

wsp wMel AF020064.1 10 20 30 40 50
 ARwP Mel-amplicon
 wsp wPip AF301010

A	G	T	G	A	T	G	A	G	A	A	A	C	G	G	T	G	A	A	T				
A	G	T	G	A	G	A	A	A	C	T	A	G	T	T	C	G	T	T	G	C	A	A	T
T	A	G	C	T	A	T	G	T	A	C	T	G	T	T	C	G	T	T	G	C	A	A	T
T	T	A	C	C	T	C	T	T	C	A	C	A	A	G	T	G	A	T	G	G	G	A	T
T	T	A	C	C	T	C	T	T	C	A	C	A	A	G	T	G	A	T	G	G	G	A	T
T	T	A	C	C	T	T	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A

wsp wMel AF020064.1 60 70 80 90 100
 ARwP Mel-amplicon
 wsp wPip AF301010

T	T	A	C	C	T	C	T	T	C	A	C	A	A	G	T	G	A	A	G	A	C	A	A	G
T	T	A	C	C	T	C	T	T	C	A	C	A	A	G	T	G	A	A	G	A	C	A	A	G
T	T	A	C	C	T	T	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G
T	T	A	C	C	T	T	T	T	C	A	C	A	A	G	T	G	A	A	A	A	A	A	A	G
T	T	A	C	C	T	T	T	T	C	A	C	A	A	G	T	G	A	A	A	A	A	A	A	G

wsp wMel AF020064.1 110 120 130 140 150
 ARwP Mel-amplicon
 wsp wPip AF301010

G	T	G	A	T	T	A	C	G	T	C	C	A	T	T	A	A	C	A	G	A	A	G	A	A	G	
G	T	G	A	T	T	A	C	G	T	C	C	A	T	T	A	T	A	G	T	G	G	T	G	C	A	T
T	G	A	T	T	A	C	G	T	C	C	A	T	T	A	T	A	G	T	G	G	T	G	T	C	A	T
A	G	T	T	C	A	T	G	A	T	C	C	A	T	T	A	T	A	G	C	T	G	C	A	T	T	T
G	T	G	A	T	T	A	C	G	T	C	C	A	T	T	A	T	A	G	C	T	G	C	A	T	T	T
G	T	G	A	T	T	A	C	G	T	C	C	A	T	T	A	T	A	G	C	T	G	C	A	T	T	T

primer 308F →

wsp wMel AF020064.1 160 170 180 190 200
 ARwP Mel-amplicon
 wsp wPip AF301010

G	G	T	T	A	C	A	A	A	T	G	G	A	C	G	A	C	A	A	G	A	G	T	T	A	T	T	C	A	T	A													
G	G	T	T	A	C	A	A	A	T	G	G	A	C	G	A	C	A	A	G	A	G	G	G	T	T	A	T	T	C	A	T	A											
G	G	T	T	A	T	A	A	A	T	G	G	A	C	G	A	T	A	T	G	G	A	G	G	C	T	T	A	C	T	C	A	C	A										
G	G	T	T	A	C	A	A	A	A	T	G	G	A	C	G	A	C	A	A	G	G	G	G	G	T	T	A	T	T	C	A	T	A										
G	G	T	T	A	C	A	A	A	A	T	G	G	A	C	G	A	C	A	A	G	G	G	G	G	T	T	A	T	T	C	A	T	A										
G	G	T	T	A	C	A	A	A	A	T	G	G	A	C	G	A	C	A	A	G	G	G	G	G	T	T	A	T	T	C	A	T	A										

wsp wMel AF020064.1 210 220 230 240 250
 ARwP Mel-amplicon
 wsp wPip AF301010

C	C	T	A	A	A	C	A	A	A	T	G	A	T	T	A	G	A	C	T	C	A	C	A	A	A	T	A	C	T	A	C	A	T	A									
C	C	T	A	A	A	C	A	A	A	T	G	A	T	T	A	G	A	C	T	C	A	C	A	A	A	T	A	C	T	A	C	A	T	A									
A	C	T	A	A	A	C	A	A	A	C	G	A	C	T	T	A	G	C	A	T	C	A	C	A	A	A	T	C	A	C	A	T	A										
A	C	T	A	A	A	C	A	A	A	C	G	A	C	T	T	A	G	C	A	T	C	A	C	A	A	A	T	C	A	C	A	T	A										
A	C	T	A	A	A	C	A	A	A	C	G	A	C	T	T	A	G	C	A	T	C	A	C	A	A	A	T	C	A	C	A	T	A										
A	C	T	A	A	A	C	A	A	A	C	G	A	C	T	T	A	G	C	A	T	C	A	C	A	A	A	T	C	A	C	A	T	A										

wsp wMel AF020064.1 260 270 280 290 300
 ARwP Mel-amplicon
 wsp wPip AF301010

T	T	G	C	A	G	A	C	T	G	T	A	A	C	G	A	C	T	C	G	T	G	T	A	T	A	C	G	A	T	C	G	A	T	A										
T	T	G	C	A	G	A	C	T	G	T	A	A	C	G	A	C	T	C	G	T	G	T	A	T	A	C	G	A	T	C	G	A	T	A										
T	T	G	C	A	G	A	C	T	G	T	A	A	C	G	A	C	T	C	G	T	G	T	A	T	A	C	G	A	T	C	G	A	T	A										
T	T	G	C	A	G	A	C	T	G	T	A	A	C	G	A	C	T	C	G	T	G	T	A	T	A	C	G	A	T	C	G	A	T	A										
T	T	G	C	A	G	A	C	T	G	T	A	A	C	G	A	C	T	C	G	T	G	T	A	T	A	C	G	A	T	C	G	A	T	A										
T	T	G	C	A	G	A	C	T	G	T	A	A	C	G	A	C	T	C	G	T	G	T	A	T	A	C	G	A	T	C	G	A	T	A										

wsp wMel AF020064.1 310 320 330 340 350
 ARwP Mel-amplicon
 wsp wPip AF301010

A	T	A	G	C	A	T	T	G	A	A	G	A	T	T	G	C	C	C	G	T	G	T	T	G	G	T	T	G	G	T	T	G	G	T	T	G									
A	T	A	G	C	A	T	T	G	A	A	G	A	T	T	G	C	C	C	G	T	G	T	T	G	G	T	T	G	G	T	T	G	G	T	T	G									
A	T	A	G	C	A	T	T	G	A	A	G	A	T	T	G	C	C	C	G	T	G	T	T	G	G	T	T	G	G	T	T	G	G	T	T	G									
A	T	A	G	C	A	T	T	G	A	A	G	A	T	T	G	C	C	C	G	T	G	T	T	G	G	T	T	G	G	T	T	G	G	T	T	G									
A	T	A	G	C	A	T	T	G	A	A	G	A	T	T	G	C	C	C	G	T	G	T	T	G	G	T	T	G	G	T	T	G	G	T	T	G									
A	T	A	G	C	A	T	T	G	A	A	G	A	T	T	G	C	C	C	G	T	G	T	T	G	G	T	T	G	G	T	T	G	G	T	T	G									

← primer QRev2

wsp wMel AF020064.1 360 370 380 390 400
 ARwP Mel-amplicon
 wsp wPip AF301010

T	G	C	A	G	C	T	A	T	T	A	G	C	A	T	T	G	G	A	C	C	G	T	G	T	G	T	G	T	G	T	G	T	G	T	G	T	G								
T	G	C	A	G	C	T	A	T	T	A	G	C	A	T	T	G	G	A	C	C	G	T	G	T	G	T	G	T	G	T	G	T	G	T	G	T	G								
T	G	C	A	G	C	T	A	T	T	A	G	C	A	T	T	G	G	A	C	C	G	T	G	T	G	T	G	T	G	T	G	T	G	T	G	T	G								
T	G	C	A	G	C	T	A	T	T	A	G	C	A	T	T	G	G	A	C	C	G	T	G	T	G	T	G	T	G	T	G	T	G	T	G	T	G								
T	G	C	A	G	C	T	A	T	T	A	G	C	A	T	T	G	G	A	C	C	G	T	G	T	G	T	G	T	G	T	G	T	G	T	G	T	G								
T	G	C	A	G	C	T	A	T	T	A	G	C	A	T	T	G	G	A	C	C	G	T	G	T	G	T	G	T	G	T	G	T	G	T	G	T	G								

wsp wMel AF020064.1 410 420 430 440 450
 ARwP Mel-amplicon
 wsp wPip AF301010

G	T	A	A	T	T	T	G	G	T	G	G	Y	C	A	G	T	A	A	G	C	T	G	T	T	G	T	T	G	T	G	T	A	T	G	T	G									
G	T	A	A	T	T	T	G	G	T	G	G	T	C	A	G	T	A	A	G	C	T	G	T	T	G	T	T	G	T	G	T	A	T	G	T	G									
G	T	A	A	T	T	T	G	G	T	G	G	T	C	A	G	T	A	A	G	C	T	G	T	T	G	T	T	G	T	G	T	A	T	G	T	G									
G	T	A	A	T	T	T	G	G	T	G	G	T	C	A	G	T	A	A	G	C	T	G	T	T	G	T	T	G	T	G	T	A	T	G	T	G									
G	T	A	A	T	T	T	G	G	T	G	G	T	C	A	G	T	A	A	G	C	T	G	T	T	G	T	T	G	T	G	T	A	T	G	T	G									
G	T	A	A	T	T	T	G	G	T	G	G	T	C	A	G	T	A	A	G	C	T	G	T	T	G	T	T	G	T	G	T	A	T	G	T	G									

wsp wMel AF020064.1 460 470 480 490 500
 ARwP Mel-amplicon
 wsp wPip AF301010

A	C	T	C	A	G	A	T	T	G	G	A	A	A	C	A	G	T	C	C	T	A	A	A	T	T	C	G	G	A	C	A	G	A	T	T	G	G
A	C	T	C	A	G	A	T	T	G	G	A	A	A	C	A	G	T	C	C	T	A	A	A	T	T	C	G	G	A	C	A	G	A	T	T	G	G
A	C	T	C	A	G	A	T	T	G	G	A	A	A	C	A	G	T	C	C	T	A	A	A	T	T	C	G	G	A	C	A	G	A	T	T	G	G
A	C	T	C	A	G	A	T	T	G	G	A	A	A	C	A	G	T	C	C	T	A	A	A	T	T	C	G	G	A	C	A	G	A	T	T	G	G
A	C	T	C	A	G	A	T	T	G	G	A	A	A	C	A	G	T	C	C	T	A	A	A	T	T	C	G	G	A	C	A	G	A	T	T	G	G
A	C	T	C	A	G	A	T	T	G	G	A	A	A	C	A	G	T	C	C	T	A	A	A	T	T	C	G	G	A	C	A	G	A</				