

Evolution of the transcription pattern steepness over time

At a given time, the *hb* pattern is characterized by the snapshot proximal *hb* promoter's activity P_{bright} , which takes value of 0 if the nucleus has no active locus and 1 if the nucleus has an active locus at the given time. At a given position, P_{bright} has a mean value of P_{SPOT} (as described in the Main manuscript). We fit the values of P_{bright} along the AP axis with a sigmoid function and infer on the pattern steepness $H(t)$ as a function of time (S8 Fig) for each nuclear cycle.