

Materials List for:

Merging Absolute and Relative Quantitative PCR Data to Quantify STAT3 Splice Variant Transcripts

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Materials

Name	Company	Catalog Number	Comments
MJ Research PTC-200 Thermal Cycler	GMI	N/A	Used for standard PCR
7500 Real-Time PCR System	Applied Biosystems	N/A	qPCR machine
GS-6R	Beckman Coulter	N/A	centrifuge for 96-well plates
Nanodrop 2000 spectrophotometer	ThermoFisher Scientific	N/A	
RPMI-1640 medium	Sigma Aldrich	R8758	cell culture medium
PfuTurbo DNA Polymerase	Agilent Technologies	600410	DNA polymerase for standard PCR
KpnI	New England Biosciences	R0142S	
NheI	New England Biosciences	R0131S	
SYBR Green PCR Master Mix	Qiagen	330523	qPCR, DNA polymerase/dsDNA-binding dye mix
Rneasy Mini Kit	Qiagen	74204	RNA extraction kit
SuperScript III First-Strand Synthesis System	Invitrogen (ThermoFisher Scientific)	18080-044	cDNA synthesis kit
Primers	Integrated DNA Technology	N/A	
NEBuffer 1.1	New England Biosciences	B7201S	
GenePure LE Agarose	ISC BioExpress	E-3120-500	component of TAE gel
Pipettors	Major lab suppliers (MLS)	N/A	
Filter pipette tips	Neptune Scientific	BT10XL, BT20, BT200	
EU One Piece Thin Wall Plate	MidSci	ABI7501	
ThermalSeal A Sealing Film	MidSci	TSA-100	96 well plate seal
pET-Elmer (variant of pET-28a)	Novagen; modified in Mosher lab	N/A	Details in PMID: 20947497
Wizard Plus SV Minipreps DNA purification system	Promega	A1460	Plasmid purification
BigDye Terminator v3.1 Cycle Sequencing Kit	ThermoFisher Scientific	4337455	Sequencing kit
QIAEX II Gel Extraction kit	Qiagen	20021	Amplicon purification
DH5α competent cells	ThermoFisher Scientific	18265-017	available from several providers, see PMID: 2162051
kanamycin	Research Products International Corp.	K22000-5.0	
Tris base	ThermoFisher Scientific	BP152-5	component of TAE buffer
Acetic acid, glacial	ThermoFisher Scientific	A38C-212	component of TAE buffer
EDTA (Ethylenediaminetetraacetic acid)	Sigma Chemical Company (Sigma Aldrich)	E-5134	component of TAE buffer

Bacto Tryptone	BD Biosciences	211705	component of Luria Broth
Bacto Yeast extract, technical	BD Biosciences	288620	component of Luria Broth
Sodium chloride	ThermoFisher Scientific	S271-10	component of Luria Broth
Sodium hydroxide	ThermoFisher Scientific	SS255-1	component of Luria Broth
Bacto Agar	BD Biosciences	214010	component of Luria Broth plate
Lasergene SeqBuilder	DNASTAR		Figure 1 generated using Lasergene SeqBuilder software version 12.2.0 (DNASTAR)