

Materials List for:

DNA Sequence Recognition by DNA Primase Using High-Throughput Primase Profiling

Stefan Ilic¹, Shira Cohen¹, Ariel Afek², Raluca Gordan², David B. Lukatsky¹, Barak Akabayov¹

¹Department of Chemistry, Ben-Gurion University of the Negev

²Center for Genomic and Computational Biology, Department of Biostatistics and Bioinformatics, Duke University

Correspondence to: Barak Akabayov at akabayov@bgu.ac.il

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Materials

Name	Company	Catalog Number	Comments
40% acrylamide-bisacrylamide (19:1) solution	Merck	1006401000	
95% formamide	Sigma-Aldrich	F9037-100ML	
Alexa 488-conjugated anti-his antibody	Qiagen	35310	
Ammonium persulfate (APS)	Sigma-Aldrich	A3678-100G	
ATP, [α - ³² P] – 3000 Ci/mmol	Perkin Elmer	NEG003H250UC	
Boric acid, granular	Glentham Life Sciences	GE4425	
Bovine Serum Albumin (BSA)	Roche	10735094001	
Bromophenol blue	Sigma-Aldrich	B0126-25G	
Coplin jar			
Dithiothreitol (DTT)	Sigma-Aldrich	D0632-25G	
DNA microarray	Agilent		4x180K (AMADID #78366) https://www.agilent.com
Ethylenediaminetetraacetic acid (EDTA)	Acros Organics	AC118430010	
Fujifilm FLA-5100 phosphorimager	FUJIFILM Life Science		
Glass slide staining rack	Thermo Scientific	12869995	If several slides are used
Lab rotator	Thermo Scientific	88880025	
Magnesium chloride	Sigma-Aldrich	63064-500G	
Microarray Hybridization Chamber	Agilent	G2534A	https://www.agilent.com/cs/library/usermanuals/Public/G2534-90004_HybridizationChamber_User.pdf
Microarray scanner (GenePix 4400A)	Molecular Devices		
Phosphate Buffered Saline (PBS)	Sigma-Aldrich	P4417-100TAB	
Potassium glutamate	Alfa Aesar	A172232	
Ribonucleotide Solution Mix (rNTPs)	New England BioLabs	N0466S	
Salmon testes DNA	Sigma-Aldrich	D1626-1G	
Skim milk powder	Sigma-Aldrich	70166-500G	
Staining dish	Thermo Scientific	12657696	
Tetramethylethylenediamine (TEMED)	Bio-Rad	1610800	
Tris base (2-Amino-2-(hydroxymethyl)-1,3-propanediol)	Sigma-Aldrich	93362-500G	

Triton X-100	Sigma-Aldrich	X100-500ML	
Tween-20	Sigma-Aldrich	P9416-50ML	
Urea	Sigma-Aldrich	U6504-1KG	
Xylene cyanol	Alfa Aesar	B21530	