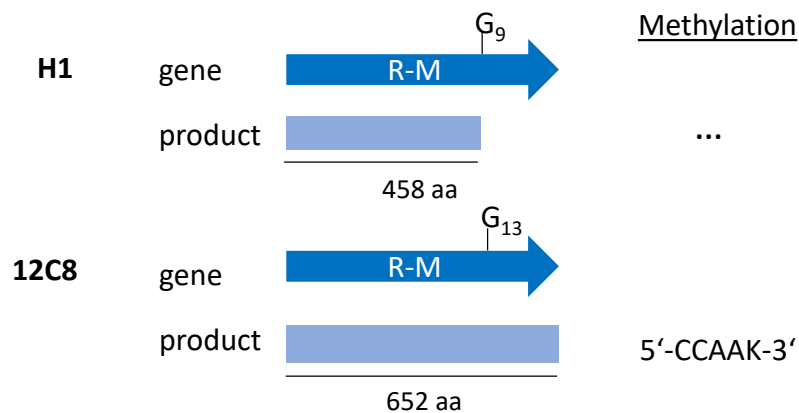


A)

Strain	H1-H16	8A3	8C10	12A3	12C8	29A2	29C8	48A2	48C8	78A3	78C8	81A1	81C9	87A3	87C7	103A4	103C8	119A2	119C10	125A3	125C7
G-tract	9	9	9	13	13	9	8	9	9	9	9	13	13	9	12	9	9	9	9	9	9



B)

Strain	H1-H16	8A3	8C10	12A3	12C8	29A2	29C8	48A2	48C8	78A3	78C8	81A1	81C9	87A3	87C7	103A4	103C8	119A2	119C10	125A3	125C7
G-tract	12	12	12	13	13	12	12	12	13	12	12	13	13	12	13	12	12	12	12	12	12

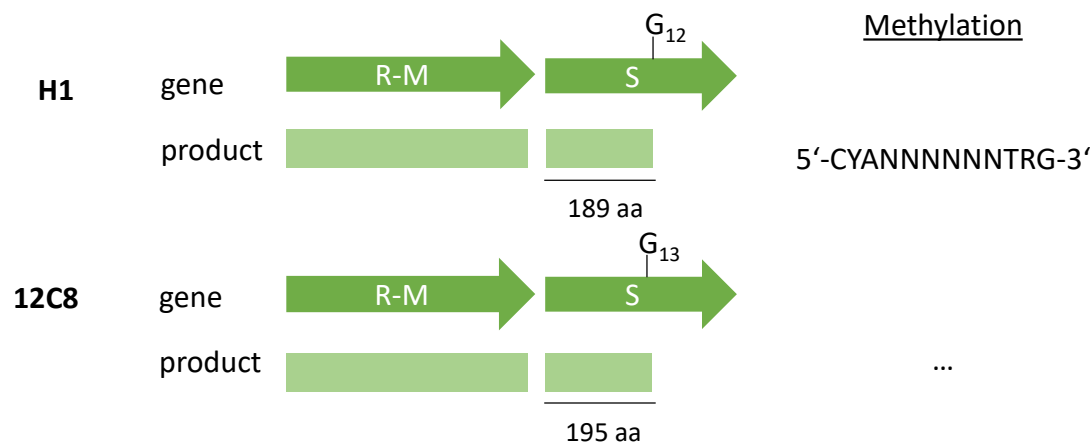


Figure S4. Number of nucleotides within the homopolymeric tracts of the phase-variable R-M systems and graphical representation. (a) R-M system methylating the motif CCAA_K. The reisolates with 13 Gs within the homopolymeric tract (highlighted in blue) have an active R-M system. (b) Graphical representation of the R-M system and the S subunit methylating CYANNNNNNTRG. The reisolates with 13 Gs within the homopolymeric tract do not have an active R-M system and therefore, the CYAN₆TRG motif is not methylated in those reisolates (green in the panel).