Figure 4.1 Data processing steps starting with the raw image
Figure 4.2 (A) A scanned image with a few blemishes like speckles and a nonuniform background and a few spots that show (B) high contrast background effects and (C) defective spots.
Figure 4.3 Microarray graph
Figure 4.4 Image quality graph

Row profile

Col profile

High and Low

p-val = 0.116

1 1.3 1.6 1.9 2.4 2.9
Figure 4.5 Quality control graph
Figure 4.6  Image graph of background showing the row and column medians (on left) and an image plot of the background (on right)
Figure 4.7 Scatterplots of signal versus background before and after local smoothing
Figure 4.8  Image graph of locally smoothed background showing the row and column medians (on left) and an image plot of the smoothed background (on right)