

Supplementary Table 4 Most significant GO terms associated with the two DNA motifs found in the LUR. BP = Biological Process; CC = Cellular Component; MF = Molecular Function.

Motif 1	Motif 2
Positive regulation of transcription from RNA polymerase II promoter (BP)	Transcription (BP)
Transcription (BP)	Negative regulation of transcription from RNA polymerase II promoter (BP)
Negative regulation of transcription from RNA Polymerase II promoter (BP)	-
Transcription factor complex (CC)	-
Transcription activator activity (MF)	-