

Materials List for:

Application of RNAi and Heat-shock-induced Transcription Factor Expression to Reprogram Germ Cells to Neurons in *C. elegans*

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Materials

Name	Company	Catalog Number	Comments
Chemicals			
Agar-Agar, Kobe I	Roth	5210.1	
Bactopectone	A. Hartenstein GmbH	211 677	Peptone Media
Yeast extract	AppliChem	A1552,0100	
Amphotericin B	USBiological	A2220	
CaCl ₂	Merck Biosciences	208290	
Cholesterol	Roth	8866.2	
Gelatine	Roth	4275.3	
IPTG	Sigma	15502-10G	
K ₂ PO ₄	Roth	T875.2	
KH ₂ PO ₄	Roth	3904.2	
MgSO ₄	VWR	25,163,364	
Na ₂ HPO ₄	Roth	P030.1	
NaCl	Roth	9265.1	
NaClO	Roth	9062.3	
NaOH (5 N)	Roth	KK71.1	
Tris	Roth	AE15.2	
Carbenicillin	Roth	634412	
Tetracycline	Roth	2371.2	
Incubators			
Incubator	New Brunswick Scientific C24	M1247-0052	for heat-shock
Incubator	Sanyo MIR-5	5534210	for maintenance of worm strains at 15 °C or 25 °C
Microscopes			
Fluorescence microscope	M205 FA	Leica	
Microscope (Imaging) + camera	Axio Imager 2	Zeiss	
Microscope (Imaging) + camera	Sensicam	PCO	
Stereomicroscope	SMZ745	Nikon	
Bacterial strains			
<i>Escherichia coli</i> HT115			F ⁻ , mcrA, mcrB, IN(rrnD-rrnE)1, rnc14::Tn10(DE3 lysogen: lavUV5 promoter -T7 polymerase) (IPTG-inducible T7 polymerase) (RNase III minus).
<i>Escherichia coli</i> OP50			Uracil auxotroph E. coli strain

Worm strains			
BAT28: <i>otIs305</i> <i>(hsp16.2prom::che-1::3xHA) ntl1 (gcy-5prom::gfp) V.</i>			derived from OH9846 by 4x times more back crossing with N2
RNAi Clones			
lin-53	SourceBioscience	ID I-4D14	Ahringer library 16B07 ChromI, K07A1.12
empty vector: L4440	Addgene	#1654	
Misc.			
Worm pick			self-made using a pasteur pipette and a platinum wire