A

Sense RNA

Transcribed Sequence

T3/T7/SP6

Antisense RNA

IVT

Labeling

Incubation

Overlaid

Analysis
1. Z-Score ≥ 3.0
2. Signal 2.5 > background

Control Alexa Fluor Antibody Spots
- Sense RNA Specific
- Antisense RNA Specific
- Sense and Antisense RNA Specific

B

Human ProtoArray Microarray

22x22 Spot Subarray #34, Overlay

C

HRAS sense rep. 1
[Fold signal over background]

HRAS sense rep. 2
[Fold signal over background]

r² = 0.869

D

RNA binding signal distribution (TP53 sense)

E

Replicate 1 (30)

Replicate 2 (24)