

Materials List for:

A Converging Strategy for the Generation of a Virtually Sequenced cDNA Library from Unreferenced Pacific Oysters

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Materials

Name	Company	Catalog Number	Comments
Chemicals:			
1% Triton X-100	Solarbio	9002-93-1	*Alternative distributors possible
2,5-Dihydroxybenzoic acid	Alfa Aesar	490-79-9	*Alternative distributors possible
Acetonitrile	Merck	75-05-8	*Alternative distributors possible
Agarose for molecular biology	Biowest Chemicals	111860	*Alternative distributors possible
Ampicilin	Solarbio	69-52-3	*Alternative distributors possible
Chloroform	Lingfeng, Shanghai	67-66-3	*Alternative distributors possible
DEPC water	Thermo Scientific	R0601	
Ethanol	Jinhuada, Guangzhou	64-17-5	*Alternative distributors possible
Guanidinium thiocyanate-phenol reagent	Invitrogen	15596018	TRIzol reagent
Imidazole	Energy Chemical	288-32-4	*Alternative distributors possible
Isopropyl alcohol	Nanjing Chemical Reagent	67-63-0	*Alternative distributors possible
Isopropyl β-D-thiogalactopyranoside	Solarbio	367-93-1	*Alternative distributors possible
Kanamycin	Solarbio	25389-94-0	*Alternative distributors possible
LB Agar	Thermo Fisher	22700025	*Alternative distributors possible
LB Broth	Thermo Fisher	10855021	*Alternative distributors possible
Methanol	Jinhuada, Guangzhou	67-56-1	*Alternative distributors possible
MgCl ₂ hexahydrate	Xilong Huagong	7791-18-6	*Alternative distributors possible
NaCl	Xilong Huagong	7647-14-5	*Alternative distributors possible
NAD ⁺	Duly Biotech	53-84-9	*Alternative distributors possible
Phenyl-methylsulfonyl fluoride	Macklin	329-98-6	*Alternative distributors possible
Tris	Solarbio	77-86-1	*Alternative distributors possible
UDP-glucose	Wuhu Nuowei Chemicals	28053-08-9	*Alternative distributors possible
UDP-glucuronic acid	SIGMA	63700-19-6	*Alternative distributors possible
Tools/Instruments:			
MALDI-TOF mass spectrometer	Bruker	Autoflex	*Alternative distributors possible
Metal block heater	Long Yang Scientific Instruments	Thermoshaker HB20	*Alternative distributors possible
PCR thermocycler	Hema	9600	*Alternative distributors possible
Enzyme and Kits:			
10×Ligation buffer	Thermo Scientific	B69	*Alternative distributors possible
5×PrimeSTAR buffer	Takara	9158A	

Alkaline phosphatase	ThermoFisher FastAP	EF0654	*Alternative distributors possible
COX forward primer	Genscript	ATGTCAACAAATCATTAGACATTG	
COX reverse primer	Genscript	ACTTGACCAAAAACATAAGACATG	
Cutsmart Buffer	NEB	B7204S	*Alternative distributors possible
dNTP mix	Invitrogen	18427088	
MgUGD forward primer	Genscript	ACATATGACCCTGTCCAAGATCTGTTGT	
MgUGD reverse primer	Genscript	ACTCGAGACTCTGTGAGCGGTGGAG	
MgUXS forward primer	Genscript	CCATATGGCAGAATCCTCACAATCAC	
MgUXS reverse primer	Genscript	ACTCGAGCACATTTTTGAATTTGCAGACGT	
ND forward primer	Genscript	ATGAGATGGCAATTATTTTTTAAT	
ND reverse primer	Genscript	ATGTATTTTGGAAAAATCTCCAC	
PCR Cleanup Kit	AxyGen	AP-PCR-250	*Alternative distributors possible
pET-30a(+) vector	Merck Millipore	69909	