

**Supplemental Table 2.** Primers used in this study.

Primer	Sequence	Purpose
noxAf	CTTCAGAACCGCGACTAGCA	pPN70 isolation
noxAr	TGCAGAGGAGCATGACATGT	pPN70 isolation
noxAf2	CAACAGAAATTACCATGGCG	noxA expression; noxA cDNA; pPN75 replacement screen
noxAr2	GAACTGGACCTCGACGACAT	noxA expression; pPN75 replacement screen
efnox1a	CAAGCAAAGCTCTACGATGG	DNA sequencing
efnox1b	GCTTTTGCATGCGGACTTGA	noxA cDNA
efnox1e	GCTGACTTCCTCCTGAGGTT	DNA sequencing
Pefnox1Ba	GGAT <u>CCA</u> AGCTGAGTAGCAGAC <sup>1</sup>	DNA sequencing
Pefnox1Nc	<u>CCGCCATGGTAATTTCTGTTGC</u> <sup>1</sup>	DNA sequencing
ANCI1	TGAACACACCCAGGTCAATC	DNA sequencing
ANCI2	CGTCGAATTCCCTCAAGATCC	DNA sequencing
ANCI3	GGCCGAATATGTTGCTCCCA	DNA sequencing
Xbxh1	AGCCATGCGTGTATCAGCAG	DNA sequencing
efnox1f	GACGAGACATGGCATAGCAT	DNA sequencing
nox2a	G <u>CCCA</u> T <u>TGGA</u> CAACTTTGC <sup>1</sup>	noxB degenerate PCR; noxB probe (Fig 5B)
nox2b	TGGCAGT <u>TCT</u> GGATGTACGG <sup>1</sup>	noxB degenerate PCR
nox2c	TTGGTGT <u>GCT</u> CCTTCTTGAT <sup>1</sup>	noxB degenerate PCR
nox2d	TTGGGACCGCAGAAGAACAC	noxB degenerate PCR; noxB probe (Fig 5B)
nox2e	AAAAGTTTGACCGATGGATG	pPN78 replacement screen; noxB expression,

		noxB cDNA
nox2f	CTTGTTTTTGGCAGCGACCT	DNA sequencing
Nox2g	AAGATGAGCGCATGCGTGAG	DNA sequencing
Nox2h	CAGCTCACTGCACGTGTACT	DNA sequencing
nox2i	CGACCTCAACATGGGATATC	DNA sequencing
nox2j	AATGGAGGCAAACGGCGTGA	pPN78 replacement screen; noxB expression
nox2k	TGGCGGCAAGTCGAATGAAT	pPN78 replacement screen (3')
nox2l	ATCAACCCAGAACAGCCCAT	pPN78 replacement screen (5')
efnox2m	AAGGTCGGGAGATCCACATC	DNA sequencing
efnox2n	GTCGGTCTTGTACACATGAG	DNA sequencing
efnox2o	AACCATCCAGGTCCATAGGC	DNA sequencing
efnox2p	CATGTGTACAAGACCGACAG	DNA sequencing
efnox2q	TCTTGTTACCGTCCAGAATC	DNA sequencing
efnox2r	AACCTATTTCGTACCGTCTCC	DNA sequencing
efnox2s	TTCAGGCACAAGAGGGTCGT	DNA sequencing
efnox2t	CTTGTATGACATCGTTGTGG	DNA sequencing
efnox2u	GCCCCAAACATACGAGAATC	noxB cDNA
Sm1.2hr	<u>CTCGAGACGGTACGAATAGGTT</u> <sup>1</sup>	pPN78 construct preparation
Xh2.8Hf	<u>AAGCTTGTGGCAATACCATCC</u> <sup>1</sup>	DNA sequencing
Xh2.8spe	<u>GAACTAGTGCGGGTCAATACAT</u> <sup>1</sup>	pPN78 construct preparation
pII99-1	CTTTGAACAGCGACGGTC	pPN78 replacement screen (5')
pII99-2	TTGAGTGAGCTGATACCG	PCR of pPN78 for noxB replacement

pII99-3	GGCTGGCTTAACTATGCG	FR2/pPN74 PCR screen; PCR of pPN74 for noxA probe (Fig 5B);PCR of pPN78 for noxB replacement
pII99-4	CCCAGAATGCACAGGTAC	pPN78 replacement screen (3'); FR2/pPN74 PCR screen; PCR of pPN74 for noxA probe (Fig 5B)
T1.1	GAGAAAATGCGTGAGATTGT	tubB expression
T1.2	TGGTCAACCAGCTCAGCACC	tubB expression
pgpdNc	CCATGGTGATGTCTGCTCAA	pPN82 construct preparation (Pgpd)
TnotI	ATAGCGGCCGCACTTAACGTTA	pPN82 construct preparation (TtrpC)
Tsc2	GCCCCGCGTTACTATTGTATAC	pPN82 construct preparation (TtrpC)
M13F	GCCAGGGTTTTCCCAGTCACGA	PCR of pPNXX for pPN71 isolation; PCR of pPN75 for noxA replacement
M13R	GAGCGGATAACAATTTACACAGG	PCR of pPNXX for pPN71 isolation; PCR of pPN75 for noxA replacement; pPN82 construct preparation (Pgpd)
LpPR1-F	ACGGCGAGAACATCTTCTGG	PR1 expression
LpPR1-R	CGCCGAGGTTGTTGTCGCAG	PR1 expression
LpPR5-F	GCCAGTGGGCGGTGGTAGGC	PR5 expression
LpPR5-R	ATGCCGATGTTGAACCCGTC	PR5 expression
Lp-actin-F	GCTGTTTTCCCTAGCATTGTTGG	Act1 expression
Lp-actin-R	ATAAGAGAATCCGTGAGATCCCG	Act1 expression
endo1	ACCCTTTGACTACGTGG	Real time PCR

endo2 AGATGTTGTGGGCGAC

Real time PCR

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<sup>1</sup>Bases underlined are mismatches to *E. festucae* sequence