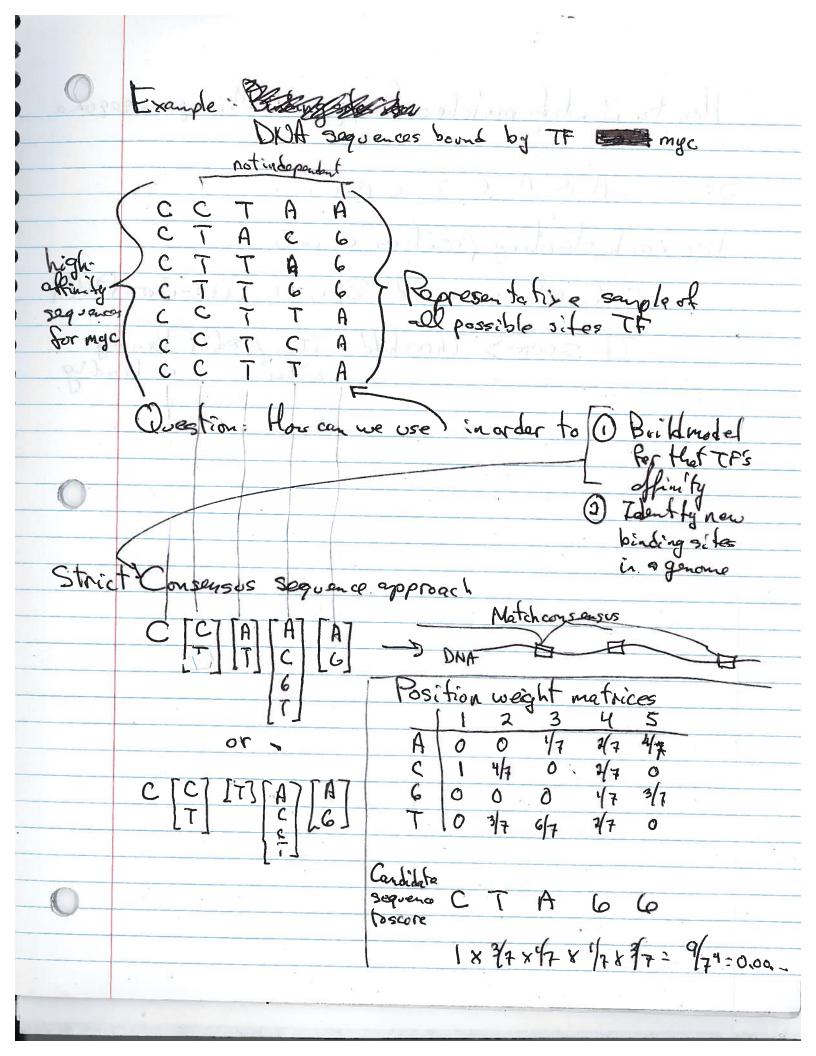


TFBS: 6-15 bp long E-box TFbind: CACGTG Some Heribily SPI TF: GGGCGGG in seq of bindsite CACETE: Higherfinity For E-box CATGTG: Moderate affinity - Rules that determine officity of TF TO DNA Determination of DNA sag officity for a given TF Protein Birding Micro-egray (PBM) # 10° probes DNA probes. * It will alla 6 to son probes, not foo ther Take picture of PBM Dinter offinity of TF to each probe intensity ACAGTA: 1000 AC66 TA:



How to identify matches long given PWM inaginer sequence ACNG TGACTT For each starting position i ins Calcalate soure of S[i,i+1,...i+5-i]on PWM If score > Threshold: then predict Binding other no binding