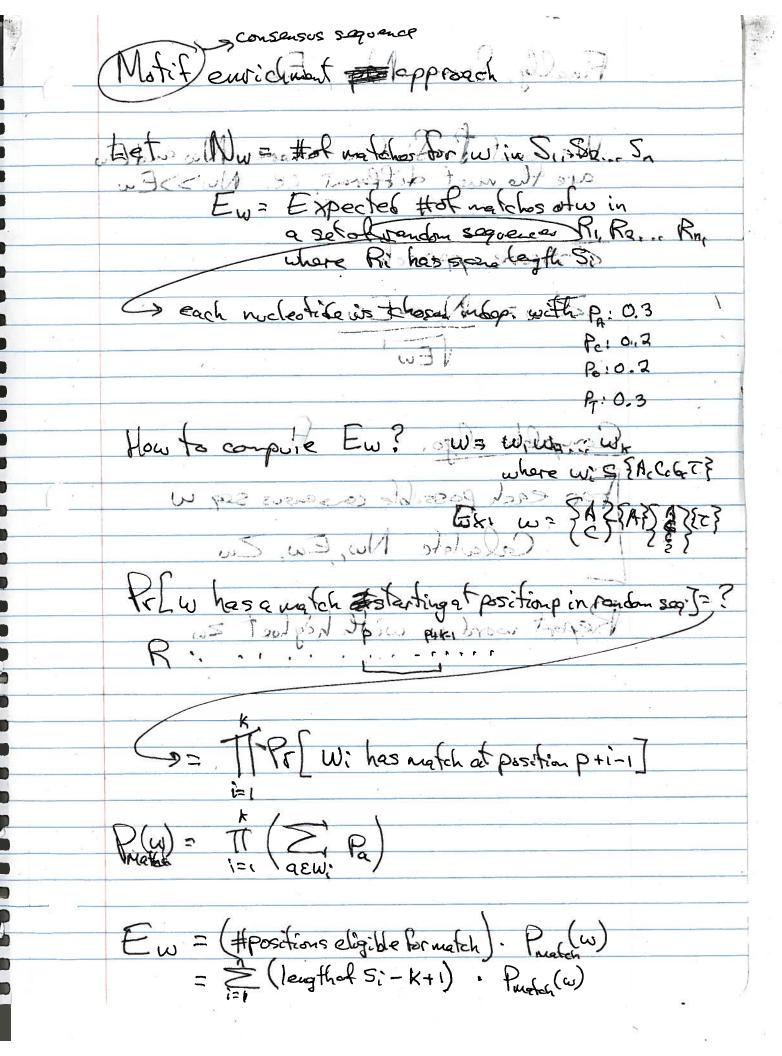


100-100,000 ChIP-sag oitcome: List of genonic regions (00-500) that are believed to be bound by TF Problem. Doesn't tell us which G-15 be regimishound Dan't boild consenses For PWM for TF Motif Discovery Problem
settlegt 60-500

Given: Set of sequences Si, Sa, ... Sn each
believed to contain binding site for TF Find: Consensus sequence for TF PWM Br TF Consous is soquence: Regular expression w= {A} {c} {A} {T} {A} How should we score a candidate consiseq waw, ...w. - w should occur in each of Si... Sn - D top strict: Some Si might be felse positives -> { [ ] [ ] .... } matches every when



Finally, from Na / Eles mo FiloM 2. We want to diad to rutare My and An Planant, i.c. NWSSEW 2 - Sporte approached E.O. 92 Ewal know Jos (-) complete algo, wit stugmes st wolf roc each possible consensus say w Calculate Nw. Ew. Zw Report word in with highest Zw - 1 Por William Control of pertion (9 5) The (W) 9 [ (a) = (Aposotions oligible for mole). P. (w)

= = (Isughich S; - K+1) . Party (w)