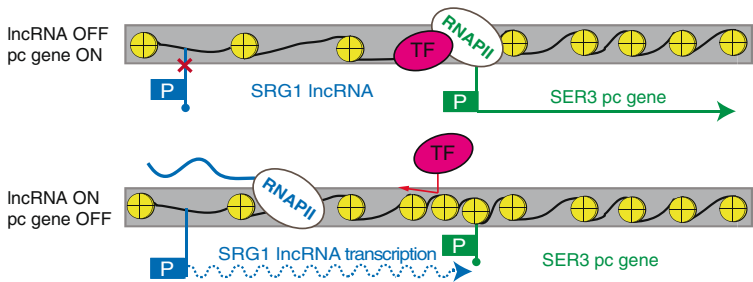
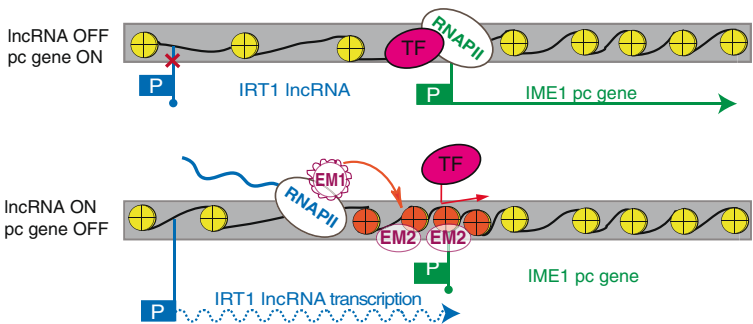


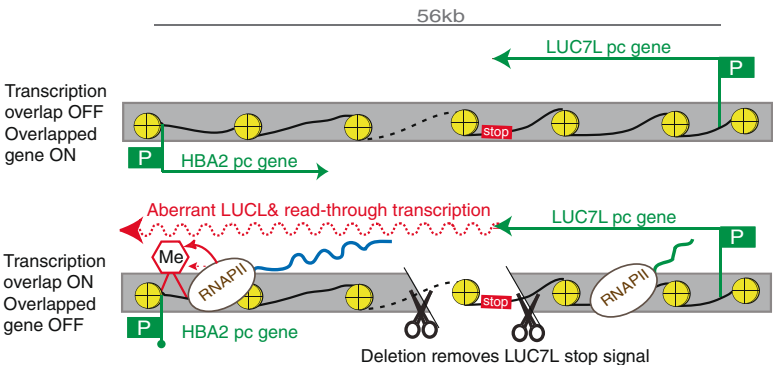
(a) LncRNA transcription causes increased nucleosome density (yeast)



(b) LncRNA transcription causes repressive histone modifications (yeast)



(c) Aberrant transcription recruits DNA methylation to overlapped promoter (human)



(d) Key

Inactive lncRNA promoter Silenced pc gene promoter

Transcription factors activating pc gene DNA methylation Nucleosome

Nucleosome with repressive histone modifications

Epigenetic modifiers travel with RNAPII and deposit H3K4me2 and H3K36me3

Epigenetic modifiers performing deacetylation