

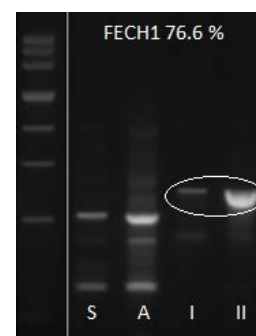
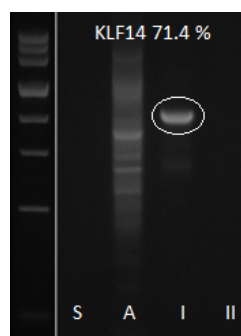
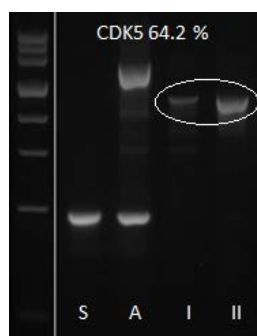
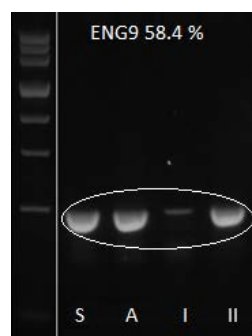
## GC-RICH DNA AMPLIFICATION



### GC-Rich DNA Target Kit and GC-Rich TEMPase Master Mixes

- High success rate of GC-rich DNA amplification
- High specificity, sensitivity and product yield
- Diminished formation of non-specific product
- Reaction set-up at room temperature

When PCR fails with regular TEMPase Hot Start Master Mixes and buffers, due to high GC content, then try GC Buffer I either as a master mix or a kit for better results. If your amplification is still not satisfactory, then switch to GC Buffer II.



Four different genes with increasing GC-content (in percentage) were amplified in Standard Buffer (S), Ammonium Buffer (A) and GC Buffer I (I) and II (II). Notice that GC buffer I and II successfully amplify targets with high GC percentage when regular buffers fall short (encircled).

	Size	Content	Cat #
	Reaction size: 50 µl*		
GC-Rich DNA Target Kit, with GC Buffer I and II	500 Units	1 x 0.1 ml	A227103
	1000 Units	2 x 0.1 ml	A227104
	2500 Units	5 x 0.1 ml	A227106
GC TEMPase 2x Master Mix I	100 Reactions	2 x 1.25 ml	A331701
	500 Reactions	10 x 1.25 ml	A331703
	2500 Reactions	50 x 1.25 ml	A331706
GC TEMPase 2x Master Mix II	100 Reactions	2 x 1.25 ml	A332701
	500 Reactions	10 x 1.25 ml	A332703
	2500 Reactions	50 x 1.25 ml	A332706
4x GC Buffer I	-	3 x 1.5 ml	A301703
4x GC Buffer II	-	3 x 1.5 ml	A302703

\*1 unit / 50 µl reaction size