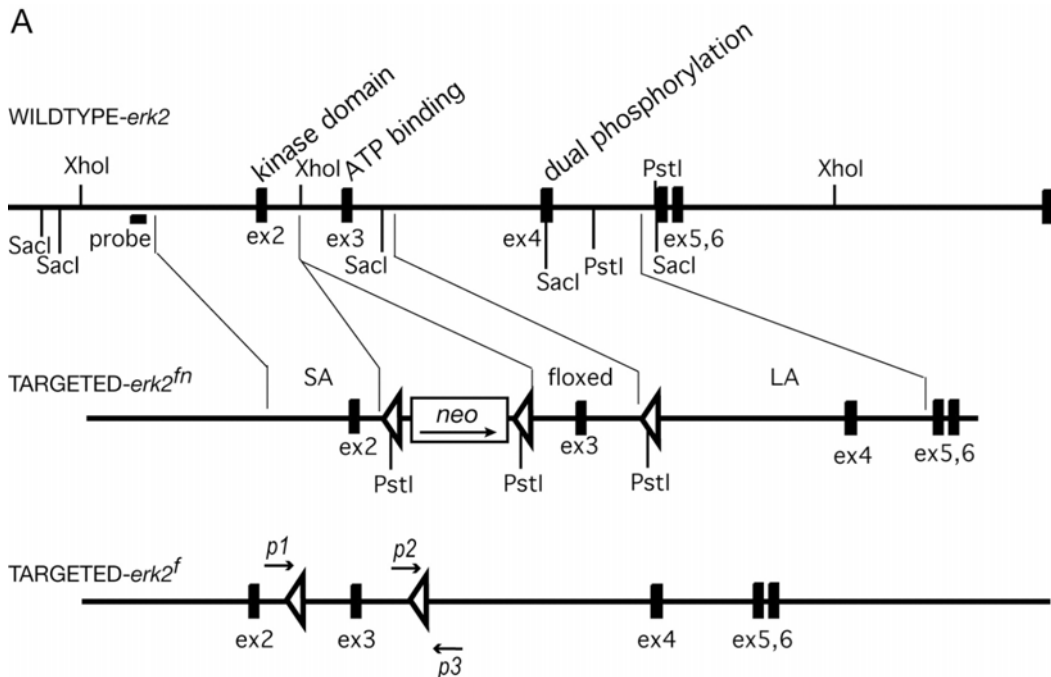


# ERK2



PCR conditions (per reaction):

2.5uL 10X PCR Buffer	40 cycles
1uL 100uM p1	95° for 25secs
1uL 100uM p2	60° for 30secs
1uL 100uM p3	72° for 45secs
1uL 25mM MgCl <sub>2</sub>	<u>end cycle</u>
0.5uL 2.5mM dNTPs	72° for 30secs
0.25uL TAQ	25° for 30secs
Add dH <sub>2</sub> O up to 25uL	

Primers and Products:

p1: TAG CAG GTG GAT ATC TAA GC  
 p2: ACA CAG TAT GAG TCT CAT TCC  
 p3: GAA CTT ACT ATG CAC ATC AGG

For typing-Use p2 and p3

WT Band: 295bp  
 Floxed Band: 432bp

To analyze deletion-Use p1,p2 and p3

Floxed allele: 432bp  
 Deleted band:298bp