ataatcgcagcaccacttc**agagttgtctagaatcacgcggtccggatgtgtgctgagccgaatgaaagttgcct**

Promotor repeat region

aattactaaggtgtagttccagcataccatacaccctaactcatactacggtaggtagatctacttacctatgaa

cctatattggtaggtaggtgaatataaaatacagcatggaacatgtttttcatt**agct**ggtctctcattcgtcct

tgtcctaggccttaaggaatccagtatatgaaataatccctcttatccattttcctcctattctttttcatttcc

ctcatcactgcaactctaatcctcgggctcaccctccctgtgtctcctcgaaATGGTGCCGATGCTATGGCTTAC

TSS--> M V P M L W L T

GGCCTACATGGCCGTTGCGGTGCTGACGGCAATCTTGCTCAATGTTGTTTATCAATTATTCTTTCGGCTTTGGAA

A Y M A V A V L T A I L L N V V Y Q L F F R L W N

22

CCGAACAGAACCGCCAATGGTCTTTCATTGGGTCCCATTTCTGGGTAGTACCATCAGTTACGGGATTGATCCCTA

R T E P P M V F H W V P F L G S T I S Y G I D P Y

46 52 **54**

CAAGTTCTTCTTTGCGTGCAGAGAAAAgcaagtctcaagattgtagtttgacattcattcctgggcgcattgctg

K F F F A C R E K ------------------------------------------------

intron

agtattgctttcttaaccggcagGTATGGCGATATCTTCACTTTTATACTGTTGGGTCAAAAAACCACAGTCTAC

----------------------- Y G D I F T F I L L G Q K T T V Y

CTGGGCGTTCAGGGGAACGAGTTTATTCTCAACGGCA**AGCT**CAAGGATGTCAATGCGGAAGAGGTCTATAGTCCA

L G V Q G N E F I L N G K L K D V N A E E V Y S P

88 **98** 101

TTGACGACCCCCGTTTTCGGATCGGACGTGGTGTATGATTGTCCCAATTCCA**AGCT**GATGGAGCAGAAAAAGTTC

L T T P V F G S D V V Y D C P N S K L M E Q K K F

**121** 125 130

ATCAAGTACGGCTTGACTCAGTCTGCGTTAGAGTCTCATGTGCCACTTATTGAGAAGGAGGTTTTGGACTATCTG

I K Y G L T Q S A L E S H V P L I E K E V L D Y L

**138** 141 147

CGCGATTCACCGAACTTTCAAGGCTCGTCCGGCCGGATGGACATCTCTGCGGCAATGGCTGAGATTACCATTTTT

R D S P N F Q G S S G R M D I S A A M A E I T I F

172

ACCGCTGCTCGAGCCCTCCAAGGCCAGGAAGTTCGTTCCAAACTCACGGCTGAGTTCGCTGACCTCTATCATGAC

T A A R A L Q G Q E V R S K L T A E F A D L Y H D

CTGGACAAGGGCTTTACTCCCATCAATTTTATGCTACCGTGGGCCCCATTGCCGCATAACAAGAAGCGAGATGCT

L D K G F T P I N F M L P W A P L P H N K K R D A

**216** **219220**

GCTCATGCGCGCATGAGGTCAATCTACGTTGACATCATCAATCAGCGCCGTCTTGACGGTGACAAGGACTCTCAG

A H A R M R S I Y V D I I N Q R R L D G D K D S Q

248 255

AAATCAGACATGATATGGAACCTGATGAACTGCACATACAAAAACGGCCAGCAAGTGCCTGATAAAGAGATTGCG

K S D M I W N L M N C T Y K N G Q Q V P D K E I A

266 *284*

CACATGATGATAACCCTGTTGATGGCTGGTCAGCATTCGTCTTCGTCCATCAGCGCCTGGATTATGCTGAGACTG

H M M I T L L M A G Q H S S S S I S A W I M L R L

**289** 297

GCCTCACAGCCAAAAGTCCTCGAAG**AGCT**GTATCAGGAACAGCTGGCCAATCTTGGCCCCGCCGGGCCAGACGGC

A S Q P K V L E E L Y Q E Q L A N L G P A G P D G

310

AGTCTTCCTCCGCTCCAGTACAAGGATCTTGACAAACTTCCCTTCCATCAACATGTTATTCGTGAAACCTTACGG

S L P P L Q Y K D L D K L P F H Q H V I R E T L R

*339*

ATTCACTCCTCTATTCACTCTATCATGCGCAAGGTGAAAAGCCCCTTGCCCGTTCCCGGGACCCCTTACATGATT

I H S S I H S I M R K V K S P L P V P G T P Y M I

CCTCCCGGTCGCGTGCTCCTTGCTTCACCTGGAGTGACAGCCCTCAGCGACGAACACTTCCCCAATGCTGGGTGC

P P G R V L L A S P G V T A L S D E H F P N A G C

400

TGGGATCCCCATCGCTGGGAGAACCAGGCTACTAAGGAGCAGGAGAACGACGAGGTTGTCGACTACGGTTACGGC

W D P H R W E N Q A T K E Q E N D E V V D Y G Y G

427 **431432** **434**

GCCGTCTCCAAGGGCACGTCAAGTCCCTATCTTCCGTTTGGTGCTGGCCGACACCGCTGTATCGGCGAGAAATTC

A V S K G T S S P Y L P F G A G R H R C I G E K F

**448** *454*

GCTTATGTCAACCTTGGTGTGATTCTGGCGACCATTGTGCGCCACCTGCGACTTTTCAACGTGGATGGAAAGAAA

A Y V N L G V I L A T I V R H L R L F N V D G K K

GGAGTCCCTGARACTGACTATTCATCCCTCTTTTCGGGCCCCATGAAGCCAAGCATCATCGGCTGGGAGAAGCGG

G V P X T D Y S S L F S G P M K P S I I G W E K R

495

TCGAAAAACACATCCAAGTGA

S K N T S K \*

Supplementary figure 1: *cyp51*A coding sequence and location of relevant features. DNA sequence with small letters: non-coding (promotor, intron); capital letters coding region (exon). TSS: transcriptional start site (1). Underlined nucleotide sequence: codons with known SNPs. Numbers below sequence refer to codons, boldface indicates codons with known resistance-conferring substitutions, italicized known silent polymorphisms. Boldface and underlined nucleotides: *Alu*I restriction sites (AGCT) or promotor region repeated in TR34 / TR46 isolates (see main text and Figure 1).

1. **Paul, S., J. S. Klutts, and W. S. Moye-Rowley.** 2012. Analysis of promoter function in *Aspergillus fumigatus*. Eukaryotic cell **11:**1167-1177.