

Materials List for:

Site-Directed Mutagenesis for In Vitro and In Vivo Experiments Exemplified with RNA Interactions in *Escherichia Coli*

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Materials

Name	Company	Catalog Number	Comments
Anti-GroEL antibody produced in rabbit	Merck	G6532	Primary antibody
Azure c200	Azure	NA	Gel imaging workstation
Custom DNA oligo	Merck	VC00021	
DeNovix DS-11	DeNovix	NA	Spectrophotometer for nucleic acid measurements
DNA Gel Loading Dye (6X)	Thermo Scientific	R0611	
Ethidium bromide solution 1 %	Carl Roth	2218.1	
GeneJET Gel Extraction Kit	Thermo Scientific	K0691	
GeneRuler DNA Ladder Mix	Fermentas	SM0333	
Gerard GeBAflex-tube Midi	Gerard Biotech	TO12	Dialysis tubes for electro elution
MEGAscript T7 Transcription Kit	Invitrogen	AM1334	
Mini-Sub Cell GT Cell	Bio-Rad	1704406	Horizontal electrophoresis system
Monoclonal ANTI-FLAG M2 antibody produced in mouse	Merck	F3165	Primary antibody
Mouse Immunoglobulins	Dako Cytomation	P0447	HRP conjugated secondary antibody
NucleoSpin miRNA	Macherey Nagel	740971	RNA purification
NuPAGE 4-12% Bis-Tris Protein Gels	Thermo Scientific	NP0323BOX	Bis-Tris gels for protein separation
Phusion High-Fidelity PCR Master Mix with HF Buffer	New England Biolabs	M0531S	DNA polymerase
PowerPac HC High-Current Power Supply	Bio-Rad	1645052	
Rabbit Immunoglobulins	Dako Cytomation	P0448	HRP conjugated secondary antibody
SeaKem LE Agarose	Lonza	50004	
SigmaPlot	Systat Software Inc	NA	Graph and data analysis software tool
T100 Thermal Cycler	Bio-Rad	1861096	PCR machine
T4 DNA ligase	New England Biolabs	M0202	Ligase
T4 Polynucleotide Kinase	New England Biolabs	M0201S	
TAE Buffer (Tris-acetate-EDTA) (50X)	Thermo Scientific	B49	