



FRED HUTCHINSON  
CANCER RESEARCH CENTER  
**SCIENCE  
EDUCATION  
PARTNERSHIP**

## **MUSSEL ALLELE PCR**

### **Reaction Mix-** primers: Me15/Me16

Flexi Buffer (5X)

MgCl<sub>2</sub> (25mM) - final 2.5 mM

dNTPs (10 mM) – final 0.2 mM

Forward primer (10μM) – final 0.2 μM

Reverse primer (10μM) – final 0.2 μM

NEB Taq (5u/μl) – final 1.25 u

Water

DNA (5 μl/PCR rxn.)

50 μl total

### **PCR program**

#### **Me**

94°C-3'

95°C-15"

**54°C-40"** X 30

72°C-1'

72°C-5'

4°C-infinity