

Table S2: The PCR thermal cycling conditions (T100 Thermal Cycler, BioRad).

	Cycling step	Temperature, °C	Time	Ramp rate	No of cycles
Sirt1	Enzyme activation	95	10 min	2°C/sec	1
	Denaturation	94	30 sec		45
	Annealing/extension	58	1 min		45
	Enzyme deactivation	98	10 min		1
	Hold	4	Infinite		1
Sirt2	Enzyme activation	95	10 min	2°C/sec	1
	Denaturation	94	30 sec		45
	Annealing/extension	58	1 min		45
	Enzyme deactivation	98	10 min		1
	Hold	4	Infinite		1
Sirt3	Enzyme activation	95	10 min	2°C/sec	1
	Denaturation	94	30 sec		45
	Annealing/extension	58	1 min		45
	Enzyme deactivation	98	10 min		1
	Hold	4	Infinite		1
Sirt4	Enzyme activation	95	10 min	2°C/sec	1
	Denaturation	94	30 sec		45
	Annealing/extension	58	1 min		45
	Enzyme deactivation	98	10 min		1
	Hold	4	Infinite		1
Sirt5	Enzyme activation	95	10 min	2°C/sec	1
	Denaturation	94	30 sec		45
	Annealing/extension	58	1 min		45
	Enzyme deactivation	98	10 min		1
	Hold	4	Infinite		1
Sirt6	Enzyme activation	95	10 min	1°C/sec	1
	Denaturation	94	30 sec		50
	Annealing/extension	58	1 min		50
	Enzyme deactivation	98	10 min		1
	Hold	4	Infinite		1
Sirt7	Enzyme activation	95	10 min	2°C/sec	1
	Denaturation	94	30 sec		50
	Annealing/extension	60	1 min		50
	Enzyme deactivation	98	10 min		1
	Hold	4	Infinite		1