ITEM TO CHECK	IMPORTANCE	CHECKLIST
EXPERIMENTAL DESIGN Definition of experimental and control groups	E	p14, line227-240
Number within each group	E	p27
Assay carried out by core lab or investigator's lab?  Acknowledgement of authors' contributions	D D	p10, line137-156 p17,line293-295
SAMPLE		p17,iii6233-233
Description Values of course of cour	E D	p10, line137-156
Volume/mass of sample processed  Microdissection or macrodissection	E	p10, line137-156 p10, line137-156
Processing procedure	E	p10, line137-156
If frozen - how and how quickly?  If fixed - with what, how quickly?	E E	p10, line137-156
Sample storage conditions and duration (especially for FFPE samples)	E	p10, line137-156
NUCLEIC ACID EXTRACTION Procedure and/or instrumentation	E	40 5 407 450
Name of kit and details of any modifications	E	p10, line137-156 p10, line137-156
Source of additional reagents used	D	p10, line137-156
Details of DNase or RNAse treatment  Contamination assessment (DNA or RNA)	E E	p10, line137-156 p10, line137-156
Nucleic acid quantification	E	p10, line137-156
Instrument and method	E	p10, line137-156
Purity (A260/A280) Yield	D D	p10, line137-156 p10, line137-156
RNA integrity method/instrument	E	p10, line137-156
RIN/RQI or Cq of 3' and 5' transcripts  Electrophoresis traces	<b>E</b>	
Inhibition testing (Cq dilutions, spike or other)	E	
REVERSE TRANSCRIPTION	_	
Complete reaction conditions  Amount of RNA and reaction volume	E E	p10, line137-156 p10, line137-156
Priming oligonucleotide (if using GSP) and concentration	E	pro, micror roc
Reverse transcriptase and concentration	E	p10, line137-156
Temperature and time  Manufacturer of reagents and catalogue numbers	<b>E</b>	p10, line137-156 p10, line137-156
Cqs with and without RT	D*	
Storage conditions of cDNA qPCR TARGET INFORMATION	D	p10, line137-156
If multiplex, efficiency and LOD of each assay.	E	
Sequence accession number	E	
Location of amplicon  Amplicon length	D E	p10, line137-156
In silico specificity screen (BLAST, etc)	E	
Pseudogenes, retropseudogenes or other homologs?	D D	
Sequence alignment Secondary structure analysis of amplicon	D	
Location of each primer by exon or intron (if applicable)	E	
	_	
What splice variants are targeted?	E	
What splice variants are targeted? qPCR OLIGONUCLEOTIDES Primer sequences	E	p10, line137-156
What splice variants are targeted?  qPGR OLIGONUCLEOTIDES  Primer sequences  RTPrimerDB Identification Number	E D	p10, line137-156
What splice variants are targeted? qPCR OLIGONUCLEOTIDES Primer sequences	E	p10, line137-156
What splice variants are targeted?  qPGR OLIGONUCLEOTIDES  Primer sequences  RTPrimerDB Identification Number  Probe sequences  Location and identity of any modifications  Manufacturer of oligonucleotides	E D D** E D	p10, line137-156
What splice variants are targeted?  qCCR OLIGONUCLEOTIDES  Primer sequences  RTPrimerDB Identification Number  Probe sequences  Location and identity of any modifications  Manufacturer of oligonucleotides  Purification method	E D D***	
What splice variants are targeted?  qPCR OLIGONUCLEOTIDES  Primer sequences  RTPrimerDB Identification Number  Probe sequences  Location and identity of any modifications  Manufacturer of oligonucleotides  Purification method  qPCR PROTOCOL  Complete reaction conditions	E D D*** E D D	p10, line137-156
What splice variants are targeted? qCCR OLIGONUCLEOTIDES Primer sequences RTPrimerDB Identification Number Probe sequences Location and identity of any modifications Manufacturer of oligonucleotides Purification method qPCR PROTOCOL Complete reaction conditions Reaction volume and amount of cDNA/DNA	E D"* E D D D D E E	p10, line137-156
What splice variants are targeted?  qPCR OLIGONUCLEOTIDES  Primer sequences  RTPrimerDB Identification Number  Probe sequences  Location and identity of any modifications  Manufacturer of oligonucleotides  Purification method  qPCR PROTOCOL  Complete reaction conditions	E D D*** E D D	p10, line137-156
What splice variants are targeted?  qPCR OLIGONUCLEOTIDES  Primer sequences  RTPrimerDB Identification Number  Probe sequences  Location and identity of any modifications  Manufacturer of oligonucleotides  Purification method  qPCR PROTOCOL  Complete reaction conditions  Reaction volume and amount of cDNA/DNA  Primer, (probe), Mg++ and dMTP concentrations  Polymerase identity and concentration  Buffer/kit identity and manufacturer	E D D D D E E E E E E E	p10, line137-156
What splice variants are targeted?  qPCR OLIGONUCLEOTIDES  Primer sequences  RTPrimerDB Identification Number  Probe sequences  Location and identity of any modifications  Manufacturer of oligonucleotides  Purification method  qPCR PROTOCOL  Complete reaction conditions  Reaction volume and amount of cDNA/DNA  Primer, (probe), Mg++ and dNTP concentrations  Polymerase identity and concentration  Buffer/kit identity and manufacturer  Exact chemical constitution of the buffer	E D D D D E E E E E E D D D	p10, line137-156 p10, line137-156 p10, line137-156 p10, line137-156
What splice variants are targeted?  qPCR OLIGONUCLEOTIDES  Primer sequences  RTPrimerDB Identification Number  Probe sequences  Location and identity of any modifications  Manufacturer of oligonucleotides  Purification method  qPCR PROTOCOL  Complete reaction conditions  Reaction volume and amount of cDNA/DNA  Primer, (probe), Mg++ and dNTP concentrations  Polymerase identity and concentration  Buffer/kit identity and manufacturer  Exact chemical constitution of the buffer  Additives (SYBR Green I, DMSO, etc.)  Manufacturer of plates/fubes and catalog number	E D D D D E E E E E E E E D D D D D D D	p10, line137-156 p10, line137-156 p10, line137-156 p10, line137-156 p10, line137-156
What splice variants are targeted?  qPCR OLIGONUCLEOTIDES  Primer sequences  RTPrimerDB Identification Number  Probe sequences  Location and identity of any modifications  Manufacturer of oligonucleotides  Purification method  qPCR PROTOCOL  Complete reaction conditions  Reaction volume and amount of cDNA/DNA  Primer, (probe), Mg++ and dNTP concentrations  Polymerase identity and concentration  Buffer/kit identity and manufacturer  Exact chemical constitution of the buffer  Additives (SYBR Green I, DMSO, etc.)  Manufacturer of plates/tubes and catalog number  Complete thermocycling parameters	E D D D D E E E D D D E E E E E E E E E	p10, line137-156 p10, line137-156 p10, line137-156 p10, line137-156
What splice variants are targeted?  qPCR OLIGONUCLEOTIDES  Primer sequences  RTPrimerDB Identification Number  Probe sequences  Location and identity of any modifications  Manufacturer of oligonucleotides  Purification method  qPCR PROTOCOL  Complete reaction conditions  Reaction volume and amount of cDNA/DNA  Primer, (probe), Mg++ and dNTP concentrations  Polymerase identity and concentration  Buffer/kit identity and manufacturer  Exact chemical constitution of the buffer  Additives (SYBR Green I, DMSO, etc.)  Manufacturer of plates/fubes and catalog number	E D D D D E E E E E E E E D D D D D D D	p10, line137-156 p10, line137-156 p10, line137-156 p10, line137-156 p10, line137-156
What splice variants are targeted? qPCR OLIGONUCLEOTIDES Primer sequences RTPrimerDB Identification Number Probe sequences Location and identity of any modifications Manufacturer of oligonucleotides Purification method qPCR PROTOCOL Complete reaction conditions Reaction volume and amount of cDNA/DNA Primer, (probe), Mg++ and dNTP concentrations Polymerase identity and concentration Buffer/kit identity and manufacturer Exact chemical constitution of the buffer Additives (SYBR Green I, DMSO, etc.) Manufacturer of plates/tubes and catalog number Complete thermocycling parameters Reaction setup (manual/robotic) Manufacturer of qPCR instrument qPCR VALIDATION	E D D D D D D D D D D D D D D D D D D D	p10, line137-156 p10, line137-156 p10, line137-156 p10, line137-156 p10, line137-156
What splice variants are targeted? qPCR OLIGONUCLEOTIDES Primer sequences RTPrimerDB Identification Number Probe sequences Location and identity of any modifications Manufacturer of oligonucleotides Purification method qPCR PROTOCOL Complete reaction conditions Reaction volume and amount of cDNA/DNA Primer, (probe), Mg++ and dMTP concentrations Polymerase identity and concentration Bufferkit identity and manufacturer Exact chemical constitution of the buffer Additives (SYBR Green I, DMSO, etc.) Manufacturer of plates/tubes and catalog number Complete thermocycling parameters Reaction setup (manual/robotic) Manufacturer of qPCR instrument qPCR VALIDATION Evidence of optimisation (from gradients)	E D D D E E E D D E E D D E E D D D D D	p10, line137-156 p10, line137-156 p10, line137-156 p10, line137-156 p10, line137-156 p10, line137-156 p10, line137-156
What splice variants are targeted?  qCR OLIGONUCLEOTIDES  Primer sequences  RTPrimerDB Identification Number  Probe sequences  Location and identity of any modifications  Manufacturer of oligonucleotides  Purification method  qPCR PROTOCOL  Complete reaction conditions  Reaction volume and amount of cDNA/DNA  Primer, (probe), Mg++ and dMTP concentrations  Polymerase identity and concentration  Buffer/kit identity and manufacturer  Exact chemical constitution of the buffer  Additives (SYBR Green I, DMSO, etc.)  Manufacturer of plates/fubes and catalog number  Complete thermocycling parameters  Reaction setup (manual/robotic)  Manufacturer of qPCR instrument  qPCR VALIDATION  Evidence of optimisation (from gradients)  Specificity (gel, sequence, melt, or digest)  For SYBR Green I, Cq of the NTC	E D D D D D D D D D D D D D D D D D D D	p10, line137-156 p10, line137-156 p10, line137-156 p10, line137-156 p10, line137-156
What splice variants are targeted?  qPCR OLIGONUCLEOTIDES  Primer sequences  RTPrimerDB Identification Number  Probe sequences  Location and identity of any modifications  Manufacturer of oligonucleotides  Purification method  qPCR PROTOCOL  Complete reaction conditions  Reaction volume and amount of cDNA/DNA  Primer, (probe), Mg++ and dNTP concentrations  Polymerase identity and concentration  Buffer/kit identity and manufacturer  Exact chemical constitution of the buffer  Additives (SYBR Green I, DMSO, etc.)  Manufacturer of plates/fubes and catalog number  Complete thermocycling parameters  Reaction setup (manual/mobitc)  Manufacturer of qPCR instrument  qPCR VALIDATION  Evidence of optimisation (from gradients)  Specificity (gel, sequence, melt, or digest)  For SYBR Green I, Cq of the NTC  Standard curves with slope and y-intercept	E D D E E D D E E E E E E E E E E E E E	p10, line137-156
What splice variants are targeted?  qPCR OLIGONUCLEOTIDES  Primer sequences  RTPrimerDB Identification Number  Probe sequences  Location and identity of any modifications  Manufacturer of oligonucleotides  Purification method  qPCR PROTOCOL  Complete reaction conditions  Reaction volume and amount of cDNA/DNA  Primer, (probe), Mg++ and dNTP concentrations  Polymerase identity and concentration  Bufferkit identity and manufacturer  Exact chemical constitution of the buffer  Additives (SYBR Green I, DMSO, etc.)  Manufacturer of plates/Aubes and catalog number  Complete thermocycling parameters  Reaction setup (manual/robotic)  Manufacturer of qPCR instrument  qPCR VALIDATION  Evidence of optimisation (from gradients)  Specificity (gel, sequence, melt, or digest)  For SYBR Green I, Cq of the NTC  Standard curves with slope and y-intercept  PCR efficiency calculated from slope	E D D E E D D E E E E E E E E E E E E E	p10, line137-156
What splice variants are targeted?  qCR OLIGONUCLEOTIDES  Primer sequences  RTPrimerDB Identification Number  Probe sequences  Location and identity of any modifications  Manufacturer of oligonucleotides  Purification method  qCR PROTOCOL  Complete reaction conditions  Reaction volume and amount of cDNA/DNA  Primer, (probe), Mg++ and dNTP concentrations  Polymerase identity and concentration  Buffer/kit identity and manufacturer  Exact chemical constitution of the buffer  Additives (SYBR Green I, DMSO, etc.)  Manufacturer of plates/fubes and catalog number  Complete thermocycling parameters  Reaction setup (manual/robotic)  Manufacturer of qPCR instrument  qCR VALIDATION  Evidence of optimisation (from gradients)  Specificity (gel, sequence, melt, or digest)  For SYBR Green I, Cq of the NTC  Standard curves with slope and y-intercept  PCR efficiency calculated from slope  Confidence interval for PCR efficiency or standard error  12 of standard curve	E D D D D D D D D D D D D D D D D D D D	p10, line137-156
What splice variants are targeted?  qPCR OLIGONUCLEOTIDES  Primer sequences  RTPrimerDB Identification Number  Probe sequences  Location and identity of any modifications  Manufacturer of oligonucleotides  Purification method  qPCR PROTOCOL  Complete reaction conditions  Reaction volume and amount of cDNA/DNA  Primer, (probe), Mg++ and dNTP concentrations  Polymerase identity and concentration  Buffer/kit identity and manufacturer  Exact chemical constitution of the buffer  Additives (SYBR Green I, DMSO, etc.)  Manufacturer of plates/fubes and catalog number  Complete thermocycling parameters  Reaction setup (manual/robotic)  Manufacturer of qPCR instrument  qPCR VALIDATION  Evidence of optimisation (from gradients)  Specificity (gel, sequence, melt, or digest)  For SYBR Green I, Cq of the NTC  Standard curves with slope and y-intercept  PCR efficiency calculated from slope  Confidence interval for PCR efficiency or standard error  12 of standard curve  Linear dynamic range	E D D D E E E E E E E E E E E E E E E E	p10, line137-156
What splice variants are targeted?  qPCR OLIGONUCLEOTIDES  Primer sequences  RTPrimerDB Identification Number  Probe sequences  Location and identity of any modifications  Manufacturer of oligonucleotides  Purification method  qPCR PROTOCOL  Complete reaction conditions  Reaction volume and amount of cDNA/DNA  Primer, (probe), Mg++ and dNTP concentrations  Polymerase identity and concentration  Bufferkit identity and manufacturer  Exact chemical constitution of the buffer  Additives (SYBR Green I, DMSO, etc.)  Manufacturer of plates/tubes and catalog number  Complete thermocycling parameters  Reaction setup (manual/robotic)  Manufacturer of qPCR instrument  qPCR VALIDATION  Evidence of optimisation (from gradients)  Specificity (gel, sequence, melt, or digest)  PCR efficiency calculated from slope  Confidence interval for PCR efficiency or standard error  12 of standard curve  Linear dynamic range  Cq variation at lower limit	E D D D D D D D D D D D D D D D D D D D	p10, line137-156
What splice variants are targeted?  qCR OLIGONUCLEOTIDES  Primer sequences  RTPrimerDB Identification Number  Probe sequences  Location and identity of any modifications  Manufacturer of oligonucleotides  Purification method  qPCR PROTOCOL  Complete reaction conditions  Reaction volume and amount of cDNA/DNA  Primer, (probe), Mg++ and dMTP concentrations  Polymerase identity and concentration  Buffer/kit identity and manufacturer  Exact chemical constitution of the buffer  Additives (SYBR Green I, DMSO, etc.)  Manufacturer of plates/fubes and catalog number  Complete thermocycling parameters  Reaction setup (manual/robotic)  Manufacturer of qPCR instrument  qPCR ValDATION  Evidence of optimisation (from gradients)  Specificity (gel, sequence, melt, or digest)  For SYBR Green I, Cq of the NTC  Standard curves with slope and y-intercept  PCR efficiency calculated from slope  Confidence interval for PCR efficiency or standard error  12 of standard curve  Linear dynamic range  Cq variation at lower limit  Confidence intervals throughout range  Evidence for limit of detection	E D D D D D D D D D D D D D D D D D D D	p10, line137-156
What splice variants are targeted?  qPCR OLIGONUCLEOTIDES  Primer sequences  RTPrimerDB Identification Number  Probe sequences  Location and identity of any modifications  Manufacturer of oligonucleotides  Purification method  qPCR PROTOCOL  Complete reaction conditions  Reaction volume and amount of cDNA/DNA  Primer, (probe), Mg++ and dNTP concentrations  Polymerase identity and concentration  Bufferkit identity and manufacturer  Exact chemical constitution of the buffer  Additives (SYBR Green I, DMSO, etc.)  Manufacturer of plates/fubes and catalog number  Complete thermocycling parameters  Reaction setup (manual/mobitc)  Manufacturer of qPCR instrument  qPCR VALIDATION  Evidence of optimisation (from gradients)  Specificity (gel, sequence, melt, or digest)  PCR efficiency calculated from slope  Confidence interval for PCR efficiency or standard error  12 of standard curve  Linear dynamic range  Cq variation at lower limit  Confidence intervals throughout range  Evidence for limit of detection  If multiplex, efficiency and LOD of each assay.	E D D D D D D D D D D D D D D D D D D D	p10, line137-156
What splice variants are targeted?  qCR OLIGONUCLEOTIDES  Primer sequences  RTPrimerDB Identification Number  Probe sequences  Location and identity of any modifications  Manufacturer of oligonucleotides  Purification method  qPCR PROTOCOL  Complete reaction conditions  Reaction volume and amount of cDNA/DNA  Primer, (probe), Mg++ and dMTP concentrations  Polymerase identity and concentration  Buffer/kit identity and manufacturer  Exact chemical constitution of the buffer  Additives (SYBR Green I, DMSO, etc.)  Manufacturer of plates/fubes and catalog number  Complete thermocycling parameters  Reaction setup (manual/robotic)  Manufacturer of qPCR instrument  qPCR ValDATION  Evidence of optimisation (from gradients)  Specificity (gel, sequence, melt, or digest)  For SYBR Green I, Cq of the NTC  Standard curves with slope and y-intercept  PCR efficiency calculated from slope  Confidence interval for PCR efficiency or standard error  12 of standard curve  Linear dynamic range  Cq variation at lower limit  Confidence intervals throughout range  Evidence for limit of detection  If multiplex, efficiency and LOD of each assay.  DATA ANALYSIS  qPCR analysis program (source, version)	E D D D D D D D D D D D D D D D D D D D	p10, line137-156
What splice variants are targeted?  qCR OLIGONUCLEOTIDES  Primer sequences  RTPrimerDB Identification Number  Probe sequences  Location and identity of any modifications  Manufacturer of oligonucleotides  Purification method  qCR PROTOCOL  Complete reaction conditions  Reaction volume and amount of cDNA/DNA  Primer, (probe), Mg++ and dNTP concentrations  Polymerase identity and concentration  Bufferkit identity and manufacturer  Exact chemical constitution of the buffer  Additives (SYBR Green I, DMSO, etc.)  Manufacturer of plates/fubes and catalog number  Complete thermocycling parameters  Reaction setup (manual/mobitc)  Manufacturer of qPCR instrument  qPR VALIDATION  Evidence of optimisation (from gradients)  Specificity (gel, sequence, melt, or digest)  For SYBR Green I, Cq of the NTC  Standard curves with slope and y-intercept  PCR efficiency calculated from slope  Confidence interval for PCR efficiency or standard error  12 of standard curve  Linear dynamic range  Cq variation at lower limit  Confidence interval for PCR efficiency or standard error  12 of standard curve  Linear dynamic range  Evidence for limit of detection  If multiplex, efficiency and LOD of each assay.  DATA NNALYSIS  qPCR analysis program (source, version)  Cq method determination	E D D E E E E E E E E E E E E E E E E E	p10, line137-156
What splice variants are targeted?  qPCR OLIGONUCLEOTIDES  Primer sequences  RTPrimerDB Identification Number  Probe sequences Location and identity of any modifications  Manufacturer of oligonucleotides  Purification method  qPCR PROTOCOL  Complete reaction conditions  Reaction volume and amount of cDNA/DNA  Primer, (probe), Mg++ and dNTP concentrations  Polymerase identity and concentrations  Polymerase identity and concentration  Buffer/kit identity and manufacturer  Exact chemical constitution of the buffer  Additives (SYBR Green I, DMSO, etc.)  Manufacturer of plates/fubes and catalog number  Complete thermocycling parameters  Reaction setup (manual/robotic)  Manufacturer of qPCR instrument  qPCR VALIDATION  Evidence of optimisation (from gradients)  Specificity (gel, sequence, melt, or digest)  For SYBR Green I, Dq of the NTC  Standard curves with slope and y-intercept  PCR efficiency calculated from slope  Confidence interval for PCR efficiency or standard error  2 of standard curve  Linear dynamic range  Cq variation at lower limit  Confidence intervals throughout range  Evidence for limit of detection  If multiplex, efficiency and LOD of each assay.  DATA ANALYSIS  qPCR analysis program (source, version)  Cq method determination  Outlier identification and disposition	E D D E E E E E E E E E E E E E E E E E	p10, line137-156
What splice variants are targeted?  qPCR OLIGONUCLEOTIDES  Primer sequences  RTPrimerDB Identification Number  Probe sequences  Location and identity of any modifications  Manufacturer of oligonucleotides  Purification method  qPCR PROTOCOL  Complete reaction conditions  Reaction volume and amount of cDNA/DNA  Primer, (probe), Mg++ and dNTP concentrations  Polymerase identity and concentration  Buffer/kit identity and manufacturer  Exact chemical constitution of the buffer  Additives (SYBR Green I, DMSO, etc.)  Manufacturer of plates/fubes and catalog number  Complete thermocycling parameters  Reaction setup (manual/robotic)  Manufacturer of qPCR instrument  dpCR VALIDATION  Evidence of optimisation (from gradients)  Specificity (ggl, sequence, melt, or digest)  For SYBR Green I, Cq of the NTC  Standard curves with slope and y-intercept  PCR efficiency calculated from slope  Confidence interval for PCR efficiency or standard error  12 of standard curve  Linear dynamic range  Q avariation at lower limit  Confidence intervals throughout range  Evidence for limit of detection  If multiplex, efficiency and LOD of each assay.  DATA ANALYSIS  qPCR analysis program (source, version)  C gmethod determination  Outlier identification and disposition  Results of NTCS	E D D D D D D D D D D D D D D D D D D D	p10, line137-156
What splice variants are targeted?  qPCR OLIGONUCLEOTIDES  Primer Sequences  RTPrimerDB Identification Number Probe sequences  Location and identity of any modifications  Manufacturer of oligonucleotides Purification method  qPCR PROTOCOL  Complete reaction conditions Reaction volume and amount of cDNA/DNA Primer, (probe), Mg++ and dNTP concentrations Polymerase identity and concentration  Buffer/kit identity and manufacturer Exact chemical constitution of the buffer Additives (SYBR Green I, DMSO, etc.)  Manufacturer of plates/fubes and catalog number  Complete thermocycling parameters  Reaction setup (manual/robotic)  Manufacturer of qPCR instrument qPCR VALIDATION  Evidence of optimisation (from gradients) Specificity (gel, sequence, melt, or digest) For SYBR Green I, Cq of the NTC  Standard curves with slope and y-intercept PCR efficiency calculated from slope  Confidence interval for PCR efficiency or standard error 12 of standard curve Linear dynamic range  Cq variation at lower limit Confidence intervals throughout range Evidence for limit of detection  If multiplex, efficiency and LOD of each assay.  DATA ANALYSIS  qPCR analysis program (source, version)  Cq method determination Outlier identification and disposition  Results of NTCs  Justification of number and choice of reference genes  Description of normalisation method	E D D D E E E E E E E E E E E E E E E E	p10, line137-156
What splice variants are targeted?  ### Primer Sequences RTPrimerDB Identification Number Probe sequences Location and identity of any modifications Manufacturer of oligonucleotides Purification method #### Purification on the state of the	E D D D D D D D D D D D D D D D D D D D	p10, line137-156
What splice variants are targeted?  PTOR OLIGONUCLEOTIDES  Primer sequences  RTPrimerDB Identification Number  Probe sequences  Location and identity of any modifications  Manufacturer of oligonucleotides  Purffication method  qPCR PROTOCOL  Complete reaction conditions  Reaction volume and amount of cDNA/DNA  Primer, (probe), Mg++ and dNTP concentrations  Polymerase identity and concentration  Buffer/kit identity and manufacturer  Exact chemical constitution of the buffer  Additives (SYBR Green I, DMSO, etc.)  Manufacturer of plates/fubes and catalog number  Complete thermocycling parameters  Reaction setup (manual/robotic)  Manufacturer of qPCR instrument  qPCR VALIDATION  Evidence of optimisation (from gradients)  Specificity (gel, sequence, melt, or digest)  For SYBR Green I, Cg of the NTC  Standard curves with slope and y-intercept  PCR efficiency calculated from slope  Confidence interval for PCR efficiency or standard error  r2 of standard curve  Linear dynamic range  Cq variation at lower limit  Confidence intervals throughout range  Evidence for limit of detection  If multiplex, efficiency and LOD of each assay.  DATA ANALYSIS  qPCR analysis program (source, version)  Q a method determination  Outlier identification and disposition  Reaction and stage (RT or qPCR) to technical replicates  Number and stage (RT or qPCR) to technical replicates  Number and stage (RT or qPCR) to technical replicates	E D D D E E E E E E E E E E E E E E E E	p10, line137-156
What splice variants are targeted?  Primer sequences  RTPrimerDB Identification Number  Probe sequences Location and identity of any modifications  Manufacturer of oligonucleotidies  Puffication method  QPCR PROTOCOL  Complete reaction conditions  Reaction volume and amount of cDNA/DNA  Primer, (probe), Mg++ and dMTP concentrations  Polymerase identity and concentration  Buffer/kit identity and manufacturer  Exact chemical constitution of the buffer  Additives (SYBR Green I, DMSO, etc.)  Manufacturer of plates/tubes and catalog number  Complete thermocycling parameters  Reaction setup (manual/robotic)  Manufacturer of optimisation (from gradients)  Specificity (gel, sequence, melt, or digest)  For SYBR Green I, Q of the NTC  Standard curves with slope and y-intercept  PCR efficiency calculated from slope  Confidence interval for PCR efficiency or standard error  12 of standard curve  Linear dynamic range  Q a variation at lower limit  Confidence interval for PCR efficiency or standard error  12 of standard curve  Linear dynamic range  Q a variation at lower limit  Confidence interval to PCR efficiency or standard error  12 of standard curve  Linear dynamic range  Q a variation at lower limit  Confidence interval to PCR efficiency or standard error  12 of standard curve  Linear dynamic range  Q a variation at lower limit  Confidence interval to for GR efficiency or standard error  12 of standard curve  Linear dynamic range  Q a variation at lower limit  Confidence interval to for GR efficiency or standard error  13 of standard curve  Linear dynamic range  Q a variation at lower limit  Confidence interval for for GR efficiency or standard error  13 of standard curve  Linear dynamic range  Q a variation at lower limit  Confidence interval for for GR efficiency or standard error  14 of standard curve  Linear dynamics and the security of the s	E D D E E E E E E E E E E E E E E E E E	p10, line137-156
What splice variants are targeted?  Primer sequences  RTPrimerDB Identification Number Probe sequences Location and identity of any modifications  Manufacturer of oligonucleotides Purflication method  qPCR PROTOCOL  Complete reaction conditions Reaction volume and amount of cDNA/DNA Primer, (probe), Mg++ and dNTP concentrations Polymerase identity and concentration Buffer/kit identity and manufacturer Exact chemical constitution of the buffer Additives (SYBR Green I, DMSO, etc.) Manufacturer of plates/fubes and catalog number Complete thermocycling parameters Reaction setup (manual/robotic) Manufacturer of qPCR instrument qPCR VALIDATION Evidence of optimisation (from gradients) Specificity (gel, sequence, melt, or digest) For SYBR Green I, Q of the NTC Standard curves with slope and y-intercept PCR efficiency calculated from slope Confidence interval for PCR efficiency or standard error 2 of standard curve Linear dynamic range Cq variation at lower limit Confidence intervals throughout range Evidence for limit of detection If multiplex, efficiency and LOD of each assay.  DATA ANALYSIS qPCR analysis program (source, version) Cq method determination Outlier identification and disposition Results of NTCs Justification of normalisation method Number and stage (RT or qPCR) of technical replicates Repeatability (intra-assay variation)	E D D D E E E E E E E E E E E E E E E E	p10, line137-156
What splice variants are targeted?  Primer sequences RTPrimerDB Identification Number Probe sequences Location and identity of any modifications Manufacturer of oligonucleotides Purification method PCR RDTOCOL Complete reaction conditions Reaction volume and amount of cDNA/DNA Primer, (probe), Mg++ and dNTP concentrations Polymerase identity and concentration Buffer/Rt identity and manufacturer Exact chemical constitution of the buffer Additives (SYBR Green I, DMSO, etc.) Manufacturer of plates/fubes and catalog number Complete thermocycling parameters Reaction setup (manual/robotic) Manufacturer of opPCR instrument OpPCR VALIDATION Evidence of optimisation (from gradients) Specificity (gel, sequence, melt, or digest) For SYBR Green I, Cq of the NTC Standard curves with slope and y-intercept CPC Rificiency calculated from slope Confidence intervals for PCR efficiency or standard error 2 of standard curve Linear dynamic range Cq variation at lower limit Confidence intervals throughout range Evidence for limit of detection Urf multiplex, efficiency and LOD of each assay. DATA ANALYSIS QPCR analysis program (source, version) Cq method determination Outlier identification and disposition Results of NTCS Justification of normalisation method Number and stage (RT or qPCR) of technical replicates Number and stage (RT or qPCR) of technical replicates Number and stage (RT or qPCR) of technical replicates Number and stage (RT or qPCR) of technical replicates Number and stage (RT or qPCR) of technical replicates Number and stage (RT or qPCR) of technical replicates Number and stage (RT or qPCR) of technical replicates Number and stage (RT or qPCR) of technical replicates Number and stage (RT or qPCR) of technical replicates Number and stage (RT or qPCR) of technical replicates Number and stage (RT or qPCR) of technical replicates Number and stage (RT or qPCR) of technical replicates	E D D E E E E E E E E E E E E E E E E E	p10, line137-156

Table 1. MIQE checklist for authors, reviewers and editors. All essential information (E) must be submitted with the manuscript. Desirable information (D) should be submitted if available. If using primers obtained from RTPrimerDB, information on qPCR target, oligonucleotides, protocols and validation is available from that source.

<sup>\*:</sup> Assessing the absence of DNA using a no RT assay is essential when first extracting RNA. Once the sample has been validated as RDNA-free, inclusion of a no-RT control is desirable, but no longer essential.

<sup>\*\*:</sup> Disclosure of the probe sequence is highly desirable and strongly encouraged. However, since not all commercial pre-designed assay vendors provide this information, it cannot be an essential requirement. Use of such assays is advised against.