

## HIGH-THROUGHPUT CLONING: PCR CYCLING CONDITIONS

	STANDARD	A-T RICH	G-C RICH
	ROCHE HI-FIDELITY POLYMERASE	ROCHE HI-FIDELITY POLYMERASE	FINNZYMES PHUSION POLYMERASE w/ 4% DMSO
1)	94°C FOR 2:00 MIN	94°C FOR 2:00 MIN	98°C FOR 0:30 SEC
2)	94°C FOR 0:30 SEC	94°C FOR 0:20 SEC	98°C FOR 0:15 SEC
3)	60°C FOR 1:00 MIN	2.1° PER SEC TO 50°C	65°C FOR 0:15 SEC
4)	72°C FOR 4:30 MIN	50°C FOR 0:10 SEC	72°C FOR 0:30 SEC
5)	GO TO 2, 29 TIMES	2.1° PER SEC TO 37°C	GO TO 2, 29 TIMES
6)	72°C FOR 10:00 MIN	37°C FOR 0:10 SEC	72°C FOR 3:00 MIN
7)	4°C FOR EVER	2.1° PER SEC TO 60°C	4°C FOR EVER
8)	END	60°C FOR 5:00 MIN	END
9)		GO TO 2, 4 TIMES	
10)		94°C FOR 0:20 SEC	
11)		2.1° PER SEC TO 50°C	
12)		50°C FOR 0:10 SEC	
13)		2.1° PER SEC TO 42°C	
14)		42°C FOR 0:10 SEC	
15)		2.1° PER SEC TO 60°C	
16)		60°C FOR 5:00 MIN	
17)		GO TO 10, 28 TIMES	
18)		60°C FOR 10:00 MIN	
19)		4°C FOR EVER	
20)		END	