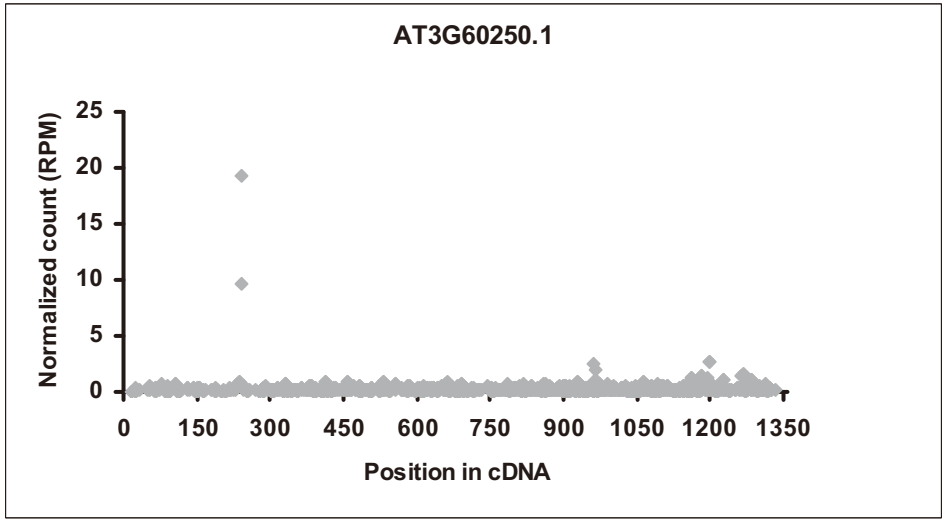

ath-miR824
AxIDT
AxIRP
GSM278334
GSM278335
TWF
Tx4F
Normalized count (RPM)
100
80
60
40
20
0
765
775
785
795
805
815
825
Position in cDNA

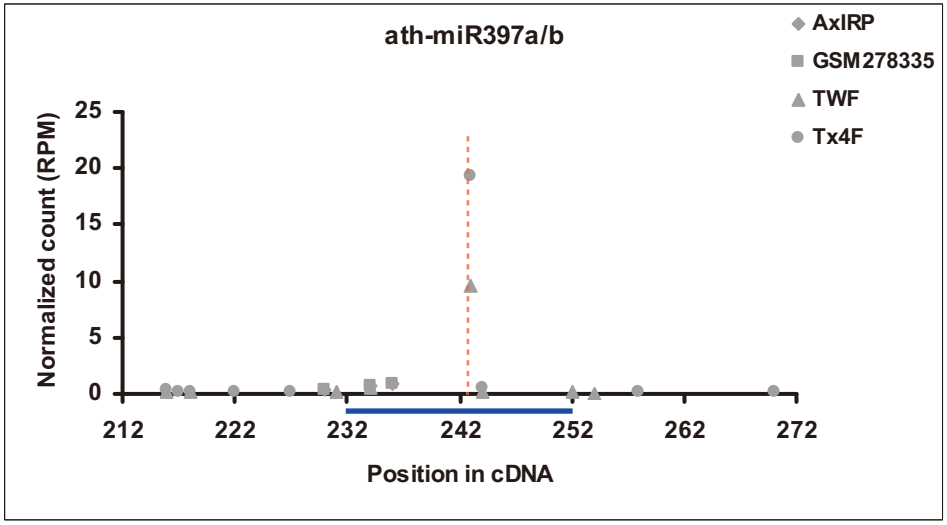

AT3G57230.2
Normalized count (RPM)
100
80
60
40
20
0
0
100
200
300
400
500
600
700
800
900
Position in cDNA

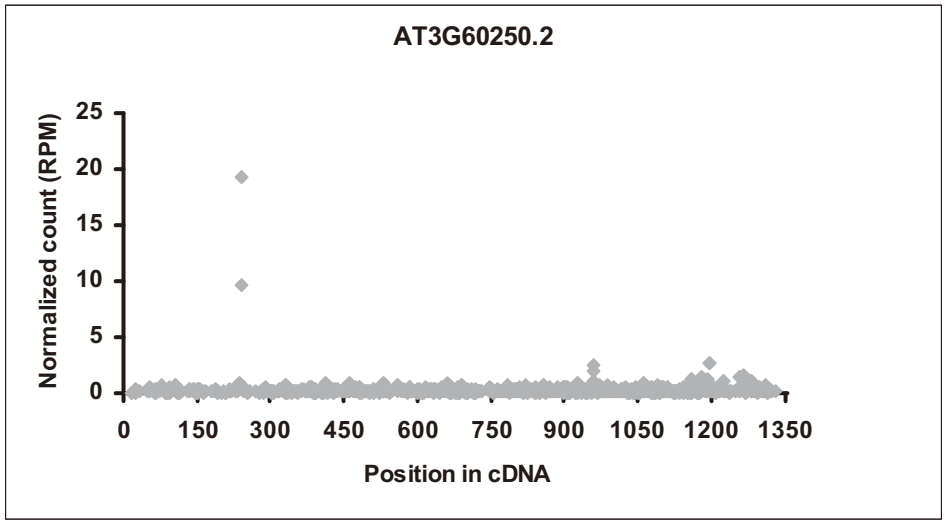

ath-miR824
AxIDT
AxIRP
GSM278334
GSM278335
TWF
Tx4F
Normalized count (RPM)
100
80
60
40
20
0
566
576
586
596
606
616
626
Position in cDNA

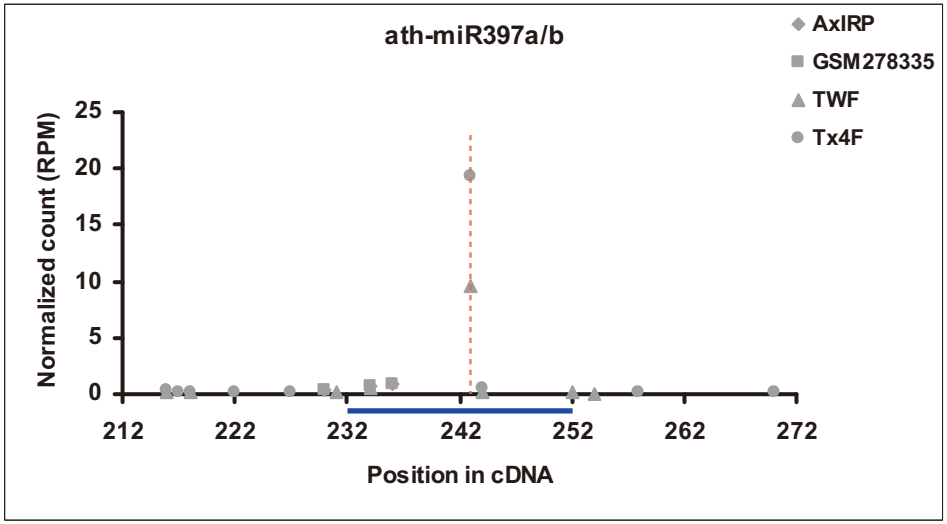

AT3G57920.1
Normalized count (RPM)
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
150
300
450
600
750
900
1050
1200
1350
Position in cDNA

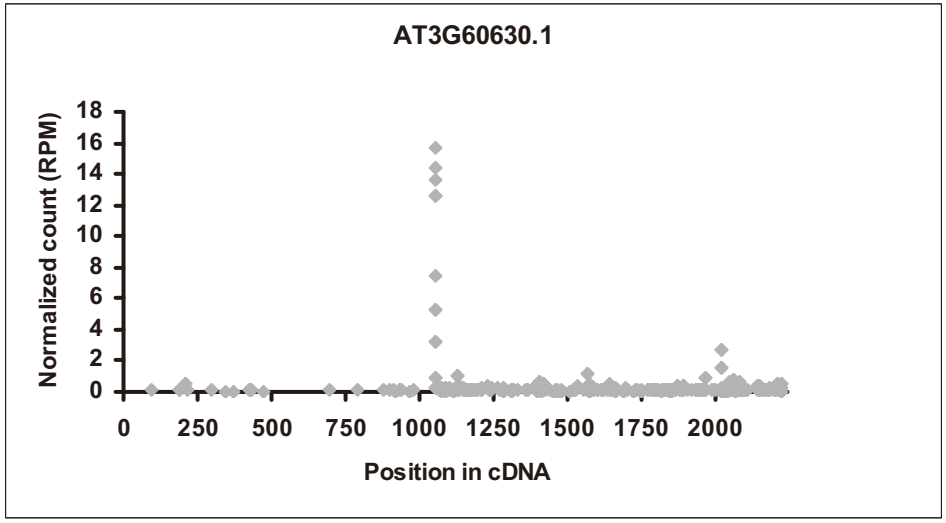

ath-miR156a/b/c/d/e/f/h
ath-miR157a/b/c/d
AxIRP
AxSRP
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
1.4
1.2
1
0.8
0.6
0.4
0.2
0
825
835
845
855
865
875
885
Position in cDNA

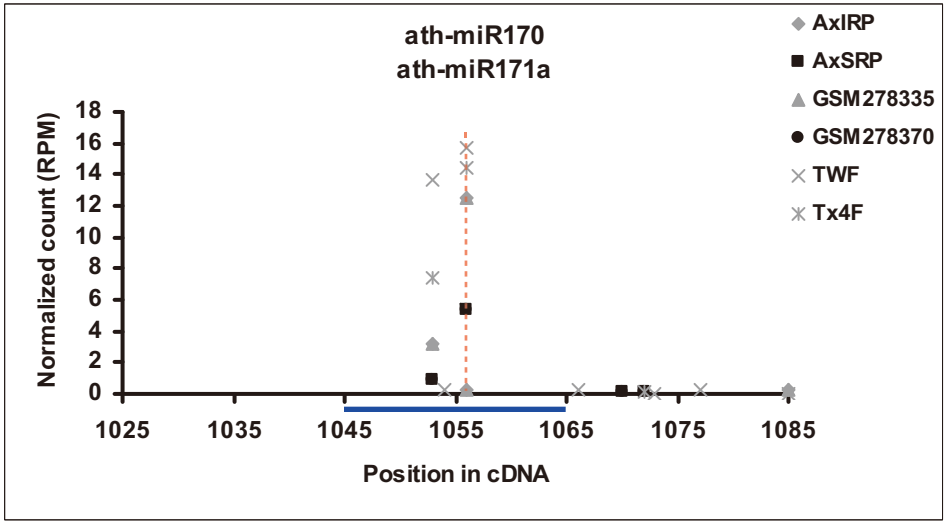

AT3G60250.1
Normalized count (RPM)
25
20
15
10
5
0
0
150
300
450
600
750
900
1050
1200
1350
Position in cDNA

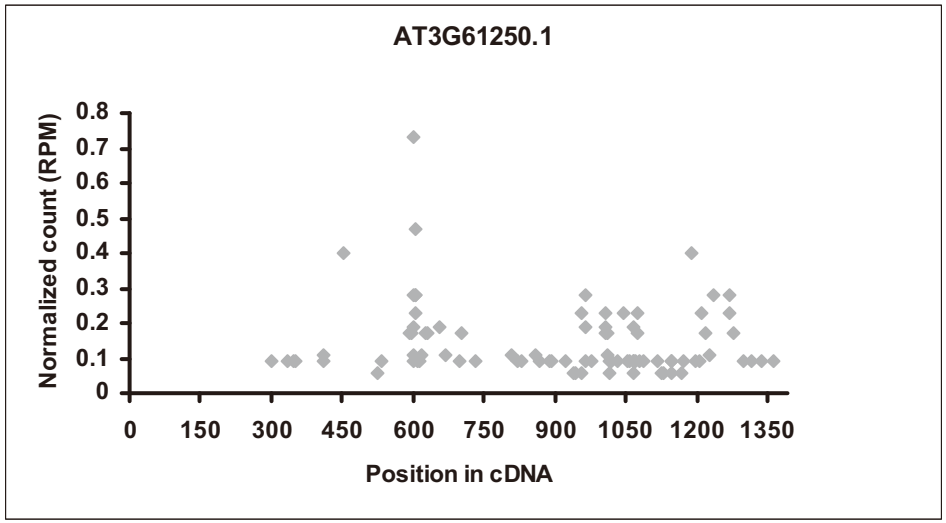

ath-miR397a/b
AxIRP
GSM278335
TWF
Tx4F
Normalized count (RPM)
25
20
15
10
5
0
212
222
232
242
252
262
272
Position in cDNA

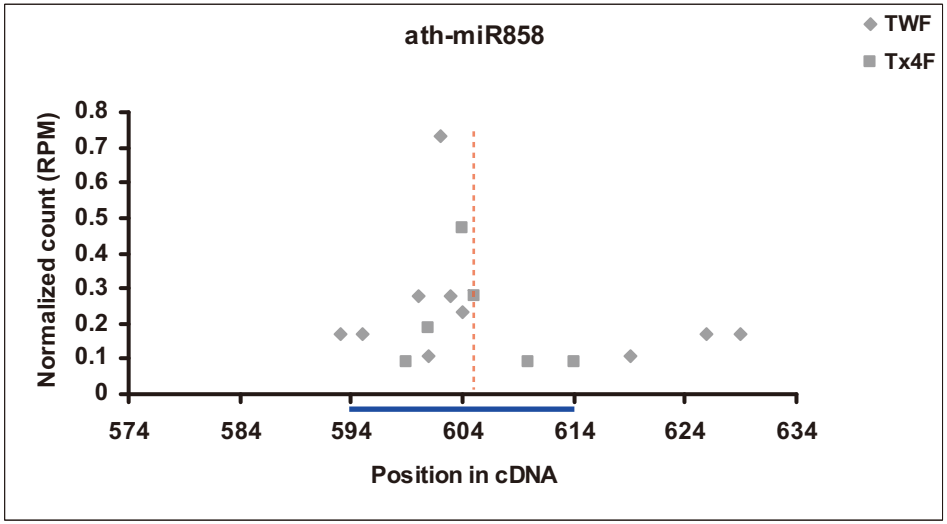

AT3G60250.2
Normalized count (RPM)
25
20
15
10
5
0
0
150
300
450
600
750
900
1050
1200
1350
Position in cDNA

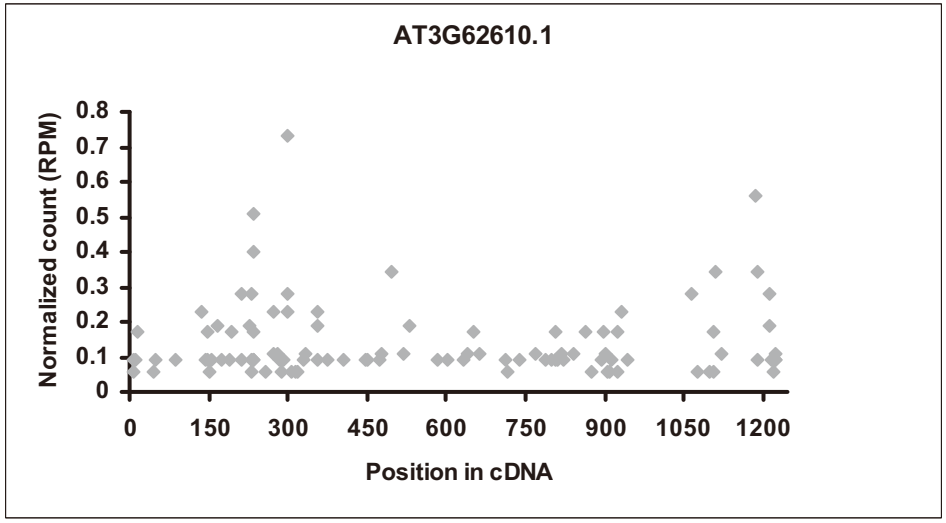

ath-miR397a/b
AxIRP
GSM278335
TWF
Tx4F
Normalized count (RPM)
25
20
15
10
5
0
212
222
232
242
252
262
272
Position in cDNA

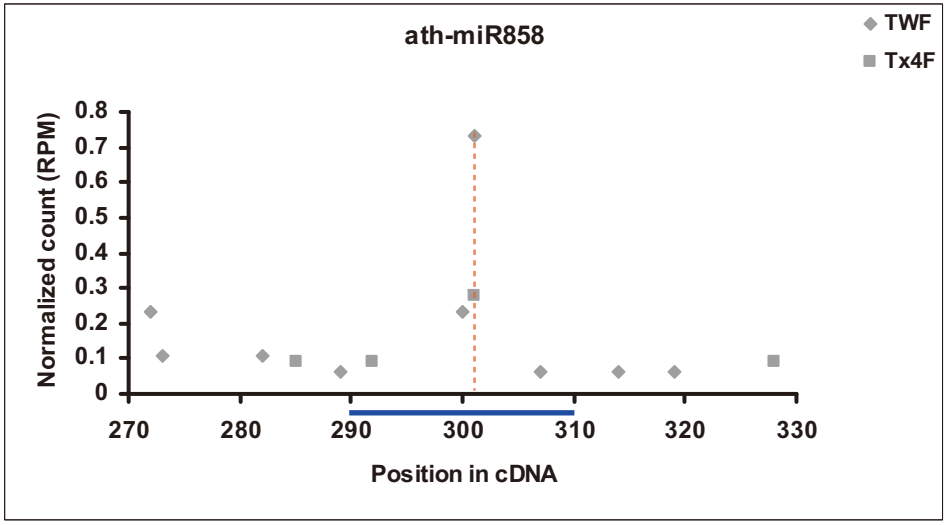

AT3G60630.1
Normalized count (RPM)
18
16
14
12
10
8
6
4
2
0
0
250
500
750
1000
1250
1500
1750
2000
Position in cDNA

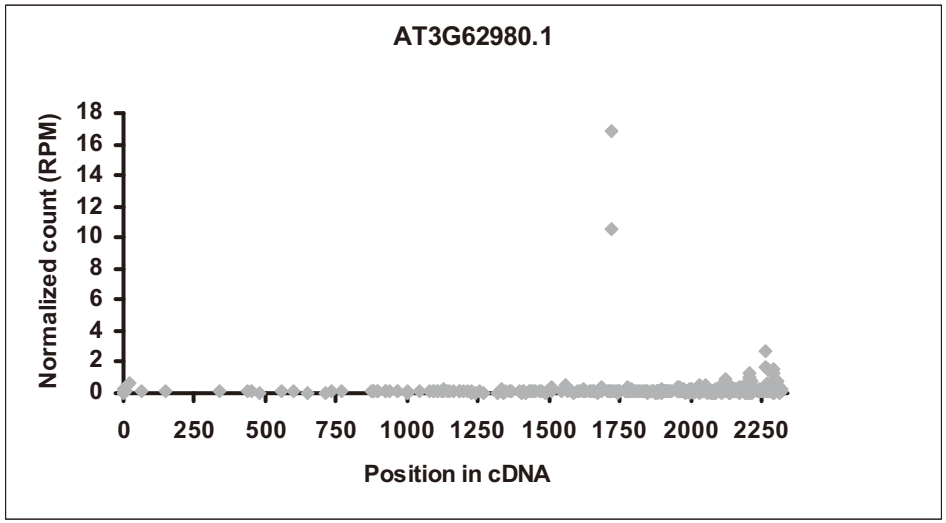

ath-miR170
ath-miR171a
AxIRP
AxSRP
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
18
16
14
12
10
8
6
4
2
0
1025
1035
1045
1055
1065
1075
1085
Position in cDNA

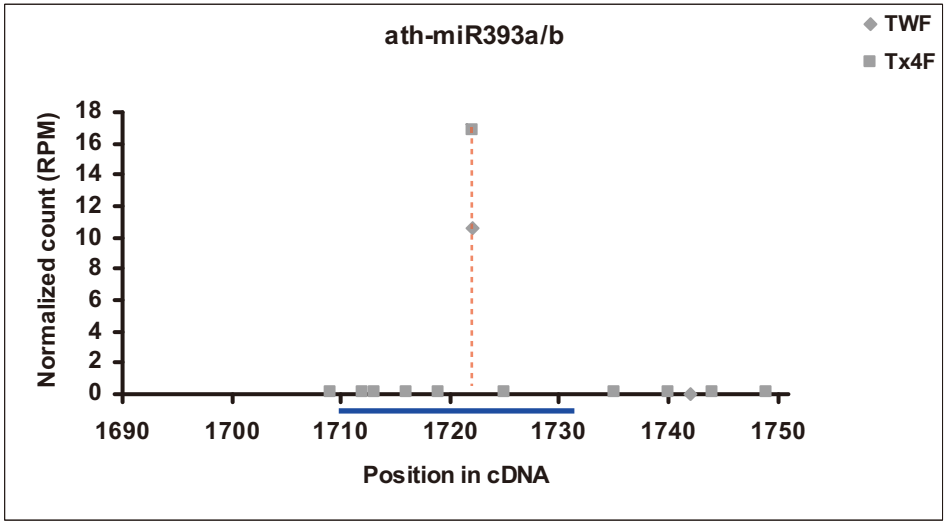

AT3G61250.1
Normalized count (RPM)
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
150
300
450
600
750
900
1050
1200
1350
Position in cDNA

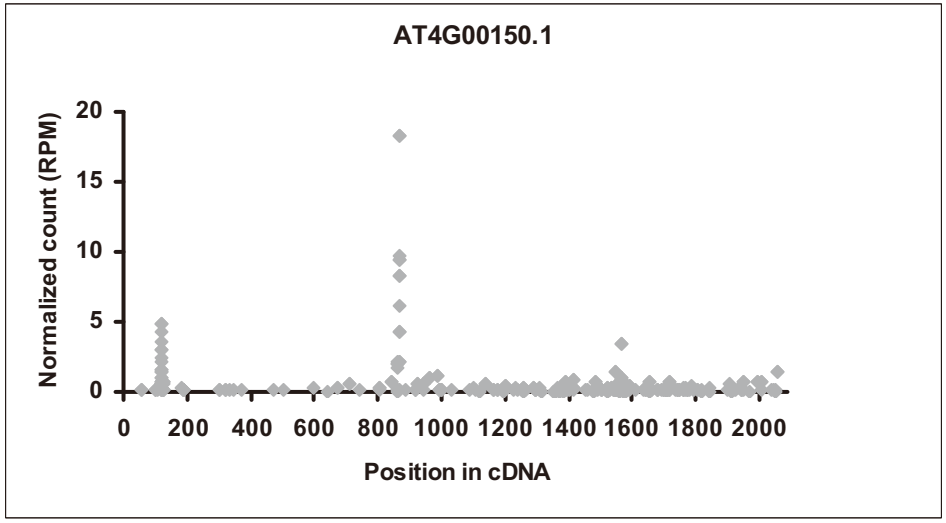

ath-miR858
TWF
Tx4F
Normalized count (RPM)
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
574
584
594
604
614
624
634
Position in cDNA

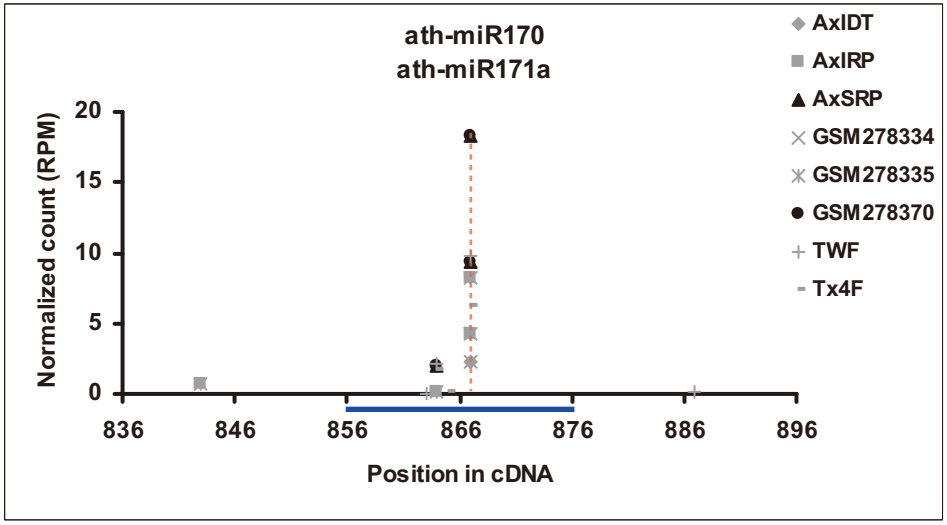

AT3G62610.1
Normalized count (RPM)
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
150
300
450
600
750
900
1050
1200
Position in cDNA

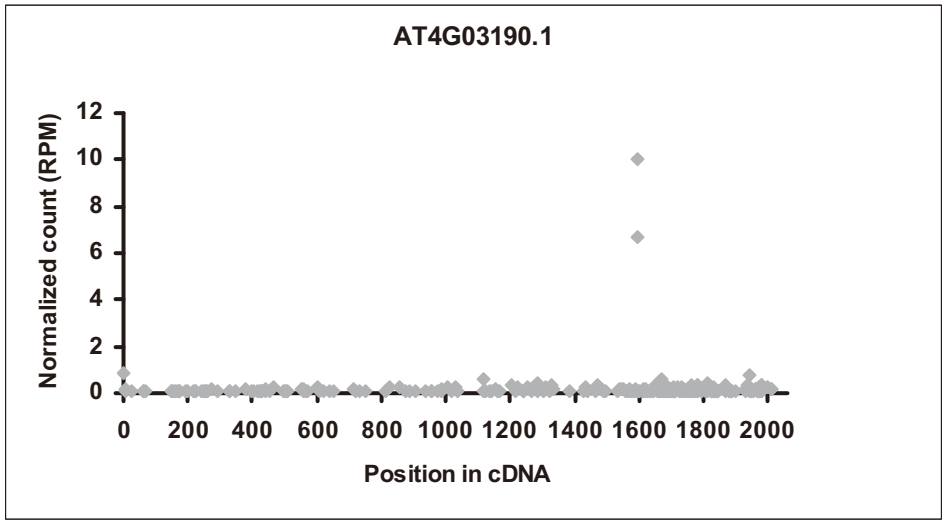

ath-miR858
TWF
Tx4F
Normalized count (RPM)
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
270
280
290
300
310
320
330
Position in cDNA

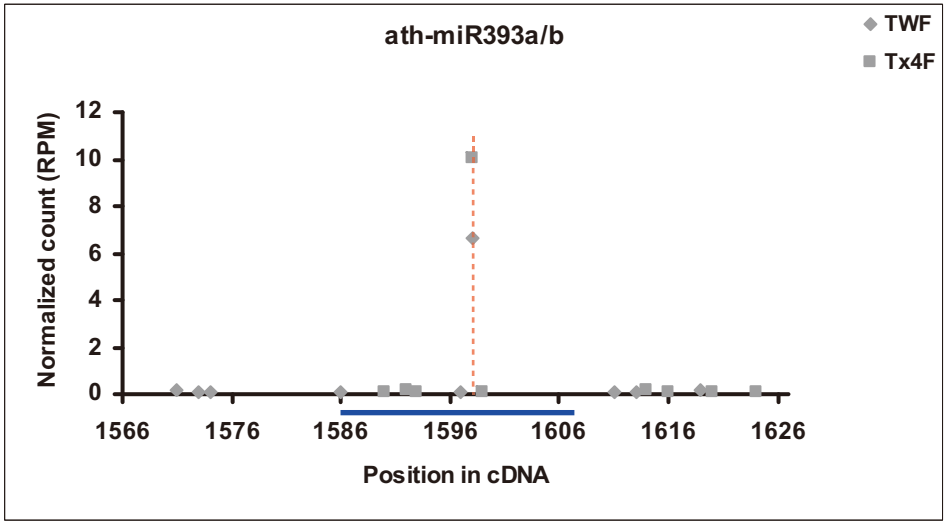

AT3G62980.1
Normalized count (RPM)
18
16
14
12
10
8
6
4
2
0
0
250
500
750
1000
1250
1500
1750
2000
2250
Position in cDNA

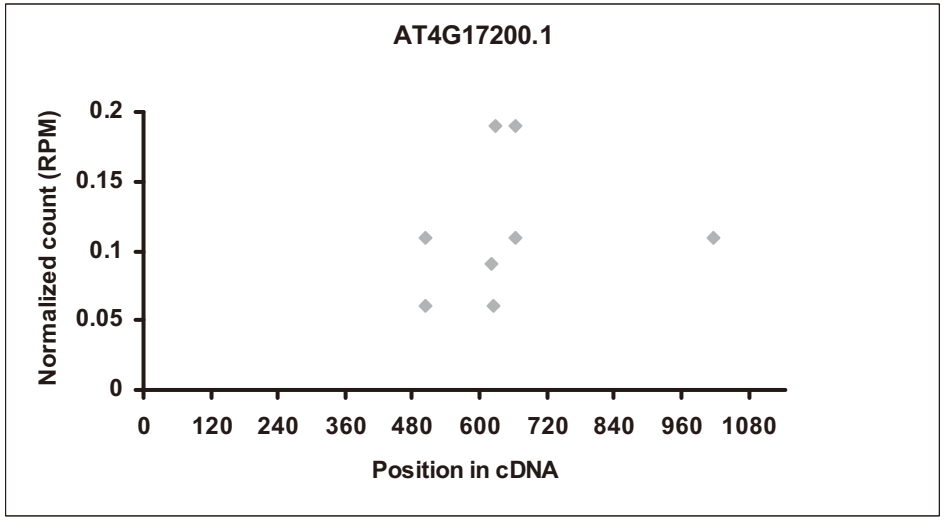

ath-miR393a/b
TWF
Tx4F
Normalized count (RPM)
18
16
14
12
10
8
6
4
2
0
1690
1700
1710
1720
1730
1740
1750
Position in cDNA

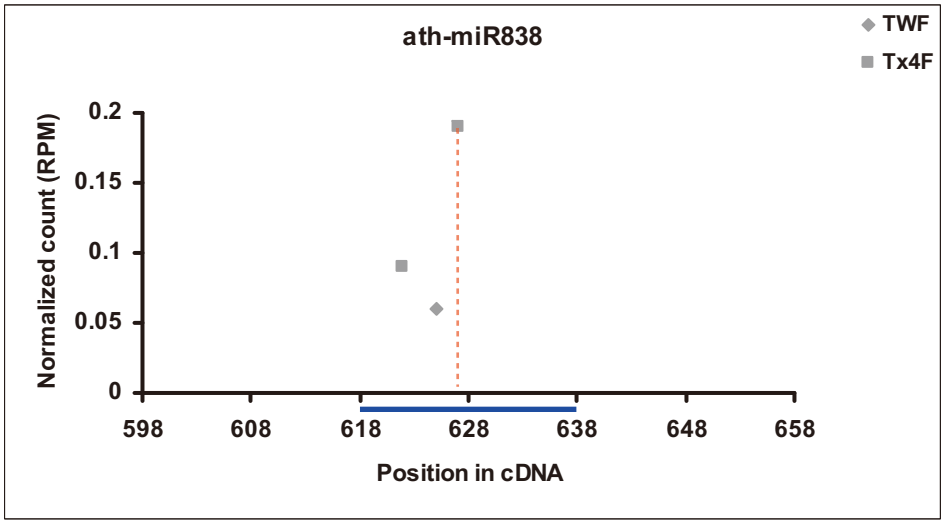

AT4G00150.1
Normalized count (RPM)
20
15
10
5
0
0
200
400
600
800
1000
1200
1400
1600
1800
2000
Position in cDNA

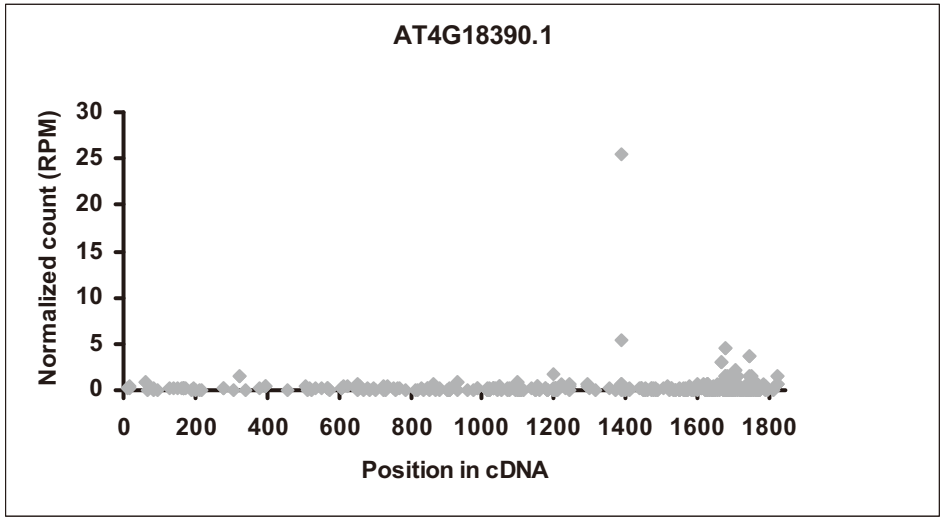

ath-miR170
ath-miR171a
AxIDT
AxIRP
AxSRP
GSM278334
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
20
15
10
5
0
836
846
856
866
876
886
896
Position in cDNA

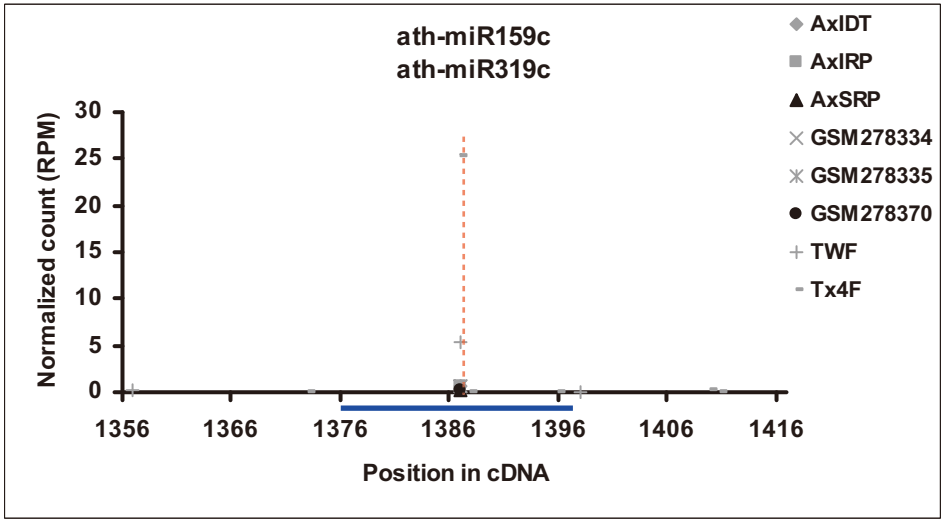

AT4G03190.1
Normalized count (RPM)
12
10
8
6
4
2
0
0 200 400 600 800 1000 1200 1400 1600 1800 2000
Position in cDNA

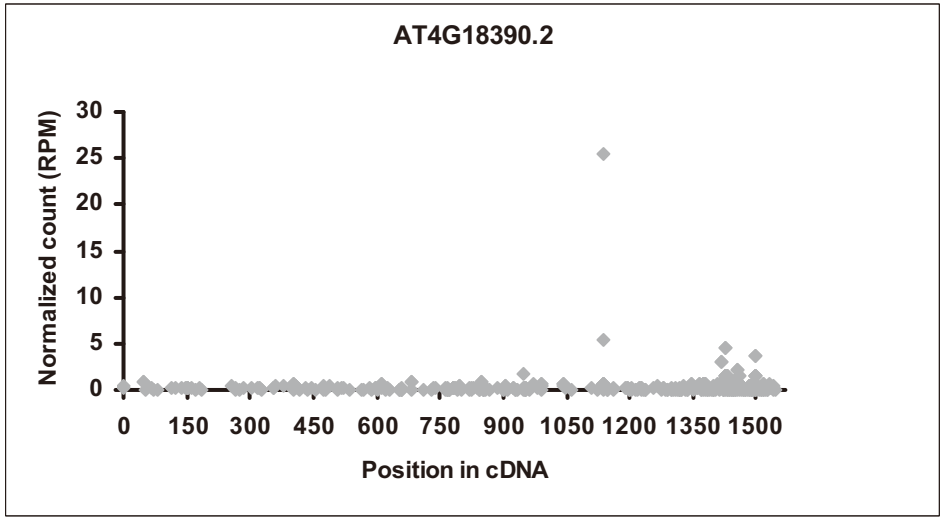

ath-miR393a/b
TWF
Tx4F
Normalized count (RPM)
12
10
8
6
4
2
0
1566 1576 1586 1596 1606 1616 1626
Position in cDNA

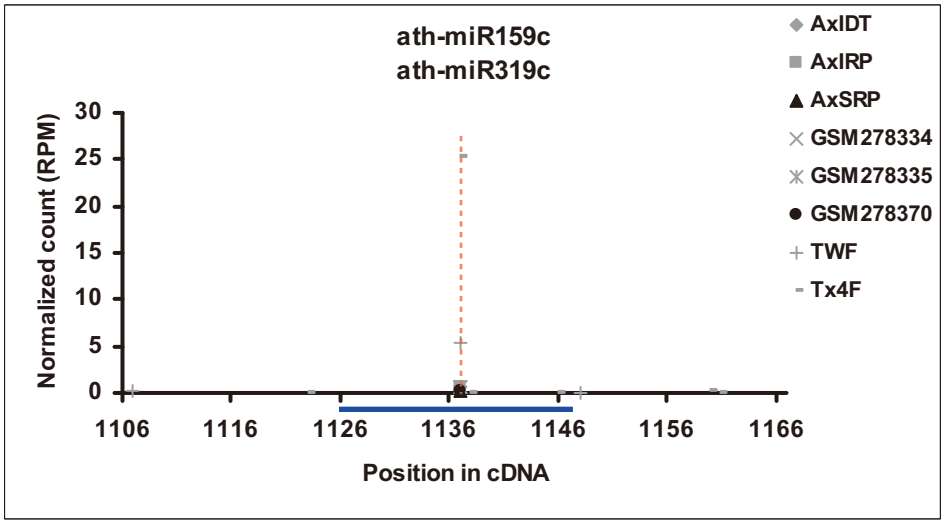

AT4G17200.1
Normalized count (RPM)
0.2
0.15
0.1
0.05
0
0 120 240 360 480 600 720 840 960 1080
Position in cDNA

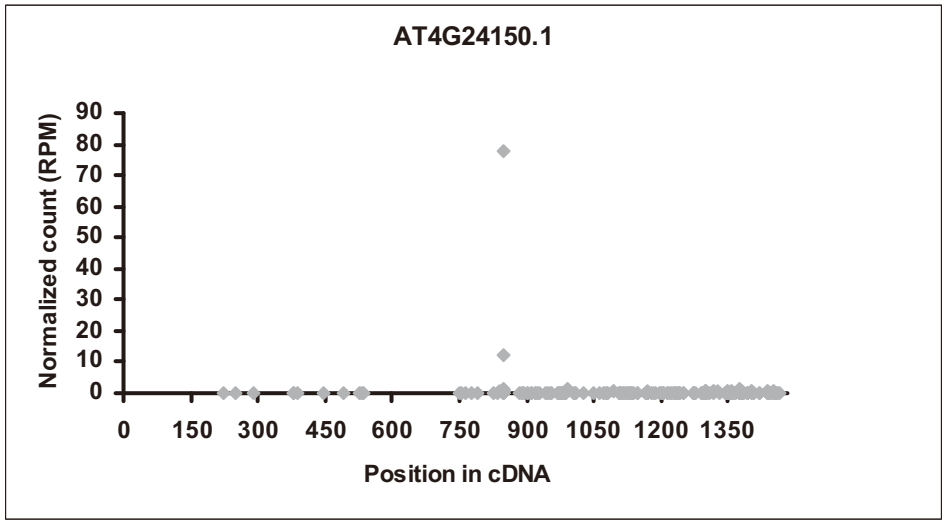

ath-miR838
TWF
Tx4F
Normalized count (RPM)
0.2
0.15
0.1
0.05
0
598 608 618 628 638 648 658
Position in cDNA

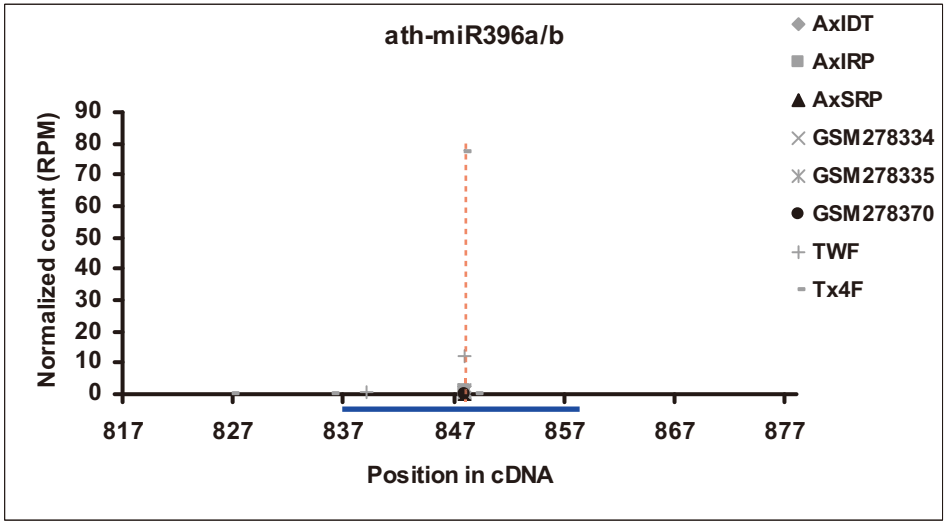

AT4G18390.1
Normalized count (RPM)
30
25
20
15
10
5
0
0
200
400
600
800
1000
1200
1400
1600
1800
Position in cDNA

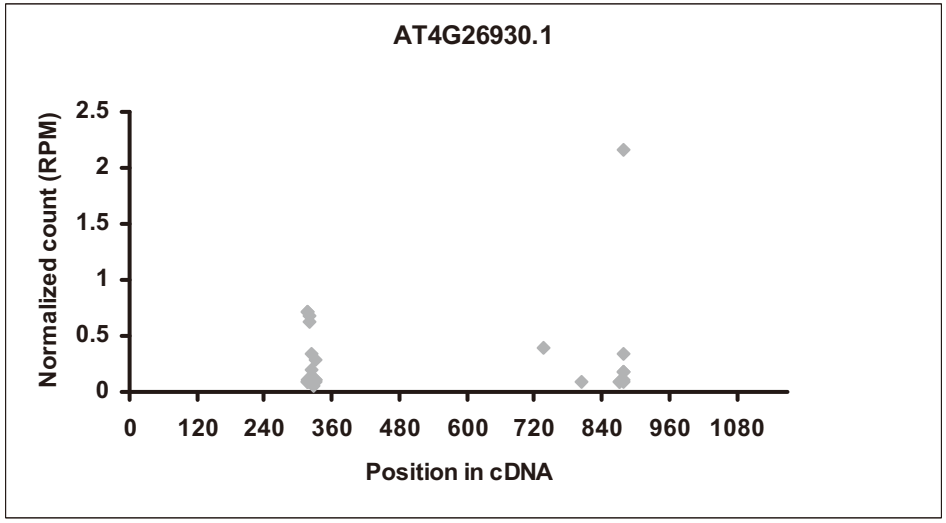

ath-miR159c
ath-miR319c
AxIDT
AxIRP
AxSRP
GSM278334
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
30
25
20
15
10
5
0
1356
1366
1376
1386
1396
1406
1416
Position in cDNA

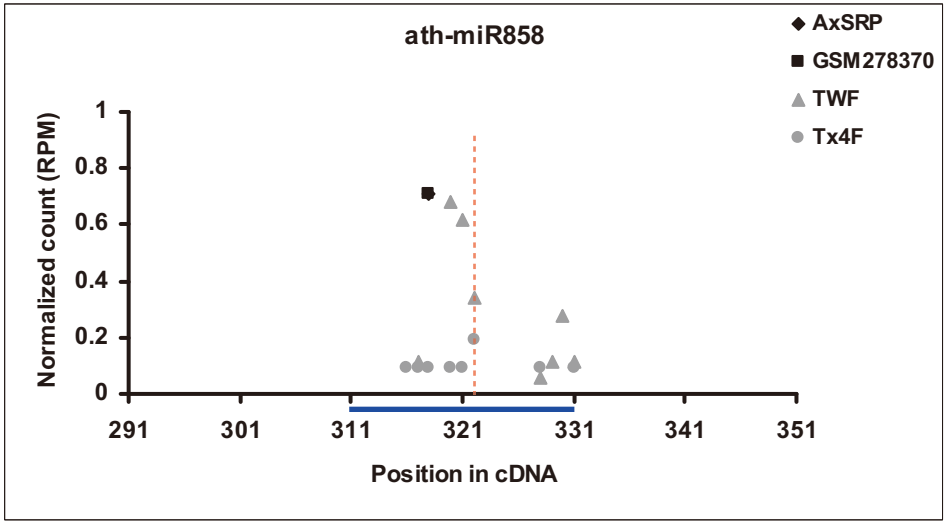

AT4G18390.2
Normalized count (RPM)
30
25
20
15
10
5
0
0
150
300
450
600
750
900
1050
1200
1350
1500
Position in cDNA

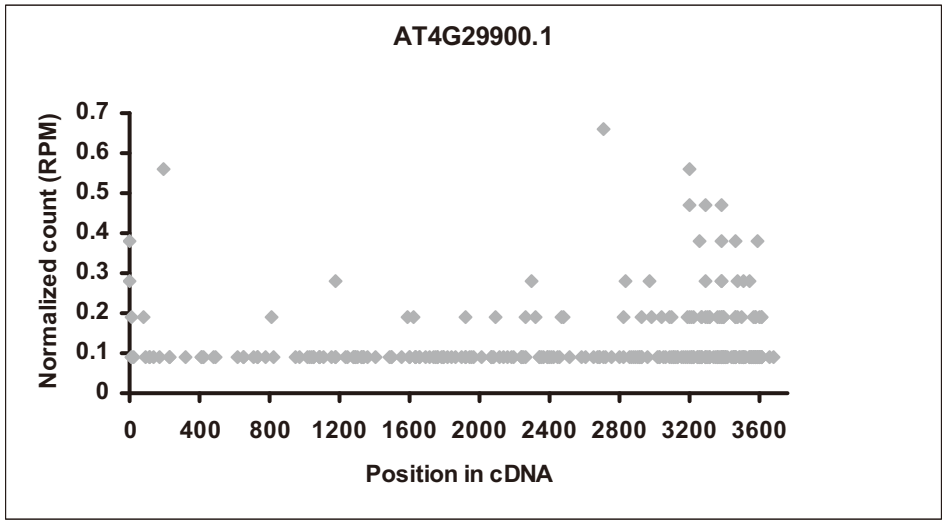

ath-miR159c
ath-miR319c
AxIDT
AxIRP
AxSRP
GSM278334
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
30
25
20
15
10
5
0
1106
1116
1126
1136
1146
1156
1166
Position in cDNA

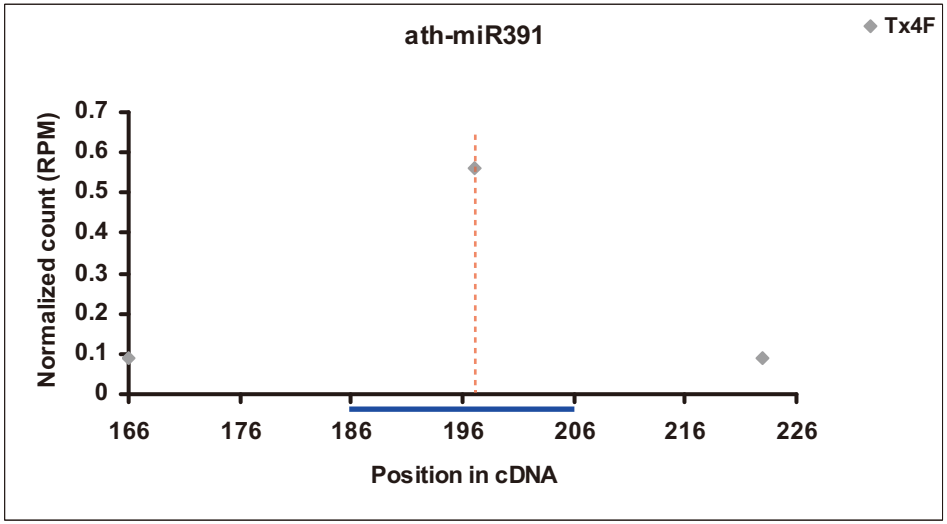

AT4G24150.1
Normalized count (RPM)
90
80
70
60
50
40
30
20
10
0
0
150
300
450
600
750
900
1050
1200
1350
Position in cDNA

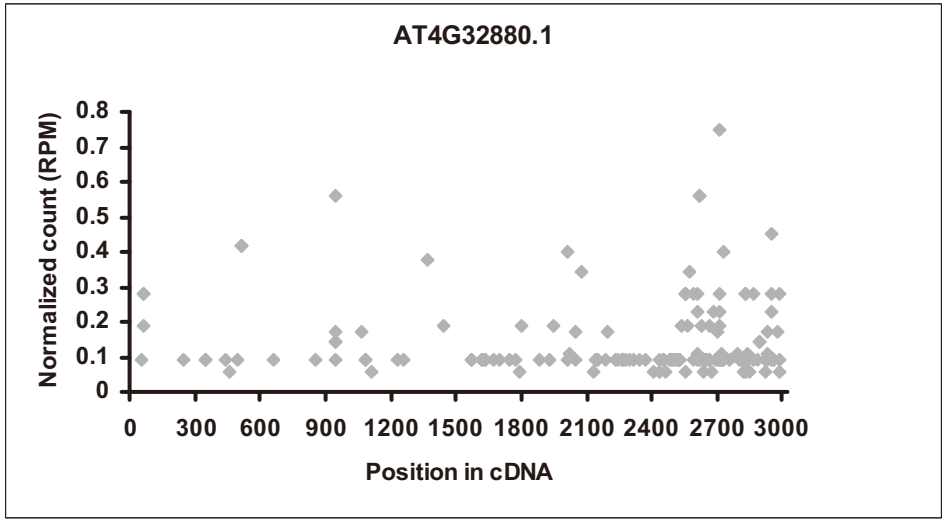

ath-miR396a/b
AxIDT
AxIRP
AxSRP
GSM278334
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
90
80
70
60
50
40
30
20
10
0
817
827
837
847
857
867
877
Position in cDNA

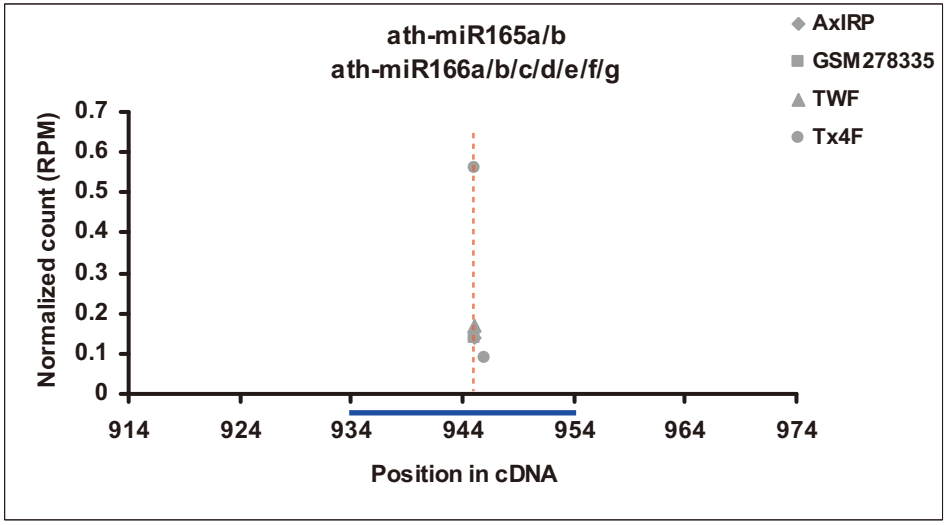

AT4G26930.1
Normalized count (RPM)
2.5
2
1.5
1
0.5
0
0
120
240
360
480
600
720
840
960
1080
Position in cDNA

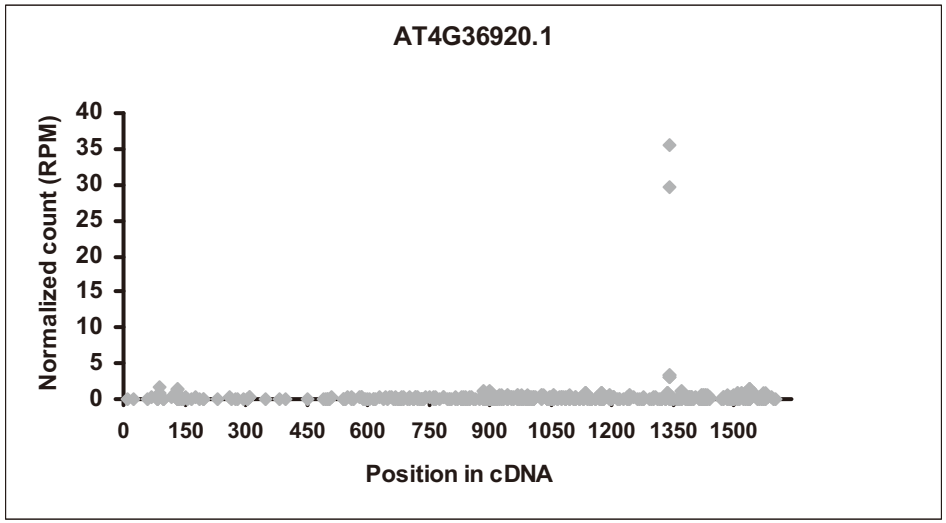

ath-miR858
AxSRP
GSM278370
TWF
Tx4F
Normalized count (RPM)
1
0.8
0.6
0.4
0.2
0
291
301
311
321
331
341
351
Position in cDNA

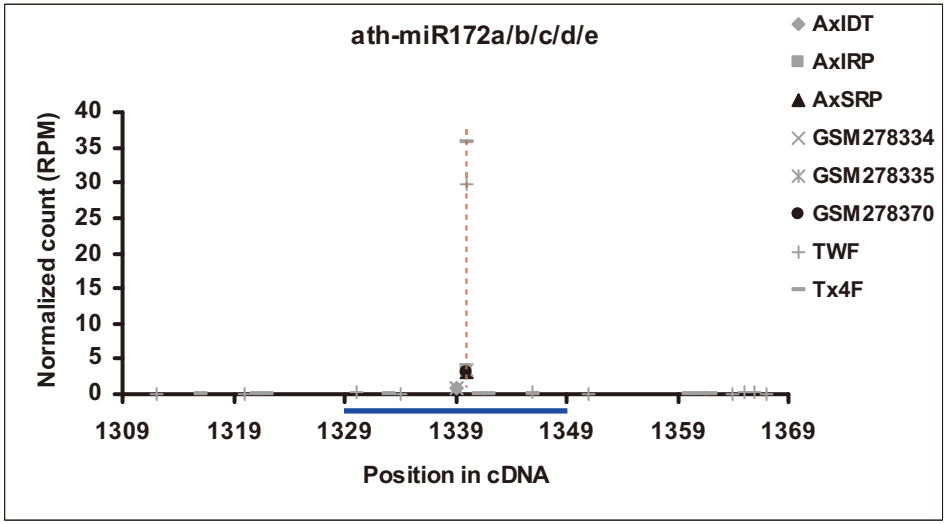

AT4G29900.1
Normalized count (RPM)
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
400
800
1200
1600
2000
2400
2800
3200
3600
Position in cDNA

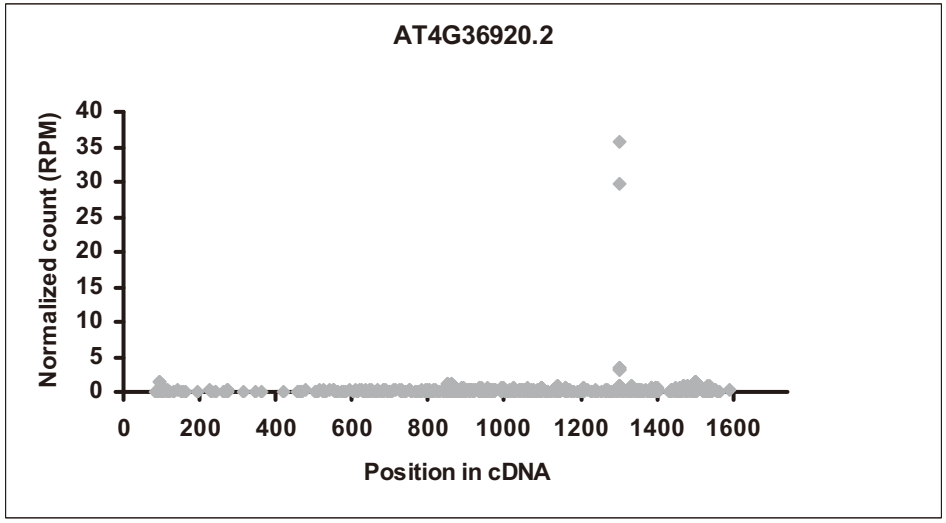

ath-miR391
Tx4F
Normalized count (RPM)
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
166
176
186
196
206
216
226
Position in cDNA

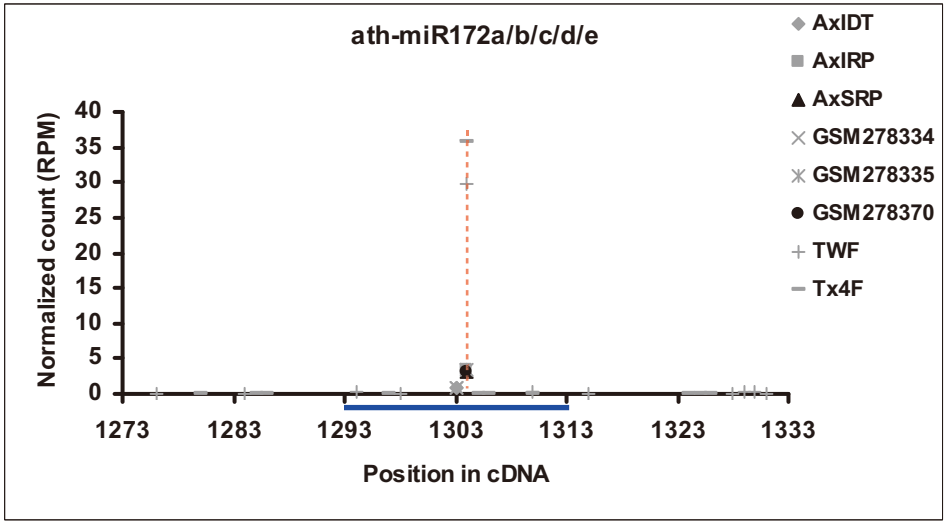

AT4G32880.1
Normalized count (RPM)
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
300
600
900
1200
1500
1800
2100
2400
2700
3000
Position in cDNA

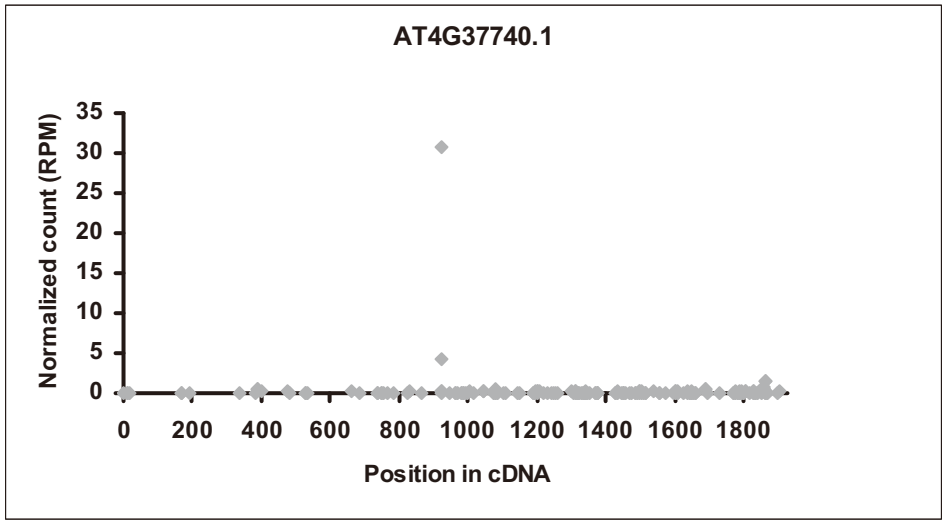

ath-miR165a/b
ath-miR166a/b/c/d/e/f/g
AxIRP
GSM278335
TWF
Tx4F
Normalized count (RPM)
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
914
924
934
944
954
964
974
Position in cDNA

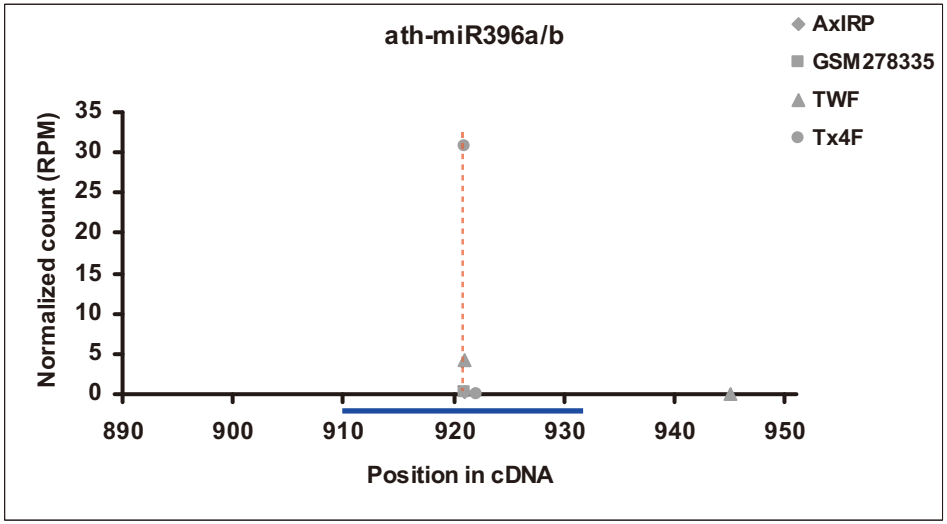

AT4G36920.1
Normalized count (RPM)
40
35
30
25
20
15
10
5
0
0
150
300
450
600
750
900
1050
1200
1350
1500
Position in cDNA

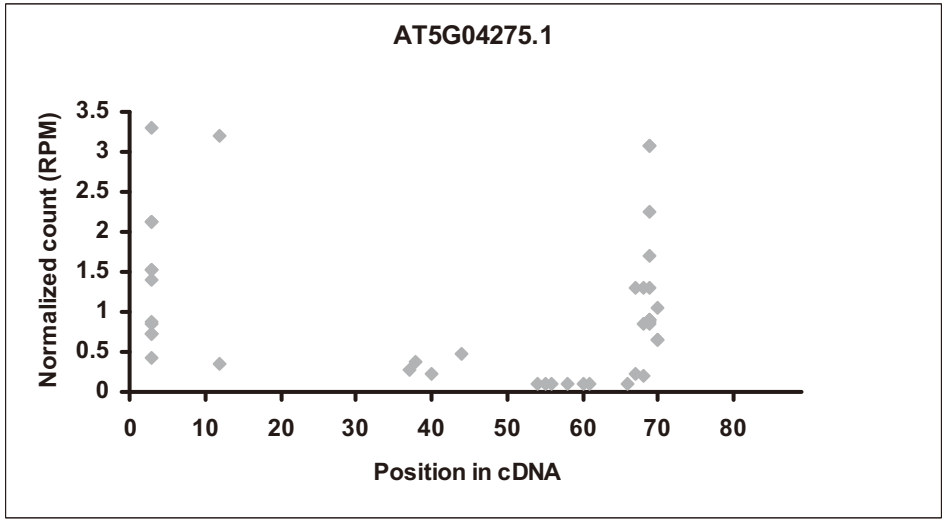

ath-miR172a/b/c/d/e
AxIDT
AxIRP
AxSRP
GSM278334
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
40
35
30
25
20
15
10
5
0
1309
1319
1329
1339
1349
1359
1369
Position in cDNA

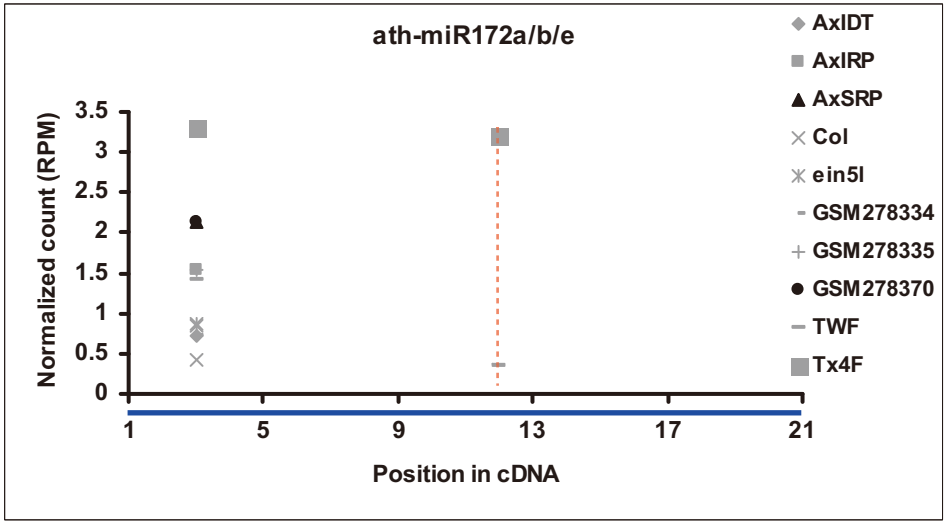

AT4G36920.2
Normalized count (RPM)
40
35
30
25
20
15
10
5
0
0
200
400
600
800
1000
1200
1400
1600
Position in cDNA

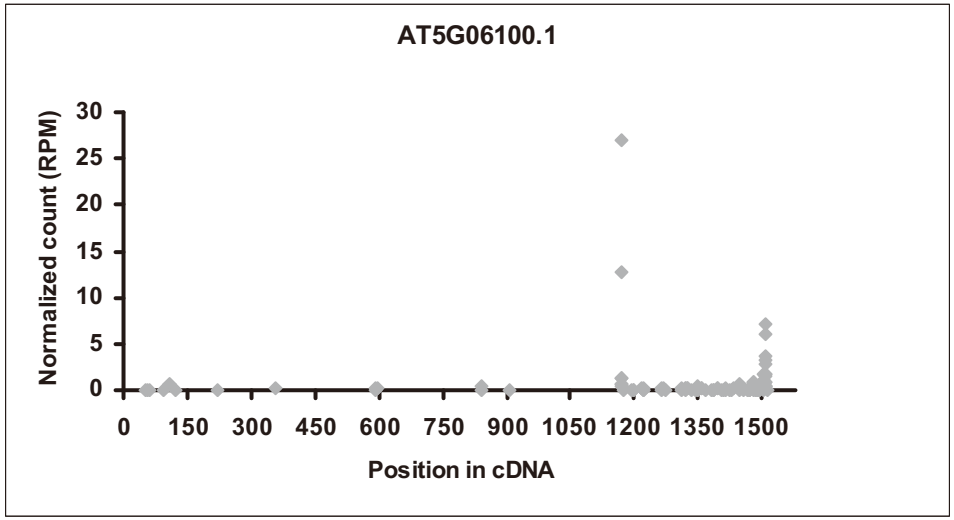

ath-miR172a/b/c/d/e
AxIDT
AxIRP
AxSRP
GSM278334
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
40
35
30
25
20
15
10
5
0
1273
1283
1293
1303
1313
1323
1333
Position in cDNA

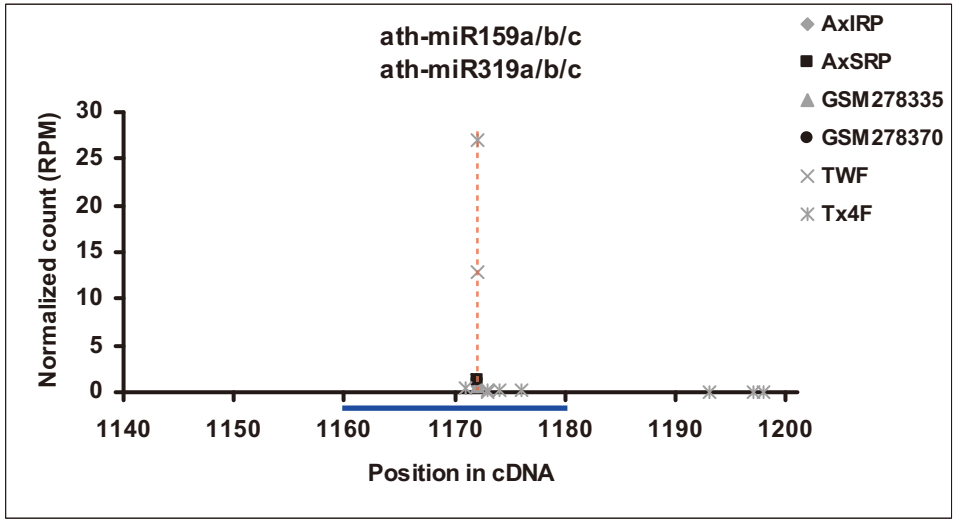

AT4G37740.1
Normalized count (RPM)
35
30
25
20
15
10
5
0
0
200
400
600
800
1000
1200
1400
1600
1800
Position in cDNA

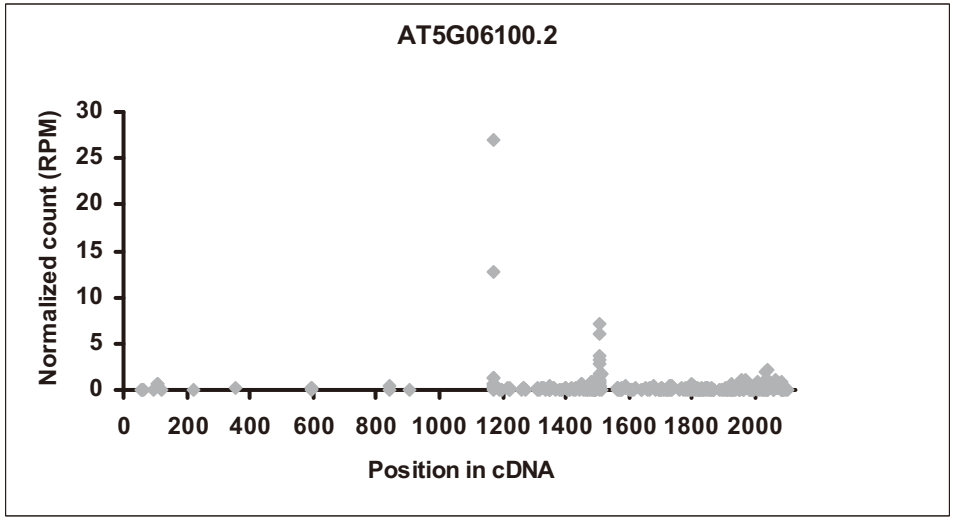

ath-miR396a/b
AxIRP
GSM278335
TWF
Tx4F
Normalized count (RPM)
35
30
25
20
15
10
5
0
890
900
910
920
930
940
950
Position in cDNA

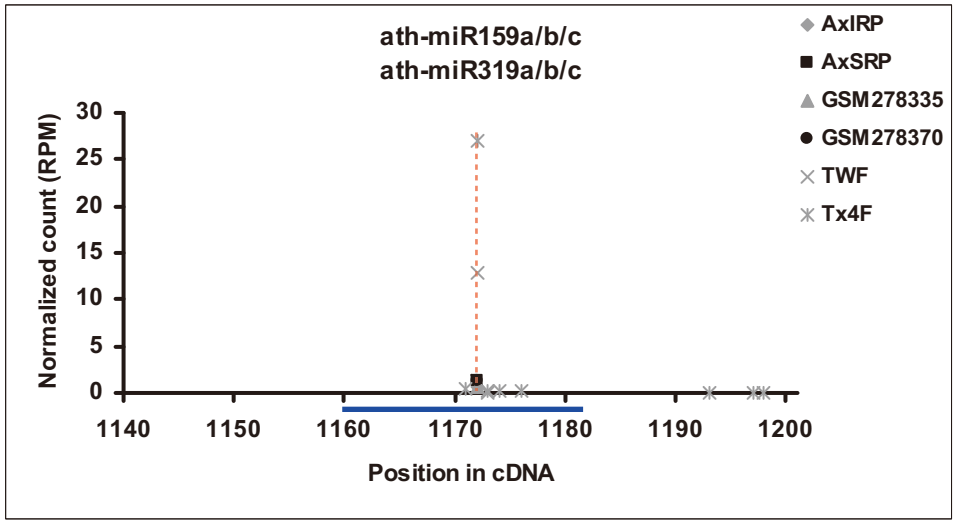

AT5G04275.1
Normalized count (RPM)
3.5
3
2.5
2
1.5
1
0.5
0
0
10
20
30
40
50
60
70
80
Position in cDNA

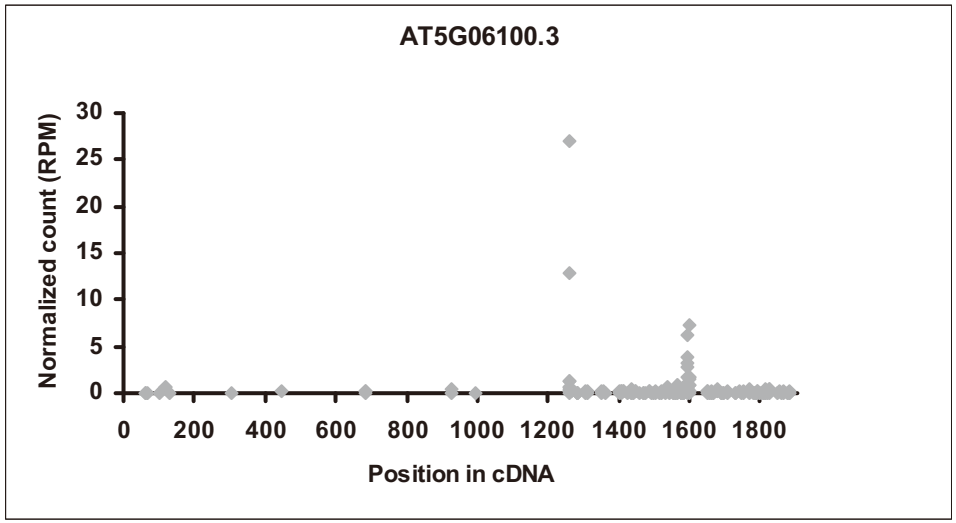

ath-miR172a/b/e
AxIDT
AxIRP
AxSRP
Col
ein5l
GSM278334
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
3.5
3
2.5
2
1.5
1
0.5
0
1
5
9
13
17
21
Position in cDNA

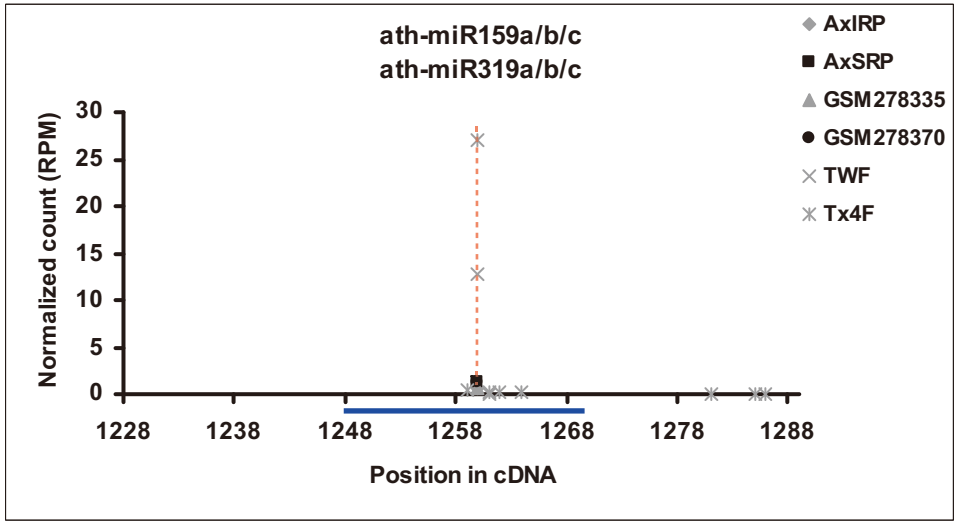

AT5G06100.1
Normalized count (RPM)
30
25
20
15
10
5
0
0 150 300 450 600 750 900 1050 1200 1350 1500
Position in cDNA

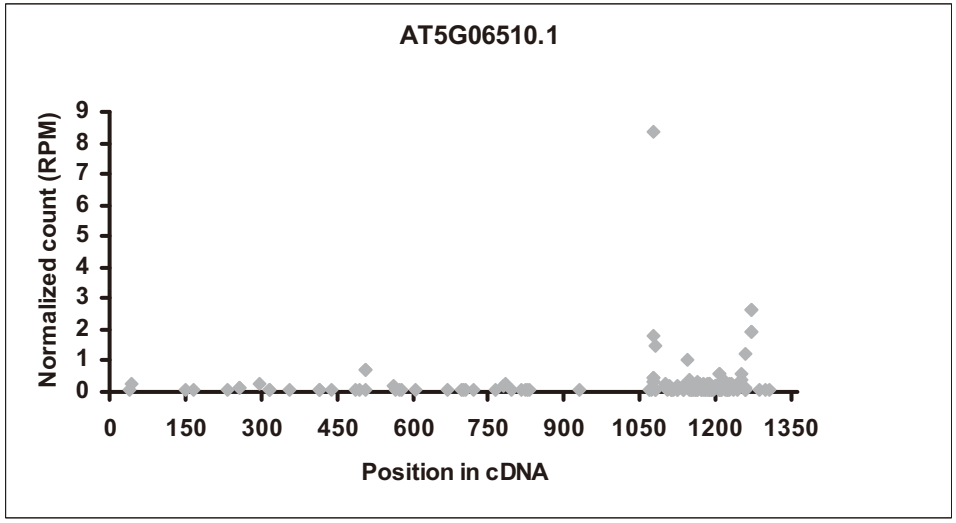

ath-miR159a/b/c
ath-miR319a/b/c
AxIRP
AxSRP
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
30
25
20
15
10
5
0
1140 1150 1160 1170 1180 1190 1200
Position in cDNA

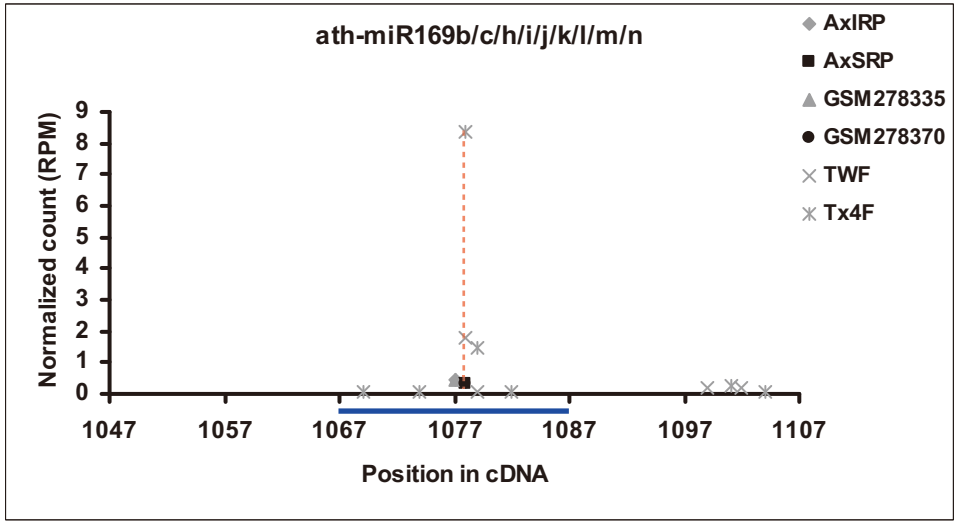

AT5G06100.2
Normalized count (RPM)
30
25
20
15
10
5
0
0 200 400 600 800 1000 1200 1400 1600 1800 2000
Position in cDNA

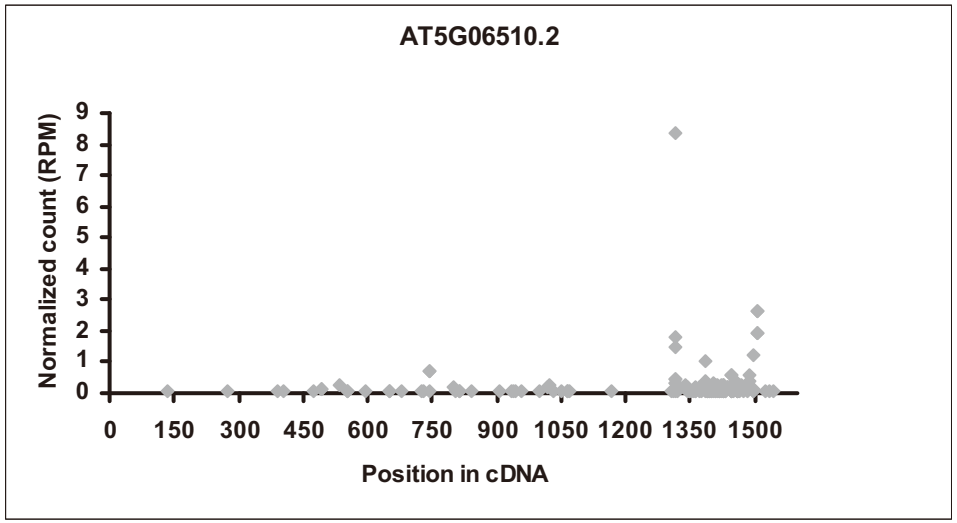

ath-miR159a/b/c
ath-miR319a/b/c
AxIRP
AxSRP
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
30
25
20
15
10
5
0
1140 1150 1160 1170 1180 1190 1200
Position in cDNA

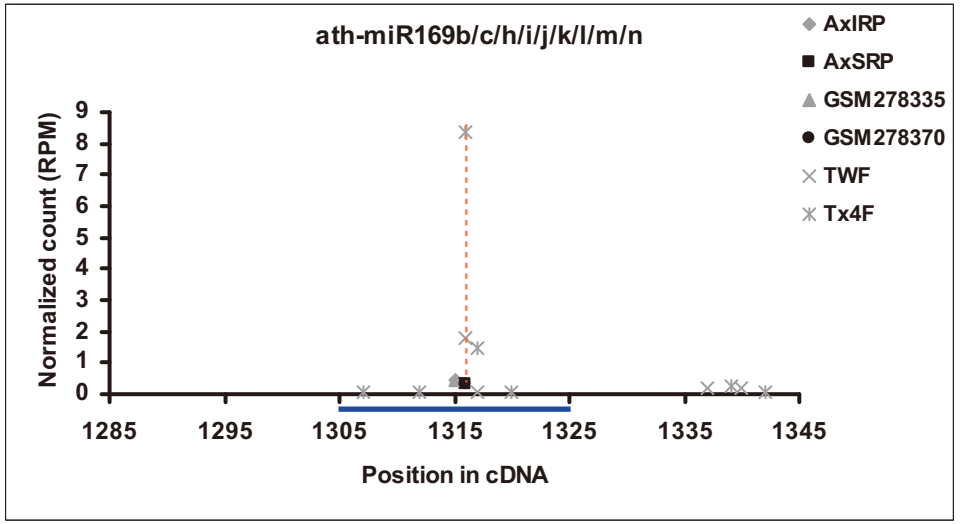

AT5G06100.3
Normalized count (RPM)
30
25
20
15
10
5
0
0
200
400
600
800
1000
1200
1400
1600
1800
Position in cDNA

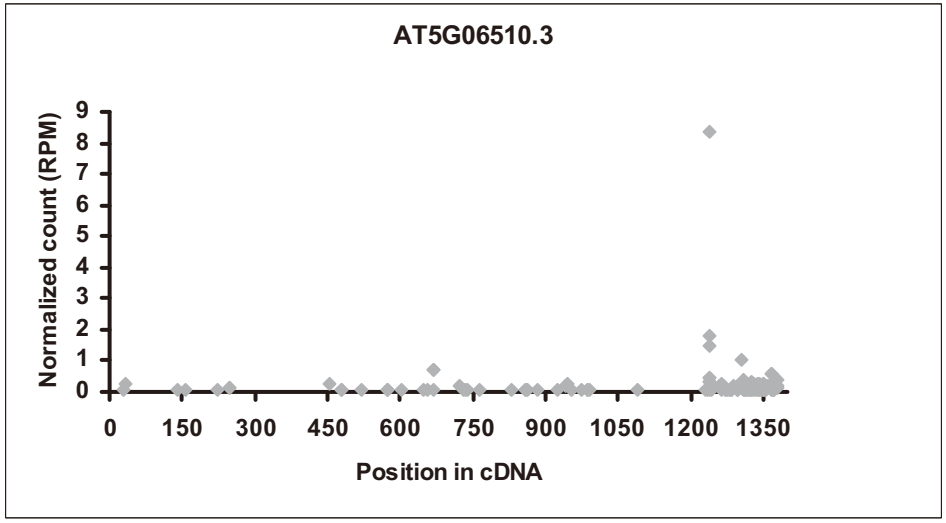

ath-miR159a/b/c
ath-miR319a/b/c
AxIRP
AxSRP
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
30
25
20
15
10
5
0
1228
1238
1248
1258
1268
1278
1288
Position in cDNA

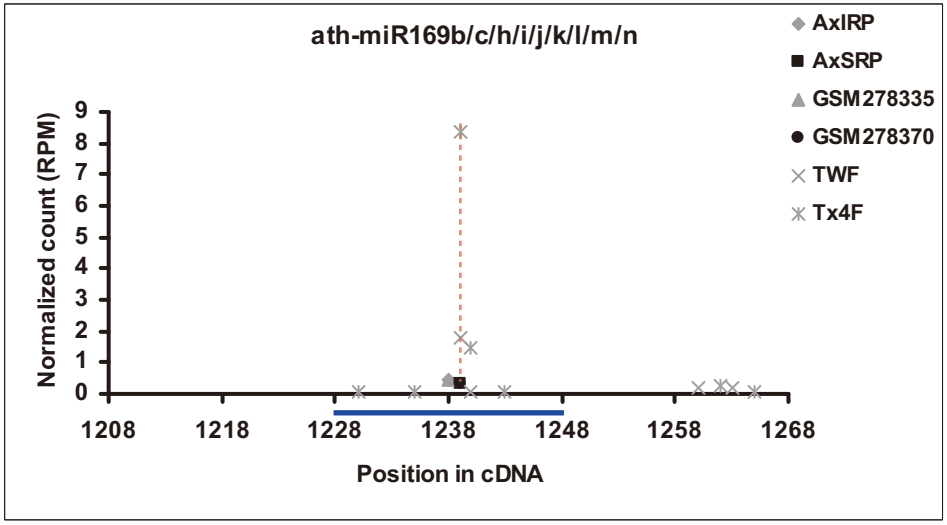

AT5G06510.1
Normalized count (RPM)
9
8
7
6
5
4
3
2
1
0
0
150
300
450
600
750
900
1050
1200
1350
Position in cDNA

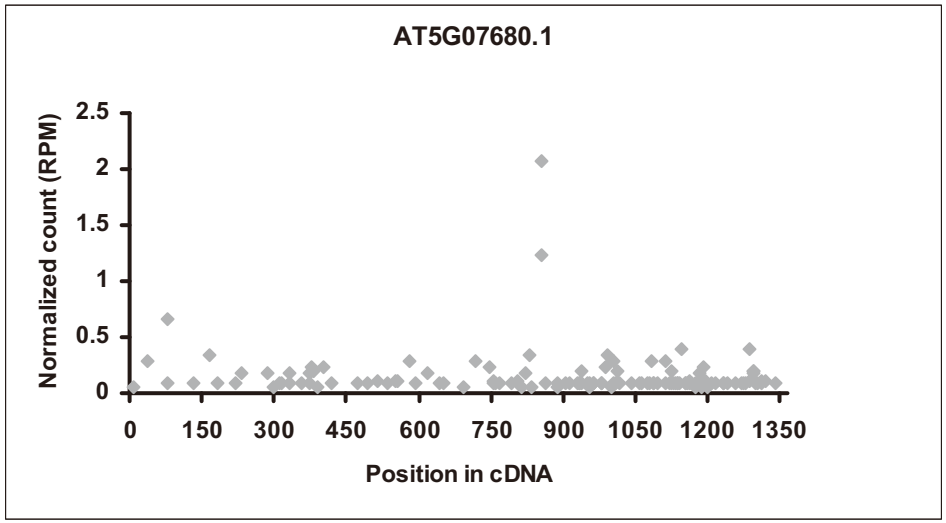

ath-miR169b/c/h/i/j/k/l/m/n
AxIRP
AxSRP
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
9
8
7
6
5
4
3
2
1
0
1047
1057
1067
1077
1087
1097
1107
Position in cDNA

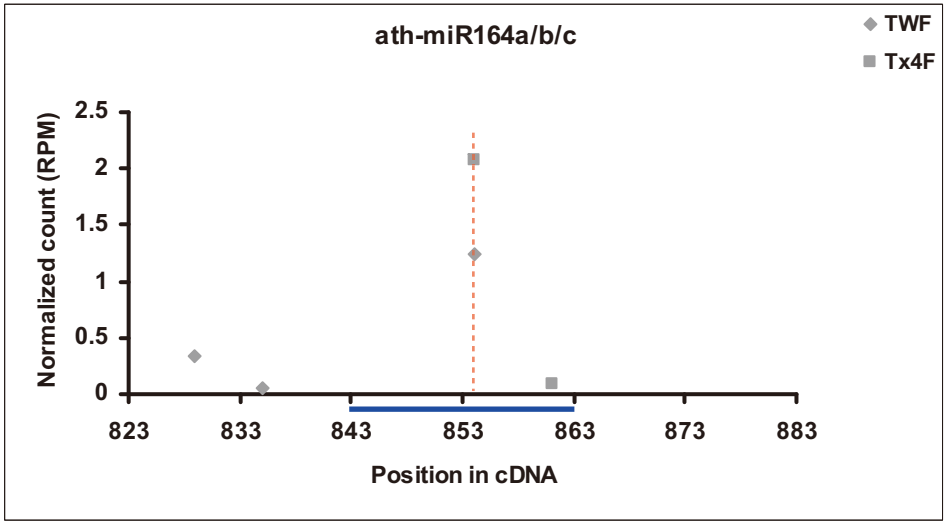

AT5G06510.2
Normalized count (RPM)
0
1
2
3
4
5
6
7
8
9
0
150
300
450
600
750
900
1050
1200
1350
1500
Position in cDNA

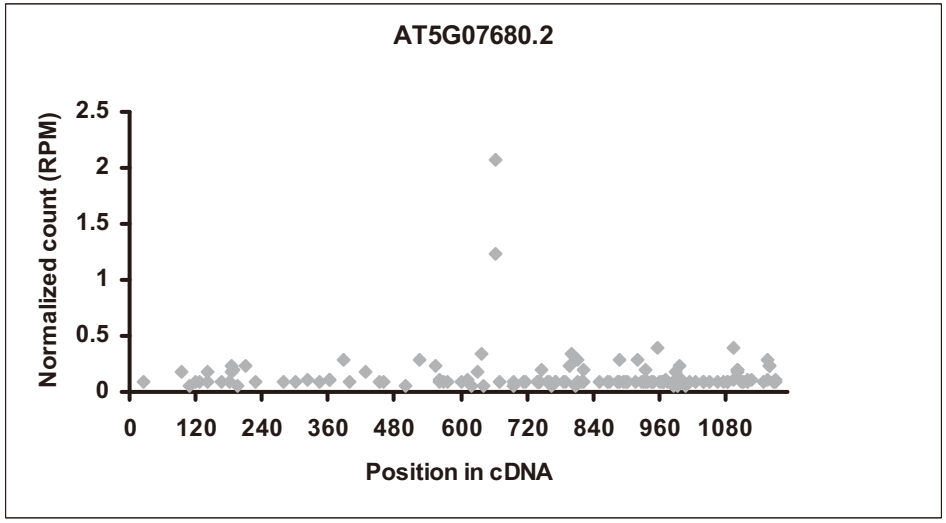

ath-miR169b/c/h/i/j/k/l/m/n
AxIRP
AxSRP
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
0
1
2
3
4
5
6
7
8
9
1285
1295
1305
1315
1325
1335
1345
Position in cDNA

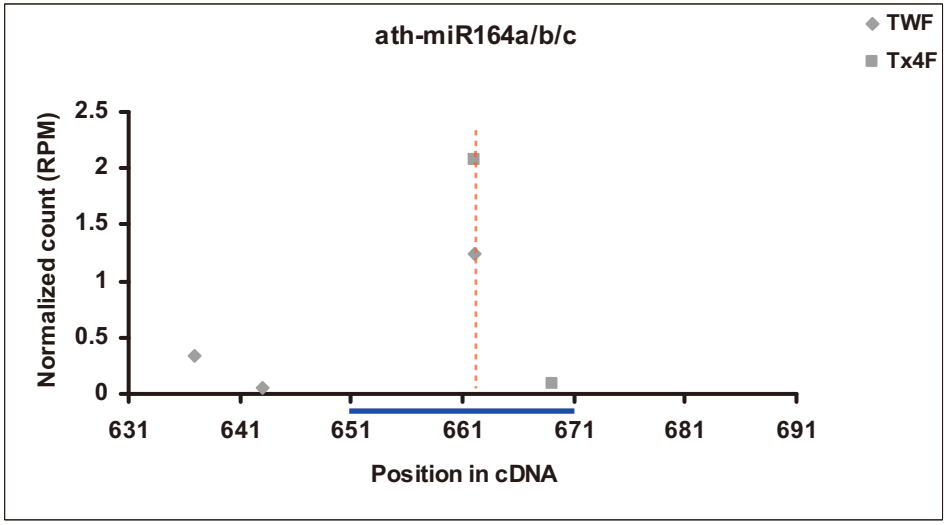

AT5G06510.3
Normalized count (RPM)
0
1
2
3
4
5
6
7
8
9
0
150
300
450
600
750
900
1050
1200
1350
Position in cDNA

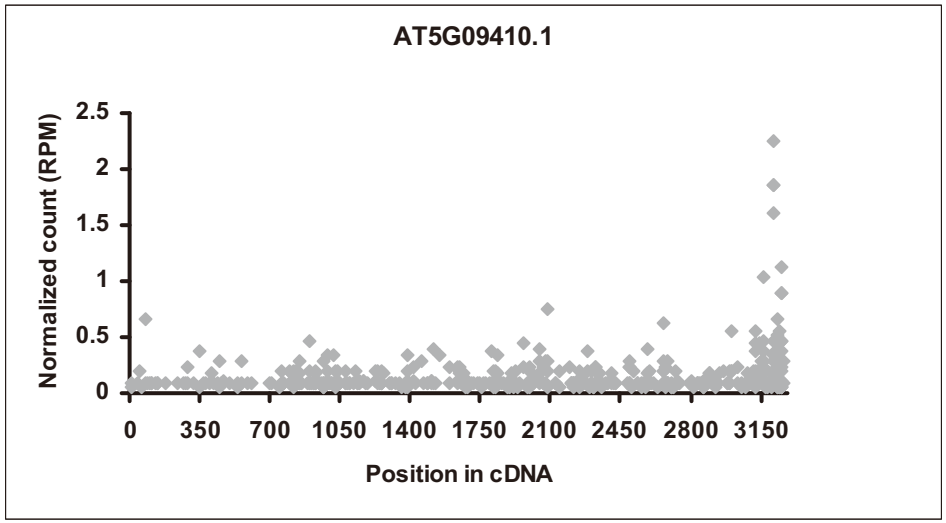

ath-miR169b/c/h/i/j/k/l/m/n
AxIRP
AxSRP
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
0
1
2
3
4
5
6
7
8
9
1208
1218
1228
1238
1248
1258
1268
Position in cDNA

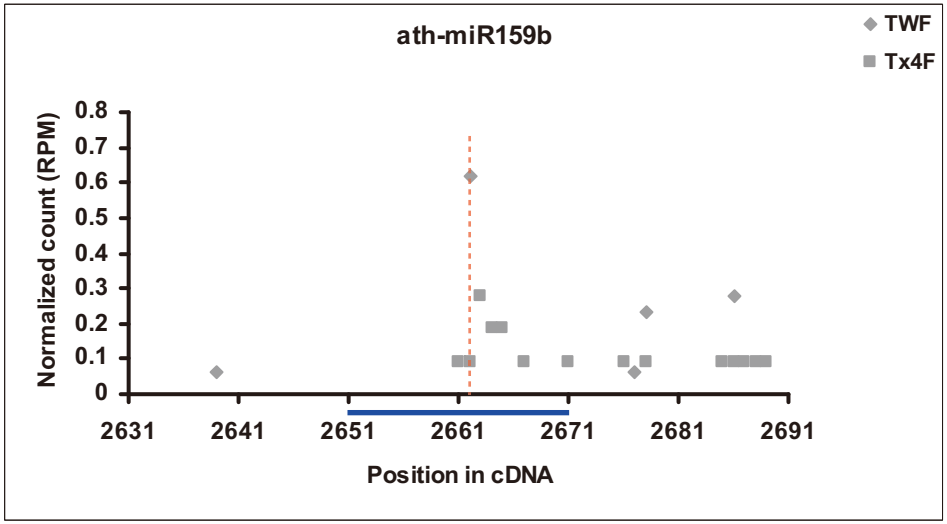

AT5G07680.1
Normalized count (RPM)
2.5
2
1.5
1
0.5
0
0
150
300
450
600
750
900
1050
1200
1350
Position in cDNA

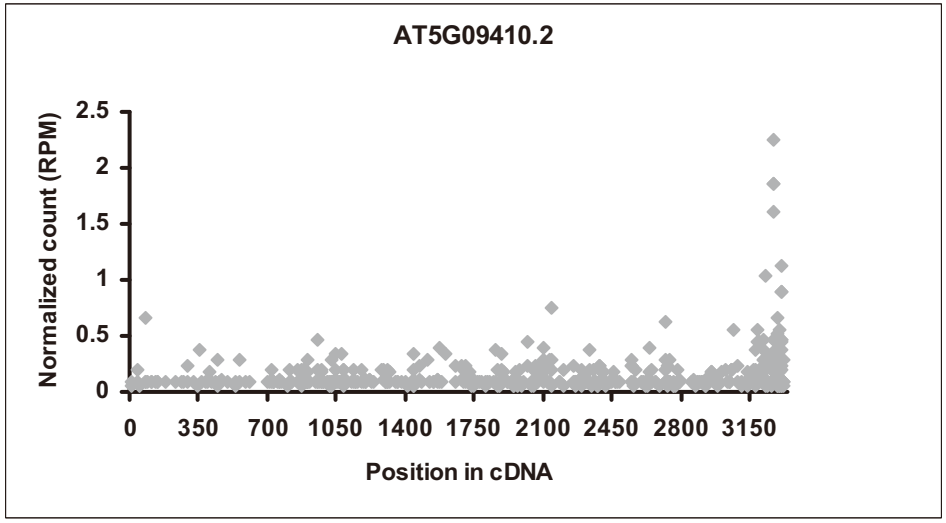

ath-miR164a/b/c
TWF
Tx4F
Normalized count (RPM)
2.5
2
1.5
1
0.5
0
823
833
843
853
863
873
883
Position in cDNA

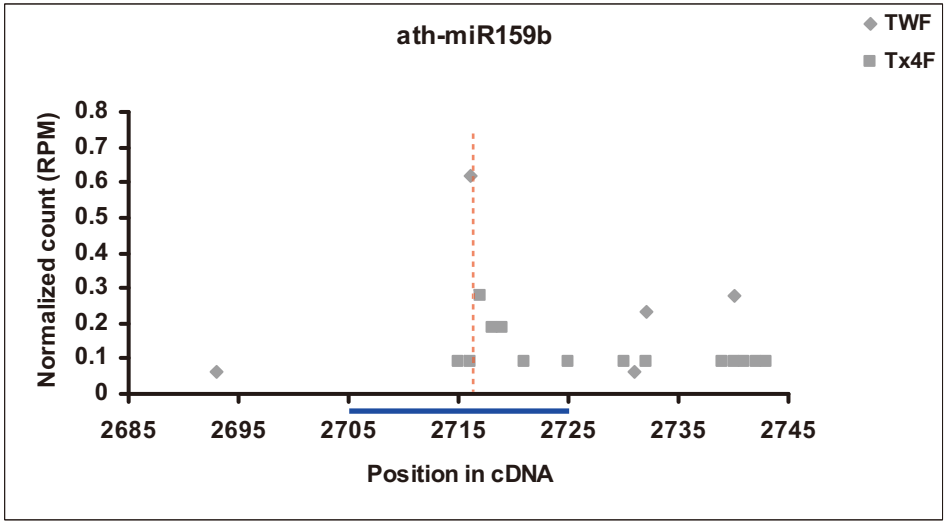

AT5G07680.2
Normalized count (RPM)
2.5
2
1.5
1
0.5
0
0
120
240
360
480
600
720
840
960
1080
Position in cDNA

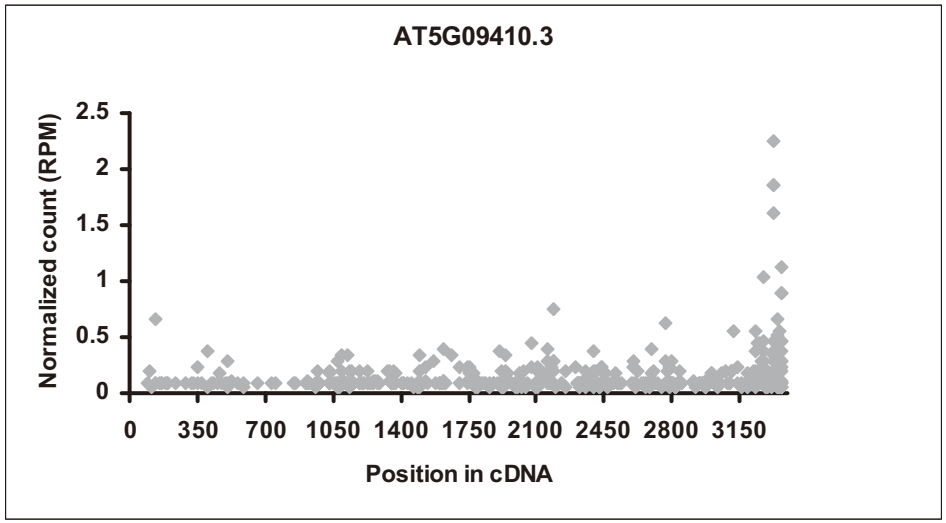

ath-miR164a/b/c
TWF
Tx4F
Normalized count (RPM)
2.5
2
1.5
1
0.5
0
631
641
651
661
671
681
691
Position in cDNA

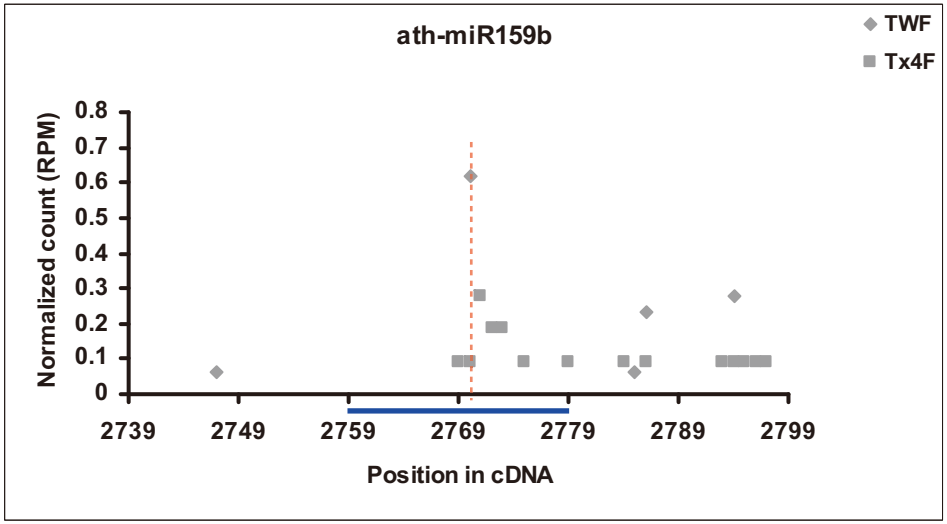

AT5G09410.1
Normalized count (RPM)
2.5
2
1.5
1
0.5
0
0
350
700
1050
1400
1750
2100
2450
2800
3150
Position in cDNA

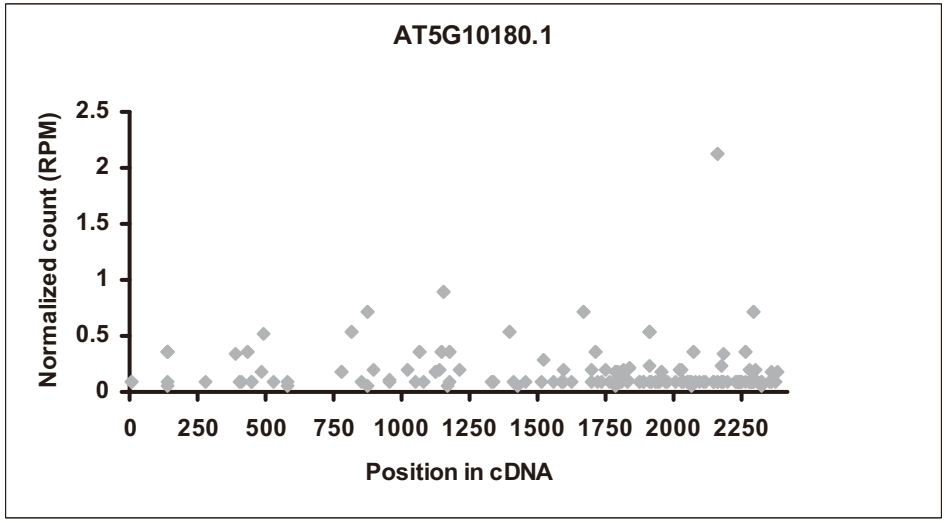

ath-miR159b
TWF
Tx4F
Normalized count (RPM)
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
2631
2641
2651
2661
2671
2681
2691
Position in cDNA

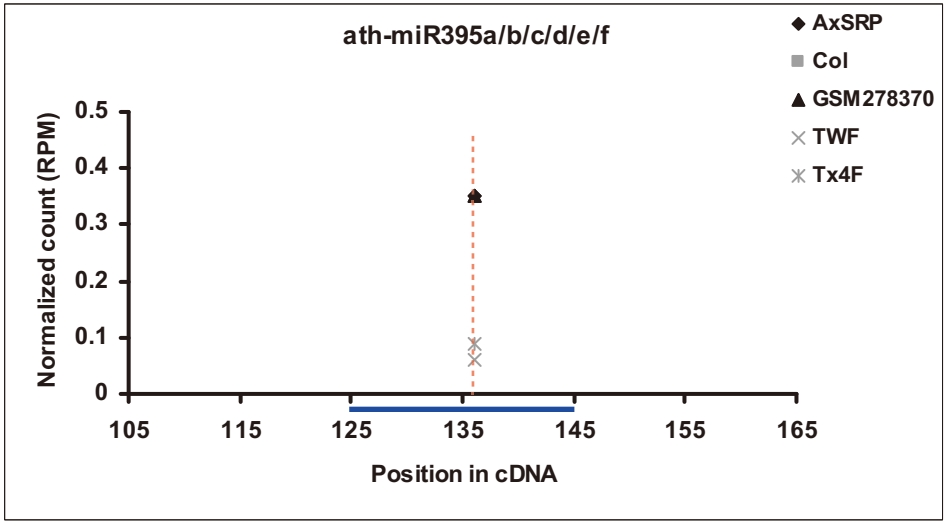

AT5G09410.2
Normalized count (RPM)
2.5
2
1.5
1
0.5
0
0
350
700
1050
1400
1750
2100
2450
2800
3150
Position in cDNA

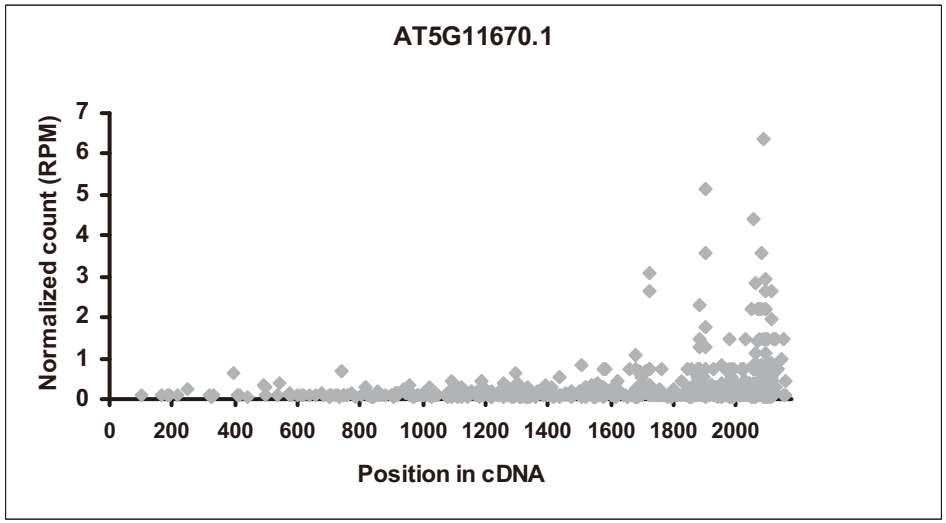

ath-miR159b
TWF
Tx4F
Normalized count (RPM)
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
2685
2695
2705
2715
2725
2735
2745
Position in cDNA

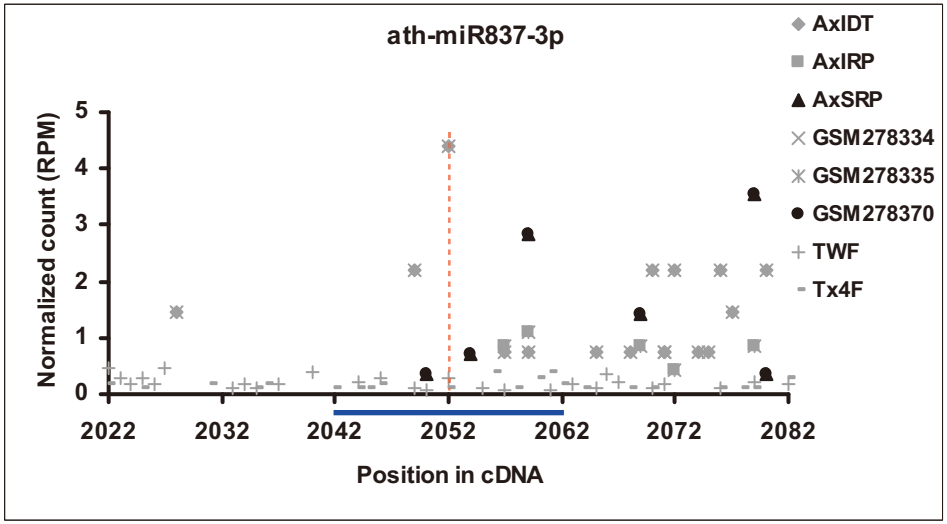

AT5G09410.3
Normalized count (RPM)
2.5
2
1.5
1
0.5
0
0
350
700
1050
1400
1750
2100
2450
2800
3150
Position in cDNA

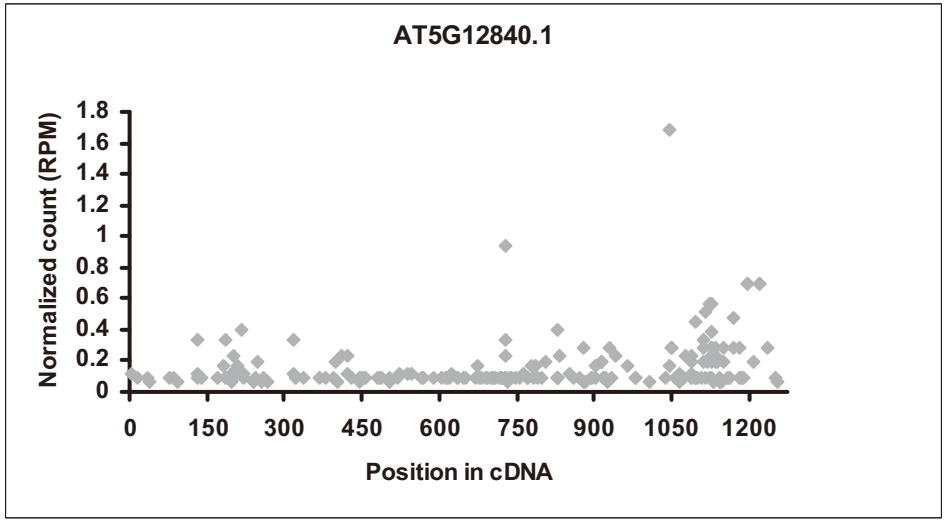

ath-miR159b
TWF
Tx4F
Normalized count (RPM)
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
2739
2749
2759
2769
2779
2789
2799
Position in cDNA

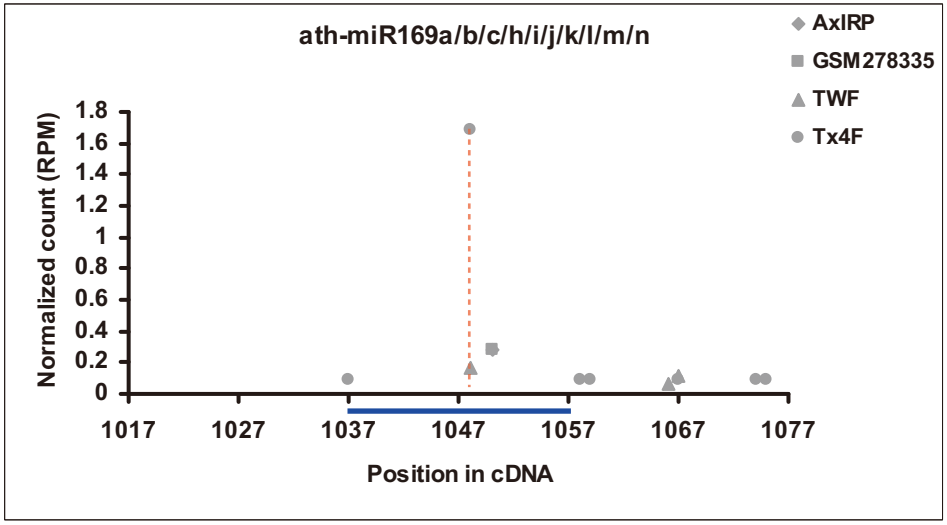

AT5G10180.1
Normalized count (RPM)
2.5
2
1.5
1
0.5
0
0
250
500
750
1000
1250
1500
1750
2000
2250
Position in cDNA

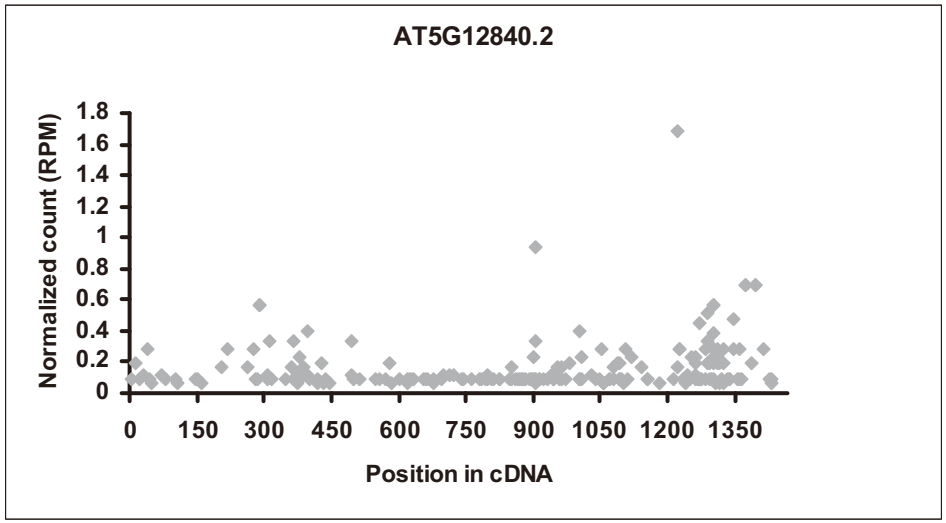

ath-miR395a/b/c/d/e/f
AxSRP
Col
GSM278370
TWF
Tx4F
Normalized count (RPM)
0.5
0.4
0.3
0.2
0.1
0
105
115
125
135
145
155
165
Position in cDNA

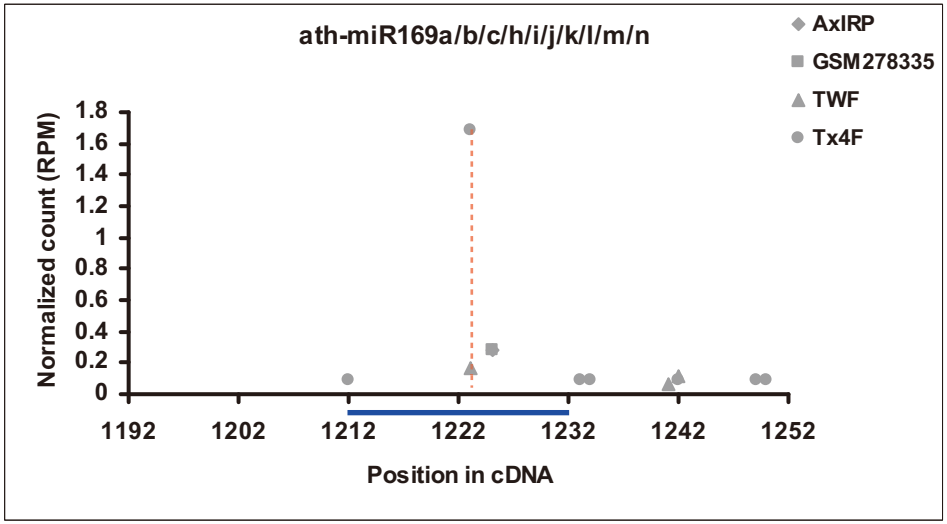

AT5G11670.1
Normalized count (RPM)
0
1
2
3
4
5
6
7
0
200
400
600
800
1000
1200
1400
1600
1800
2000
Position in cDNA

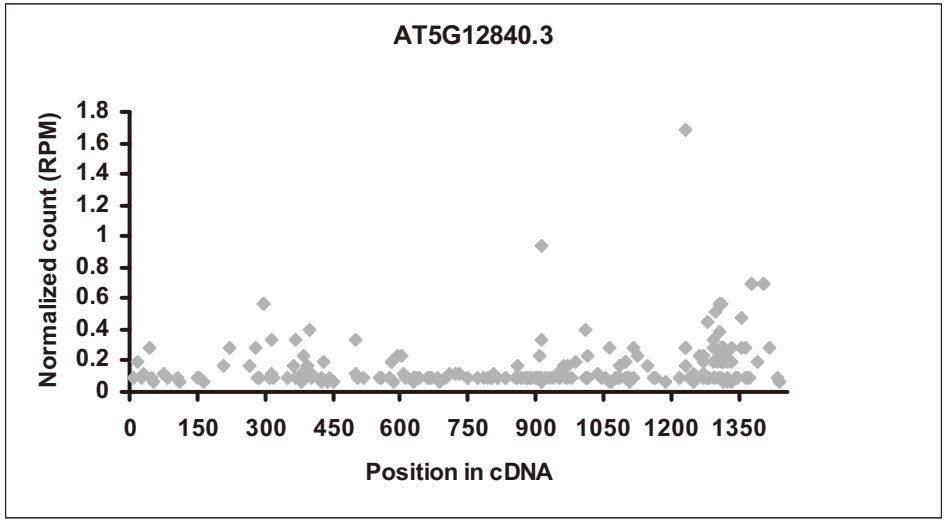

ath-miR837-3p
AxIDT
AxIRP
AxSRP
GSM278334
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
0
1
2
3
4
5
2022
2032
2042
2052
2062
2072
2082
Position in cDNA

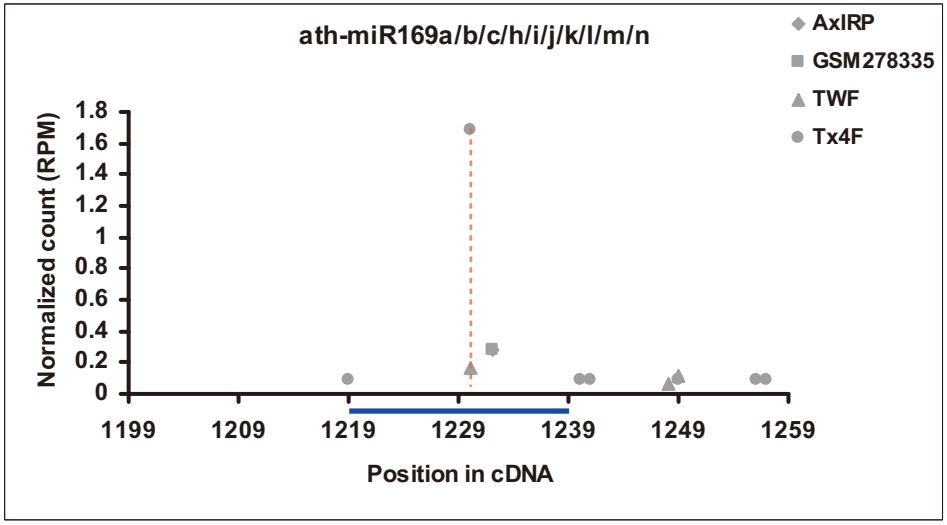

AT5G12840.1
Normalized count (RPM)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
0
150
300
450
600
750
900
1050
1200
Position in cDNA

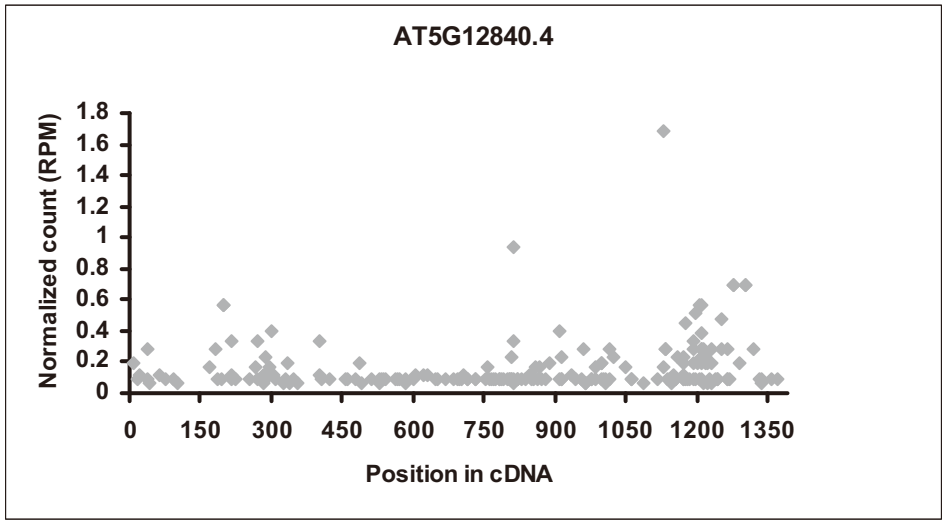

ath-miR169a/b/c/h/i/j/k/l/m/n
AxIRP
GSM278335
TWF
Tx4F
Normalized count (RPM)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
1017
1027
1037
1047
1057
1067
1077
Position in cDNA

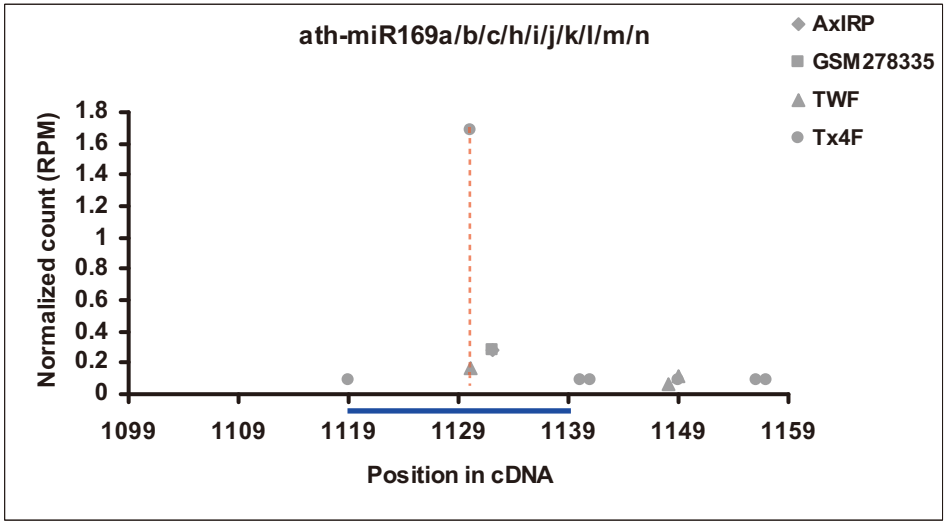

AT5G12840.2
Normalized count (RPM)
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
150
300
450
600
750
900
1050
1200
1350
Position in cDNA

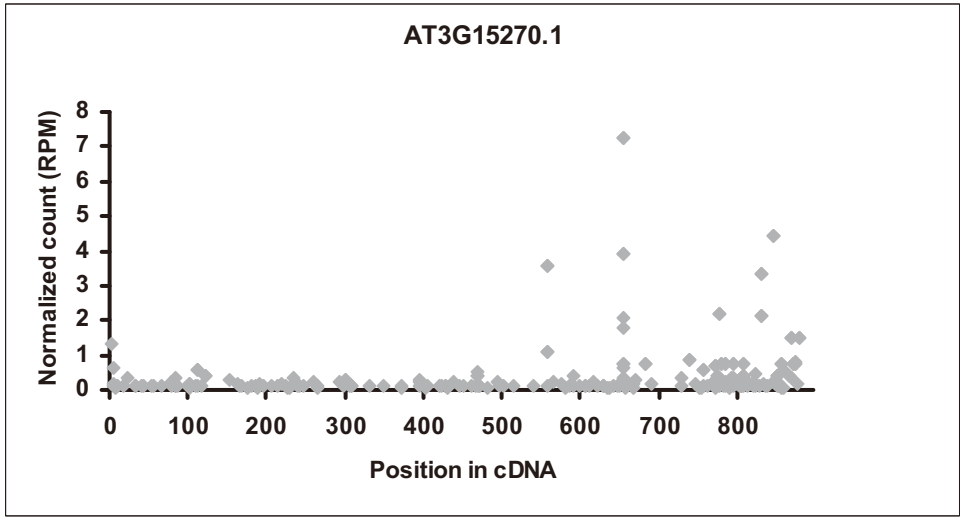

ath-miR169a/b/c/h/i/j/k/l/m/n
AxIRP
GSM278335
TWF
Tx4F
Normalized count (RPM)
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
1192
1202
1212
1222
1232
1242
1252
Position in cDNA

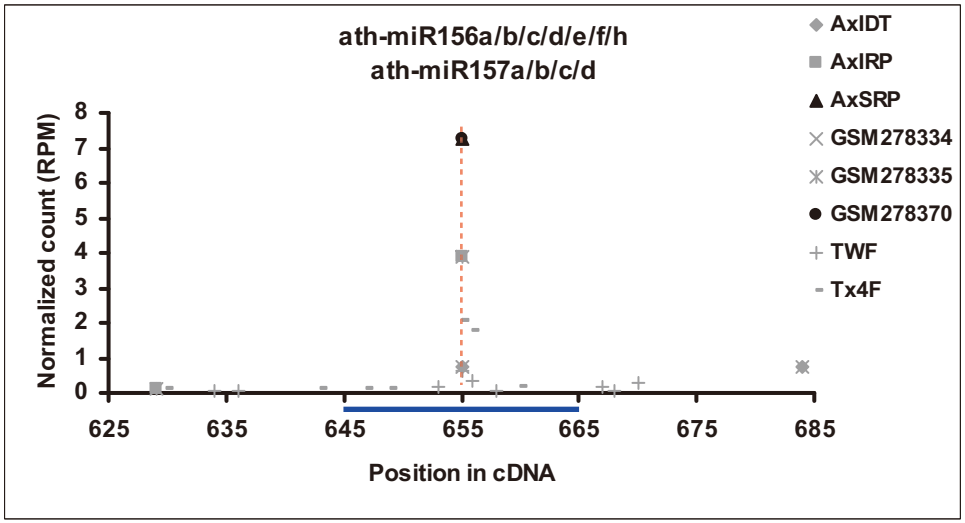

AT5G12840.3
Normalized count (RPM)
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
150
300
450
600
750
900
1050
1200
1350
Position in cDNA

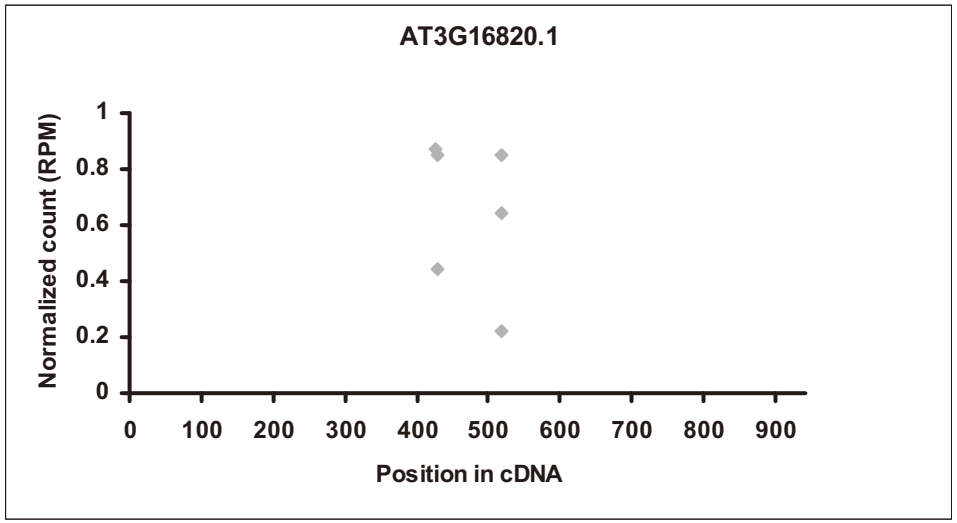

ath-miR169a/b/c/h/i/j/k/l/m/n
AxIRP
GSM278335
TWF
Tx4F
Normalized count (RPM)
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
1199
1209
1219
1229
1239
1249
1259
Position in cDNA

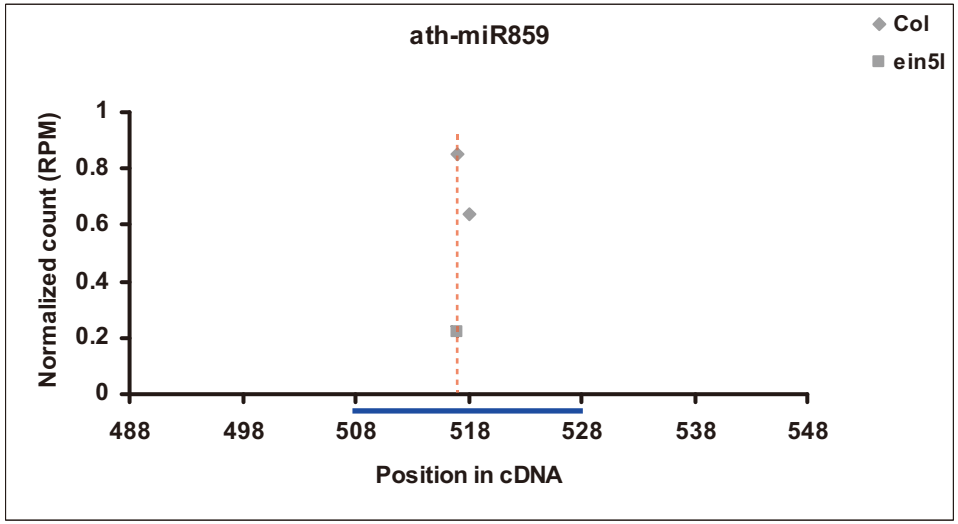

AT5G12840.4
Normalized count (RPM)
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
150
300
450
600
750
900
1050
1200
1350
Position in cDNA

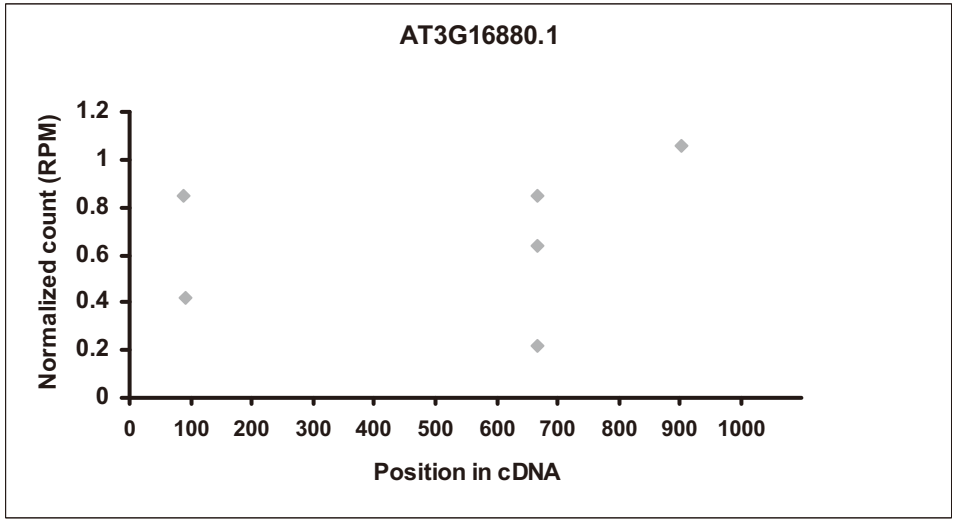

ath-miR169a/b/c/h/i/j/k/l/m/n
AxIRP
GSM278335
TWF
Tx4F
Normalized count (RPM)
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
1099
1109
1119
1129
1139
1149
1159
Position in cDNA

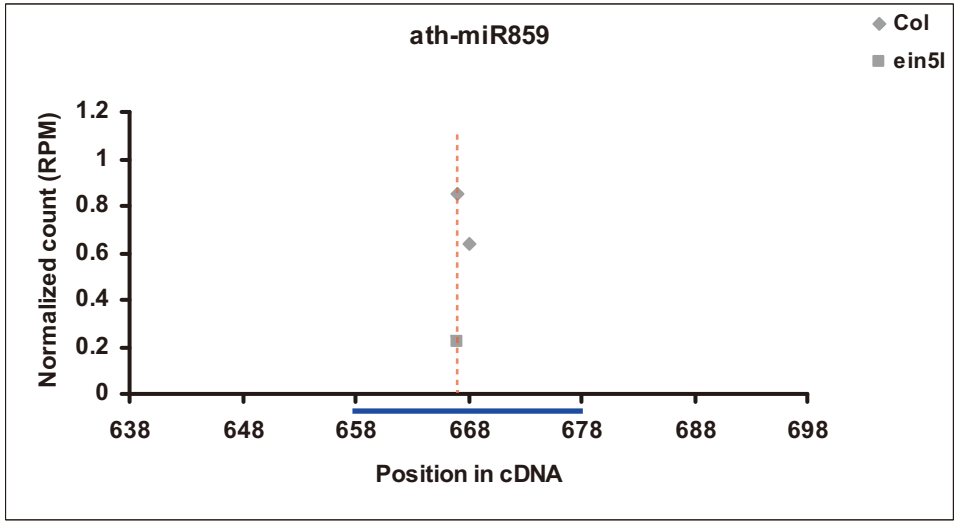

AT3G15270.1
Normalized count (RPM)
8
7
6
5
4
3
2
1
0
0
100
200
300
400
500
600
700
800
Position in cDNA

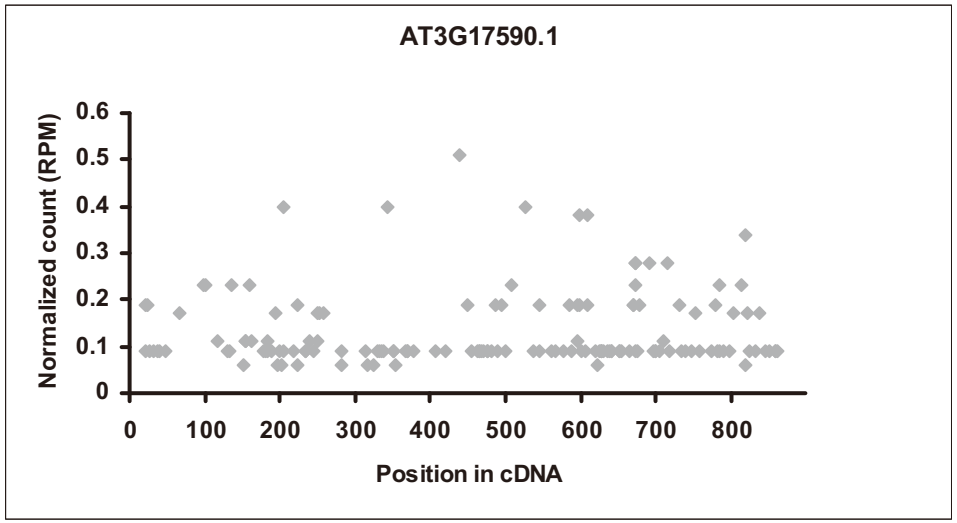

ath-miR156a/b/c/d/e/f/h
ath-miR157a/b/c/d
AxIDT
AxIRP
AxSRP
GSM278334
GSM278335
GSM278370
TWF
Tx4F
Normalized count (RPM)
8
7
6
5
4
3
2
1
0
625
635
645
655
665
675
685
Position in cDNA

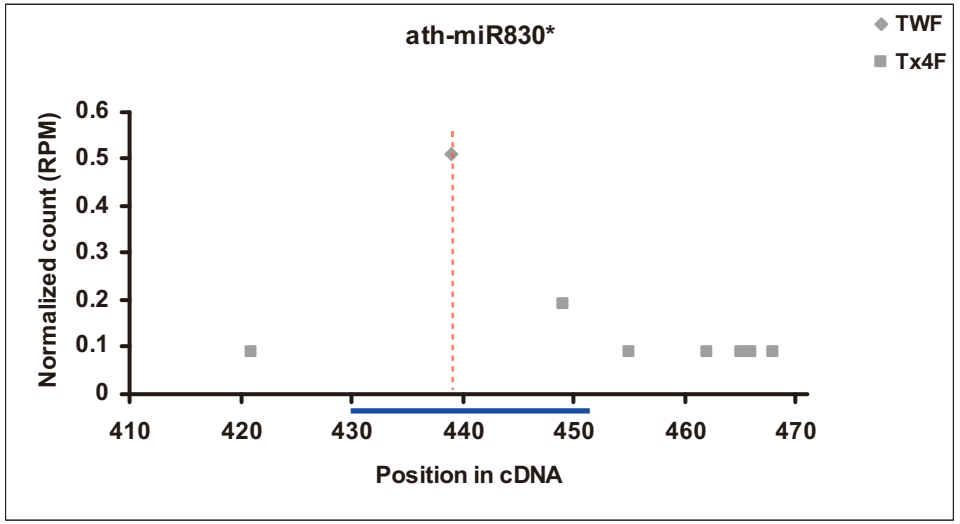

AT3G16820.1
Normalized count (RPM)
1
0.8
0.6
0.4
0.2
0
0
100
200
300
400
500
600
700
800
900
Position in cDNA

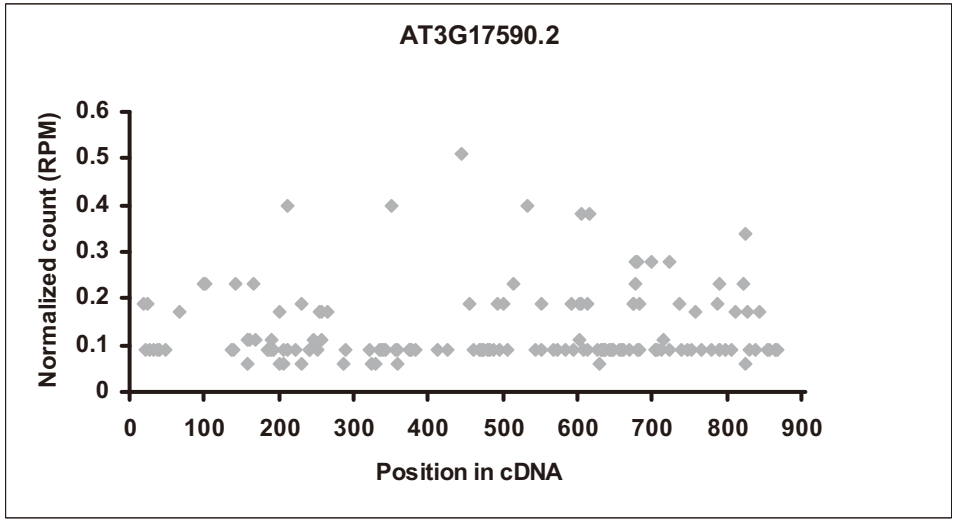

ath-miR859
Col
ein5l
Normalized count (RPM)
1
0.8
0.6
0.4
0.2
0
488
498
508
518
528
538
548
Position in cDNA

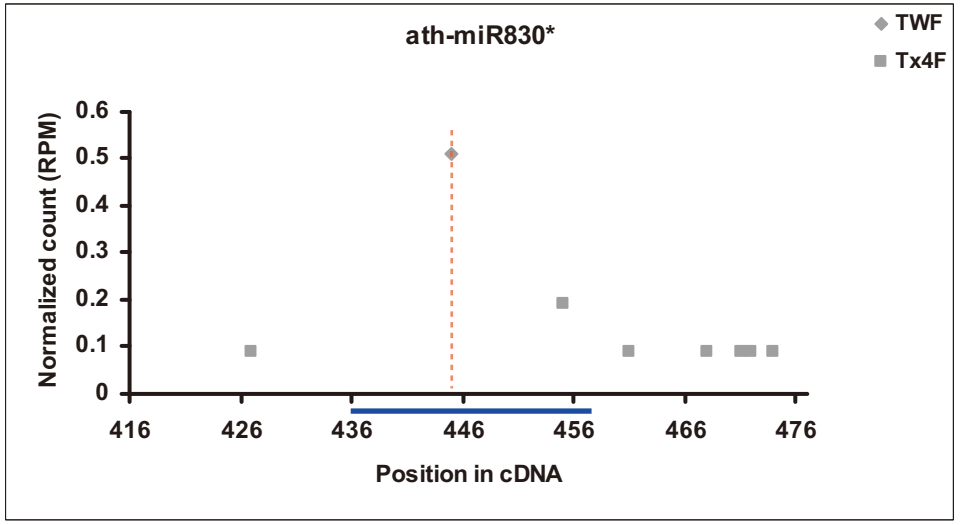

AT3G16880.1
Normalized count (RPM)
1.2
1
0.8
0.6
0.4
0.2
0
0
100
200
300
400
500
600
700
800
900
1000
Position in cDNA

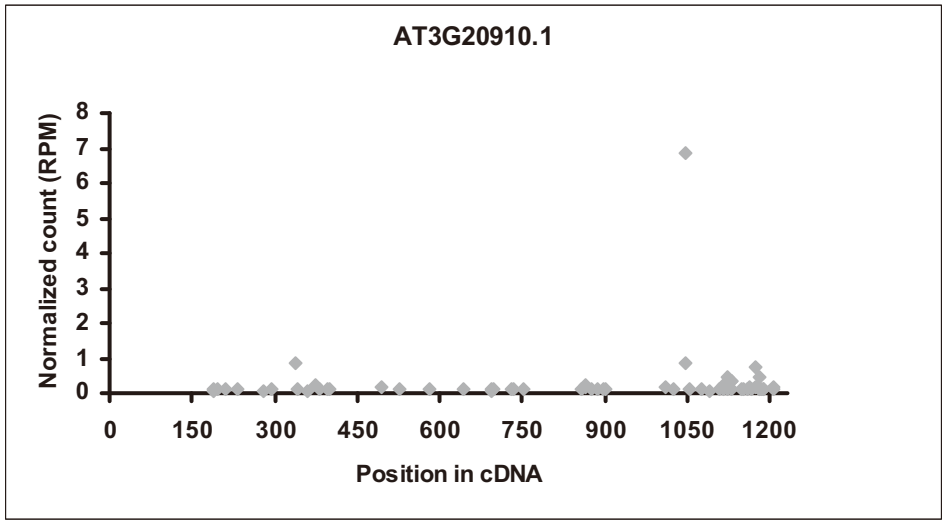

ath-miR859
Col
ein5l
Normalized count (RPM)
1.2
1
0.8
0.6
0.4
0.2
0
638
648
658
668
678
688
698
Position in cDNA

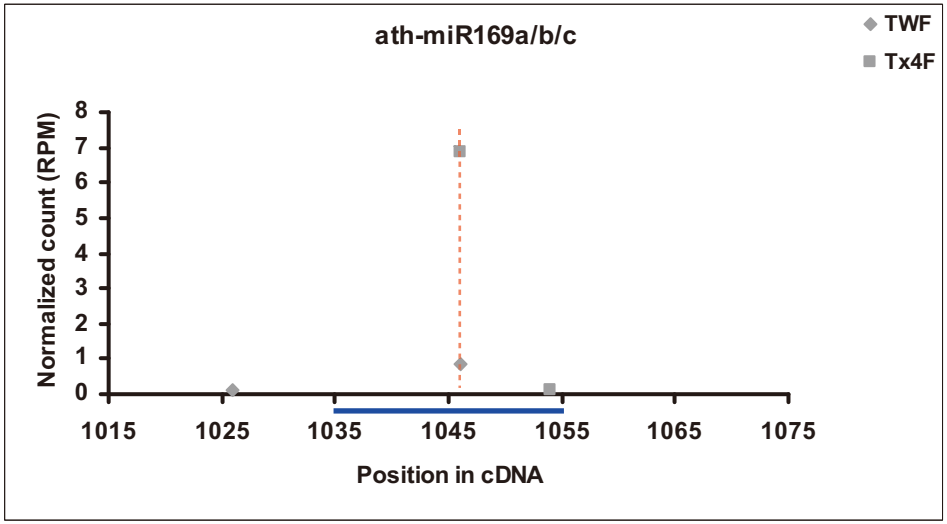

AT3G17590.1
Normalized count (RPM)
0.6
0.5
0.4
0.3
0.2
0.1
0
0
100
200
300
400
500
600
700
800
Position in cDNA

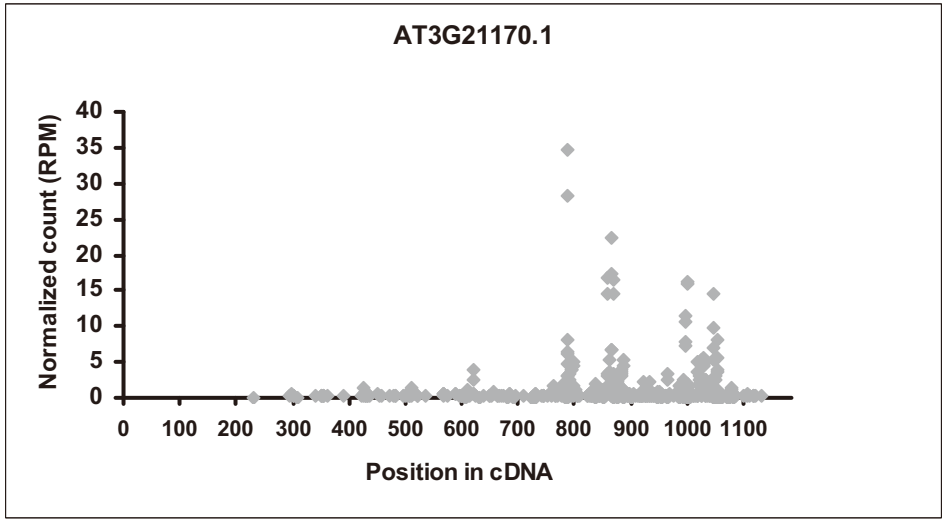

ath-miR830*
TWF
Tx4F
Normalized count (RPM)
0.6
0.5
0.4
0.3
0.2
0.1
0
410
420
430
440
450
460
470
Position in cDNA

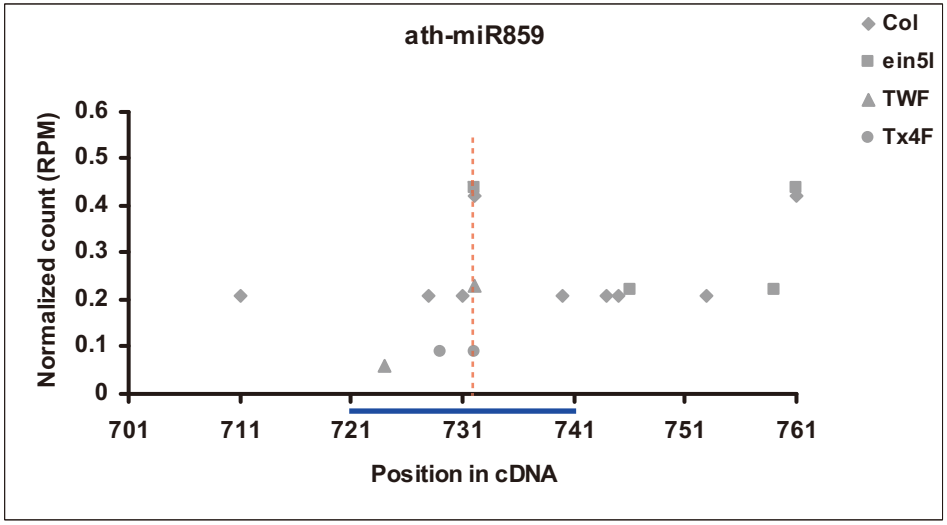

AT3G17590.2
Normalized count (RPM)
0.6
0.5
0.4
0.3
0.2
0.1
0
0
100
200
300
400
500
600
700
800
900
Position in cDNA

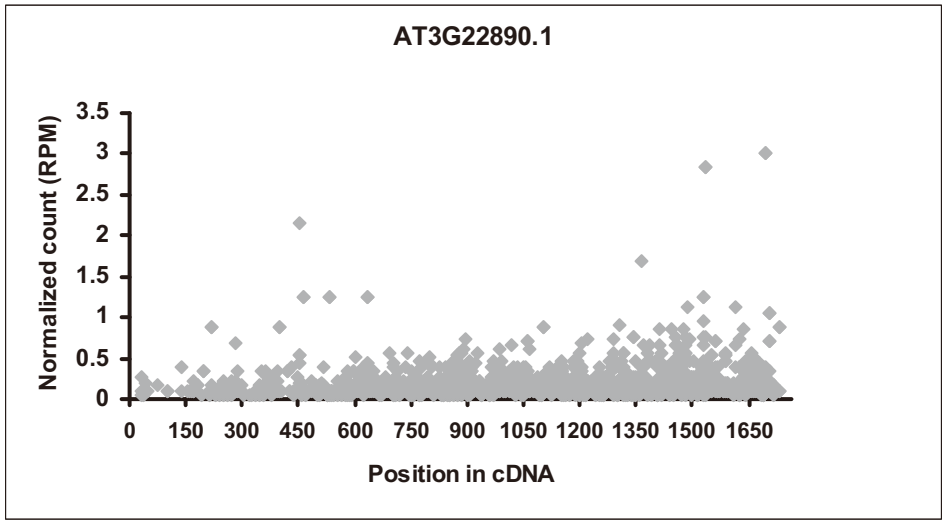

ath-miR830*
TWF
Tx4F
Normalized count (RPM)
0.6
0.5
0.4
0.3
0.2
0.1
0
416
426
436
446
456
466
476
Position in cDNA

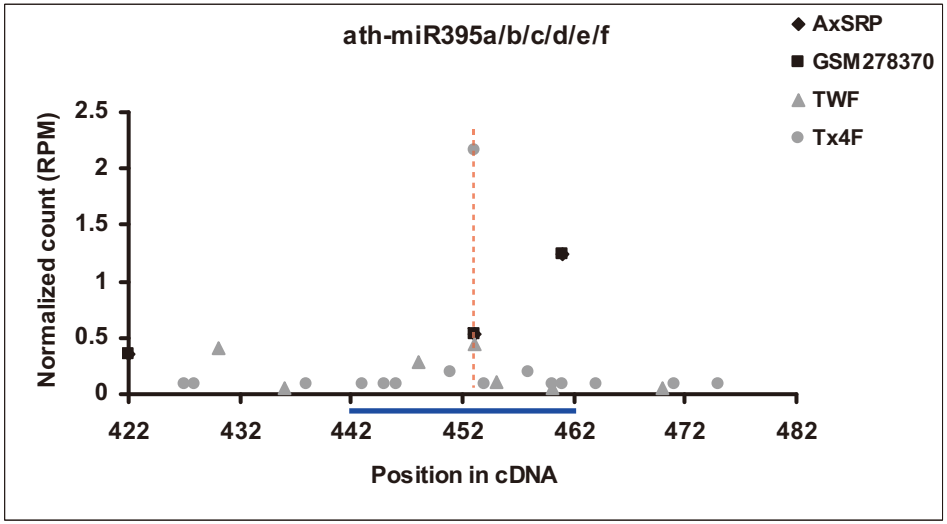

AT3G20910.1
Normalized count (RPM)
0
1
2
3
4
5
6
7
8
0
150
300
450
600
750
900
1050
1200
Position in cDNA


ath-miR169a/b/c
TWF
Tx4F
Normalized count (RPM)
0
1
2
3
4
5
6
7
8
1015
1025
1035
1045
1055
1065
1075
Position in cDNA


AT3G21170.1
Normalized count (RPM)
0
5
10
15
20
25
30
35
40
0
100
200
300
400
500
600
700
800
900
1000
1100
Position in cDNA


ath-miR859
Col
ein5l
TWF
Tx4F
Normalized count (RPM)
0
0.1
0.2
0.3
0.4
0.5
0.6
701
711
721
731
741
751
761
Position in cDNA


AT3G22890.1
Normalized count (RPM)
3.5
3
2.5
2
1.5
1
0.5
0
0
150
300
450
600
750
900
1050
1200
1350
1500
1650
Position in cDNA


ath-miR395a/b/c/d/e/f
AxSRP
GSM278370
TWF
Tx4F
Normalized count (RPM)
2.5
2
1.5
1
0.5
0
422
432
442
452
462
472
482
Position in cDNA