

K035-A	K035-B	K035-C
40 rxns	200 rxns	4,000 rxns

Super LongTaq Green PCR Mix
dNTPs

Hotstart Taq DNA
PCR

Hotstart Phusion DNA
PCR

taq 100 50kbp

PCR Mix

2X Super LongTaq Green PCR Mix	1 ml	1 ml × 5	100 ml
PCR			

-20 2

PCR

DNA

1	2X Super LongTaq Green PCR Mix ^[1]	25 µl	1X
2	upstream primer (10 µM) ^[2]	2 µl	0.4 µM
3	downstream primer (10 µM) ^[2]	2 µl	0.4 µM
4	template DNA ^[3]	1-4 µl	<1µg
5		To 50 µl	-

^[1] Super LongTaq Green PCR Mix

^[2] 0.1-1 µM

^[3] DNA 50 µl

Template	DNA	λDNA	cDNA	DNA
Dosage	1ng-500g	0.5ng-5ng	1-5µl	0.1ng-10ng

Initial Denaturation	95	2min	1
Denaturation	95	30 sec	25-35
Annealing	55-60 ^[1]	30 sec	
Extension	72	20 sec/kb	
Final Extension	72	5min	1

^[1] T_m