



Figure 7. Hypothetical Models for the Role of RNA Pol IV in RNAi-directed DNA and/or Histone H3 Methylation

(a) RNA pol IV transcribes methylated DNA; RdR2 synthesizes dsRNA using the RNA pol IV product. siRNAs then direct a methyltransferase complex to the chromosome. (b) RNA pol IV uses a dsRNA template synthesized by RdR2 to produce more ssRNA template.