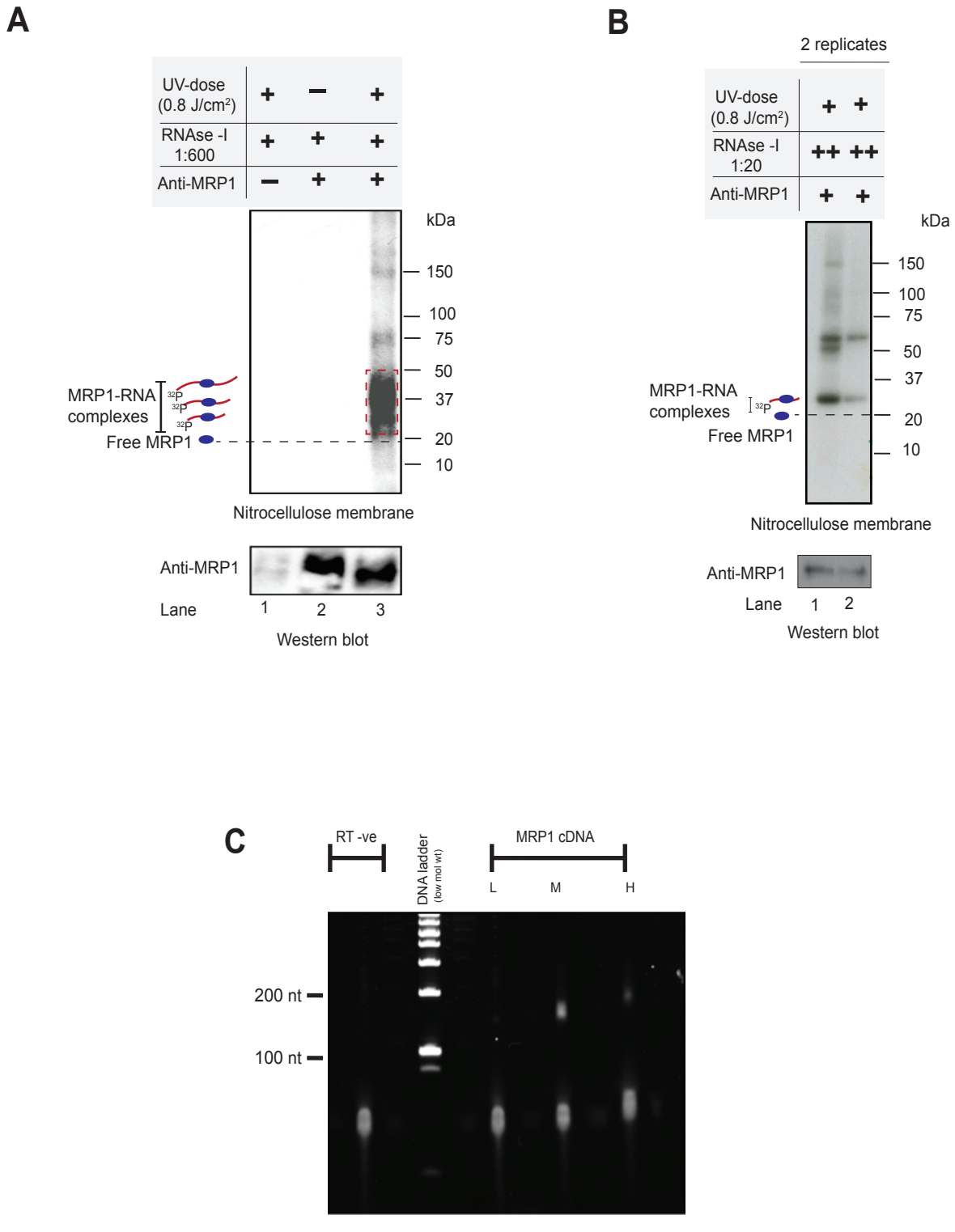
A
UV-dose (0.8 J/cm²)
RNAse -I 1:600
Anti-MRP1
kDa
150
100
75
50
37
20
10
MRP1-RNA complexes
Free MRP1
Nitrocellulose membrane
Anti-MRP1
Lane 1 2 3
Western blot
B
2 replicates
UV-dose (0.8 J/cm²)
RNAse -I 1:20
Anti-MRP1
kDa
150
100
75
50
37
20
10
MRP1-RNA complexes
Free MRP1
Nitrocellulose membrane
Anti-MRP1
Lane 1 2
Western blot
C
RT -ve
DNA ladder (low mol wt)
MRP1 cDNA
L M H
200 nt
100 nt

Figure S1.

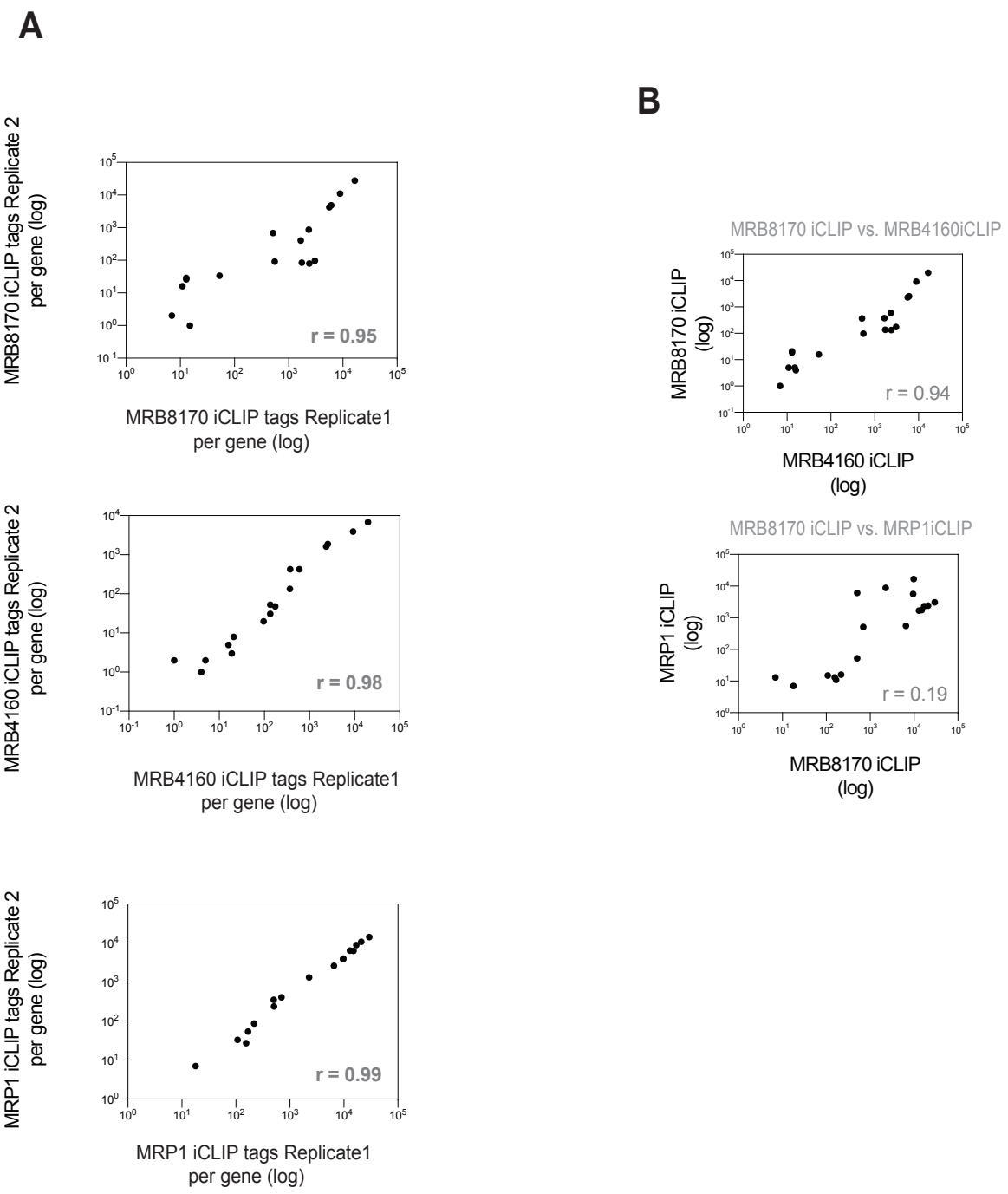
A
B
MRB8170 iCLIP tags Replicate 2 per gene (log)
MRB8170 iCLIP tags Replicate1 per gene (log)
r = 0.95
MRB4160 iCLIP tags Replicate 2 per gene (log)
MRB4160 iCLIP tags Replicate1 per gene (log)
r = 0.98
MRP1 iCLIP tags Replicate 2 per gene (log)
MRP1 iCLIP tags Replicate1 per gene (log)
r = 0.99
MRB8170 iCLIP vs. MRB4160iCLIP
MRB8170 iCLIP (log)
MRB4160 iCLIP (log)
r = 0.94
MRB8170 iCLIP vs. MRP1iCLIP
MRP1 iCLIP (log)
MRB8170 iCLIP (log)
r = 0.19

Figure S2.

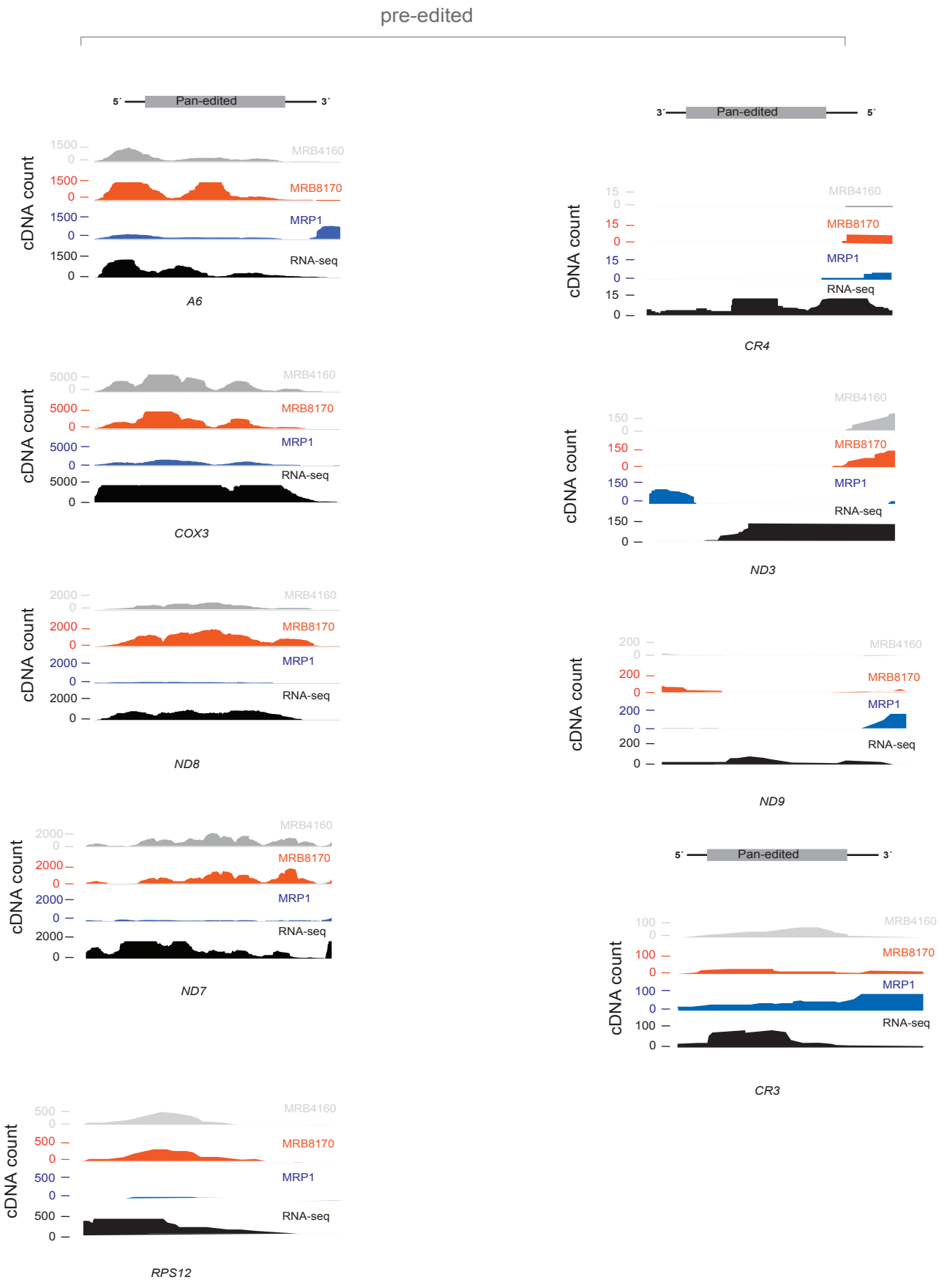
pre-edited
5´
Pan-edited
3´
cDNA count
MRB4160
MRB8170
MRP1
RNA-seq
A6
COX3
ND8
ND7
RPS12
3´
Pan-edited
5´
CR4
ND3
ND9
5´
Pan-edited
3´
CR3

Figure S3.

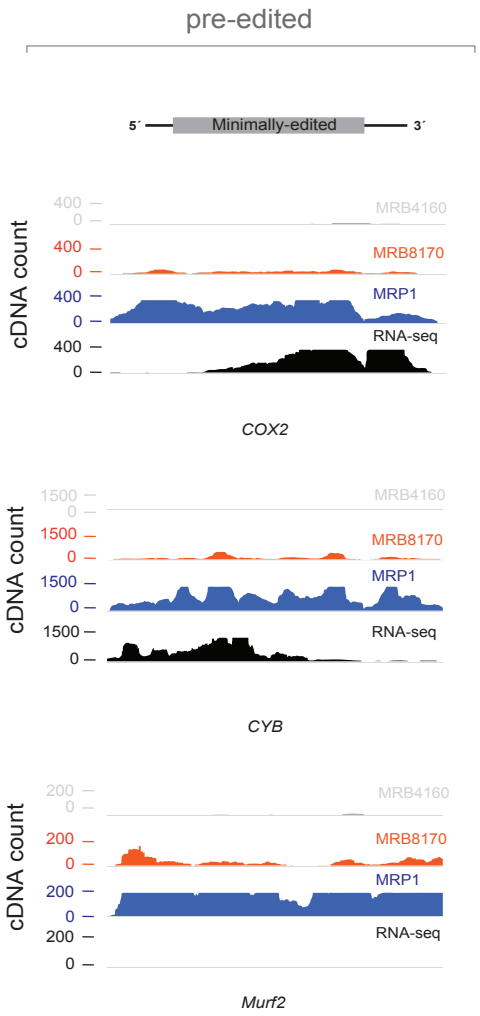
pre-edited
5´
Minimally-edited
3´
cDNA count
400
0
MRB4160
MRB8170
MRP1
RNA-seq
COX2
1500
CYB
200
Murf2

Figure S4.

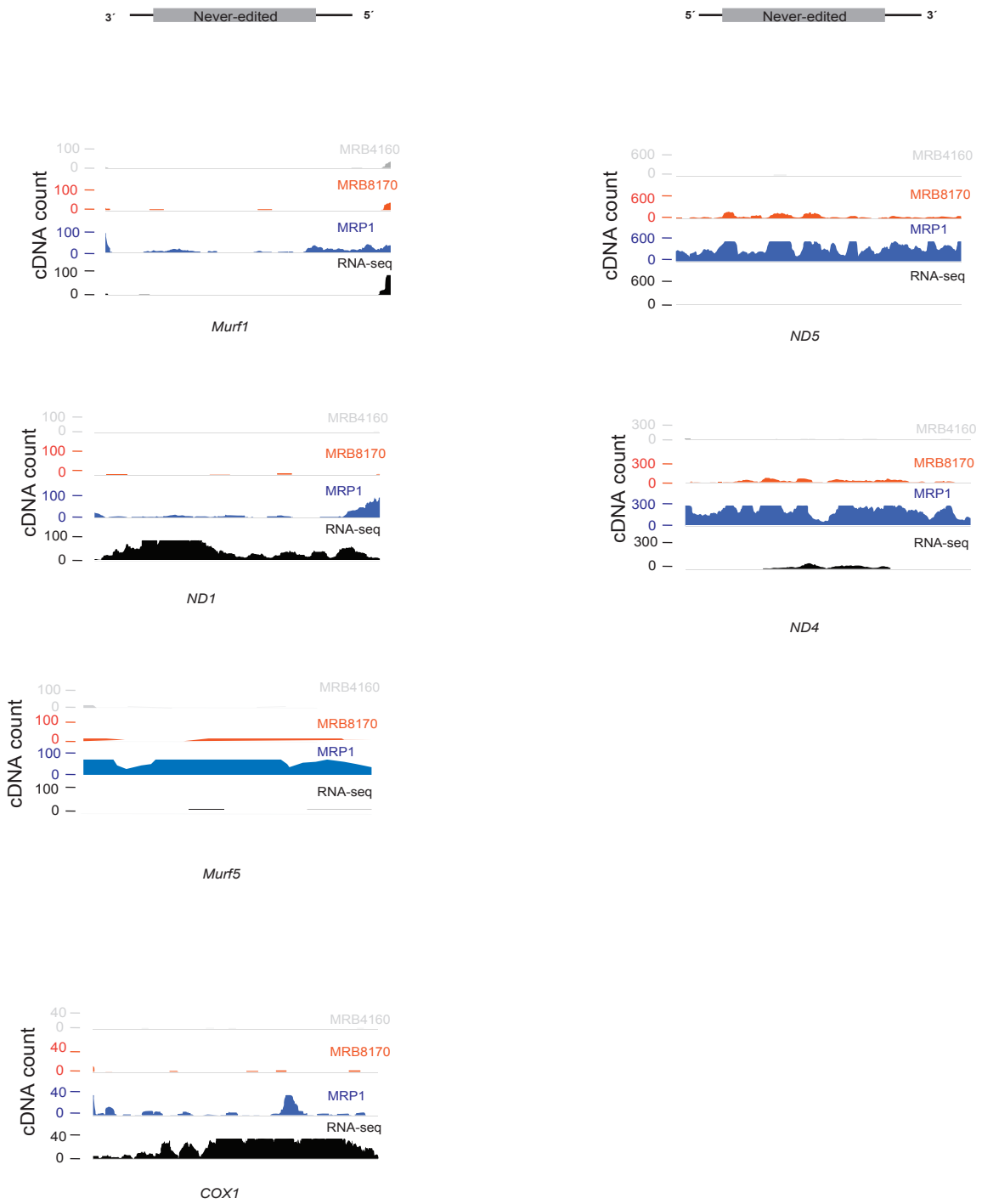
3´
Never-edited
5´
5´
Never-edited
3´
cDNA count
MRB4160
MRB8170
MRP1
RNA-seq
Murf1
ND5
ND1
ND4
Murf5
COX1

Figure S5.

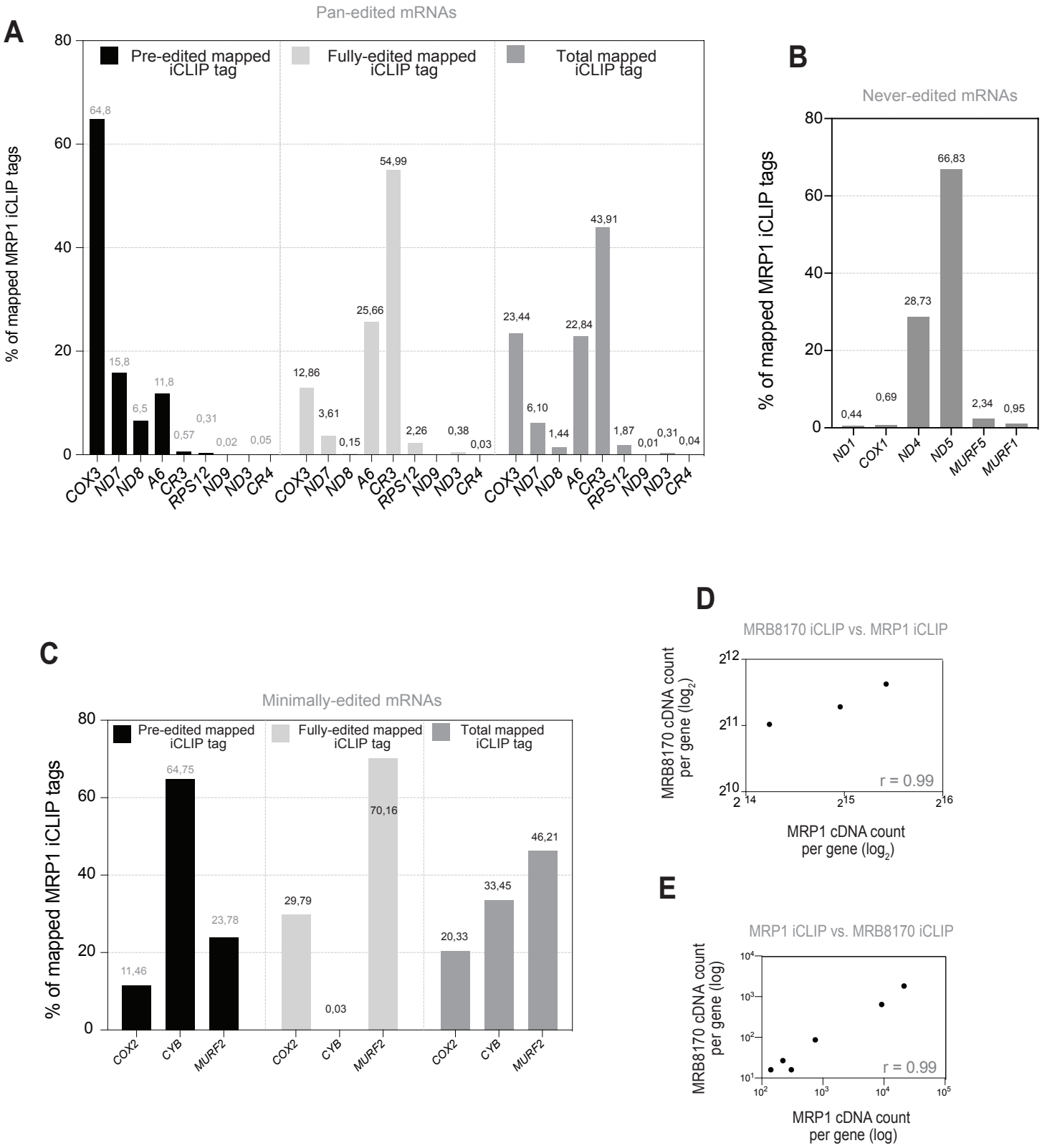
A
Pan-edited mRNAs
% of mapped MRP1 iCLIP tags
Pre-edited mapped iCLIP tag
Fully-edited mapped iCLIP tag
Total mapped iCLIP tag
64,8
15,8
6,5
11,8
0,57
0,31
0,02
0,05
12,86
3,61
0,15
25,66
54,99
2,26
0,38
0,03
23,44
6,10
1,44
22,84
43,91
1,87
0,01
0,31
0,04
COX3 ND7 ND8 A6 CR3 RPS12 ND9 ND3 CR4
B
Never-edited mRNAs
% of mapped MRP1 iCLIP tags
0,44
0,69
28,73
66,83
2,34
0,95
ND1 COX1 ND4 ND5 MURF5 MURF1
C
Minimally-edited mRNAs
% of mapped MRP1 iCLIP tags
Pre-edited mapped iCLIP tag
Fully-edited mapped iCLIP tag
Total mapped iCLIP tag
11,46
64,75
23,78
29,79
0,03
70,16
20,33
33,45
46,21
COX2 CYB MURF2
D
MRB8170 iCLIP vs. MRP1 iCLIP
MRB8170 cDNA count per gene (log2)
MRP1 cDNA count per gene (log2)
r = 0.99
E
MRP1 iCLIP vs. MRB8170 iCLIP
MRB8170 cDNA count per gene (log)
MRP1 cDNA count per gene (log)
r = 0.99

Figure S6.