ITEM TO CHECK	IMPOR	TANCE	CHECKLIST
EXPERIMENTAL DESIGN Definition of experimental and control ensure			Experimental groups: Activated Raji cells treated with masilinic acid (19 µM) and incubated over a time-point period (4h, 8h, 12h, 24h and 48h; h = hours) Control arouns: Activated Raji cells treated with masilinic acid (19 µM) and incubated over a time-point period (4h, 8h, 12h, 24h and 48h; h = hours)
Number within each group Assay carried out by core lab or investigator's lab?	E)	n = 3
Acknowledgement of authors' contributions SAMPLE	E)	
Description	E		Raji cells, derived from human lymphoblastoid cell line were obtained from RIKEN cell bank. Only cultures with more than 90% cell viability as determined by trypan blue exclusion method were used for the antitumour-promoting bicassay.
Volumermass of sample processed Microdissection or macrodissection	E	, :	11 x 1// cells/mL of Kan cells RPMI1640 media supplemented with EBV-infected serum. The cell cultures were prepared in triplicates and the cells were maintained at 37 'C in 5% CO 2 atmosphere.
Processing procedure If frozen - how and how quickly?	E		Upon time-point incubation completion, cells were collected via centrifugation and (nucleic acid) extracted for downstream processing
If fixed - with what, how quickly? Sample storage conditions and duration (especially for FFPE samples)	E		Samples prepared fresh prior to nucleic acid extraction
NUCLEIC ACID EXTRACTION			A total of 1 x 10 6 cells/mI of Raji cells were incubated in 2 mI of RPMI complete growth medium containing 3 mM of SnB, 0.05 µMPMA and 19 µM mastinic acid at 37 10 is 5 % C0.2 strong have for 48 hours. The cells were bounded pariodically at 0.4, 8, 12, 24 and 48 hours and the sampler ware processed immediately with Total
Procedure and/or instrumentation Name of kit and details of any modifications	E		RNAProtein extraction kit (Macherey-Nagel, Germany). Eluted RNA and solubilised protein were stored in aliquots at -80 °C until further use. Total RNAProtein extraction kit (Macherey-Nagel, Germany)
Source of additional reagents used Details of DNase or RNAse treatment	E) I	RNaseZap® (Thermo Fisher Scientific, Cat.#AM9780)
Contamination assessment (DNA or RNA) Nucleic acid quantification	E		RNA concentration was determined by measuring the absorbance at 260 nm UV light
Instrument and memod Purity (A280/A280) Yield	C)	Nanodrope UV-Vis Spectrophotometer (implen, Germany) and 1.2 % denaturing agarose gel. 1.9-2.0
RNA integrity method/instrument RIN/RQI or Cq of 3' and 5' transcripts	E		RNA integrity as evaluated using 1.2 % denaturing agarose gel.
Electrophoresis traces Inhibition testing (Cq dilutions, spike or other)	E) [
			The Applause WT-Amp Plus ST System synthesizes microgram quantities of ST-cDNA starting with a total RNA input of at least 50 ng. In approximately seven hours, the system produces sufficient cDNA for labeling and subsequent hybridization to Gene Cbin Gene 1.0 ST and Evon 1.0 ST Arrays. The size of the maining of the cDNA
Complete reaction conditions Amount of RNA and reaction volume	E		products produced by the amplification process is between 0.1 and 2.0 kilobases. 20 ng/µL
Priming oligonucleotide (if using GSP) and concentration Reverse transcriptase and concentration	E		RNA was used to generate biotin-tabeled cDNA with the Applause WT-Amp ST System (NuGEN, CA) kit As prepared by Applause WT-Amp ST System (NuGEN, CA) kit in the form of a mastermix
			Program 1 Primer Annexing 65°C - 5 min, hold at 4°C
			Program 2 First Strand Synthesis 4 ¹ / _C = 1 min 2 ¹ / _C = 10 min
			20° − 15 min, 20° − 10 min, 20° − 10 min, 20° − 15 min, hold at 4°C
			Program 3 Second Strand Synthesis
			4*C - 1 min, 25*C - 10 min, 50*C - 30 min, 70*C - 5 min, hold at 4*C DOET SECOND STRAINE STRAINESENT
			Post-Second Strand Enhancement
			4°C – 1 min, 37°C – 15 min, 80°C – 20 min, hold at 4°C
			SPIA AMPLIFICATION Program 5
			SP/0 Amplinication 4°C - 1 min, 47°C - 90 min, 95°C - 5 min, biold at 4°C
			POST-SPIA MODIFICATION Program 6
			Post-SPIA Modification I 4"C - 1 min, 37"C - 15 min, 95"C - 5 min,
Temperature and time	E		hold at 4°C Program 7
Manufacturer of reagents and catalogue numbers Cqs with and without RT Storage conditions of CDNA	D	, ,	Applause W I-Amp S1 System (NuGEN, CA) kit
qPCR TARGET INFORMATION If multiplex, efficiency and LOD of each assay.	E		
			Solaris pre-designed assay
			AX-004397-00-0200 Solaris Human qPCR Gene Expression Assay, Human XAF1 (54739)
			AX-007881-00-0100 Solaris Human qPCR Gene Expression Assay, Human CXCL9 (4283)
			AX-004599-00-0200
			Solans Human qPCR Gene Expression Assay, Human IH44L (10964)
			Solaris Human qPCR Gene Expression Assay, Human DDX58 (23586)
			AX009768-00-0200 Solaris Human qPCR Gene Expression Assay, Human OAS2 (4939)
			Av-04235-00-0100 Relation Human - PCP Cone Expression Associations (SC-16 (/0292)
			Sulais Human (PCK Gene Expression Assay, Human GOTO (5050) AX-004253-00-0100
Sequence accession number Location of amplicon	E		Solaris Hman qPCR Gene Expression Assay, Human GAPDH (2597)
Amplicon length	E		BLAST analysis is a critical component of any comprehensive qPCR assay design protocol and BLAST analysis has been integrated into the Solaris design algorithm.
In silico specificity screen (BLAST, etc)	E		The algorithm ublizes genomic transcript and pseudogene databases to identity and eliminate sequences that are more likely to lead to erroneous priming and detection (i.e. off-target effects).
Securation)))	
Location of each primer by exon or intron (if applicable) What splice variants are targeted?	E		
gPCR OLIGONUCLEOTIDES			0AS2 GTGAACACCATCTGTGACG(F) TACCATCGGAGTTGCCTCTT (R) TGGACGGAAAACAGTCTTA (P)
			ISGIS INGUIGGGGGGCAACAAMI(P) GIGNICIGUGCITUAG (R) ICCANGUGG IGUGAGACAC (P) XAFI GCAGCCATATGACATTCTGAG (F) TAACCACCGGCATTTCTCCTGA (R) TCCTAATCAACCATCAG (P) CXCI 9 TTCTATTGACGTCCAGGAAC (P) CAAGGATTCATAGTGGATAGTC (R) TCACCACCAGCAGG (P)
			IF144L TTTGGAACTGGACCCCATGA (F) GCTCTAACGCTCTCTAA (R) TGAGGÁAACTGGTGCAAT (P) DDX58 GCGAATCAGATCCCAGTGTATG (F) GCCTGTAACTCTATACCCATGT (R) AAAATACTTTGAAAGAC (P)
Primer sequences RTPrimerDB Identification Number	E		ISAPUH GUUICAAGA ICATCAGCAATG (F) CTTCCACGATACCAAAGTTGTC (R) GCCAAGGTCATCCATGA (P)
Location and identity of any modifications Manufacturer of oliopopulations	E		Not applicable Thermo Scientific: USA
Purification method qPCR PROTOCOL		5	
			Reaction contains 1µL of cDNA aliquot and 9 µL of Solaris qPCR mastermix. The cycling conditions comprise a 15 minutes enzyme activation step at 95°C, followed by 40 cycles of denaturation step at 95°C for 15 seconds and annealing/extension step at 60°C for 60 seconds. The expression of the selected genes were normalized and the observation of the selected genes were normalized and the selected genes of 20°C for 15 seconds and annealing/extension step at 60°C for 60 seconds. The expression of the selected genes were normalized and the selected genes of 20°C for 15 seconds and annealing/extension step at 60°C for 60 seconds. The expression of the selected genes were normalized and the selected genes of 20°C for 15 seconds and annealing/extension step at 60°C for 60 seconds. The expression of the selected genes were normalized and
Longreter reaction conditions Reaction volume and amount of cDNA/DNA Primer, (note). Most- and eMTP concentrations	E	_	to a nousekeeping gene, GAPDH. 10µL B00 Abd of constrat and musice originary and 200 obt of case enarcific probe.
Polymerase identity and concentration Buffer/ki identity and manufacturer			Solaris oPCR masternix (Thermo Scientific, USA) Solaris oPCR masternix (Thermo Scientific, USA)
Exact chemical constitution of the buffer Additives (SYBR Green I, DMSO, etc.)	E		Solaris qPCR mastermix (Thermo Scientific, USA)
Manufacturer of plates/lubes and catalog number Complete thermocycling parameters	E		15 minutes enzyme activation step at 95°C, followed by 40 cycles of denaturation step at 95°C for 15 seconds and annealing/extension step at 60°C for 60 seconds.
ixeaccon serup (manual/tobotic) Manufacturer of qPCR instrument aPCR VALIDATION	E		RotorGene thermal-cycler (QIAGEN, Germany).
Evidence of optimisation (from gradients) Specificity (gel, sequence, melt, or digest)	E		Assay is pre-optimised as per suggested by manufacturer (Solaris pre-designed assays) Evaluated from the melt curve of the assay, no template control was included in every run
For SYBR Green I, Cq of the NTC Standard curves with slope and y-intercept	E		
PCR efficiency calculated from slope Confidence interval for PCR efficiency or standard error	E		
Li ne samano uMM Linear dynamic range Co variétion at lower limit	E		
Confidence intervals throughout range Evidence for limit of detection			
If multiplex, efficiency and LOD of each assay. DATA ANALYSIS	E		
qPCR analysis program (source, version) Cq method determination Outlier identification and disposition	E		Kotor-Genetis Q
Results of NTCs Justification of number and choice of reference genes	E		
Description of normalisation method Number and concordance of biological replicates	E		
Number and stage (RT or qPCR) of technical replicates Repeatability (intra-assay variation) Repeatability (i	E		n = 3 technical replicates
Integrouwwarmy umer/assay vanation, /ac.v) Power analysis Statistical methods for result significance		<u></u>	
Software (source, version) Cg or raw data submission using RDML	6		
Table 1. MIOF checklist for authors reviewers and editors. All essential information (F) must be submitted with the manuscript	Desirable		

revenue notes and the submitted if available. If using primers obtained from RTPrimerD6, information on qPCR target, oligonucleotides, protocols and validation is available from that source.

protocos ano valuation is available from that source. * Assessing the absence of DNA using a no RT assay is essential when first extracting RNA. Once the sample has been validated as RDNA-rise, inclusion of a no-RT control is desirable, but no longer essential.

**: 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.