Step 1: Significant Differential Expression Filtering		Experiment 1 Experiment 2 45,101 45,101	
Α	<ul> <li>1a Change p-value must be &lt;= .002 OR &gt;= .998</li> <li>1b Differential expression must be &gt; 4-fold OR &gt; 2-fold change</li> </ul>	<ul> <li>↓ ↓</li> <li>Is expression above detection threshold? → No</li> <li>↓ Yes ↓</li> <li>Is the transcript → No differentially expressed?</li> <li>↓ Yes ↓</li> </ul>	B (7982 (4439 (2469 (2469 (2469) (2642)
		4-fold: 2,469 4-fold: 2,642 2-fold: 7,982 2-fold: 8,076	2142
	<ul> <li>2a Each probe set must have passed Step 1 in both expts</li> <li>2b Euclidean distance between replicate profiles is &lt;= 1.4</li> <li>2c Pearson's Correlation between replicate profiles is &gt;= .76</li> </ul>	$\begin{array}{c c} & & \downarrow \\ & & \\ Significant in both \\ experiments? \longrightarrow No \\ & & \\ &$	
;	Step 3: Cluster Analysis	4-fold: 395 2-fold: 2,142	
	<ul> <li>3a Figure of Merit Analysis</li> <li>3b Consensus Clustering</li> </ul>	↓ Which clustering algorithm and how many clusters are optimal? ↓ Do the expression profiles cluster consistently in both experiments? ↓ ¥ Yes ↓ → No	
4-fold: 361; 47 clusters			

<sup>4-</sup>told: 361; 47 clusters 2-fold: 2,025; 140 clusters