

**Table S2**

Oligonucleotide primers.

Primer Name	Application	Sequence
folX-5	pDW112	CACCATGGCACAACCTGCCGC
folX-3	pDW112	TTAACGCTGCCAGCTTAAGG
Z2714-5	pDW114	CACCATGATATGGAAACGAAAAATC
Z2714-3	pDW114	TCACAAAATGGCGGTTCGTCATC
Z3974-5	pDW115	CACCATGACTACATTACGTCAGC
Z3974-3	pDW115	TTACATCCGCATGGAAAC
tpx-5	pDW111	CACCATGTCACAAACCGTTCATTTTC
tpx-3	pDW111	TTATGCTTTTCAGTACAGCCAG
wrbA-5	pDW113	CACCATGGCACGCGCAGTCGC
wrbA-3	pDW113	TTAGCCATTAAGTTTAACTGCC
stcE5bgl	pDW116	GAAGATCTATGAACACTAAAATGAATGAGAG
stcE3Hind	pDW116	CCCAAGCTTTTATTTATATACAACCCTCATTGAC
Tpxlh-5Hind	pDW132	CCCAAGCTTACTGACCTGCGGCACCAG
Tpxlh-3bamH	pDW132	CGGGATCCTTGTGACATGATTATCTTTCCTG
Tpxrh-5BamH	pDW133	CGGGATCCGTTAATATGCCTGATGGTGTTG
Tpxrh-3Kpn	pDW133	GGGGTACCGCCGCCAGGACGTCAGC
wrbAlh-5Hind	pDW138	CCCAAGCTTGACCAGAGATGAGTTTAGCC
wrbAlh-3BamH	pDW138	CGGGATCCCGCGTGCCATCGTTTCAACA
wrbArh-5bamH	pDW139	CGGGATCCTTCAACAGGAGGATACGC
wrbArh-3kpn	pDW139	GGGGTACCTTTCCGATGGATCAGGTGG
folXlh-5kpn	pDW135	GGGGTACCAAATGTTACCCGCTGTGAG
folXlh-3xma	pDW135	TCCCCCGGGCCATTGCAGTTCTCCGTTG
folXrh-5BamH	pDW136	CGGGATCCCCTTAAGCTGGCAGCGTTAAC
folXrh-3Hind	pDW136	CCCAAGCTTGCCACTAACCTGTAACACC
wrbASF5	pDW126	CACCATGGCTAAAGTTCTGGTGC
wrbASF3	pDW126	TTAGCCGTTAAGTTTAACTG
wrbAST5	pDW129	CACCATGGCAAAGATTCTGGTGC
wrbAST3	pDW129	TTAGCCGTTGAGTTTGACTG
wrbAYP5	pDW123	CACCATGGCGAAAATTTAGTACTC
wrbAYP3	pDW123	TCAACCCTTCAGCTTGCC
wrbAPA5	pDW142	CACCTTGAGCAGTCCCTACATCC
wrbAPA3	pDW142	TCAACTCCCCAGCTTGCCG
tpxST5	pDW127	CACCATGTCACAGACTGTACATTTTC
tpxST3	pDW127	TTATGCCTTCAGGACATTAAG
tpxYP5	pDW121	CACCATGACACAGACCGTACATTTTC
tpxYP3	pDW121	TTATTTTCAGTGCAGCCAGCG
tpxSF5	pDW124	CACCATGTCACAAACCGTTCATTTTC
tpxSF3	pDW124	TTATGCTTTTCAGTACAGCCAG
tpxPA5	pDW130	CACCATGGCTCAAGTGACTCTCAAG
tpxPA3	pDW130	TCAGAGAGCCGCCAGGGC
folXSF5	pDW125	CACCATGGCACAACCTGCCGC
folXSF3	pDW125	TTAACGCTGCCAGCTTAAGG
folXPA5	pDW122	CACCATGCCGCGACTGGAACCG
folXPA3	pDW122	TCAGCGGTGGCCGGCGAG
folBYP5	pDW143	CACCATGGACATCGTATTTATTGAGG
folBYP3	pDW143	TCAGCTTAGCCGTTGGCCAC
folBPA5	pDW131	CACCGTGGACAGAGTTTTTATCGAAG
folBPA3	pDW131	TCAGCGACATCCGCGTTTCGATC
folBST5	pDW128	CACCGTGATGGATATTGTATTTATAG
folBST3	pDW128	TTATTTTCAGATTATTGCCACGC
C61S3-EC	pDW141-C61S	CGTACTGATGCGGCCGAAACACCGGTATC
C61S5-EC	pDW141-C61S	GATACCGGTGTTTCGGCCGCATCAGTACG
C61S3-YP	pDW121-C61S	CGTACCGAGGCGGCCGAAACGCCGGTATC
C61S5-YP	pDW121-C61S	GATACCGGCGTTTCGGCCGCCTCGGTACG
16s5q	qPCR	ATTGACGTTACCCGCAGAAG
16s3q	qPCR	CGCTTTACGCCAGTAATTC

gapA5q	qPCR	GGGACGAAGTTGGTGTTGAC
gapA3q	qPCR	AACCACTTTCTTCGCACCAG
escJ5q	qPCR	TTAGTGGCATCGCCATCAC
escJ3q	qPCR	CTGCAATCGATAACACCAGGTA
fliC5q	qPCR	CAGCAGGTAATACACCATCG
fliC3q	qPCR	GCTTTAGCTGCGCTACCAGC
tpx5BamHI	pDW144	CGGGATCCTAGGTGTGACGTAACTATATG
tpx3EcoRI	pDW144	CGGAATTCTTATGCTTTCAGTACAGCCAG
folX5BamHI	pDW145	CGGGATCCGTTCTCGTGTATTATTCATCC
folX3EcoRI	pDW145	CGGAATTCTTAACGCTGCCAGCTTAAGG
wrbA5BamHI	pDW146	CGGGATCCGCTACGGAATAGAGATAACAC
wrbA3EcoRI	pDW146	CGGAATTCTTAGCCATTAAGTTAACTGCC