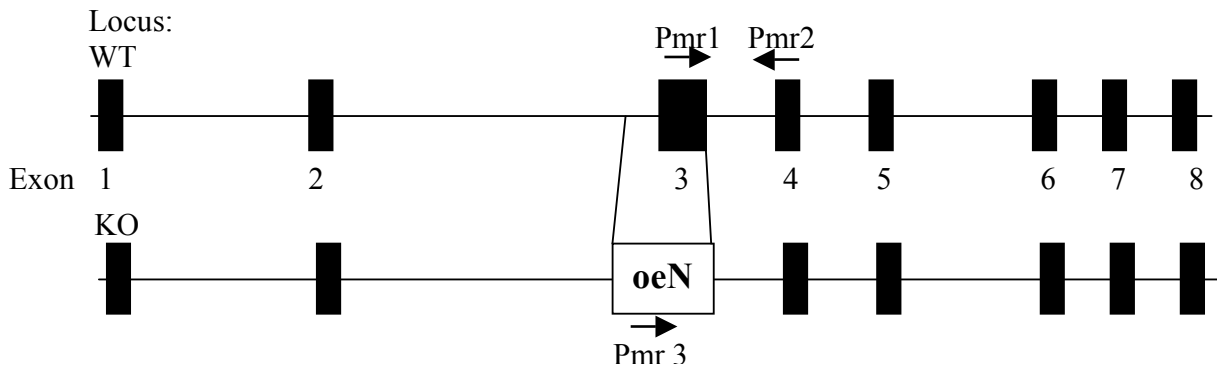


ERK1



PCR conditions (per reaction):

2.5uL 10X PCR Buffer	<u>40 cycles</u>
1uL 100uM primer 1	95° for 25secs
1uL 100uM primer 2	64° for 30secs
1uL 100uM primer 3	72° for 45secs
1uL 25mM MgCl ₂	<u>end cycle</u>
0.5uL 2.5mM dNTPs	72° for 30secs
0.25uL TAQ	25° for 30secs
Add dH ₂ O up to 25uL	

Primers and Products:

Primer1: CCA ATC TGC TTA TCA ACA CCA CCT GC

Primer2: ACA TGG GAA ACT CTC CTA CCT TG

Primer3: CCG CTT CCA TTG CTC AGC GG

WT Band: 345bp

KO Band: 600bp