

**Appendix A:** the gene sequences of the *Neopestalotiopsis eucalypti* isolates in this study

Fungal strain	Gene (Accession number)	DNA Sequence
	ITS (MZ947167)	GTCCCACCCATGTGAACTTACCTTTTGTTCCTCGGCAGAAGTTATAGGTCTTCTTATAGCTGCTGCCGGTGGACCATTAAACTCTTGTTATTTTATGTAATC TGAGCGTCTTATTTTAATAAGTCAAACTTTCAACAACGGATCTCTTGGTTCTGGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGA ATTCAGTGAATCATCGAATCTTTGAACGCACATTGCGCCATTAGTATTCTAGTGGGCATGCCTGTTGAGCGTCATTTCAACCCTTAAGCCTAGCTTAGTGT TGGGAATCTACTTCTTTTATTAGTTGTAGTTCTGAAATACAACGGCGGATTTGTAGTATCCTCTGAGCGTAGTAATTTTTTTTTCTCGCTTTTGTAGGTGCT ATAACTCCCAGCCGCTAAACCCCAATTTTTTGTGGTTGACCTCGGATCAGGTAGGAATACCCGCTGAACTTAAGCATATCAAAA
QN5071	<i>Tub2</i> (OK017475)	GTCTGCCTCGACACGGCCTTGATACGACGTTTTTTCGTGCCTGCACGACGGCCCCGAACAGTGAATTAGGTCAAGATAGAGGGAACATGATGCTAATAGGTCAT TGATAGGCAAACCATCTCTGGCGAGCACGGTCTCGACAGCAATGGAGTGTATGTACTATTTTCAATTCCCTCCTGCTTCCCTGTTGAGCTTGTAGGCTGACTCGA TGGCCATTTAGCTACAACGGTACCTCCGAGCTCCAGCTCGAGCGTATGAGCGTCTACTTCAACGAGGCTTCCGGTAACAAGTACGTTCCCTCGTGCCGTCTCG TCGATCTCGAGCCCGGTACCATGGATGCCGTCCGCGCCGGTCCCTTCGGCCAGCTCTTCCGCCCTGACAACTTCGTCTTCGGTCAGTCCGGTGCTGGCAACAA CTGGGCCAAGGGTC
	<i>Tef</i> (OK042835)	TCATCCCCCTTCACTTACAGCATCATAATTTTCAACCTACGTGTTGAAAATTATTTTTCGCTCCTTCCACACTTTTTTTCGCTGTTACCCCGCCGCGAGGCACCC GCACGACCCCGCGGTGCAAACGAAAAATTTCTTATCACAGCCCCACCTTGCACAAGCAACCATGCATTGCTCATGAGACCCACTTTGAACAATTGCTAATGCC TTCATACAGGAAGCCGCGAGCTCGGTAAGGGTTCTTCAAGTACGCCTGGGTTCTTGACAAGCTCAAGGCCGAGCGTGAGCGTGGTATCACCATCGATATCG CTCTCTGGAAGTTCGAGACCAACGAGTACAATGTCACCGTCATTGGTTAGTACCCCTCCACCTATGCCATGTGCTGCTCCATAAGACACTTGACTAACCTTGC TTCATAGACGCTCCCGGTACCCGTGATTTTCATCAAGAACATGAT
	ITS	CTCCCACCCATGTGAACTTACCTTTTGTTCCTCGGCAGAAGTTATAGGTCTTCTTATAGCTGCTGCCGGTGGACCATTAAACTCTTGTTATTTTATGTAATC

---

(MZ948830)

TGAGCGTCTTATTTTAATAAGTCAAAACTTTCAACAACGGATCTCTTGGTTCTGGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAA  
TTCAGTGAATCATCGAATCTTTGAACGCACATTGCGCCATTAGTATTCTAGTGGGCATGCCTGTTTCGAGCGTCATTTCAACCCTTAAGCCTAGCTTAGTGTTG  
GGAATCTACTTCTTTTATTAGTTGTAGTTCCGAAATACAACGGCGGATTTGTAGTATCCTCTGAGCGTAGTAATTTTTTTTCTCGCTTTTGTAGGTGCTATA  
ACTCCCAGCCGCTAAACCCCAATTTTTTGTGGTTGACCTCGGATCAGGTAGGAATACCCGCTGAACTTAAGCATATCAAAG

QN5072 *Tub2*

(OK017474)

CTGTCTGCTCGACACGGCCTTGATACGACGTTTTTTCGTGCCTGCACGACGGCCCCGAACAGTGAATTAGGTCAAGATAGAGGGAACATGATGCTAATAGGTCAT  
TGATAGGCAAACCATCTCTGGCGAGCACGGTCTCGACAGCAATGGAGTGTATGTACTATTTTCAATTCCCTCCTGCTTCCCTGTTGAGCTTGTAGGCTGACTCGAT  
GGCCATTTAGCTACAACGGTACCTCCGAGCTCCAGCTCGAGCGTATGAGCGTCTACTTCAACGAGGCTTCCGGTAACAAGTACGTTCCCTCGTGCCGCTCCTCGTC  
GATCTCGAGCCCGGTACCATGGATGCCGTCCGCGCCGGTCCCTTCGGCCAGCTCTTCCGCCCTGACAACTTCGTCTTCGGTCAGTCCGGTGCTGGCAACAACCTG  
GGCCAAGGGTC

*Tef*

(OK042836)

TCATCCCCCTTCACTTCAGCATCATAATTTTCAACCTACGTGTTGAAAATTATTTTCGCTCCTTCCACACTTTTTTCGCTGGTTACCCCGCCGCGAGGCACCCG  
CACGACCCCGCGGTGCAAACGAAAAATTTCTTATCACAGCCCCACCTTGCACAAGCAACCATGCATTGCTCATGAGACCCACTTTGAACAATTGCTAATGCCTT  
CATAACAGGAAGCCGCGAGCTCGGTAAGGGTTCCCTTCAAGTACGCCTGGGTTCTTGACAAGCTCAAGGCCGAGCGTGAGCGTGGTATCACCATCGATATCGCTC  
TCTGGAAGTTCGAGACCAACGAGTACAATGTCACCGTCATTGGTTAGTACCCCTCCACCTATGCCATGTGCTGCTCCATAAGACACTTGACTAACCTTGCTTCA  
TAGACGCTCCCGGTCACCGTGATTTTCATCAAGAACATGA

ITS

(MZ956121)

CTCCCACCCATGTGAACTTACCTTTTTGTTGCCTCGGCAGAAGTTATAGGTCTTCTTATAGCTGCTGCCGGTGGACCATTAAACTCTTGTTATTTTATGTAATCT  
GAGCGTCTTATTTTAATAAGTCAAAACTTTCAACAACGGATCTCTTGGTTCTGGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAAT  
TCAGTGAATCATCGAATCTTTGAACGCACATTGCGCCATTAGTATTCTAGTGGGCATGCCTGTTTCGAGCGTCATTTCAACCCTTAAGCCTAGCTTAGTGTTGG  
GAATCTACTTCTTTTATTAGTTGTAGTTCCGAAATACAACGGCGGATTTGTAGTATCCTCTGAGCGTAGTAATTTTTTTTCTCGCTTTTGTAGGTGCTATAA  
CTCCCAGCCGCTAAACCCCAATTTTTTGTGGTTGACCTCGGATCAGGTAGGAATACCCGCTGAACTTAAGCATATCAAAG

---

---

QN5073 *Tub2* CTGTCTGCCTCGACACGGCCTTGATACGACGTTTTTCGTGCCTGCACGACGGCCCCGAACAGTGAATTAGGTCAAGATAGAGGGAACATGATGCTAATAGGTCAT  
TGATAGGCAAACCATCTCTGGCGAGCACGGTCTCGACAGCAATGGAGTGTATGTACTATTTTCAATTCCTCCTGCTTCCTGTTGAGCTTGTAGGCTGACTCGATG  
(OK017476) GCCATTTAGCTACAACGGTACCTCCGAGCTCCAGCTCGAGCGTATGAGCGTCTACTTCAACGAGGCTTCCGGTAACAAGTACGTTCCCTCGTGCCGTCCCTCGTCGA  
TCTCGAGCCCCGGTACCATGGATGCCGTCCGCGCCGGTCCCTTCGGCCAGCTCTTCCGCCCTGACAACCTTCGTCTTCGGTCAGTCCGGTGCTGGCAACAACCTGGGC  
CAAGGGTC

*Tef* TCATCCCCCTTCACTTCAGCATCATAATTTTCAACCTACGTGTTGAAAATTATTTTCGCTCCTTCCACACTTTTTTCGCTGGTTACCCCGCCGCGAGGCACCCGCA  
CGACCCCGCGGTGCAAACGAAAAATTTCTTATCACAGCCCCACCTTGACACAAGCAACCATGCATTGCTCATGAGACCCACTTTGAACAATTGCTAATGCCTTCATA  
(OK042837) CAGGAAGCCGCCGAGCTCGGTAAGGGTTCCTTCAAGTACGCCTGGGTTCCTTGACAAGCTCAAGGCCGAGCGTGAGCGTGGTATCACCATCGATATCGCTCTCTGGA  
AGTTCGAGACCAACGAGTACAATGTCACCGTCATTGGTTAGTACCCCTCCACCTATGCCATGTGCTGCTCCATAAGACACTTGACTAACCTTGCTTCATAGACGCT  
CCCGGTCACCGTGATTTTCATCAAGAACATGAC

---