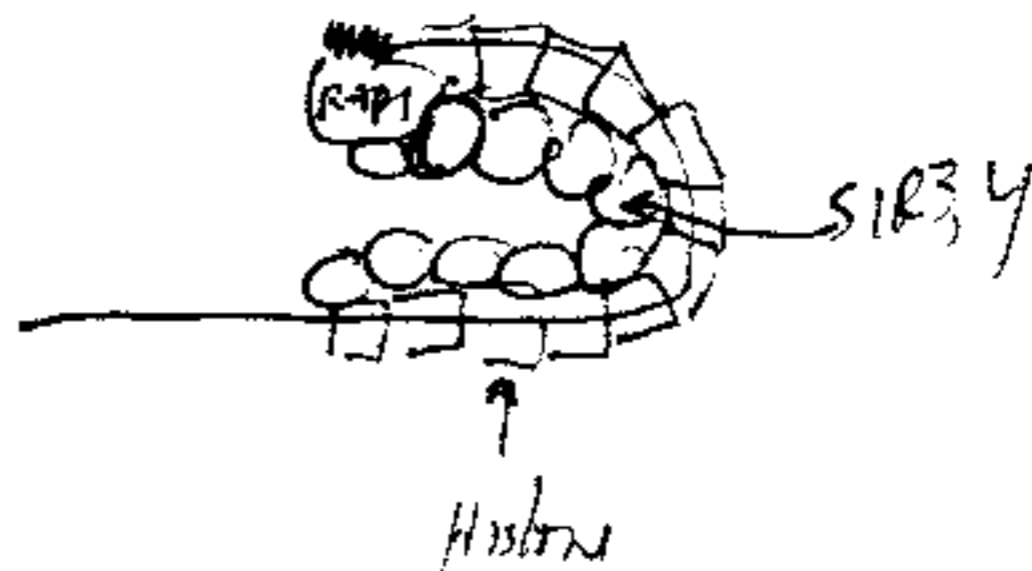
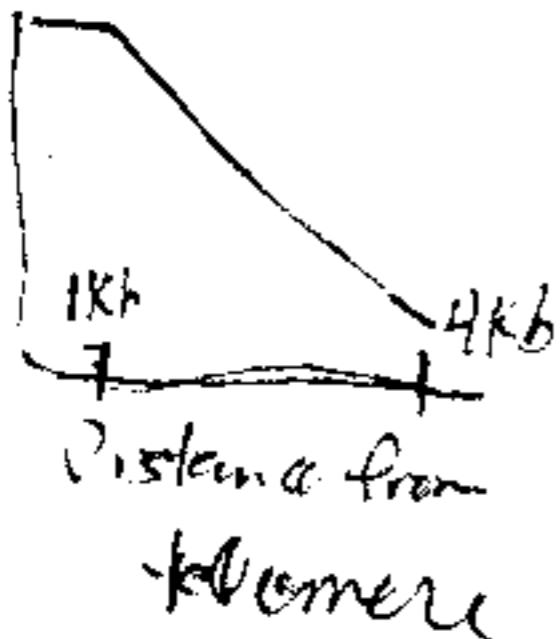


log fraction
of cells that
are FCAR



Suggests SIR3 is limiting

When overexpressed, silencing extends
further out.

Same set of proteins req'd for HML, HMR silencing

How Switch

STR1 = think it's important in maturation

STR2

STR3 = ONA2

STR4 = UBP1 ubiquitin hydrolase

16 genes in yeast in
family

STR5

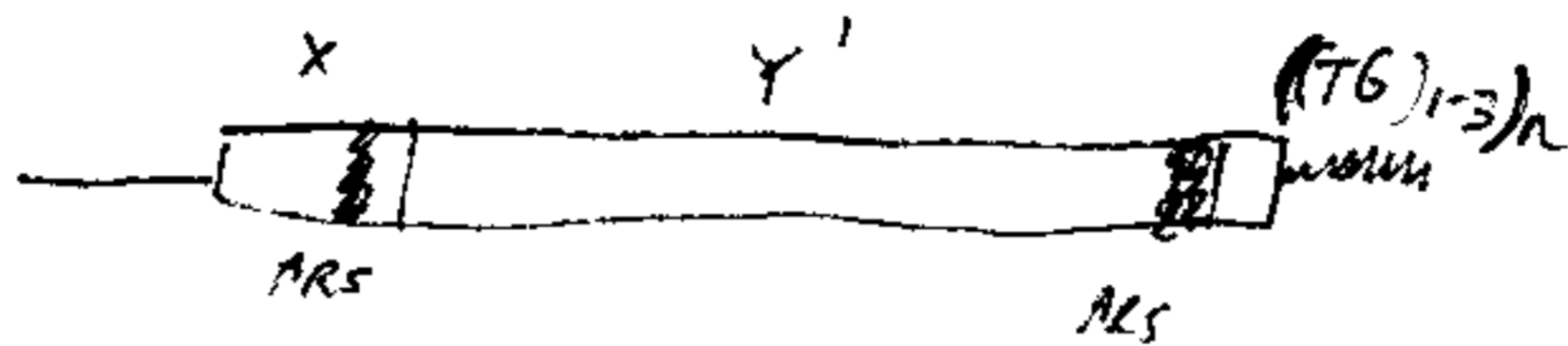
STR6 - myb-link

STR7 = RRP3 (RNA processing)

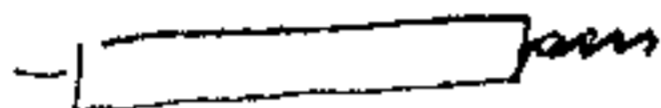
RPL32 = ribo prot 32



Don Gottschling



CAN PLACE GENES HERE



Positive + Negative Selection for Ura3

	- uracil	+ URA
Ura3 ⁻	-	+
Ura3 ⁺	+	-

What proteins are required for silencing?

RAP1 (binds TG(1-3))

Histones H3, H4 (specifically amino termini)

SIR2, SIR3, SIR4 (bind RAP1, recruit tails of H3, H4)

