

Supporting information

**xMAP array microspheres-based stem–loop structured probes
as conformational switches for multiplexing detection of
miRNAs**

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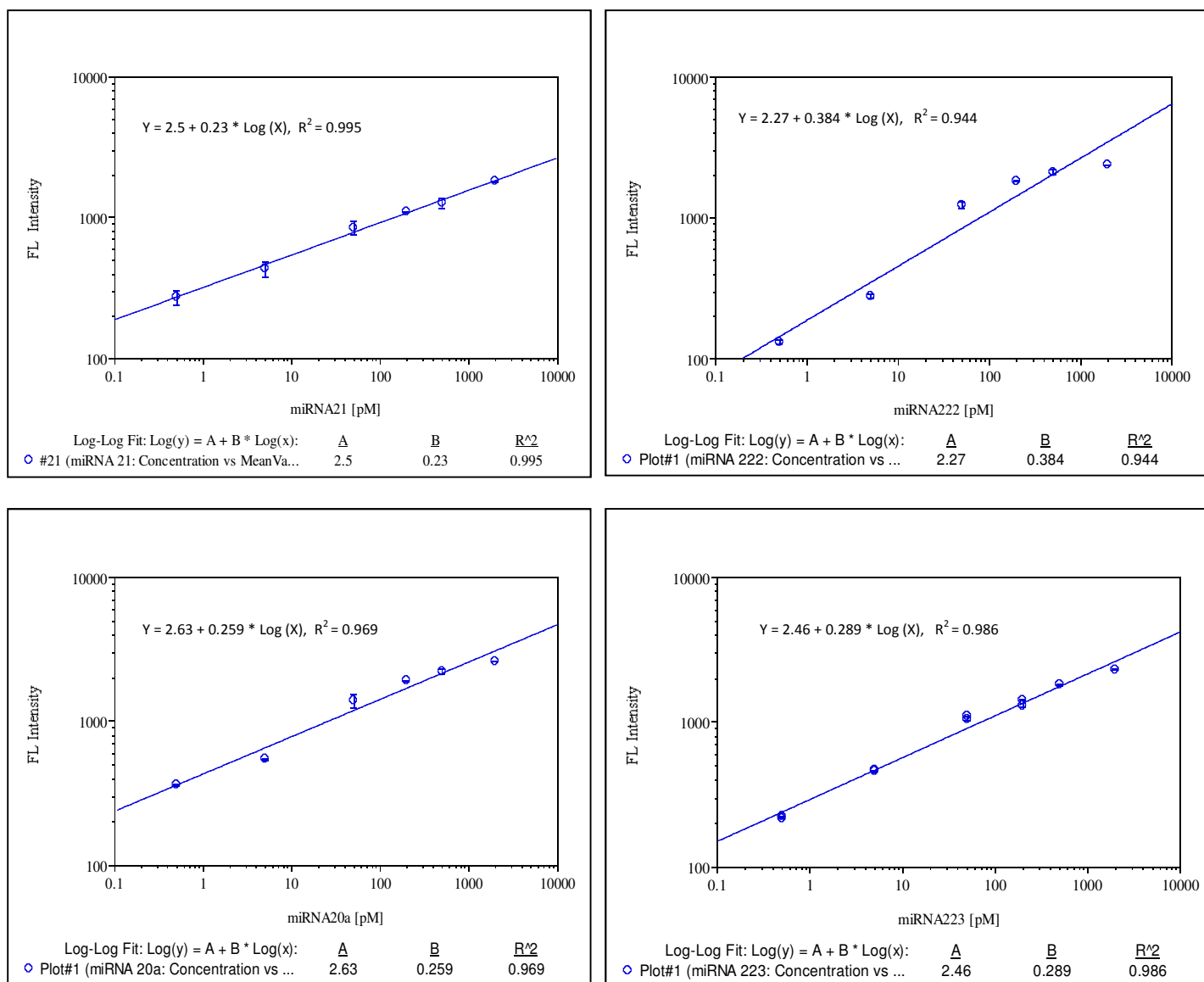


Figure S1. Calibration plots (linear fitting). Experimental conditions: Hairpin probe coupling concentration $40 \text{ fmol}/10^7$ microsphere for miRNA21 and miRNA222, $20 \text{ fmol}/10^7$ microsphere for miRNA20a and miRNA223; Bead density $0.5 \text{ }\mu\text{L}$ stock/well, target reaction temperature $30 \text{ }^\circ\text{C}$, and SA-PE reaction temperature $20 \text{ }^\circ\text{C}$, with 10 min pre-equilibration of microsphere suspension at $20 \text{ }^\circ\text{C}$ prior to adding SA-PE, final SA-PE concentration at 1:100,000 dilution.