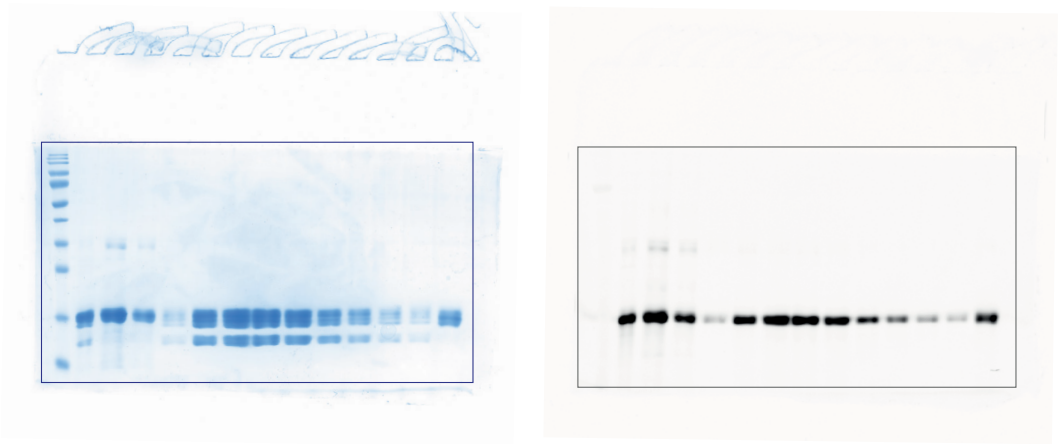


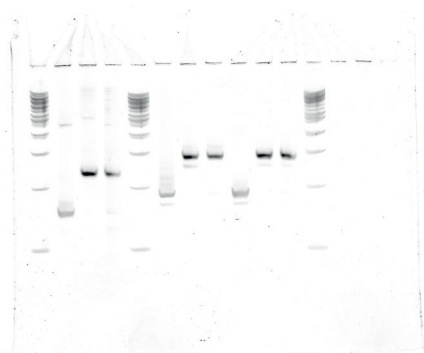
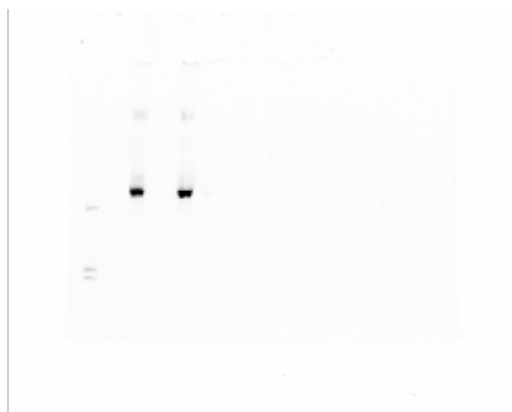
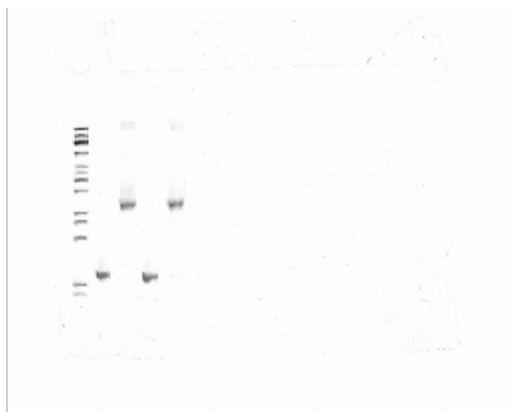
Supplementary Figure 1A



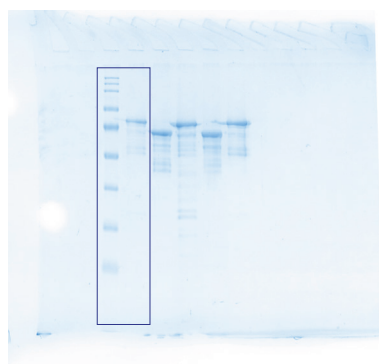
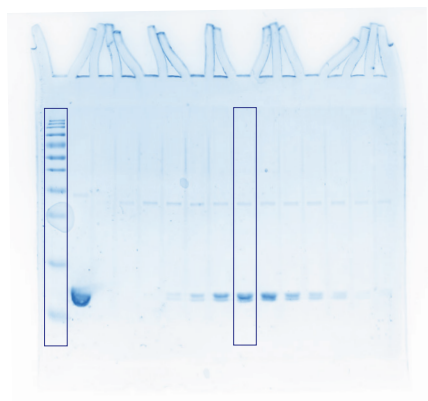
Supplementary Figure 1B



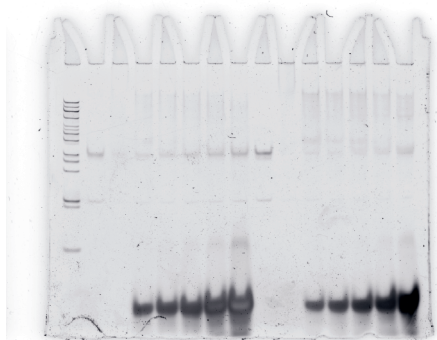
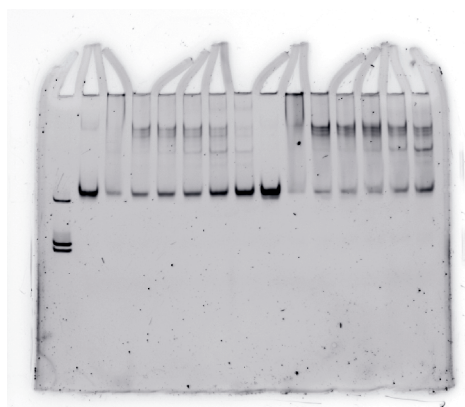
Supplementary Figure 1C



Supplementary Figure 2A



Supplementary Figure 2B

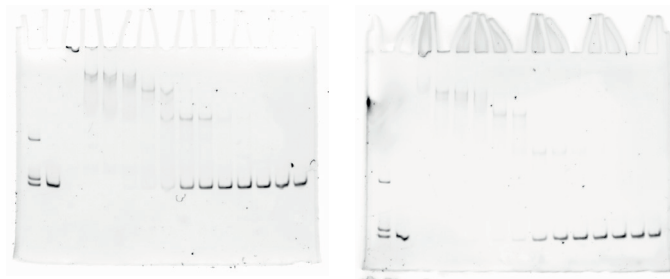


Supplementary Figure 2E

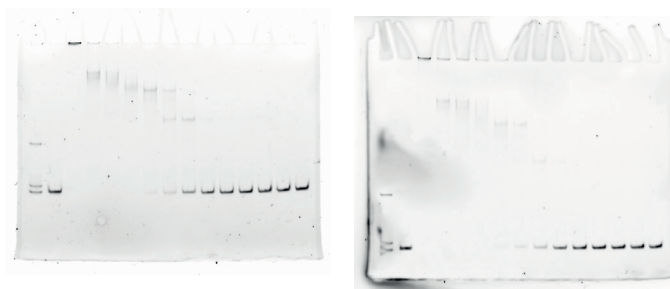
-61 meCpG



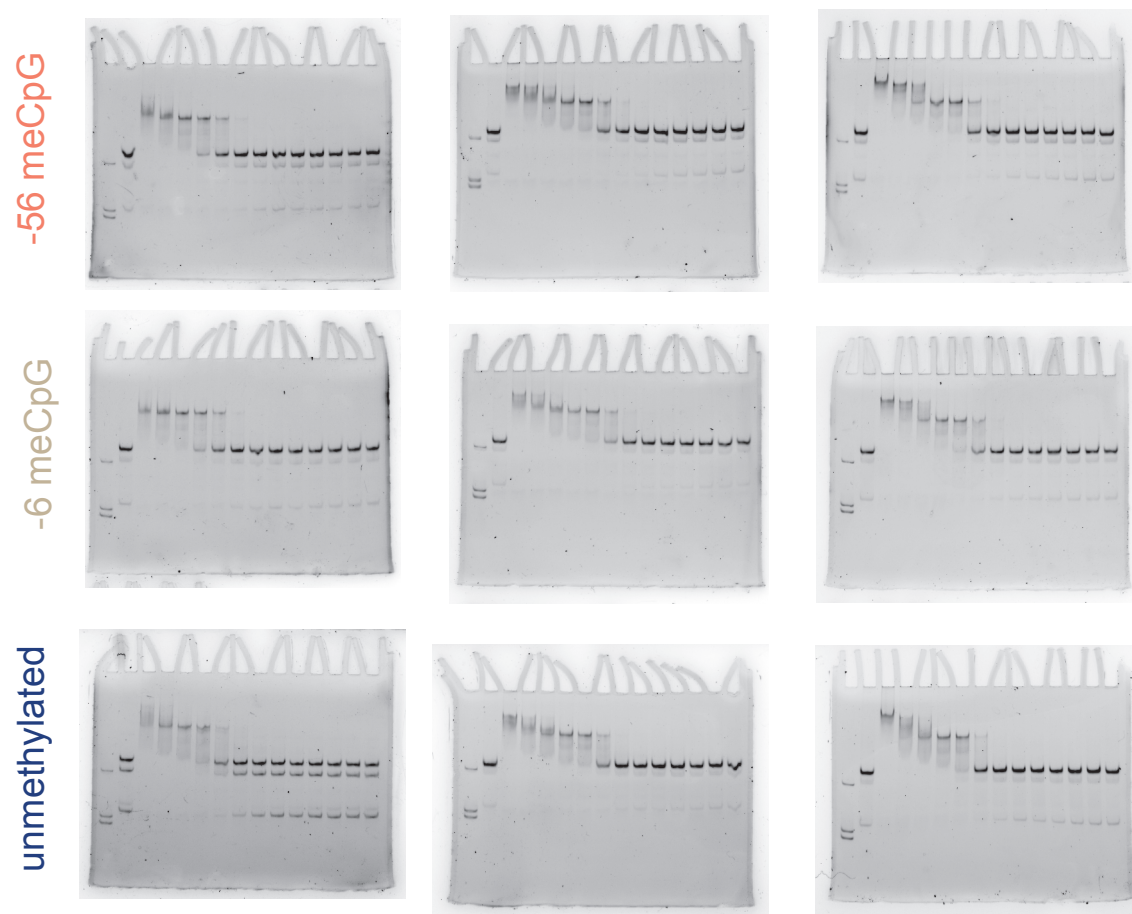
-1 meCpG



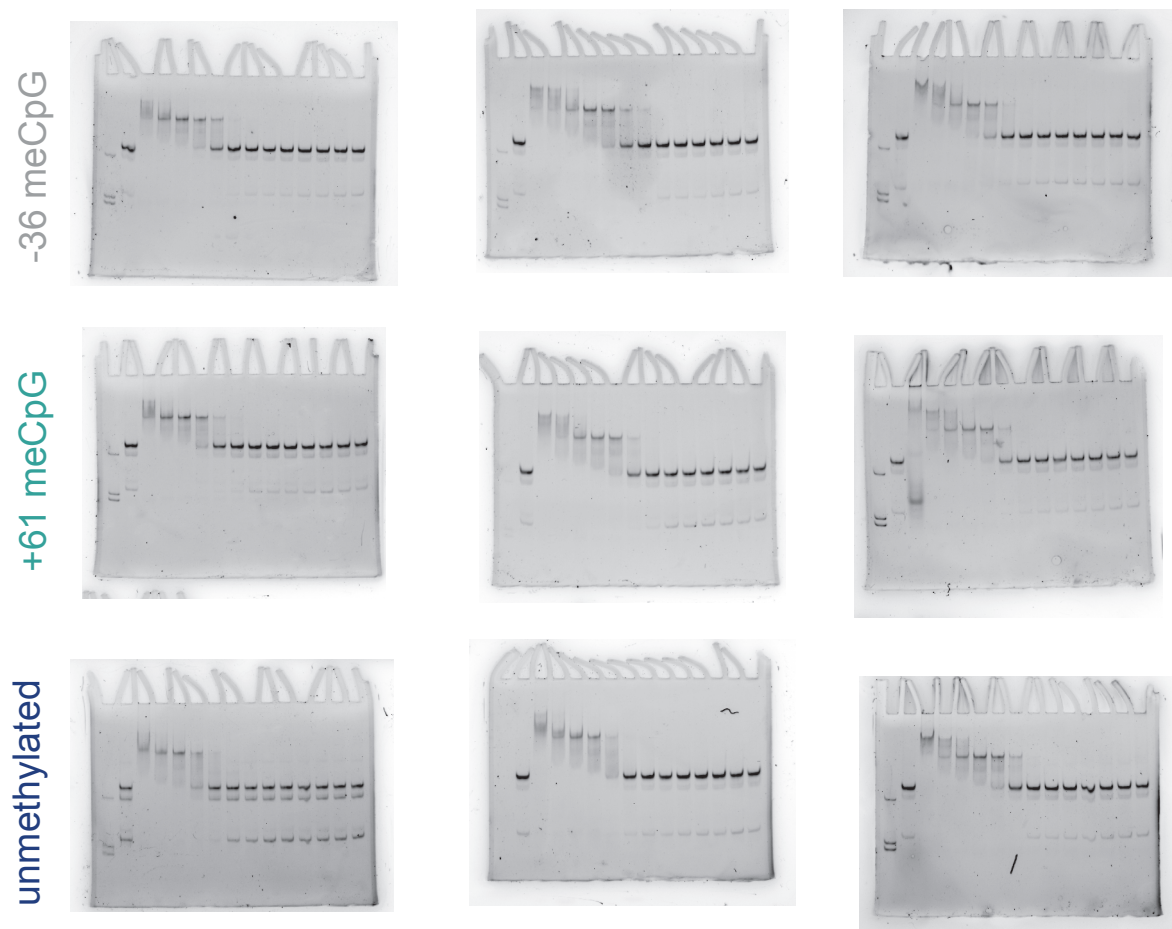
unmethylated



Supplementary Figure 4B

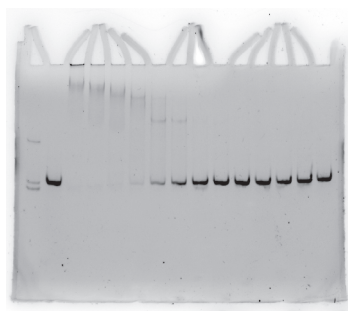
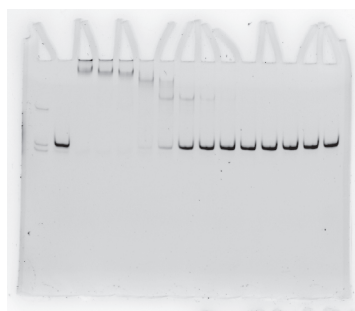


Supplementary Figure 4C

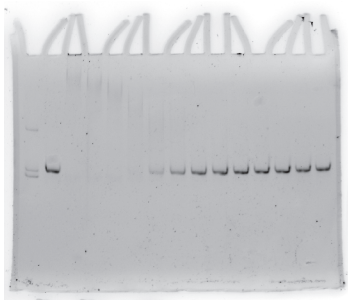
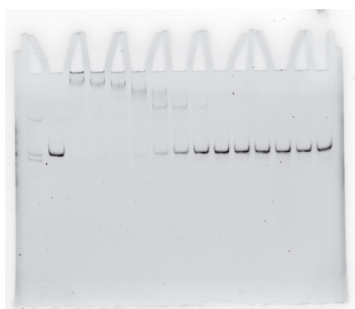


Supplementary Figure 5A

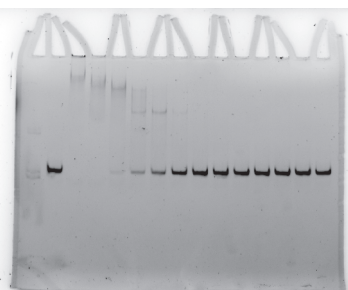
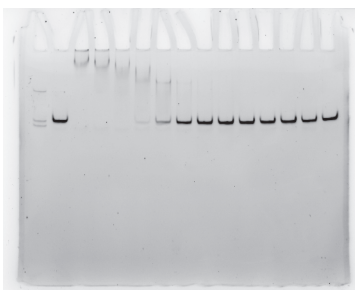
91 meCpA



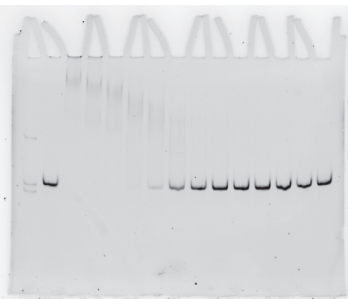
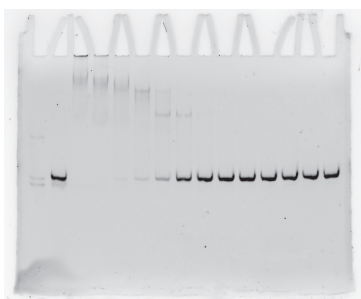
81 meCpA



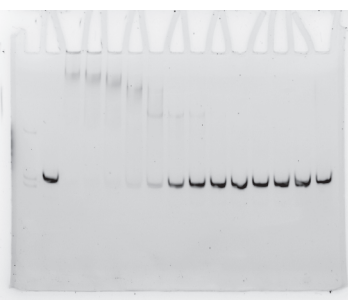
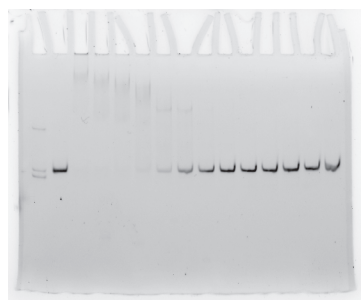
unmethylated



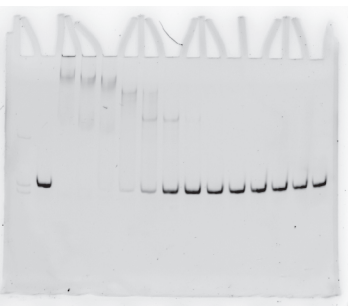
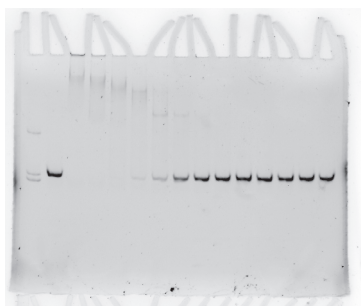
91 meCpG



81 meCpG



unmethylated



Supplementary Figure 5B

MBD

91 meCpA

81 meCpA

unmethylated

MeCP2

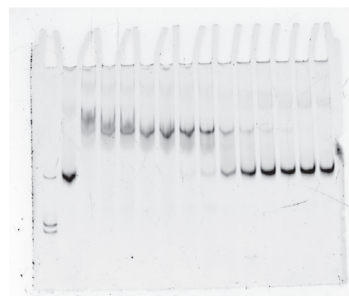
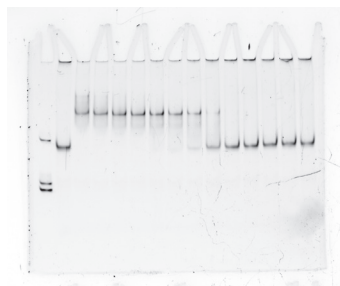
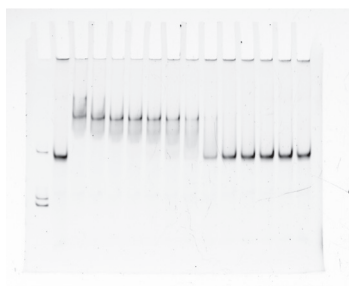
91 meCpA

81 meCpA

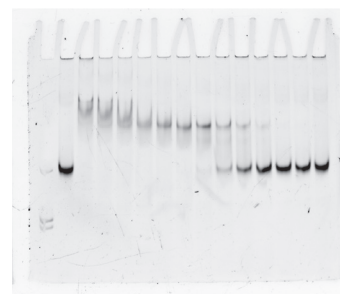
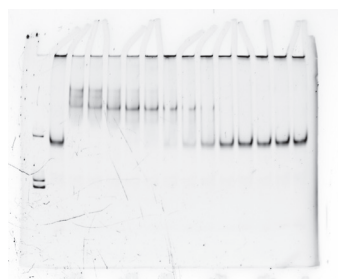
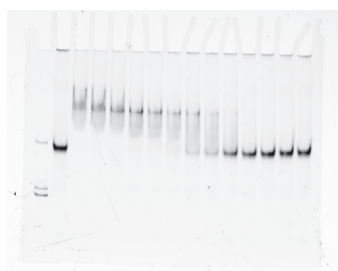
unmethylated

Supplementary Figure 5C

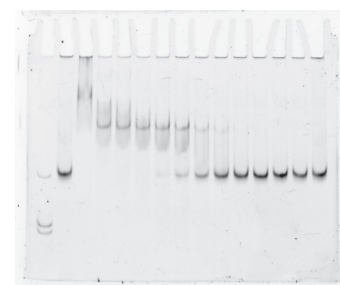
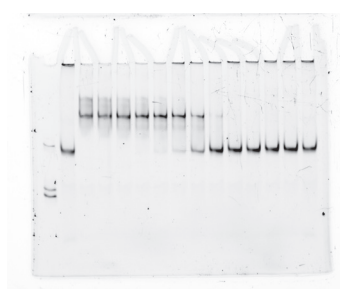
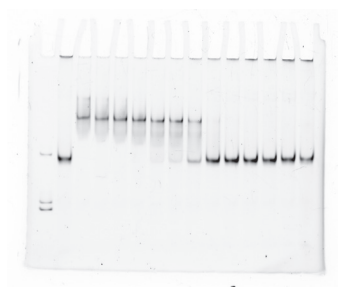
91 meCpG



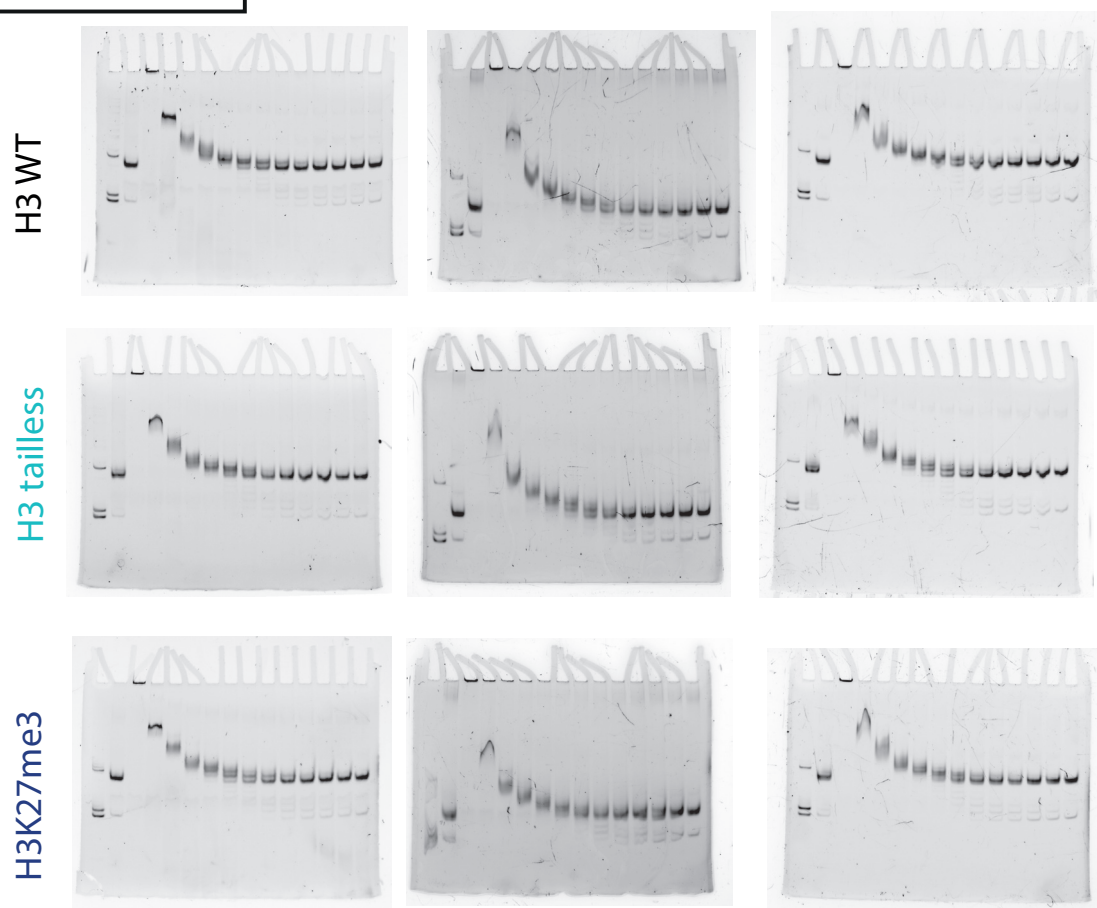
81 meCpG



unmethylated



Supplementary Figure 6B



Supplementary Figure 6C

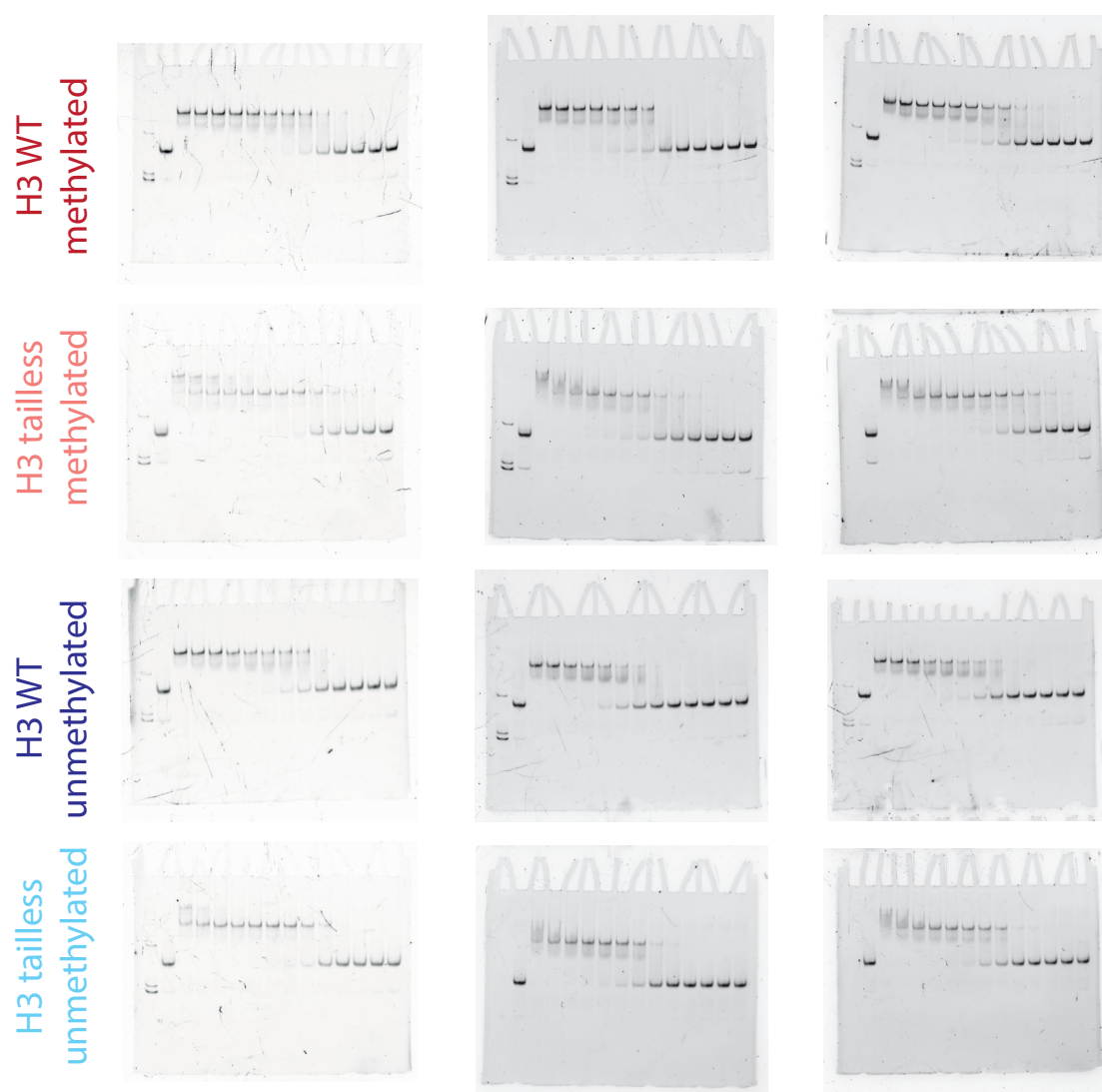
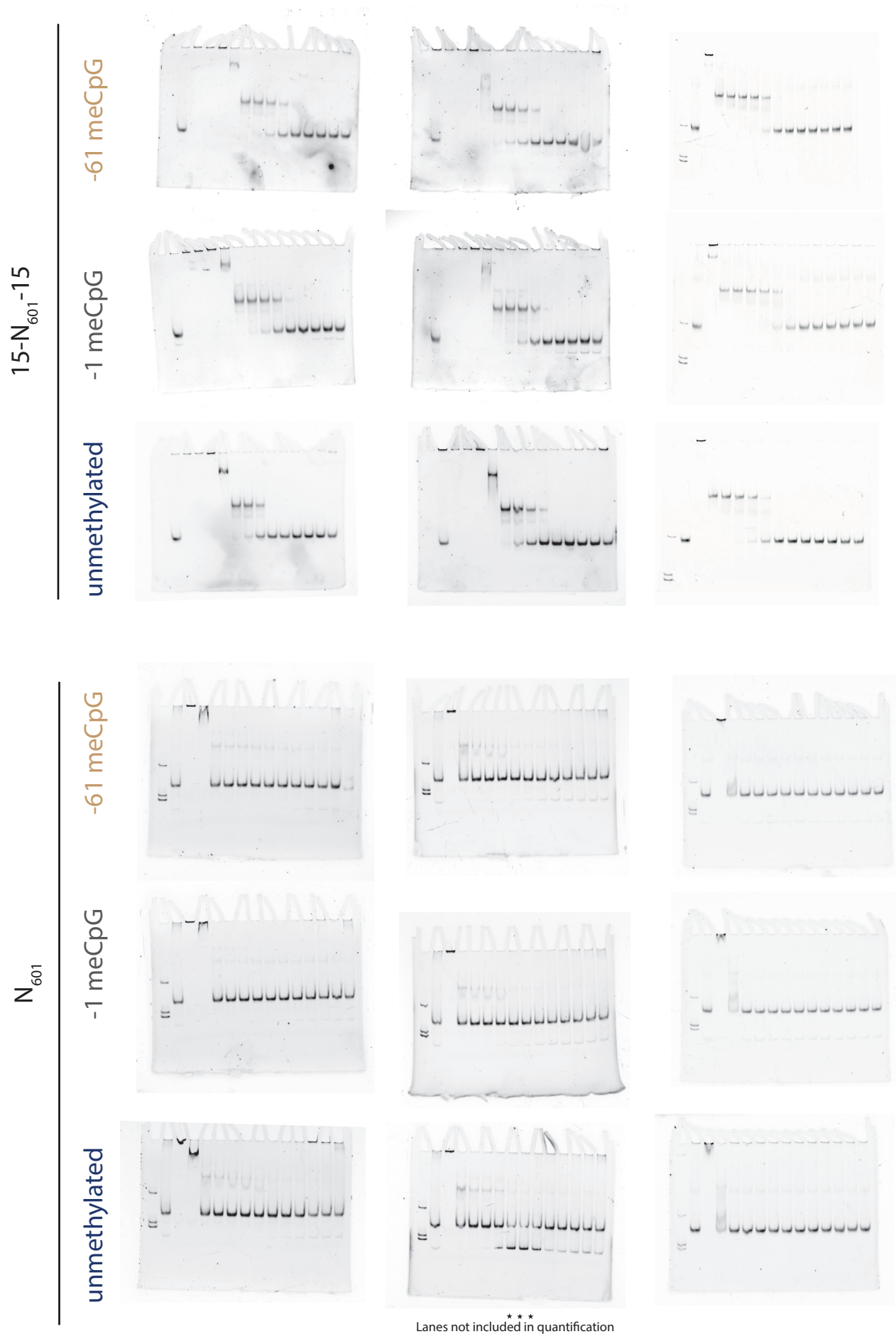
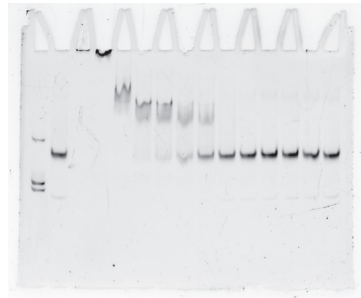
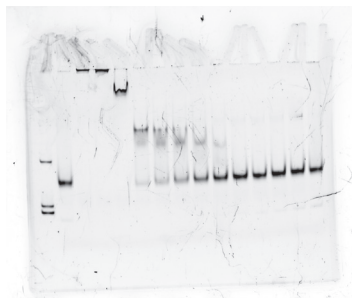
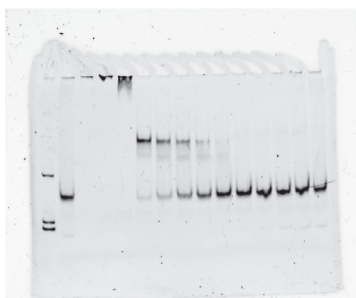


Figure 7A

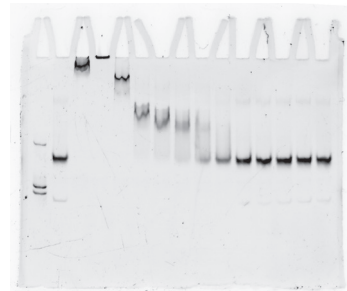
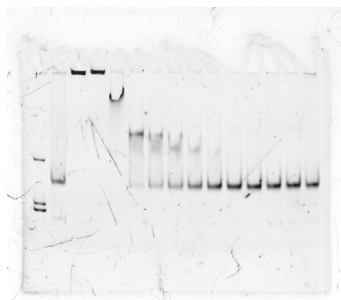
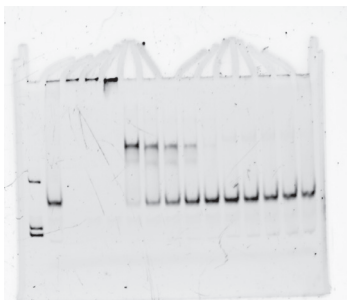


Supplementary Figure 7B

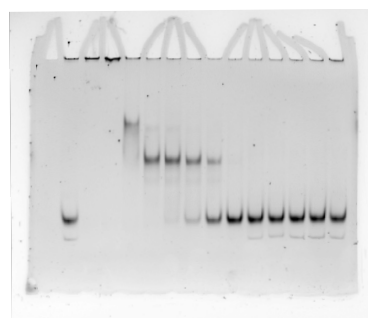
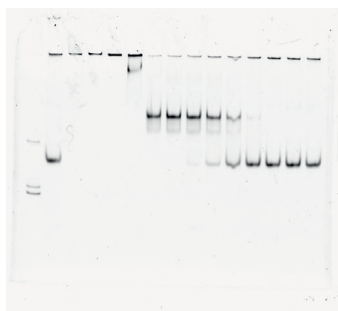
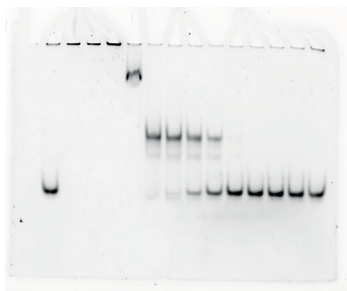
160 bp methylated



160 bp unmethylated

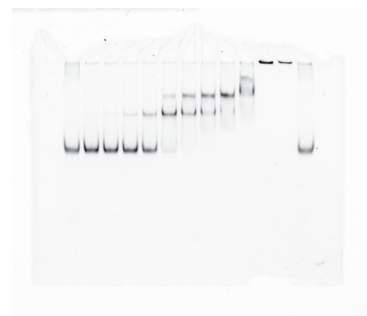
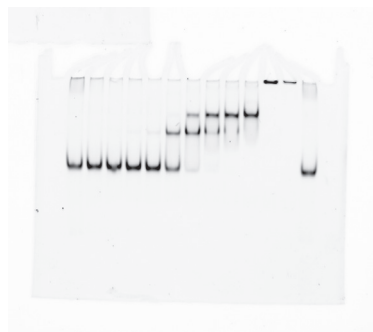
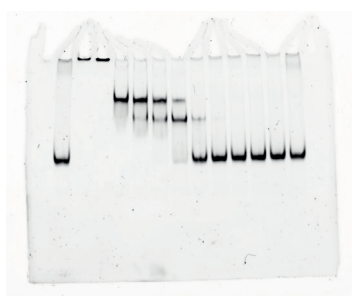


175 bp methylated

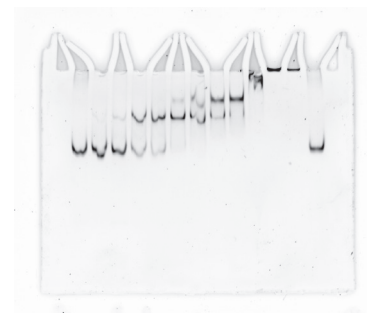
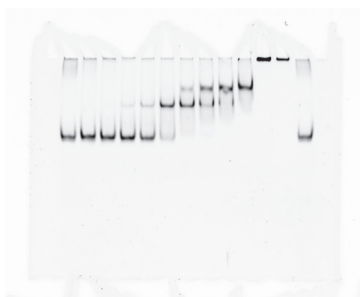
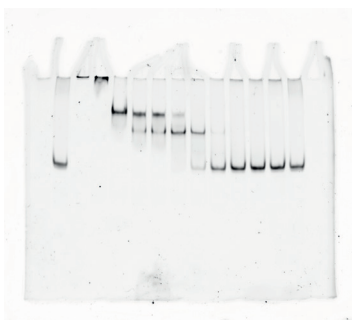


Supplementary Figure 7C

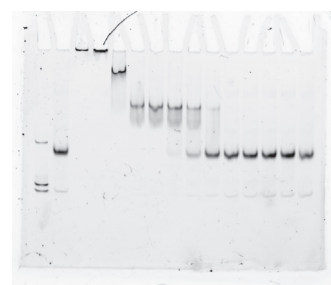
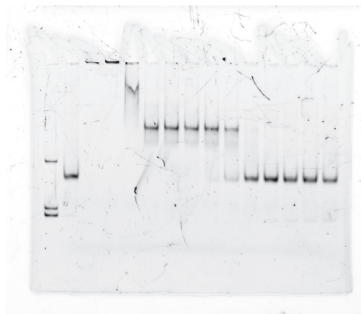
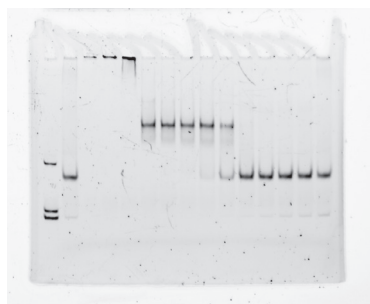
193 bp unmethylated



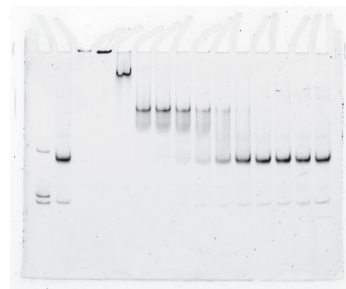
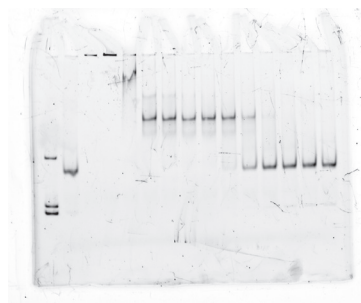
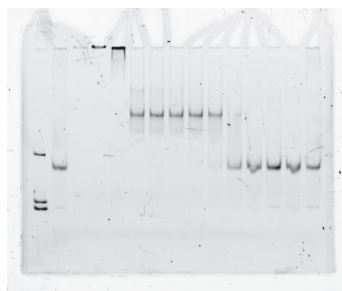
193 bp methylated



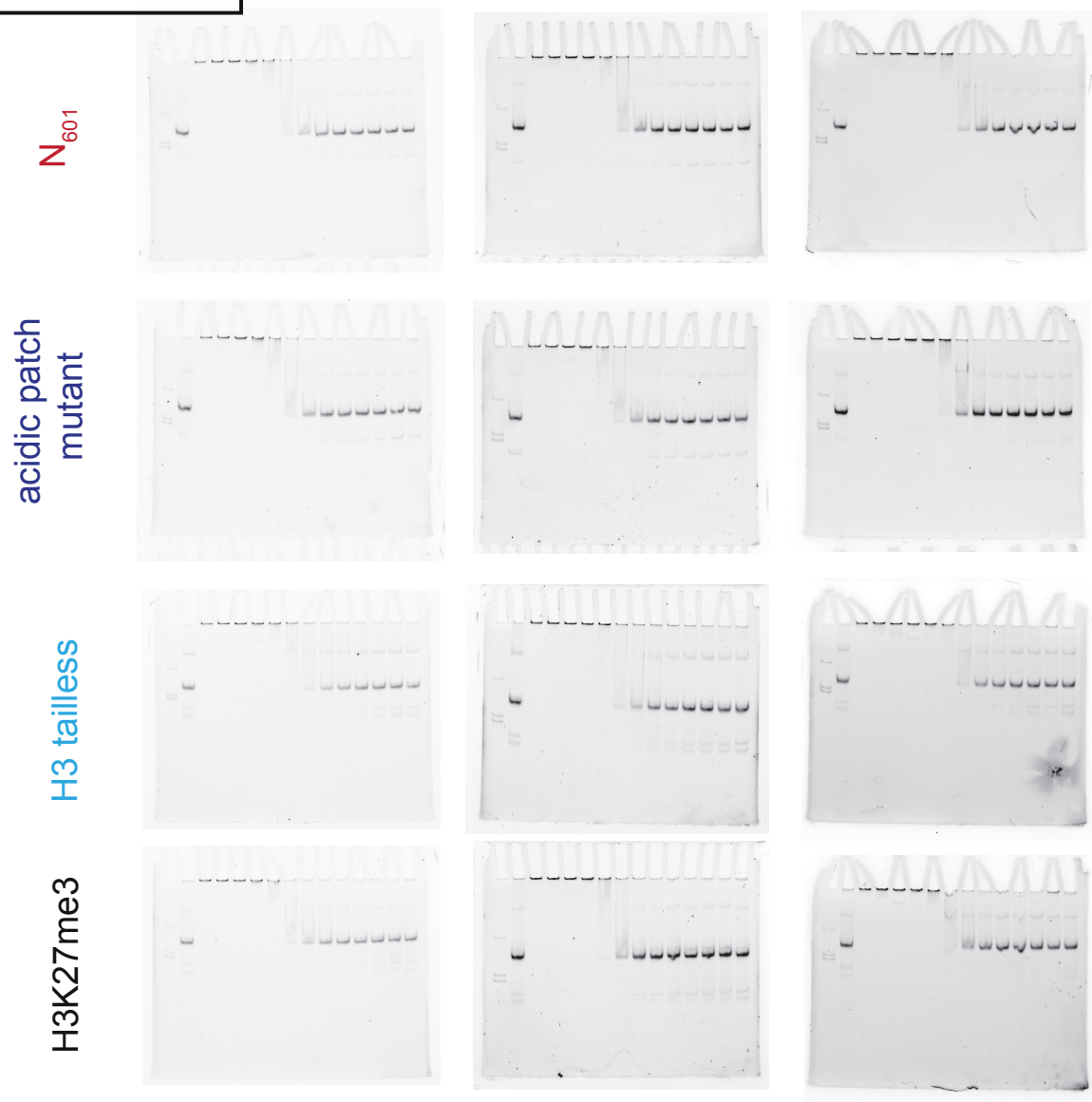
177 bp methylated



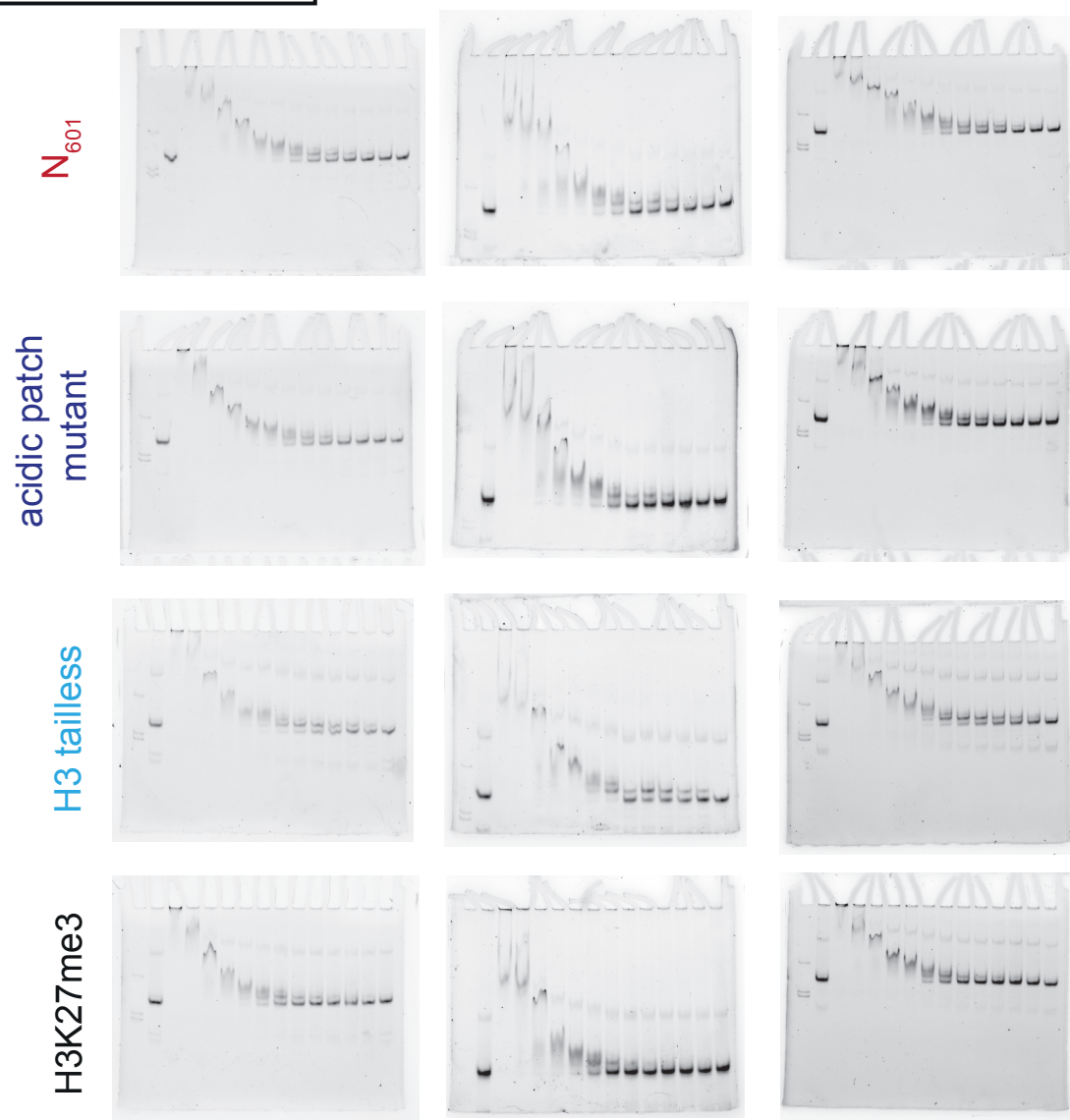
177 bp unmethylated



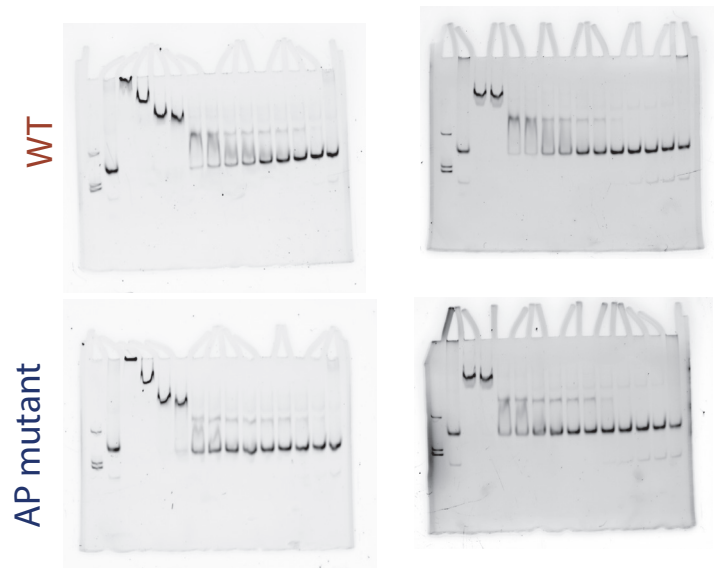
Supplementary Figure 8A



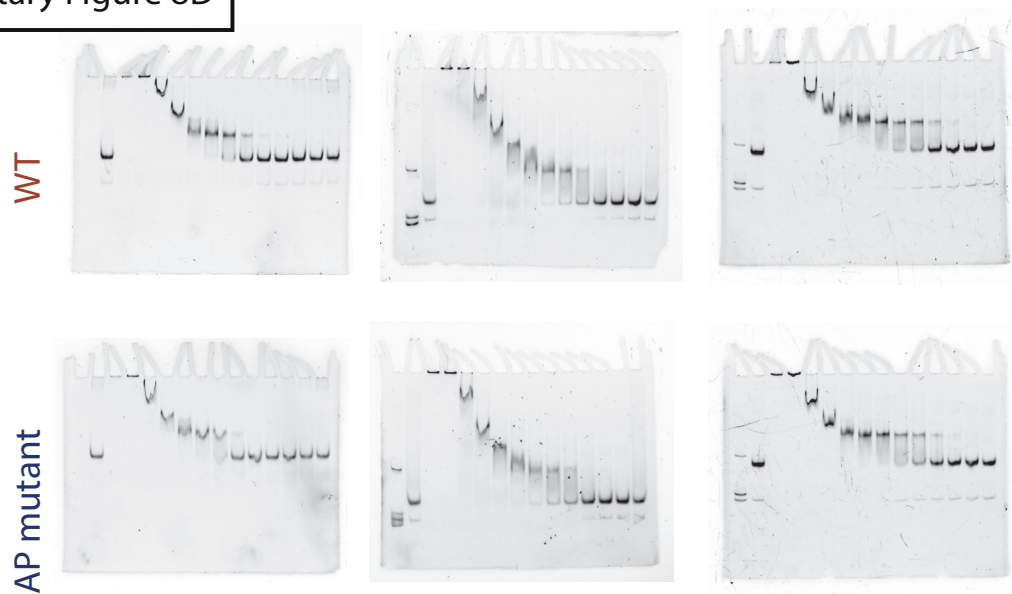
Supplementary Figure 8B



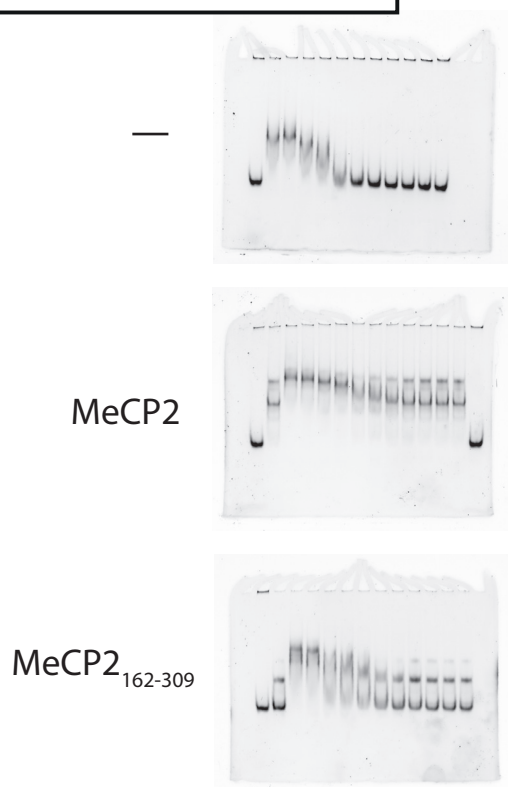
Supplementary Figure 8C



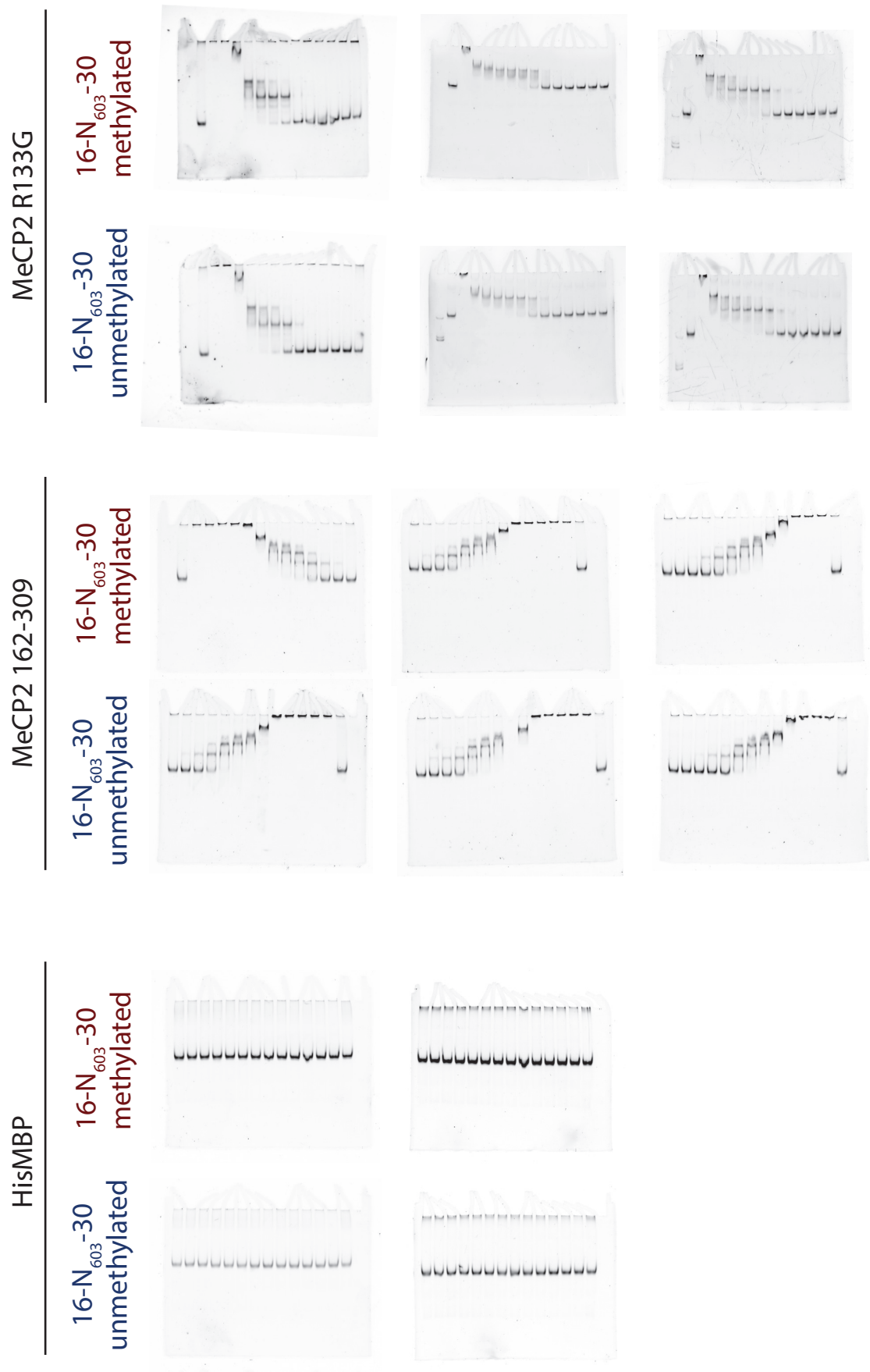
Supplementary Figure 8D



Supplementary Figure 8E



Supplementary Figure 9A



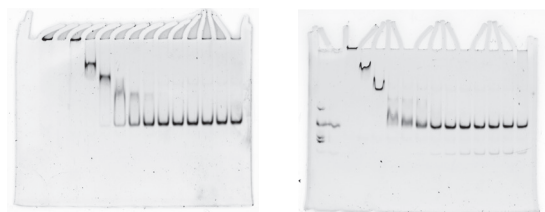
MeCP2 R133G

N_{601} 15- N_{601} -15



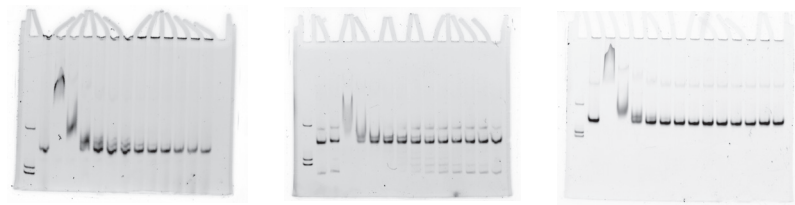
MeCP2 162-309

N_{601}



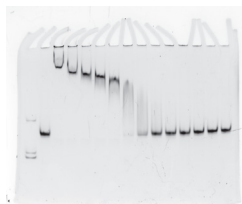
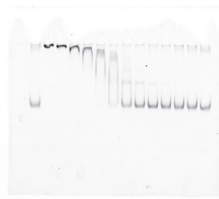
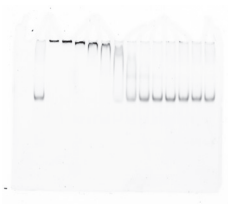
MeCP2 162-309

N_{601}

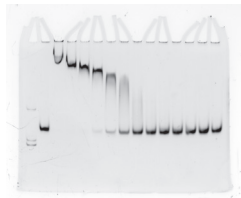
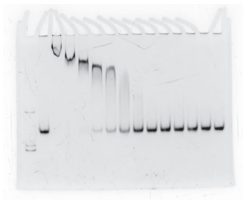


Supplementary Figure 9C

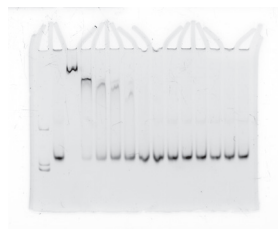
$^{16}\text{N}_{603}$ -30
unmethylated

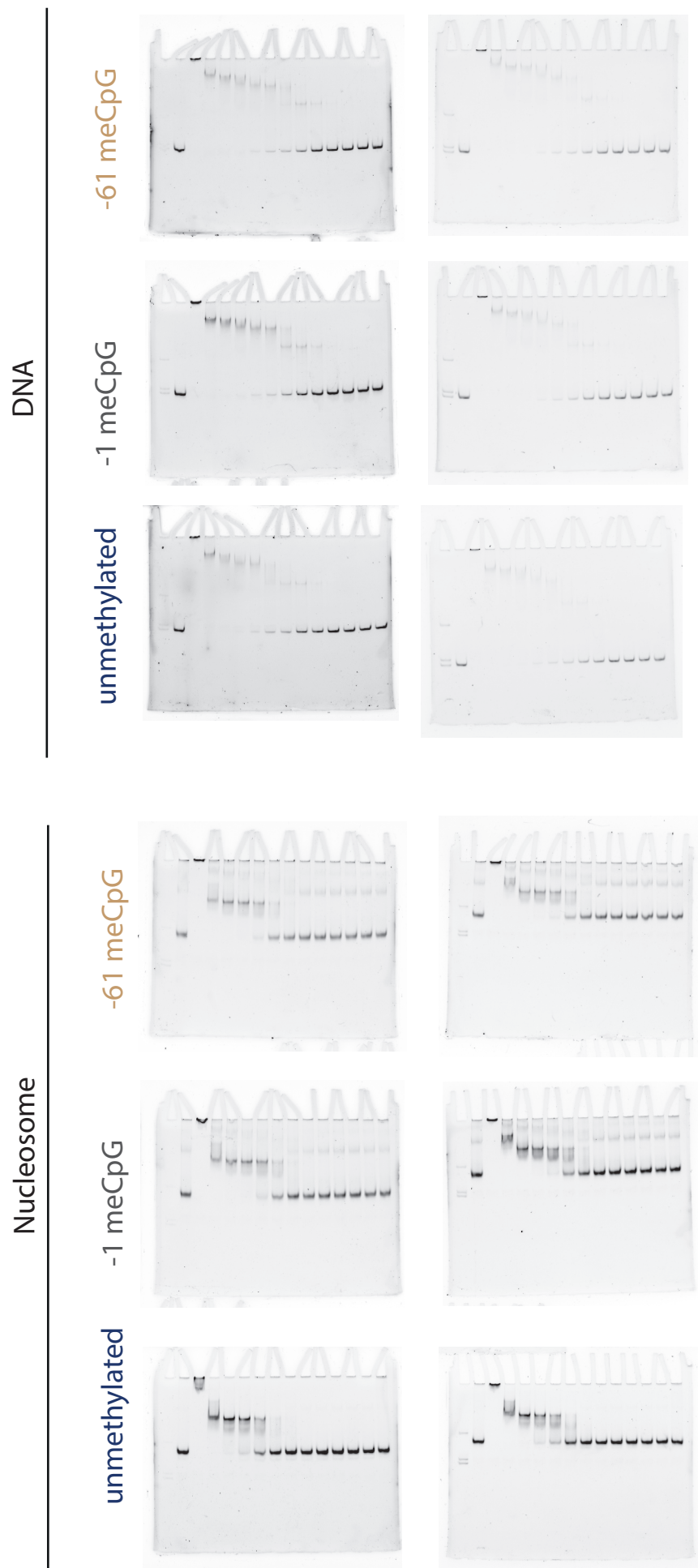


$^{15}\text{N}_{601}$ -15

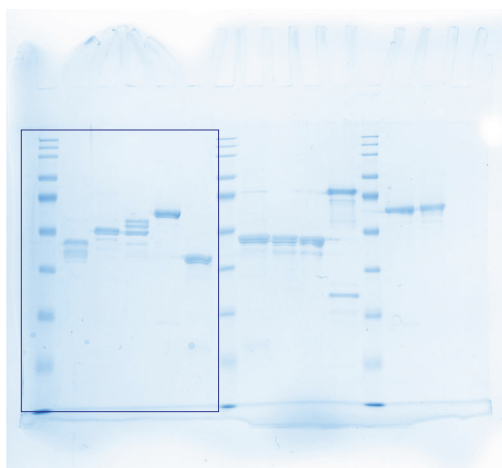


N_{601}

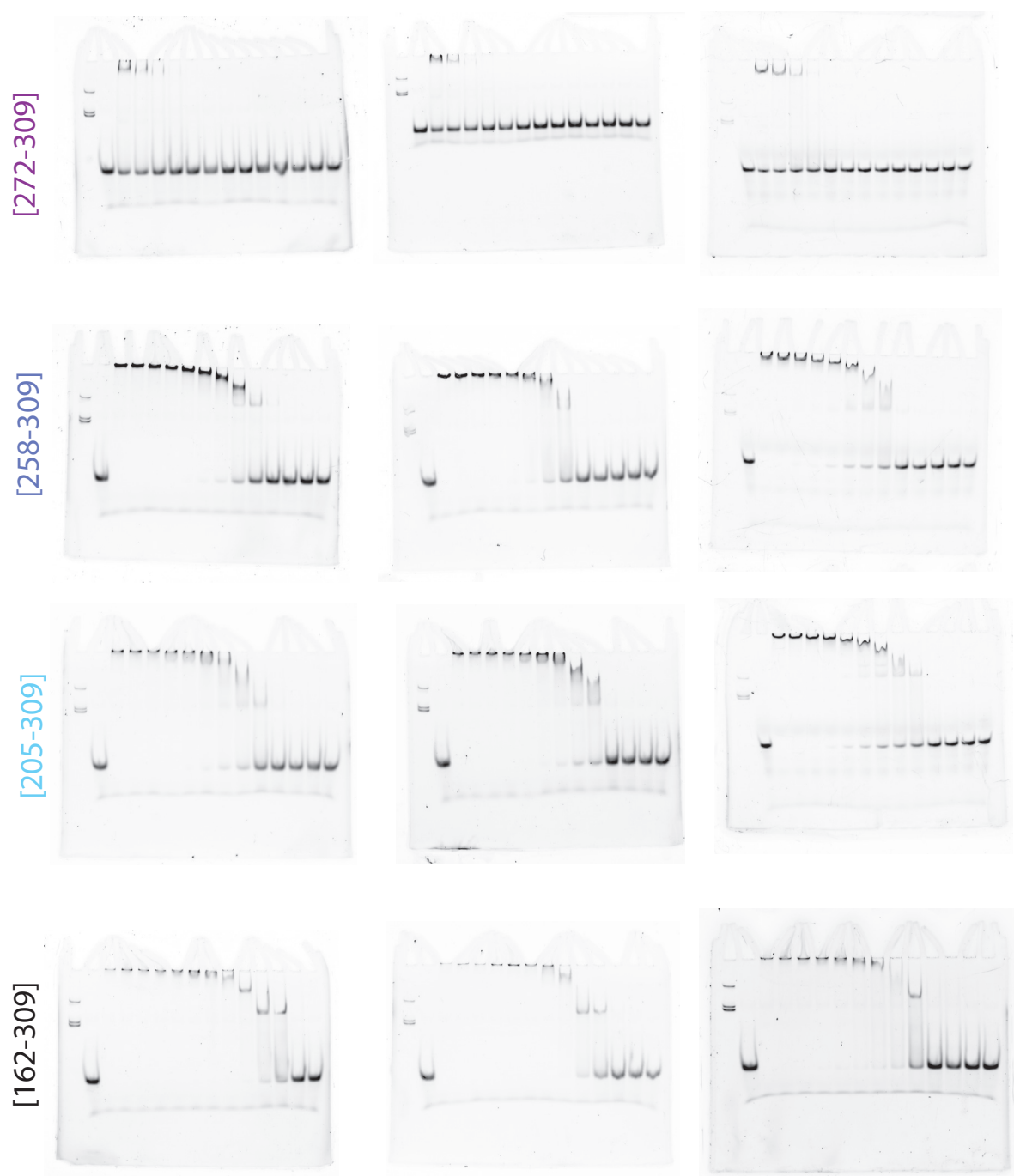




Supplementary Figure 10A



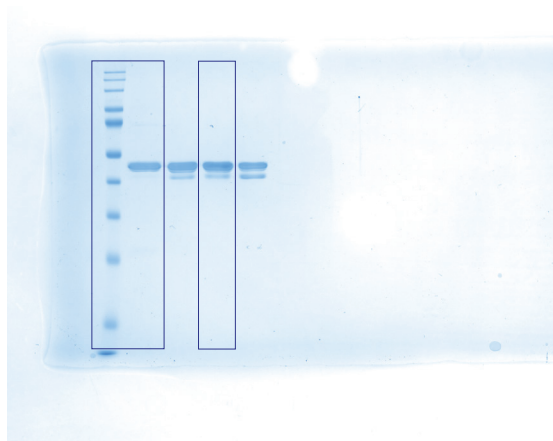
Supplementary Figure 10B



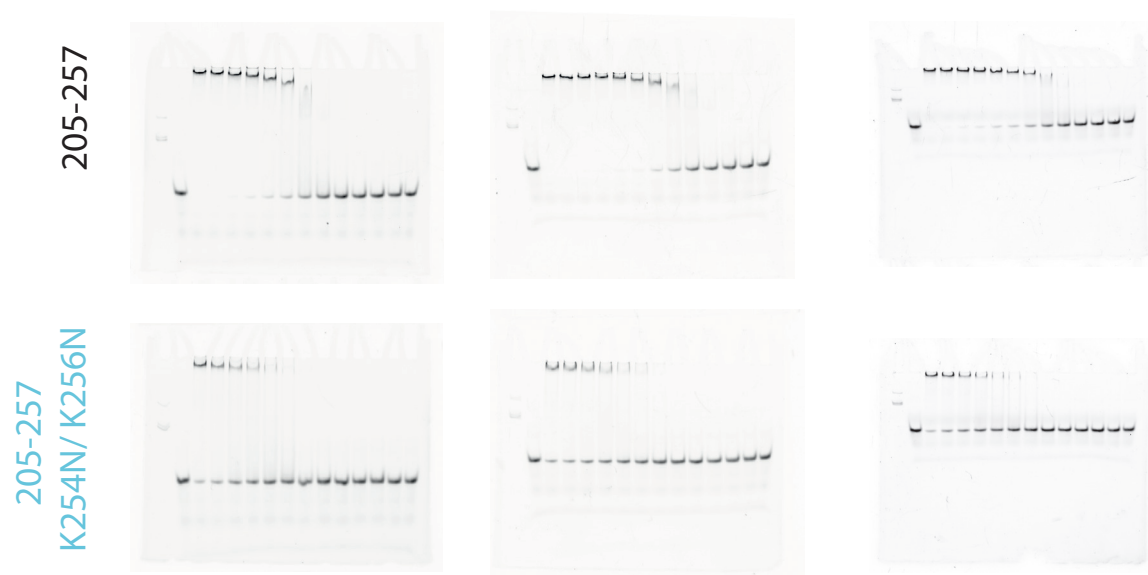
Supplementary Figure 10C



Supplementary Figure 10D



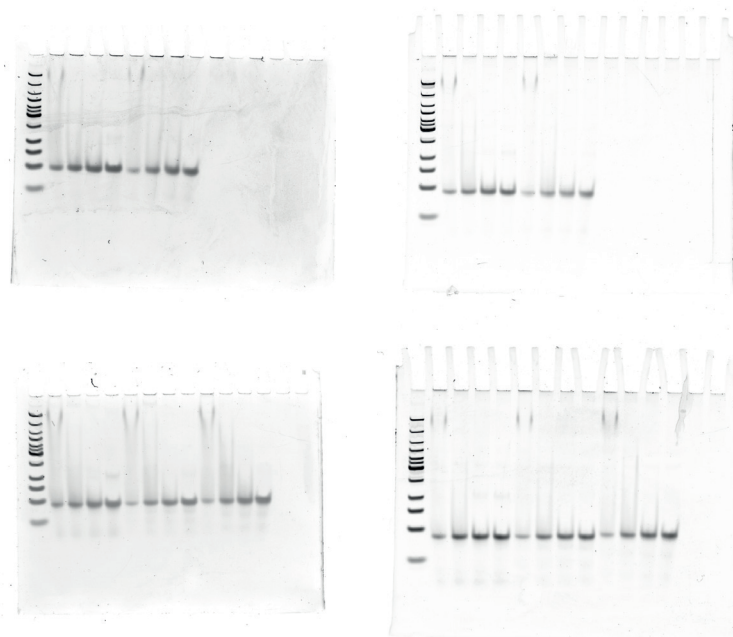
Supplementary Figure 10E



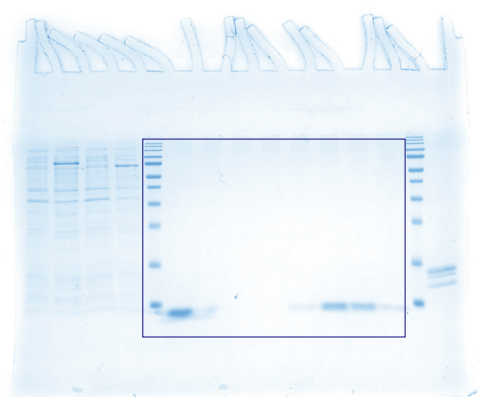
Supplementary Figure 10F



Supplementary Figure 11A



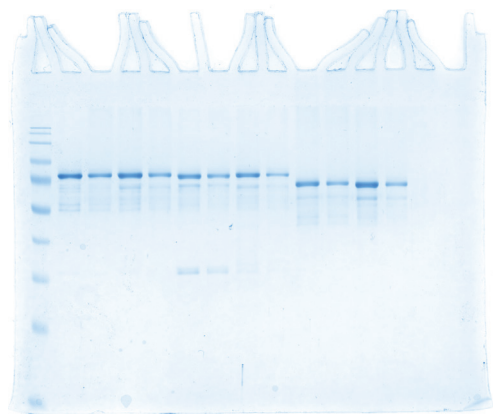
Supplementary Figure 11B



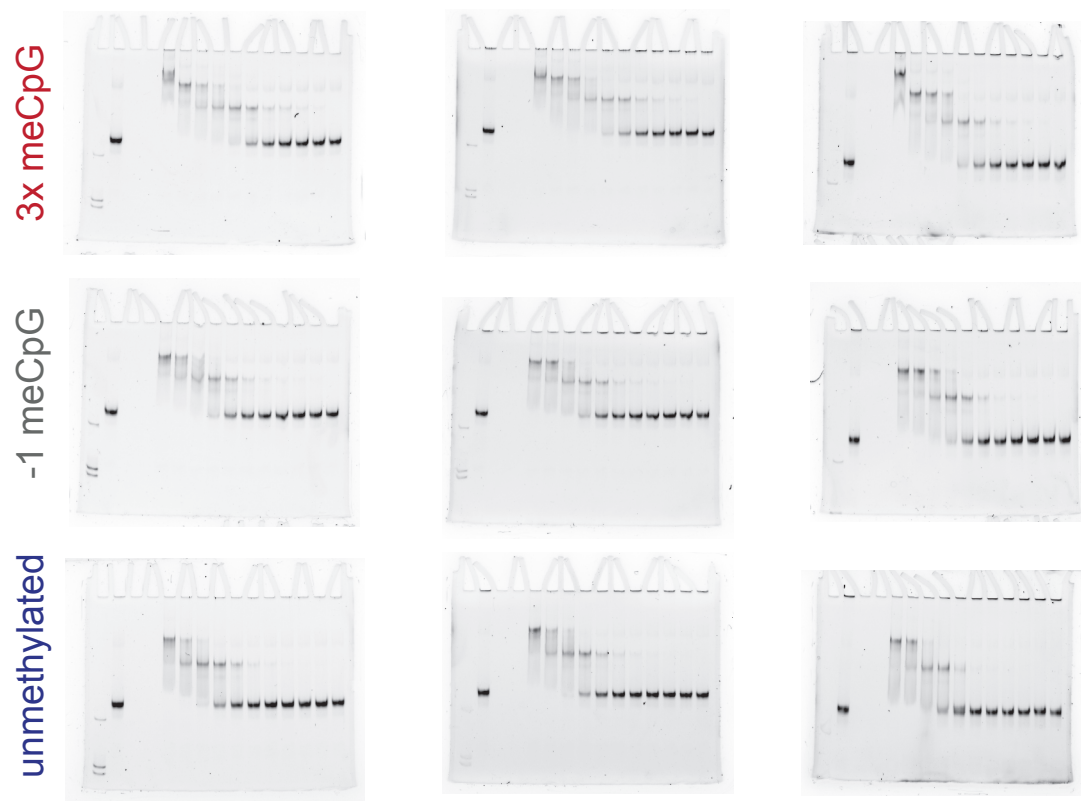
Supplementary Figure 11C



Supplementary Figure 12A

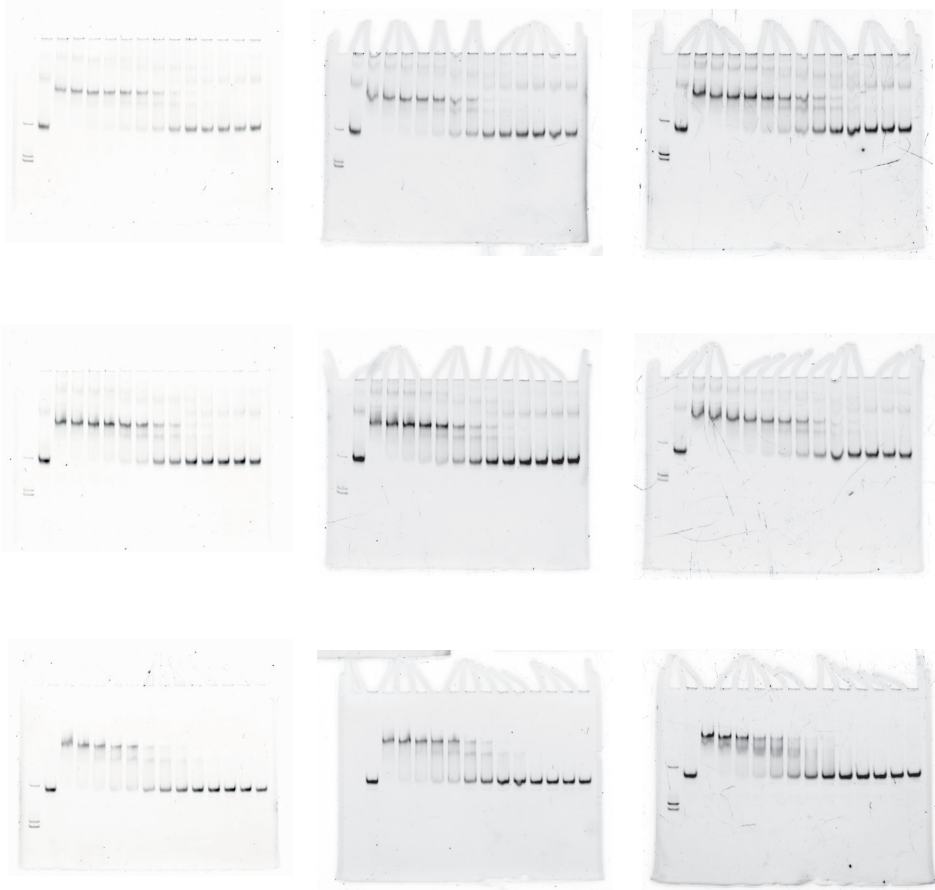


Supplementary Figure 12B



Supplementary Figure 13B

unmethylated position -1 meCpG position -61 meCpG

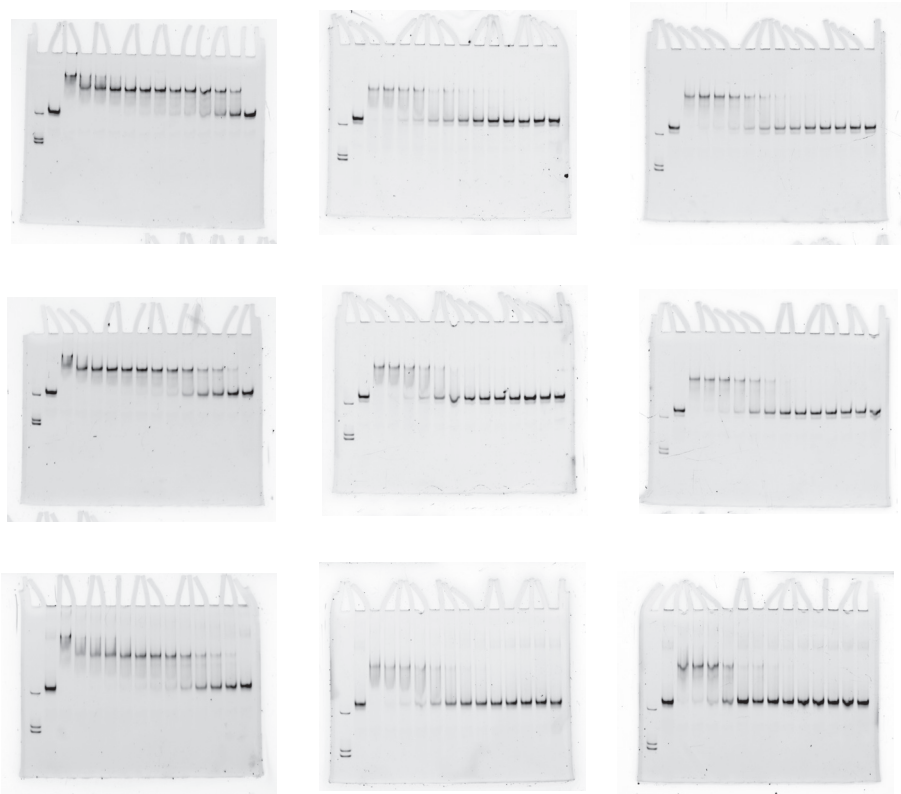


Supplementary Figure 13B

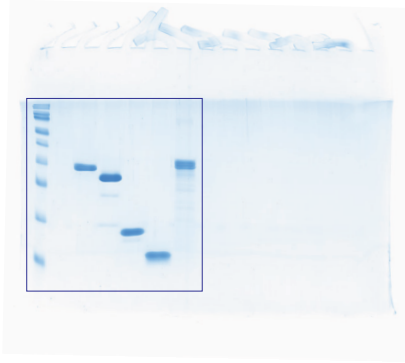
91 meCpA

81 meCpA

unmethylated

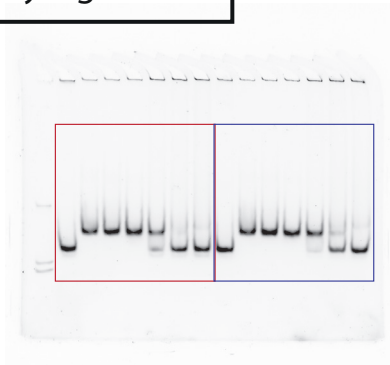


Supplementary Figure 15A

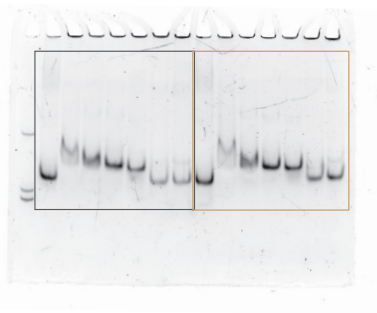


Supplementary Figure 15B

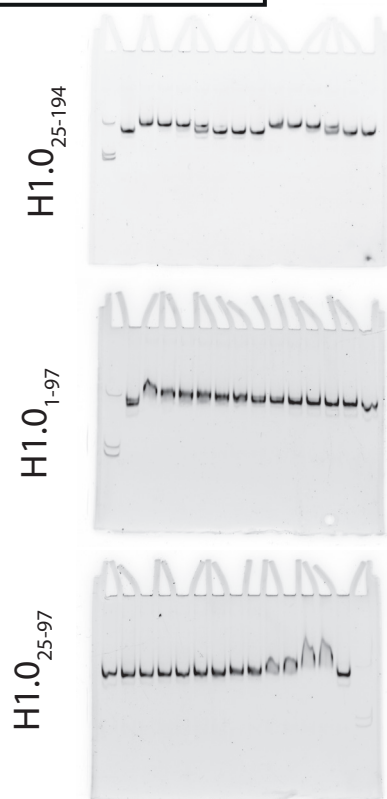
linker meCpA
unmethylated



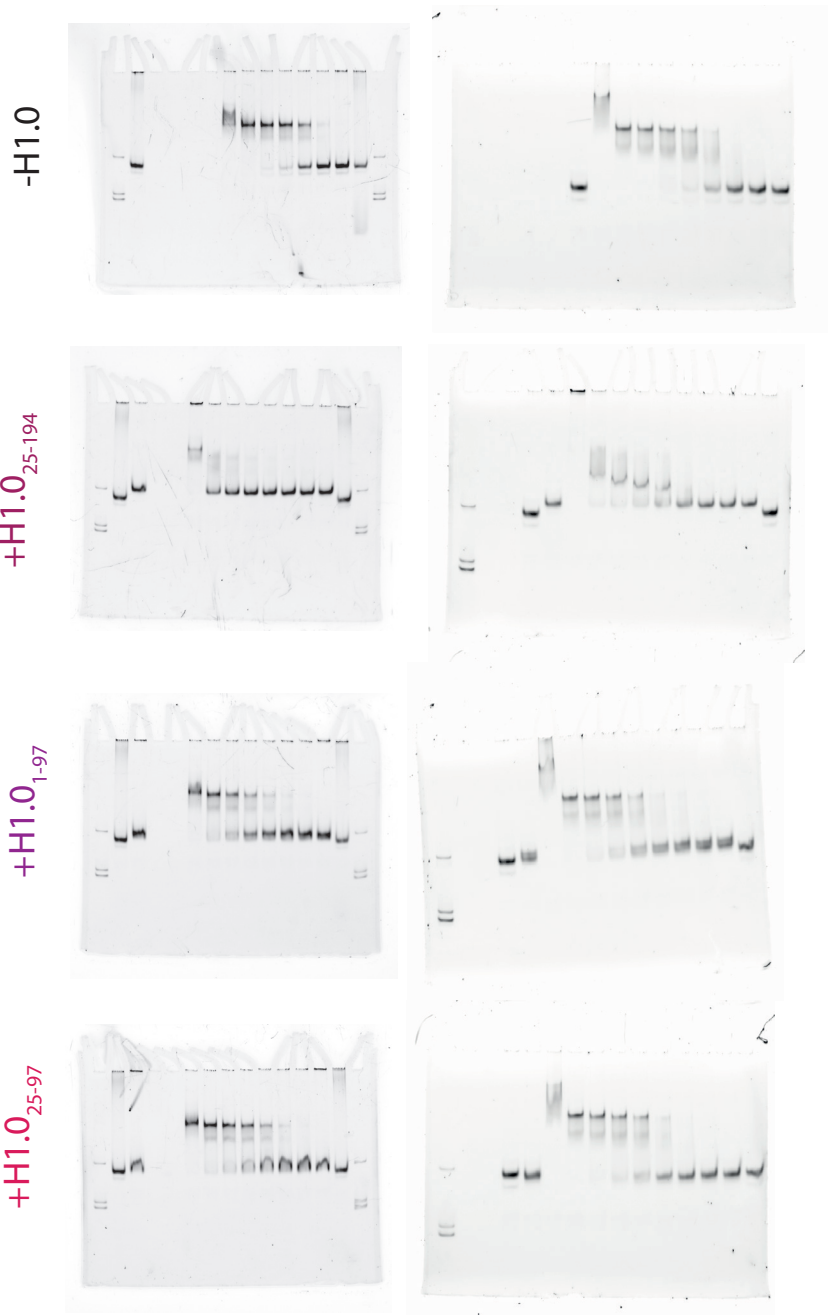
position -61 meCpG
position -1 meCpG



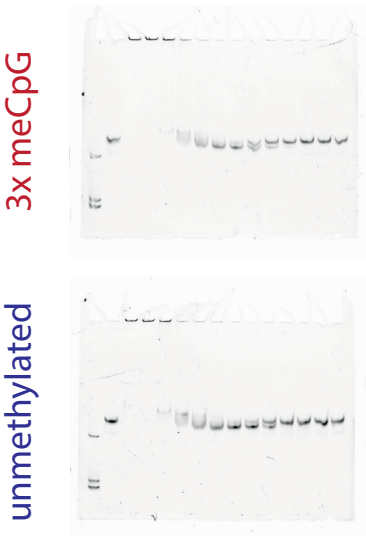
Supplementary Figure 15C



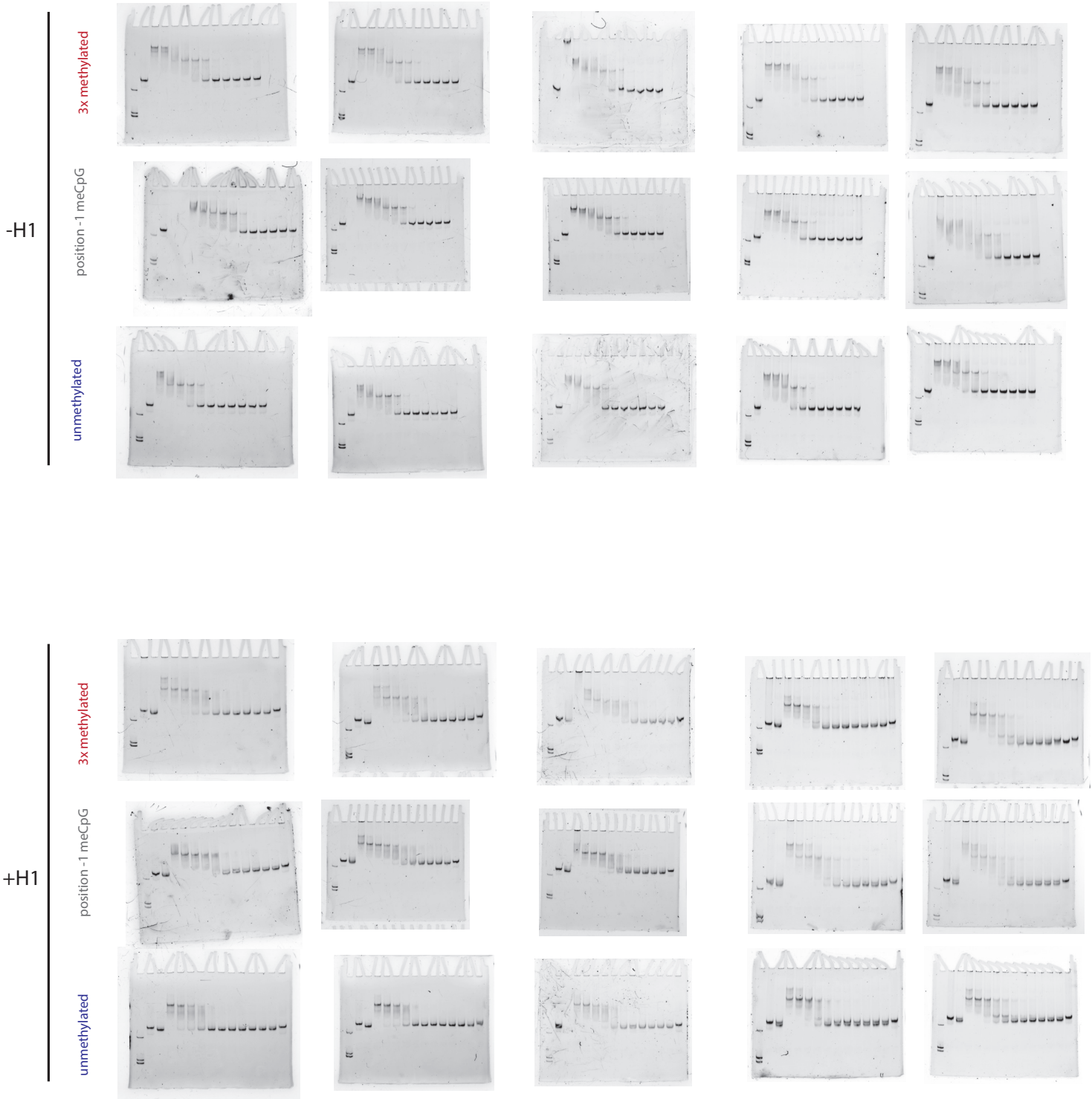
Supplementary Figure 15D



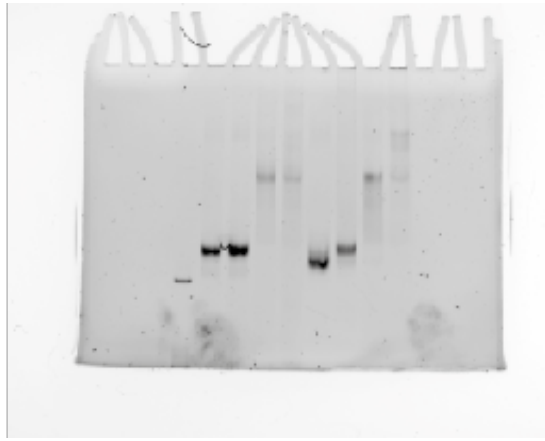
Supplementary Figure 15E



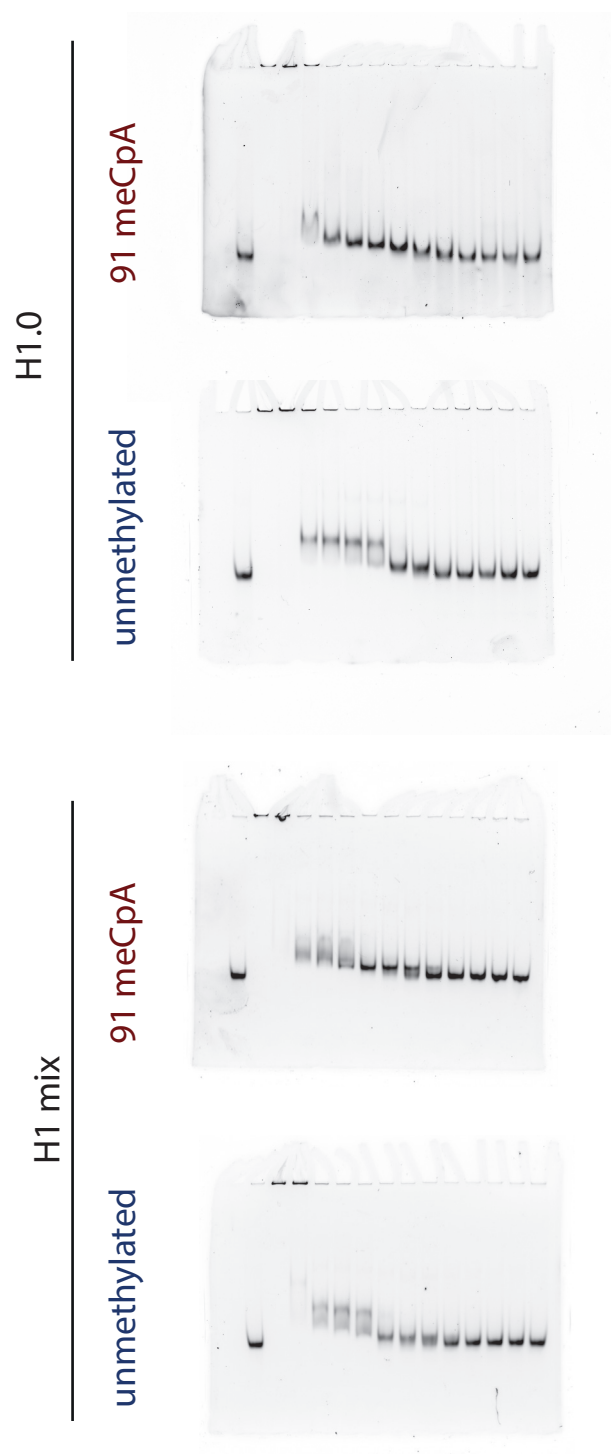
Supplementary Figure 15F



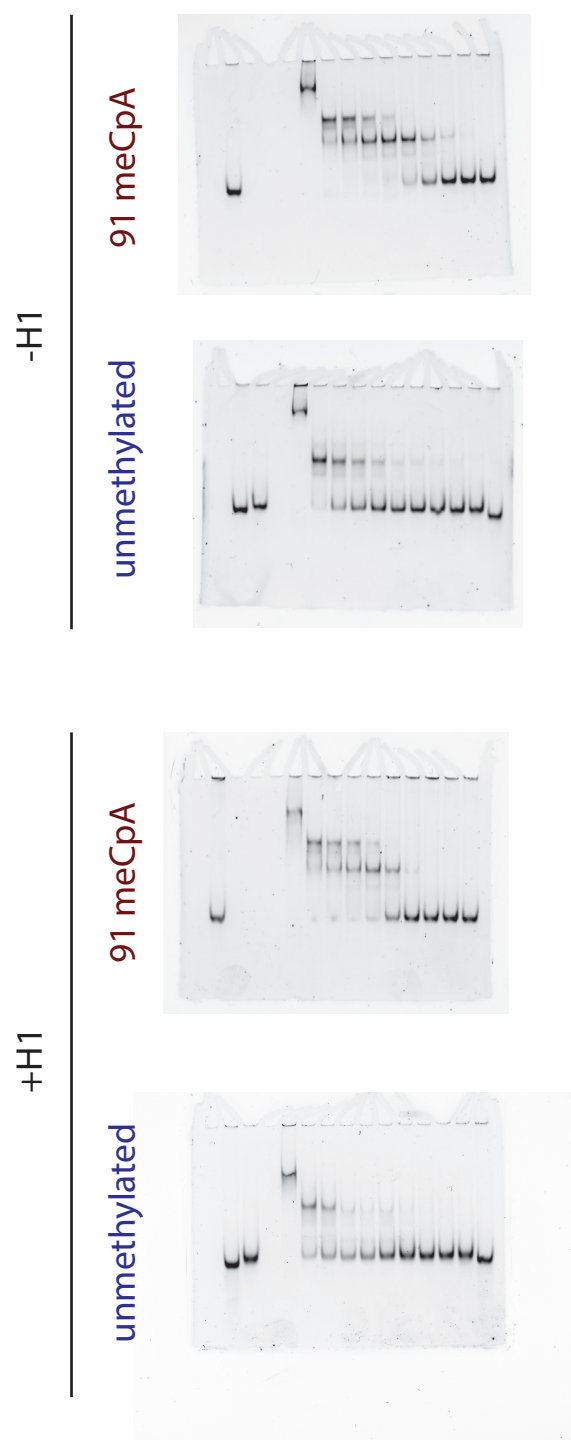
Supplementary Figure 15G



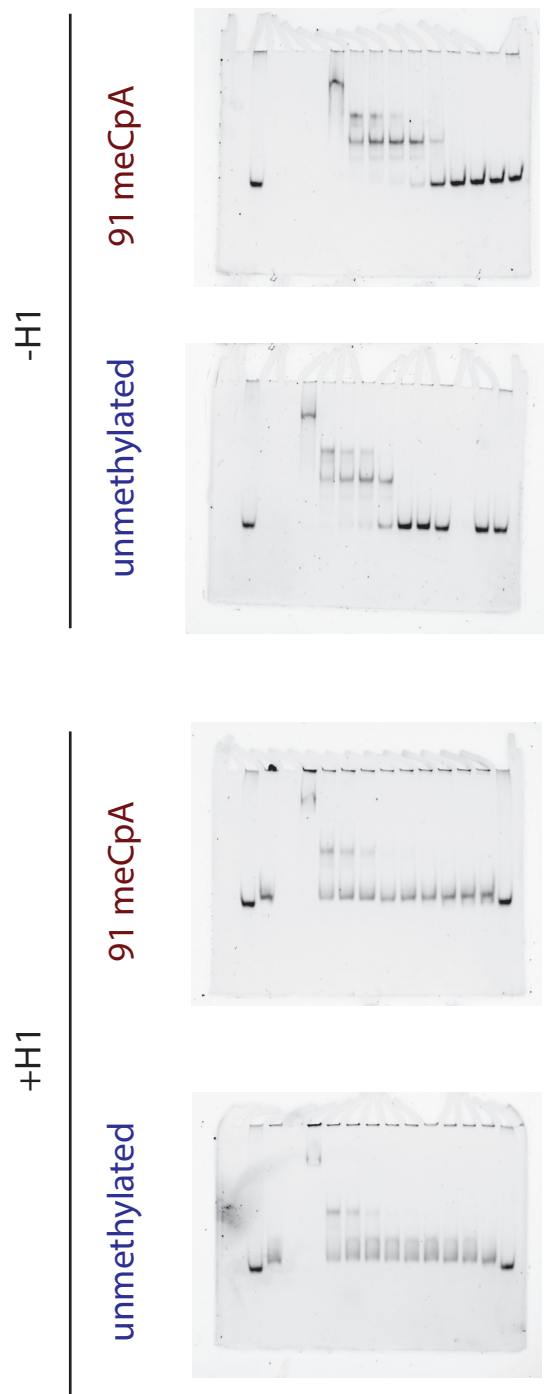
Supplementary Figure 16A



Supplementary Figure 16B



Supplementary Figure 16C



Supplementary Figure 16D

