

Genome-wide Analysis of Histone Modifications Distribution using the Chromatin Immunoprecipitation Sequencing Method in *Magnaporthe oryzae*

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Materials

Name	Company	Catalog Number	Comments
acidic casein hydrolysate	WAKO	65072-00-6	Medium configuration
agar powder	scientan	9002-18-0	Medium configuration
deoxycholic acid	MedChemExpress	83-44-3	protein and dissolution
DNA End-Repair kit	NovoBiotec	ER81050	Repair DNA or cDNA damaged by enzymatic or mechanical shearing
Dynabeads	Invitrogen	no.100.02D	Binding target
EB buffer	JIMEI	JC2174	Membrane and liquid
EDTA	ThermoFisher	AM9912	protease inhibitor
enzymatic casein hydrolysate	Sigma	91079-40-2	Medium configuration
glucose	Sigma	50-99-7	Medium configuration
glycogen	ThermoFisher	AM9510	Precipitant action
H3K4me3 antibodies	Abcam	ab8580	Immune response to H3K4me3 protein
illumina Genome Analyzer	illumina	illumina Hiseq 2000	Large configuration
illumina PCR primers	illumina	CleanPlex	Random universal primer
isoamyl alcohol	chemical book	30899-19-5	Purified DNA
LiCl	ThermoFisher	AM9480	specific removal RNA
lysing enzymes	Sigma	L1412-10G	cell lysis buffer
Mouse IgG	Yeasen	36111ES10	Animal normal immunoglobulin
NaCl solution	ThermoFisher	7647-14-5	Medium configuration
NaHCO ₃	Seebio	SH30173.08*	preparation of protein complex eluent
NP-40	ThermoFisher	85124	cell lysate to promote cell lysis
PCR Purification kit	Qiagen	28004	The purification procedure removes primers from DNA samples

protease inhibitors	ThermoFisher	A32965	A protein inhibitor that decreases protein activity
Proteinase K	ThermoFisher	AM2546	DNA Extraction Reagent
Qubit 4.0	ThermoFisher	Q33226	Medium configuration
RIPA buffer	ThermoFisher	9806S	cell lysis buffer
RNase A	ThermoFisher	AM2271	Purified DNA
SDS	ThermoFisher	AM9820	cover up the charge differences
sodium acetate solution	ThermoFisher	R1181	Acetic acid buffer
sodium deoxycholate	ThermoFisher	89904	inhibition of protease degradation
T4 DNA ligase	ThermoFisher	EL0011	Under the condition of ATP as coenzyme, DNA ligase
T4 DNA ligase buffer	ThermoFisher	B69	DNA ligase buffer
Tris-HCl	ThermoFisher	1185-53-1	buffer action
Triton X-100	ThermoFisher	HFH10	keep the membrane protein stable
yeast extract	OXOID	LP0021	Medium configuration