



Figure S5. AGO4 binding specificity towards TEs in gene promoters is mediated by Pol V-produced lncRNAs. (A) AGO4 binding is dependent on Pol V. A scatterplot showing the log-odds of normalized ChIP-seq reads per million (RPM) values for Col-0 wild type (x-axis) and *nrpe1* (y-axis) versus *ago4* mutant plants. The dashed line indicates the value at which AGO4 binding can be described as Pol V partially dependent. The red, green, and blue dots indicate AGO4 peaks that are completely, partially, and not dependent on Pol V, respectively. (B-D) ChIP-real time PCR showing Pol V binding to AGO4 peaks. (B) Actin control and loci with the score of AGO4 binding ranking in the top 20%. (C) Loci with the score of AGO4 binding ranking in the middle 60%. (D) Loci with the score of AGO4 binding ranking in the bottom 20%. Bars represent averages from three independent amplifications. Error bars represent standard deviations.