

Materials List for CRISPR Guide RNA Cloning for Mammalian Systems

Sathiji Nageshwaran^{*1,2}, Alejandro Chavez^{*1,2,3}, Nan Cher Yeo^{1,2}, Xiaoge Guo^{1,2}, Alissa Lance-Byrne¹, Angela Tung¹, James J. Collins^{1,4,5,6,7}, George M. Church^{1,2}

¹Wyss Institute for Biologically Inspired Engineering, Harvard University

²Department of Genetics, Harvard Medical School

³Department of Pathology, Massachusetts General Hospital

⁴Institute for Medical Engineering & Science, Massachusetts Institute of Technology

⁵Synthetic Biology Center, Massachusetts Institute of Technology

⁶Department of Biological Engineering, Massachusetts Institute of Technology

⁷Broad Institute

*These authors contributed equally

Correspondence to: Alejandro Chavez at ac4304@cumc.columbia.edu, George M. Church at gchurch@genetics.med.harvard.edu

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Materials

Name	Company	Catalog Number	Comments
BsmBI	New England Biolabs	R0580L	
T4 DNA ligase	Enzymatic/New England Biolabs	L6030-LC-L/M0202S	
Buffer 3.1	New England Biolabs	B7203S	
Adenosine 5'-Triphosphate (ATP)	New England Biolabs	P0756S	
QIAprep spin miniprep kit	Qiagen	27104	
Chemically competent <i>E. coli</i>	New England Biolabs	C3019I, C2987I, or C3040H	
Standard microcentrifuge tubes, 1.5 mL	Eppendorf	0030 125.150	
Axygen 8-Strip PCR tubes	Fischer Scientific	14-222-250	
Thermocycler with programmable temperature-stepping control	BioRad,	1851148	
UV spectrophotometer (NanoDrop 2000c)	Thermo Scientific		
pSB700 plasmid	Addgene	#64046	
NEB Stable Competent <i>E. coli</i> (High Efficiency)	New England Biolabs	c3040	
Lysogeny broth (LB)			
Ampicillin			
TE buffer (1 mM EDTA, 10 mM Tris-Cl, pH 7.5)			
pSN007 plasmid	Addgene	102440	