

## Electronic Supplementary Information

### **A molecular analysis of the toxicity of alkyltributylphosphonium chlorides in *Aspergillus nidulans***

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**Table 1.** List of the designed *qRT-PCR* oligonucleotides (forward and reverse) used in this study. The selected genes are involved in plasma membrane and cell wall biosynthesis, and in the cell wall integrity pathway of *Aspergillus nidulans*.  $\gamma$ -actin (*actA*) and  $\beta$ -tubulin (*tubC*) genes were selected as housekeeping (internal control).

Name	Gene (Code)	Sequence (5' to 3')	Source
<i>Plasma membrane biosynthetic genes</i>			
HMGR1f	<i>HMGR1</i> (AN3817)	AAGCACTCCATGTCATGGCTA	This study
HMGR1r	<i>HMGR1</i> (AN3817)	TAATAGCCTCAGCCACAACCTGA	This study
AN9407F	<i>fasA</i> (AN9407)	CTTCAAAGCAAGGTCTTCCTGA	This study
AN9407R	<i>fasA</i> (AN9407)	CGCCAGGGACTCAATCACA	This study
barAf	<i>barA</i> (AN4332)	GTGGTGCTCAACCTGATGGA	This study
barAr	<i>barA</i> (AN4332)	TGGGTACATGATATGGCGTGA	This study
lagAf	<i>lagA</i> (AN2464)	TCCCCACAGAGAGCACGAA	This study
lagAr	<i>lagA</i> (AN2464)	GATGATGTGGTGGCCCACA	This study
<i>Cell wall biosynthetic genes</i>			
gfaA2f	<i>gfaA</i> (AN10709)	CCGTTTCGAGACTGAGACAGA	This study
gfaA2r	<i>gfaA</i> (AN10709)	GATCAGGAGGCCGAAAGCA	This study
chsBf	<i>chsB</i> (AN2523)	CTTGAACGTTTACGCCTTCAGC	Fujioka <i>et al.</i>
chsBr	<i>chsB</i> (AN2523)	TCGTCCAGACTCTTCTCTTCC	Fujioka <i>et al.</i>
fksAf	<i>fksA</i> (AN3729)	CTCAGCAGACTTCGTCATTGG	Fujioka <i>et al.</i>
fksAr	<i>fksA</i> (AN3729)	CAGAATAGCGAAACGGACCAC	Fujioka <i>et al.</i>
agsBf	<i>agsB</i> (AN3307)	ATCGGACACTACCTTCCCTG	Fujioka <i>et al.</i>
agsBr	<i>agsB</i> (AN3307)	GACTTGGCTGACGATCAACG	Fujioka <i>et al.</i>
<i>Cell wall integrity pathway genes</i>			
AN5660F	<i>wscA</i> (AN5660)	GGATGCGCGAAATGAGCAA	This study
AN5660R	<i>wscA</i> (AN5660)	GGCAGAGAAATCTCGGTCA	This study
mpkAf	<i>mpkA</i> (AN5666)	GACATCCGTCCAGACACTCA	Fujioka <i>et al.</i>
mpkAr	<i>mpkA</i> (AN5666)	AGTAAAGATGAGGTGTCGTCGA	Fujioka <i>et al.</i>
<i>Housekeeping genes</i>			
ACTF	<i>actA</i> (AN6542)	CTGGGACGACATGGAGAAGAT	This study
ACTR	<i>actA</i> (AN6542)	GTAGATGGGGACGACGTGAG	This study
TUBCF	<i>tubC</i> (AN6838)	TGGATCCCCAACAACGTCCA	This study
TUBCR	<i>tubC</i> (AN6838)	CTCAGCCTCAGTGAACCTCCA	This study

T. Fujioka, O. Mizutani, K. Furukawa, N. Sato, A. Yoshimi, Y. Yamagata, T. Nakajima and K. Abe, *Eukaryot. Cell*, 2007, **6**, 1497-1510.