

### PCR Sirt3

Use ~100 ng Template DNA for PCR in a 25ul volume reaction.

#### **Primers**

PCALL2-1 F: GGATCCACTAGTTCTAGCTAG

mSIRT3 R1: CAACATGAAAAAGCGCTTGGG

***Products in one-pot reaction: one band between 250 and 500bp***

PCR Cycles:

Step 1: 2 min 95°C

Step 2: 30 sec 95°C

Step 3: 50 sec 58°C

Step 4: 40 sec 72°C

back to Step 2, 35cycles

Step 8: 5 min 72°C

4°C ∞

PCR reaction:

<b>Master mix for one gene:</b>	$\mu\text{L}$	
PCR buffer 10x	2.5	
50mM MgCl	0.75	
dNTP	0.5	
Primer mix (10 $\mu\text{M}$ )	1	
Taq	0.2	
Autoclaved MQ H2O	18.05	
		<b>TOTAL</b>
DNA	2	<b>25</b>