



## **TATAA develops new method for exceedingly sensitive and specific targeted microRNA analysis**

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doi: 10.1093/nar/gkx588*

### **Two-tailed RT-qPCR: a novel method for highly accurate miRNA quantification**

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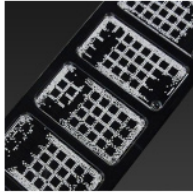
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## **TATAA offers microRNA profiling with the 3D-Gene platform and Illumina Next-Generation Sequencing**

## 3D-Gene features:



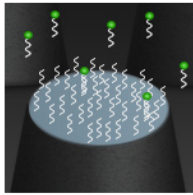
### > **Black resin substrate**

Black resin substrate substantially decreases background noise and enables the detection of low expression genes that were previously hidden in noise.



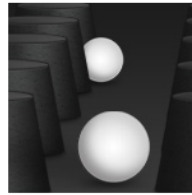
### > **Fine columnar structure**

The adoption of uneven columnar structure for the detection area of substrate enables the stabilization of spot morphology and the acquisition of a uniform detected image.



### > **Special surface modification for probe immobilization**

Toray's unique surface treatment technology enables dense and uniform immobilization of probes on the substrate surface to improve detection capability.



### > **Bead agitation**

By agitating solution on the substrate using microbeads, solution spreads evenly, and reactivity (signal intensity) of detected genes dramatically increases.

## To learn more, join our microRNA course in Cambridge

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