3’-bias effect of dT-based priming:
Decaying Signals, Stable Ratios over ~1kb
3’-bias effect of dT-based priming with **Low Quality RNAs**
Decaying Signals, **Unstable** Ratios over ~1kb

![Graph showing Cy5/Cy3 Ratio (log-base2) for mouse heart and mouse lung](image)

- **Cy5** Intensity (log-base2)
- **Cy3** Intensity (log-base2)
- **Cy5/Cy3 Ratio (log-base2)**

**mouse heart**

**mouse lung**

3’ 5’ GAPDH 3’ 5’ GAPDH
3'-bias effect of dT-based priming:
How far can you go?
Decaying Signals, Unstable Ratios after ~1kb

mouse spleen

mouse brain

Talin 1:
113 exons,
mRNA ~8200bp,
protein ~270 kD
Rescuing 3’-bias with random priming (pdN6): Variable Signals, Stablized Ratios

Talin 1:
113 exons,
mRNA ~8200bp,
protein ~270 kD