

Materials List for:

Polymerase Chain Reaction: Basic Protocol Plus Troubleshooting and Optimization Strategies

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Materials

Name	Company	Catalog Number	Comments
Taq Polymerase	Sigma-Aldrich	D4545-25UN	
dNTPs	Qiagen	201225	
0.2 ml Thin Wall Tubes PCR tubes	Bio-Rad	223-9469	
0.2 ml Thin Wall Tube caps	Bio-Rad	223-9472	
EDTA disodium salt dihydrate	Sigma-Aldrich	E5134	
Trizma-HCl	Sigma-Aldrich	T-3253	
Custom Phage Primer	Invitrogen	25441F_RL6_Contig2_68k TACTGCAACGCGATGTTGCG	
Custom Phage Primer	Invitrogen	26007R_RL6_Contig2_68k TCACCATCAATCGTGGCGGT	
Custom Yeast Primer	Integrated DNA Technologies	SacI-Gal3(-256) ACCTGGAGCTCCTATTT TAACATGTGGATTTCTTGAAAGAAATGAAATCG	
Custom Yeast Primer	Integrated DNA Technologies	Gal3(1848)-SacI CGGATGGAGCTCGCGT GAAGGTAATTTTTTTTTATGTCTCCG	
Thermal Cycler	Bio-Rad	170-9703	My Cycler
Agarose	ISC BioExpress	E-3120-500	
Gel electrophoresis	Hoeffer Scientific Instruments	Model HE33	
1 kb DNA Ladder	New England Biolabs	N3232S	
Bio Rad Power Pack	Bio-Rad	164-5050	PowerPac Basic
Gel Doc system	Fotodyne Incorporated	FOTO/Analyst Investigator FX Workstation	