

<i>A. astaci</i> CHI3 (FJ457089)	TCAAGCAAAGCAAAGGCT	CCATTGGCGGGTGGACGTTGA	TCCATCGCGAGCACGGA
<i>A. astaci</i> CHI2 (DQ974157)	.....	.....	.....A..
<i>A. astaci</i> CHI1 (AY866375)	.....	.....	.....
<i>A. frigidophilus</i> SAP472, CHI1 (GQ152605)	.....GCGC..C	.G..C.....C..	GG.....
<i>A. frigidophilus</i> NJM 9665, CHI1 (GQ152604)	.....GCGC..C	.G..C.....C..	GA.....
<i>A. invadans</i> CHI1 (GQ374536)	A.....TC...A.....TTC	.....T.....	GA.....CGA.T....
<i>A. laevis</i> CHI1 (AY866379)	A.....TC...A.GC..TTC	....C..T..C.....TC.C.	GG.....C.....C..
<i>A. repetans</i> CHI1 (EU523123)	A.....TC...A.GC..TTC	....C.....A.....CC.C.	GG.....C.....C..
<i>A. helicoides</i> CHI1 (AY866380)	A.....TC...A.GC..TTC	....C.....C.....CC.C.	AG.....C.....C..
<i>Leptolegnia caudata</i> CHI1 (AY866382)	A....ATG...A.G...TT.	.G..C.....C.....	GG.T.T..C.....C..
<i>Saprolegnia parasitica</i> CHI1 (AY866378)	A....ATG...A.GGTCCA.	.G..C..T..C.....C.C.	GG.T.T..AGC...C..
<i>Achlya racemosa</i> CHI1 (AY866381)	AT...ATG..AA.G...TAC	.T..C.....T.....C.C.	GGGT.TT.T.....
<i>Trichosporon cutaneum</i> CHI1 (AY866377)	A....ATG..AA.G.C.CAC	.G..C.....C.....C.C.	GG.T.T...GCG..C..
<i>Fusarium solani</i> CHI1 (AY866376)	A.CTC.TC...AGGCGCAAC	.AG.C..A..A.....C.AC.	G.TCC...T.....CCC

Additional file 7.

TaqMan qPCR assay design for sensitive detection and quantification of *A. astaci*.

Target sites of primers and probe are highlighted by arrows and line, respectively. Parentheses contain GenBank accession numbers. Primers of the TaqMan qPCR and qPCR/MCA assays are identical except the deleted nucleotide at the very 5' end of the reverse primer used in qPCR/MCA (Figure 5a).