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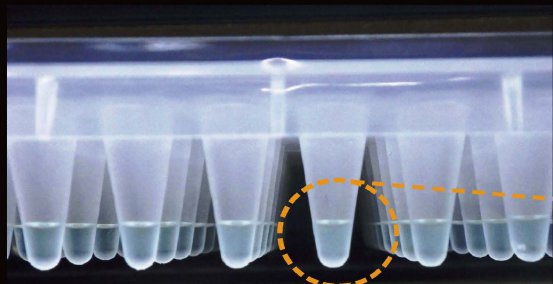
大幅度提高了THUNDERBIRD®性能

高效率Realtime PCR Master Mix

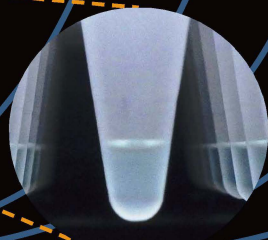
THUNDERBIRD® Next SYBR® qPCR Mix

同等价格可得到效率更高的Realtime PCR!

- ▶ 扩增效率提高
- ▶ 低拷贝区的检测灵敏度提高
- ▶ 特异性进一步增强
- ▶ 可对应延伸时间为10秒的高速循环
- ▶ 制备的反应液的稳定性提高
- ▶ 防止Carryover污染引起的假阳性
(与另外销售的UNG组合使用时)
- ▶ 含有校正染料, 无需添加ROX



溶液有颜色, 所以降低了
了分装误差



使用『RamDA-seq™方法』从单细胞或微量RNA开始的cDNA制备试剂盒

NGS分析用的cDNA制备试剂盒

GenNext® RamDA-seq™ Single Cell Kit

Realtime PCR分析用cDNA制备试剂盒

RT-RamDA™ cDNA Synthesis Kit

✓ 单细胞及微量RNA为模板

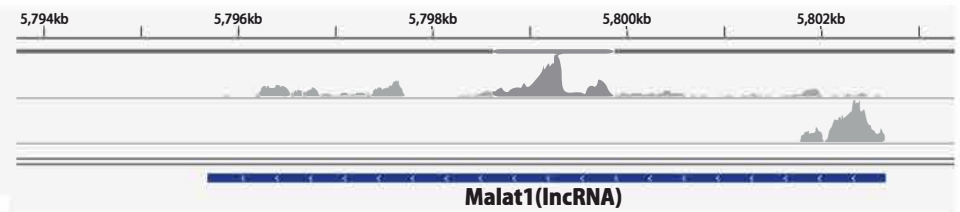
可使用1~100个细胞或 10pg~1ng total RNA 作为input

✓ 可制备覆盖全长RNA的cDNA

现有的只使用Oligo-dT引物的方法难以分析10kb以上的RNA，使用本产品可以制备出测序reads覆盖全长RNA的cDNA

RamDA-seq™

A公司试剂盒



✓ 除了可检测poly(A) RNA外，还可检测non-poly(A) RNA

除了Oligo-dT primer外，还使用了NSR (Not so random primer)，可检测到用现有方法无法检测的non-poly(A) RNA

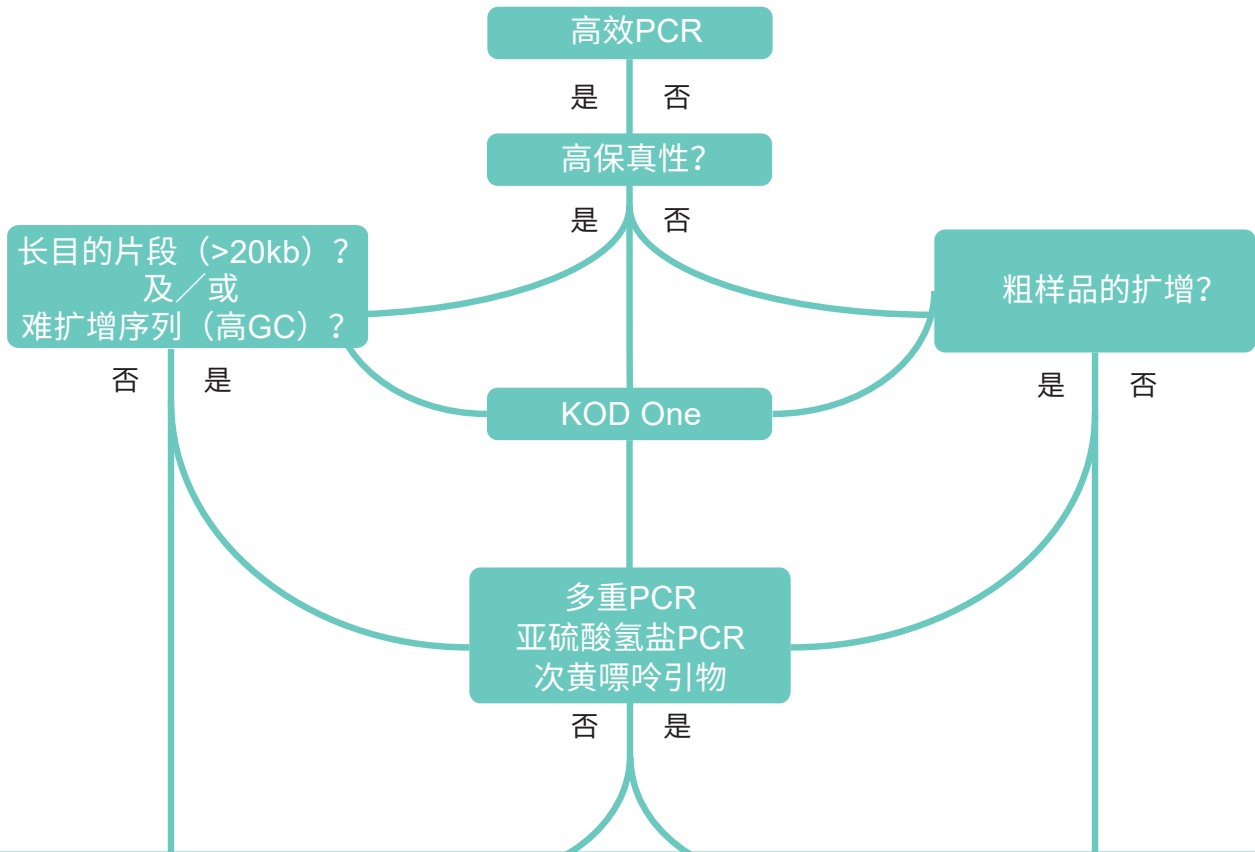
✓ 相比原来技术，检测到的基因数大大提高了

可检测组蛋白RNA、lncRNA、pre-mRNA、circRNA等各种类型的RNA

使用从Mouse ES细胞提取的RNA 10pg，分别用两种试剂盒 (N=2) 制备cDNA后，进行NGS分析

cDNA Synthesis Method	RamDA-seq™		A公司试剂盒	
Number of transcripts TPM>0.1	18,984	18,465	13,500	13,721

高效PCR快速选择指南



KOD -Plus- 系列	KOD FX 系列	KOD -Multi & Epi-	Blend Taq 系列
与Taq DNA聚合酶保真性的比较 (增加倍数)			
80倍	11倍		3倍
-克隆用高保真性PCR -高速PCR (30秒/kb)	-粗样品 (血液、鼠尾、植物等) -含细胞壁的微生物 (酵母、真菌等) -难扩增的目的片段 (长度>20kb, 高GC含量)	-多重PCR (~10kb) -亚硫酸氢盐PCR (~1.5kb) -可使用含I或U的引物	-普通PCR -长PCR (>5kb) -克隆PCR
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