

Materials List for:

Interactome-Seq: A Protocol for Domainome Library Construction, Validation and Selection by Phage Display and Next Generation Sequencing

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Materials

Name	Company	Catalog Number	Comments
Sonopuls ultrasonic homogenizer	Bandelin	HD2070	or equivalent
GeneRuler 100 bp Plus DNA Ladder	Thermo Scientific	SM0321	or equivalent
GeneRuler 1 kb DNA Ladder	Thermo Fisher Scientific	SM0311	or equivalent
Molecular Biology Agarose	BioRad	161-3102	or equivalent
Green Gel Plus	Fisher Molecular Biology	FS-GEL01	or equivalent
6x DNA Loading Dye	Thermo Fisher Scientific	R0611	or equivalent
QIAquick Gel Extraction Kit	Qiagen	28704	or equivalent
Quick Blunting Kit	New England Biolabs	E1201S	
NanoDrop 2000 UV-Vis Spectrophotometer	Thermo Fisher Scientific	ND-2000	
High-Capacity cDNA Reverse Transcription Kit	Thermo Fisher Scientific	4368813	
Streptavidin Magnetic Beads	New England Biolabs	S1420S	or equivalent
QIAquick PCR purification Kit	Qiagen	28104	or equivalent
EcoRV	New England Biolabs	R0195L	
Antarctic Phosphatase	New England Biolabs	M0289S	
T4 DNA Ligase	New England Biolabs	M0202T	
Sodium Acetate 3M pH5.2	general lab supplier		
Ethanol for molecular biology	Sigma-Aldrich	E7023	or equivalent
DH5aF ⁺ bacteria cells	Thermo Fisher Scientific		
0,2 ml tubes	general lab supplier		
1,5 ml tubes	general lab supplier		
0,1 cm electroporation cuvettes	Biosigma	4905020	
Electroporator 2510	Eppendorf		
2x YT medium	Sigma-Aldrich	Y1003	
Ampicillin sodium salt	Sigma-Aldrich	A9518	
Chloramphenicol	Sigma-Aldrich	C0378	
DreamTaq DNA Polymerase	Thermo Fisher Scientific	EP0702	

Deoxynucleotide (dNTP) Solution Mix	New England Biolabs	N0447S	
96-well thermal cycler (with heated lid)	general lab supplier		
150 mm plates	general lab supplier		
100 mm plates	general lab supplier		
Glycerol	Sigma-Aldrich	G5516	
BssHII	New England Biolabs	R0199L	
NheI	New England Biolabs	R0131L	
QIAprep Spin Miniprep Kit	Qiagen	27104	or equivalent
M13KO7 Helper Phage	GE Healthcare Life Sciences	27-1524-01	
Kanamycin sulfate from Streptomyces kanamyceticus	Sigma-Aldrich	K1377	
Polyethylene glycol (PEG)	Sigma-Aldrich	P5413	
Sodium Chloride (NaCl)	Sigma-Aldrich	S3014	
PBS	general lab supplier		
Dynabeads Protein G for Immunoprecipitation	Thermo Fisher Scientific	10003D	or equivalent
MagnaRack Magnetic Separation Rack	Thermo Fisher Scientific	CS15000	or equivalent
Tween 20	Sigma-Aldrich	P1379	
Nonfat dried milk powder	EuroClone	EMR180500	
KAPA HiFi HotStart ReadyMix	Kapa Biosystems, Fisher Scientific	7958935001	
AMPure XP beads	Agencourt, Beckman Coulter	A63881	
Nextera XT dual Index Primers	Illumina	FC-131-2001 or FC-131-2002 or FC-131-2003 or FC-131-2004	
MiSeq or HiSeq2500	Illumina		
Spectrophotometer	Nanodrop		
Agilent Bioanalyzer or TapeStation	Agilent		
Forward PCR primer	general lab supplier		5' TACCTATTGCCTACGGCA GCCGCTGGATTGTTATTACTC 3'
Reverse PCR primer	general lab supplier		5' TGGTGATGGTGAGTACTA TCCAGGCCAGCAGTGGGTTTG 3'
Forward primer for NGS	general lab supplier		5' TCGTCGGCAGCGTCAGA TGTGTATAAGAGACAGGCA GCAAGCGGCGCGCATGC 3';
Reverse primer for NGS	general lab supplier		5' GTCTCGTGGGCTCGGAGA TGTGTATAAGAGACAGGGG ATTGGTTTGCCGCTAGC 3';