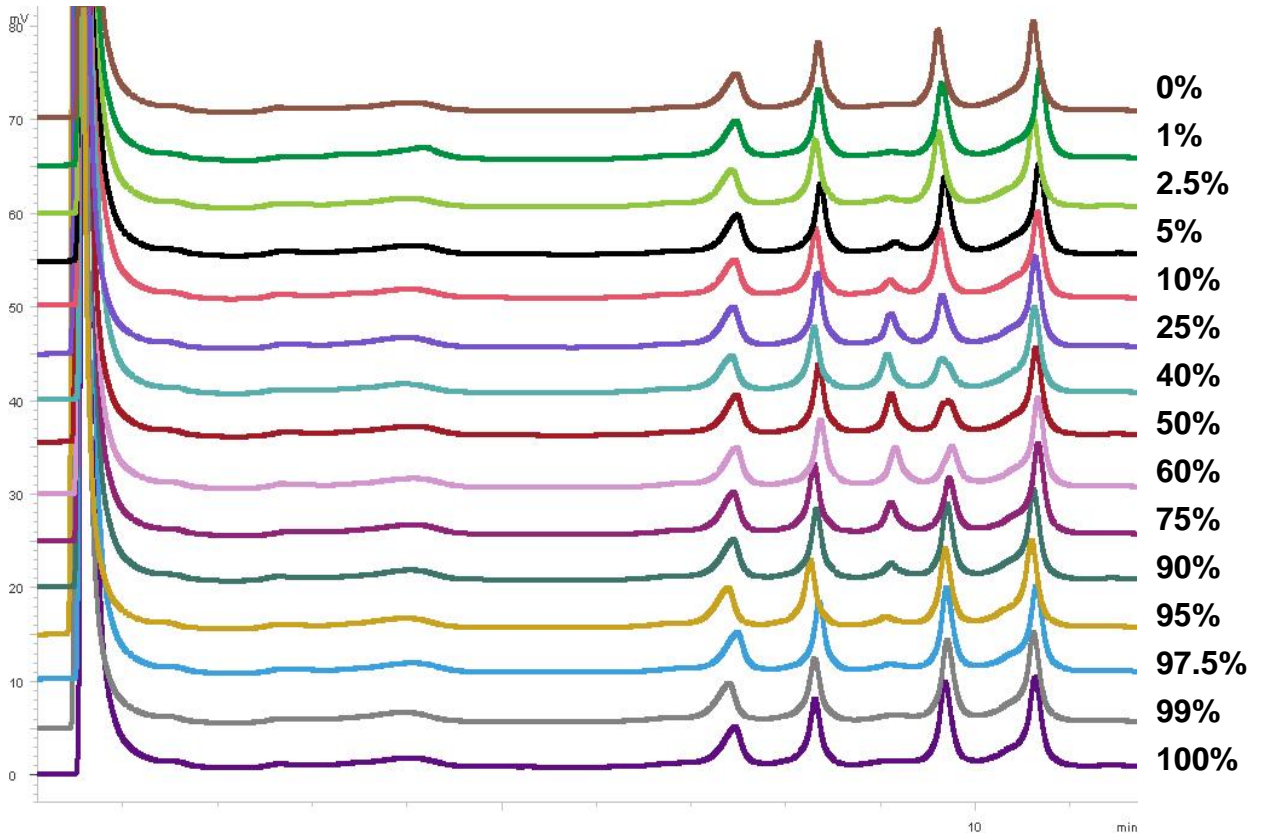


## A3243G Mutation

Figure 1 DHPLC profiles of 0%-100% A3243G mutations at the optimized DHPLC temperature.



### DHPLC Gradient

Step	Time	%A	%B
Loading	0	60	40
Start Gradient	0.1	55	45
Stop Gradient	11.1	33	67
Start Clean	11.2	0	0
Stop Clean	12.2	0	0
Start Equilibrate	12.3	60	40
Stop Equilibrate	14.8	60	40

Optimum Temperature: 59 °C

## PCR condition

PCR was performed in 70  $\mu\text{L}$  Optimase reaction buffer containing 150 ng total cellular DNA, 200  $\mu\text{mol/L}$  of each dNTP, 21 pmol of the forward and reverse primer, and 3.5 units Optimase DNA polymerase (Transgenomic).

The conditions for PCR were as follows: 95°C for 2 min; 35 cycles of 95°C for 30 s, 56°C for 30 s, and 72°C for 3 min; and a final extension step of 72°C for 5 min.