

Figure S1. Examination of KA production by *kojR* complemented transformants of *A. flavus* Δ *kojR*#4. (A) *kojR* expression was driven by *A. nidulans* *gpdA* promoter, and transformants were transferred onto KAM plates. (B) *kojR* expression was driven by *A. flavus* *gpiA* promoter, and transformants were transferred onto PDA plates supplemented with ferric ion. Color intensity is indicative of the KA amount produced.

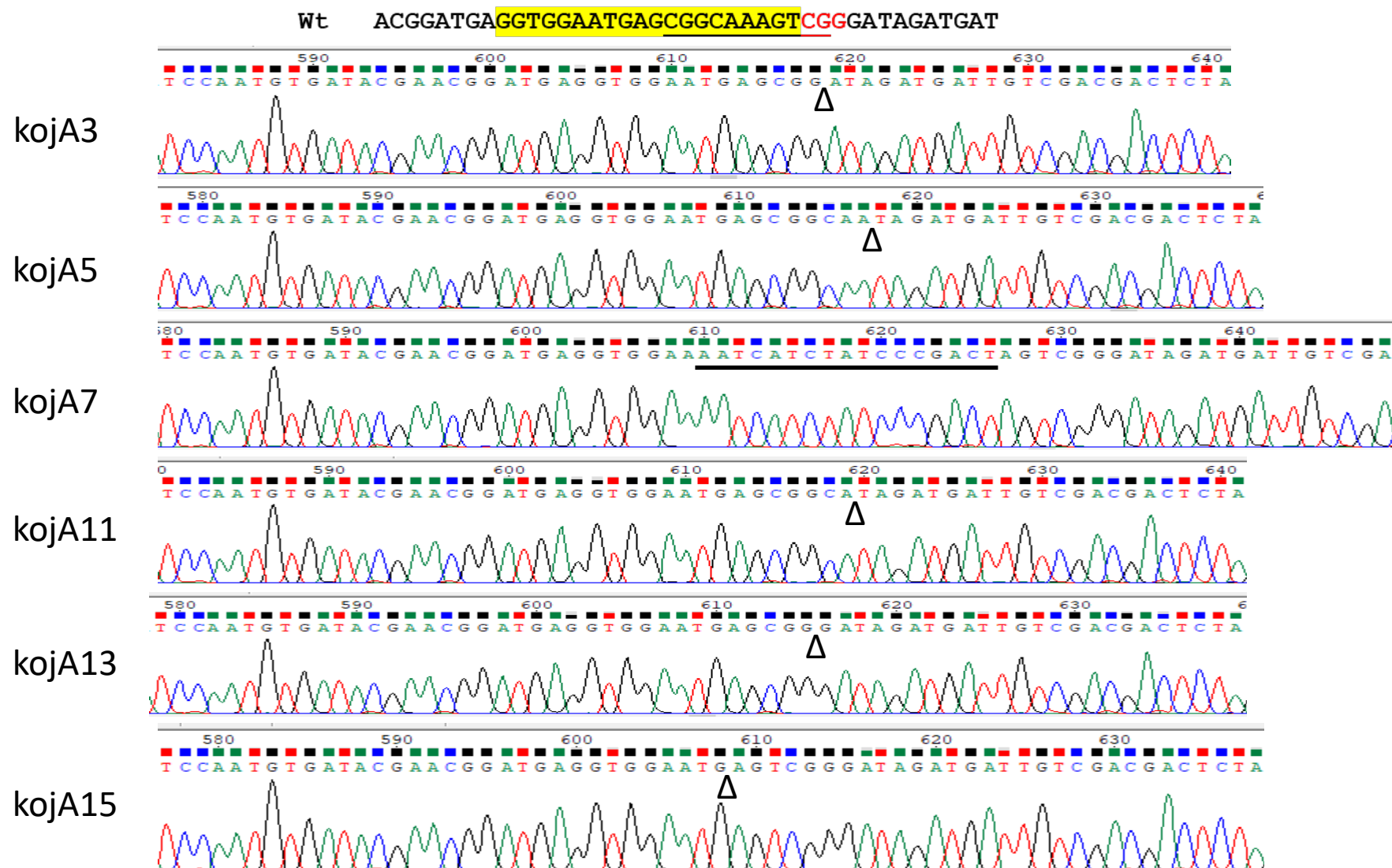
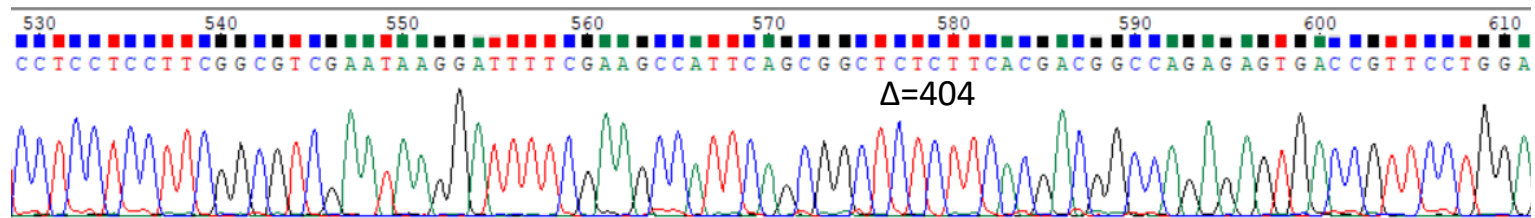


Figure S2. Sequencing chromatograms showing locations of deletions and an insertion in the KojR-binding motif of *A. flavus kojA* promoter.

kojT3	431	GCTCGTATGCGTCTACTTATAGTATTAGTCGTTGAACCTAGTACCTAATAATTCTGCTTG	490
Sbjct	159806	GCTCGTATGCGTCTACTTATAGTATTAGTCGTTGAACCTAGTACCTAATAATTCTGCTTG	159747
Query	491	AATTATATCATAGACTGACATACCTCATGTAAGCCCTTCCTCCTCCTTCGGCGTCGAATA	550
kojT3	159746	AATTATATCATAGACTGACATACCTCATGTAAGCCCTTCCTCCTCCTTCGGCGTCGAATA	159687
Query	551	AGGATTTTCGAAGCCATTCAGCGGCT	576
Sbjct	159686	AGGATTTTCGAAGCCATTCAGCGGCT	159661



kojT3	578	TCTTCACGACGGCCAGAGAGTGACCGTTCCTGGAGTCAATCTCCGCCGCGCCTCCGAAAT	637
Sbjct	159257	TCTTCACGACGGCCAGAGAGTGACCGTTCCTGGAGTCAATCTCCGCCGCGCCTCCGAAAT	159198
kojT3	638	CTGTGAGCGCGTCAATACTAAAACACTTTTCATTGTCGGGTTCGATGGCCCGGACGACCA	697
Sbjct	159197	CTGTGAGCGCGTCAATACTAAAACACTTTTCATTGTCGGGTTCGATGGCCCGGACGACCA	159138
kojT3	698	GCTCAATCCCAAAAACCTGGTCTATAGGGCGGAAATGGGCGACATTGGGCATTGTAGGCAC	757
Sbjct	159137	GCTCAATCCCAAAAACCTGGTCTATAGGGCGGAAATGGGCGACATTGGGCATTGTAGGCAC	159078

159661-159257=404 deleted in kojT3

Figure S3. Sequencing chromatogram showing the breakpoint and sequence alignment for identifying a large deletion that disrupted the suggested motif in the *kojT* promoter and extended to the *kojT*-coding region in a KA-producing *A. flavus* mutant.

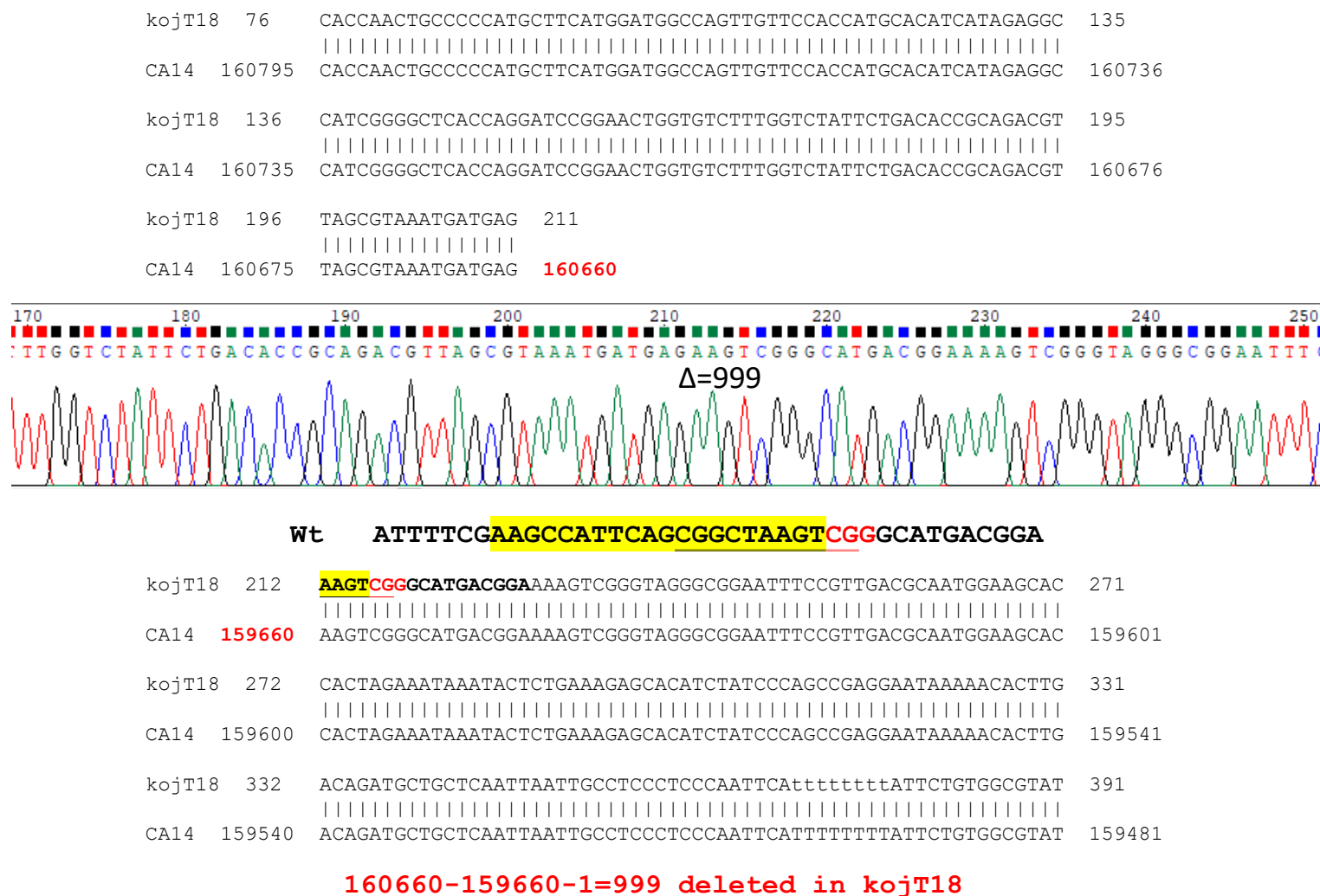


Figure S4. Sequencing chromatogram showing the breakpoint and sequence alignment for identifying a large deletion that disrupted the suggested motif in the *kojT* promoter and extended to the upstream *kojR*-coding region in an *A. flavus* mutant that was unable to produce KA.

Table S1. Primers used in vector construction, qRT-PCR, and sequencing

Primer name	Sequence (5'→3')	Use
5kojR-Sac	CGAGTTGCTTTAGACCGAGG	Disruption
5kojR-B	CTAATTCGGGATCCCGTTATCC	Disruption
3kojR-Xho	AATCTCG AGAGTCAAAGACGGTTATTC	Disruption
3kojR-Sp	GTTGAACCTTGTTCCGGTCAGC	Disruption
kojR-OE	ACTATAGCGGCCGCATGTCGTTGAATACCGACGATTCC	Expression, PCR
kojR-STOP	TCCTGCATTATCTATATCTC	Expression
GPI-H	ATAAAGCTTCGCACTGTACGTAGTAGTA	Promoter swapping
GPI-Not	TATAGTGCGGCCGCTGTTATGTGATTTCTTCTAATGGAGA	Promoter swapping
kojA -qF	CCGTATCATCCACACCGAGG	qRT-PCR
kojA -qR	AACCGGAAGAGCATCTGCAA	qRT-PCR
kojR-qF	AATACCGACGATTCCGGTCG	qRT-PCR, copy number
kojR-qR	TTTCCTCTTGCGCAGTTTGC	qRT-PCR, copy number
kojT -qF	GGCCAAAGCACGCATATCAG	qRT-PCR
kojT -qR	CGAACAGGAAAATAGCGCG	qRT-PCR
18S-F	TTCCTAGCGAGCCCAACCT	qRT-PCR
18S-R	CCCGCCGAAGCAACTAAG	qRT-PCR
U6-F-P	ATACTGCAGTTCTCTTTAGAATTCAACTGTGGGT	CRISPR
U6-R-K	TATGGTACCACATATTTAAAAAAGTCTCCTGCC	CRISPR
kojA_F	GGTGAATGAGCGGCAAAGTGTTTTAGAGCTAGAAATAGCAAGTTAA	CRISPR
kojA_R	ACTTTGCCGCTCATTCCACCCTTGTTCTTCTTTACAATGATTTATATACC	CRISPR
kojT_F	AAGCCATTCAGCGGCTAAGTGTTTTAGAGCTAGAAATAGCAAGTTAA	CRISPR
kojT_R	ACTTAGCCGCTGAATGGCTTCTTGTTCTTCTTTACAATGATTTATATACC	CRISPR
kojA-Fck	GATCAACCGCAGTACACTCA	PCR, Sequencing
kojA-CkR	TCGTATCGCAAGCAGTAAGT	PCR, Sequencing
kojT-Fck	CGCTCGCCTTGGTGGCATGT	PCR, Sequencing
kojT-CkR	TCACAGTGGAGTCGATGGAG	PCR, Sequencing
kojR1500	TGCCAGATGGCATGATCCTG	PCR, Sequencing
kojR1650	GATCTCAAAGACTACTCTCCT	PCR, Sequencing

Table S2. Sequences of the *kojA* and *kojT* promoter regions used for the identification of KojR DNA-binding motif by MEME

<i>A_aflatoxiformans_kojA</i>	TATGAAGAGGCAGGTAGTTATAGTCTAGAGATGGTTATGTTCCGGTTCAAGAATCTTGAGAAGAAATGATTGTTGAAGTGTAGAGGCATACCC CCAAAGGATCTCCATCGCTTTATATCCTTCCCTTCAGCAAGATAGCTTGACTCACTCCCATGGGCATGTCAAAAATGGTCCCTCCCTGATT GTAACCCAACCTTGCCGGATAACGACACATGCACCCTGAAGCCAATTGCATCCAATGTGATACGAACGGATGAGGTGGAATGAGCGGCAAA GTCGGGATAGATGATTGTGCGACGACTCTAGAAGATCGTAACATACTGAATGAGCGTTTAAATGCATGTGACGCGTTGATAATGTCACATCCG CGGCGATG
<i>A_alliaceus_kojA</i>	TTTGGAGAGACAAGTTATTGTAGTTCAAAGATGATATGTGTTCAAGTAAAGGATTAGAGGACTGGTTTCTGAAGAGAAGAGGACCAATGCA GAAGAGGTCCCTTCGACTTATATCCTTTCCCTCAGTGTGCTATCCTGACTTACGGTGGTGGGTCGTGTCAAGGATGTTCTTCTCATCATTGTA ACCTAAACATTTGTTGATAGTGATGTATGCATCCTGAAATCGGCCGTGTCCAATACGAGAAGAACGGATGAGGTGGAATGAGCGGCAAAAGT CGGGAAGATGATTGTGCGACAACCTATAGATGAGGGTTAAACACCTCTCGAGCGTCTTGTGCATGTGACGACTTGATAATGTCACATCCAC GGTGATTC
<i>A_arachidicola_kojA</i>	TATGAAGAGGGAGGTAGTTATAGTCTAGAGATGATTATGTTCAAGTAAAGGATTAGAGGACTGGTTTCTGAAGAGAAGAGGACCAATGCA CCCAAGGATTTCCATCCCCTTTATATCCTTCCCTTCAGCAAGACAGCTTGACTCACTCCCATGGGCGTGTCAAGGATGCTCTTTTCCCTGATT GTAACCCAACCTTGCCGGATAACGACACATGCACCCTGAAGCCAATTGCATCCAATGTGATACGAACGGATGAGGTGGAATGAGCGGCAAA GTCGGGATAGATGATTGTGCGACGACTCTAGAAGACCGTAACATACTGAATGAGCTTTTAAATGCATGTGACGCGTTGATAATGTCACATCCG CGGCGATG
<i>A_bertholletius_kojA</i>	GATGAAGAGACAAGTAGTTTTAGATGAGAGATGAGTGTGTTCCGGTTCAAGAATTTTGAGAAGGCTGGCTCGTGAAGTGTAGAAGATAGCC CCCACGGCGTCCCCATCGCTTTATATCCTTCTATCCGCCGTGATTGTTTGAGTCACTCCTGTGGGCATATCAAGGATGCTCAATCCCTGAT TGTAACGCAACATTCCCAAACCATGACACATGCACCGCGAAACCAATCGCATCCAACGCGATACGAACGGATGAGGTGGAATGAGCGGCAA AGTCGGGATAGATGATTGTGCGGCGACTGTAGAGGATGGCAACATACTGAATGAGCTCTTAAATGCATGTGACGCGTTGATAATGTCACATCT GCGACGACG
<i>A_burnettii_kojA</i>	TTTGGAGAGACAAGTTATTGTAGTTCAAGAGACGATATGTGTTCAAGTAAAGGATTAGAGGACTGGTTTCTGAAGAGAAGAGGACCAATGCA GAAGAGGTCCCTTCGACTTATATCCTTTTCCCTCAGTGTGCTATCCTGACTTACGGTGGTGGGTCGTGTCAAGGATGTTCTTCTCATCATTGT AACCTAAACATTCGTTGATAGTGATGTATGCATCCTGAAATCGGCCGTGTCCAATACGAGAAGAACGGATGAGGTGGAATGAGCGGCAAAAG TCGGGAAGATGATTGTGCGACAACCTATAGATGAGGGTTAAACACCTCTCGAGCGTCTTGTGCATGTGACGACTTGATAATGTCACATCCA CGGTGATT
<i>A_caelatus_kojA</i>	ATGAATAGGCAGGTAGTTATAGTCTAGAGATGATTATGTTCCGGTTCAAGAGTCTTGAGAAGAATGGTTGTTGAAGTGTAGAGGAATAGCCC CCCAAGGATTTCCGTCGCTTTATATCCTTCCCTTCAGCAGGATAGCTTGAGTCACTCCTATGAGCATGTCAAGGATTCTCCTTCCCTGATT GTAACCCAACACACCCGGATAACGACACATGCACTCTGAAGCCAATCGCATCCAATGTGATACGAACGGATGAGGTGGAATGAGCGGCAAA GTCGGGATAGATGATTGTGCGACGACTCTAGAAGATCGCAACATACTCACTGAGCTTTTAAATGCATGTGACGCGATTGATAATGTCACATCCG CGGTGAT
<i>A_coremiiformis_kojA</i>	GTCAAAGTGAATTACGAAGTAGTTCTAATCTGGAGTTGATTCCGGTTCCGTTCAAGAAGCTCGCAAGAAGTGGAAGTTGACGAAAAGAGAAA CAGTTCGGAAGAGGTTTCATCCCCTTATATTGCTTTCCCTCCGTGTCGATCTGGACTCACTCTGGTGGGCCATAGCTAGGATTTTCTTCTCC TGATTGTAACCCAAGATTCCAAGATAGCGACGGATGCATGCTGACACCAATGGCAACCAAGGCAATACGAACGGGTCAGGTGGAATGAGCG GCAAAGTCGGGACCGATGATTGTGCGACGACTATAGATGATTCTCAAATGCTTGAGTTGTACTGCTAACAATG
<i>A_flavus_kojA</i>	TATGAAGAGGCAGGTAGTTATAGTCTAGAGATGGTTATGTTCCGGTTCAAGAATCTTGAGAAGAAATGATTGTTGAAGTGTAGAGGCATACCC CCAAAGGATCTCCATCGCTTTATATCCTTCCCTTCAGCAAGATAGCTTGACTCACTCCCATGGGCATGTCAAAAATGGTCCCTCCCTGATT GTAACCCAACCTTGCCGGATAACGACACATGCACCCTGAAGCCAATTGCATCCAATGTGATACGAACGGATGAGGTGGAATGAGCGGCAAA GTCGGGATAGATGATTGTGCGACGACTCTAGAAGATCGTAACATACTGAATGAGCGTTTAAATGCATGTGACGCGTTGATAATGTCACATCCG CGGCGAT
<i>A_hancockii_kojA</i>	TTTGAAGAGACAAGTAATAGTGAATATTATAGTGATTGCCGTAGTCGTCTATAGATAACAATCAATTCTTAGGAACTTGAAGAGGCTGGT GGTTTGAAAATGAGAAGCGCCCTAGGGACTCAATCGCTTTATATCCTTTTCTTCAGCGTCGTATCTTGACTCCACAGGTGGATCATGTC AAGGGTCTCCCTCCCATGATTGCAACCCAACATTGCAAGATAGCGACATACGCATCCTGAAACGAATCGCATCCAATGCGATACGAACGGA AGAGGTGGAATGAGCGGCAAAGTCGGGATAGACCATCTTCGATGACAAGAGAAGATCATTAACAGCTGTTGAGTTCTCTCATGCATGTCAG CTTTTGATAATGTC

<i>A_leporis_kojA</i>	CTTGAAGAAACAAGTAGTAGTAAAGTGGTAGTCGTAGTAGTCCAGAGGTGATACTCTAAGAAGCTCAACGAGGCTGGTGTGTTGAAGAAAT GAGAAGCTTCCCACCAAGGACTCGTTGACCTTATATCCCTTTCTTCAGTGTCTGAGCTTGACTCTCCTCGATGGGACATGTCAAGGATCTT CTTCCTATGATTGCAACCTAACATCCGAATATAGCGACATACATCCTAAAACTAGCAGTATCCAATGCGAGACGAACGGAAGAGGTGGA ATGAGCGGCAAAGTCGGGATGGAGCGTTTTTCGATGATAATGGAAGATCATAAAGCAGGTGTTGAGCTCCTCATGCGTGTGAGCTTTTGATA ATGTCACATC
<i>A_luteovirescens_kojA</i>	TATGAAGAGGCGGGTAGTTATAGTCTAGAGATGATTGTGTTTGGTTCTAAAGCTTGAGAAAAGTGGTTGTTGAAGTAGGTAGGAATAGCCC CCAAGGCTTCCCATAGCTTTATATCCTTCTCGCCAGCAGGGTAGCTTGACTCACTTCCGTGGCCATGTCAAGGGTGCTCTTTCCATGATTG TAACCCAACATTCCCCGATAGCGACACATGCACTCTGAAGCCAATCGCATTCAATGTGATACGAACGGATGAGGTGGAATGAGCGGCAAAG TCGGGATAGATGATTGTGACGACTCCAGAAGATCGTAACATACTTGAATGAGTTTTTGATGCATGTGAGCGCTTGATAATGTCACATCCG CGGCGAT
<i>A_minisclerotigenes_kojA</i>	TATGAAGAGGCAGGTAGTTATAGTCTAGAGATGGTTATGTTTCGGTTCAAGAATCTTGAGAAGAATGATTGTTGAAGTGTAGAGGCATACCC CCCAAGGATCTCCATCGCTTTATATCCTTCCCTTCAGCAAGATAGCTTGACTCACTCCCATGGGCATGTCAAGGATGGTCTTCCCTGATT GTAACCCAACCTTTGCCGGATAACGACACATGCACCCTGAAGCCAATTGCATCCAATGTGATACGAACGGATGAGGTGGAATGAGCGGCAA AGTCGGGATAGATGATTGTGACGACTCTAGAAGATCGTAACATACTGAATGAGCGTTTAAATGCATGTGAGCGCTTGATAATGTCACATCC GCGGCGAT
<i>A_nomiae_kojA</i>	TATGAAGAGGCAGGTAGTTATAGTCTAAAGATGATTCTGTTCGGTTCAAAAGACTTGAGAAAGGTGGTTGTTGAAGTAGGGAGGAATAGCC CCCAAGGCTTCCATCGCTTTATATCCTTCCCCAGCAGGATGGCTTGACTCACTCCGGTGGCCATGTCAAGGGTGCTCTTTCCCTGATTG TAACCCAACATTCCCAGATAACGACATATGCATCCTGAAGCCAATCGCATCCAATGTGATACGAACGGATGAGGTGGAATGAGCGGCAAAG TCGGGATAGATGATTGTGACGACTCCAGAAGATCGTAACATACTTGAATGAGTTTTTGATGCATGTGAGCGCTCGATAATGTCACATCCG CGGCGA
<i>A_novoparasiticus</i>	TATGAAGAGGCAGGTAGTTATAGTCTAGAGATGATTATGTTTCGGTTCAAGAATCTTGAGAAGAATGGTTGTTGAAATGTAGAGGCATACTC CCCAAGGATTTCCATCCCTTTATATCCTTCCCTTCAGCAAGACAGCTTGACTCACTGCCATGGGCATGCCAAGGATGCTCTTTTCCCTGAT TGTAACCCAACCTTGCCGGATAACGACACATGCACCCTGAAGCCAATTGCATCCAATGTGATACCAACGGATGAGGTGGAATGAGCGGCAA AGTCGGGATAGATCACTGTGACGACTCTAGAAGATTGTAACATACTGAATGAGCTTTTAAATGCATGTGAGCGCTTGATAATGTCACATCC GCGGCGATG
<i>A_oryzae_kojA</i>	TATGAAGAGGCAGGTAGTTATAGTCTAGAGATGGTTATGTTTCGGTTCAAGAATCTTGAGAAGAATGATTGTTGAAGTGTAGAGGCATACCC CCAAAGGATCTCCATCGCTTTATATCCTTCCCTTCAGCAAGATAGCTTGACTCACTCCCATGGGCATGTCAAAAATGGTCTTCCCTGATT GTAACCCAACCTTGCCGGATAACGACACATGCACCCTGAAGCCAATTGCATCCAATGTGATACGAACGGATGAGGTGGAATGAGCGGCAAA GTCGGGATAGATGATTGTGACGACTCTAGAAGATCGTAACATACTGAATGAGCGTTTAAATGCATGTGAGCGCTTGATAATGTCACATCCG CGGCGAT
<i>A_parasiticus_kojA</i>	TATGAAGAGGCAGGTAGTTATAGTCTAGAGATGATTATGTTTCGGTTCAAGAATCCTGAGAAGAATGGTTGTTGAAATGTAGAGGCATACTC CCCAAGGATTTCCATCCCTTTATATCCTTCCCTTCAGCAAGTCAGCTTGACTCACTCCCATGGGCATGTCAAGGATGCTCTTTTCCCTGATT GTAACCCAACCTTGCCGGATAACGACACATGCACCCTGAAGCCAATTGCATCCAATGTGATACGAACGGATGAGGTGGAATGAGCGGCAAA GTCGGGATAGATGATTGTGACGACTCTAGAAGATTGTAACATACTGAATGAGCTTTTAAATGCATGTGAGCGCTTGATAATGTCACATCCG CGGCGAT
<i>A_pseudocaelatus_kojA</i>	TATGAATAGGCAGGTAGTTATAGTCTAGAGATGATTATGTTTCGGTTCAAGAGTCTTGAGAAGAATGGTTGTTGAAGTGTAGAGGAATAGCC CCCAAGGATTTCCGTCGCTTTATATCCTTCCCTTCAGCAGGATAGCTTGAGTCACTCCTATGAGCATGTCAAGGATTCTCCTTCCCTGAT TGTAACCCAACATACCCGGATAACGACACATGCACTCTGAAGCCAATCGCATCCAATGTGATACGAACGGATGAGGTGGAATGAGCGGCAA AGTCGGGATAGATGATTGTGACGACTCTAGAAGATCGCAACATACTCACTGAGCTTTTAAATGCATGTGAGCGATTGATAATGTCACATCC GCGGTGAT
<i>A_pseudonomius_kojA</i>	TTTGAAGAGGCAGGTAGTTATAGTCTGAAGATGATTCTGTTCGGTTCAAAAGACTTGAGAAAGGTGGTTGTTGAAGTAGGGAGGAATAGCC CCCAAGGCTTCCCATCGCTTTATATCCTTCTCCGAGCAGGATAGCTTGACTCACTCCGGTGGCCATGTCAAGGGTGCTCTTTCCCTGATT GTAACCCAACATTCCCAGATAACGACATATGCACCCTGAAGCCAATCGCATCCAATGTGATACGAACGGATGAGGTGGAATGAGCGGCAAA GTCGGGATAGATGATTGTGACGACTCCAGAAGATCGTAACATACTTGGATGAGCTTCTGATGCATGTGAGCGCTTGATAATGTCACATCC GCGGCG

<i>A_pseudotamarii_kojA</i>	TATGAATAGACAGGTAGTTATAGTTTAGAGATGATTATGTTTCGGTTCAGGAATCTTGAGAAGAATGGTTATTGAAGTGTAGAGGAATAGCC CCCCAAGGATTTCCGTCCCTTTATATCCTTCCCTTCAGCAGGATGGTTTGAGTCACTCCCATGAGCATGTCAAGGATTCTCTTTCCCTGAT TGTAACCCAACATATCCGGATAACGACACATGCACCTCTGAAGCCAATCGCATCCAATGTGATATGAACGGATGAGGTGGAATGAGCGGCAA AGTCGGGATAGATGATGTTTCGACGACTCTAGAAGATCGTAACATACTCACTGAGCTTTTAATGCATGTCAGCGATTGATAATGTCACATCC GCGGTGA
<i>A_sergii_kojA</i>	TATGAAGAGGCAGGTAGTTATAGTCTAGAGATGATTATGTTTCGGTTCAGAATCTTGAGAAGAATGGTTGTTGAAATGTAGAAGCATACTC CCCCAAGGATTTCCATCTCTTTATATCCTTCCCTTCAGCAAGGCAGCTTGACTCACTCCCATGGGCATGTCAAGGATGCTCTTTTCCTGATT GTAACCCAACCTTGCCGGATAACGACACATGCACCCTGAAGCCAATTGCATCCAATGTGATACGAACGGATGAGGTGGAATGAGCGGCAAA GTCGGGATGGATGATTGTTCGACGACTCTAGAAGATTGTAACATACTGGATGAGCTTTTAATGCATGTCAGCGATTGATAATGTCACATCCG CGGCGAT
<i>A_sojae_kojA</i>	TATGAAGAGGCAGGTAGTTATAGTCTAGAGATGATTATGTTTCGGTTCAGAATCTTGAGAAGAATGGTTGTTGAAATGTAGAGGCATACTC CCCCAAGGATTTCCATCCCTTTATATCCTTCCCTTCAGCAAGTCAGCTTGACTCACTCCCATGGGCATGTCAAGGATGCTCTTTTCCTGATT GTAACCCAACCTTGCCGGATAACGACACATGCACCCTGAAGCCAATTGCATCCAATGTGATACGAACGGATGAGGTGGAATGAGCGGCAAA GTCGGGATAGATGATTGTTCGACGACTCTAGAAGATTGTAACATACTGAATGAGCTTTTAATGCATGTCAGCGCTTGATAATGTCACATCCG CGGCGATG
<i>A_tamarii_kojA</i>	TATGAATAGGCAGGTAGTTATAATCTAGAGATTATTATATTTTGTTCAGAATCTTGAAAAGAATGGTTGTTGAAGTCTAGAGGAATAGCC CCCCAAGGATTTCCGGCGCTTTATATCCTTCCCTTTAGCAGGATAGTTTGAGTCACTCCCATGAGCATGTCTAGGATTCTCTTTCCCTGAT TGTAACCCAACATATCCGGATAACGACACCTGCACCTCTGAAGCCAATCGCATCCAATGTGATACGAACGGATGAGGTGGAATGAGCGGCAA AGTCGGGATAGATGATTGTTCGACGACTCTAGAAGATCGCAACATACTCACTGAGCTTTTAATGCATGTCAGCGATTGATAATGTCACATCC GCGGTGAT
<i>A_transmontanensis_kojA</i>	TATGAAGAGGCAGGTAGTTATAGTCTAGAGATGATTATGTTTCGGTTCAGAATCTTGAGAAGAATGGTTGTTGAAATGTAGAGGCATACTC CCCCAAGGATTTCCATCCCTTTATATCCTTCCCTTCAGCAAGACAGCTTGACTCACTCCCATGGGCATGTCAAGGATGCTCTTTTCCTGATT GTAACCCAACCTTGCCGGATAACGACACATGCACCCTGAAGCCAATTGCATCCAATGTGATACGAACGGATGAGGTGGAATGAGCGGCAAA GTCGGGATAGATGATTGTTCGACGACTCTAGAAGATTGTAACATACTGAATGAGTTTAAATGCATGTCAGCGCTTGATAATGTCACATCCG CGGCGAT
<i>A_alliaceus_kojT</i>	TACAGAAATGTCAAGACTGATTGTATGATGGAACAGTGTCCGCACGCATCTACTTATAGTGTTAGACAAATATTGTAATACCTAATTATTT CTACTTAAATTACACTATGAGCTGGGATAACATCTGTATGTTCTTTGACTTTCCCTGGTTCCGAATGAGAAATTTGAAAGCCATTGAGCGG CTATGTTCGGACGCGACGGGAAAGTCGGATAGGGCGGAATTCGGGGTTGACGCAACGACAGCACCCTGGAATAAAATACTCCCGGAAAGAA TAACTATTCTAGCCAGTGAAAGAGAACATTTCAGACAAATGTTGCTCGAATAATTGTGTCTCTCCAAGAAAACACTTCCTCGTTCTGCTCAG TTTCTCCGCGCTTCGCAATT
<i>A_arachidicola_kojT</i>	TGCAGGAAATTGAGGATTATTTACACGATCAGAAAGTGCTAGTATGCGTCTACTTATAGTATTAGTCAATGAACCTGGTGCCTAATAATTC AAGGAAAATTCTATCATAGACTCACATACCTCTGTAAGCCCTTCCTCGTCCTTCGGCGCCGAATAAGGATTTTCGAAGCCACTCGGCGCT AAGTCGGGCATGACGGAAAAGTCGGGTAGGGCGGAATTCGGTTGACGCAATGGAAGCACCGCTAGAAATAAATACTCTGAAGAGAGCACA TTTGTTCTAGGCGAGGAGTAAAAACATTTGACAGATGCTGCTCAGTTAATTGCCTTCCTTCCAATTTTCATATTTATTCTGCGGCGTATGTC TTGAACGCCTCGCAACG
<i>A_bertholletius_kojT</i>	TGTAGGAAATGAGAACTATCTACAGGGCTCAAAGTGCTTGCCCTGCGTCTTCTTATAGTCTTAGTCAATGGACCTAACACCCCATAAATCT GCATAGATTCGACTATAGACTAGCATAGCTCTGGTACACTCTTCCTCGTCCTTAGGTTTCGAGCTGAATAAGGATAGTCAAGCCATTGAGC GGCTAAGTCGGGCATGACGGAAAGGTCGGTTAGGGCGGAATTATGGATTGACGCAATAGAAGCAGCATGAGAAATAAATACTGCTGAAACGA GCTCAATGATTGAGCTGAGGAGTAACCACATCTACCAGATGTTGCTTAATTGATATTTTGTCTTCCGTTTCCTATTTTTCCTTTTCACTGT CCGTAGTGTGTGCTTGAGCGTCTCAGAACG
<i>A_burnettii_kojT</i>	TACAGAAATGTCAAGACTGATTGTATGATCGAACAGTGTCCGCACGCATCTACTTATAGTGTTAGACAAATATTGTAATACCTAATTATTT CTACTTAAATTACACTATGAGCTGGGATAACATCTGTATGTTCTTTGACTTTCCCTGGTTCCGAATGAGAAATTTGAAAGCCATTGAGCGG CTATGTTCGGACGCGACGGGAAAGTCGGATAGGGCGGAATTCGGGGTTGACGCAACGACAGCACCCTGGAATAAATACTCCCGGAAAGAA TAACTATTCTAGCCAGTGGAAGAGAACATTTCAGACAAATGTTGCTCGAATAATTGTGTCTCTCCAAGAAAACACTTCCTCGTTCTGCTCAG TTTCTCCGCGCTTCGCAATT

<i>A_caelatus_kojT</i>	TGCAGAAAATTGAGGACTAATTACACGATCAGAAAGTGCTCGTATGCGTCTACTTATAGTATTAATCGATGAGCCTAGTACCTATTAATTC TGCGTCCATTATATCATAGACTGACGTACCTCTTGTAAGCTCTTTCTCGCCCTTTGGCGCCGAATAAGGATTTTCGAAGCCATTACGCGGC TAAGTCGGGCATGACGGGAAAAGTCGGTTAGGGCGGATTTCCGGTTGACGCAATGGAAGGAACACTAGAAATAAATACTCCGAAAAGAGCAC ATTTATTCTTGCCGAGGAGTAAAAACATTTGACAGATGTTGTTTTAGTTTTAATATCTCTCTCCCAATTCCAATCTTTATTTTGTGGTGTGT GTCTGAGCGCCCCGCAACG
<i>A_coremiiformis_kojT</i>	AAGCATGTCCGTGTGGCTCTACTTATAGTATTAGTCCATGACTGTAGTGACTGATAATCTCTACATTGGTTTACACTACAGATTGGCATTCT TTTGCTTTTGGTGTGCGTTATTTCGGTTCCAAACAAGAAATTTCCATGCCATTTGGCGGGTAAGTCGGGCATGACGGGTAGGGCGGGTAGGG CGGACTGCGGGTTTGATGCACCGCTGGAAATAAATACTCCGAAAAGATCAATTAATCCAGTCAGTGTGTGAGAATATTGAGACATATGCTG ATCGATTGATTGCCTCCTTCCAGCTCTTTTCTTTCTTTCTTTTGTGTTGTGTGTGTGTGCTGGAACACCTGGCAACA
<i>A_flavus_kojT</i>	TGCAGGAAATTGAGGACTATTTACACGATCAGAAAGTGCTCGTATGCGTCTACTTATAGTATTAGTCGTTGAACCTAGTACCTAATAATTC TGCTTGAATTATATCATAGACTGACATACCTCATGTAAGCCCTTCTCTCCTTCGGCGTCAATAAGGATTTTCGAAGCCATTACGCGGC TAAGTCGGGCATGACGGGAAAAGTCGGGTAGGGCGGAATTTCCGTTGACGCAATGGAAGCACCAGTAAATAAATACTCTGAAAGAGCAC TCTATCCCAGCCGAGGAATAAAAAACACTTGACAGATGCTGCTCAATTAATTGCCTCCCTCCCAATTCATTTTTTTTTATTCTGTGGCGTATG TCTTGAACGCCTCGCAACG
<i>A_hancockii_kojT</i>	TACCAGTTAAGAGGATTGAGGAGTGTCTGTATGCGTCTACTTATAGTCTTATACAATCAATGCAGTAAATAATCATATCTACCTTGGTTAC ACTATAGACTGGCATTATTATCCGTATGTTCTTTTCTCTCTGTTCCGAACGAGAATTTTCGAAGTCATCCAGCGGTTAAGTCGGACGC AGCGGAAAAGTCGGGTAGGGCGGAATCCCGCTTTGACGCAATAGAAGCACCACGAGTGGAATAAATACTCCTGTAATTTGCAATATTG CACACAGTGAGTAAGGACCCCAAACAGATGTTGCTCCATTGATCCGGTCTGTTCTGTTTCTTTTCGCAATCGCGGTGCGGATAC AACC
<i>A_leporis_kojT</i>	TACAGGAATGATGGCTACTGAAGAGTGTCCGTATGTGTCTACTTATAGTACTAGGCAATGAATGTAGTGGGTAAGCAATTCTACTTGGGTT ACACTATAGACTGGCATGACTTTGTATGTTGTTTTTCTCTAGTTCCGAACAAGAAATTTTCGATGTCAATCAACGGCTAAGTCGGACACA GCGGAAAAGTCGGGTAAGGCGGAATTCAGCTTTGACGCAATAGTAGCACGAGTGGAATAAATACTCCGGCGATTGCAATATTGACACAG GTGAGTAAAGATCGCAGACAAACATTGTTGCTCAATTGATAGTGCTGTCATTCTATAAAATTTTTTTTTTCTTTTCTTCCCTATAT TTGGTCGCGGTACAACC
<i>A_luteovirescens_kojT</i>	TGCAGGAAATGAGGACTATTTACACCACCAGGAAGTGCTCGTATGCGTCTACTTATAGTATTAGTTAATGGACCTAGGACTTAATAAATCT GTTTGGATTATATCATAGACAGACATACCTCTTGTAAACTGTTCCCTTGCCCTTTGGCGCCGAATAAGGATTTTCGGAGCTATTACGCGGTT AAGTCGGGCATGACGGGAAAAGTCGGTTAGGGCGGAATTCGGGTTGACGCAATGGAAGCACCACCAGAAATAAATACTCTGAAAGAGCACAT TTGTTCTAGCCGAGGAGTAAAAACGTTTGACAGATGTTGCTTAATTGACTGCCTTCTCCCAATTCCTTTTTGTATTTTCTGGGTTGTGTCT CTGATCGCCTCGCAACG
<i>A_minisclerotigenes_kojT</i>	TGCAGGAAATTGAGGACTATTTACACGATCAGAAAGTGCTCGTATGCGTCTACTTATAGCATTAGTCATTGAACCTAGTACCTAGTAATTC TGCTTGAATTATATCATAGACTGACATACCTCTTGTAAGCCCTTCTCCTCCTTCGGCGCCGAATAAGGATTTTCGAAGCCATTACGCGGC TAAGTCGGGCATGACGGGAAAAGTCGGGTAGGGCGGAATTTCCGTTGACGCAATGGAAGCACCAGTAAATAAATACTCTGAAAGAGCAC TCTATCCTAGCCGAGGAATAGAAACATTTGACAGATGCTGTTCAATTAATTGCCTTCCTCCCAATTCATTTTTTTTTATTCTGTGGCGTATG TCTTGAACGCCTCGCAACG
<i>A_nomiae_kojT</i>	TGCAGGAAATGAGGACTATTTACAGAACCCGACAGTGCTCGTATGCGTCTACTTATAGTATTAGTTAATAGAGCTAGGACTTAATCATTCT GTTTGGATTATATCATAGACGAACATACCTCTTCTAAGCTCCTCCTGTTCTTTGGTGCCGAAAAACGGTTTTTCGAAGCCATTACGCGGCT AAGTCGGGCATGACGGGAAAAGTCGGTTAGGGCGGAGTTCCGGTTGACGCAATGGAAGCACCAGTAAATAAATACTCTGAAAGAGCAC TTTAGTCTAGCCGAGGAGTGAAAACATTTGAGCAGATGTCGCTTGATTGATTCTTTCTCCTAATTTCTTTTTTATTGTTGGTGTGTGTCT TTGAGCGCCTCGCAACG
<i>A_novoparasiticus_kojT</i>	TGCAGGAAATTGAGGATTATTTACACGATCAGCAAGTGCTAGTATGCGTCTACTTATAGTATTAGTCAATGAACCTGGTACCTAATAATTC AAGGAGAATTATATCATAGACTCACATACCTCTTGTAACCCTTCTCGTCTTTCGGCGCCGAATACGGATTTTCGAAGCCATTACGCGGC TAAGTCGGGCTTGACGGGAAAAGTCGGGTAGGGCGGAATTCGCGTTGACGCAATGGAAGCACCAGTAAATAAATACTCTGAAAGAGCAC ATTTATTCTAGCCGAGGAGTAAAAACATTTGACAGATGCTGCTTAGTTAATTGCCTCCCTCCCAATTCCTTTTTTTTTATTCTGCGCGTATGT CTTGAACGCCTCGCAACG
<i>A_oryzae_kojT</i>	TGCAGGAAATTGAGGACTATTTACACGATCAGAAAGTGCTCGTATGCGTCTACTTATAGTATTAGTCGTTGAACCTAGTACCTAATAATTC TGCTTGAATTATATCATAGACTGACATACCTCATGTAAGTCCTTCTCCTCCTTCGGCGCCGAATAAGGATTTTCGAAGCCATTACGCGGC

	TAAGTCGGGCATGACGGAAAAGTCGGGTAGGGCGGAATTTCCGTTGACGCAATGGAAGCACCCTAGAAATAAACTACTCTGAAAGAGCACA TCTATCCCAGCCGAGGAATAAAAACACTTGACAGATGCTGCTCAATTAATTGCCTCCCTCCCAATTCATTTTTTTTATTCTGTGGCGTATG TCTTGAACGCCTCGCAACG
<i>A_parasiticus_kojT</i>	TGCAGGAAATTGAGGACTATTTACACGATCAGAAAGTGCTCTTATGGGTCTACTTATAGTATTAGTCAATGAACCTGGTACCTAATAATTC AAAGAGAATCATAGCATAGACTCACATACCTCTTGTAAGCCCTCCCTCGTCCTTCAGCGCCGAATAAGGATTTTCGAAGCCATTAGCGGGC TAAGTCGGGCATGACGGAAAAGTCGGGTAGGGCGGAATTTCCGTTGACGCAATGGAAGCACCATTAGAAATAAACTACTCTGAAAAGAGCAC ATTTATTCTAGCCGAGGAGTAAAACATTTGACAGATGCTGCTCAGTTAATTGCCTCCCTCCCAATTCCTTTTTTTTATTCTGCGGCGTATGT CTTGAACGCCTCGCAACG
<i>A_pseudocaelatus_kojT</i>	TGCAGAAAATTGAGGACTAATTACACGATCAGAAAGTGCTCGTATGCGTCTACTTATAGTATTAATCGATGAGCCTAGTACCTATTAATTC TGCGTCCATTATATCATAGACTGACGTACCTCTTGTAAGCTCTTTCTCGCCCTTTGGCGCCGAATAAGGATTTTCGAAGCCATTAGCGGGC TAAGTCGGGCATGACGGGAAAGTCGGTTAGGGCGGATTTCCGGTTGACGCAATGGAAGGAACACTAGAAATAAACTACTCCGAAAAGAGCAC ATTTATTCTTGCCGAGGAGTAAAACATTTGACAGATGTTGTTTTGGTTGAATATCTCTCTCCCAATTCCAATTTTTATTGTGGTGTGT GTCTGAGCGCCCCGCAACG
<i>A_pseudonomius_kojT</i>	TGCAGGAAATGAGGACTATTTACAGAACCAGAAAGTGCTCGTATGCGTCTACTTATAGTATTAGTTAATAGACCTAGGATTTAATCATTCT GTTTGGATTATATCATAGACGAACATATCTCTTCTAAGCTCTTCCTTGTCCTTTGGTGCCGAATAGCGGTTTTTCGAAGCCATTAGCGGGC AAGTCGGGCATGACGGGAAAGTCGGTTAGGGCGGAGTTCCGGTTGACGCAATGGAAGCACCCTAGAAATAAACTACTCTGAAAAGAGCACA TTTAGTCTAGCCGAGTAGTGAACATTTGGCAGATGTCGCTTAATTGATTCCCTTCTCCCAATTCCTTTTTTTTTTATTGTGGTGTGT GTCTTGAGCGCCTCGCAACG
<i>A_pseudotamarii_kojT</i>	TGCAGGAAATTGAGGACTATTTACACGATCAGAAAGGGCTCGTATGCGTCTACTTATAGTATTAGTCGATAGGCCCTAGTACCTAGTAATTC TGCTTGCAATTATATCATAGACTGACGTACCTCTTGTAAGCTCTTTCTCGCCCTTTGGCGCTGAATAAGGATTTTCGAAGCCATTAGCGGGC TAAGTCGGCCATGACGGGAAAGTCGGTTAAGGCGGATTTCCGGTTGACGCAATGGAAGGACCCTAGAAATAAACTAGTCCGAAAAGAGCAC ATTTATTCTTGCCGAGGAGTAAAACATTTGACAGATGTTGCCTTAATTATCTCTCTCCCAATTCCTTTTATTATTTTGTGGTGTGTGTCT TGAGCGCCTCGCAACG
<i>A_sergii_kojT</i>	TGCAGGAAATTGAGGATTATTTACACGATCAGAAAGTGCTAGTATGCGTCTACTTATAGTATTAGTCAATGAACCTGGTACCTAATAATTC AAGGAGGATTATATCATACACTCACATACCTCTTGTAAGCCCTTCCTCGTCCTTCGGCGCCGAATAAGGATTTTCGAAGCCATTAGCGGGC TAAGTCGGGCATGACGGAAAAGTCGGGTAGGGCGGAATTTTCGTTGACGCAATGGAAGCACCCTAGAAATAAACTACTCTGAAAAGAGCAC ATTTATTCTAGCCGAGGAGTAAAACATTTGACAGATGCTGCTCAGTTAATTGCCTCGCTCCCAATTCCTTTTTTTTTTATTCTGCGGCGTATG TCTTGAACGCCTCGCAACG
<i>A_sojae_kojT</i>	TGCAGGAAATTGAGGACTATTTACACGATCAGAAAGTGCTCTTATGGGTCTACTTATAGTATTAGTCAATGAACCTGGTACCTAATAATTC AAGGAGGATTATATCATAGACTCACATACCTCTTGTAAGCCCTTCCTCGTCCTTCAGCGCCGAATAAGGATTTTCGAAGCCATTAGCGGGC TAAGTCGGGCATGACGGAAAAGTCGGGTAGGGCGGAATTTCCGTTGACGCAATGGAAGCACCATTAGAAATAAACTACTCTGAAAAGAGCAC ATTTATTCTAGCCGAGGAGTAAAACATTTGACAGATGCTGCTCAGTTAATTGCCTCCCTCCCAATTCCTTTTTTCTATTCTGCGGCGCATGT CCTGAACGCCTCGCAACG
<i>A_tamarii_kojT</i>	CACAGGAAATTGAGGACTATTTACACGATCAGAAAGTGCTCGTATGCGTCTACTTATAGTATTAATCCATGAGCCTAGTATCTAGTAATTC TGCTTGCAATTATATCATAGACTGACGTATCTCATGTAAGCTCTTTCTCGCCCTTTGGCGCCGAATAAGGATTTGCGAAGCCATTAGCGGGC TAAGTCGGGCATGACGGGAAAGTCGGTTAGGGCGGATTTCCGCGTTGACGCAATCGAAGCACCCTAGAAATAAACTACTCCGAAAAGAGCAC ATTTATTCTTGCCGAGGATTAAAGACATTTGACAAAGTGTTGCTTTAATTGATTGTCTTTCTCCCAATTAACTTTTGTATTTTGTGGCGTGT GTCTTGAGCGCCTCGCAACG
<i>A_transmontanensis_kojT</i>	TGCAGGAAATTGAGGATTATTTACACGATCAGAAAGTGCTAGTATGCGTCTACTTATAGTATTAGTCAATGAACCTGGTACCAAATAATTC AAAGAGAATTATAGCATAGACTCACATACCTCTTGTAAGCCCTTCCTCGTCCTTCAGCGCCGAATAAGGATTTTCGAAGCCATTAGCGGGC TAAGTCGGGCATGACGGAAAAGTCGGGTAGGGCGGAATTTCCGTTGACGCAATGGAAGCACCATTAGAAATAAACTACTCTGAAAAGAGCAC ATTTATTCTAGCCGAGGAGTAAAACATTTGACAGATGCTGCTCAGTTAATTGCCTCCCTCCTAATTCCTTTTTTTTATTCTGCGGCGTATGT CTTGAACGCCTCGCAACG

Table S3. Normalized expression levels of KA genes in *A. flavus* strains

Strain	Gene								
	<i>kojA</i>			<i>kojR</i>			<i>kojT</i>		
	48 h	72 h	Change ^c	48 h	72 h	Change	48 h	72 h	Change
KuPG ^a	4.16 ^b	3.18	2.0	9.43	8.77	1.6	7.66	2.53	35.2
$\Delta kojR$	7.32	8.09	0.6	25.38 ^d	25.11 ^d	1.2 ^d	8.41	8.61	0.9
D-8	4.34	2.71	3.1	5.59	7.11	0.3	6.90	2.82	16.9
D-16	12.03	2.93	550.6	7.71	7.86	0.9	11.32	3.75	190.7
D-20	9.46	2.00	176.1	7.21	6.67	1.5	10.06	3.24	112.9
I-5	7.06	2.53	23.0	5.36	6.22	0.6	8.38	2.96	42.9
I-9	7.96	4.13	14.2	5.53	5.45	1.1	9.22	5.99	9.3
I-16	6.84	2.40	21.7	3.87	5.77	0.3	8.14	4.84	9.9

a: KuPG is the KA-producing control strain.

b: *A. flavus* 18S gene expression was used as the normalizer to obtain ΔCt values.

c: Fold of change in gene expression from 48 h to 72 h.

d: The Ct values are greater than 40, and the change thus is not meaningful.