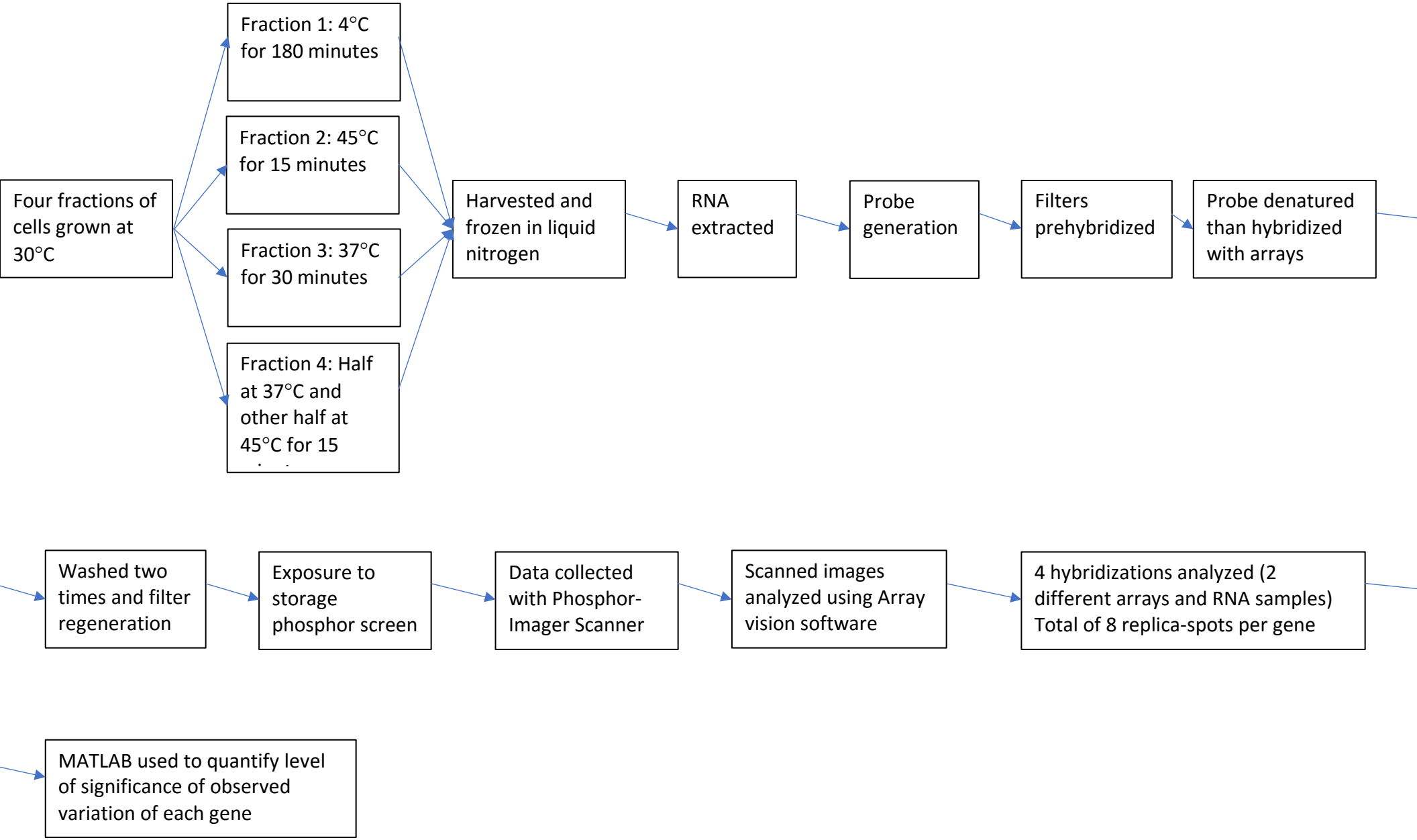
Four fractions of cells grown at 30°C
Fraction 1: 4°C for 180 minutes
Fraction 2: 45°C for 15 minutes
Fraction 3: 37°C for 30 minutes
Fraction 4: Half at 37°C and other half at 45°C for 15
Harvested and frozen in liquid nitrogen
RNA extracted
Probe generation
Filters prehybridized
Probe denatured than hybridized with arrays
Washed two times and filter regeneration
Exposure to storage phosphor screen
Data collected with Phosphor-Imager Scanner
Scanned images analyzed using Array vision software
4 hybridizations analyzed (2 different arrays and RNA samples) Total of 8 replica-spots per gene
MATLAB used to quantify level of significance of observed variation of each gene