



Title	Subtle changes in host cell density cause a serious error in monitoring of the intracellular growth of <i>Chlamydia trachomatis</i> in a low-oxygen environment: Proposal for a standardized culture method
Author(s)	Sakai, Kouhei; Matsuo, Junji; Watanabe, Takanori; Okubo, Torahiko; Nakamura, Shinji; Yamaguchi, Hiroyuki
Citation	Journal of microbiological methods, 153, 84-91 https://doi.org/10.1016/j.mimet.2018.09.007
Issue Date	2018-10
Doc URL	http://hdl.handle.net/2115/75976
Rights	© 2018. This manuscript version is made available under the CC-BY-NC-ND 4.0 license http://creativecommons.org/licenses/by-nc-nd/4.0/
Rights(URL)	http://creativecommons.org/licenses/by-nc-nd/4.0/
Type	article (author version)
Additional Information	There are other files related to this item in HUSCAP. Check the above URL.
File Information	TableS2.pdf (Supplementary data)



[Instructions for use](#)

Table S2. List of the genes loaded onto the Human Fibrosis RT² Profiler PCR Array

Abbreviation	Description	Function
Gene name		
ACTA2	Actin, alpha 2, smooth muscle, aorta	a
AGT	Angiotensinogen (serpin peptidase inhibitor, clade A, member 8)	a,e
AKT1	V-akt murine thymoma viral oncogene homolog 1	g
BCL2	B-cell CLL/lymphoma 2	h
BMP7	Bone morphogenetic protein 7	b,f,g
CAV1	Caveolin 1, caveolae protein, 22kDa	f,g
CCL11	Chemokine (C-C motif) ligand 11	a,d
CCL2	Chemokine (C-C motif) ligand 2	a,d
CCL3	Chemokine (C-C motif) ligand 3	a,d
CCR2	Chemokine (C-C motif) receptor 2	d
CEBPB	CCAAT/enhancer binding protein (C/EBP), beta	f
COL1A2	Collagen, type I, alpha 2	c,g
COL3A1	Collagen, type III, alpha 1	c,g
CTGF	Connective tissue growth factor	a,e
CXCR4	Chemokine (C-X-C motif) receptor 4	d
DCN	Decorin	f
EDN1	Endothelin 1	e
EGF	Epidermal growth factor	e
ENG	Endoglin	f
FASLG	Fas ligand (TNF superfamily, member 6)	h
GREM1	Gremlin 1	a,f
HGF	Hepatocyte growth factor (hepapoietin A; scatter factor)	b,e
IFNG	Interferon, gamma	b,d
IL10	Interleukin 10	b,d
IL13	Interleukin 13	a,b,d
IL13RA2	Interleukin 13 receptor, alpha 2	a,b,d
IL1A	Interleukin 1, alpha	d
IL1B	Interleukin 1, beta	d
IL4	Interleukin 4	a,d
IL5	Interleukin 5 (colony-stimulating factor, eosinophil)	a,d
ILK	Integrin-linked kinase	d,g
INHBE	inhibin, beta E	f
ITGA1	Integrin, alpha 1	c
ITGA2	Integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor)	c
ITGA3	Integrin, alpha 3 (antigen CD49C, alpha 3 subunit of VLA-3 receptor)	c
ITGAV	Integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51)	c,g
ITGB1	Integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)	c,g
ITGB3	Integrin, beta 3 (platelet glycoprotein IIIa, antigen CD61)	c
ITGB5	Integrin, beta 5	c
ITGB6	Integrin, beta 6	c
ITGB8	Integrin, beta 8	c
JUN	Jun proto-oncogene	f
LOX	Lysyl oxidase	c
LTP1	Latent transforming growth factor beta binding protein 1	f
MMP1	Matrix metalloproteinase 1 (interstitial collagenase)	c
MMP13	Matrix metalloproteinase 13 (collagenase 3)	c
MMP14	Matrix metalloproteinase 14 (membrane-inserted)	c
MMP2	Matrix metalloproteinase 2 (gelatinase A, 72kDa gelatinase, 72kDa type IV collagenase)	c,g
MMP3	Matrix metalloproteinase 3 (stromelysin 1, progelatinase)	c,g
MMP8	Matrix metalloproteinase 8 (neutrophil collagenase)	c
MMP9	Matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase)	c,g
MYC	V-myc myelocytomatosis viral oncogene homolog (avian)	f
NFKB1	Nuclear factor of kappa light polypeptide gene enhancer in B-cells 1	f
PDGFA	Platelet-derived growth factor alpha polypeptide	e
PDGFB	Platelet-derived growth factor beta polypeptide	e
PLAT	Plasminogen activator, tissue	c
PLAU	Plasminogen activator, urokinase	c
PLG	Plasminogen	c
SERPINA1	Serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1	c
SERPINE1	Serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1	c,g
SERPINH1	Serpin peptidase inhibitor, clade H (heat shock protein 47), member 1, (collagen binding protein 1)	c
SMAD2	SMAD family member 2	f,g
SMAD3	SMAD family member 3	f
SMAD4	SMAD family member 4	f
SMAD6	SMAD family member 6	f
SMAD7	SMAD family member 7	f
SNAI1	Snail homolog 1 (Drosophila)	a,g
SP1	Sp1 transcription factor	f
STAT1	Signal transducer and activator of transcription 1, 91kDa	f
STAT6	Signal transducer and activator of transcription 6, interleukin-4 induced	f
TGFB1	Transforming growth factor, beta 1	f,g
TGFB2	Transforming growth factor, beta 2	f,g
TGFB3	Transforming growth factor, beta 3	f,g
TGFB1	Transforming growth factor, beta receptor 1	f
TGFB2	Transforming growth factor, beta receptor II (70/80kDa)	f
TGIF1	TGFB-induced factor homeobox 1	f
THBS1	Thrombospondin 1	f
THBS2	Thrombospondin 2	f
TIMP1	TIMP metalloproteinase inhibitor 1	c,g
TIMP2	TIMP metalloproteinase inhibitor 2	c
TIMP3	TIMP metalloproteinase inhibitor 3	c
TIMP4	TIMP metalloproteinase inhibitor 4	c
TNF	Tumor necrosis factor	d
VEGFA	Vascular endothelial growth factor A	e
ACTB	Actin, beta	
Internal control		
B2M	Beta-2-microglobulin	
GAPDH	Glyceraldehyde-3-phosphate dehydrogenase	
HPRT1	Hypoxanthine phosphoribosyltransferase 1	
RPLP0	Ribosomal protein, large, P0	

a: Pro-Fibrotic, b: Anti-Fibrotic, c: Extracellular Matrix (ECM) & Cell Adhesion Molecules, d: Inflammatory Cytokines & Chemokines, e: Growth Factors, f: Signal Transduction, g: Epithelial-to-Mesenchymal Transition (EMT), h: Other Fibrosis Genes