

A

Amount hybridized	1000ng	500ng	250ng	100ng	50ng
Transcripts well above background	5254	5288	5219	5271	5199
Percentage of unique transcripts represented	91.3%	91.9%	90.7%	91.6%	90.4%

Average number of transcripts (n=3) with gene signal intensities called “Well above Background”.

B

		Pearson's r of mean Cy3 intensity				
		1000ng	500ng	250ng	100ng	50ng
Pearson's r of mean Cy5 intensity	1000ng		0.977	0.974	0.964	0.825
	500ng	0.964		0.987	0.977	0.846
	250ng	0.976	0.974		0.997	0.903
	100ng	0.973	0.961	0.998		0.930
	50ng	0.873	0.822	0.916	0.936	

Correlation of signal intensity across a self-hybridization dilution series . Pearson's coefficients of correlation between diminishing amounts of self-hybridized cDNA pools for Cy5 (bottom left) and Cy3 (top right) mean signal intensity (n=3) for 4810 genes.