

DNA chip

Q&A

Q1 DNA chip 2 ?

A1 RNA labeling Cy3<sup>TM</sup>, Cy5<sup>TM</sup> labeling competitive hybridization background 가 2  
 1 , RNA Cy3<sup>TM</sup>, Cy5<sup>TM</sup> hybridization , 1 :  
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Q2 Northern blot DNA chip ?

A2 가 , full length mRNA Northern blot 가  
 band DNA chip 가 , DNA chip mRNA가 가  
 . DNA chip Northern blot RT - PCR  
 가 가

Q3 TaKaRa DNA chip ?

A3 DNA chip ,

Yamada, M. et al. (2000) Biochem. Biophys. Res. Commun., 278, 150 - 157.  
 Yoshida, K. et al. (2001) Nucleic Acids Research, 29, 683 - 692.  
 Taniguchi, M. et al. (2001) Genomics, 71, 34 - 39.  
 Hihara, Y. et al. (2001) Plant Cell, 13, 793 - 806

Q4 Cy3™ Cy5™ Normalization ?

A4 Normalization 가 .

	Global normalization	Housekeeping normalization	Internal control normalization
Chip signal	.	(housekeeping gene) signal	가 Cy3™, Cy5™ label signal
Apoptosis spot 가 가	.	Housekeeping gene 가 가 housekeeping gene 가 .	Cy3™, Cy5™ labeling 가 mRNA quality가 가 .
가	.	northern blotting RT - PCR (housekeeping gene) 가 ( )	가 mRNA가

1 ( )

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