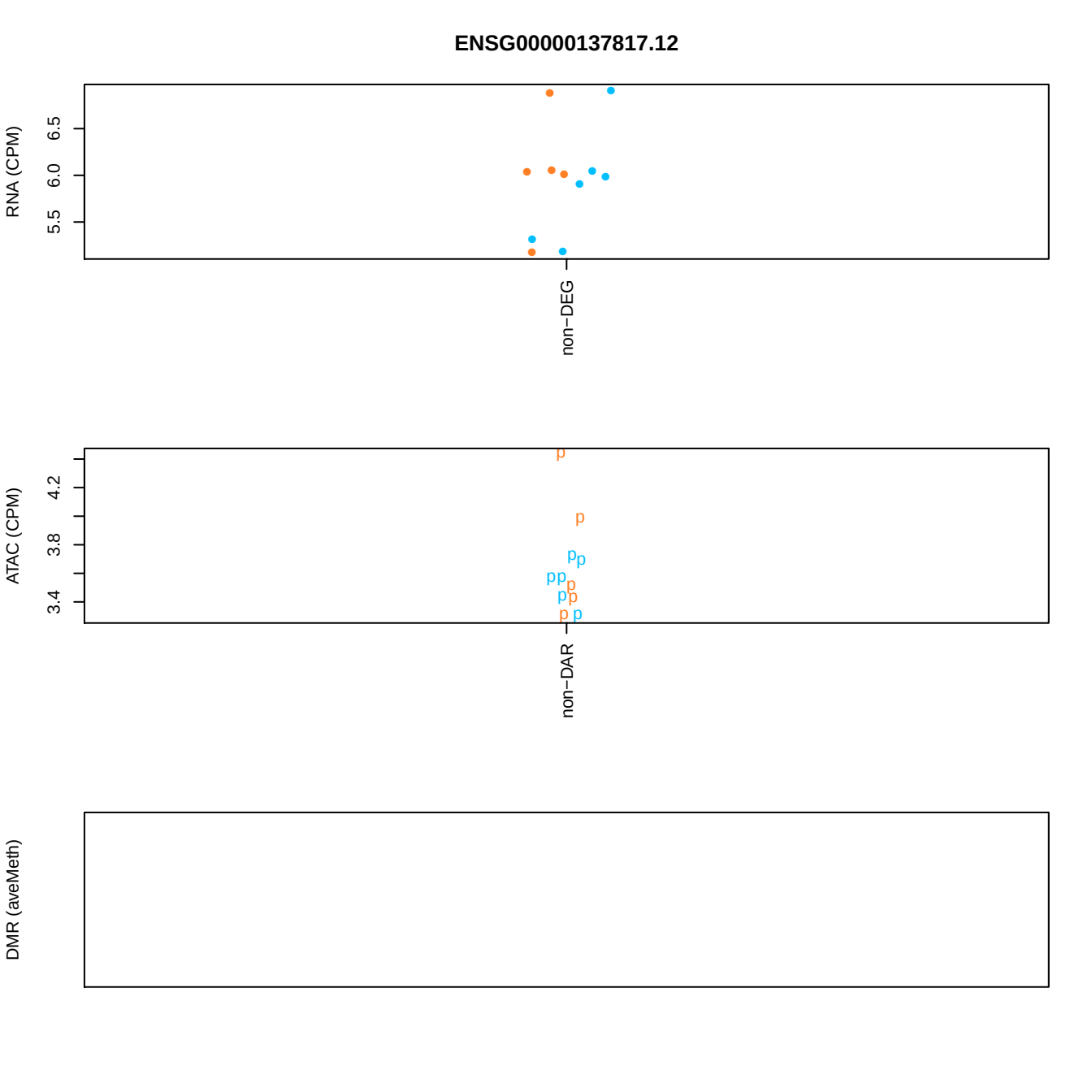
ENSG00000137817.12
RNA (CPM)
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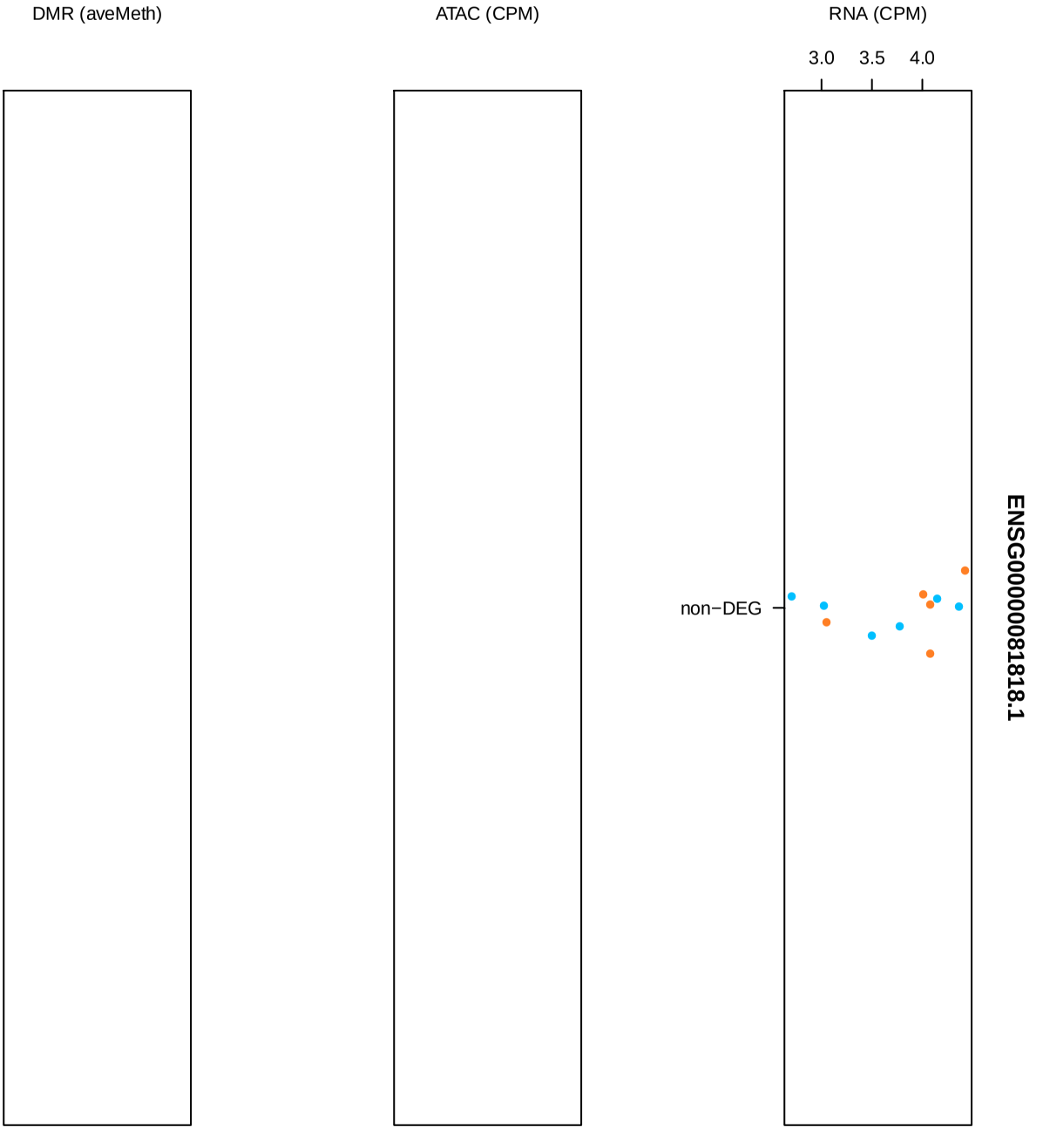
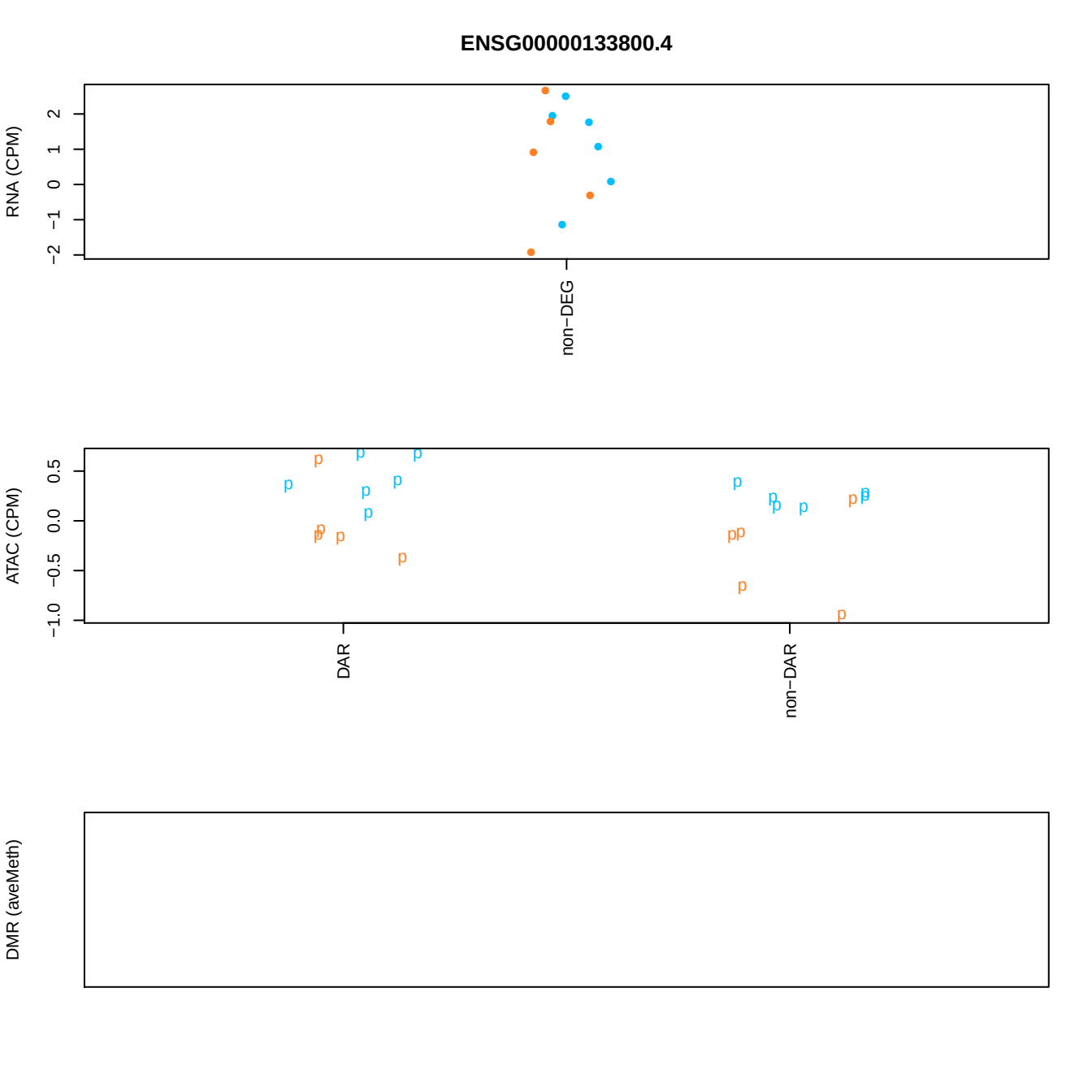
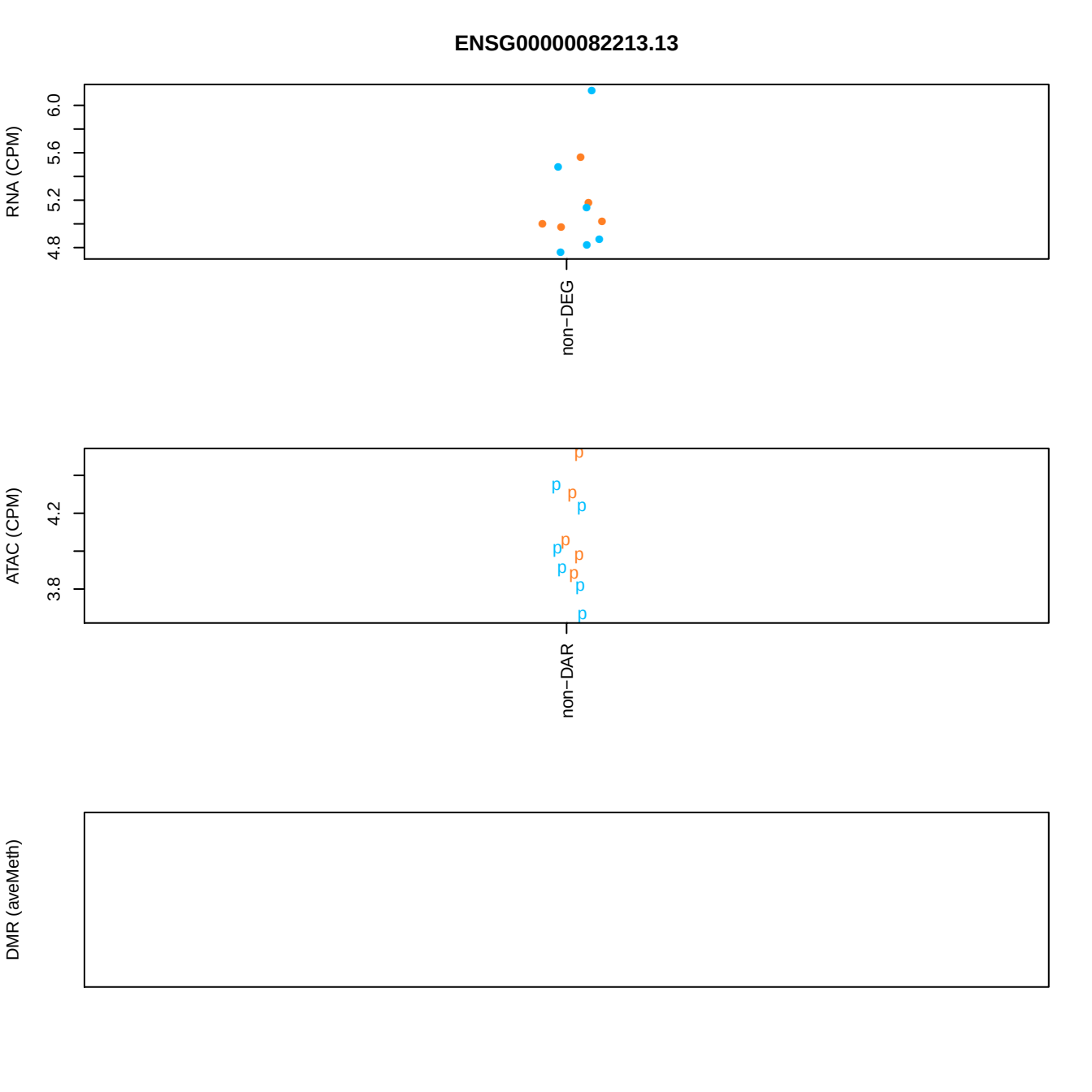
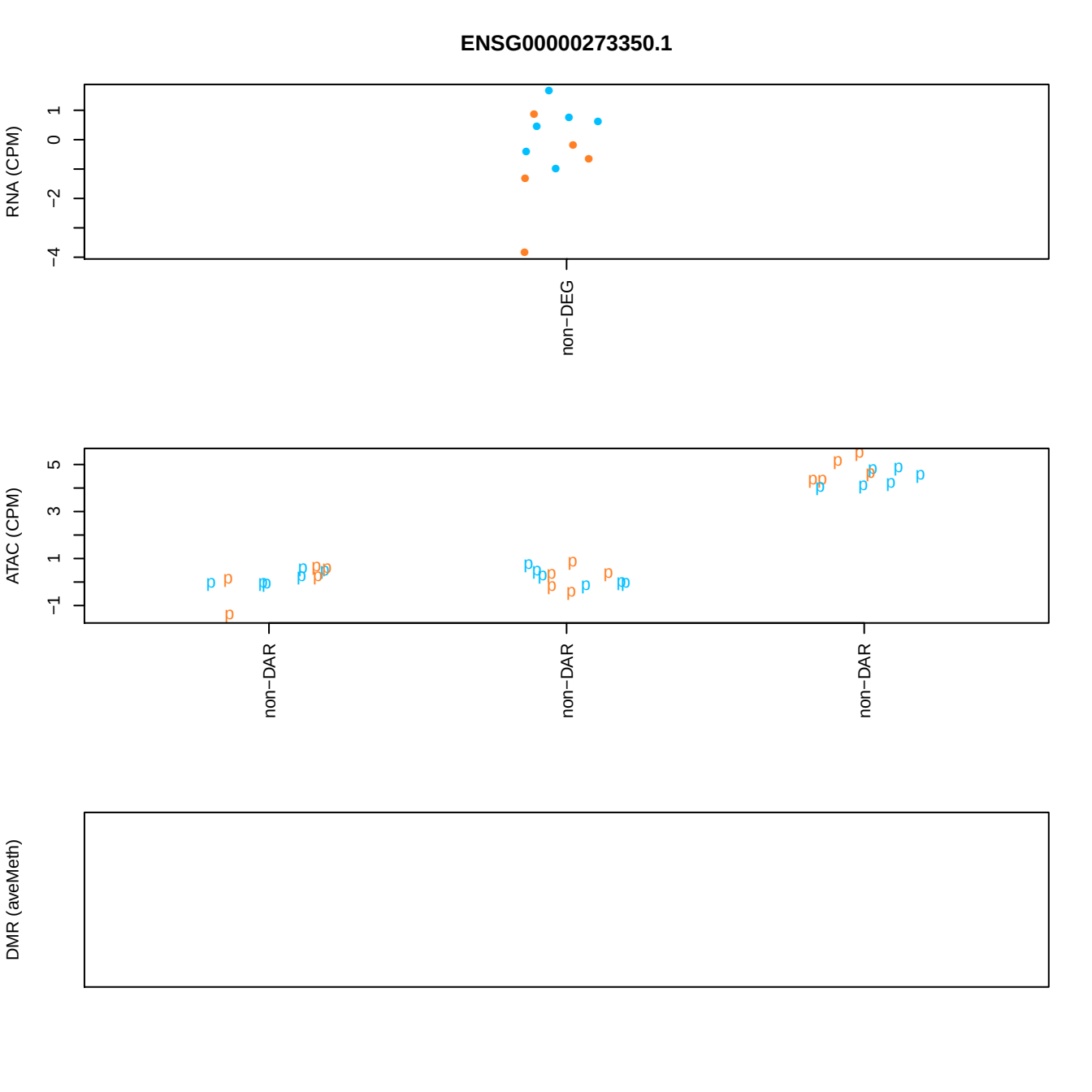
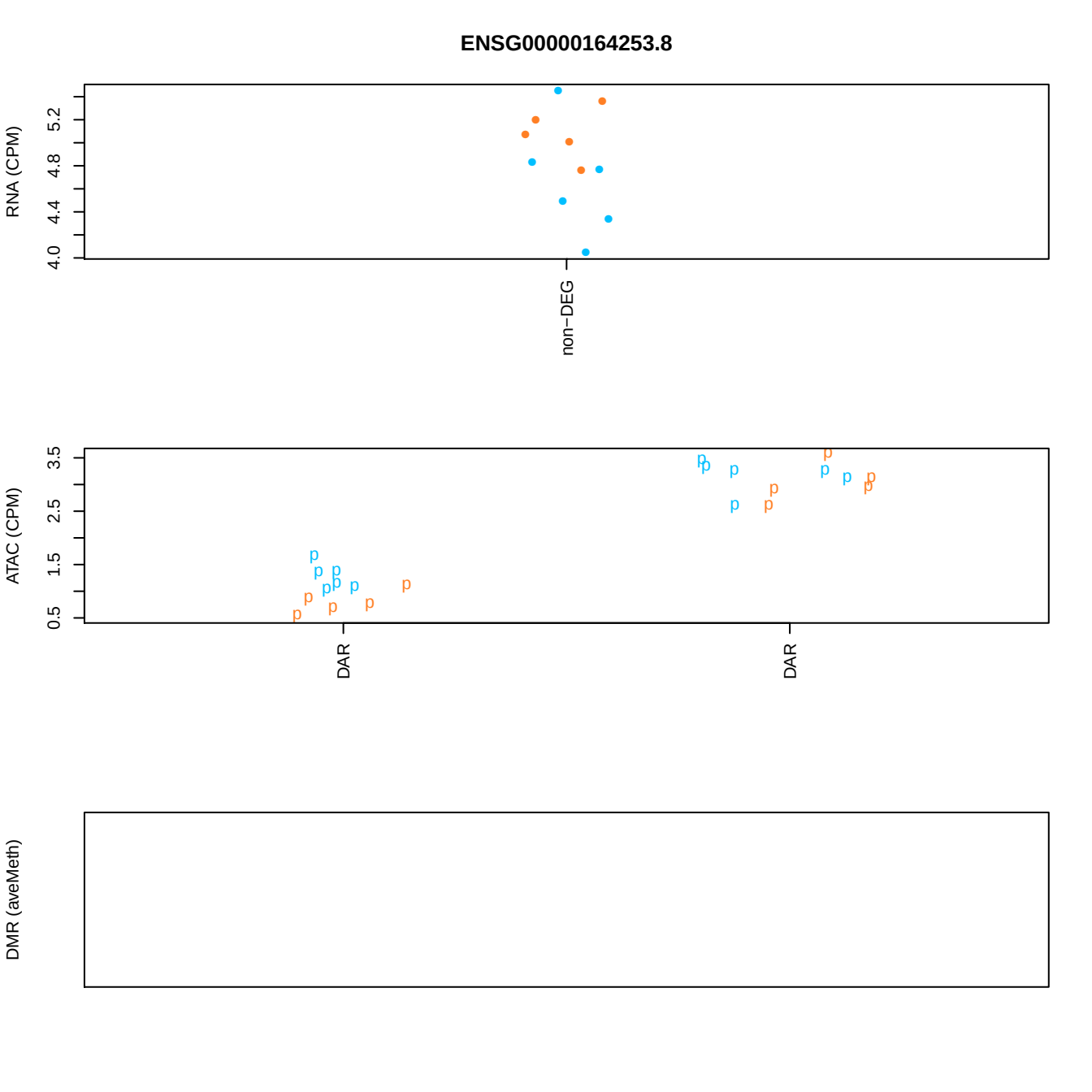
6.0
6.5
non−DEG
ATAC (CPM)
3.4
3.8
4.2
non−DAR
DMR (aveMeth)

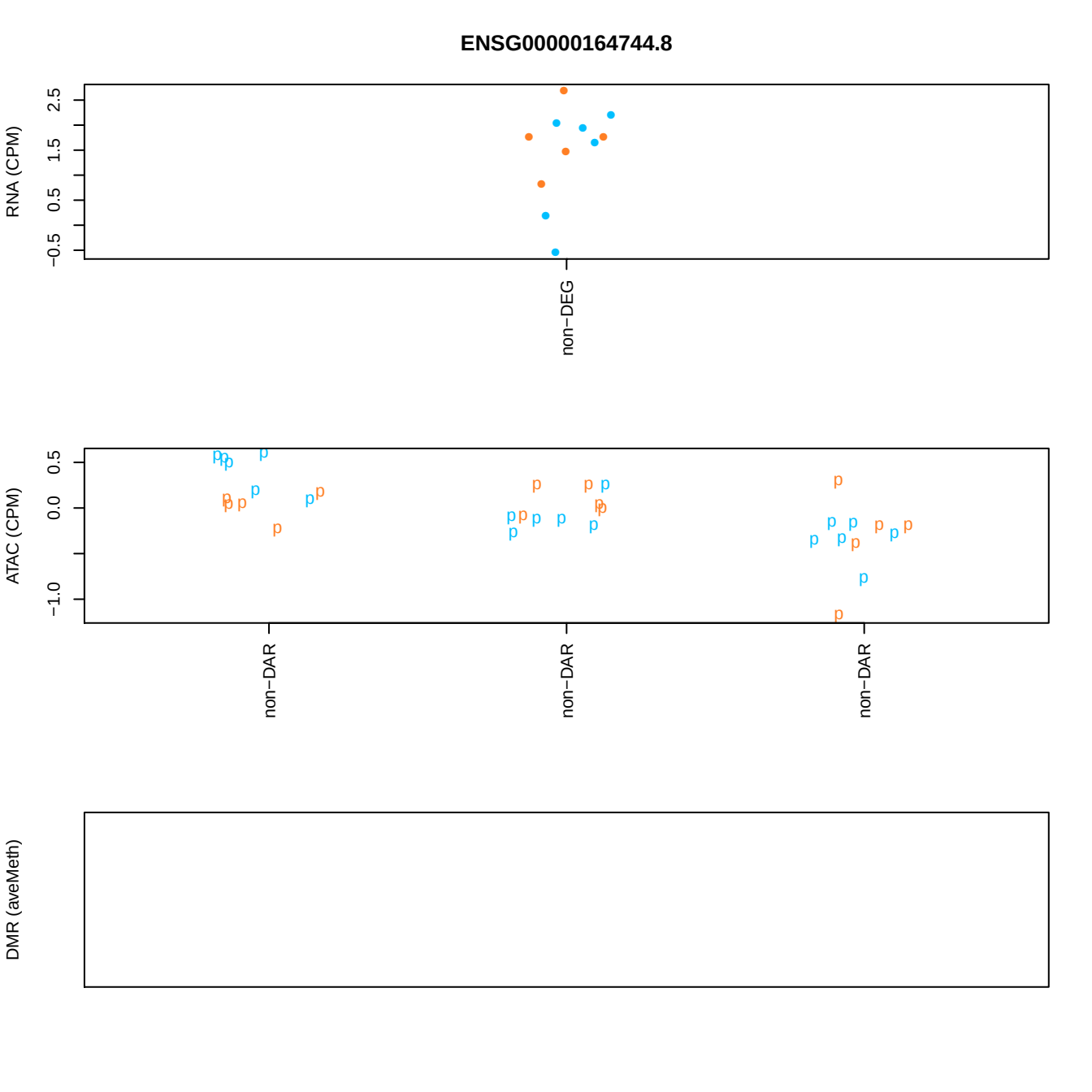

DMR (aveMeth)
ATAC (CPM)
RNA (CPM)
3.0
3.5
4.0
non−DEG
ENSG00000081818.1


ENSG00000133800.4
RNA (CPM)
2
1
0
−1
−2
non−DEG
ATAC (CPM)
0.5
0.0
−0.5
−1.0
DAR
non−DAR
DMR (aveMeth)


ENSG00000082213.13
RNA (CPM)
6.0
5.6
5.2
4.8
non−DEG
ATAC (CPM)
4.2
3.8
non−DAR
DMR (aveMeth)


ENSG00000273350.1
RNA (CPM)
−4
−2
0
1
non−DEG
ATAC (CPM)
−1
1
3
5
non−DAR
non−DAR
non−DAR
DMR (aveMeth)


ENSG00000164253.8
RNA (CPM)
4.0
4.4
4.8
5.2
non−DEG
ATAC (CPM)
0.5
1.5
2.5
3.5
DAR
DAR
DMR (aveMeth)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RNA (CPM)
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0.5
1.5
2.5
non−DEG
ATAC (CPM)
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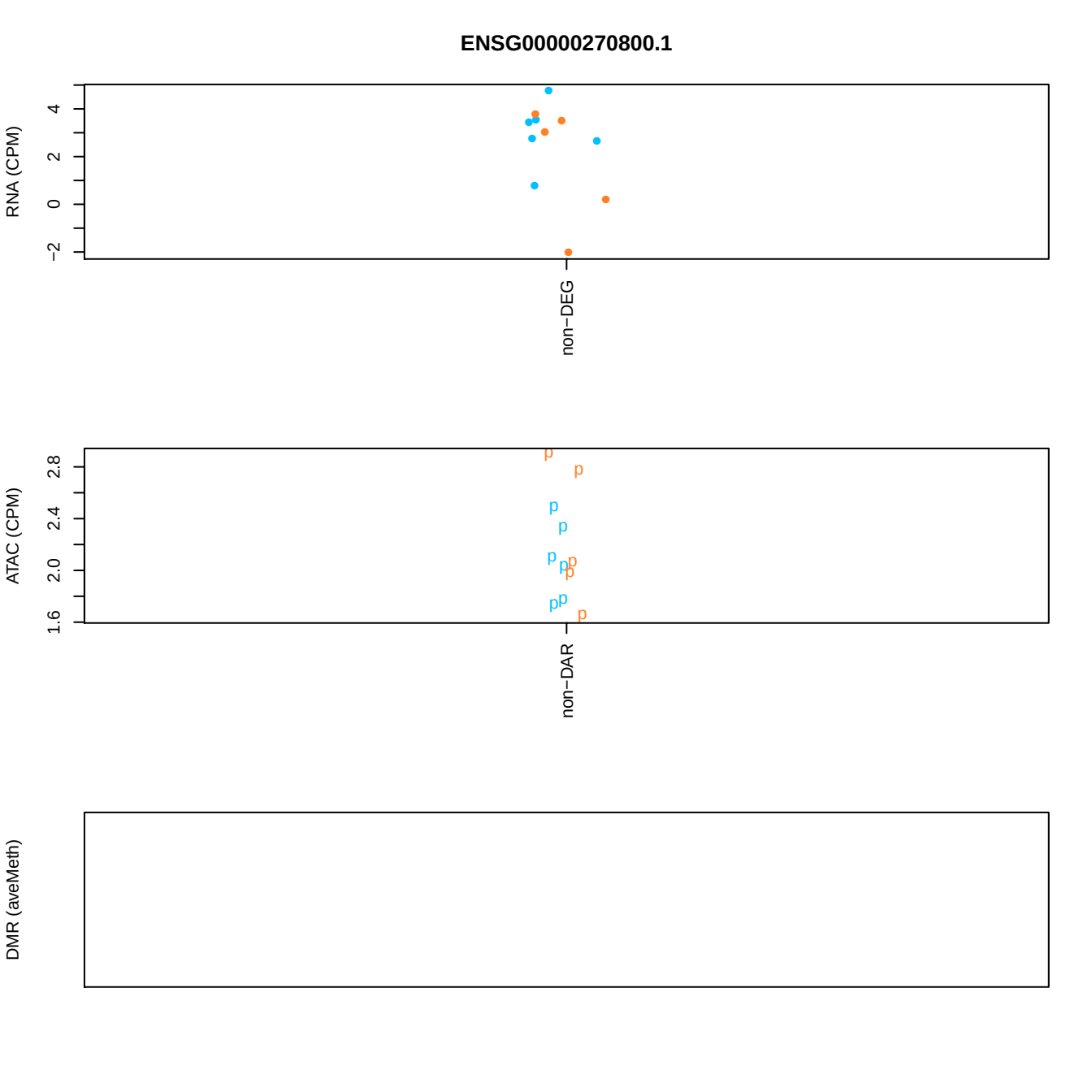
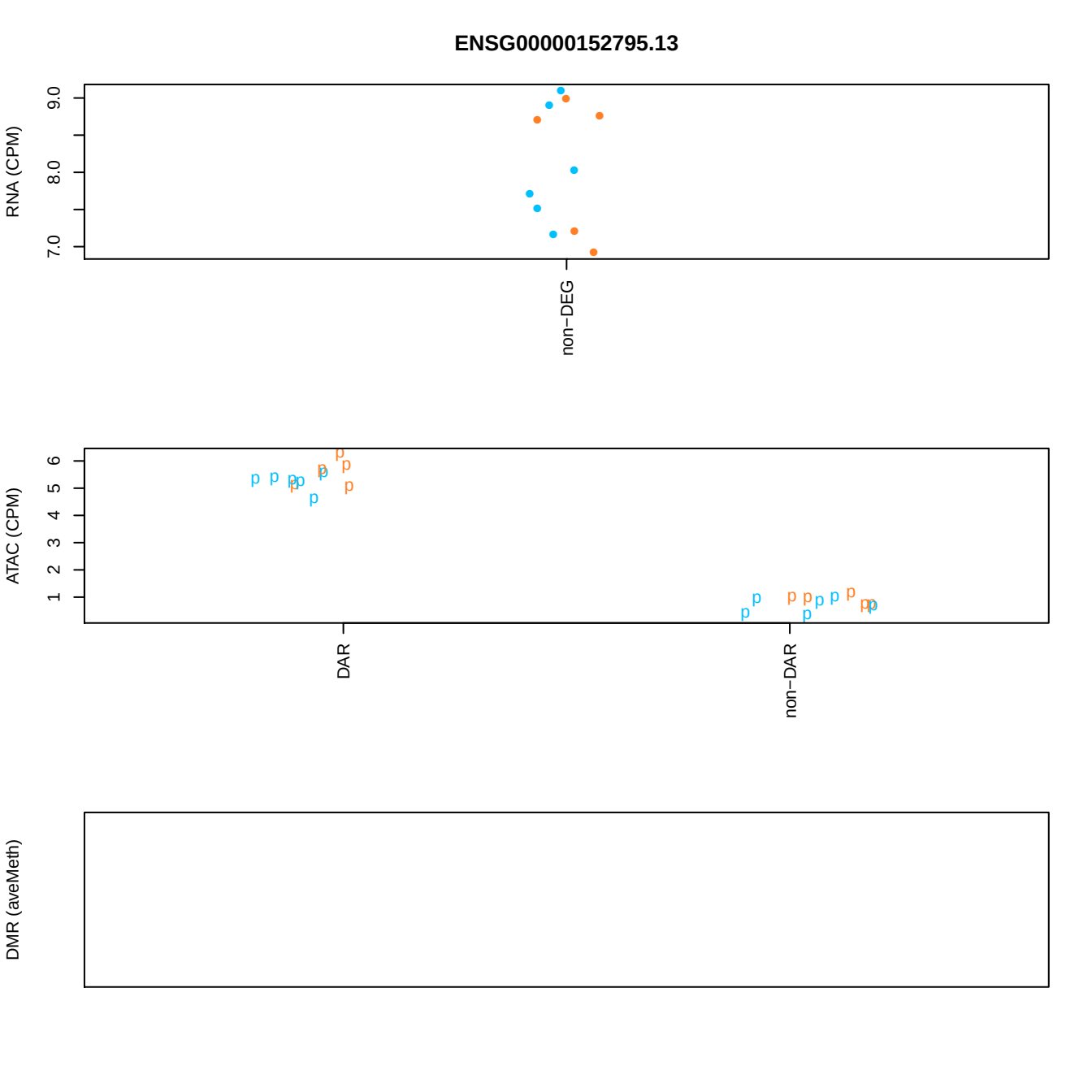
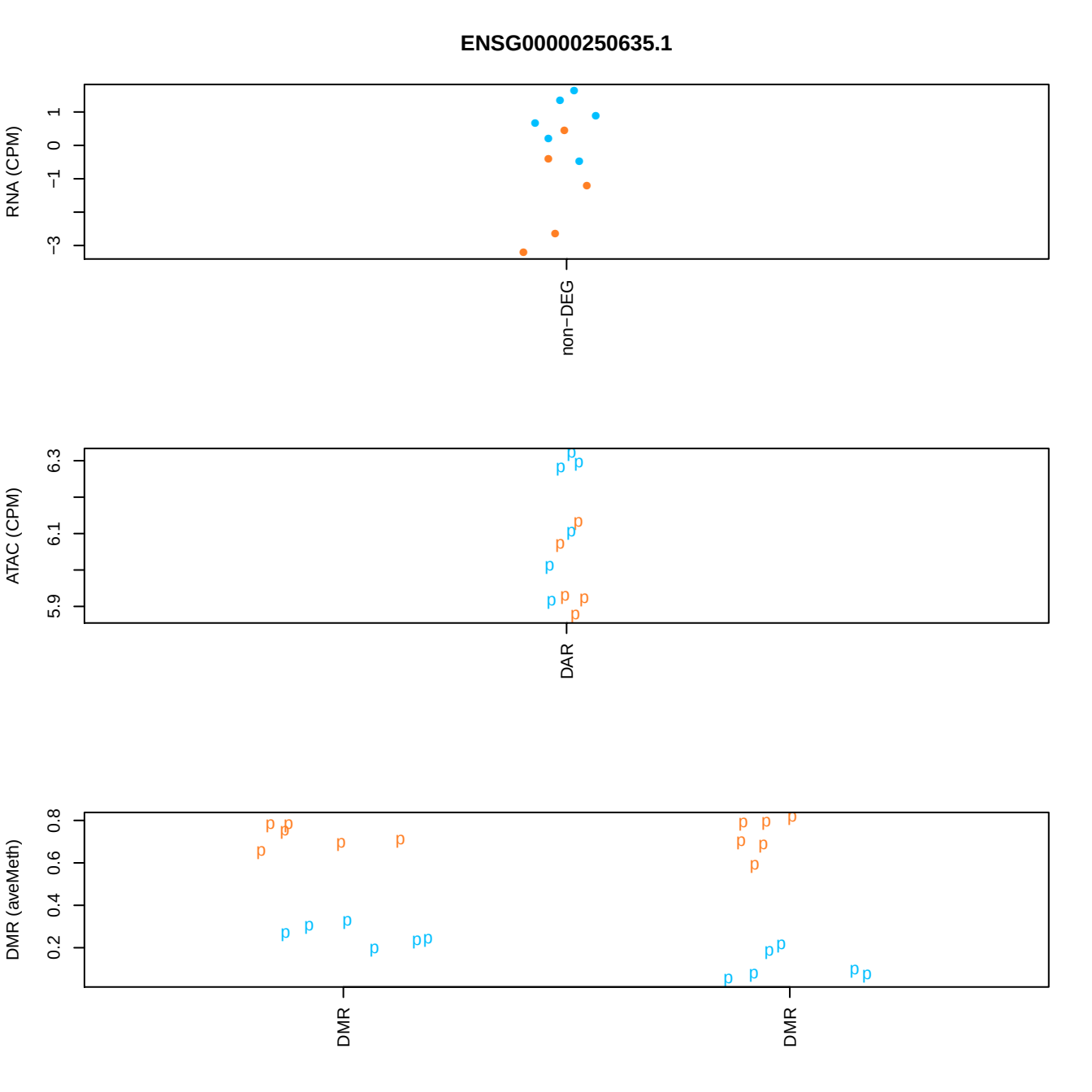
0.0
0.5
non−DAR
non−DAR
non−DAR
DMR (aveMeth)


ENSG00000270800.1
RNA (CPM)
4
2
0
−2
non−DEG
ATAC (CPM)
2.8
2.4
2.0
1.6
non−DAR
DMR (aveMeth)


ENSG00000152795.13
RNA (CPM)
9.0
8.0
7.0
non−DEG
ATAC (CPM)
6
5
4
3
2
1
DAR
non−DAR
DMR (aveMeth)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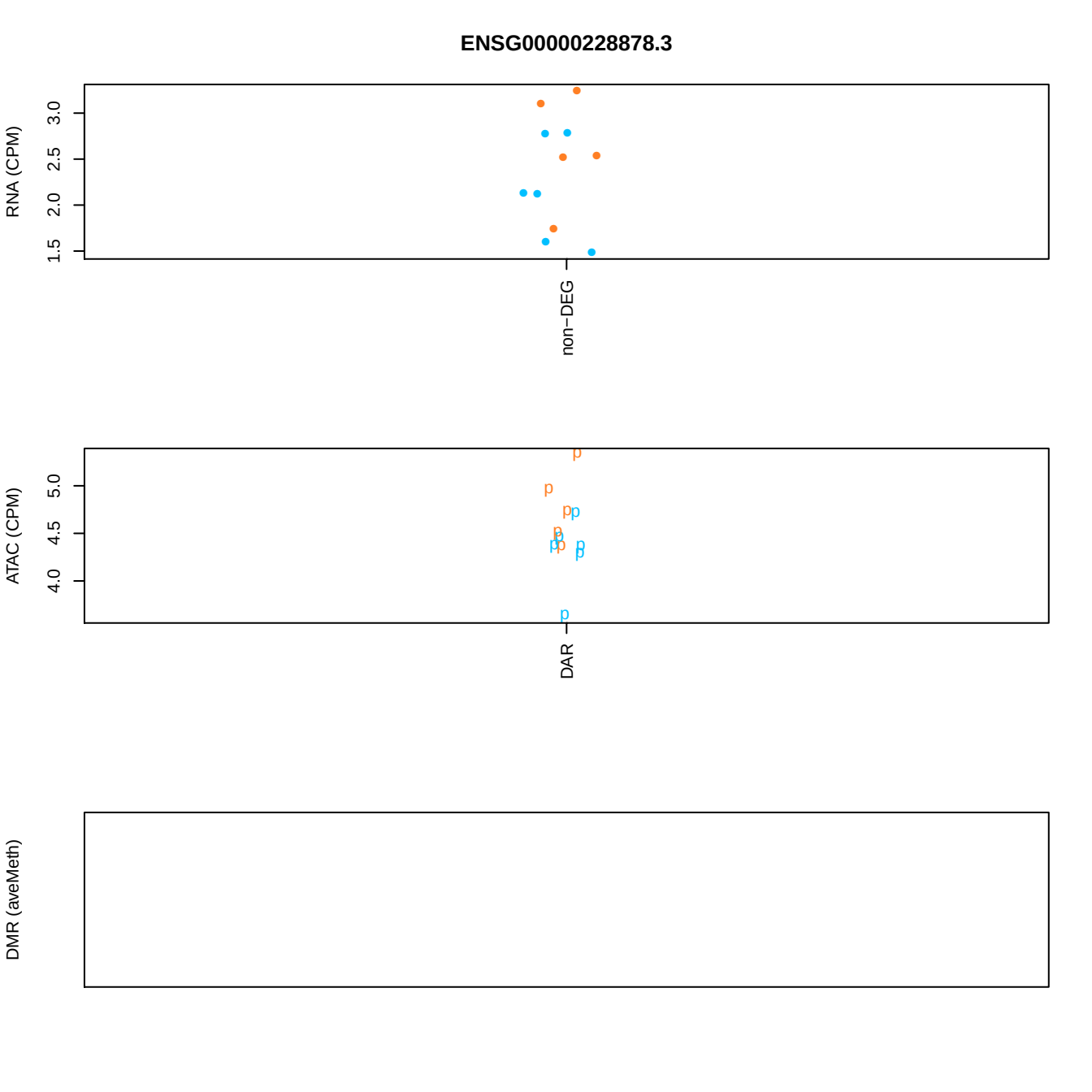
RNA (CPM)
1
0
−1
−3
non−DEG
ATAC (CPM)
6.3
6.1
5.9
DAR
DMR (aveMeth)
0.8
0.6
0.4
0.2
DMR
DMR


ENSG00000228878.3
RNA (CPM)
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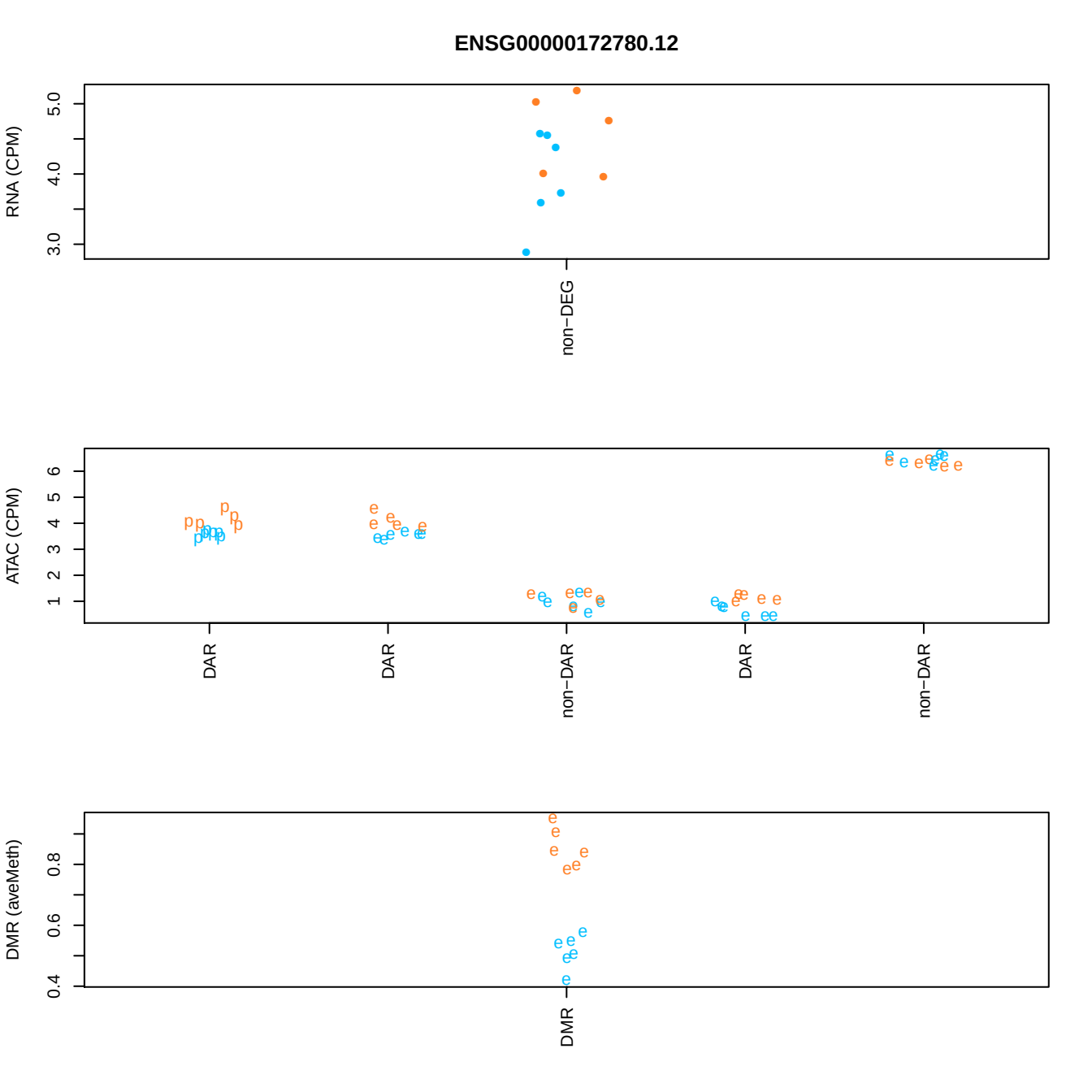
2.0
2.5
3.0
non−DEG
ATAC (CPM)
4.0
4.5
5.0
DAR
DMR (aveMeth)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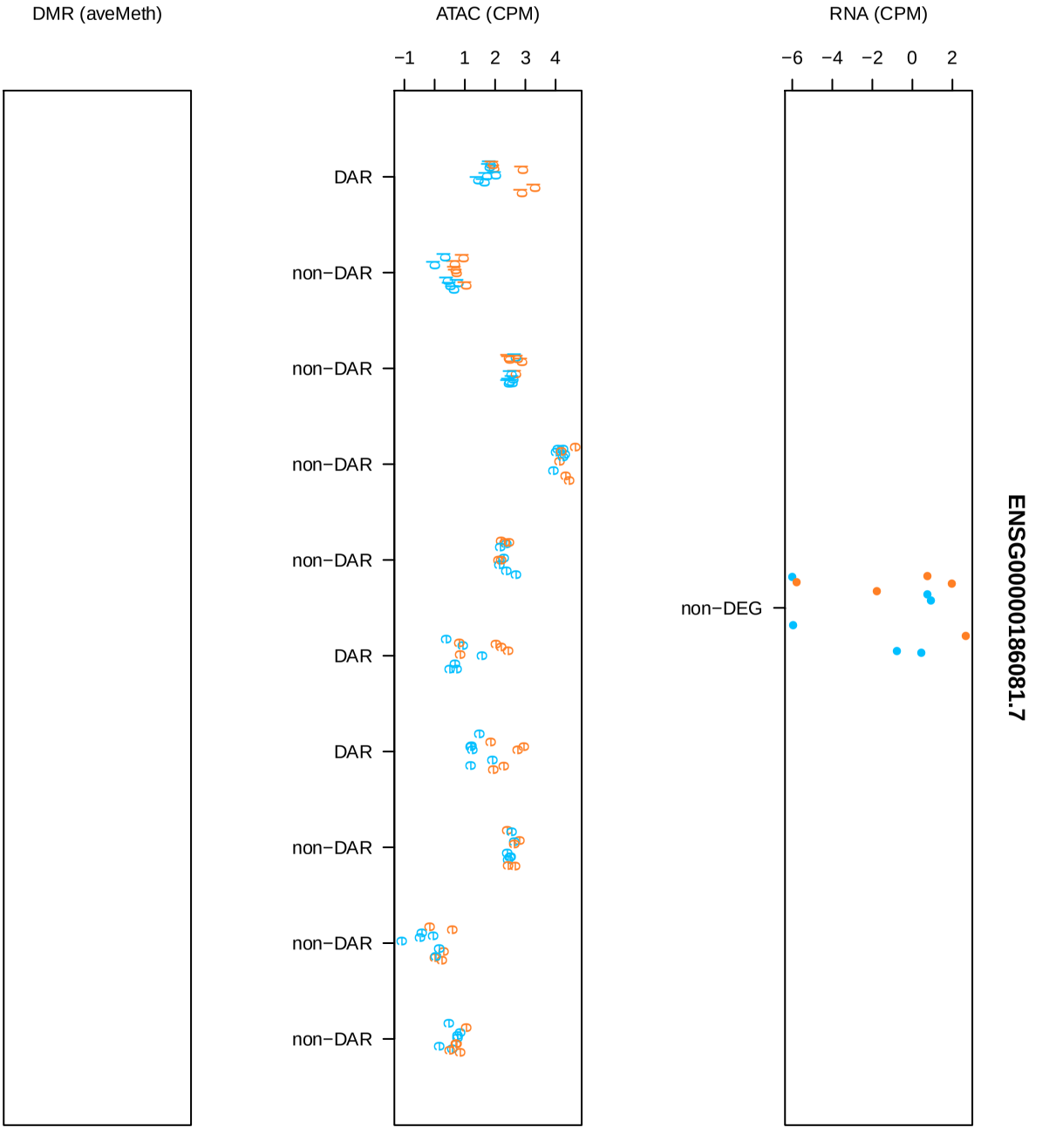
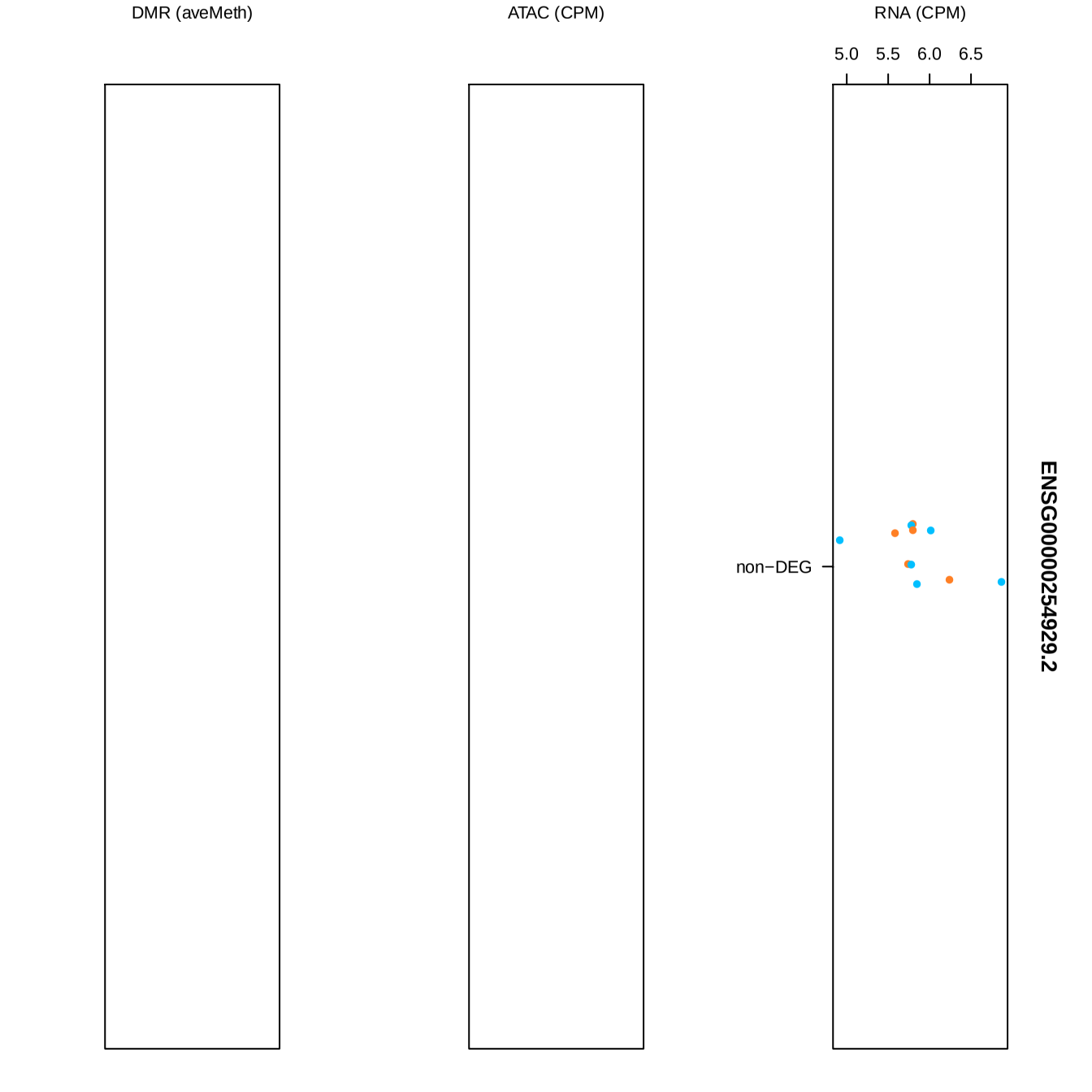
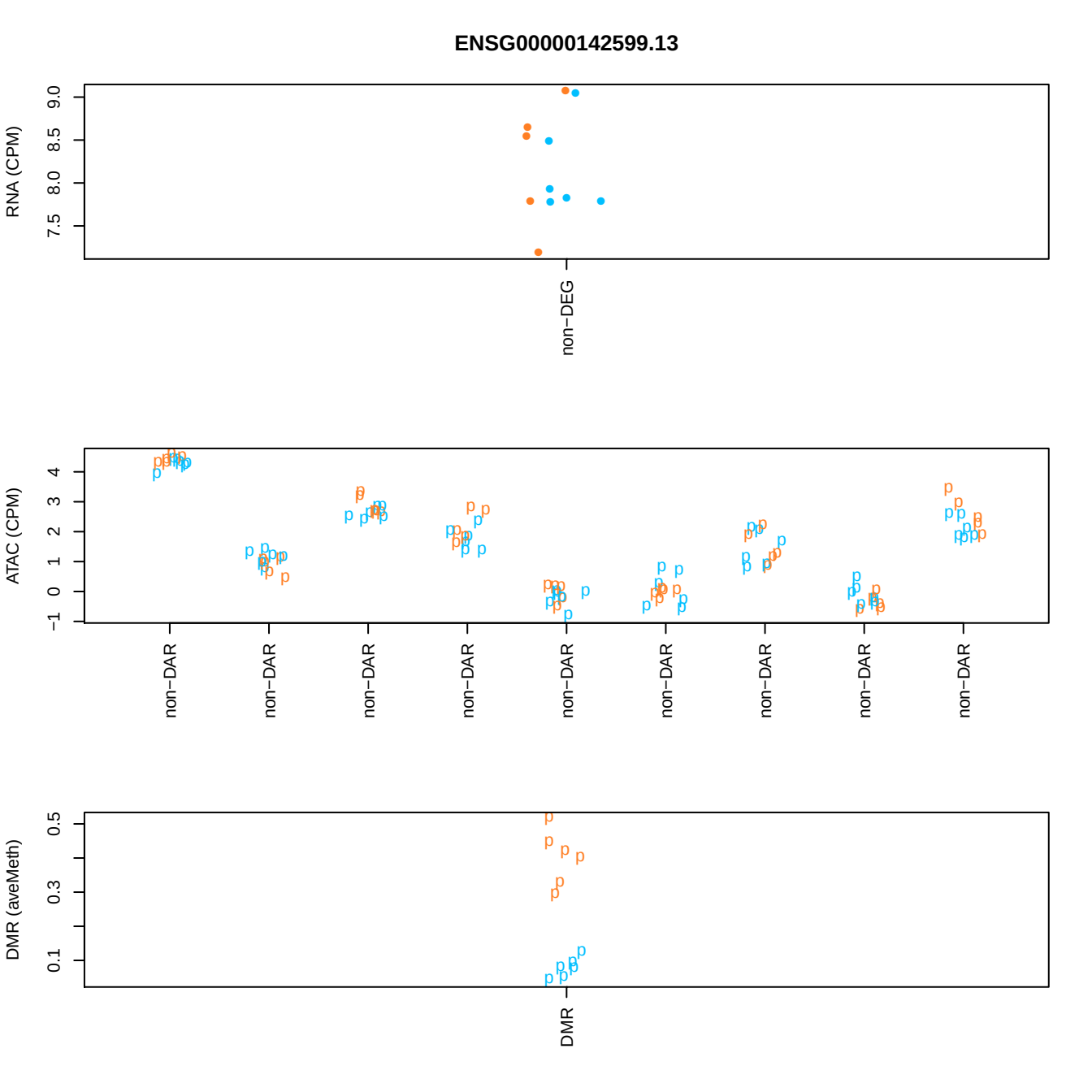
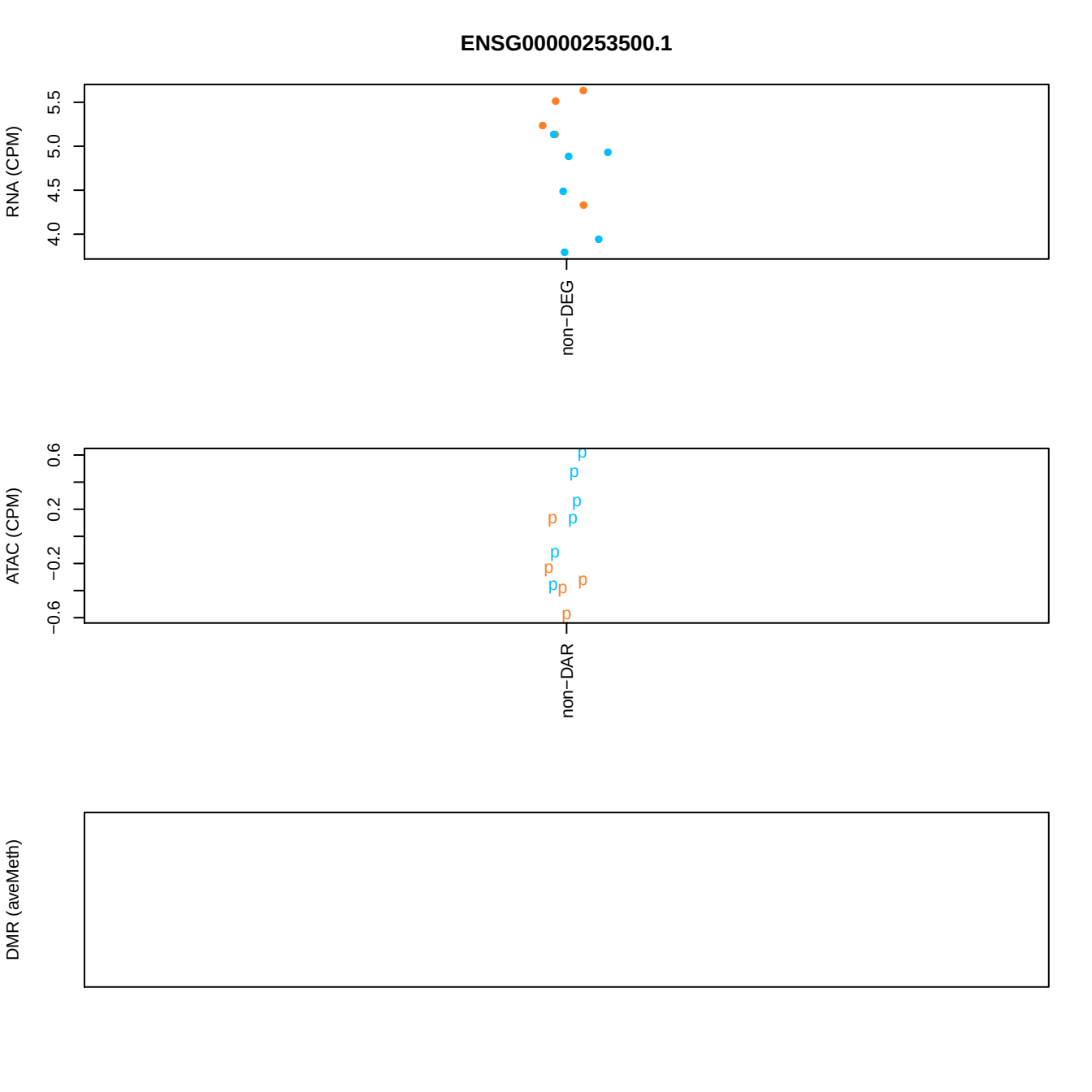
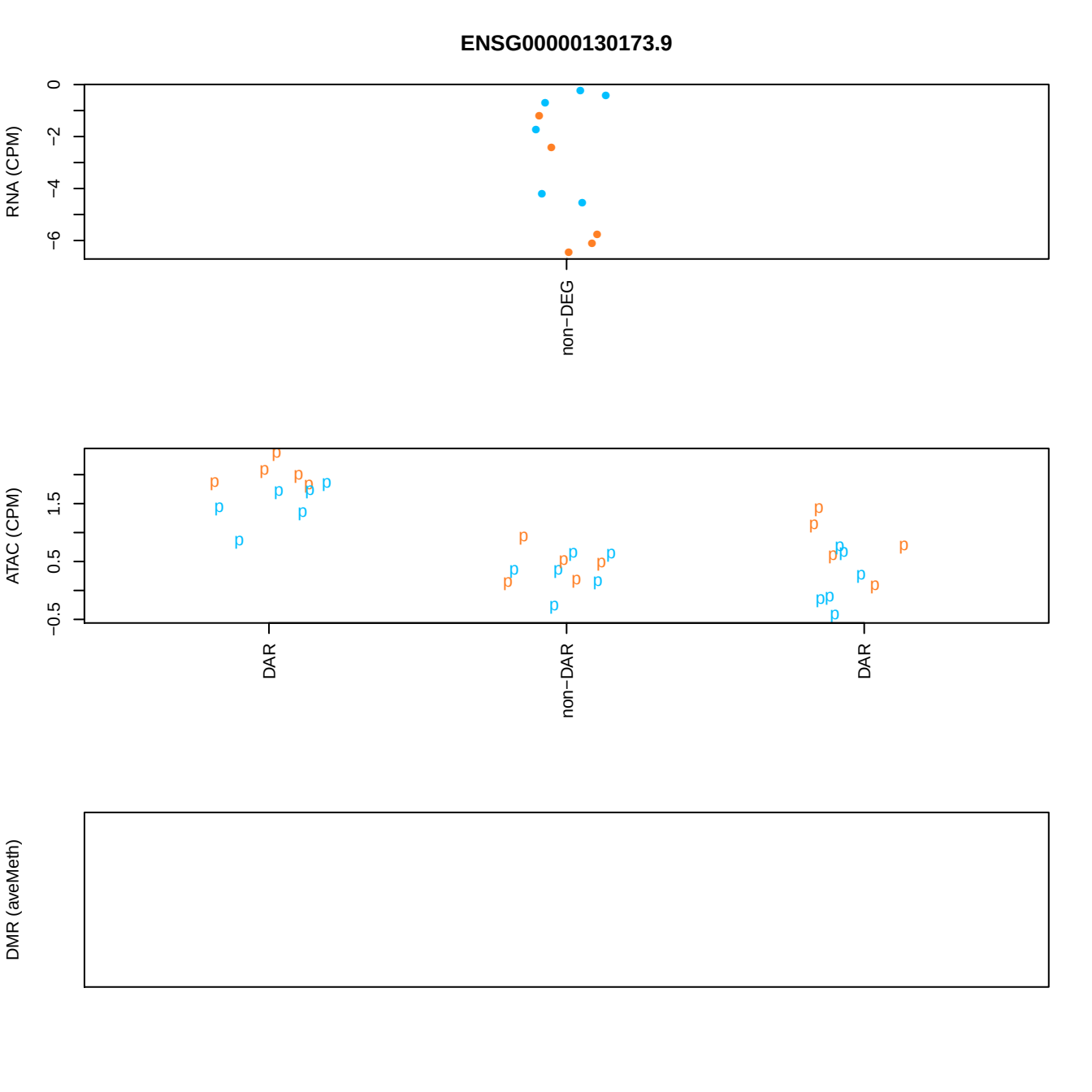
RNA (CPM)
3.0
4.0
5.0
non−DEG
ATAC (CPM)
1
2
3
4
5
6
DAR
DAR
non−DAR
DAR
non−DAR
DMR (aveMeth)
0.4
0.6
0.8
DMR


DMR (aveMeth)
ATAC (CPM)
−1
1
2
3
4
DAR
non−DAR
non−DAR
non−DAR
non−DAR
DAR
DAR
non−DAR
non−DAR
non−DAR
RNA (CPM)
−6
−4
−2
0
2
non−DEG
ENSG00000186081.7


DMR (aveMeth)
ATAC (CPM)
RNA (CPM)
5.0
5.5
6.0
6.5
non−DEG
ENSG00000254929.2


ENSG00000142599.13
RNA (CPM)
7.5
8.0
8.5
9.0
non−DEG
ATAC (CPM)
−1
0
1
2
3
4
non−DAR
non−DAR
non−DAR
non−DAR
non−DAR
non−DAR
non−DAR
non−DAR
non−DAR
DMR (aveMeth)
0.1
0.3
0.5
DMR


ENSG00000253500.1
RNA (CPM)
4.0
4.5
5.0
5.5
non−DEG
ATAC (CPM)
−0.6
−0.2
0.2
0.6
non−DAR
DMR (aveMeth)


ENSG00000130173.9
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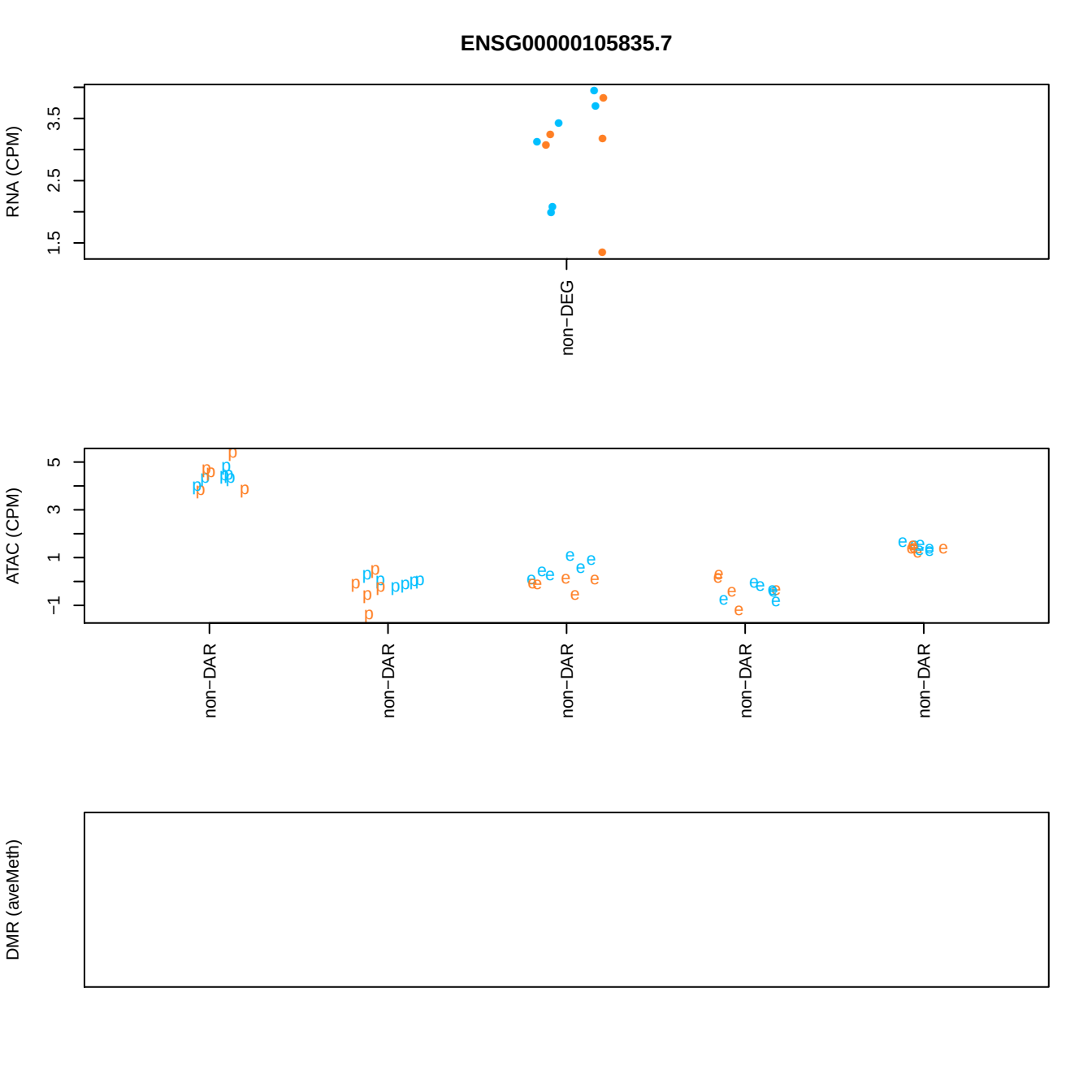
0
−2
−4
−6
non−DEG
ATAC (CPM)
1.5
0.5
−0.5
DAR
non−DAR
DAR
DMR (aveMeth)


ENSG00000105835.7
RNA (CPM)
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2.5
3.5
non−DEG
ATAC (CPM)
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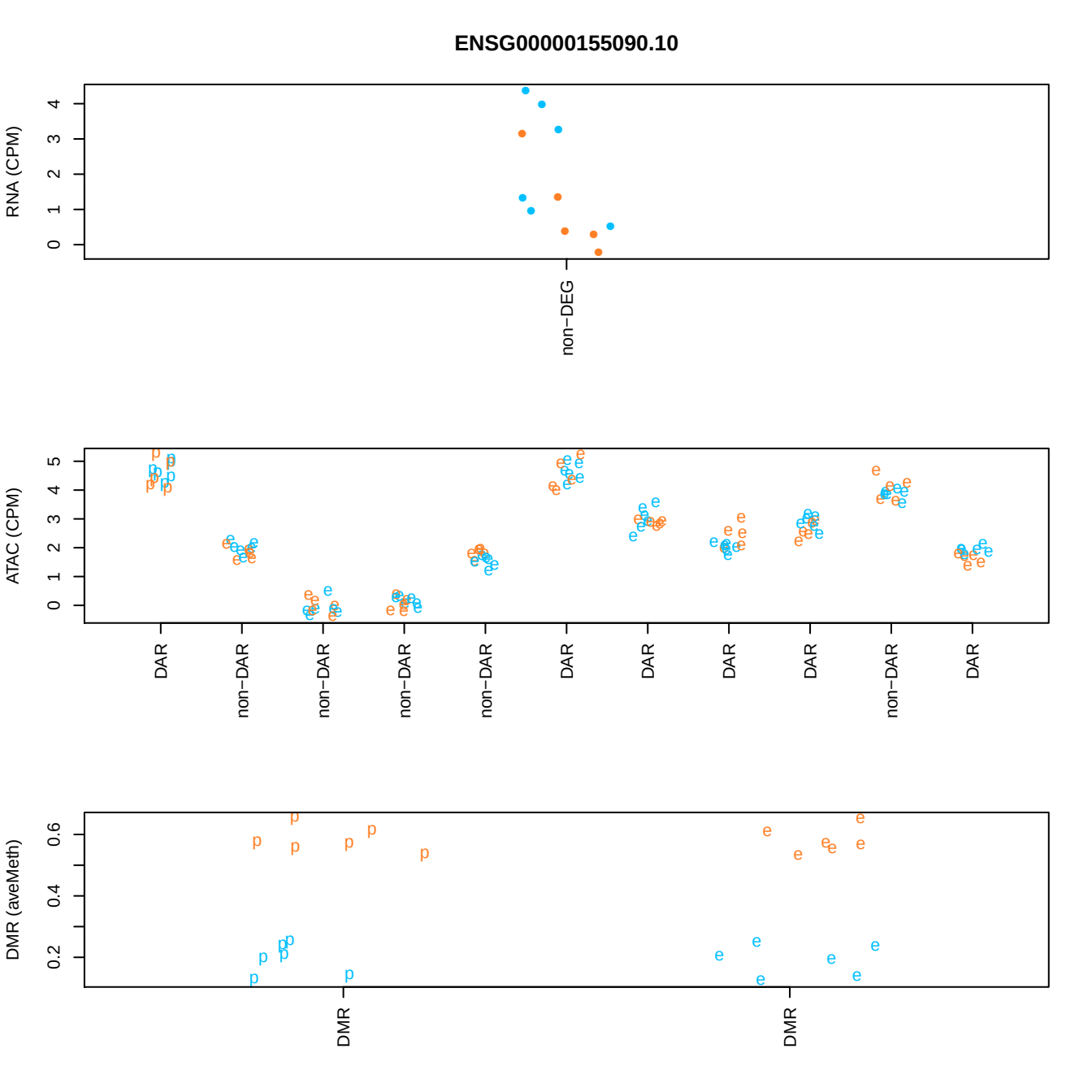
1
3
5
non−DAR
non−DAR
non−DAR
non−DAR
non−DAR
DMR (aveMeth)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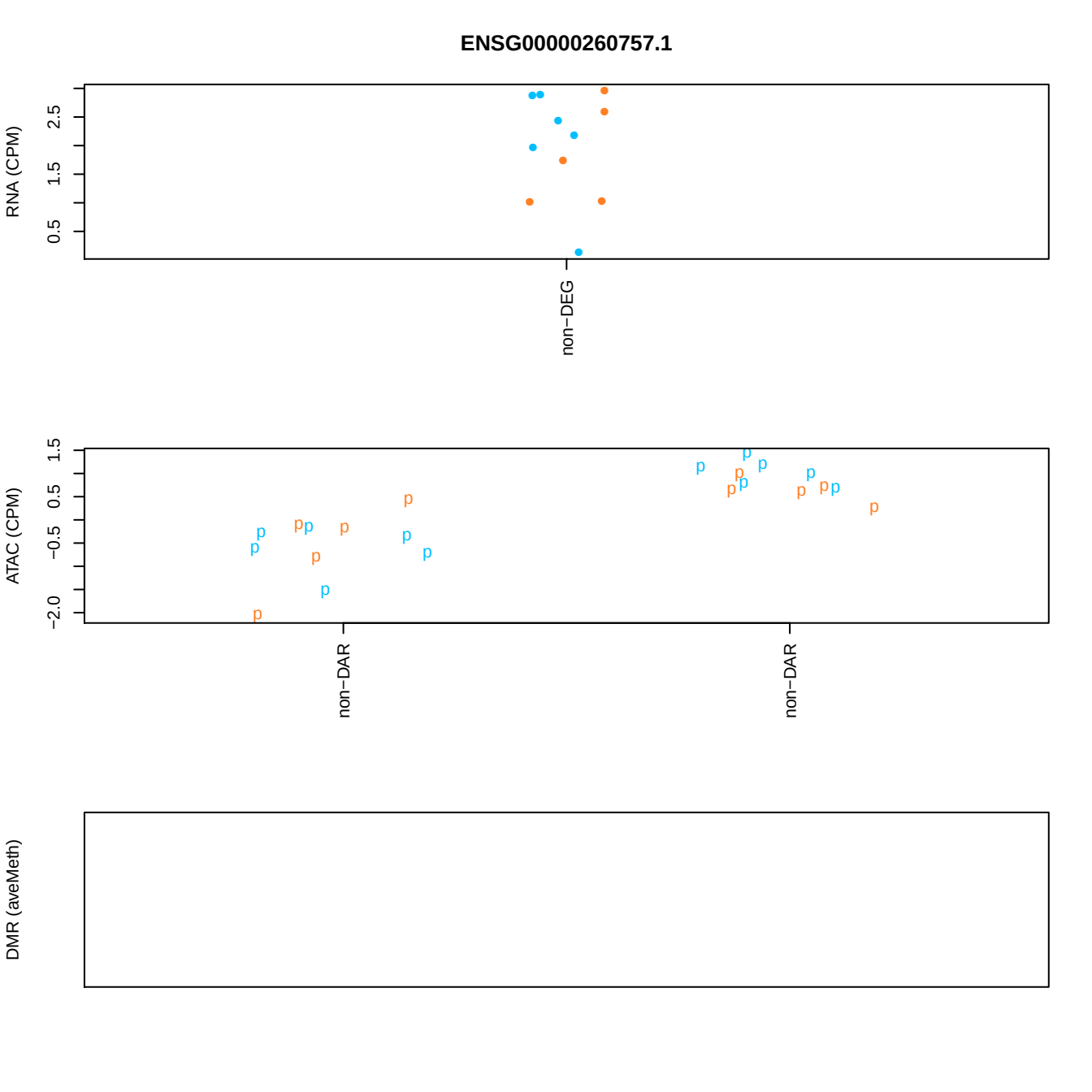
1
2
3
4
non−DEG
ATAC (CPM)
0
1
2
3
4
5
DAR
non−DAR
non−DAR
non−DAR
non−DAR
DAR
DAR
DAR
DAR
non−DAR
DAR
DMR (aveMeth)
0.2
0.4
0.6
DMR
DMR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1.5
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ATAC (CPM)
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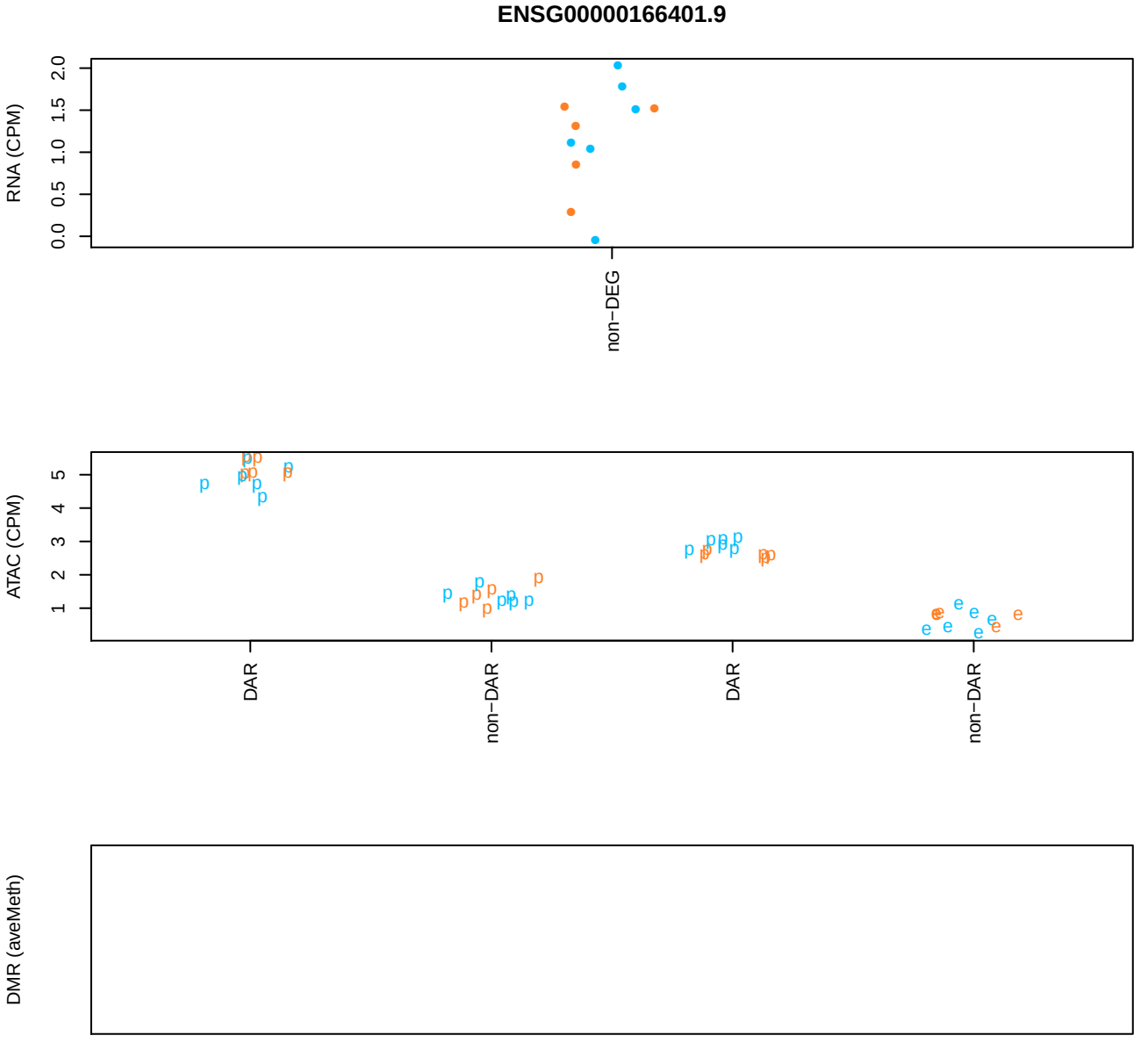
−0.5
0.5
1.5
non−DAR
non−DAR
DMR (aveMeth)


ENSG00000166401.9
RNA (CPM)
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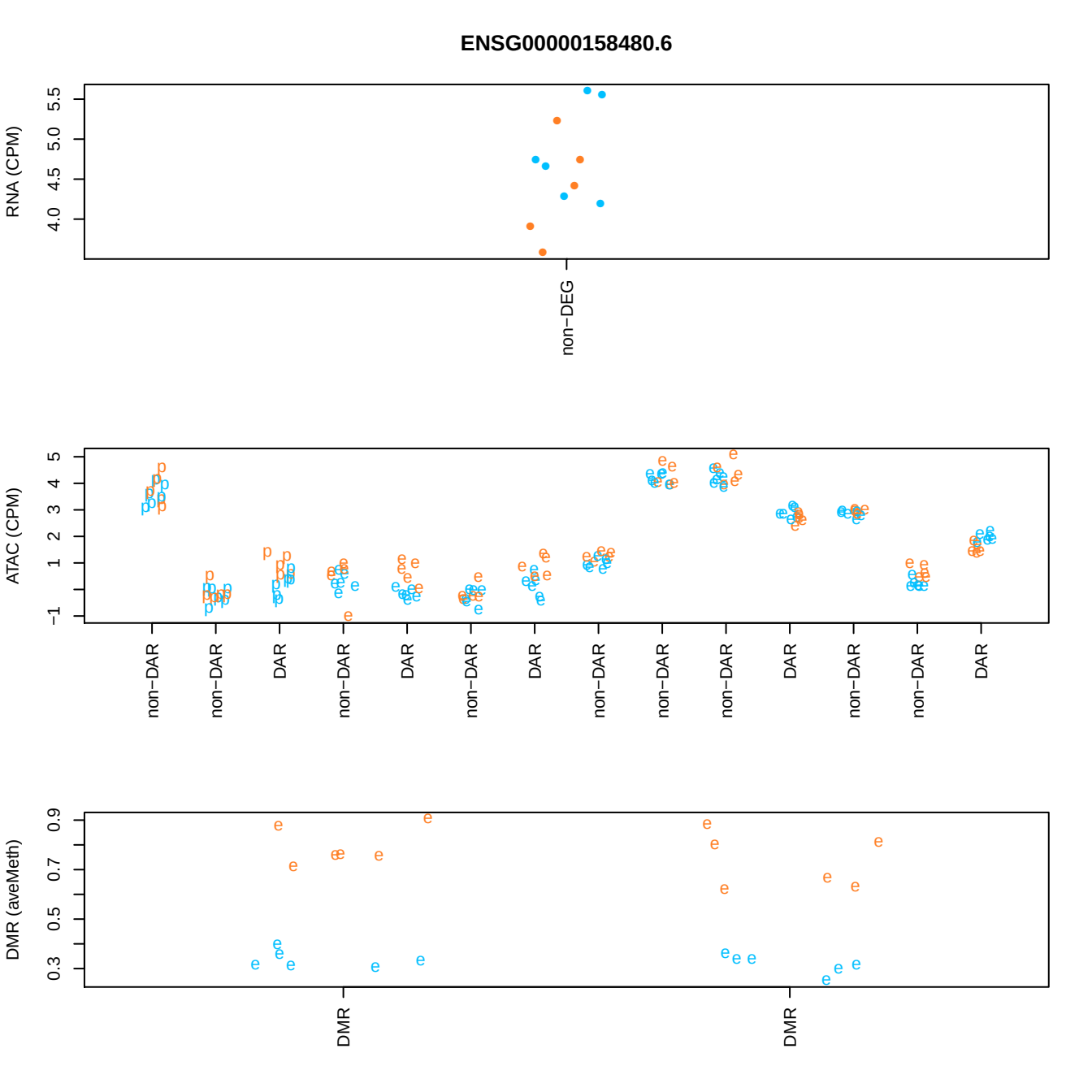
1.0
1.5
2.0
non−DEG
ATAC (CPM)
1
2
3
4
5
DAR
non−DAR
DAR
non−DAR
DMR (aveMeth)


ENSG00000158480.6
RNA (CPM)
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4.5
5.0
5.5
non−DEG
ATAC (CPM)
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1
2
3
4
5
non−DAR
non−DAR
DAR
non−DAR
DAR
non−DAR
DAR
non−DAR
non−DAR
non−DAR
DAR
non−DAR
non−DAR
DAR
DMR (aveMeth)
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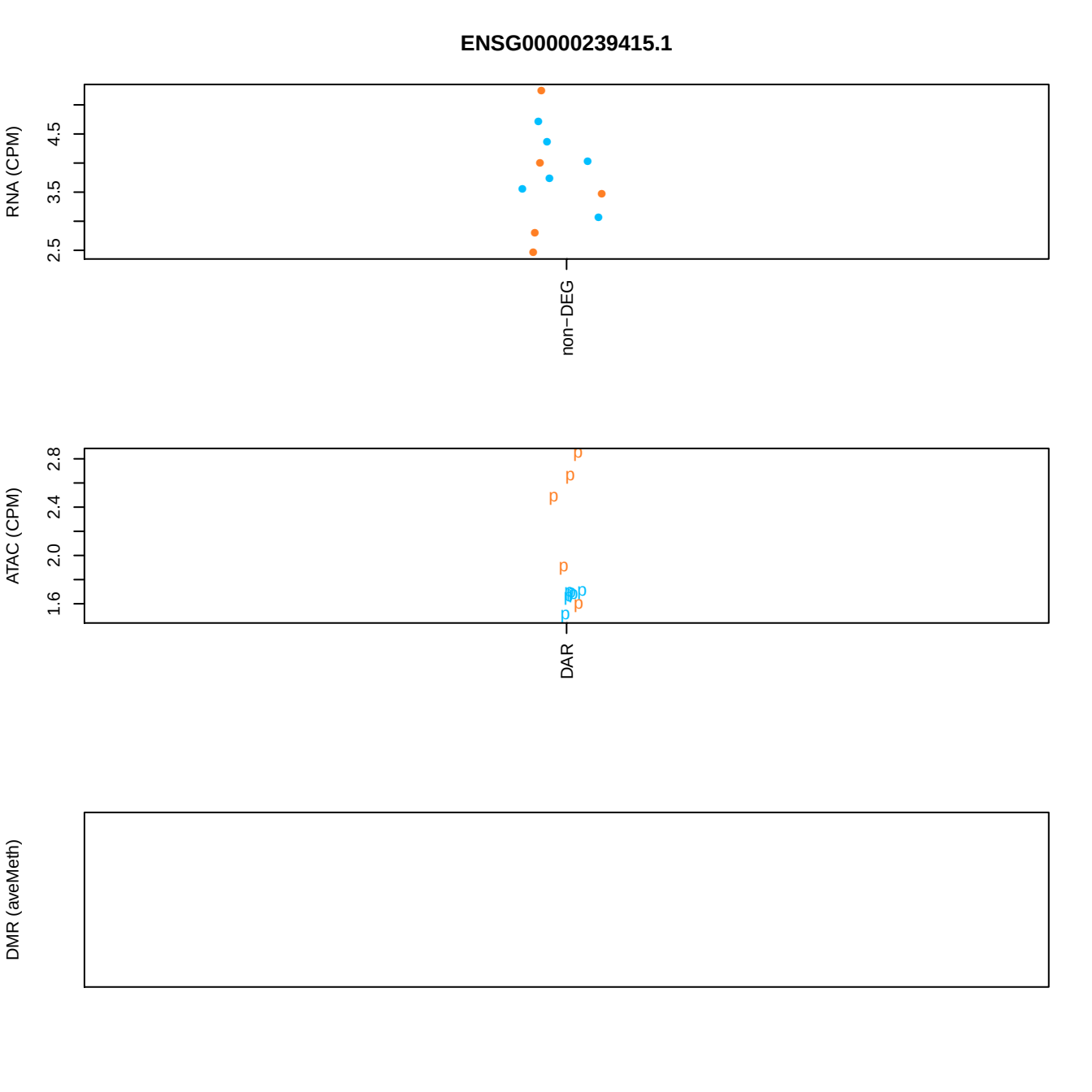
0.5
0.7
0.9
DMR
DMR


ENSG00000239415.1
RNA (CPM)
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4.5
non−DEG
ATAC (CPM)
1.6
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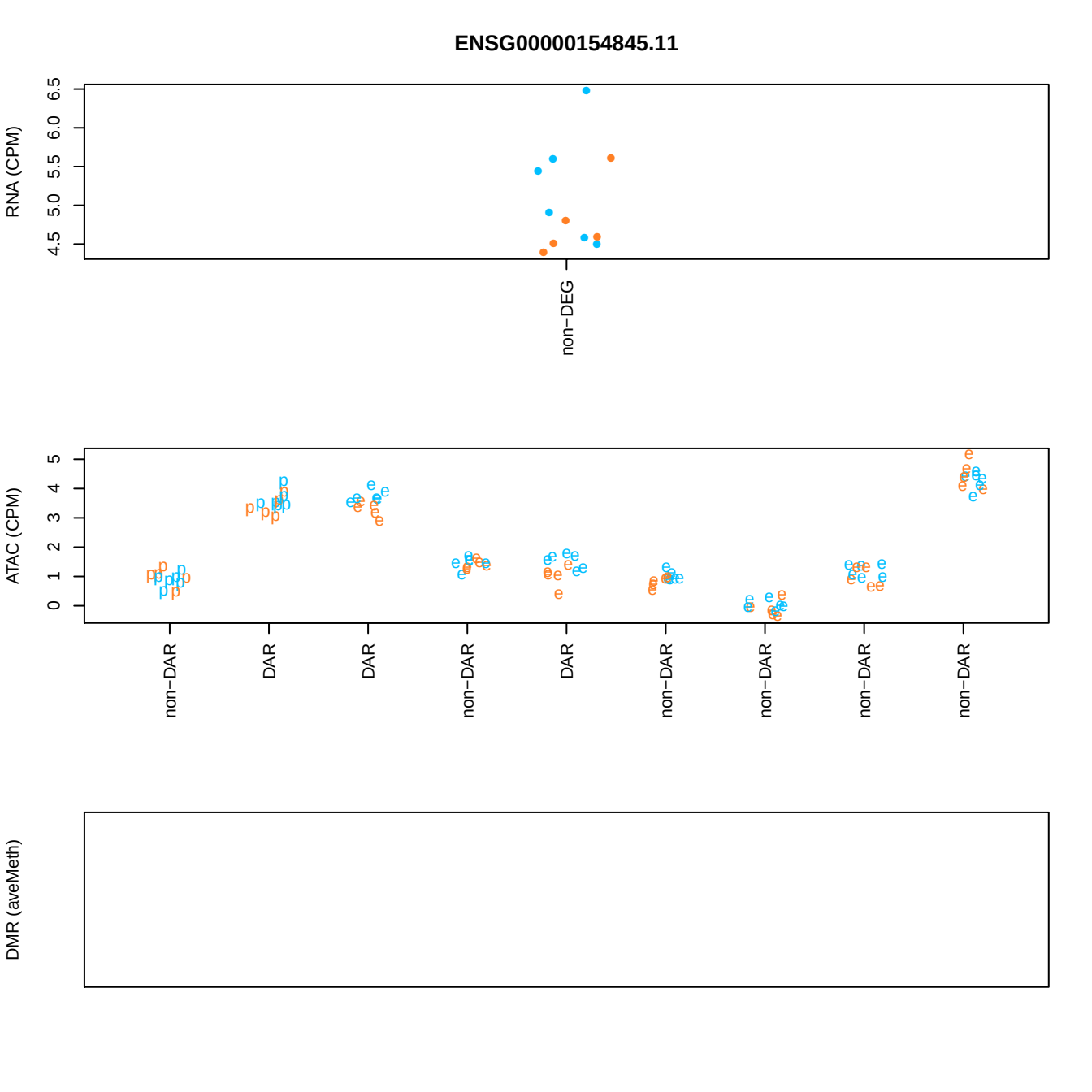
2.4
2.8
DAR
DMR (aveMeth)


ENSG00000154845.11
RNA (CPM)
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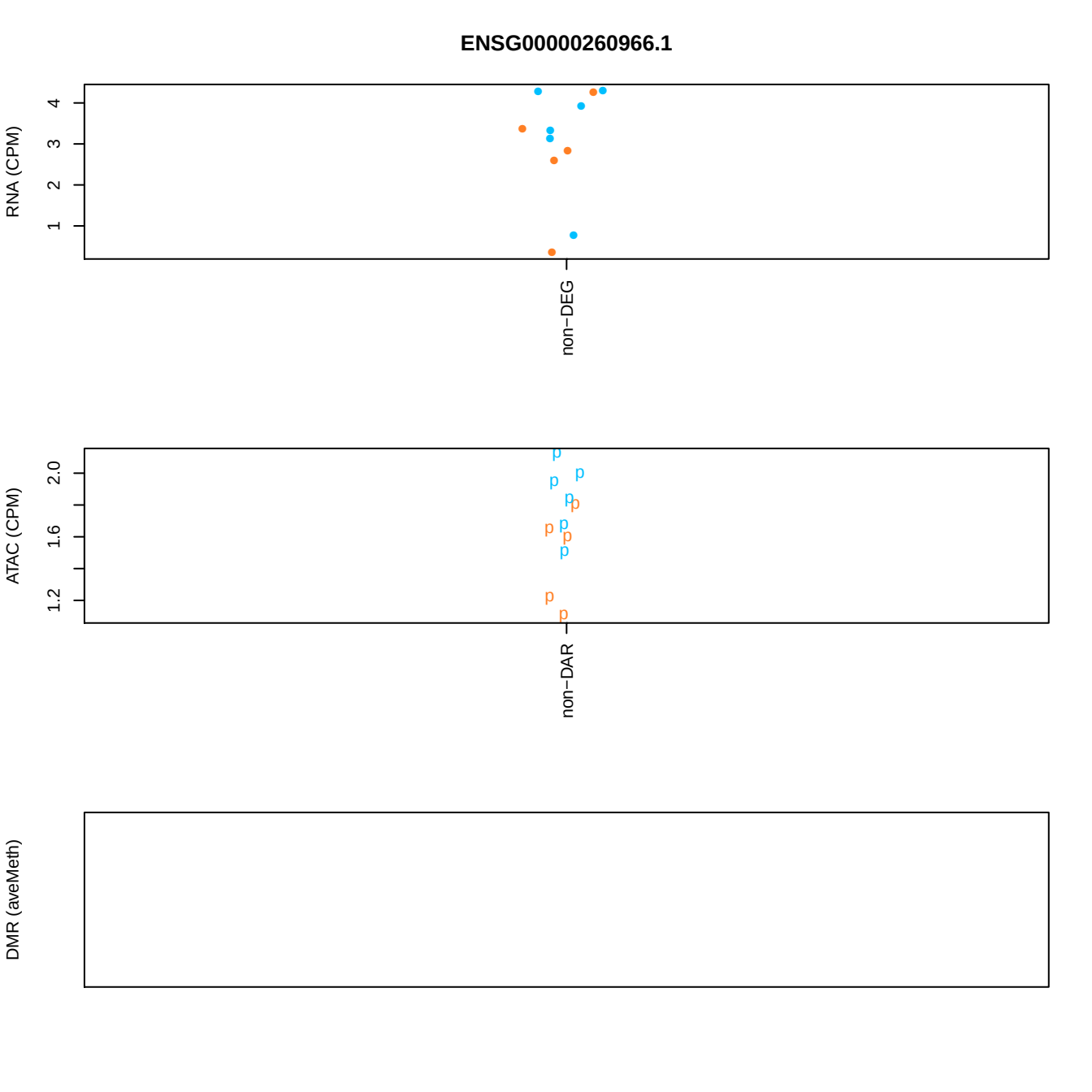
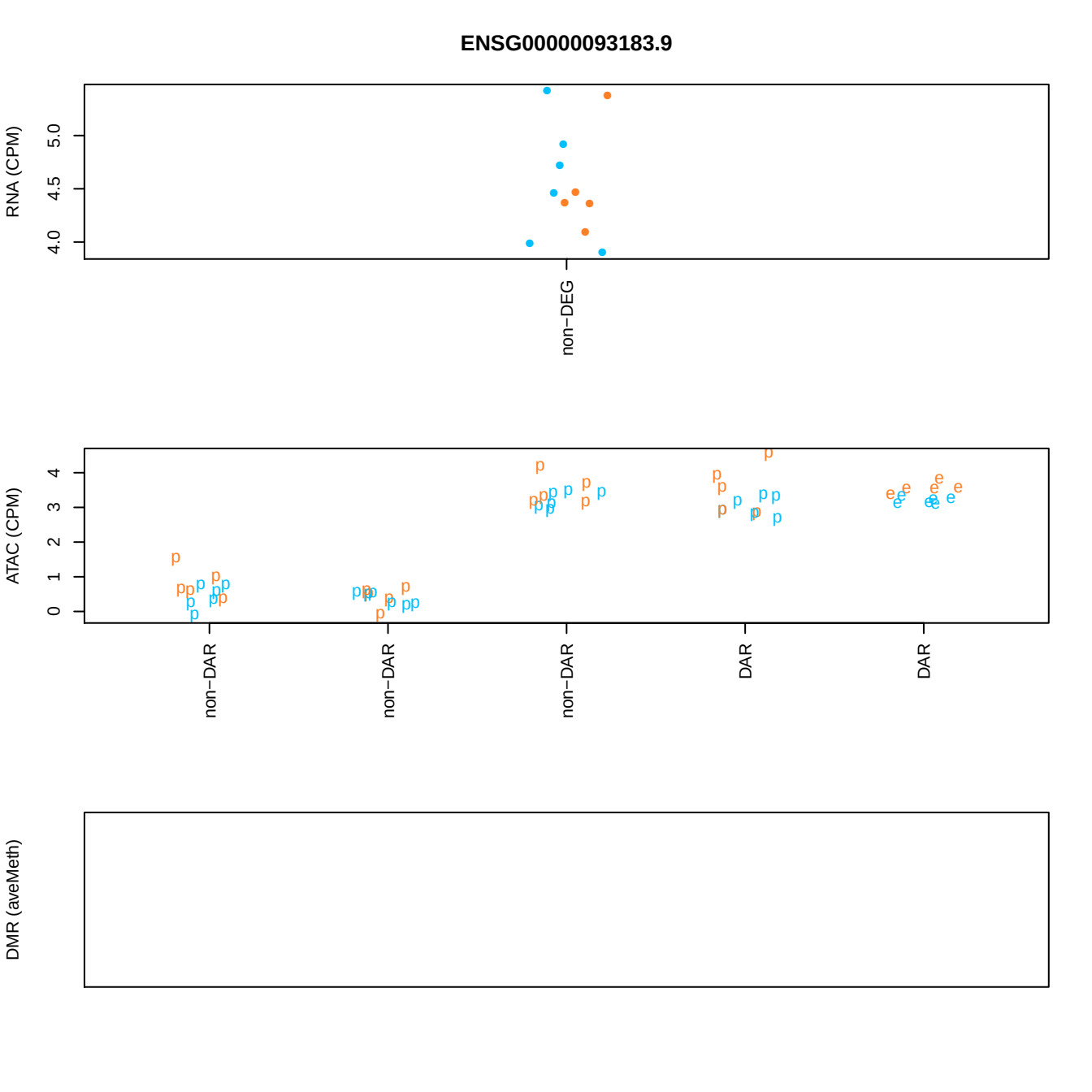
5.5
6.0
6.5
non−DEG
ATAC (CPM)
0
1
2
3
4
5
non−DAR
DAR
DAR
non−DAR
DAR
non−DAR
non−DAR
non−DAR
non−DAR
DMR (aveMeth)


ENSG00000260966.1
RNA (CPM)
1
2
3
4
non−DEG
ATAC (CPM)
1.2
1.6
2.0
non−DAR
DMR (aveMeth)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RNA (CPM)
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5.0
non−DEG
ATAC (CPM)
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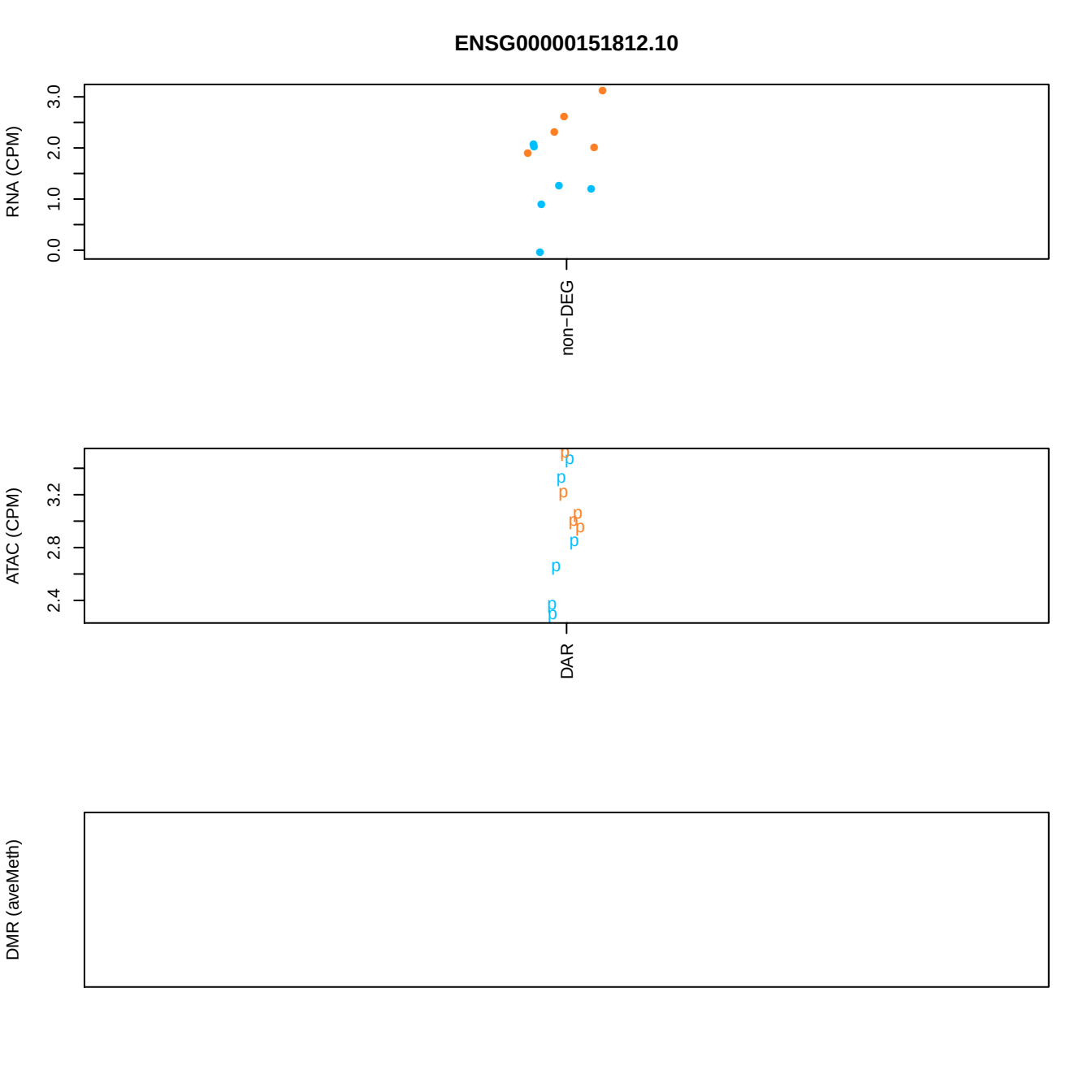
2
3
4
non−DAR
non−DAR
non−DAR
DAR
DAR
DMR (aveMeth)


ENSG00000151812.10
RNA (CPM)
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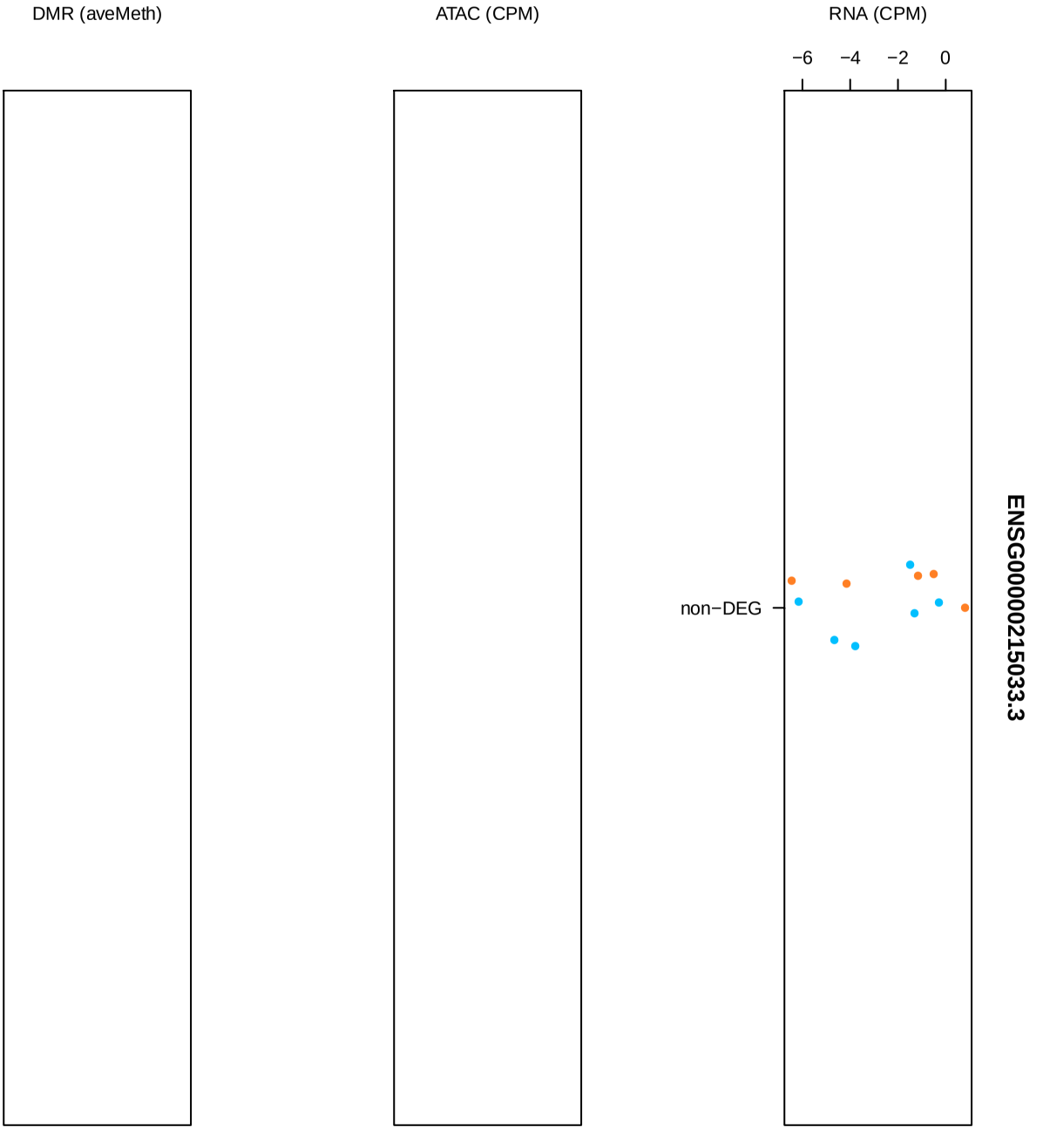
2.0
3.0
non−DEG
ATAC (CPM)
2.4
2.8
3.2
DAR
DMR (aveMeth)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ATAC (CPM)
RNA (CPM)
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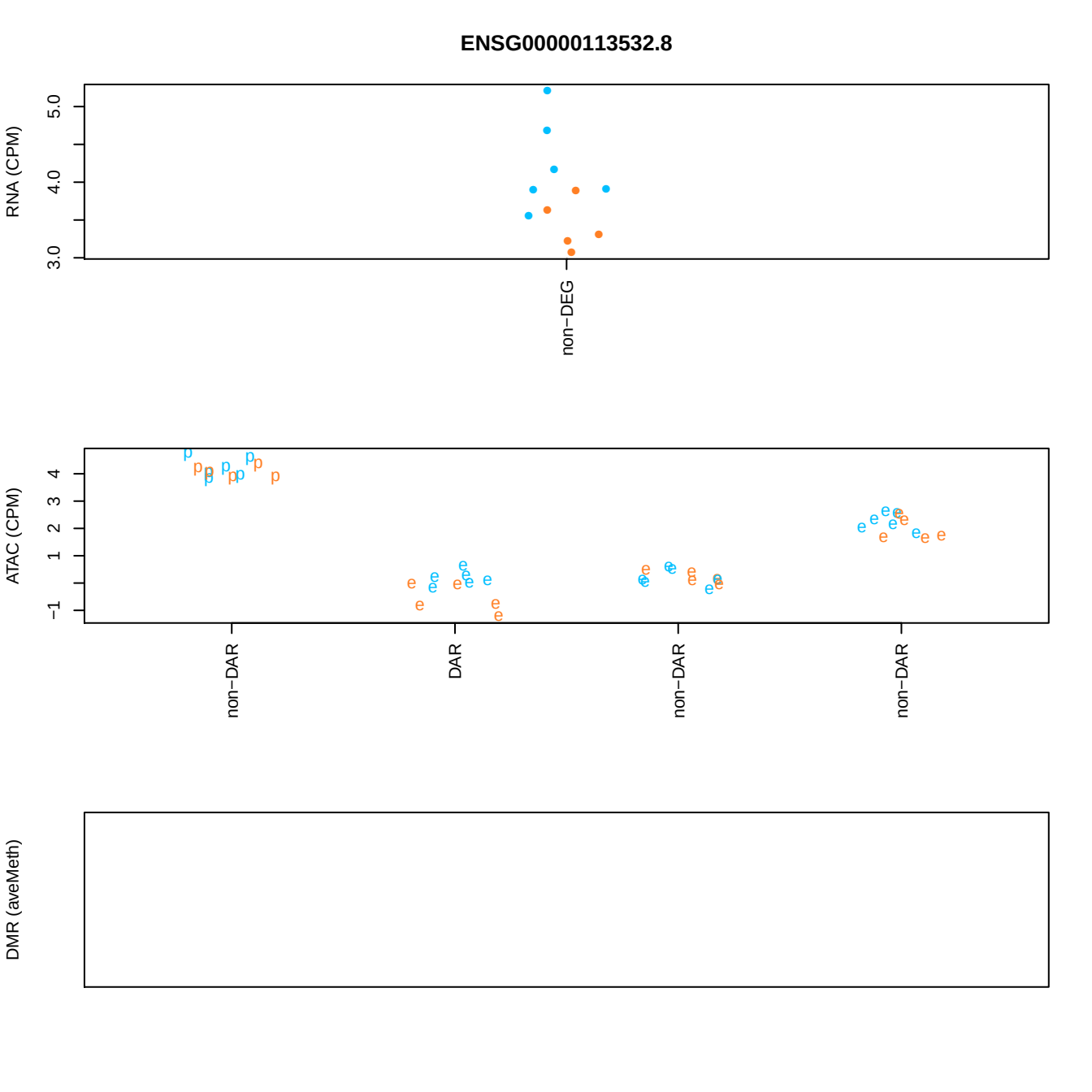
−4
−2
0
non−DEG
ENSG00000215033.3


ENSG00000113532.8
RNA (CPM)
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4.0
5.0
non−DEG
ATAC (CPM)
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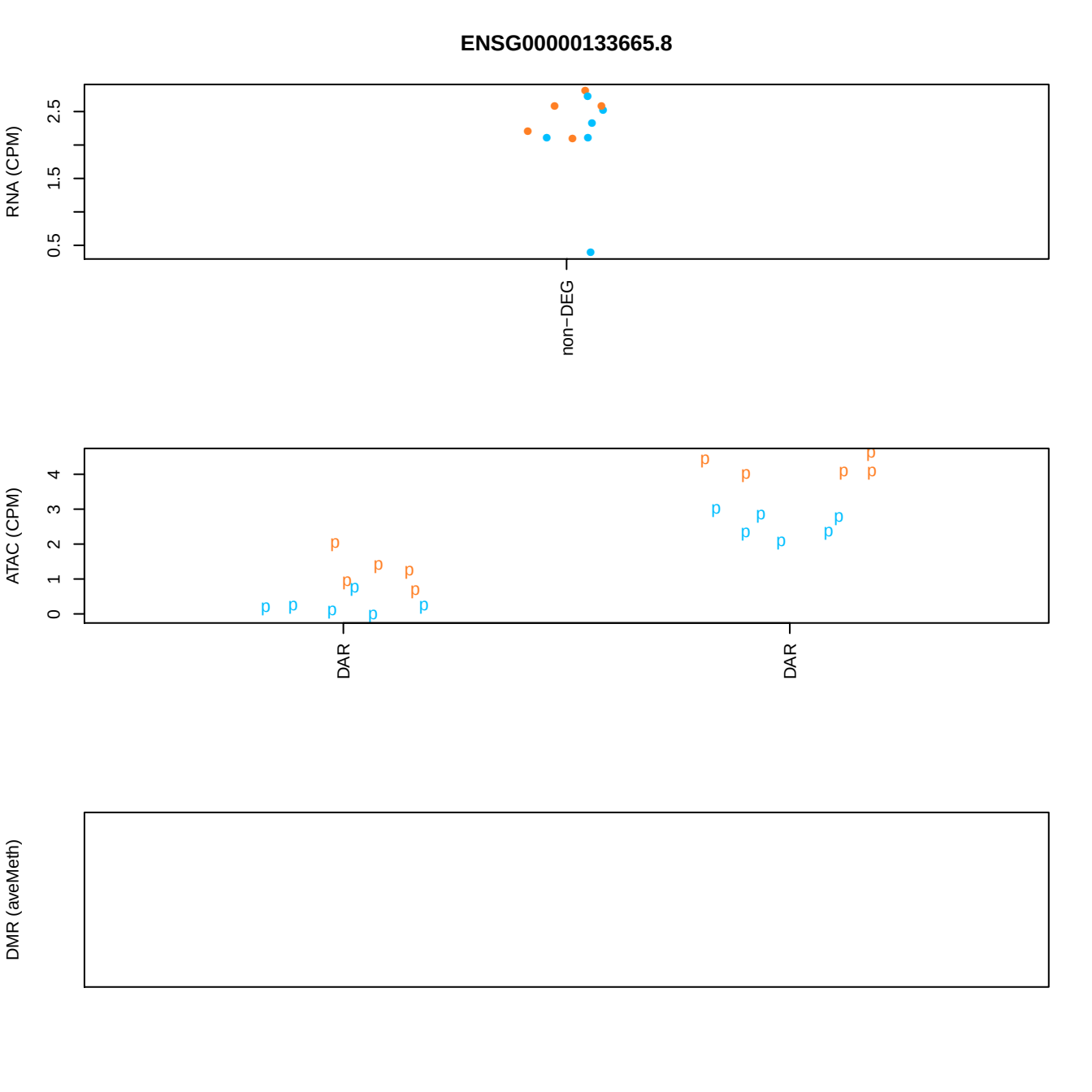
1
2
3
4
non−DAR
DAR
non−DAR
non−DAR
DMR (aveMeth)


ENSG00000133665.8
RNA (CPM)
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2.5
non−DEG
ATAC (CPM)
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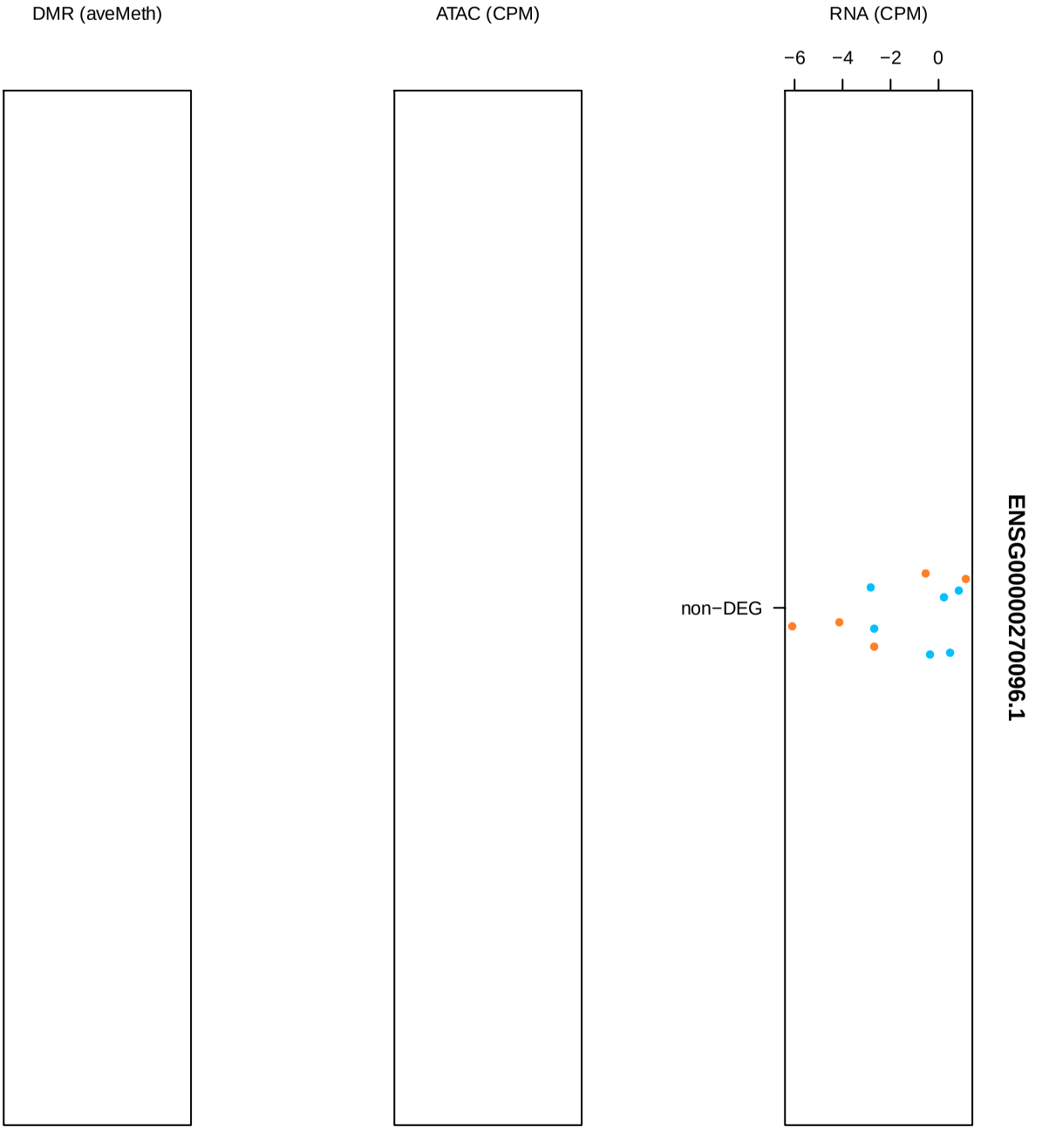
1
2
3
4
DAR
DAR
DMR (aveMeth)


DMR (aveMeth)
ATAC (CPM)
RNA (CPM)
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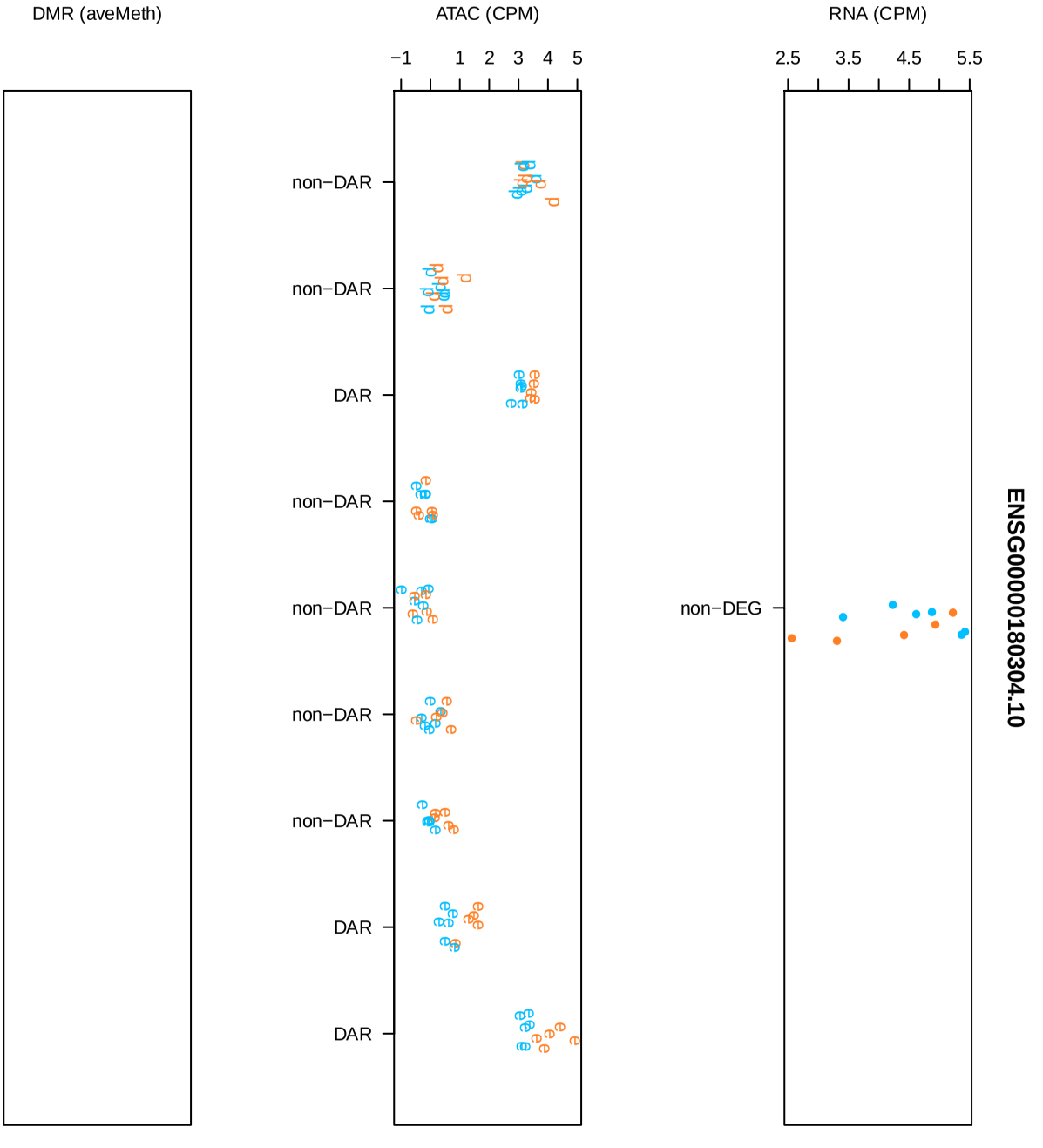
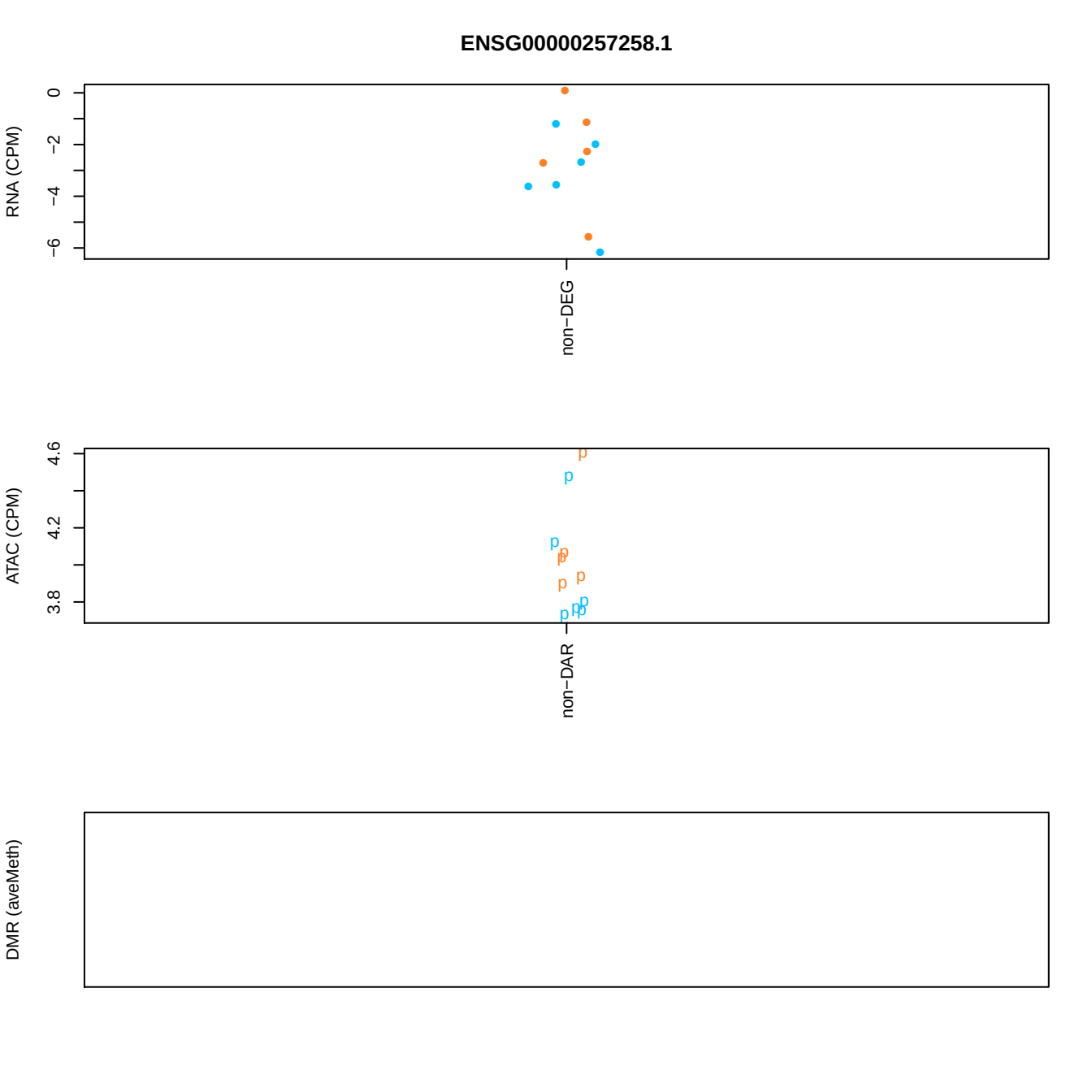
−4
−2
0
non−DEG
ENSG00000270096.1


DMR (aveMeth)
ATAC (CPM)
−1
1
2
3
4
5
non−DAR
non−DAR
DAR
non−DAR
non−DAR
non−DAR
non−DAR
DAR
DAR
RNA (CPM)
2.5
3.5
4.5
5.5
non−DEG
ENSG00000180304.10


ENSG00000257258.1
RNA (CPM)
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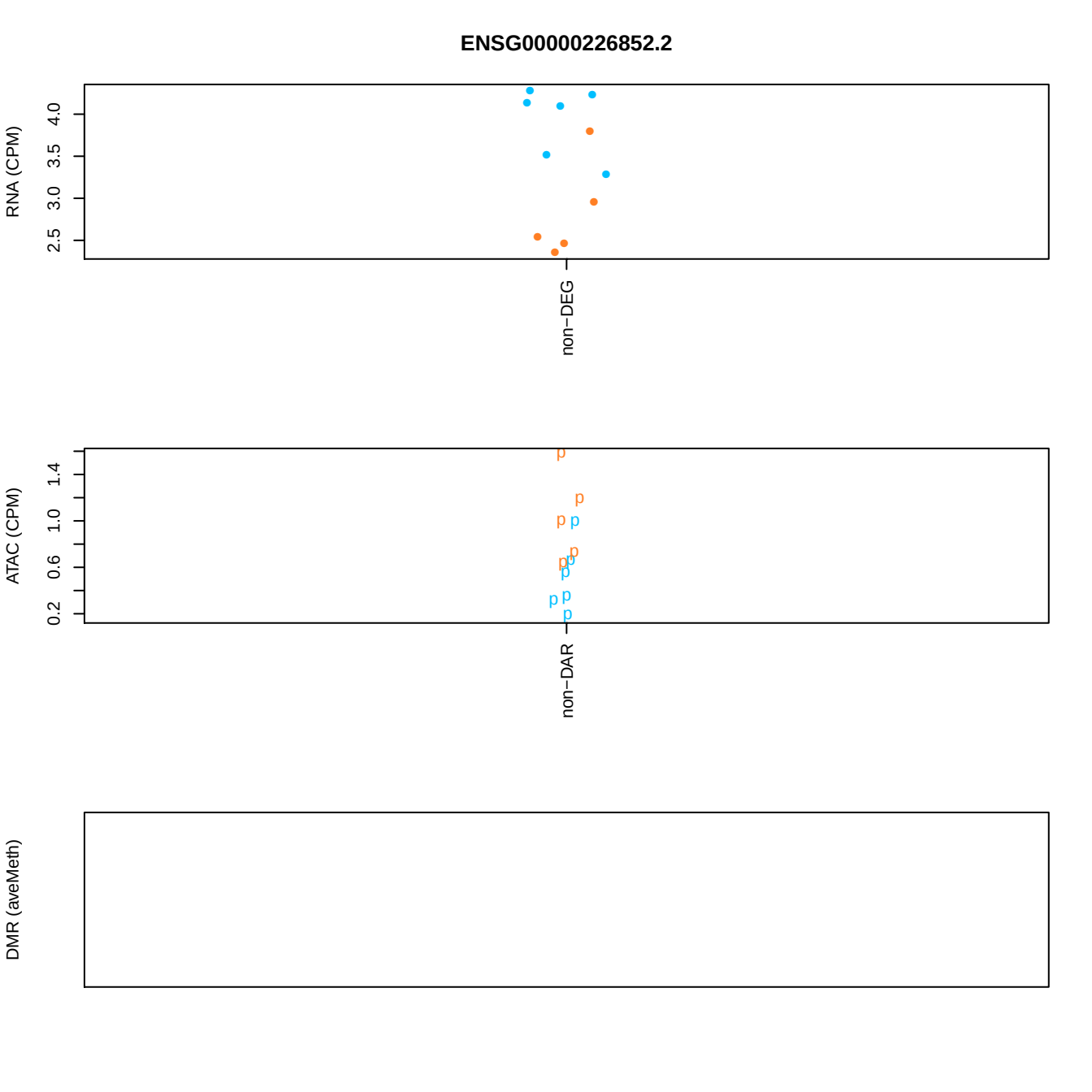
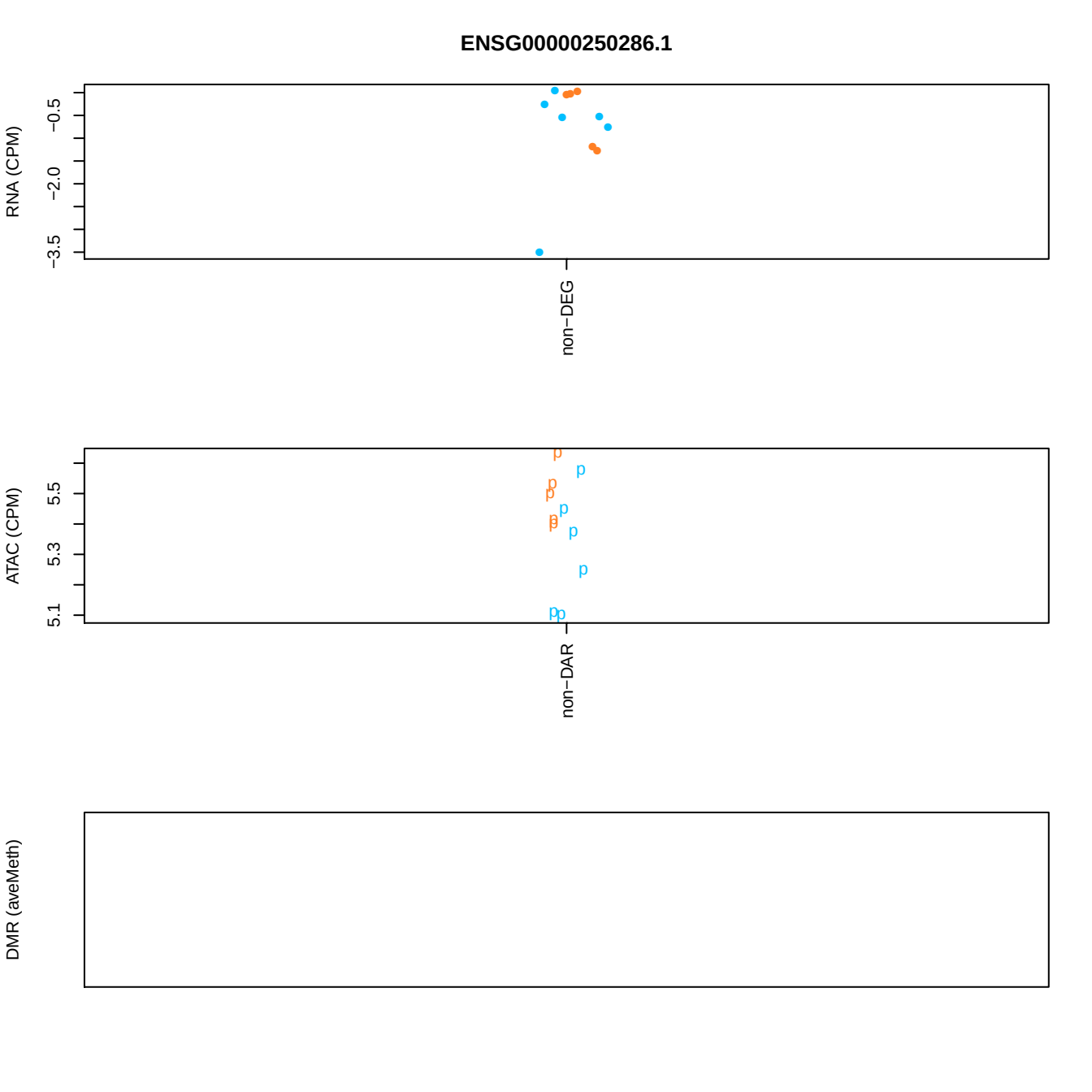
−2
−4
−6
non−DEG
ATAC (CPM)
4.6
4.2
3.8
non−DAR
DMR (aveMeth)


ENSG00000226852.2
RNA (CPM)
2.5
3.0
3.5
4.0
non−DEG
ATAC (CPM)
0.2
0.6
1.0
1.4
non−DAR
DMR (aveMeth)


ENSG00000250286.1
RNA (CPM)
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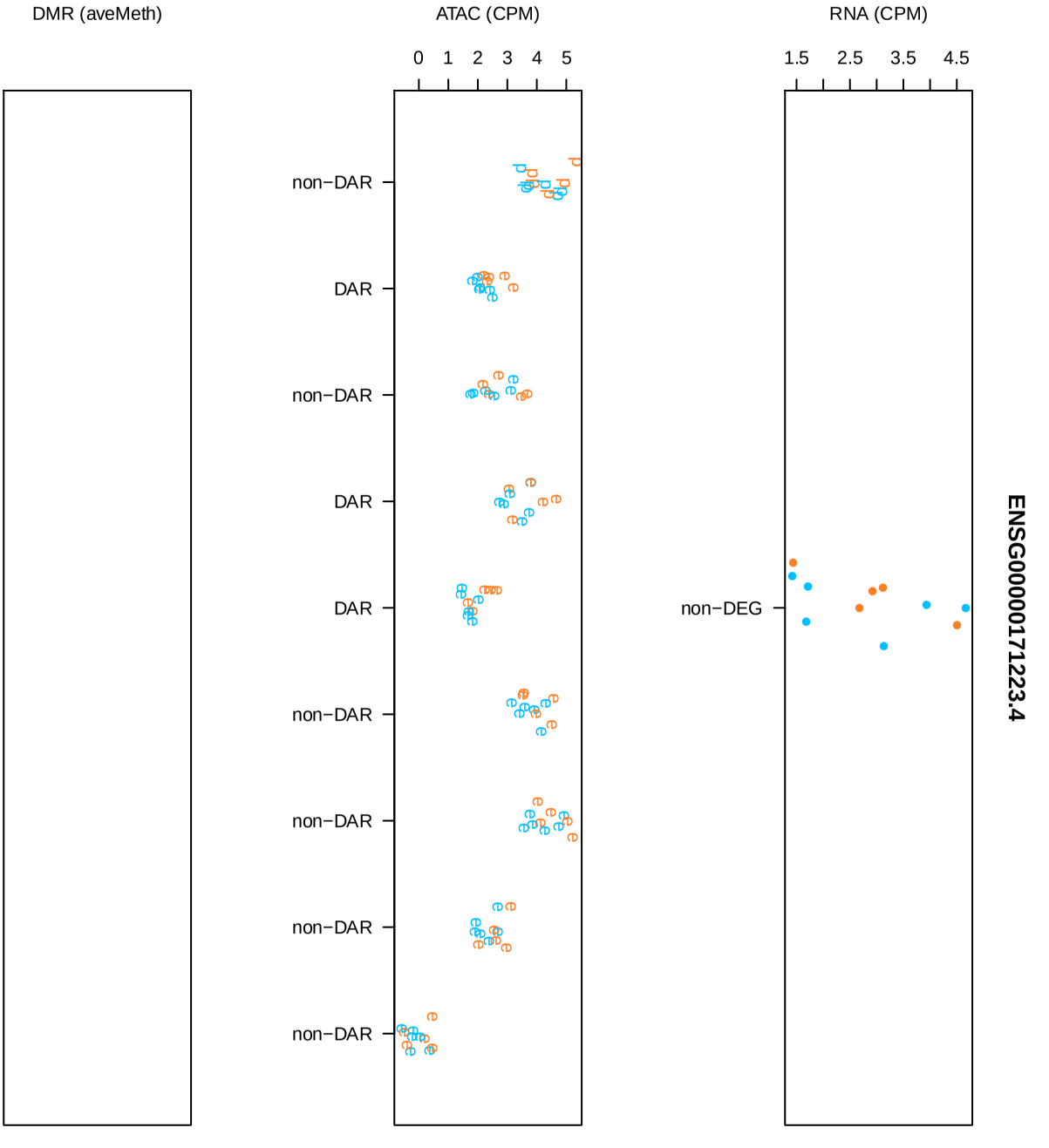
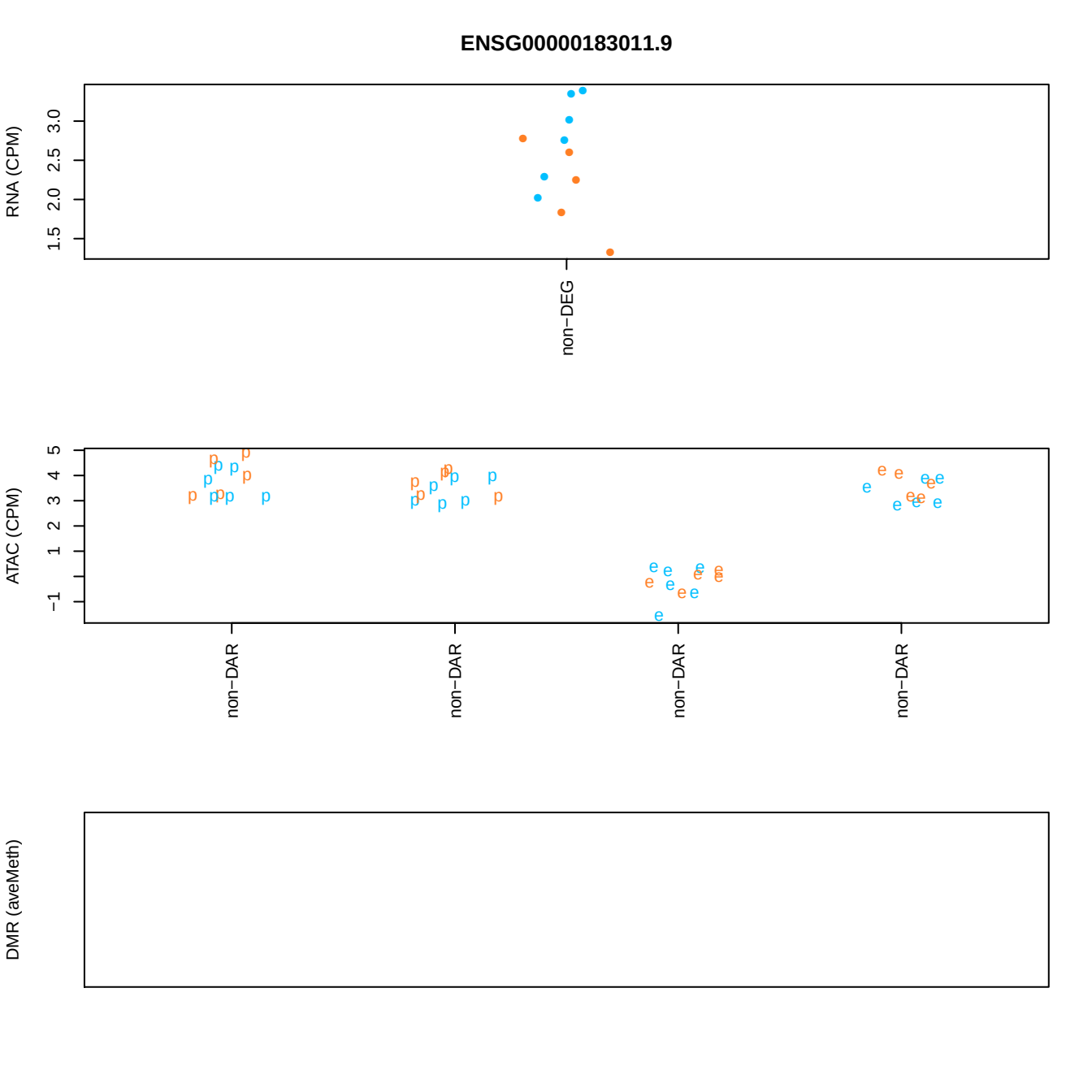
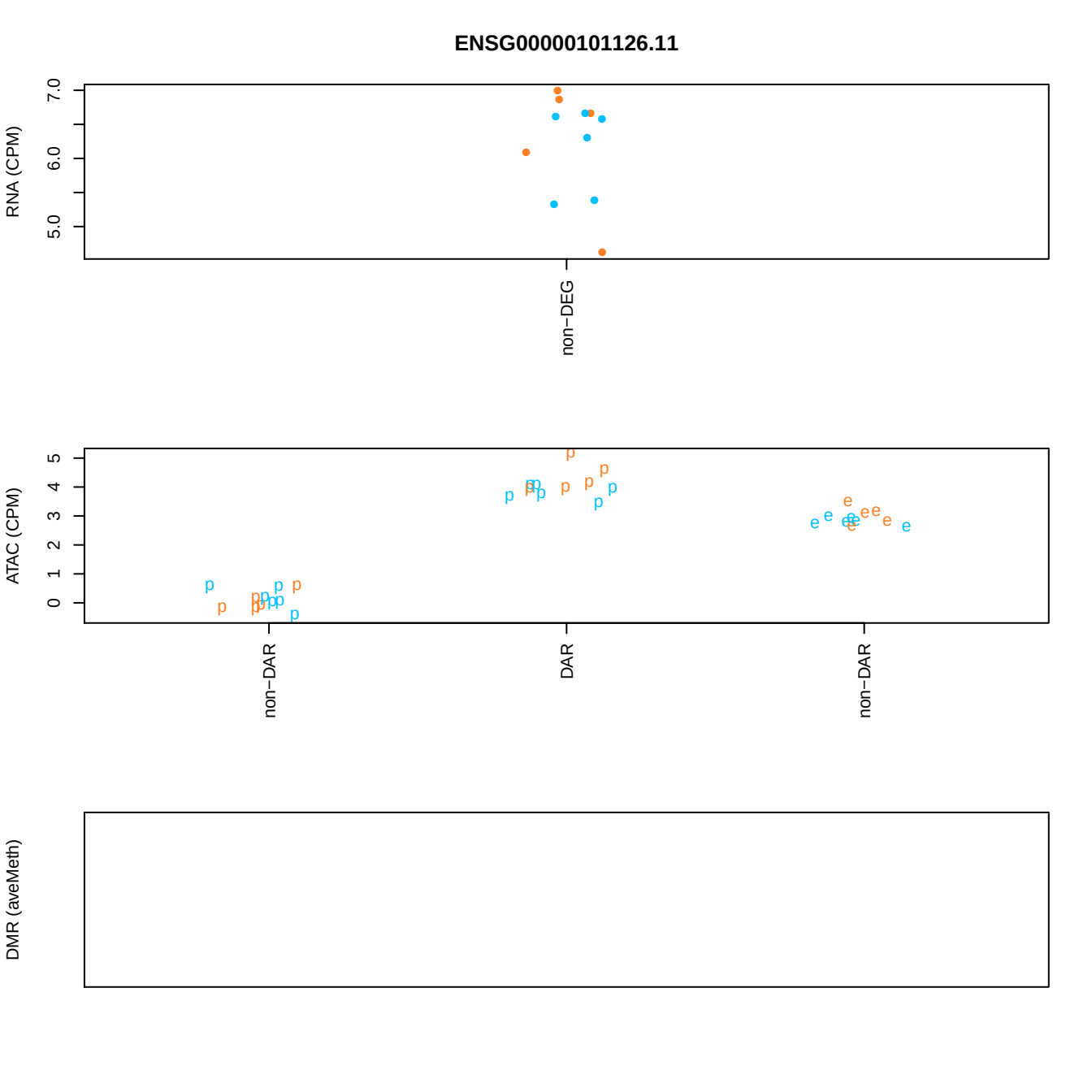
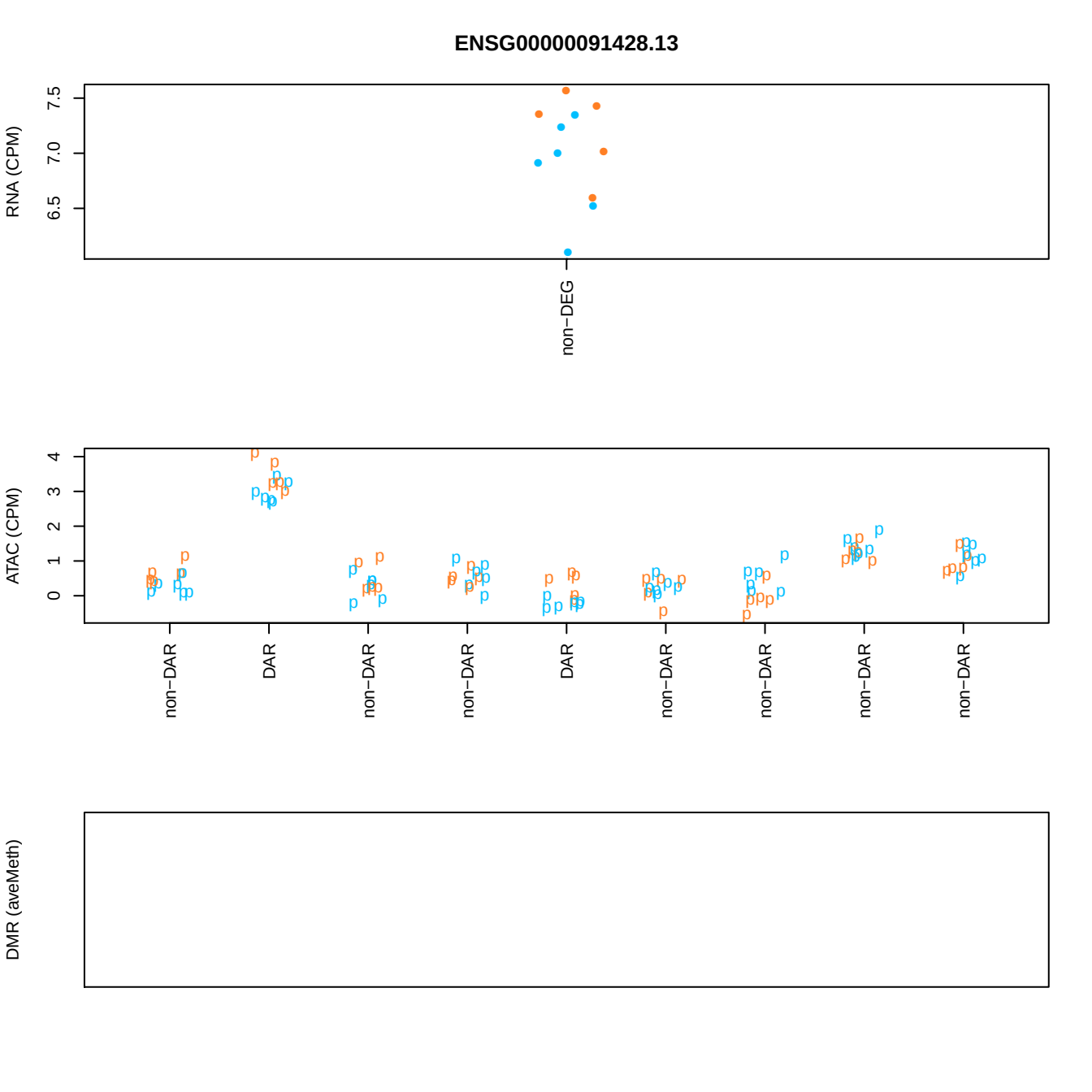
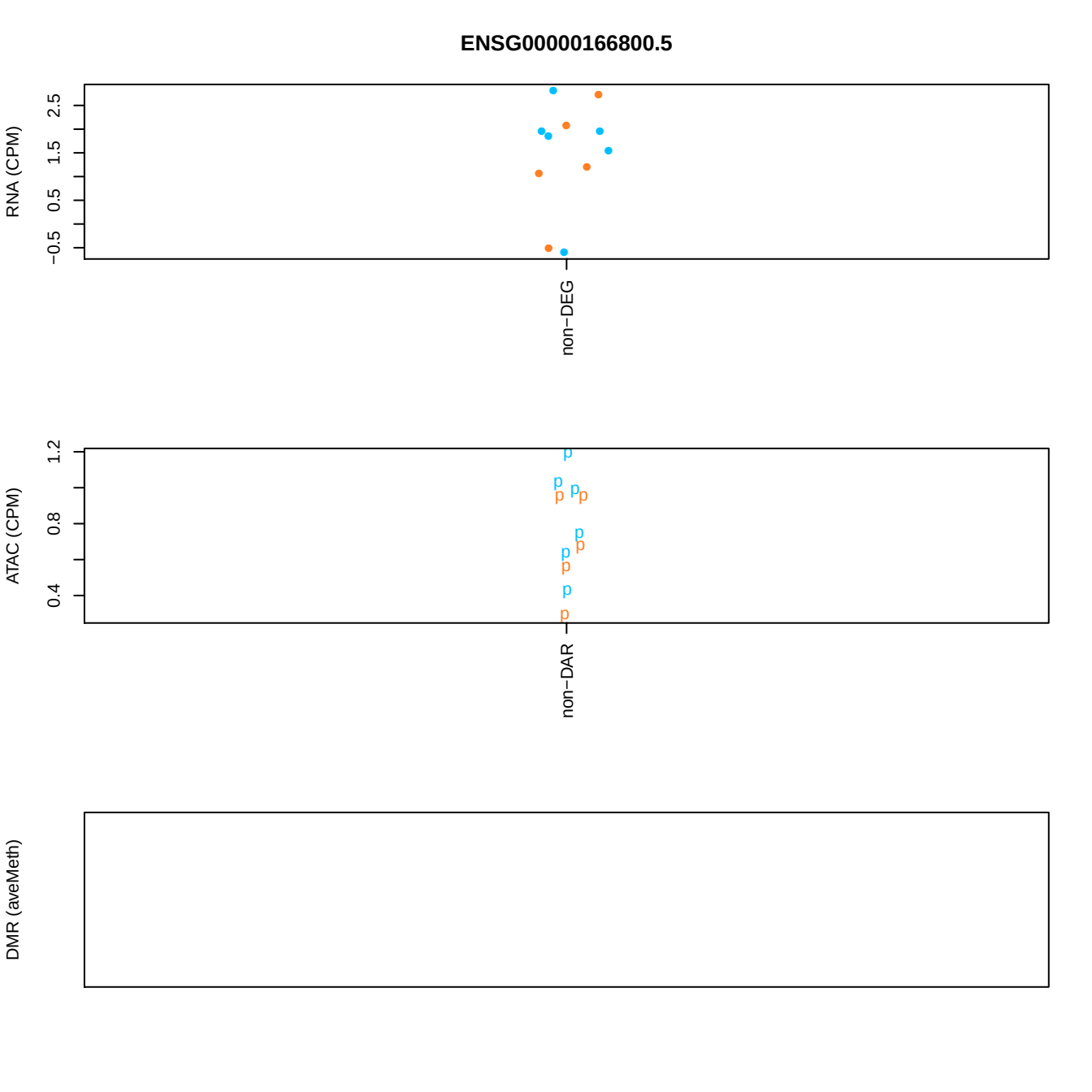
−3.5
non−DEG
ATAC (CPM)
5.5
5.3
5.1
non−DAR
DMR (aveMeth)

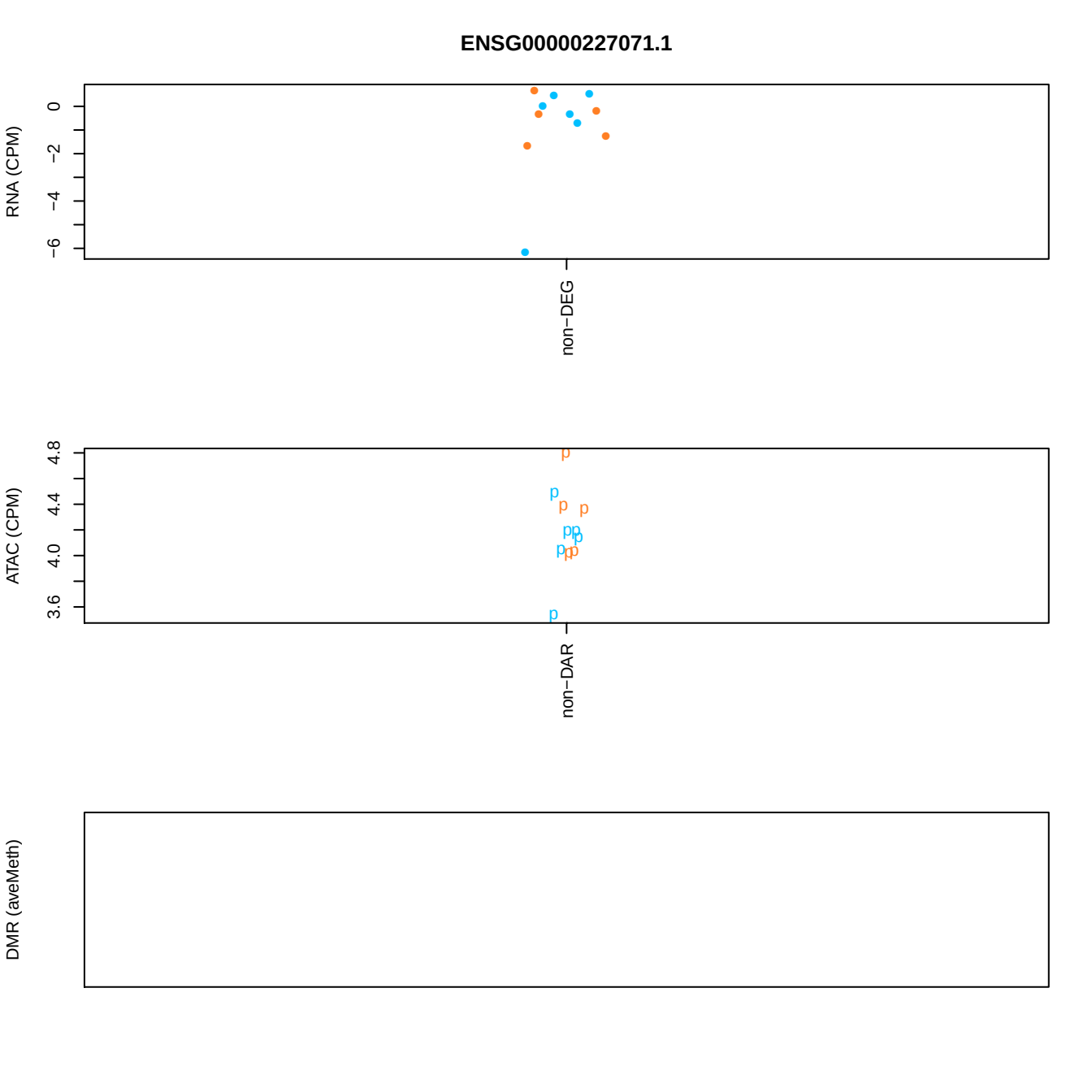

DMR (aveMeth)
ATAC (CPM)
0
1
2
3
4
5
non−DAR
DAR
non−DAR
DAR
DAR
non−DAR
non−DAR
non−DAR
non−DAR
RNA (CPM)
1.5
2.5
3.5
4.5
non−DEG
ENSG00000171223.4

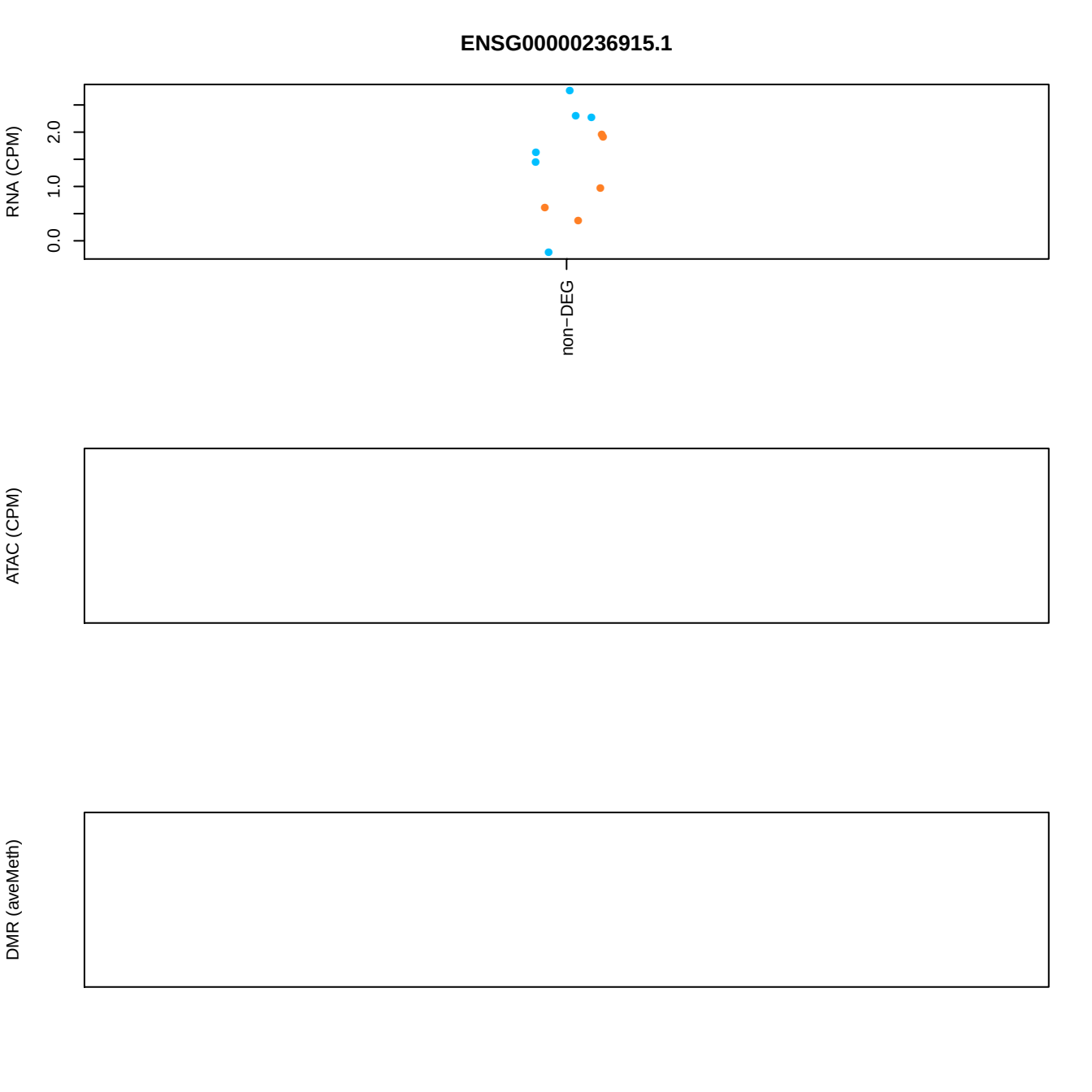

ENSG00000183011.9
RNA (CPM)
1.5
2.0
2.5
3.0
non−DEG
ATAC (CPM)
−1
1
2
3
4
5
non−DAR
non−DAR
non−DAR
non−DAR
DMR (aveMeth)

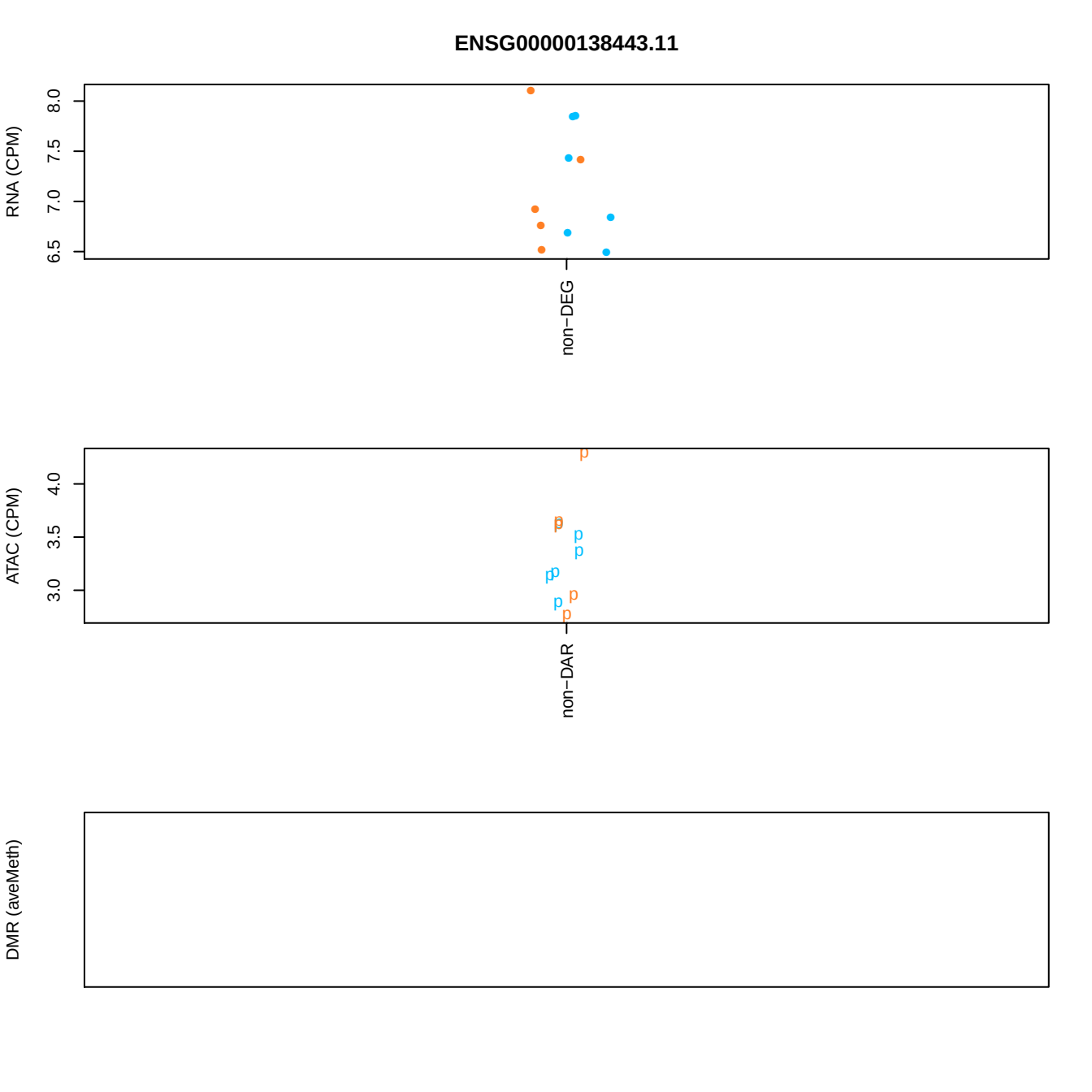

ENSG00000101126.11
RNA (CPM)
7.0
6.0
5.0
non−DEG
ATAC (CPM)
5
4
3
2
1
0
non−DAR
DAR
non−DAR
DMR (aveMeth)

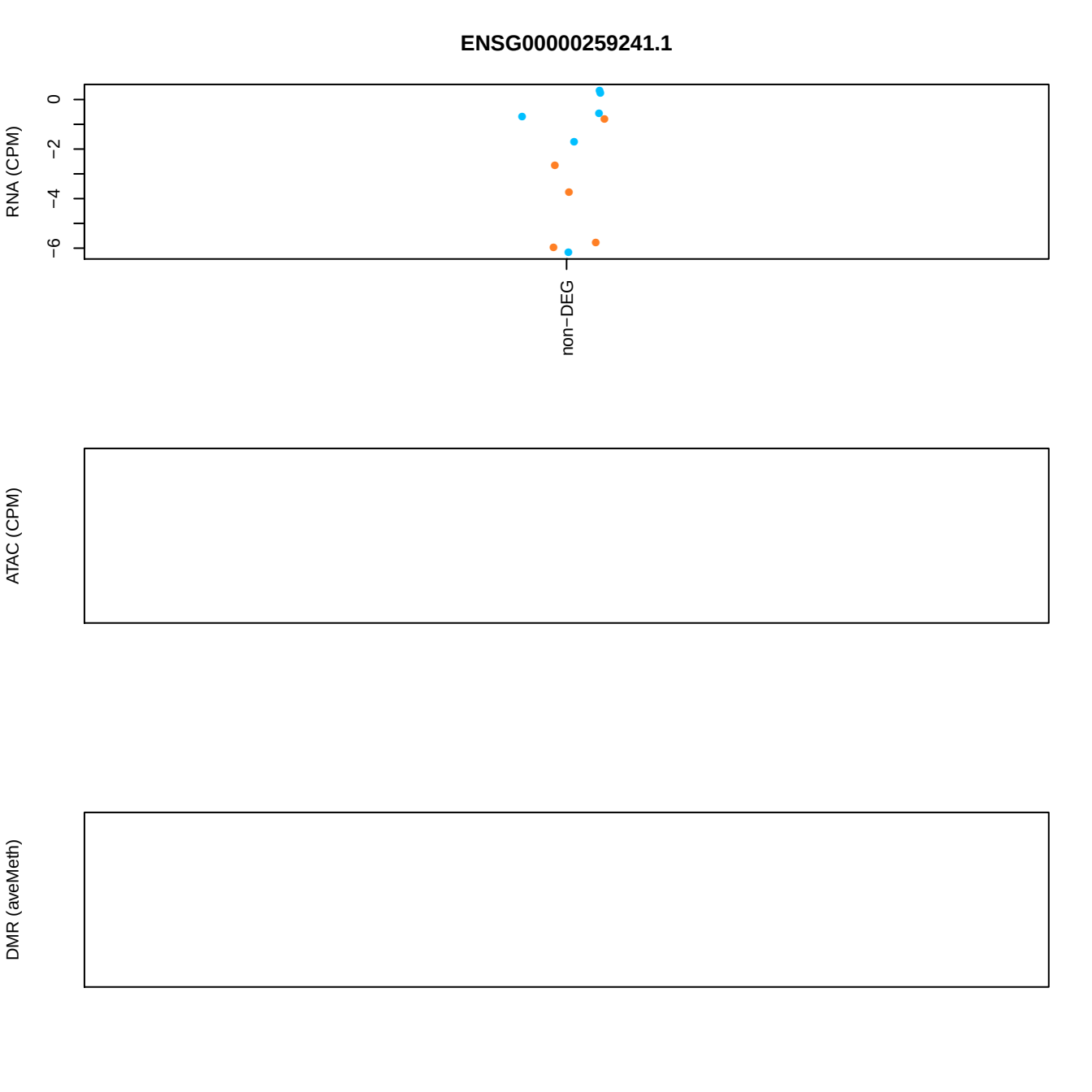

ENSG00000091428.13
RNA (CPM)
6.5
7.0
7.5
non−DEG
ATAC (CPM)
0
1
2
3
4
non−DAR
DAR
non−DAR
non−DAR
DAR
non−DAR
non−DAR
non−DAR
non−DAR
DMR (aveMeth)

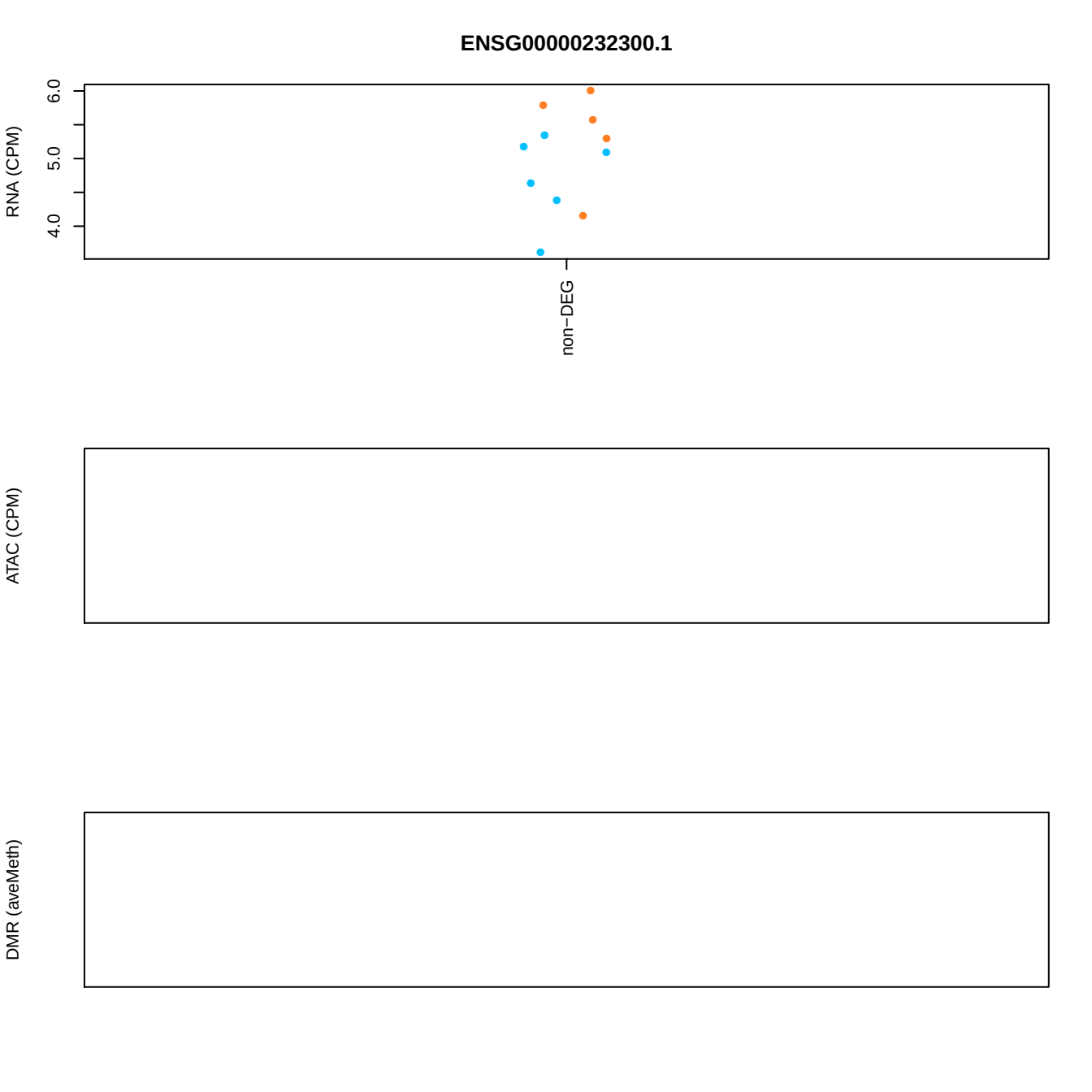

ENSG00000166800.5
RNA (CPM)
−0.5
0.5
1.5
2.5
non−DEG
ATAC (CPM)
0.4
0.8
1.2
non−DAR
DMR (aveMeth)


ENSG00000227071.1
RNA (CPM)
0
−2
−4
−6
non−DEG
ATAC (CPM)
4.8
4.4
4.0
3.6
non−DAR
DMR (aveMeth)


ENSG00000236915.1
RNA (CPM)
0.0
1.0
2.0
non−DEG
ATAC (CPM)
DMR (aveMeth)


ENSG00000138443.11
RNA (CPM)
6.5
7.0
7.5
8.0
non−DEG
ATAC (CPM)
3.0
3.5
4.0
non−DAR
DMR (aveMeth)


ENSG00000259241.1
RNA (CPM)
0
−2
−4
−6
non−DEG
ATAC (CPM)
DMR (aveMeth)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RNA (CPM)
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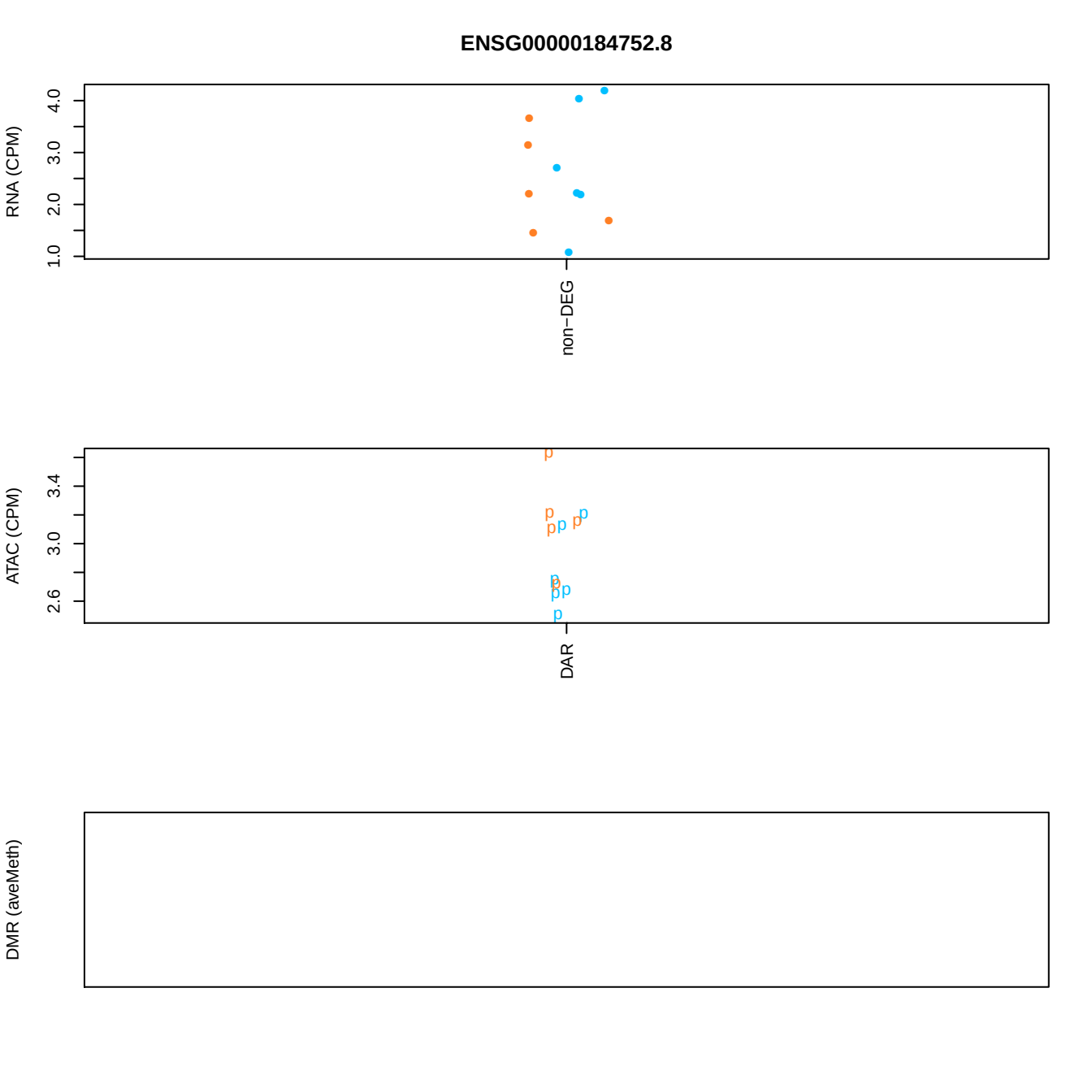
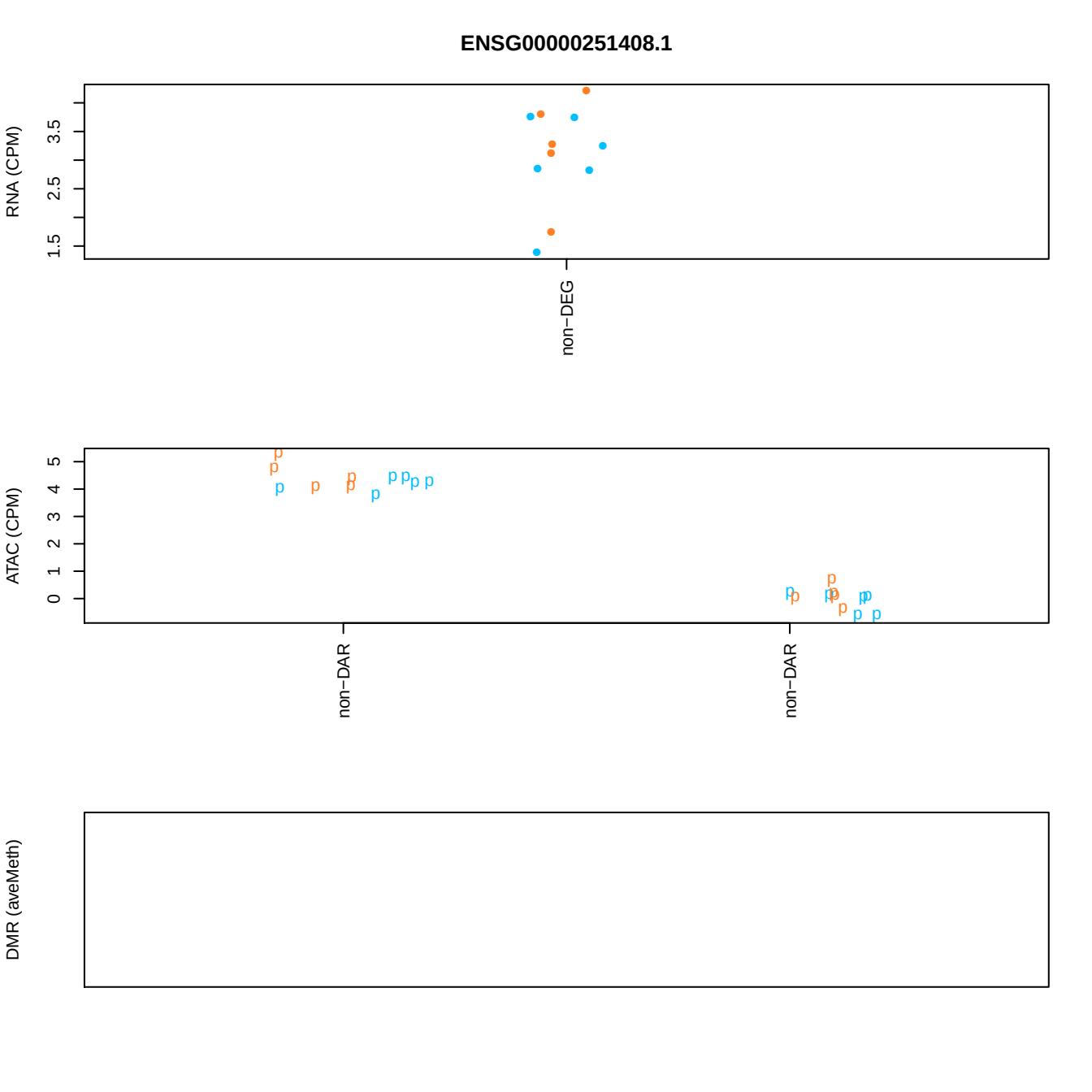
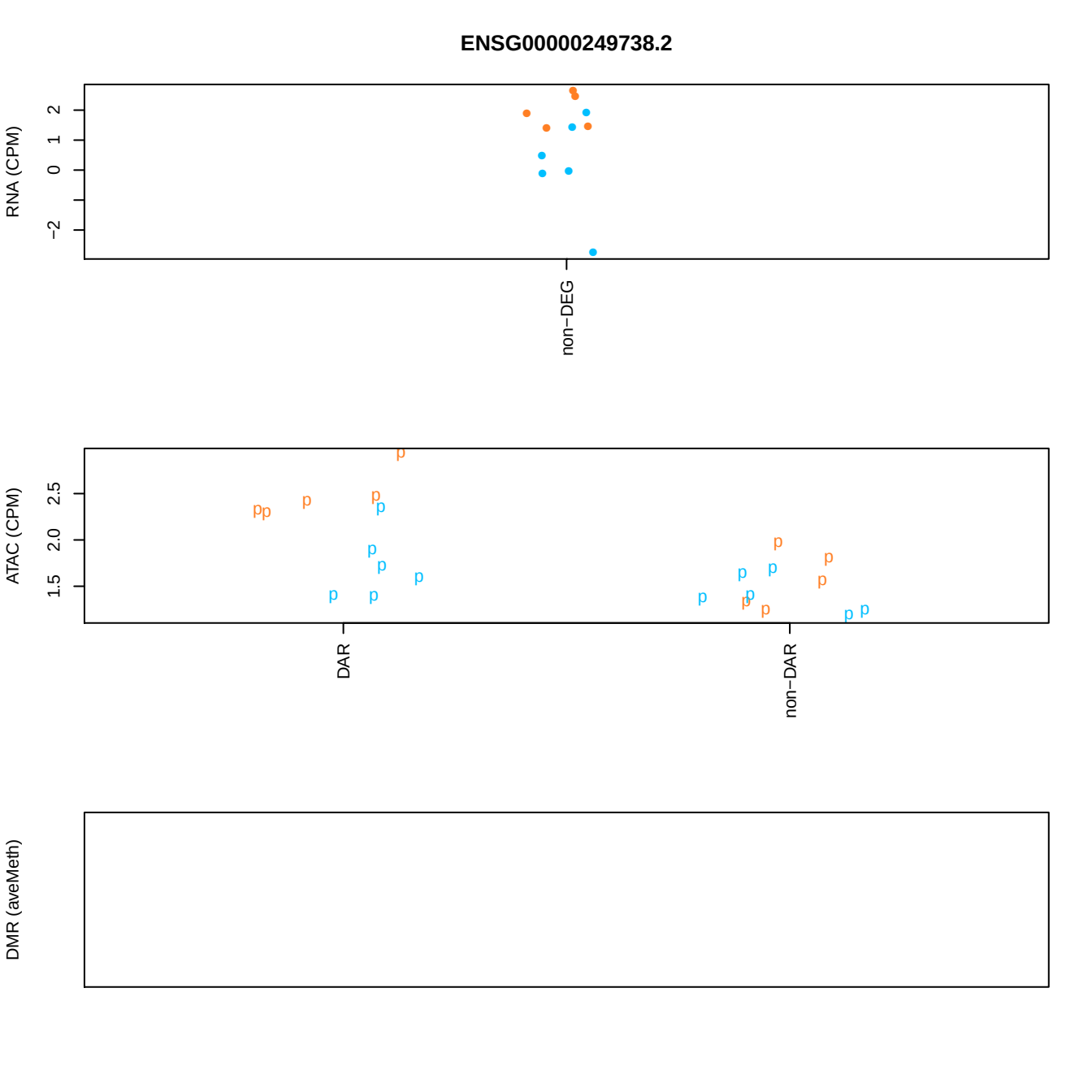
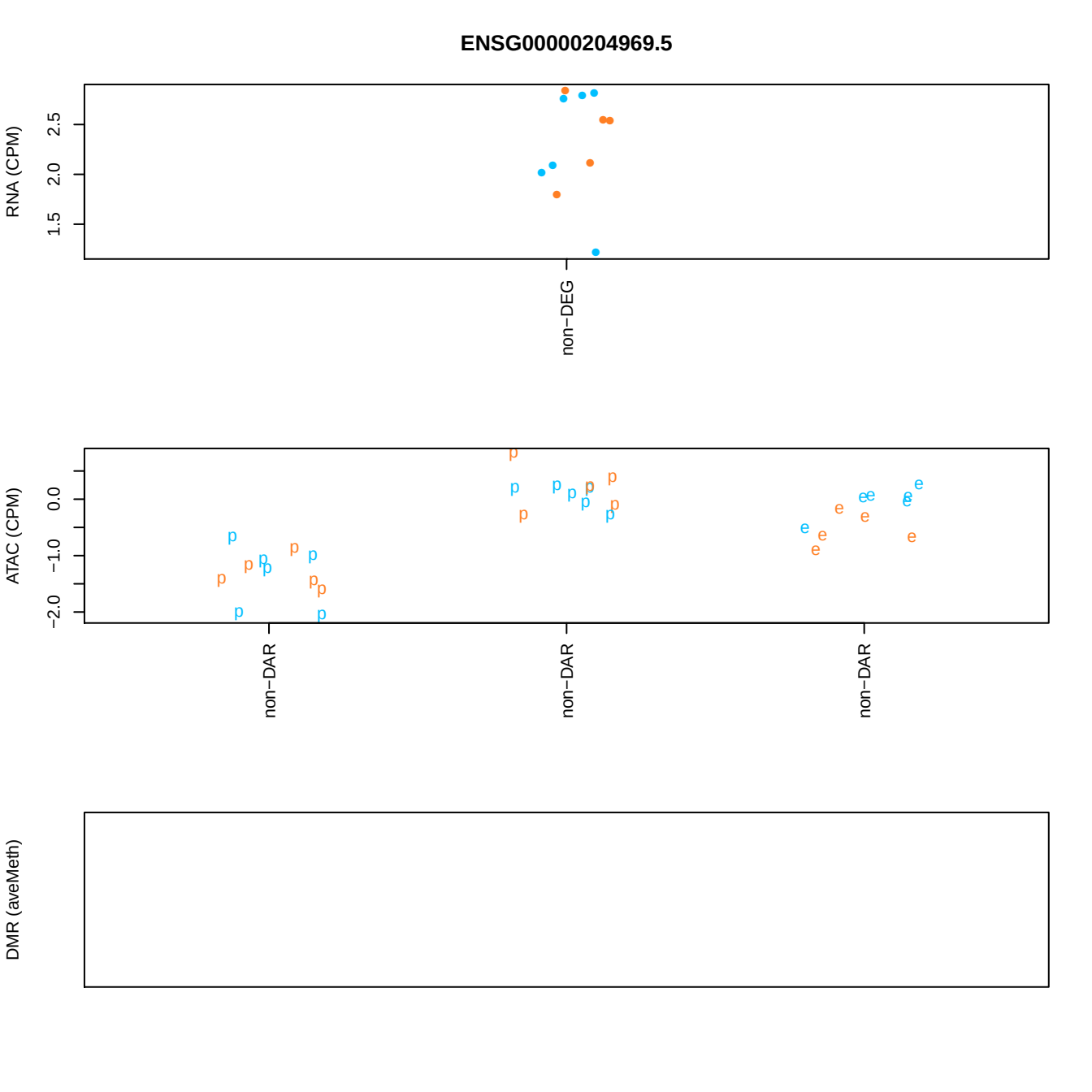
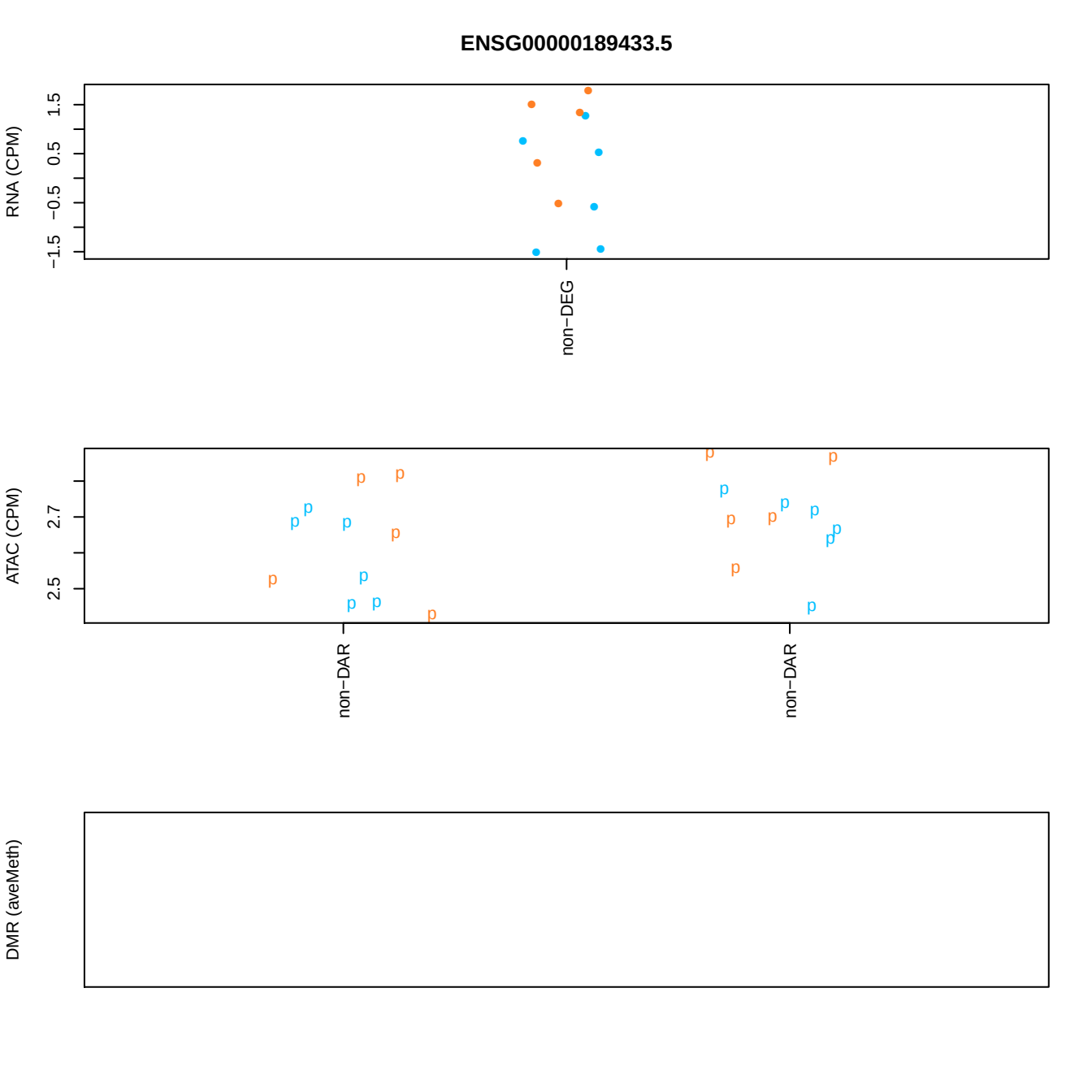
5.0
4.0
non−DEG
ATAC (CPM)
DMR (aveMeth)

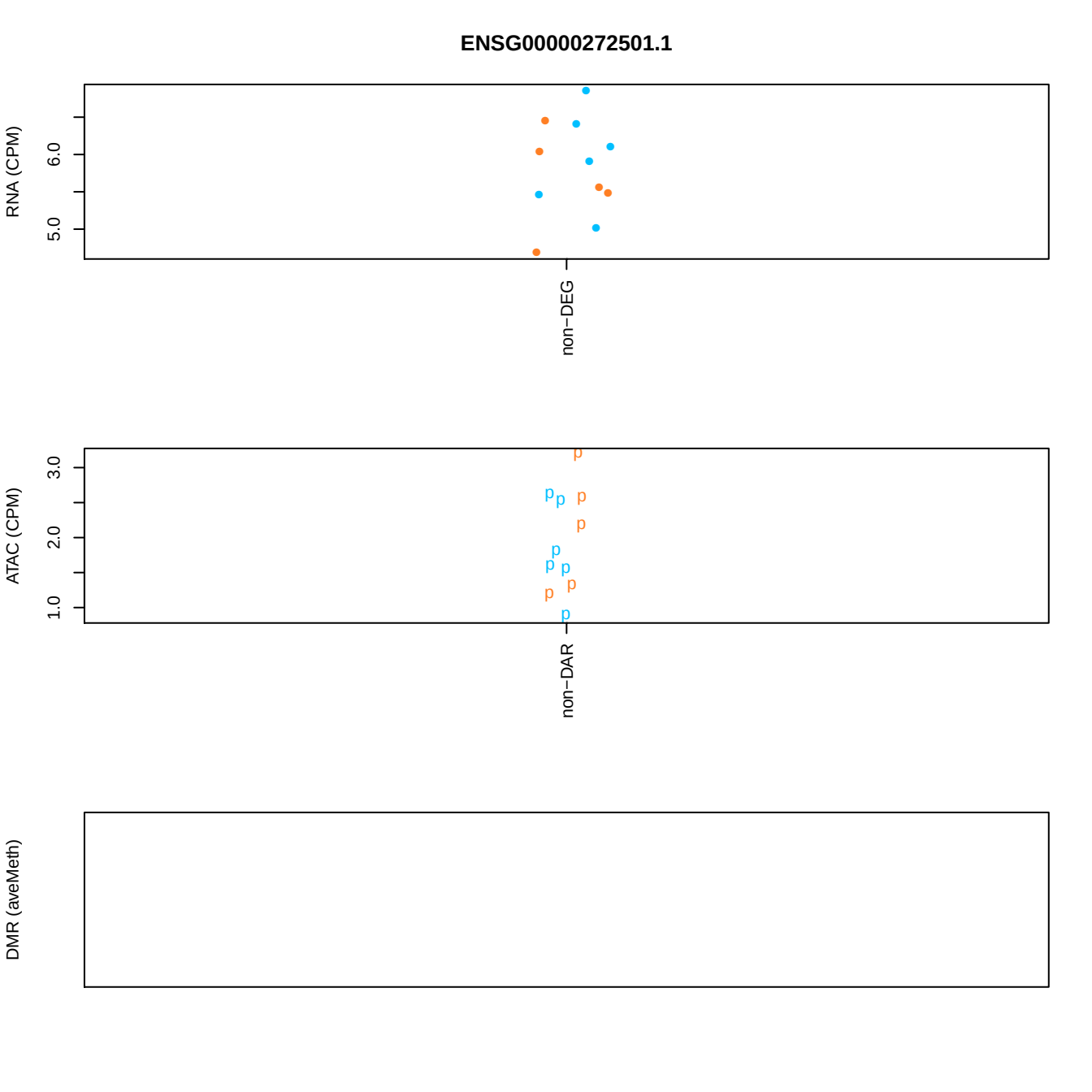

ENSG00000184752.8
RNA (CPM)
1.0
2.0
3.0
4.0
non−DEG
ATAC (CPM)
2.6
3.0
3.4
DAR
DMR (aveMeth)


ENSG00000251408.1
RNA (CPM)
1.5
2.5
3.5
non−DEG
ATAC (CPM)
0
1
2
3
4
5
non−DAR
non−DAR
DMR (aveMeth)


ENSG00000249738.2
RNA (CPM)
−2
0
1
2
non−DEG
ATAC (CPM)
1.5
2.0
2.5
DAR
non−DAR
DMR (aveMeth)


ENSG00000204969.5
RNA (CPM)
1.5
2.0
2.5
non−DEG
ATAC (CPM)
−2.0
−1.0
0.0
non−DAR
non−DAR
non−DAR
DMR (aveMeth)


ENSG00000189433.5
RNA (CPM)
−1.5
−0.5
0.5
1.5
non−DEG
ATAC (CPM)
2.5
2.7
non−DAR
non−DAR
DMR (aveMeth)


ENSG00000272501.1
RNA (CPM)
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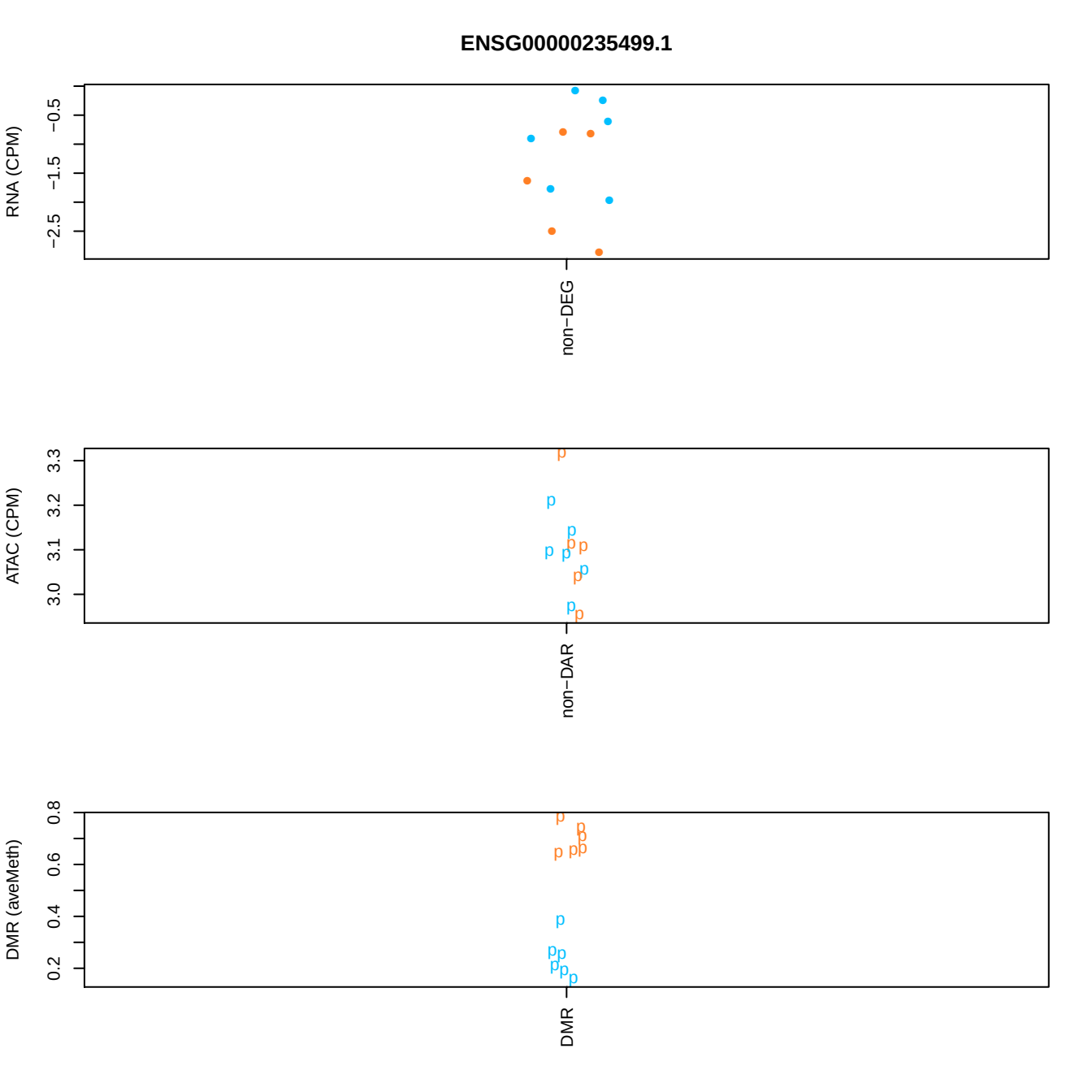
6.0
non−DEG
ATAC (CPM)
1.0
2.0
3.0
non−DAR
DMR (aveMeth)


ENSG00000235499.1
RNA (CPM)
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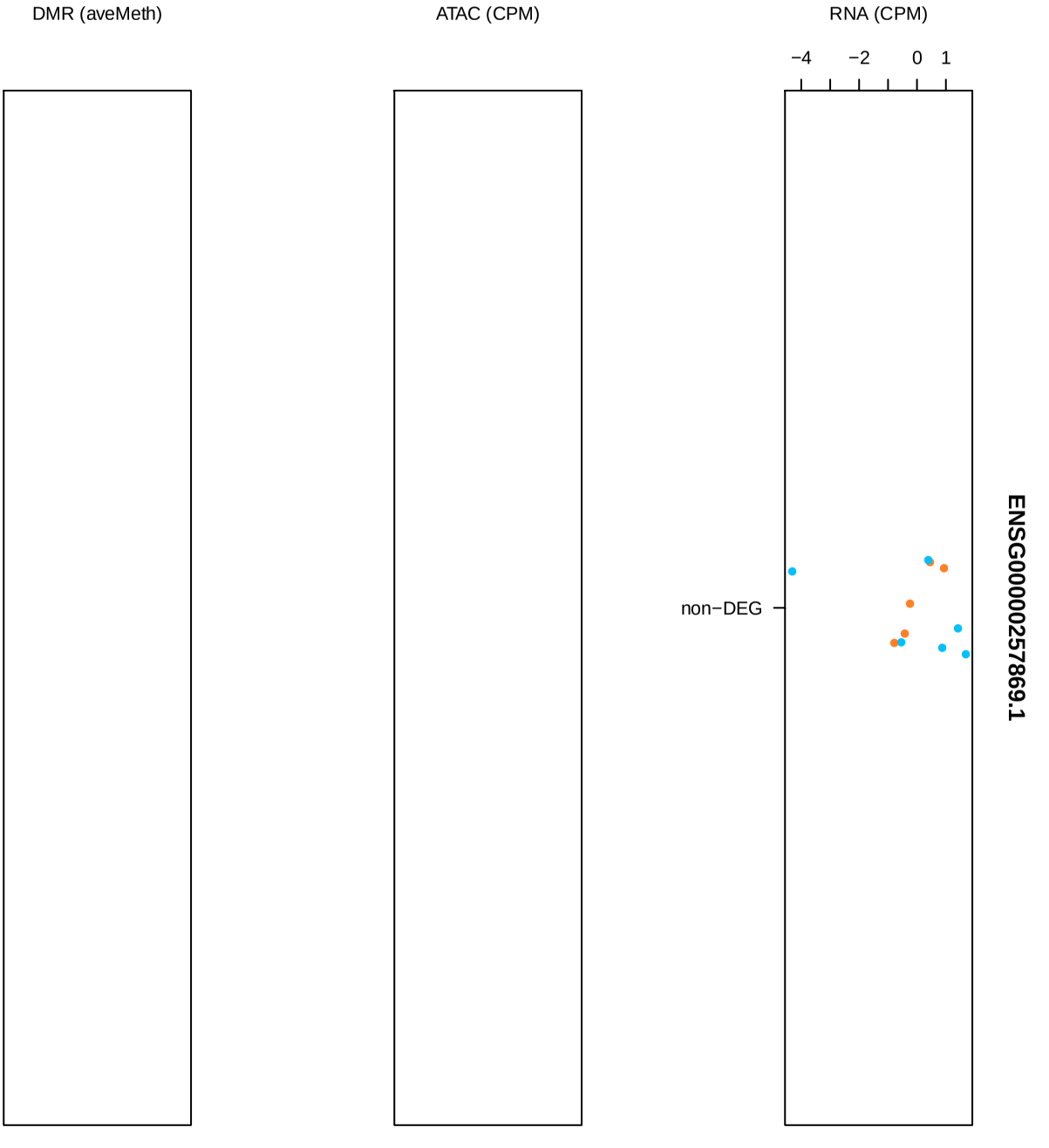
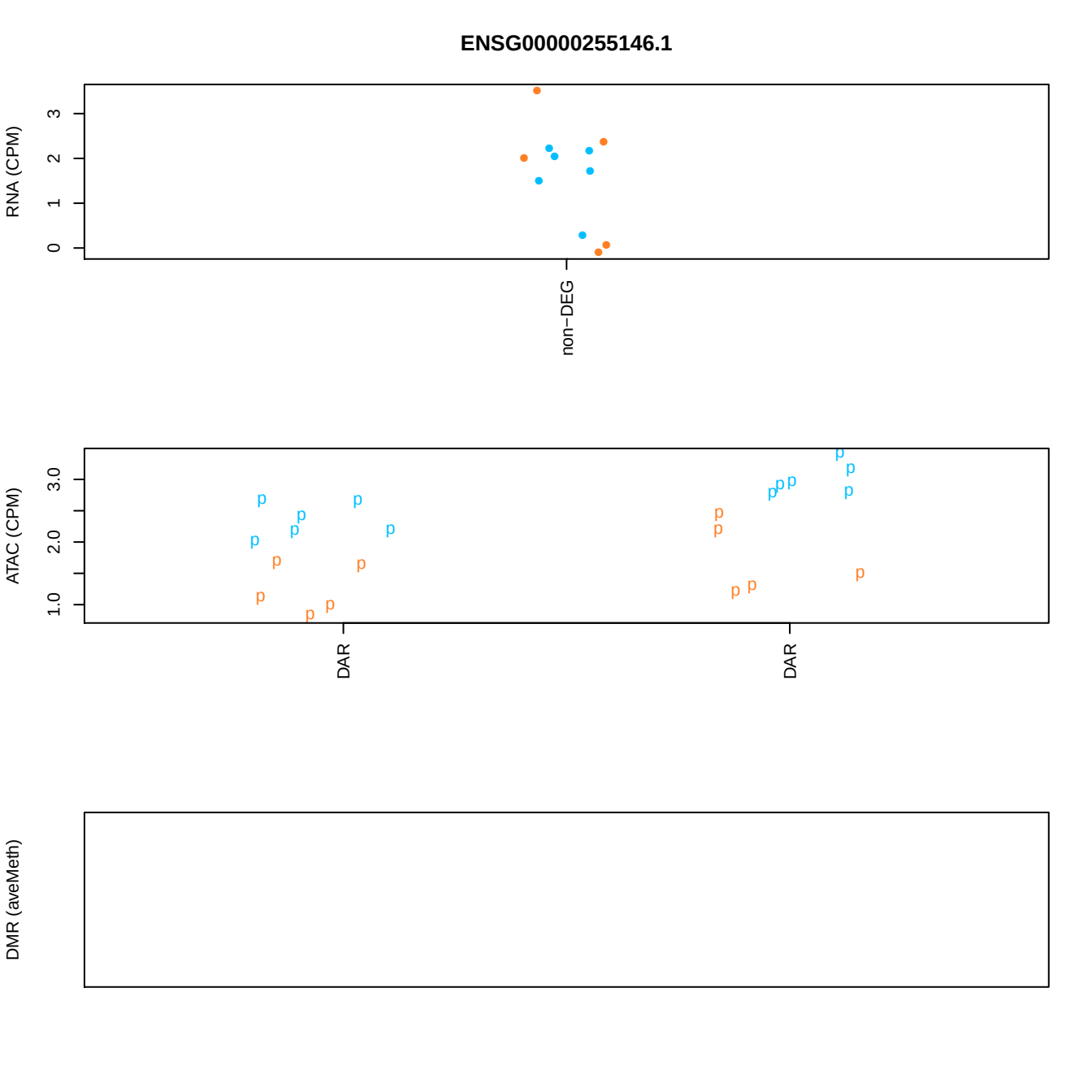
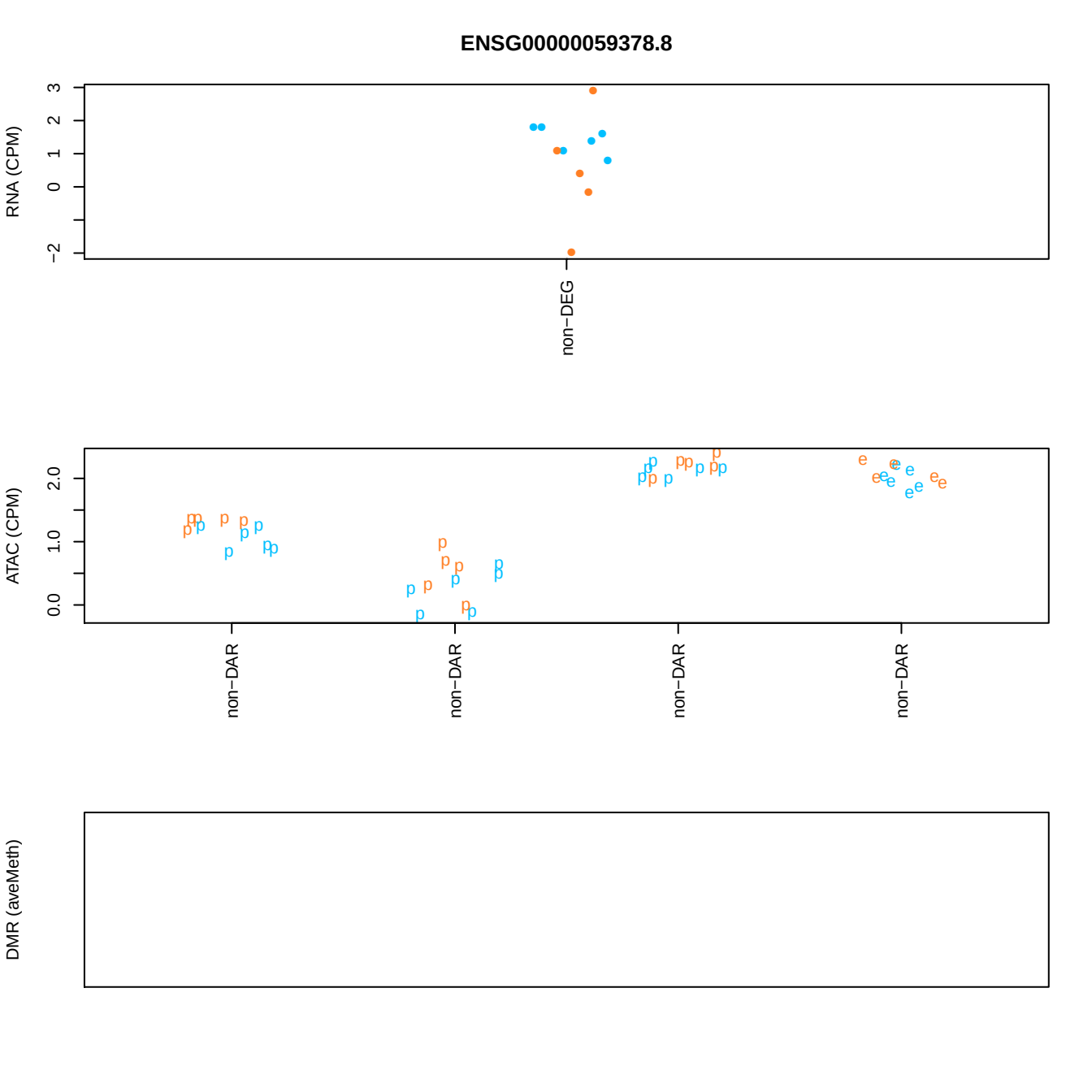
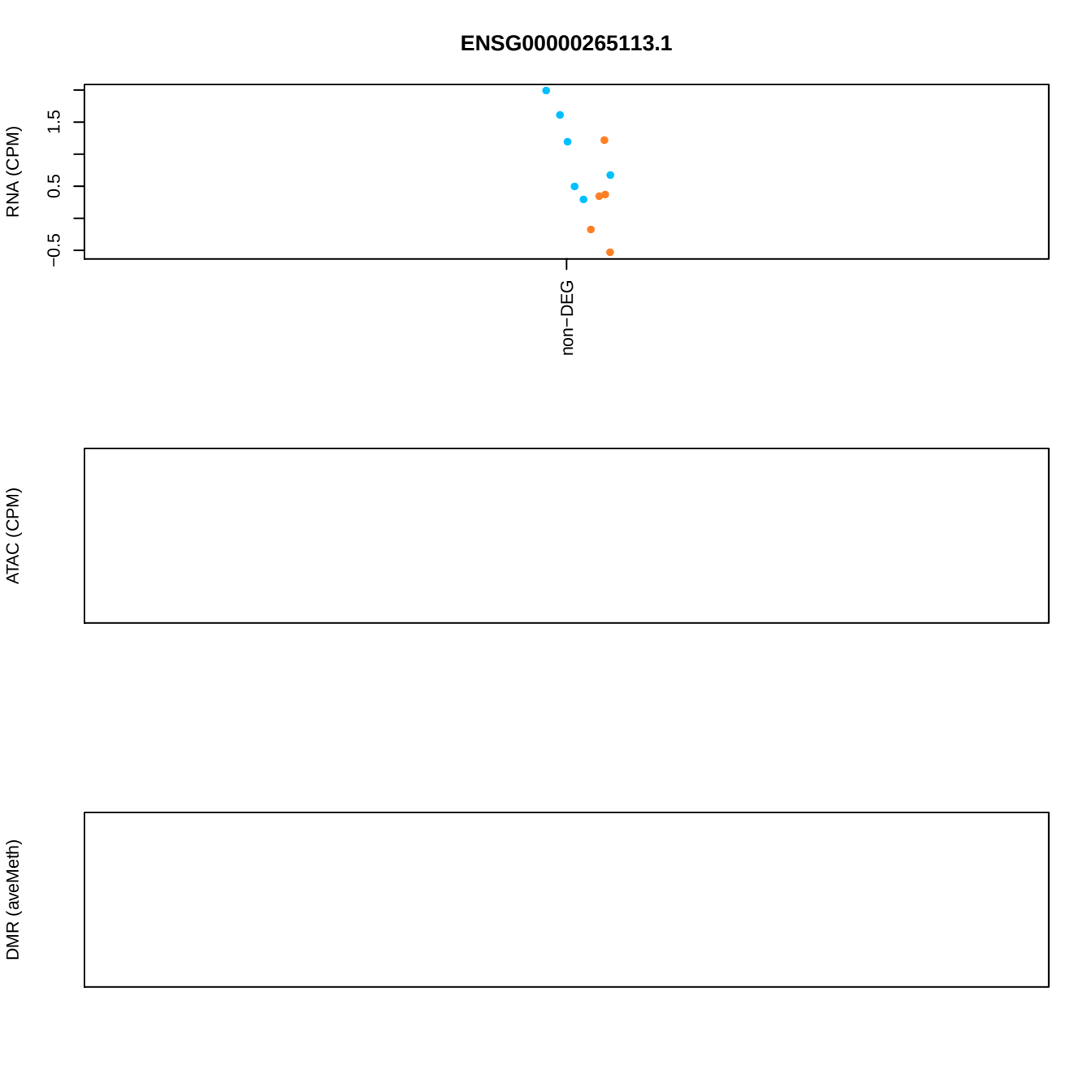
−1.5
−2.5
non−DEG
ATAC (CPM)
3.3
3.2
3.1
3.0
non−DAR
DMR (aveMeth)
0.8
0.6
0.4
0.2
DMR


DMR (aveMeth)
ATAC (CPM)
RNA (CPM)
−4
−2
0
1
non−DEG
ENSG00000257869.1


ENSG00000255146.1
RNA (CPM)
0
1
2
3
non−DEG
ATAC (CPM)
1.0
2.0
3.0
DAR
DAR
DMR (aveMeth)


ENSG00000059378.8
RNA (CPM)
−2
0
1
2
3
non−DEG
ATAC (CPM)
0.0
1.0
2.0
non−DAR
non−DAR
non−DAR
non−DAR
DMR (aveMeth)


ENSG00000265113.1
RNA (CPM)
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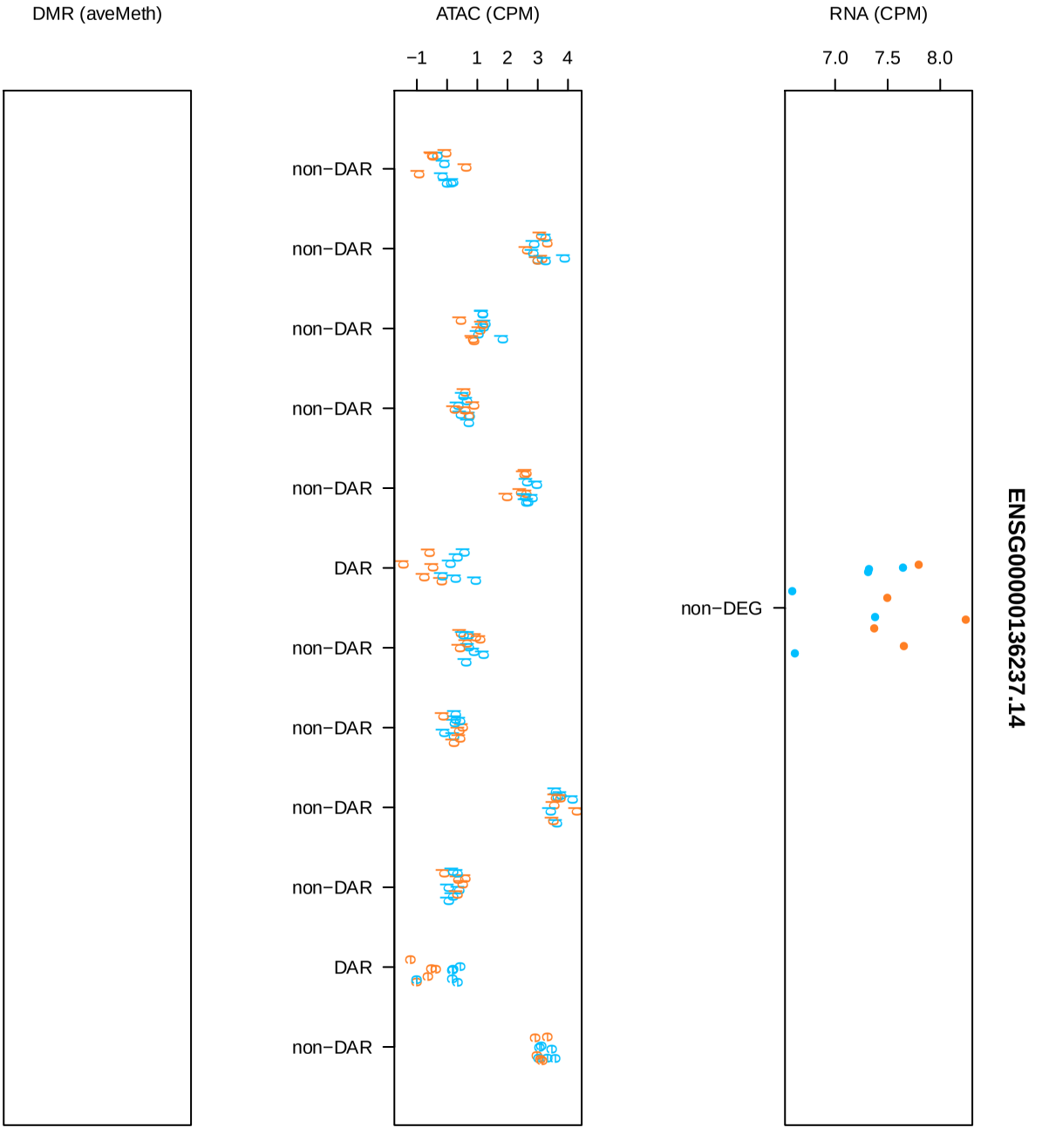
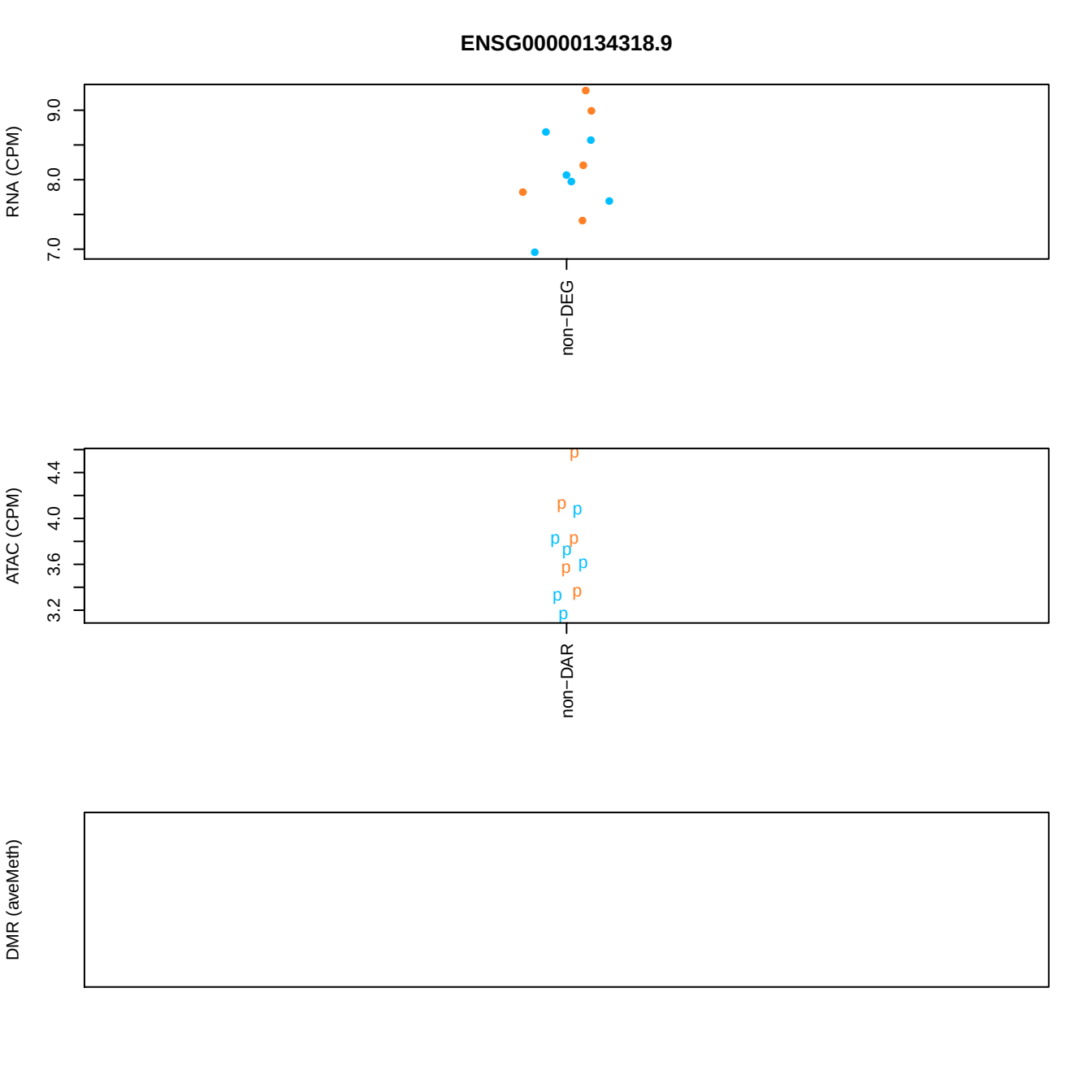
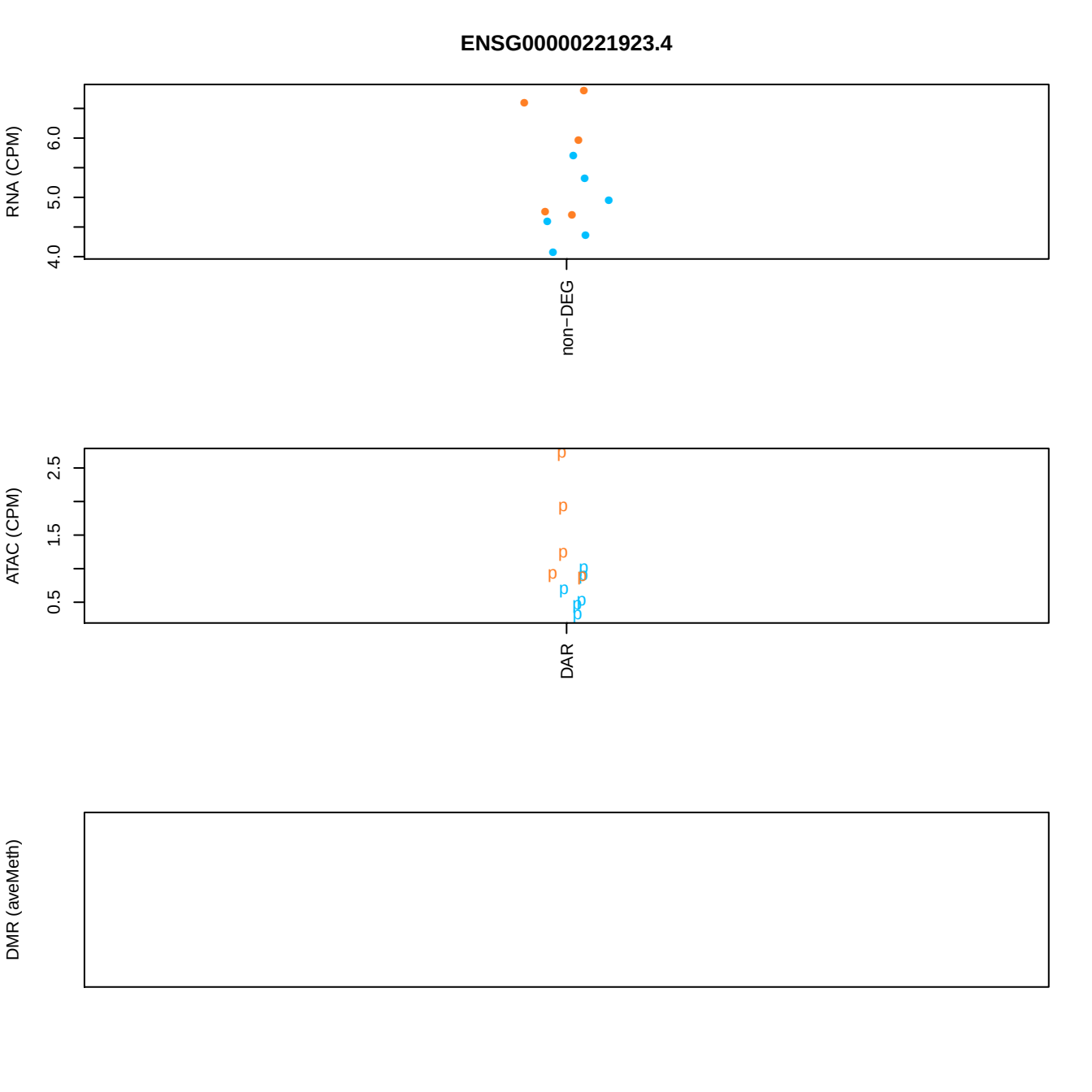
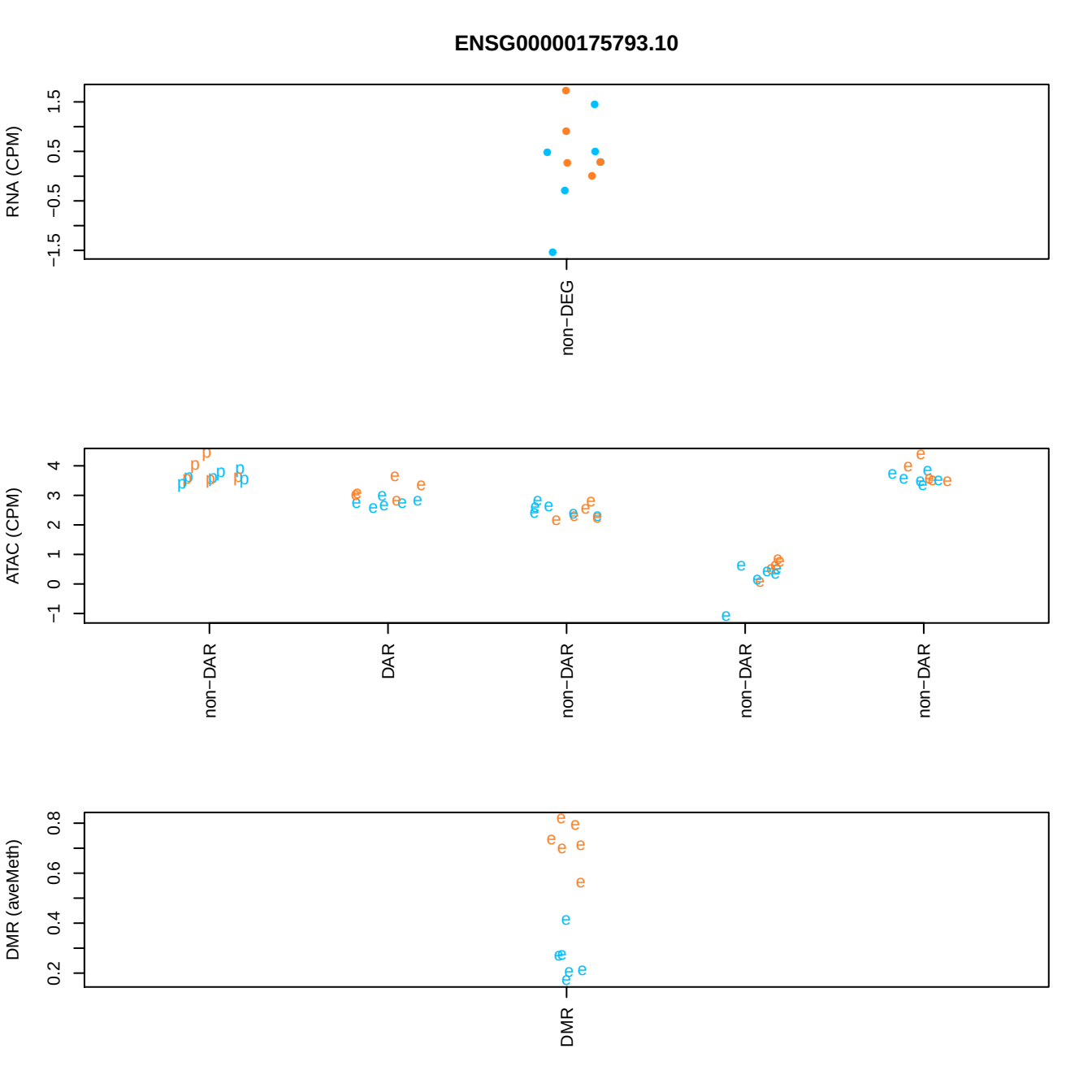
0.5
1.5
non−DEG
ATAC (CPM)
DMR (aveMeth)


DMR (aveMeth)
ATAC (CPM)
−1
1
2
3
4
non−DAR
non−DAR
non−DAR
non−DAR
non−DAR
DAR
non−DAR
non−DAR
non−DAR
non−DAR
DAR
non−DAR
RNA (CPM)
7.0
7.5
8.0
non−DEG
ENSG00000136237.14


ENSG00000134318.9
RNA (CPM)
9.0
8.0
7.0
non−DEG
ATAC (CPM)
4.4
4.0
3.6
3.2
non−DAR
DMR (aveMeth)


ENSG00000221923.4
RNA (CPM)
4.0
5.0
6.0
non−DEG
ATAC (CPM)
0.5
1.5
2.5
DAR
DMR (aveMeth)


ENSG00000175793.10
RNA (CPM)
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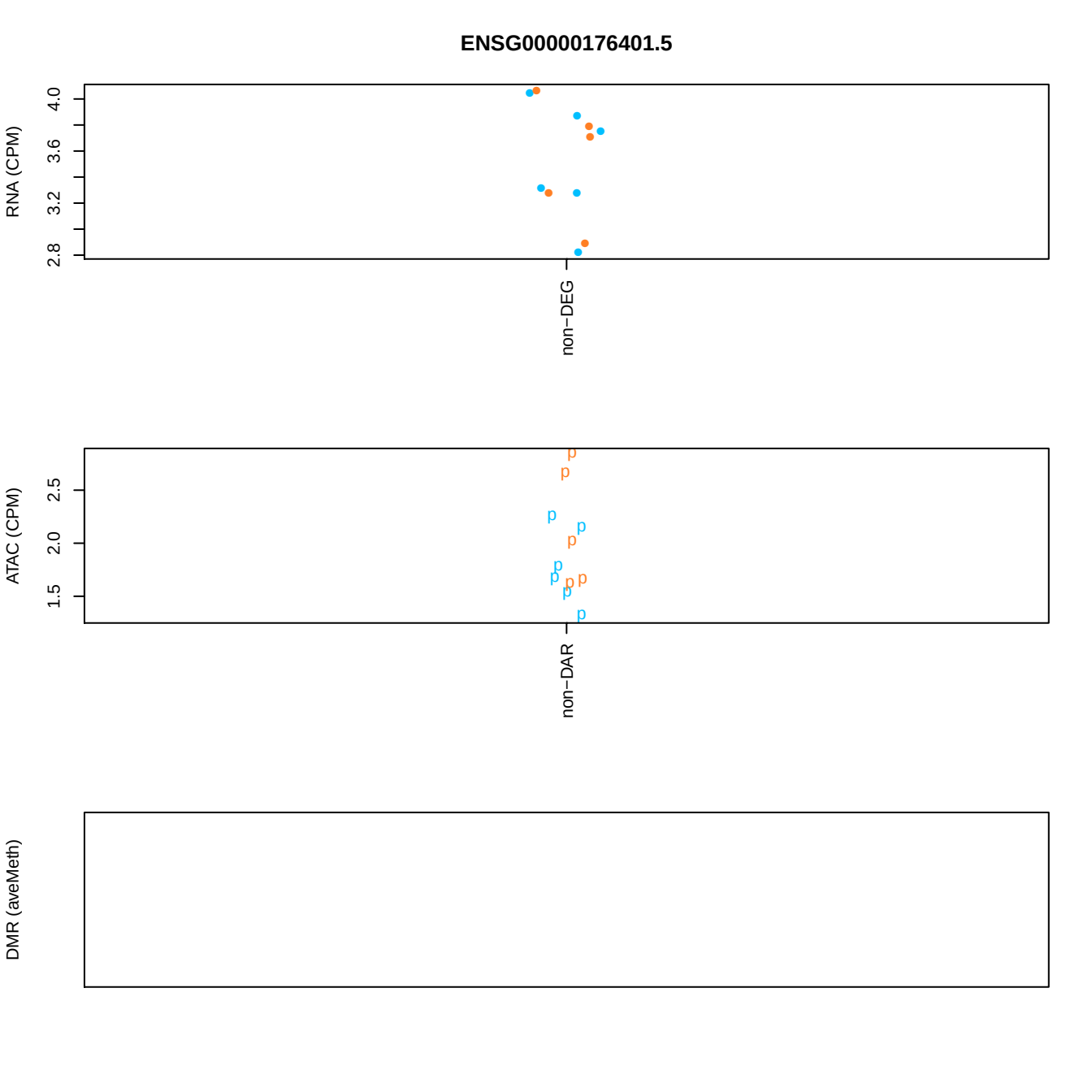
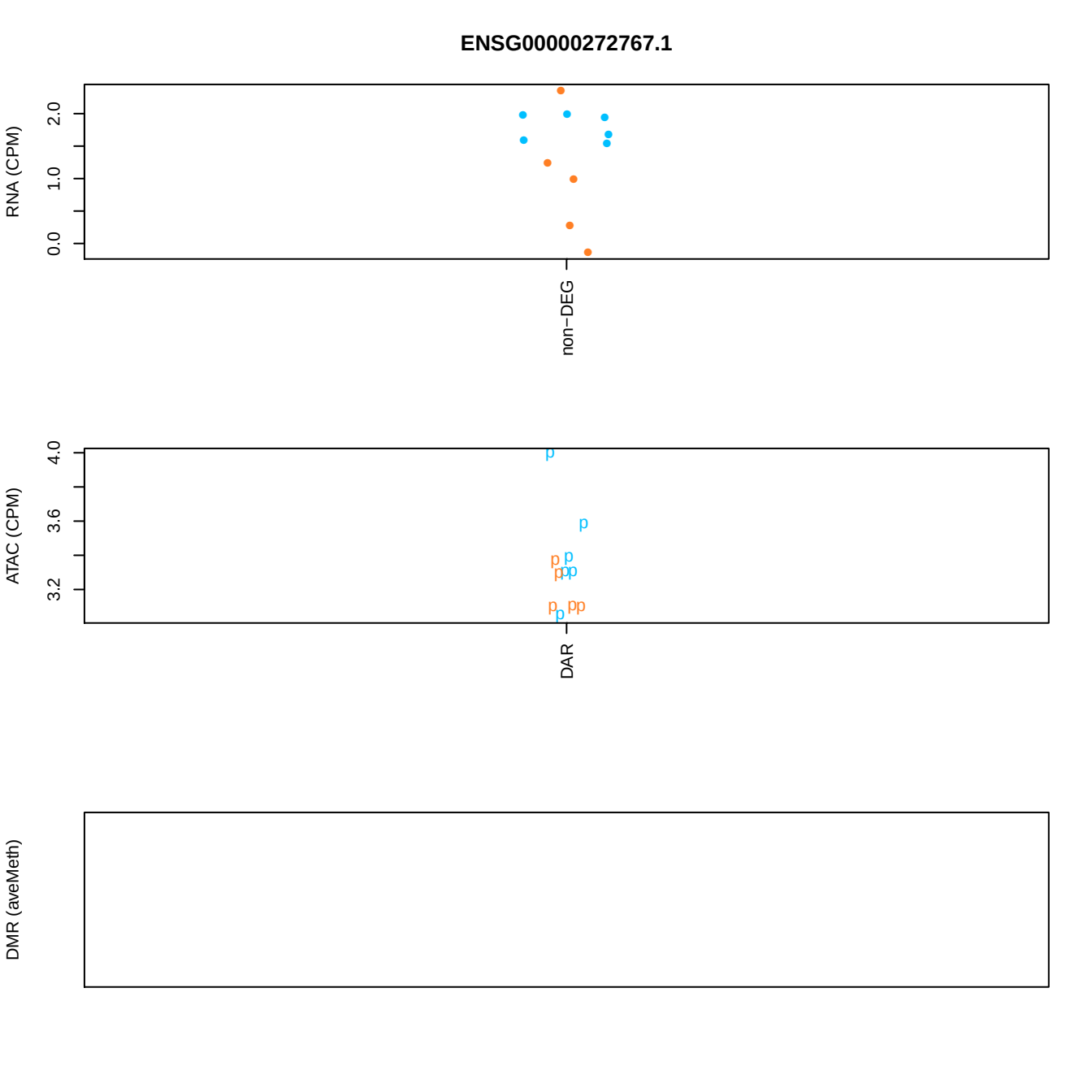
−0.5
0.5
1.5
non−DEG
ATAC (CPM)
−1
0
1
2
3
4
non−DAR
DAR
non−DAR
non−DAR
non−DAR
DMR (aveMeth)
0.2
0.4
0.6
0.8
DMR


ENSG00000176401.5
RNA (CPM)
2.8
3.2
3.6
4.0
non−DEG
ATAC (CPM)
1.5
2.0
2.5
non−DAR
DMR (aveMeth)


ENSG00000272767.1
RNA (CPM)
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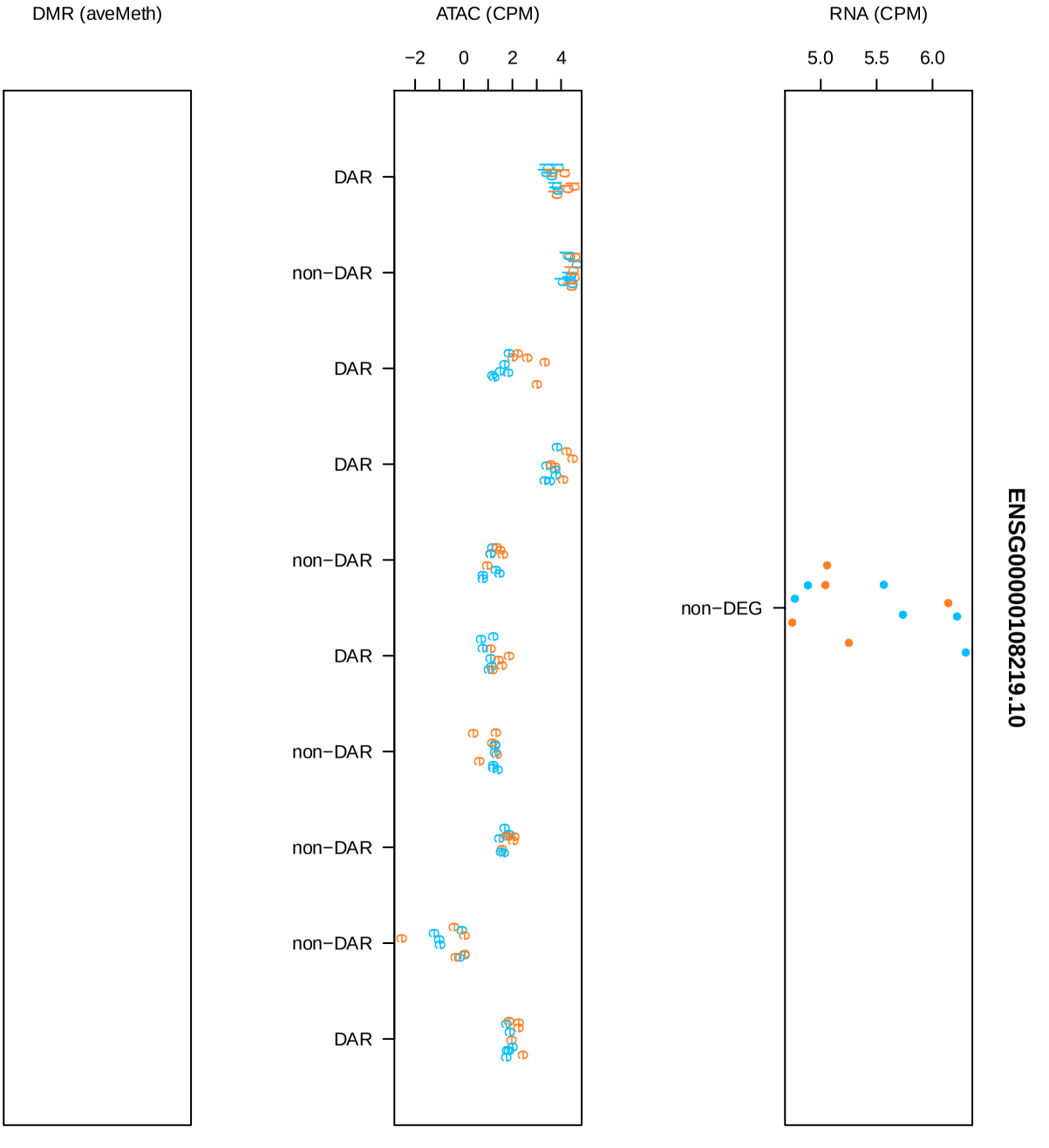
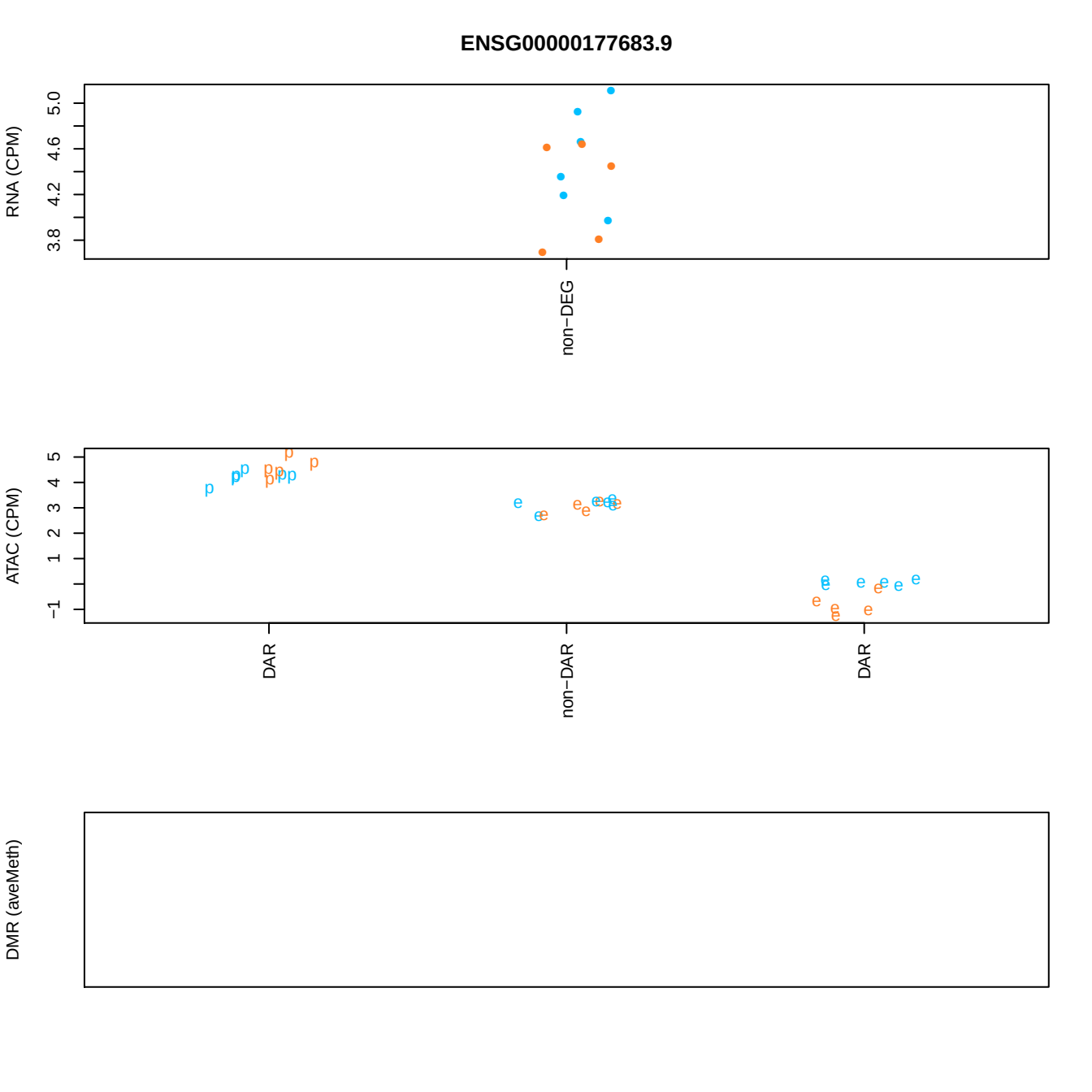
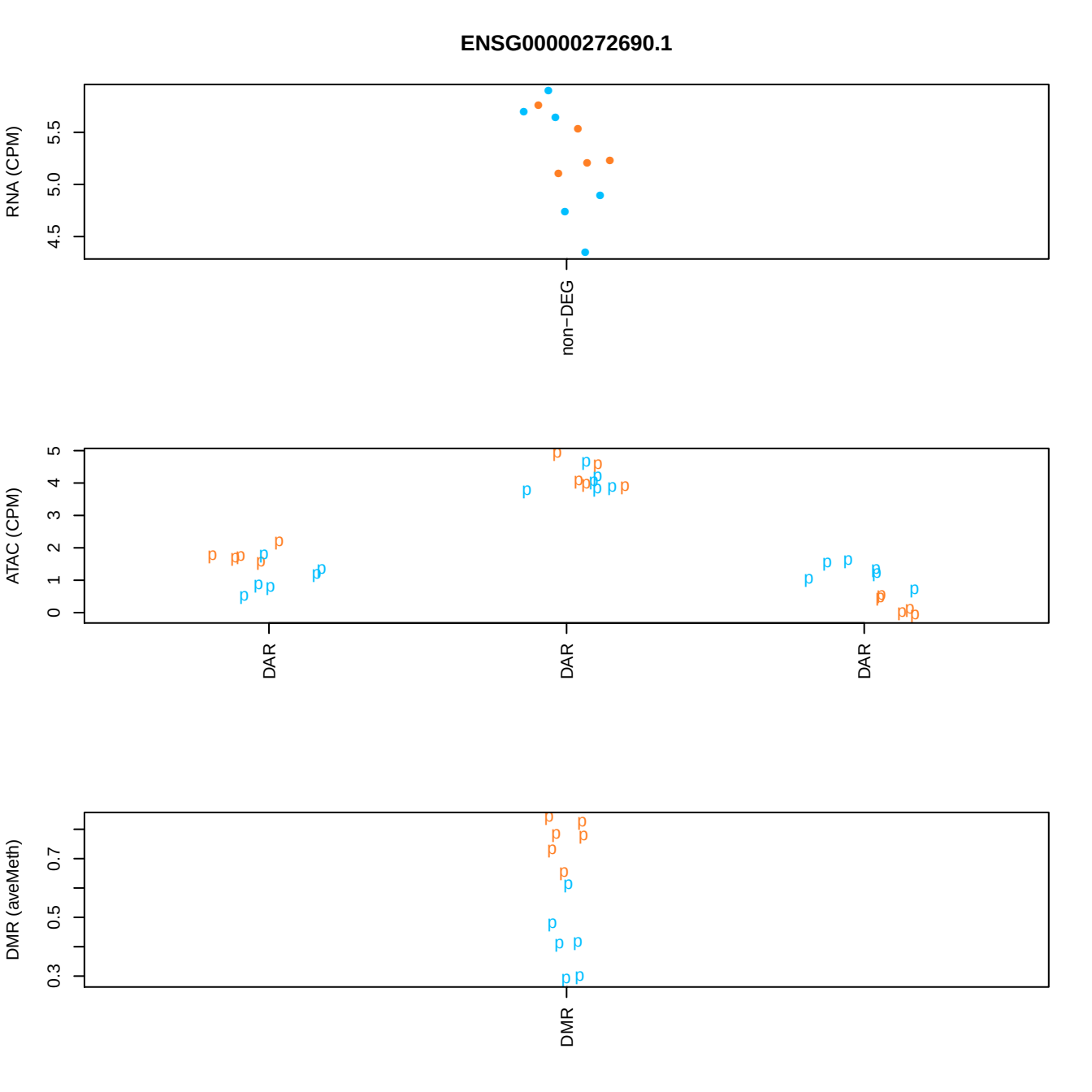
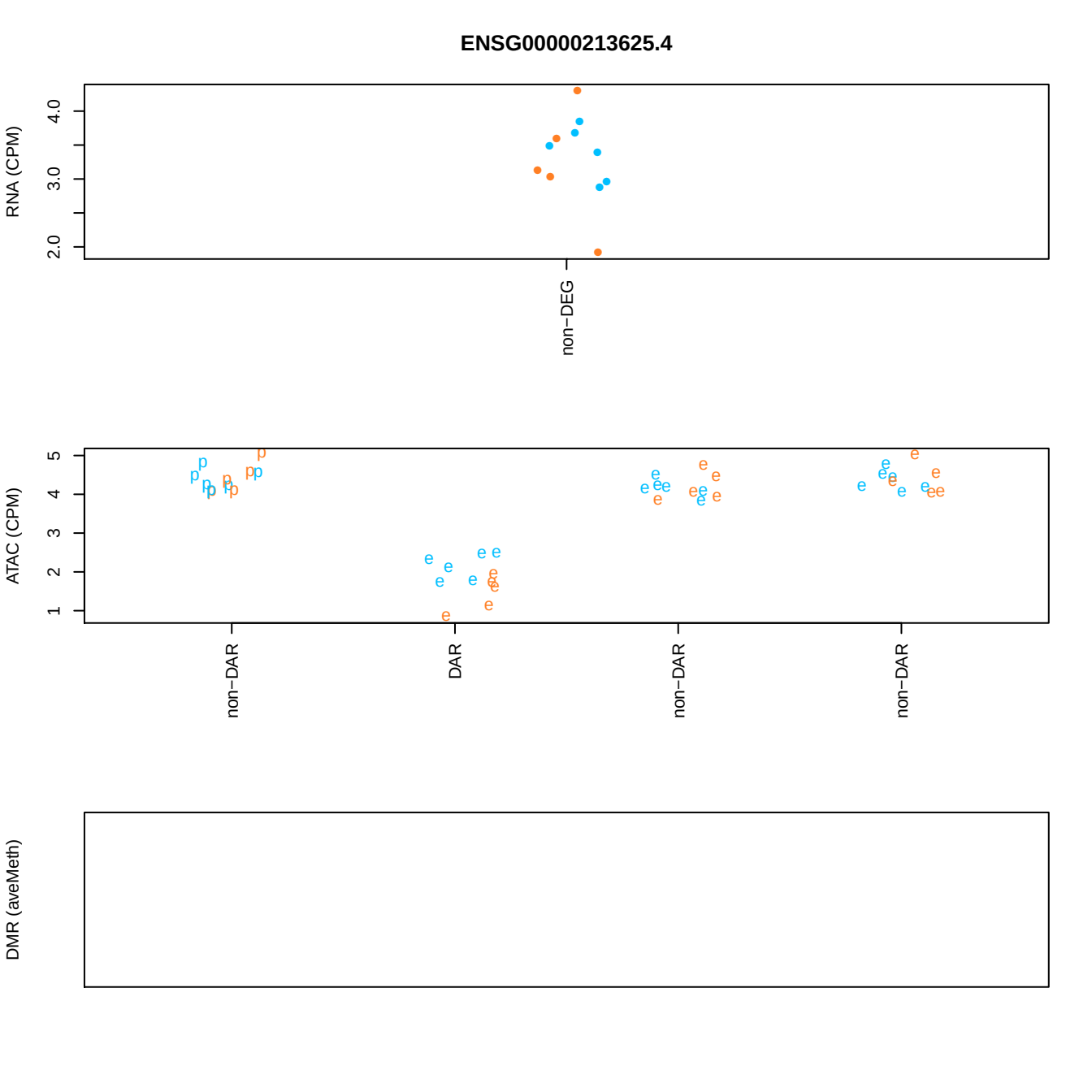
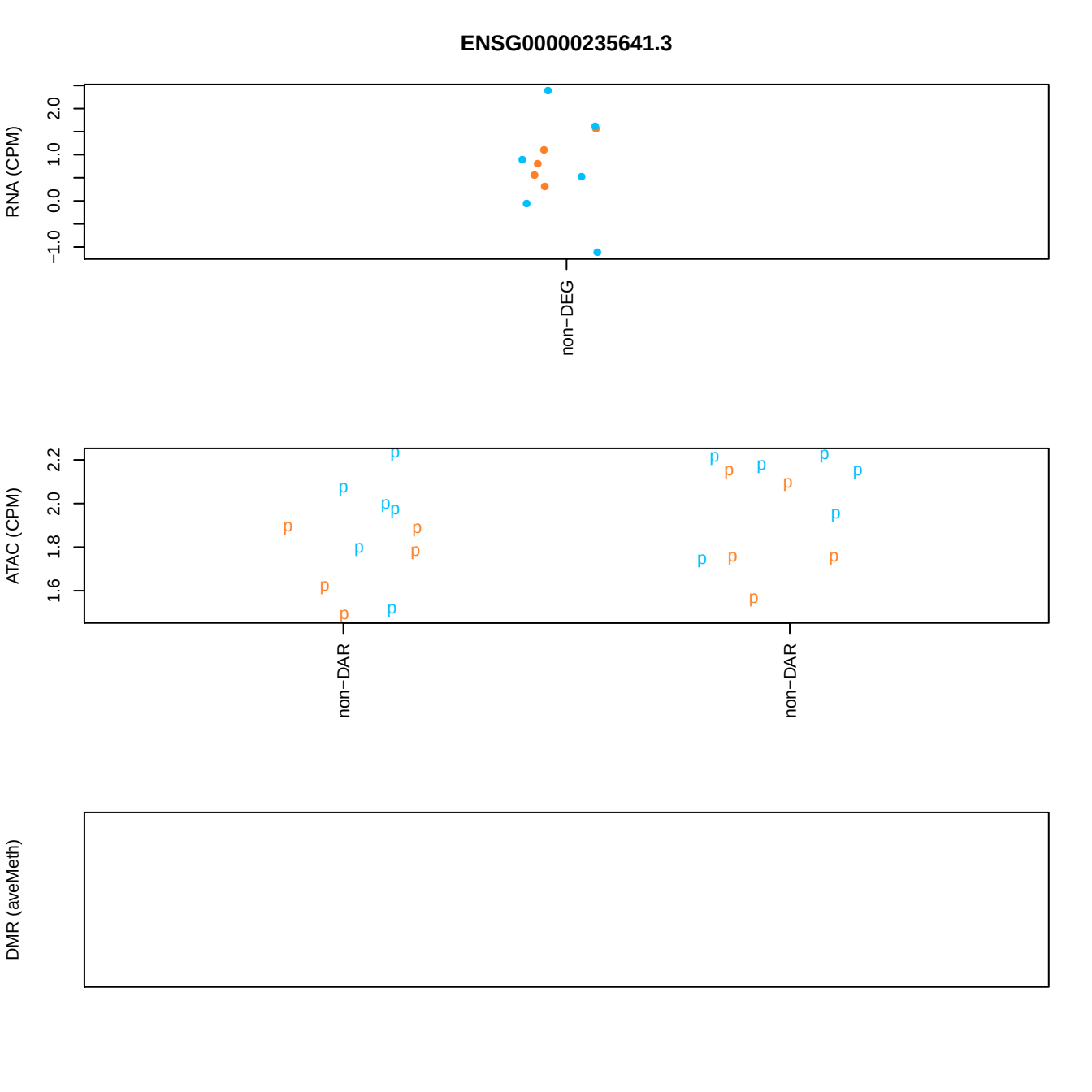
1.0
2.0
non−DEG
ATAC (CPM)
3.2
3.6
4.0
DAR
DMR (aveMeth)


DMR (aveMeth)
ATAC (CPM)
−2
0
2
4
DAR
non−DAR
DAR
DAR
non−DAR
DAR
non−DAR
non−DAR
non−DAR
DAR
RNA (CPM)
5.0
5.5
6.0
non−DEG
ENSG00000108219.10


ENSG00000177683.9
RNA (CPM)
3.8
4.2
4.6
5.0
non−DEG
ATAC (CPM)
−1
1
2
3
4
5
DAR
non−DAR
DAR
DMR (aveMeth)


ENSG00000272690.1
RNA (CPM)
4.5
5.0
5.5
non−DEG
ATAC (CPM)
0
1
2
3
4
5
DAR
DAR
DAR
DMR (aveMeth)
0.3
0.5
0.7
DMR


ENSG00000213625.4
RNA (CPM)
2.0
3.0
4.0
non−DEG
ATAC (CPM)
1
2
3
4
5
non−DAR
DAR
non−DAR
non−DAR
DMR (aveMeth)


ENSG00000235641.3
RNA (CPM)
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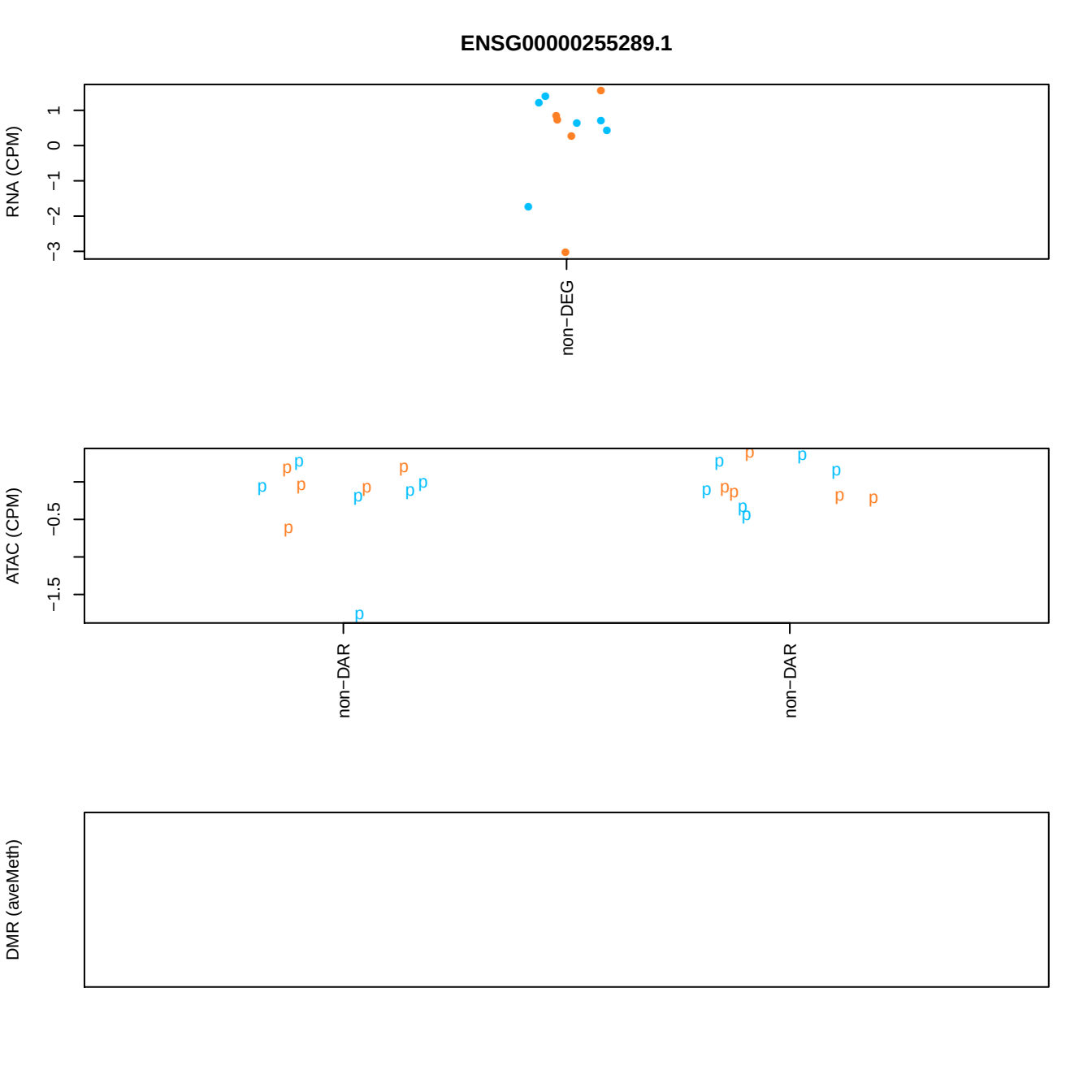
0.0
1.0
2.0
non−DEG
ATAC (CPM)
1.6
1.8
2.0
2.2
non−DAR
non−DAR
DMR (aveMeth)


ENSG00000255289.1
RNA (CPM)
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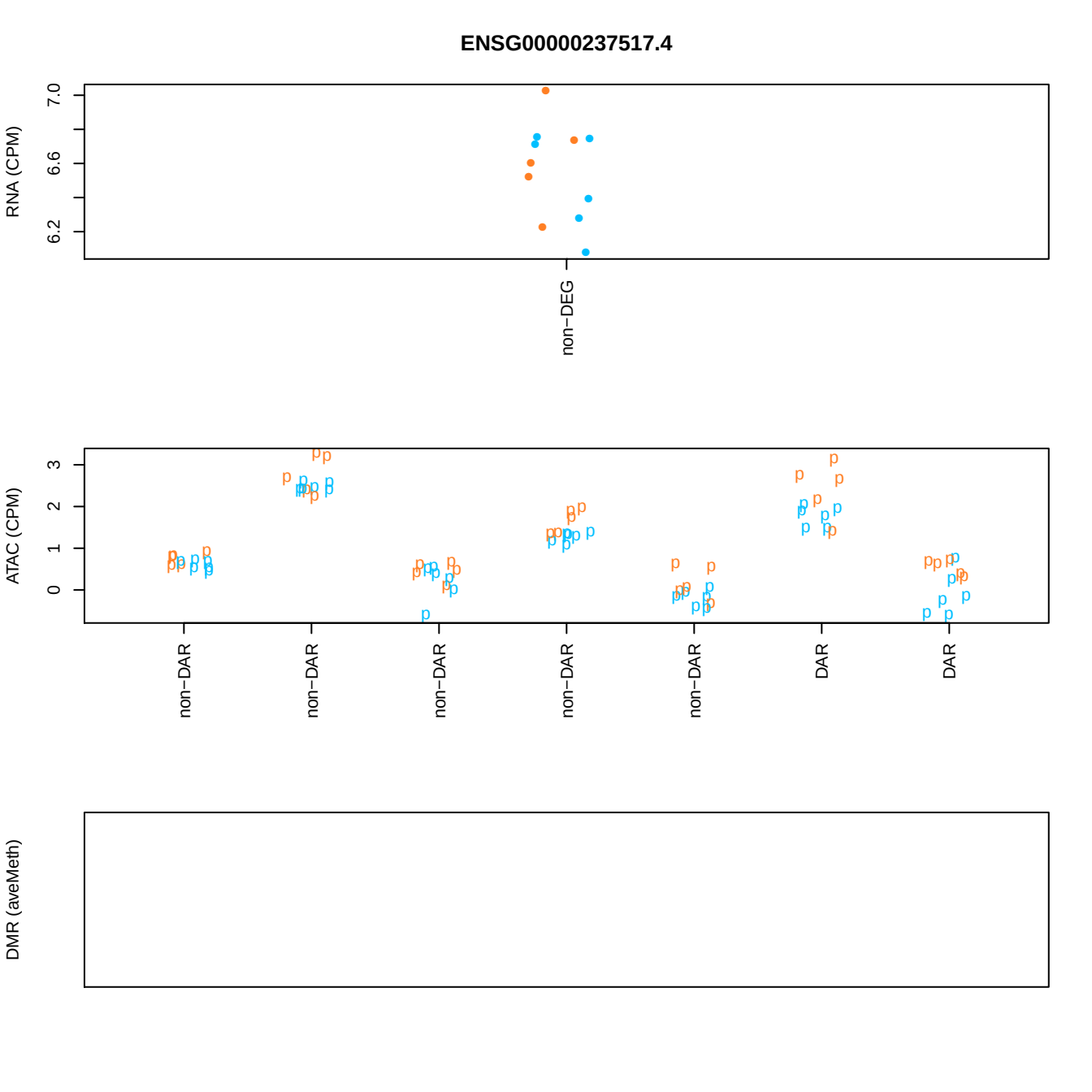
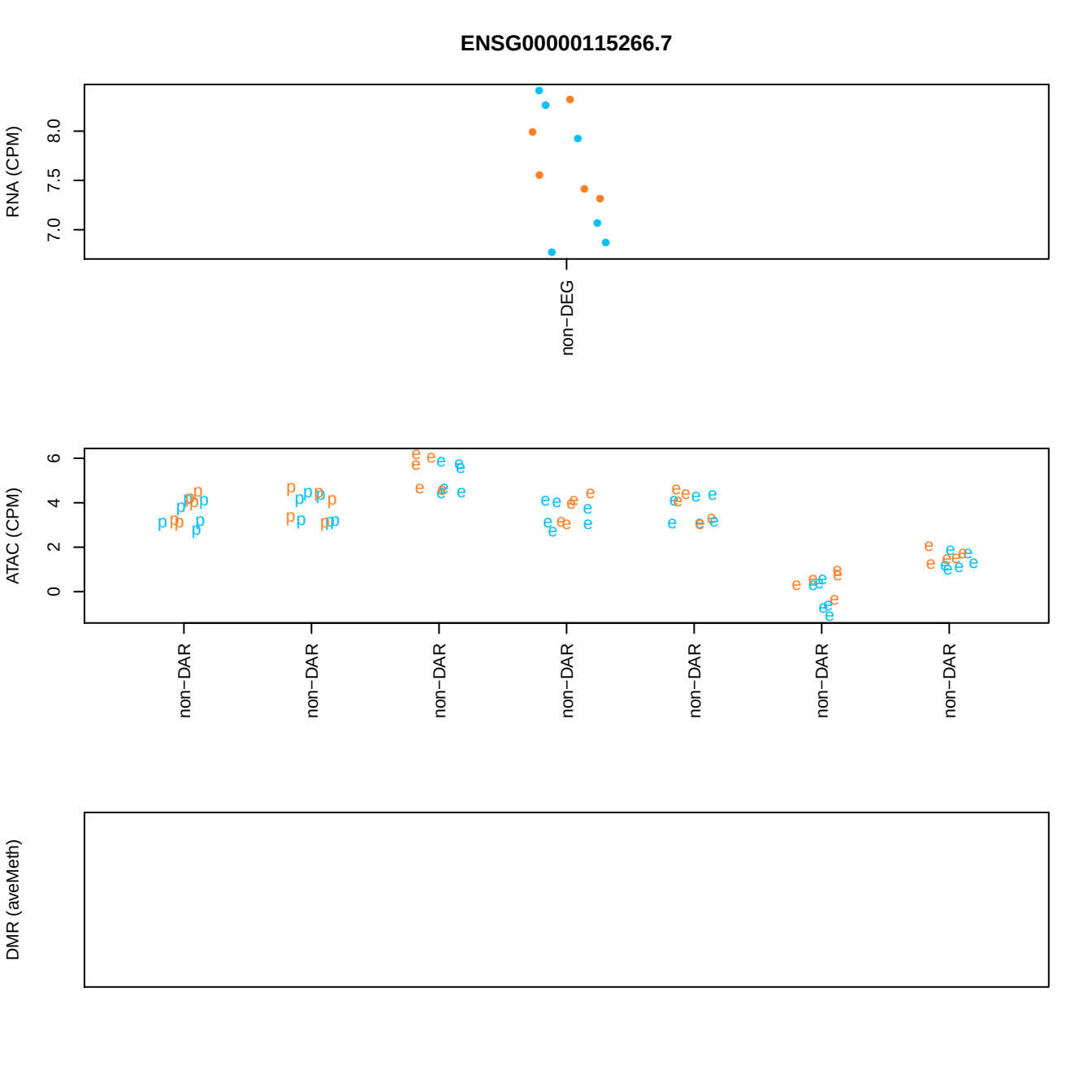
−1
0
1
non−DEG
ATAC (CPM)
−1.5
−0.5
non−DAR
non−DAR
DMR (aveMeth)


ENSG00000237517.4
RNA (CPM)
7.0
6.6
6.2
non−DEG
ATAC (CPM)
3
2
1
0
non−DAR
non−DAR
non−DAR
non−DAR
non−DAR
DAR
DAR
DMR (aveMeth)


ENSG00000115266.7
RNA (CPM)
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7.5
8.0
non−DEG
ATAC (CPM)
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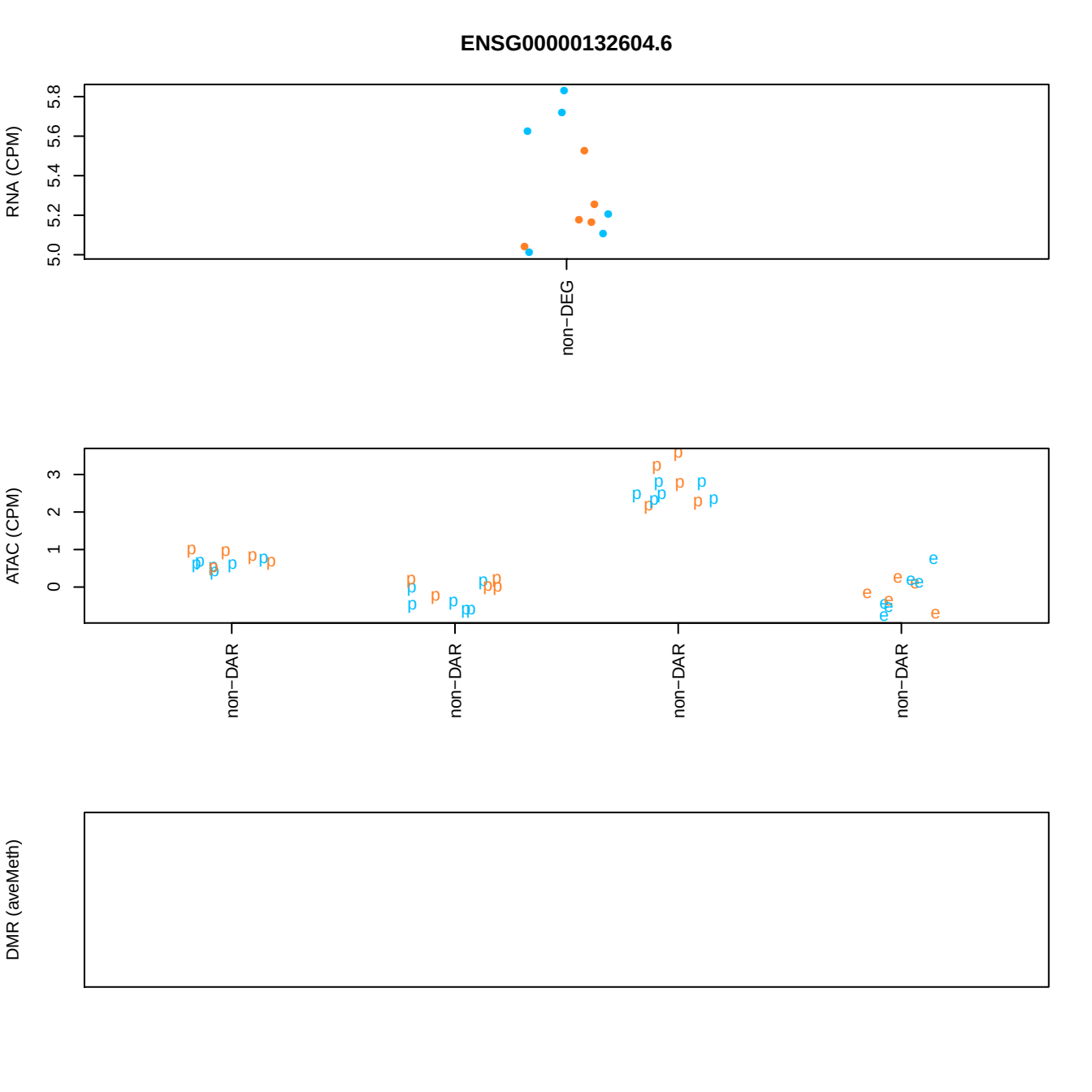
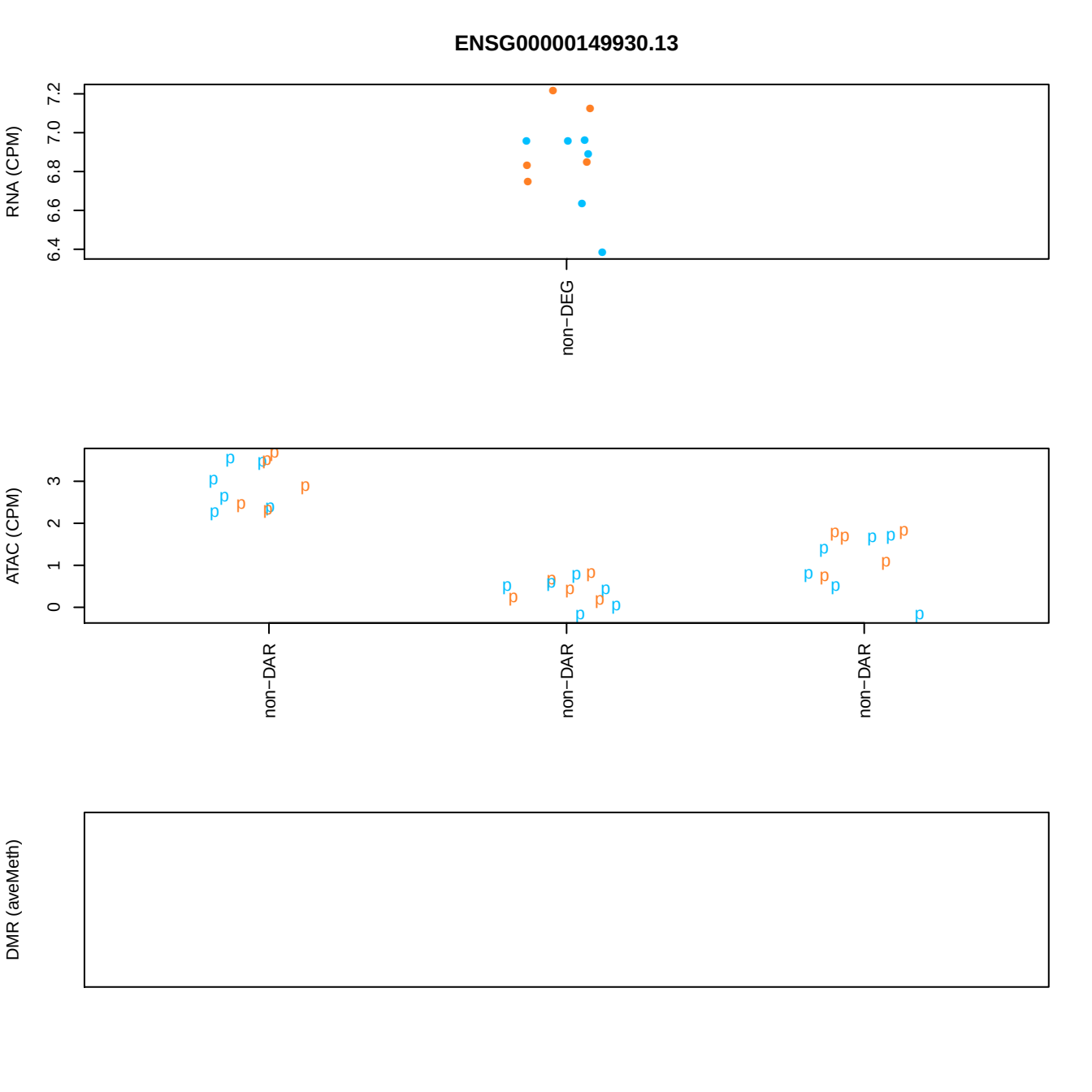
4
6
non−DAR
non−DAR
non−DAR
non−DAR
non−DAR
non−DAR
non−DAR
DMR (aveMeth)


ENSG00000132604.6
RNA (CPM)
5.0
5.2
5.4
5.6
5.8
non−DEG
ATAC (CPM)
0
1
2
3
non−DAR
non−DAR
non−DAR
non−DAR
DMR (aveMeth)


ENSG00000149930.13
RNA (CPM)
6.4
6.6
6.8
7.0
7.2
non−DEG
ATAC (CPM)
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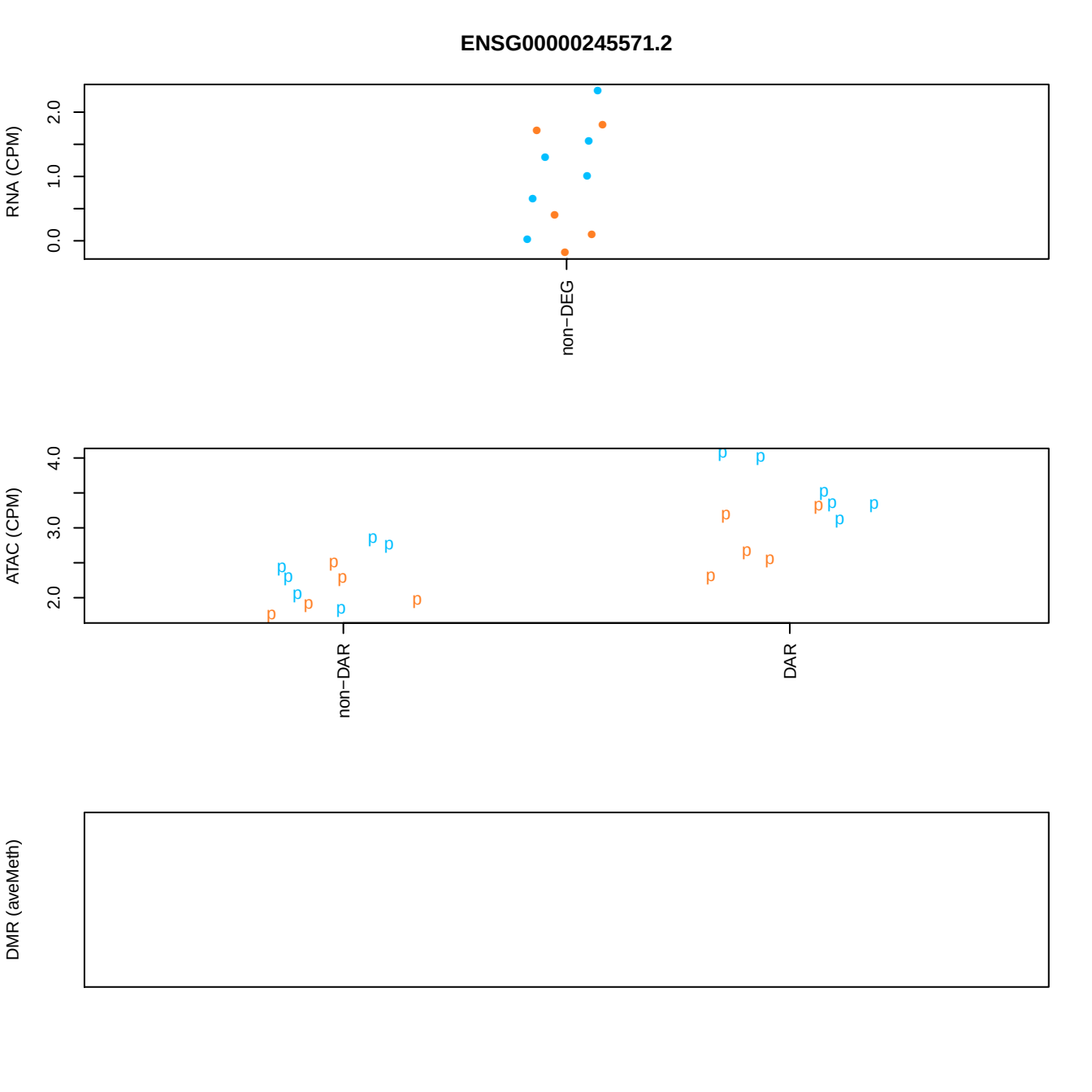
1
2
3
non−DAR
non−DAR
non−DAR
DMR (aveMeth)


ENSG00000245571.2
RNA (CPM)
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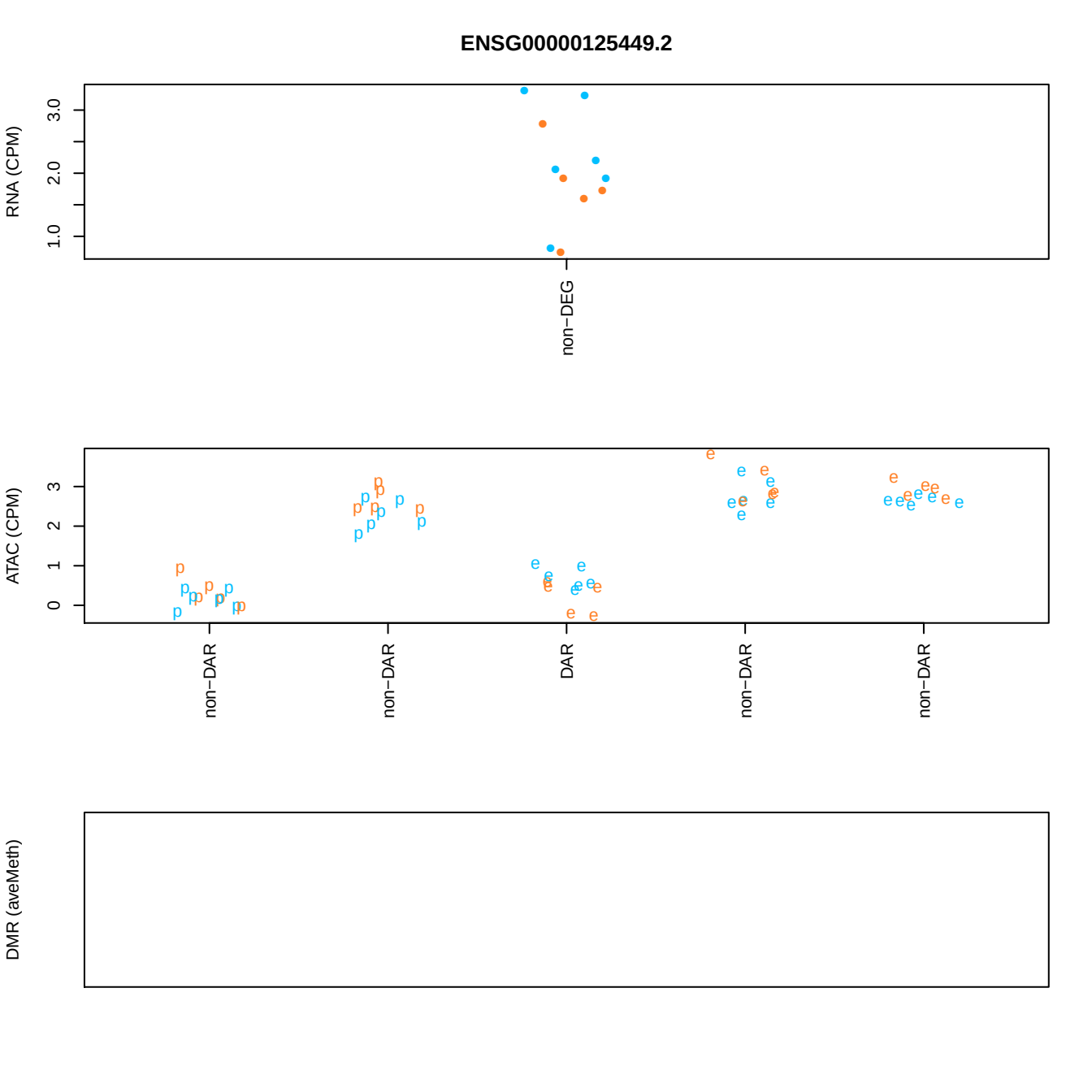
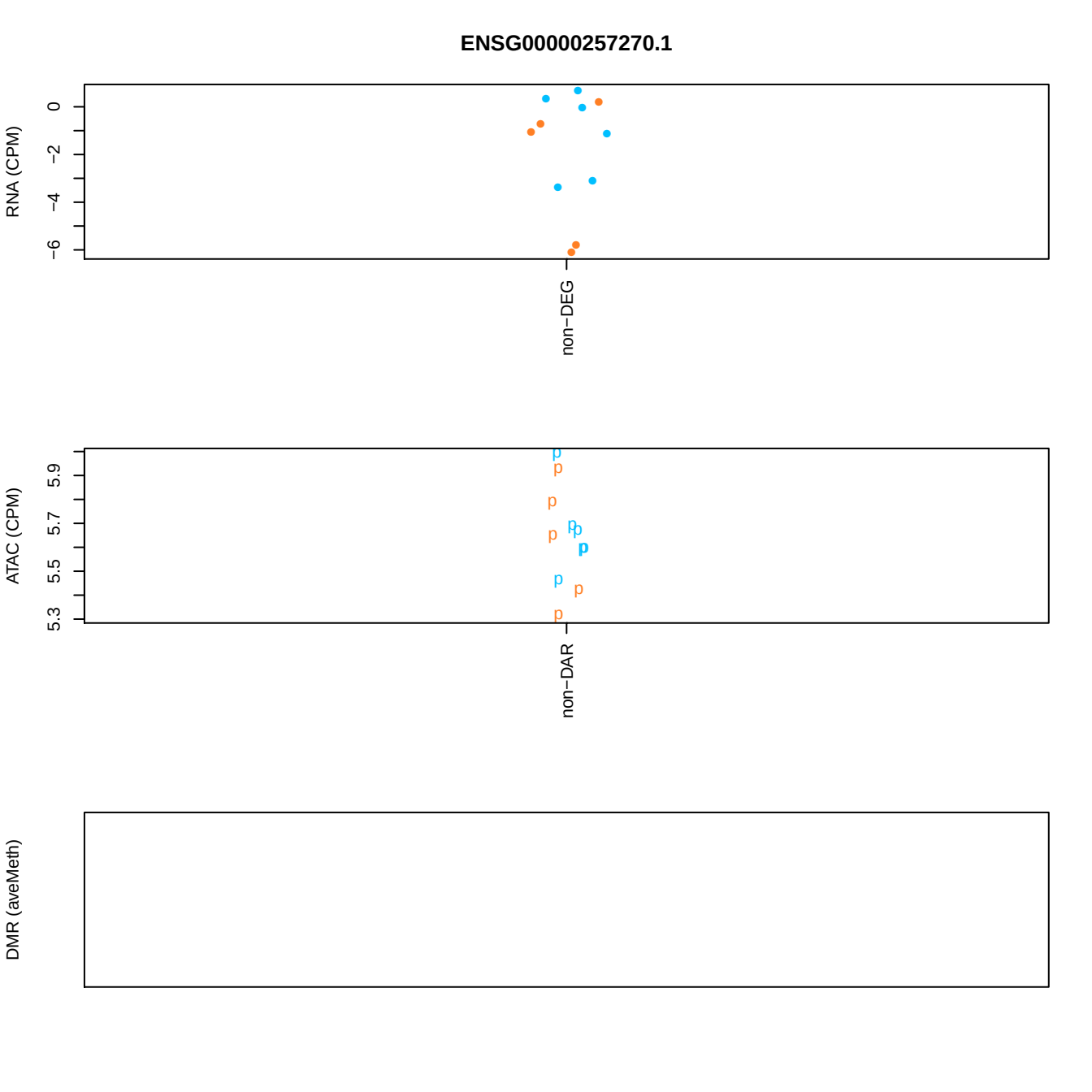
1.0
2.0
non−DEG
ATAC (CPM)
2.0
3.0
4.0
non−DAR
DAR
DMR (aveMeth)


ENSG00000125449.2
RNA (CPM)
1.0
2.0
3.0
non−DEG
ATAC (CPM)
0
1
2
3
non−DAR
non−DAR
DAR
non−DAR
non−DAR
DMR (aveMeth)


ENSG00000257270.1
RNA (CPM)
0
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−4
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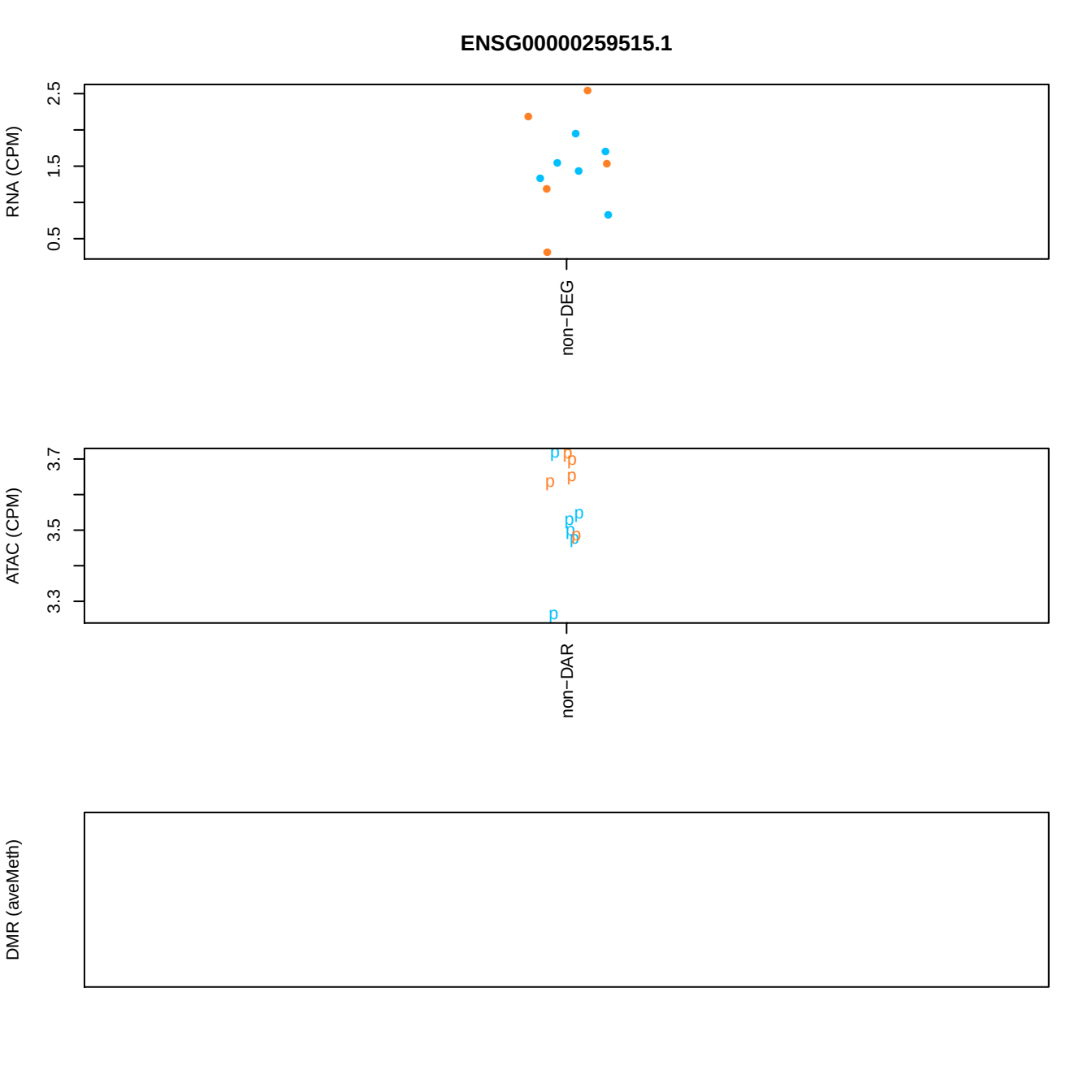
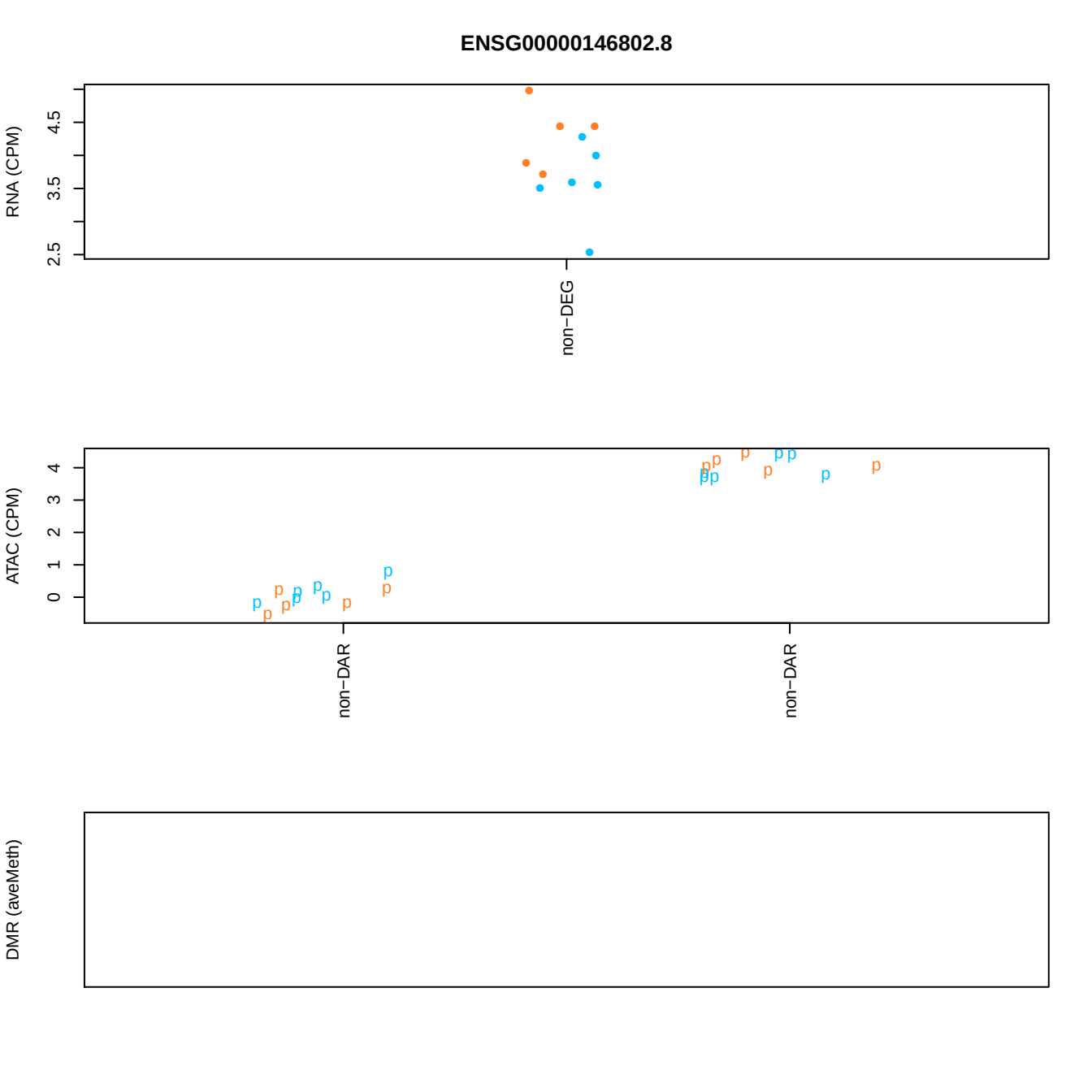
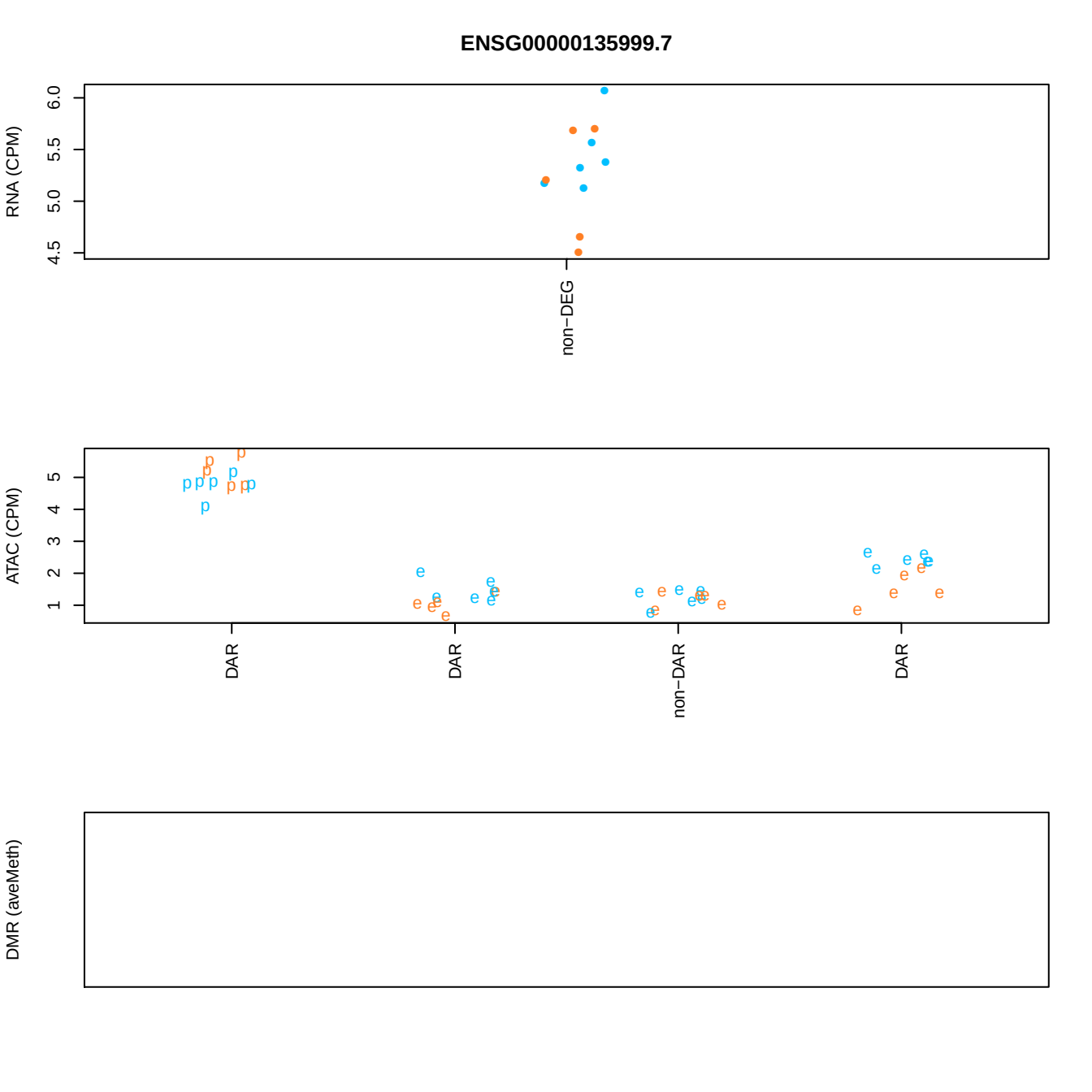
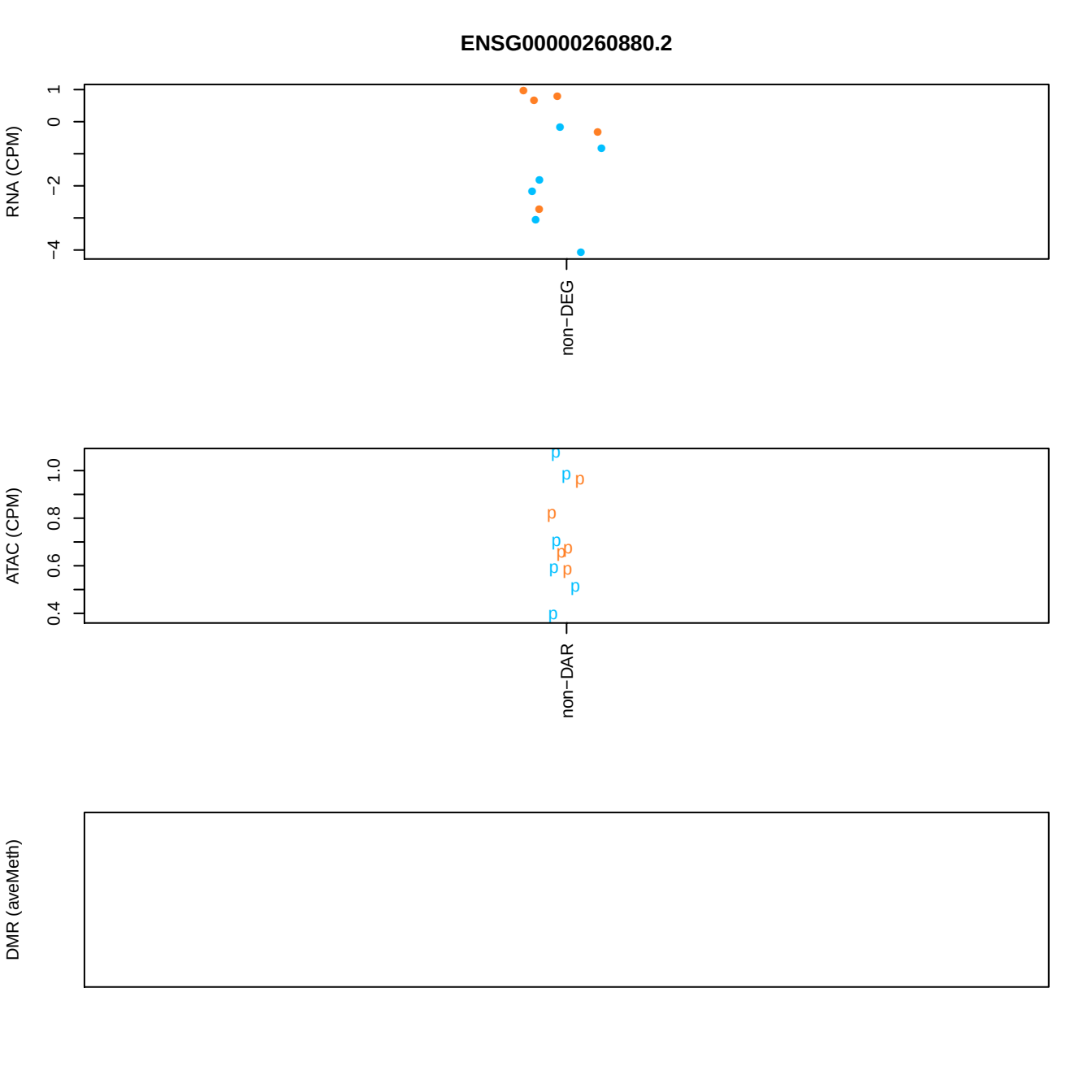
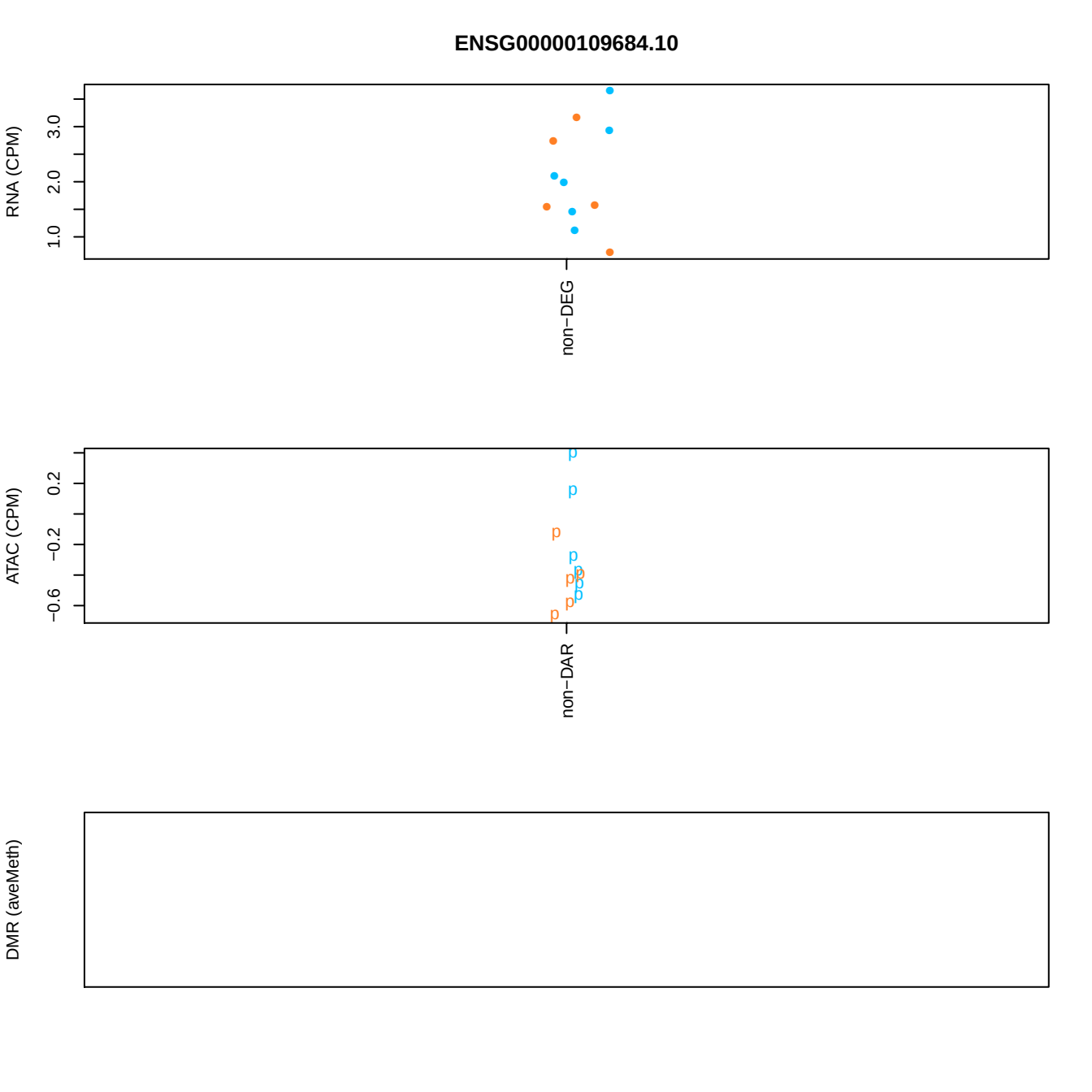
non−DEG
ATAC (CPM)
5.9
5.7
5.5
5.3
non−DAR
DMR (aveMeth)


ENSG00000259515.1
RNA (CPM)
0.5
1.5
2.5
non−DEG
ATAC (CPM)
3.3
3.5
3.7
non−DAR
DMR (aveMeth)


ENSG00000146802.8
RNA (CPM)
2.5
3.5
4.5
non−DEG
ATAC (CPM)
0
1
2
3
4
non−DAR
non−DAR
DMR (aveMeth)


ENSG00000135999.7
RNA (CPM)
4.5
5.0
5.5
6.0
non−DEG
ATAC (CPM)
1
2
3
4
5
DAR
DAR
non−DAR
DAR
DMR (aveMeth)


ENSG00000260880.2
RNA (CPM)
1
0
−2
−4
non−DEG
ATAC (CPM)
1.0
0.8
0.6
0.4
p
non−DAR
DMR (aveMeth)


ENSG00000109684.10
RNA (CPM)
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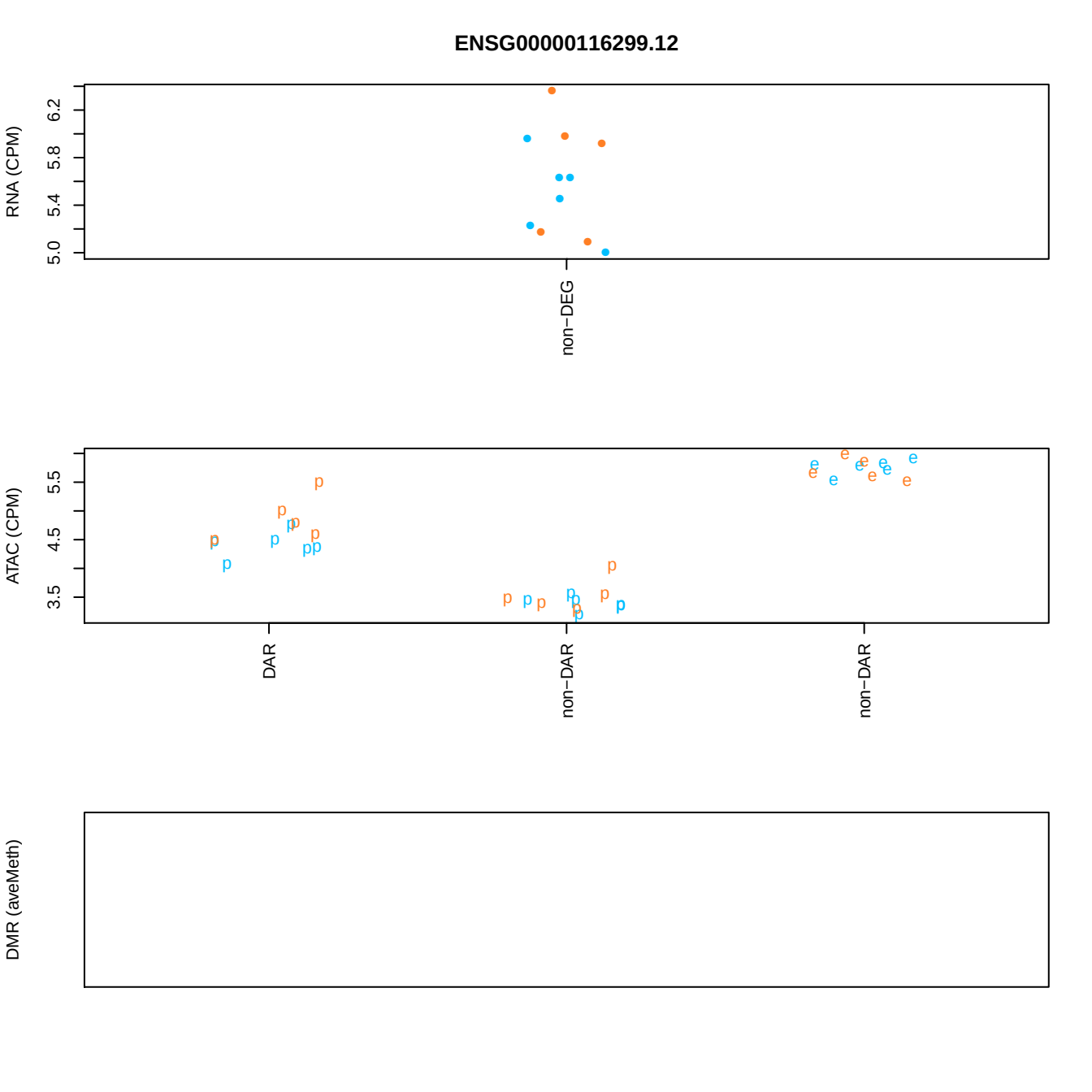
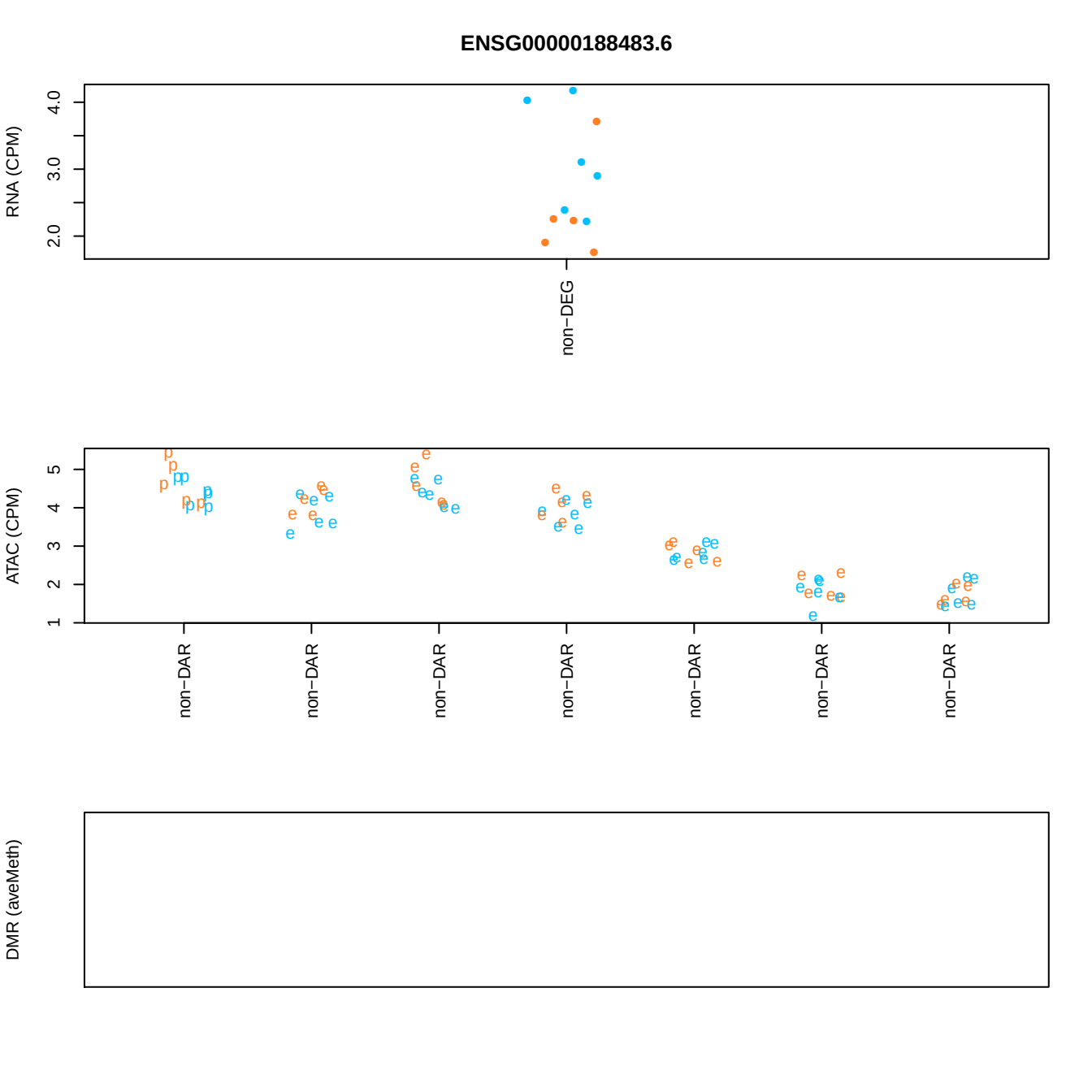
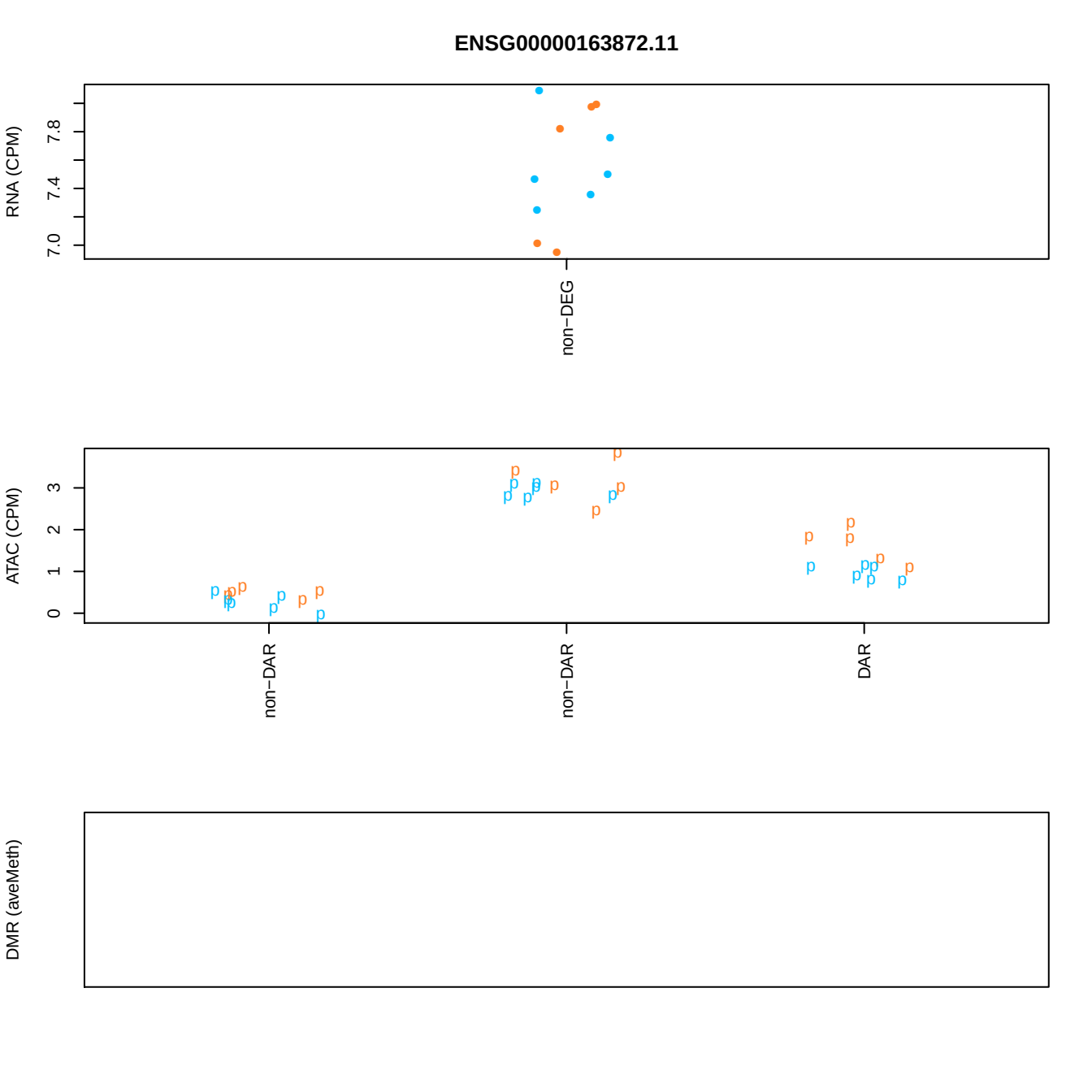
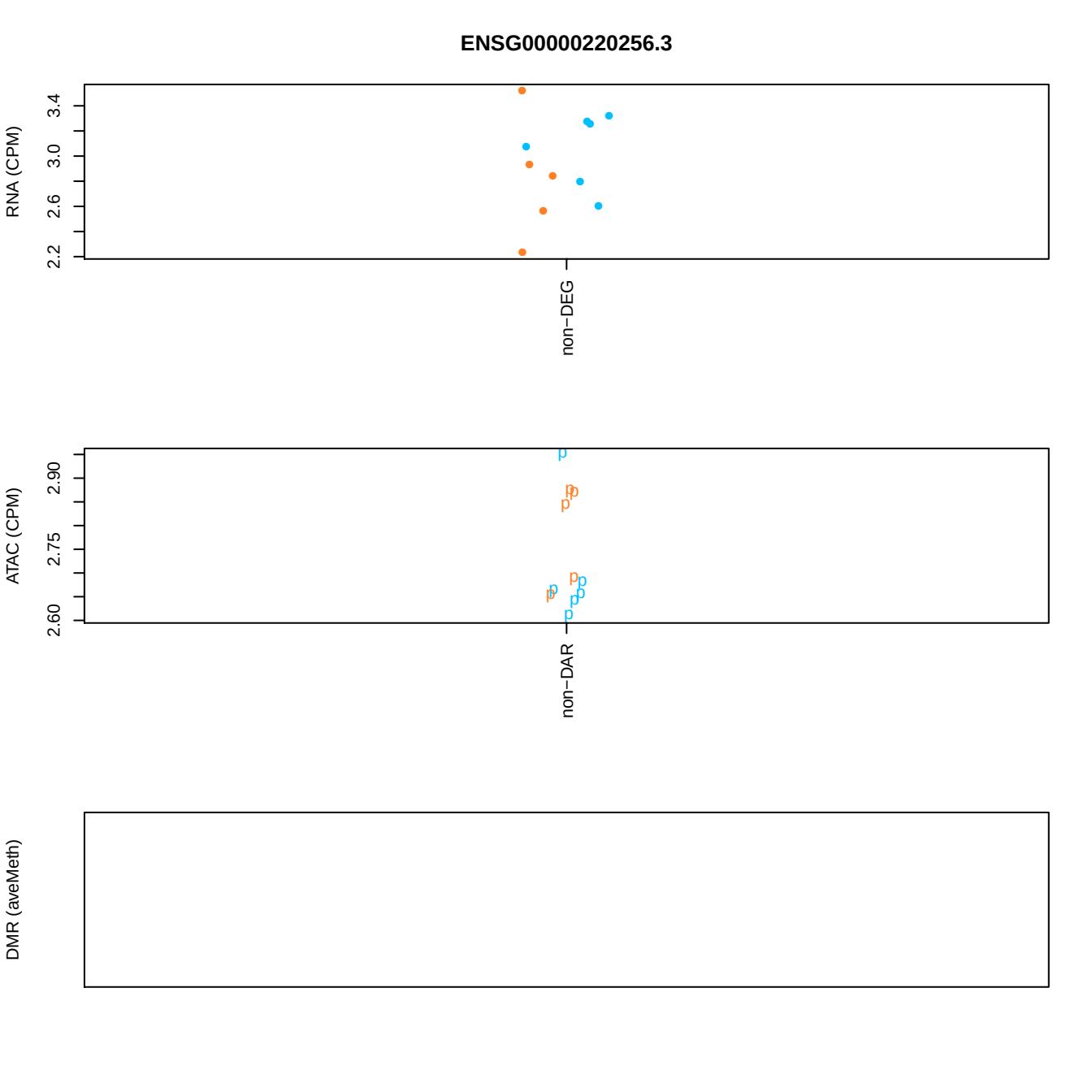
2.0
3.0
non−DEG
ATAC (CPM)
−0.6
−0.2
0.2
non−DAR
DMR (aveMeth)

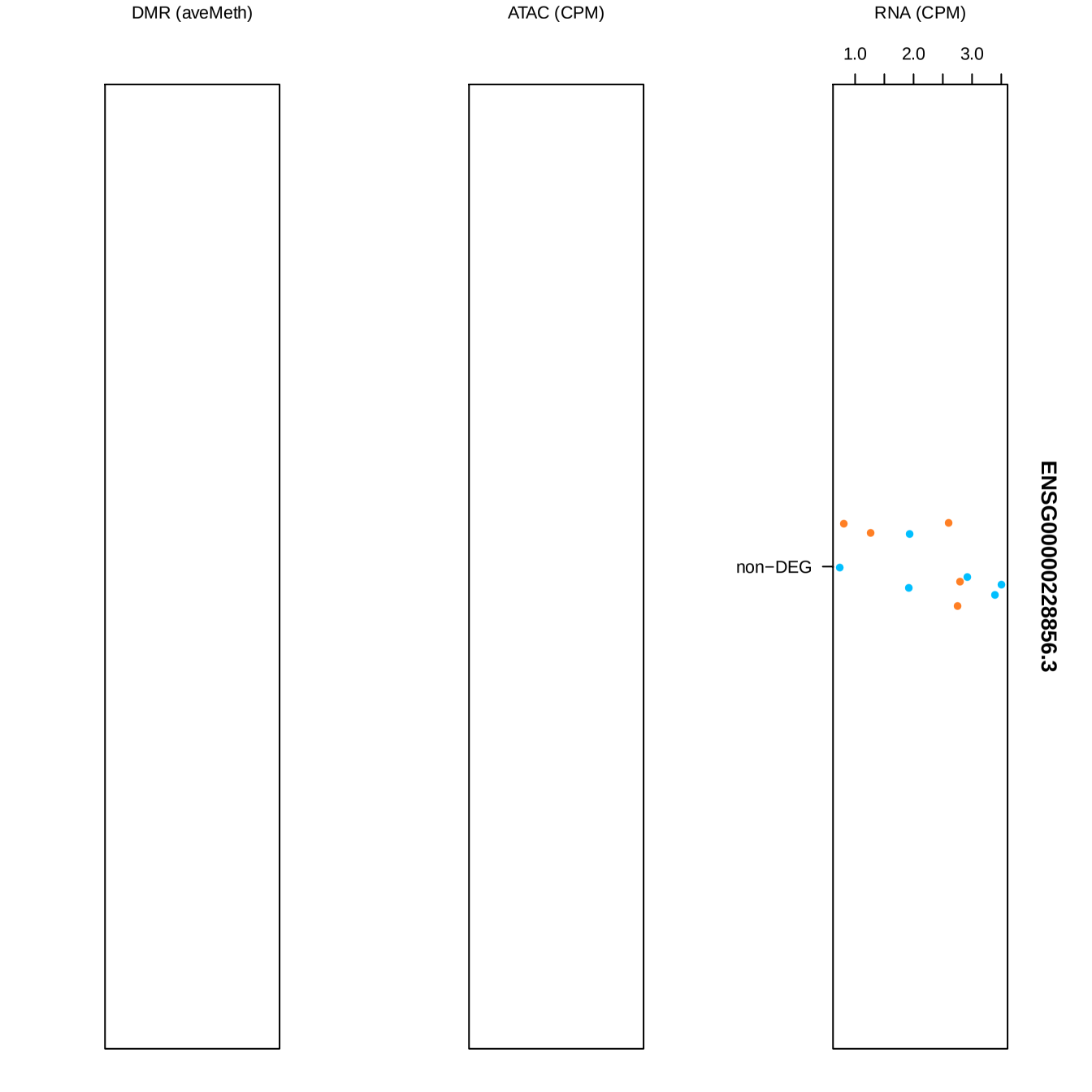

ENSG00000116299.12
RNA (CPM)
5.0
5.4
5.8
6.2
non−DEG
ATAC (CPM)
3.5
4.5
5.5
DAR
non−DAR
non−DAR
DMR (aveMeth)

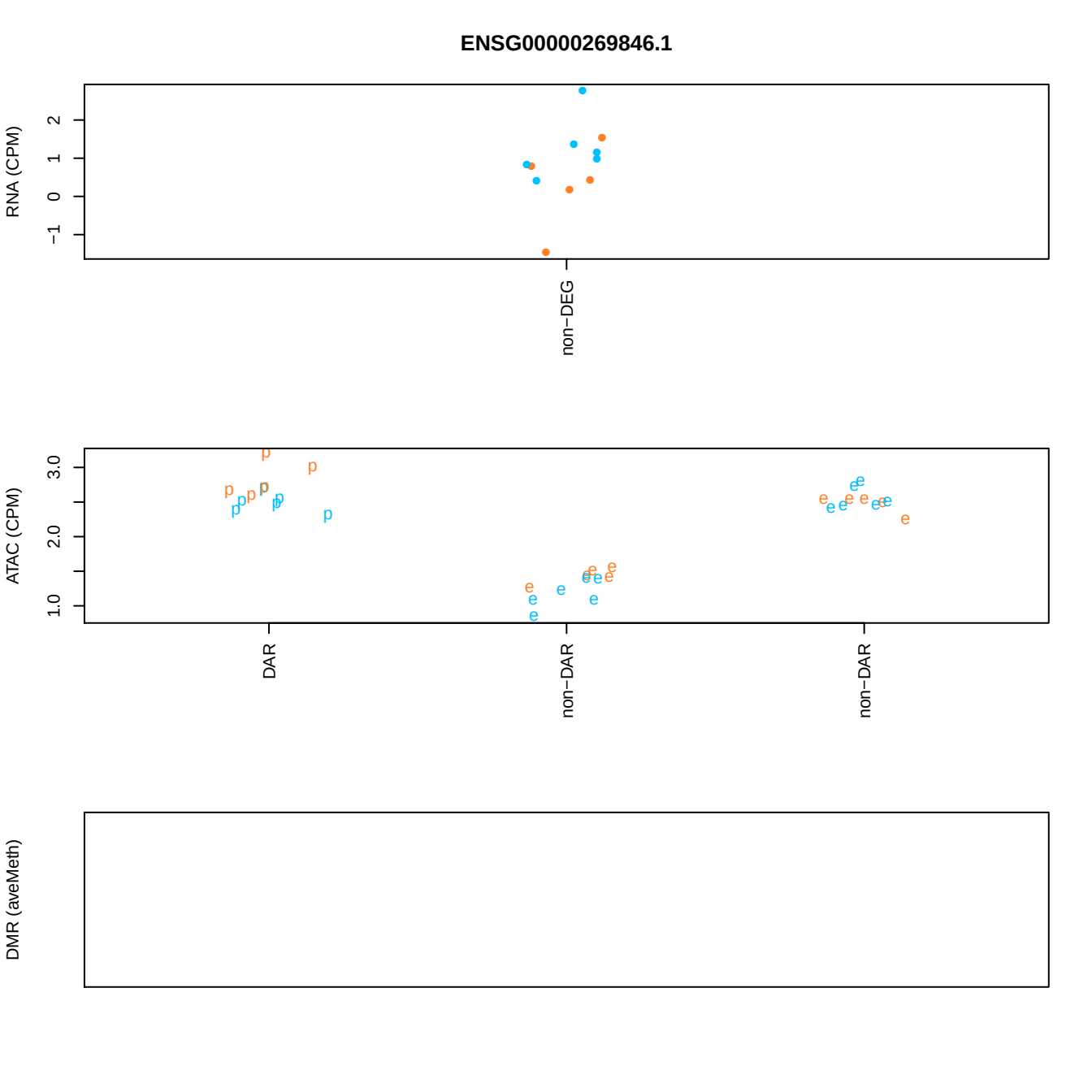

ENSG00000188483.6
RNA (CPM)
2.0
3.0
4.0
non−DEG
ATAC (CPM)
1
2
3
4
5
non−DAR
non−DAR
non−DAR
non−DAR
non−DAR
non−DAR
non−DAR
DMR (aveMeth)


ENSG00000163872.11
RNA (CPM)
7.0
7.4
7.8
non−DEG
ATAC (CPM)
0
1
2
3
non−DAR
non−DAR
DAR
DMR (aveMeth)

ENSG00000171643.9
RNA (CPM)
−4
−3
−2
−1
0
non−DEG
ATAC (CPM)
−1
0
1
2
DAR
non−DAR
DAR
DAR
non−DAR
DMR (aveMeth)


ENSG00000220256.3
RNA (CPM)
2.2
2.6
3.0
3.4
non−DEG
ATAC (CPM)
2.60
2.75
2.90
non−DAR
DMR (aveMeth)


DMR (aveMeth)
ATAC (CPM)
RNA (CPM)
1.0
2.0
3.0
non−DEG
ENSG00000228856.3


ENSG00000269846.1
RNA (CPM)
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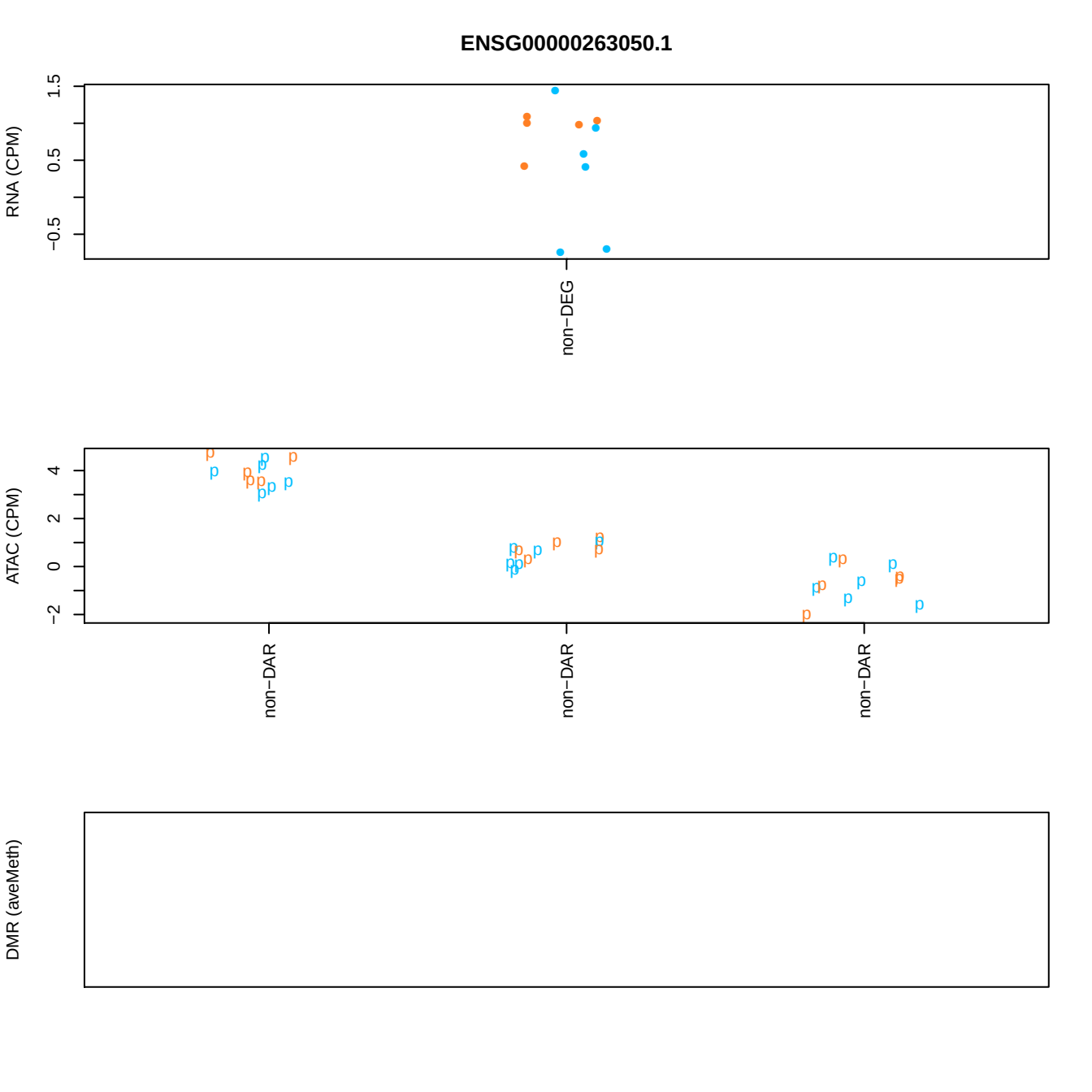
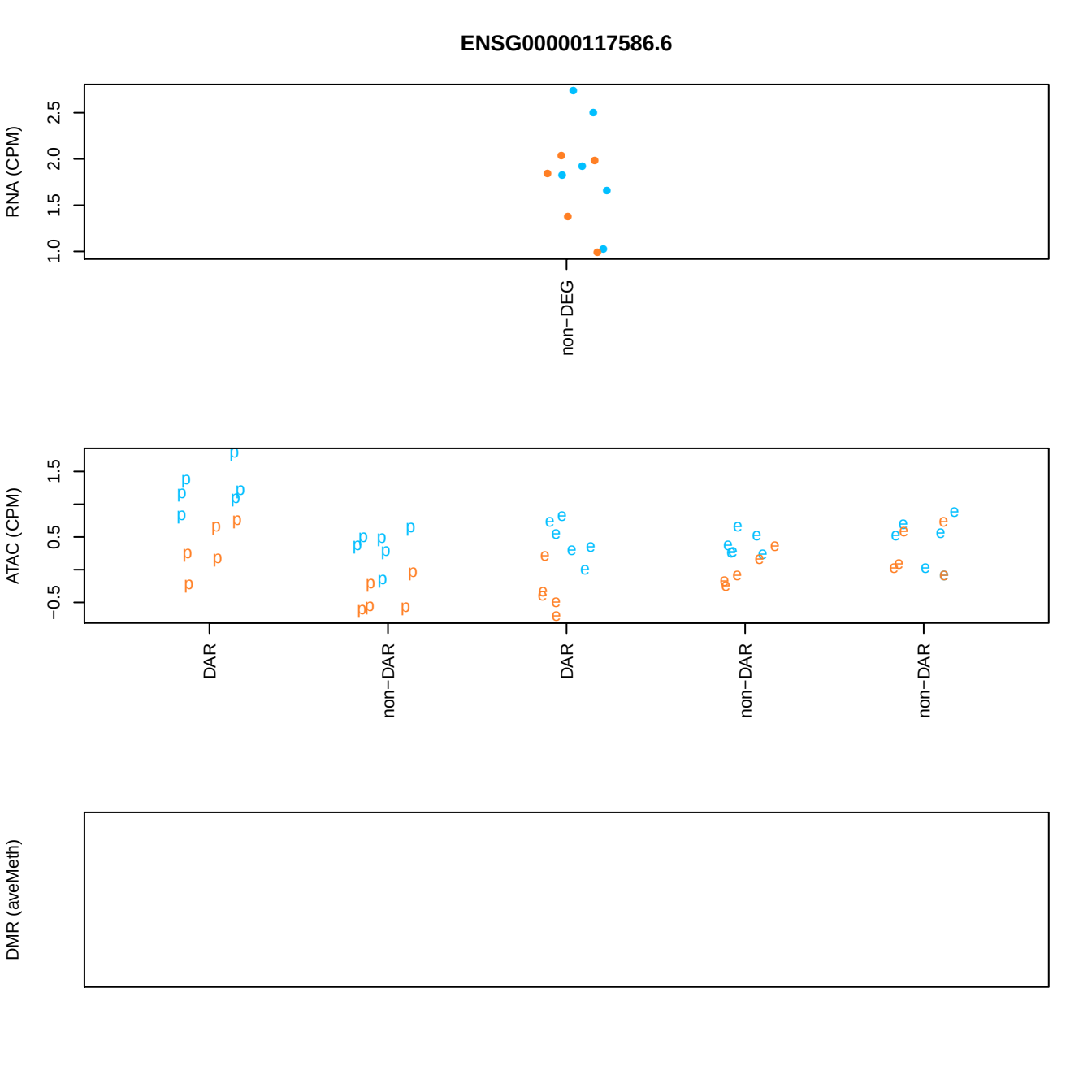
0
1
2
non−DEG
ATAC (CPM)
1.0
2.0
3.0
DAR
non−DAR
non−DAR
DMR (aveMeth)


ENSG00000263050.1
RNA (CPM)
1.5
0.5
−0.5
non−DEG
ATAC (CPM)
4
2
0
−2
non−DAR
non−DAR
non−DAR
DMR (aveMeth)


ENSG00000117586.6
RNA (CPM)
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1.5
2.0
2.5
non−DEG
ATAC (CPM)
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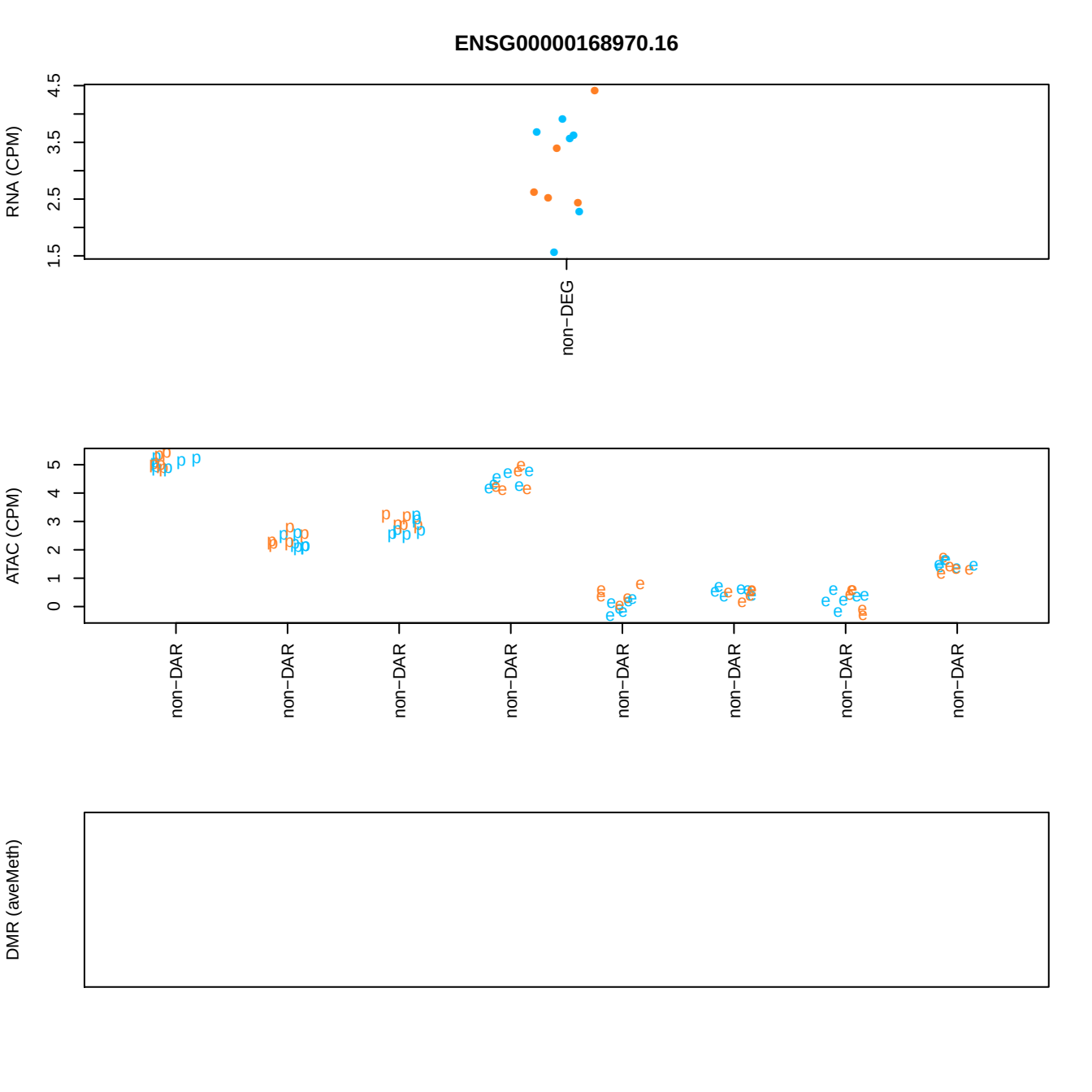
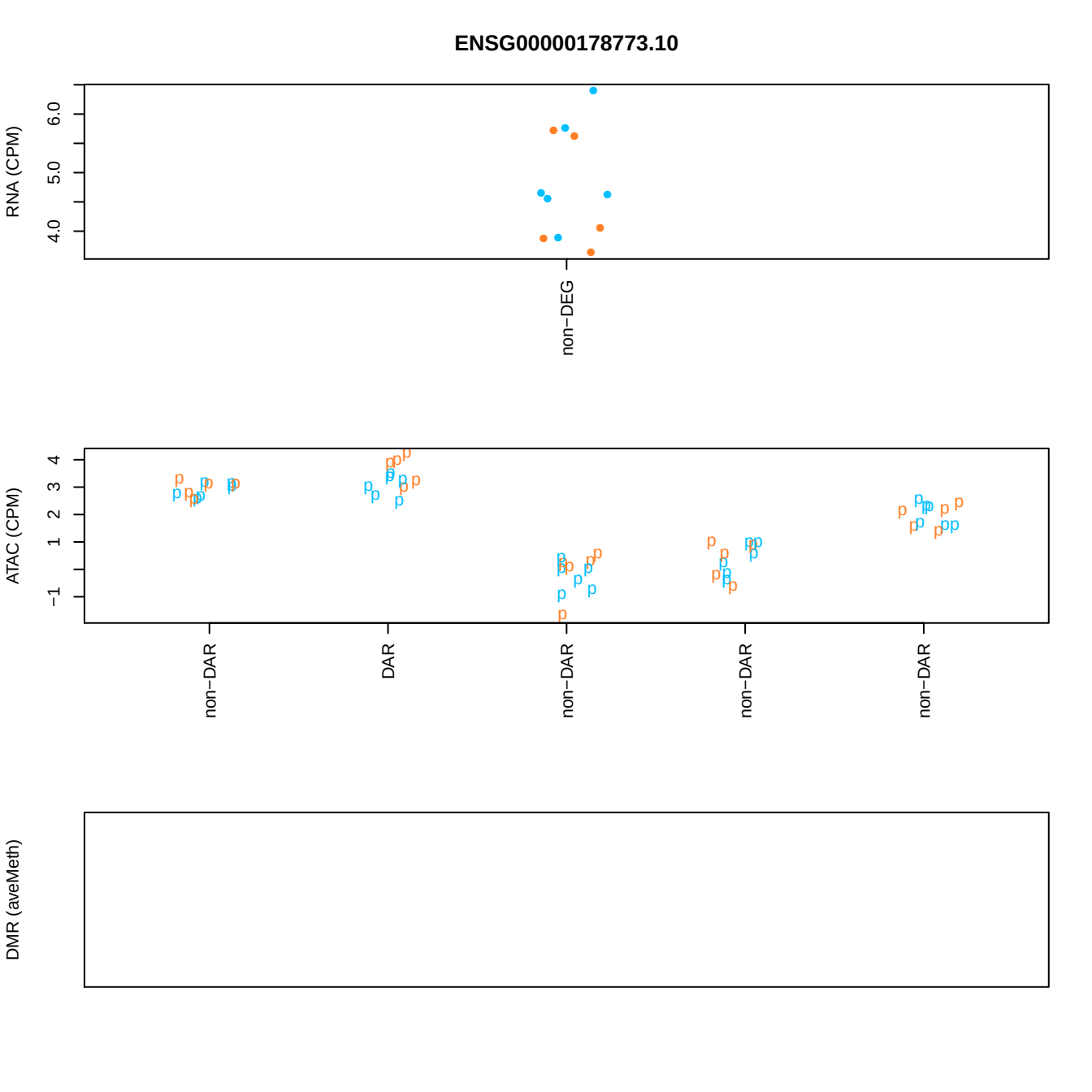
0.5
1.5
DAR
non−DAR
DAR
non−DAR
non−DAR
DMR (aveMeth)


ENSG00000168970.16
RNA (CPM)
1.5
2.5
3.5
4.5
non−DEG
ATAC (CPM)
0
1
2
3
4
5
non−DAR
non−DAR
non−DAR
non−DAR
non−DAR
non−DAR
non−DAR
non−DAR
DMR (aveMeth)


ENSG00000178773.10
RNA (CPM)
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5.0
6.0
non−DEG
ATAC (CPM)
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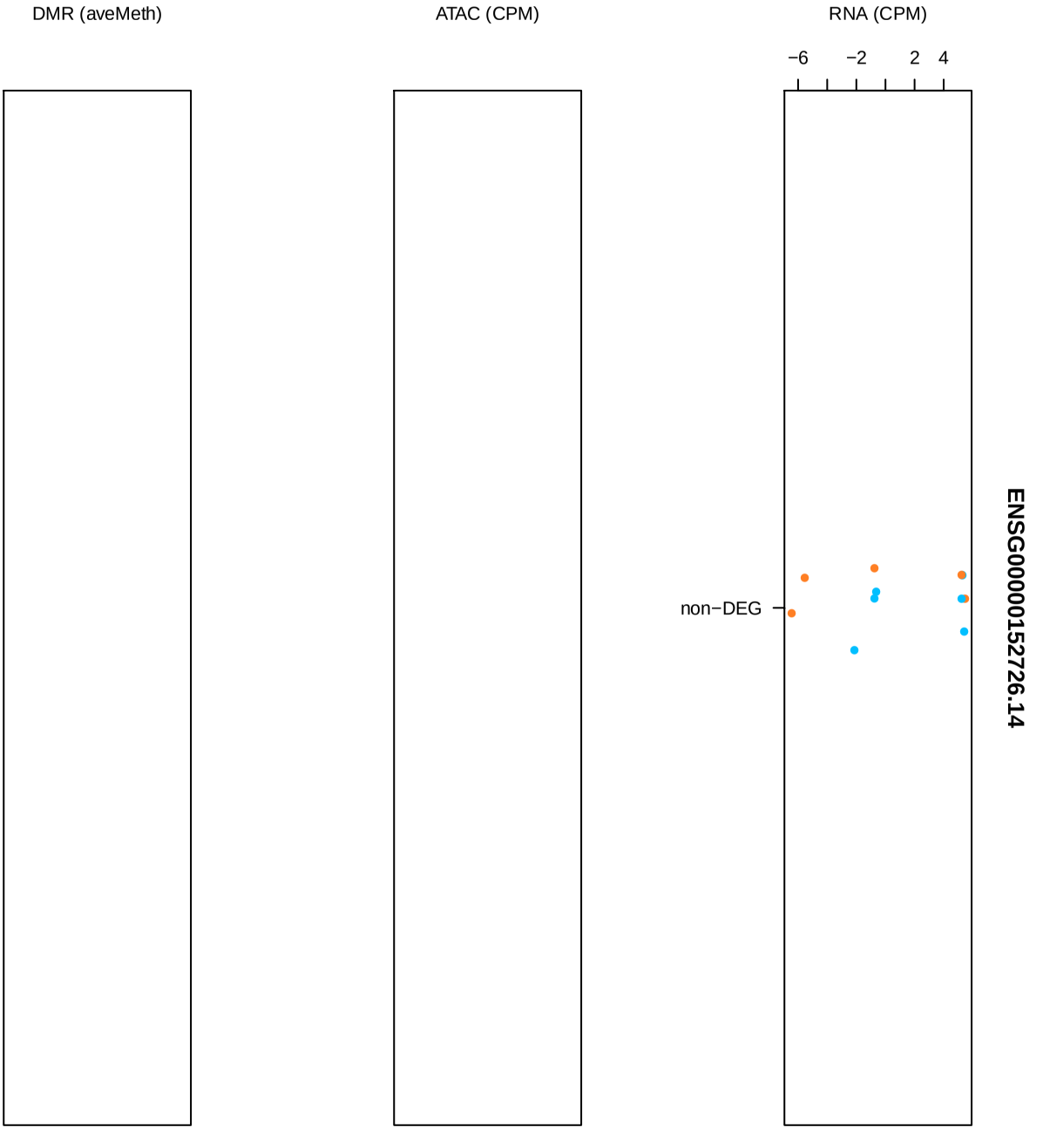
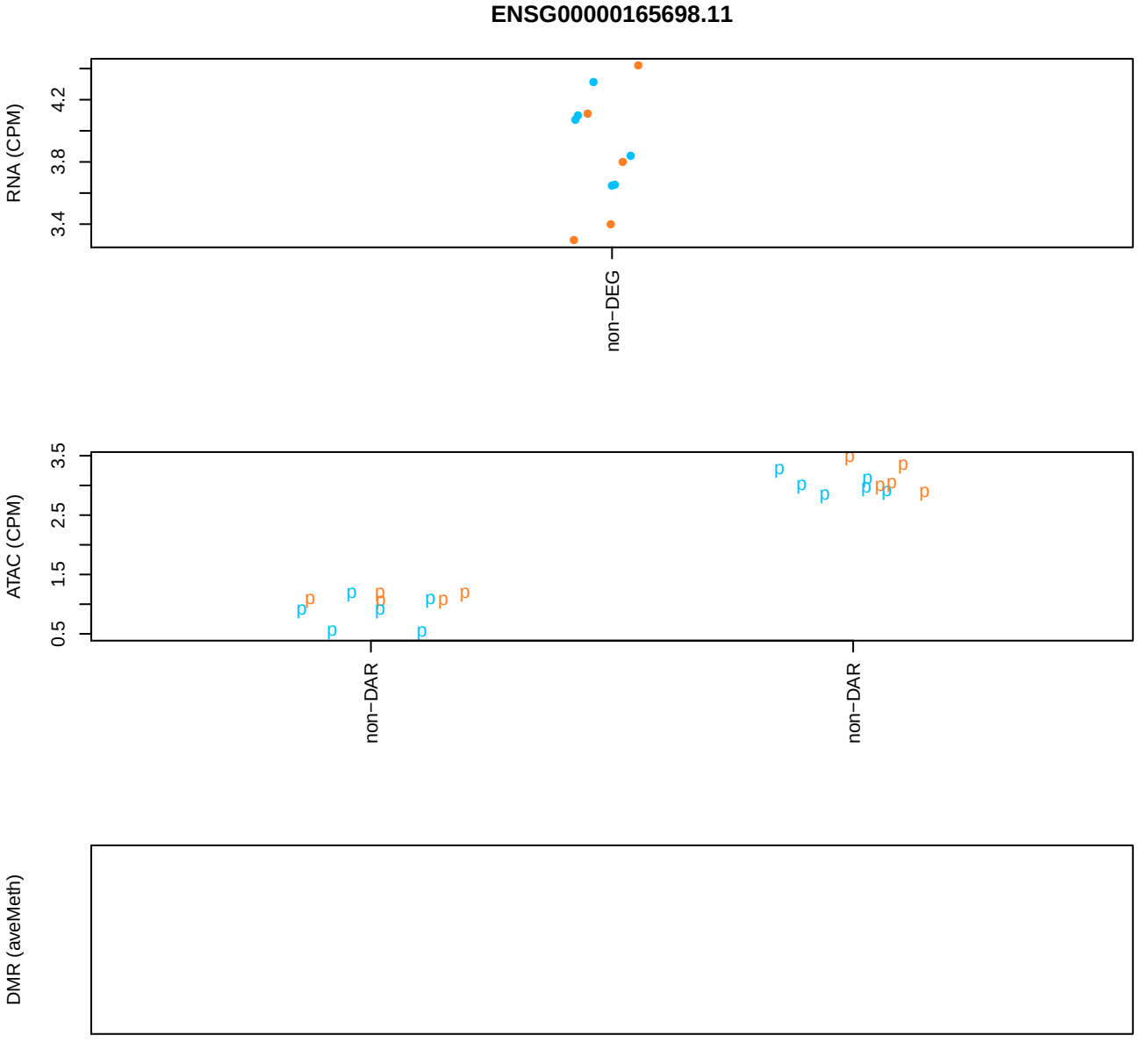
1
2
3
4
non−DAR
DAR
non−DAR
non−DAR
non−DAR
DMR (aveMeth)


DMR (aveMeth)
ATAC (CPM)
RNA (CPM)
−6
−2
2
4
non−DEG
ENSG00000152726.14


ENSG00000165698.11
RNA (CPM)
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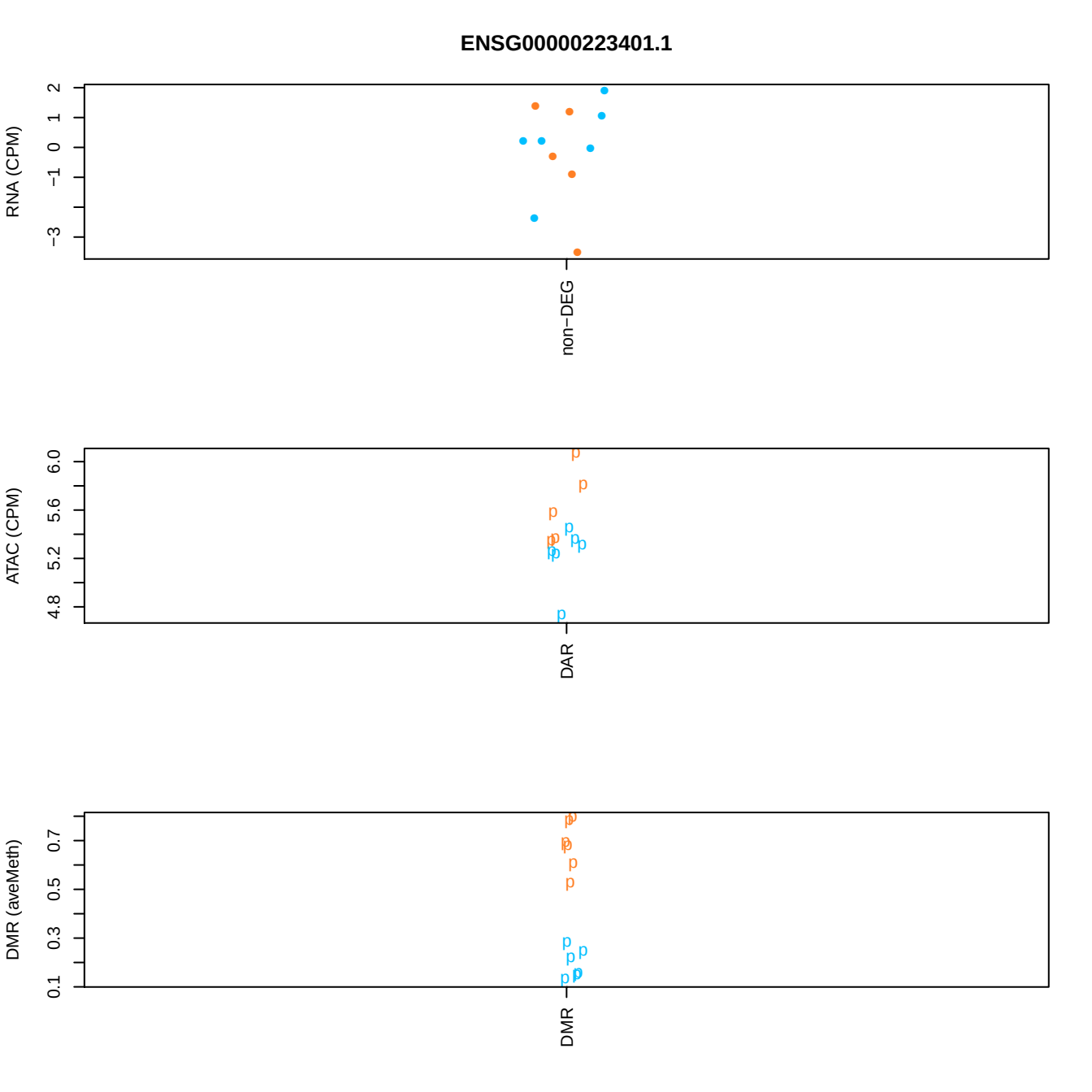
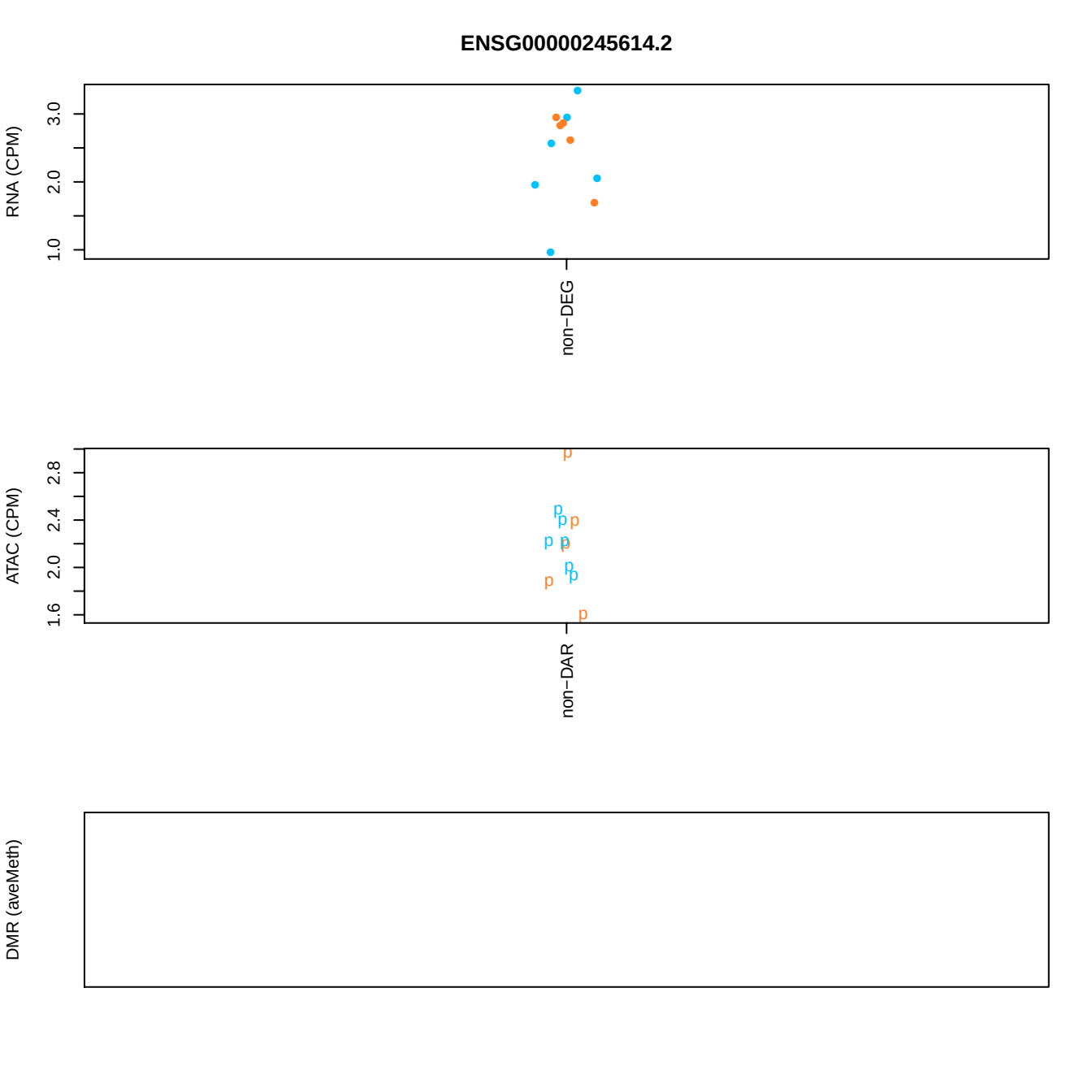
3.8
4.2
non−DEG
ATAC (CPM)
0.5
1.5
2.5
3.5
non−DAR
non−DAR
DMR (aveMeth)


ENSG00000223401.1
RNA (CPM)
2
1
0
−1
−3
non−DEG
ATAC (CPM)
6.0
5.6
5.2
4.8
DAR
DMR (aveMeth)
0.7
0.5
0.3
0.1
DMR


ENSG00000245614.2
RNA (CPM)
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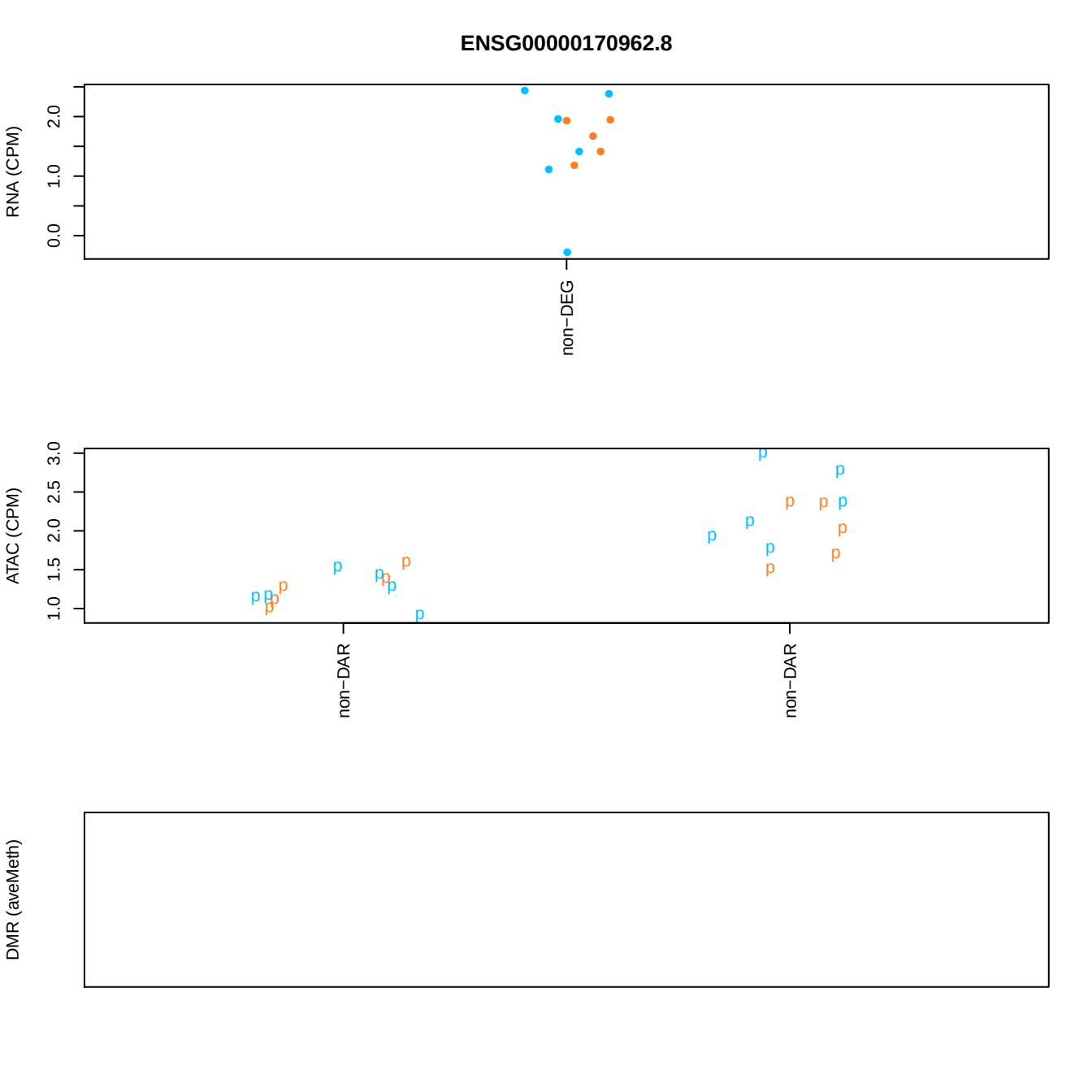
1.0
non−DEG
ATAC (CPM)
2.8
2.4
2.0
1.6
non−DAR
DMR (aveMeth)


ENSG00000170962.8
RNA (CPM)
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1.0
2.0
non−DEG
ATAC (CPM)
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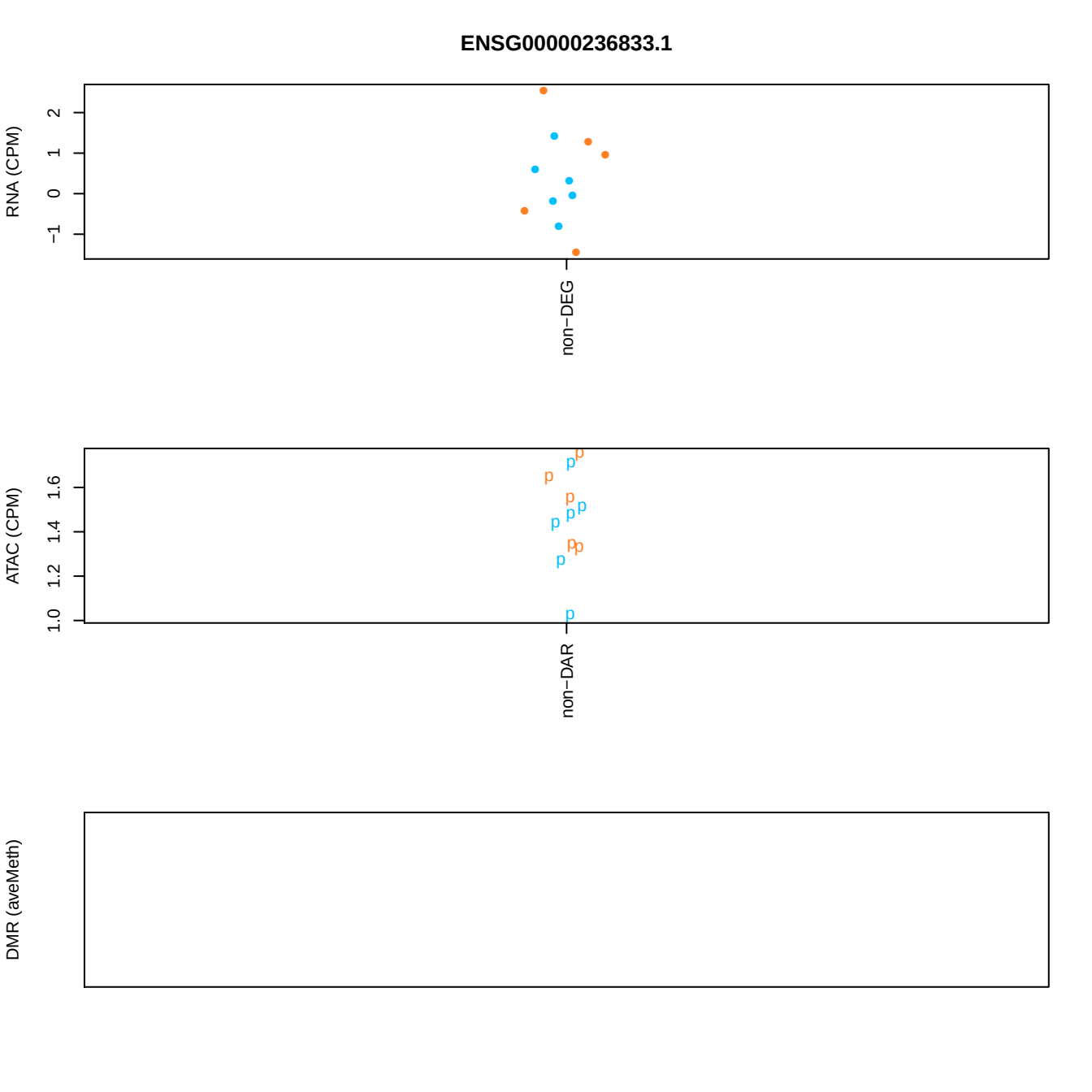
1.5
2.0
2.5
3.0
non−DAR
non−DAR
DMR (aveMeth)


ENSG00000236833.1
RNA (CPM)
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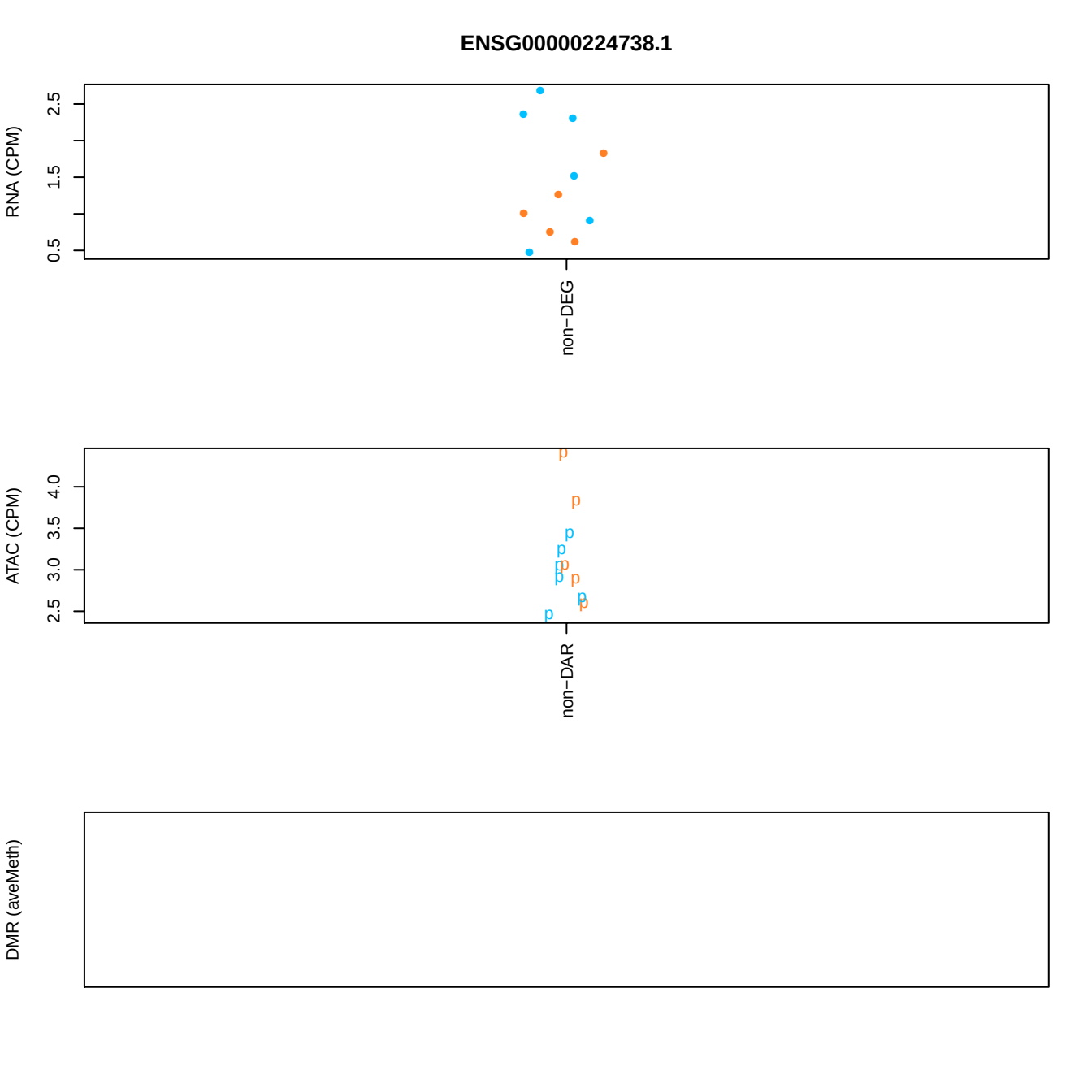
0
1
2
non−DEG
ATAC (CPM)
1.0
1.2
1.4
1.6
non−DAR
DMR (aveMeth)


ENSG00000224738.1
RNA (CPM)
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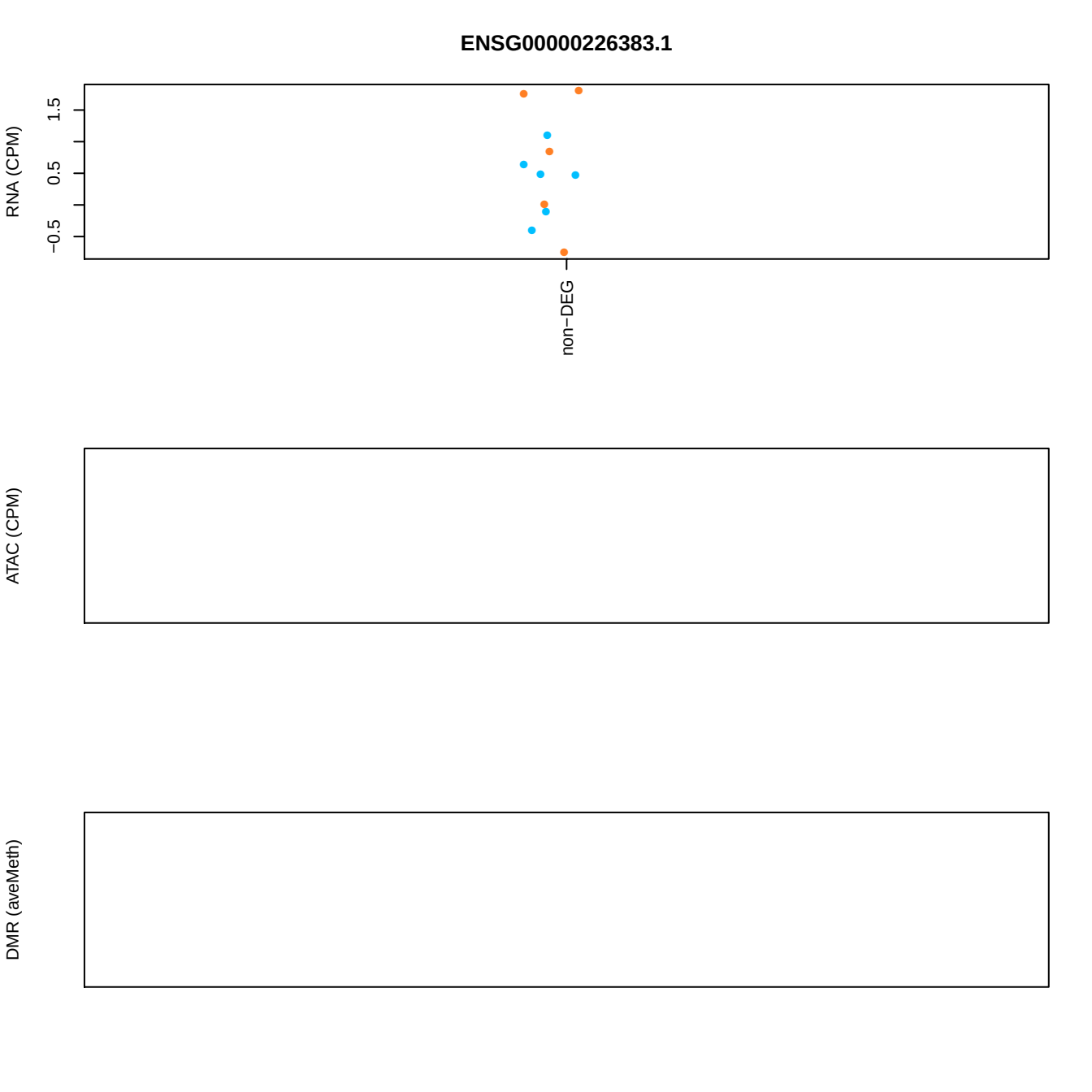
non−DEG
ATAC (CPM)
2.5
3.0
3.5
4.0
non−DAR
DMR (aveMeth)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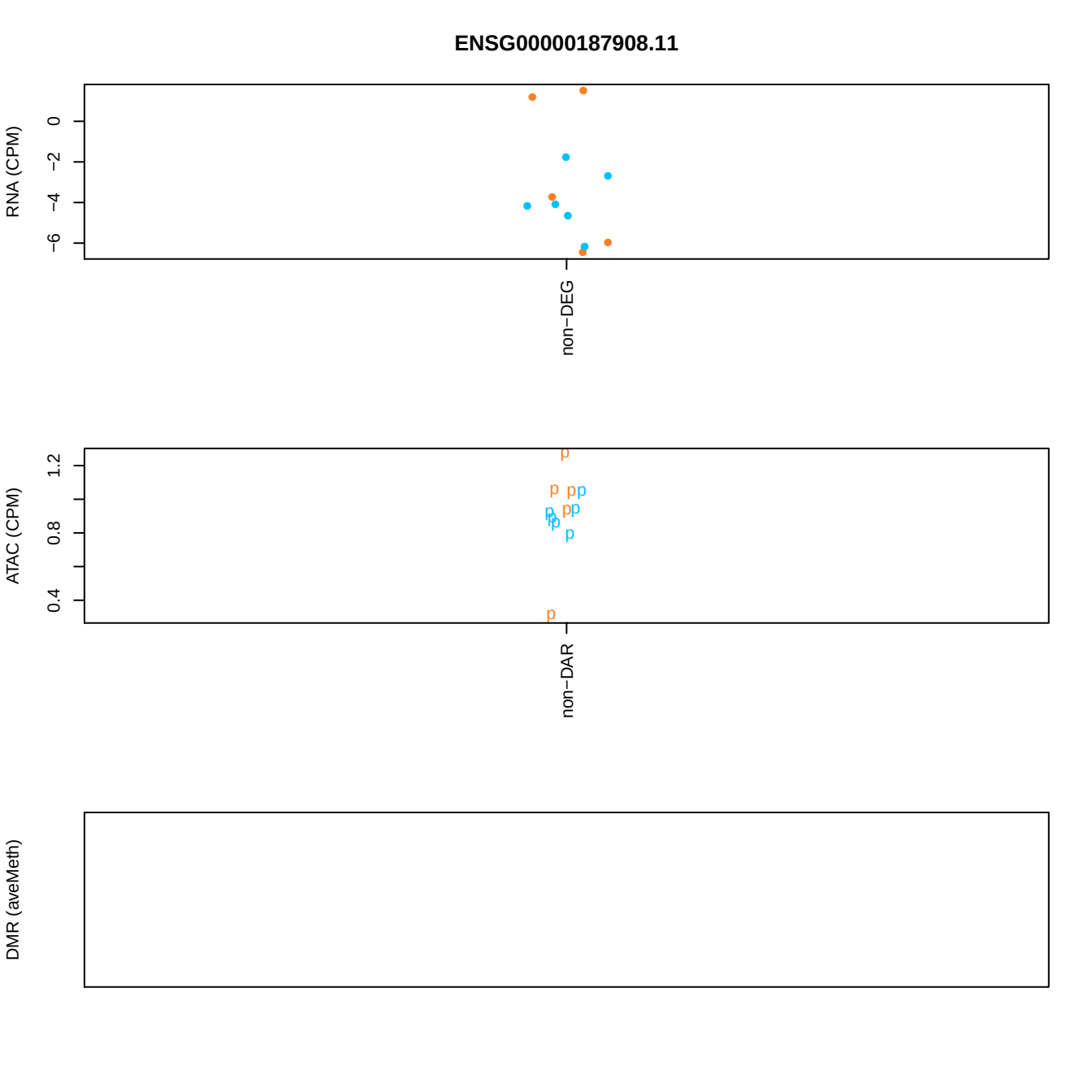
−0.5
non−DEG
ATAC (CPM)
DMR (aveMeth)


ENSG00000187908.11
RNA (CPM)
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−4
−6
non−DEG
ATAC (CPM)
1.2
0.8
0.4
non−DAR
DMR (aveMeth)