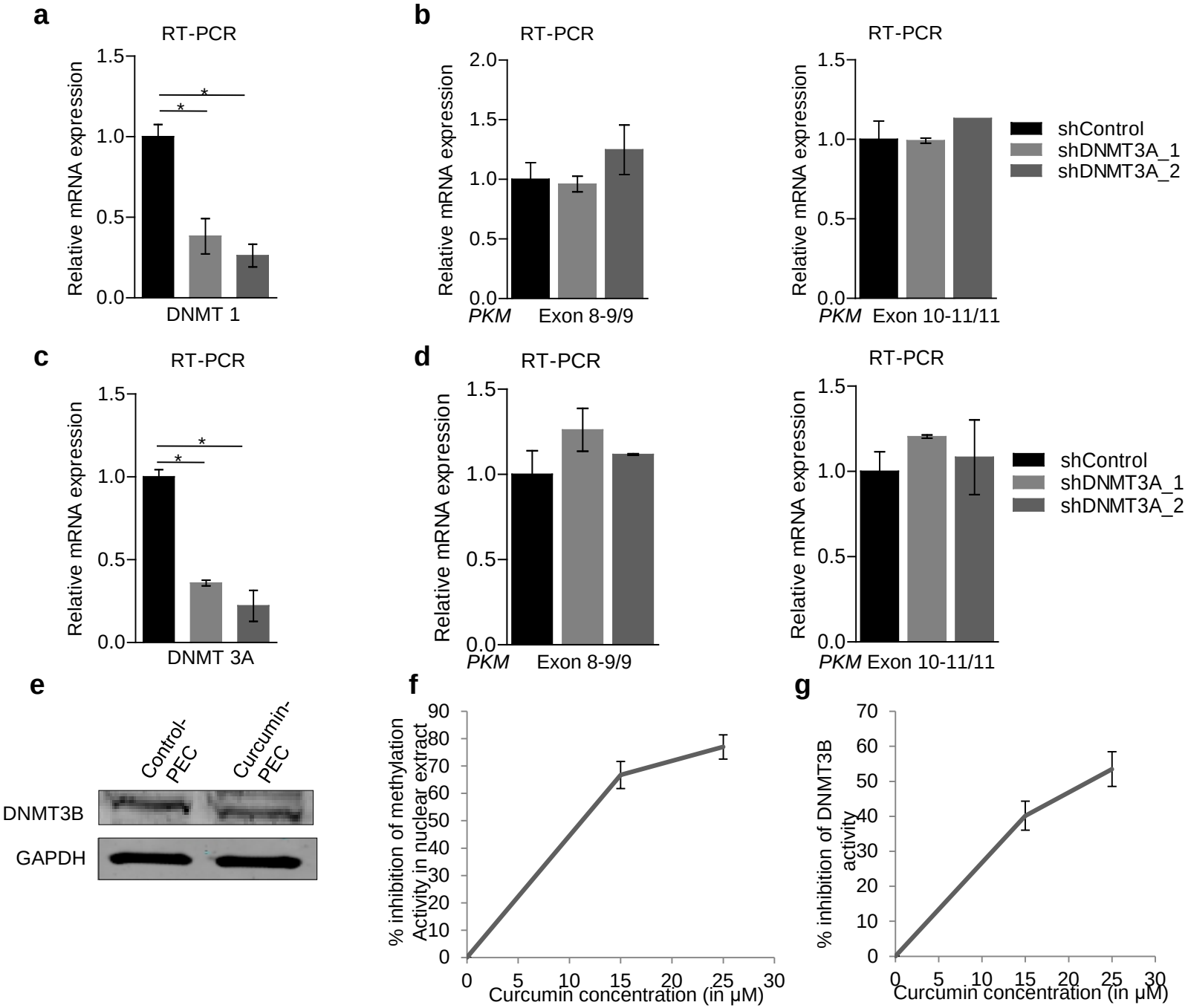
a
RT-PCR
Relative mRNA expression
1.5
1.0
0.5
0.0
*
*
DNMT 1
b
RT-PCR
Relative mRNA expression
2.0
1.5
1.0
0.5
0.0
PKM Exon 8-9/9
RT-PCR
Relative mRNA expression
1.5
1.0
0.5
0.0
PKM Exon 10-11/11
shControl
shDNMT3A_1
shDNMT3A_2
c
RT-PCR
Relative mRNA expression
1.5
1.0
0.5
0.0
*
*
DNMT 3A
d
RT-PCR
Relative mRNA expression
1.5
1.0
0.5
0.0
PKM Exon 8-9/9
RT-PCR
Relative mRNA expression
1.5
1.0
0.5
0.0
PKM Exon 10-11/11
shControl
shDNMT3A_1
shDNMT3A_2
e
Control-PEC
Curcumin-PEC
DNMT3B
GAPDH
f
% inhibition of methylation Activity in nuclear extract
90
80
70
60
50
40
30
20
10
0
0
5
10
15
20
25
30
Curcumin concentration (in μM)
g
% inhibition of DNMT3B activity
70
60
50
40
30
20
10
0
0
5
10
15
20
25
30
Curcumin concentration (in μM)