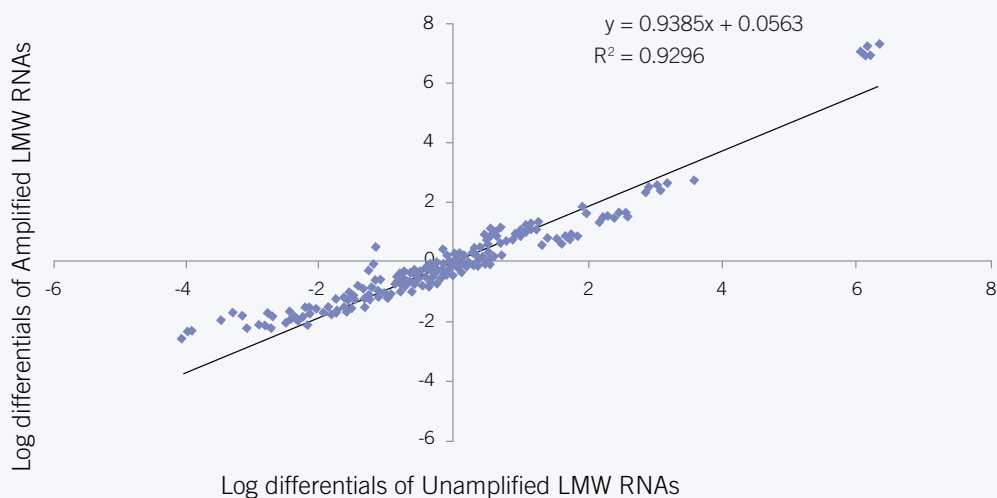


The most accurate linear amplification kit for low molecular weight RNA samples

(piRNA, miRNA, snRNA, hnRNA, etc.)

Rat Brain and Liver Total RNA were enriched for LMW RNAs with YM-100 columns (Millipore®). The LMW RNA enriched from 1ug total was amplified with the SenseAMP Plus LMW™ kit. 250ng of these amplified RNAs were labeled with FlashTag™, and hybridized to NCode™ microarrays (Invitrogen). Parallel labeling reactions were run with the LMW RNA from 0.75ug Total RNA (no RNA amplification). The Brain/Liver differentials were compared:

Analysis of Amplified LMW RNAs vs. Unamplified LMW RNAs



- **Higher Fidelity Amplification**

The differential expression patterns of unamplified and amplified LMW RNAs show high correlation ($R^2 = 0.9296$).

- **Excellent Reproducibility**

Parallel amplification reactions of the same LMW RNA sample have a high correlation coefficient ($R^2 = 0.9884$).

- **Low requirements of input LMW RNA.**

Only 1 - 30ng of input LMW RNA is required for SenseAMP Plus amplification.

SenseAMP Plus LMW Catalog Numbers	Number of Assays
RAMP110MIR	10
RAMP120MIR	20

To Order:

Genisphere Inc.

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Hatfield, PA 19440

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or 215.996.3002

Fax: 877.FAX.3DNA

or 215.996.3070

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