

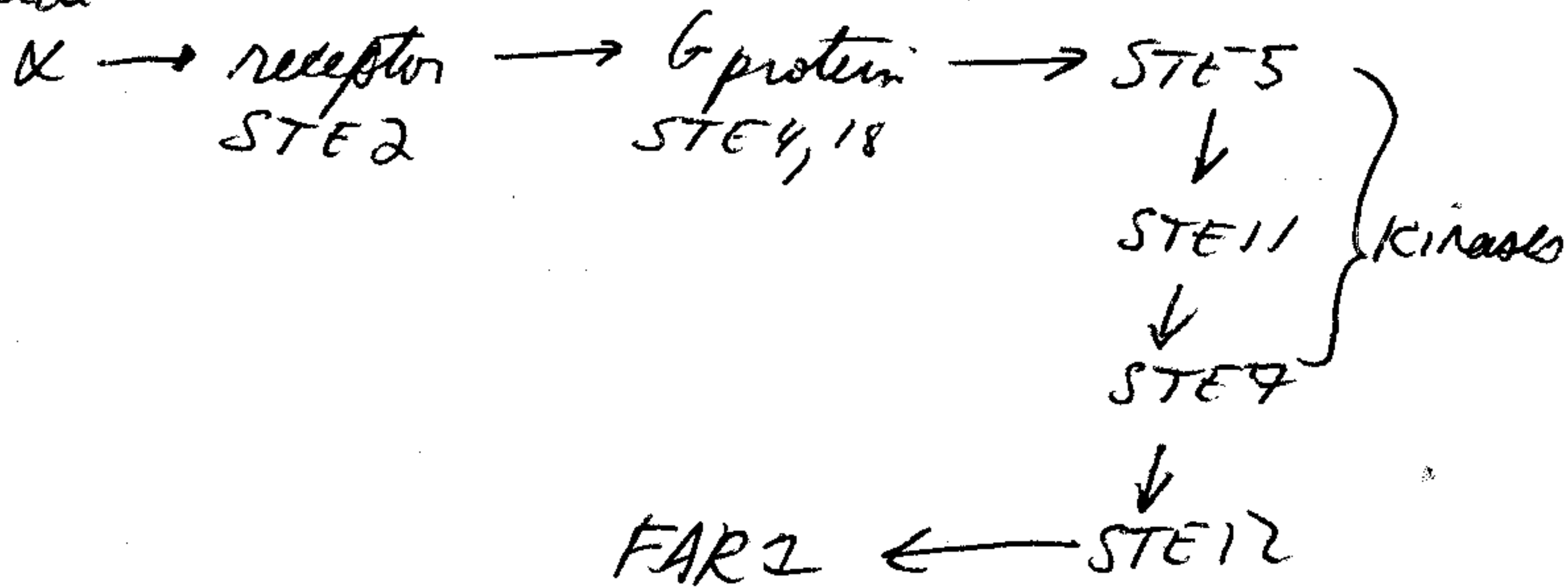
Yeast Mating Loci

3 cell types: a, α , $\frac{a}{\alpha}$

- α -factor causes a cell to undergo 3 changes

- ① block in G1
- ②
- ③

- Cascade



Division

α or a ○ → ♂ → ♂♂

AXIAL - suggests promotes formation of diploids after mating type interconversion

α/a ● → ♂ → ♀

BIPOLAR

Bud site selection: ^{RAO} Bud 1, 2, 3, 4, 5 ^{COG2}

Bud formation: COG24, 42, 43 BEM1 =

BEM1 = SH3 motifs
ALYD/F
DEL/F