Hybridization procedures and parameters

Cy3 and Cy5-labeled cDNA pairs and Agilent control spots were added to a final volume of 0.5ml hybridization buffer (1 M NaCl, 0.5% sodium sarcosine, 50 mM methyl ethane sulfonate (MES), pH 6.5, 33% formamide and 40 μg salmon sperm DNA).

Hybridizations were performed in Agilent hybridization chambers at 42°C with rotation for 18-24 hours.

Slides were washed for 30s in 6X SSPE, 0.005% sarcosine, followed by 30s. in 0.06X SSPE, allowed to dry and scanned with a 4000A microarray scanner (Axon Instruments).