

Supplementary Materials

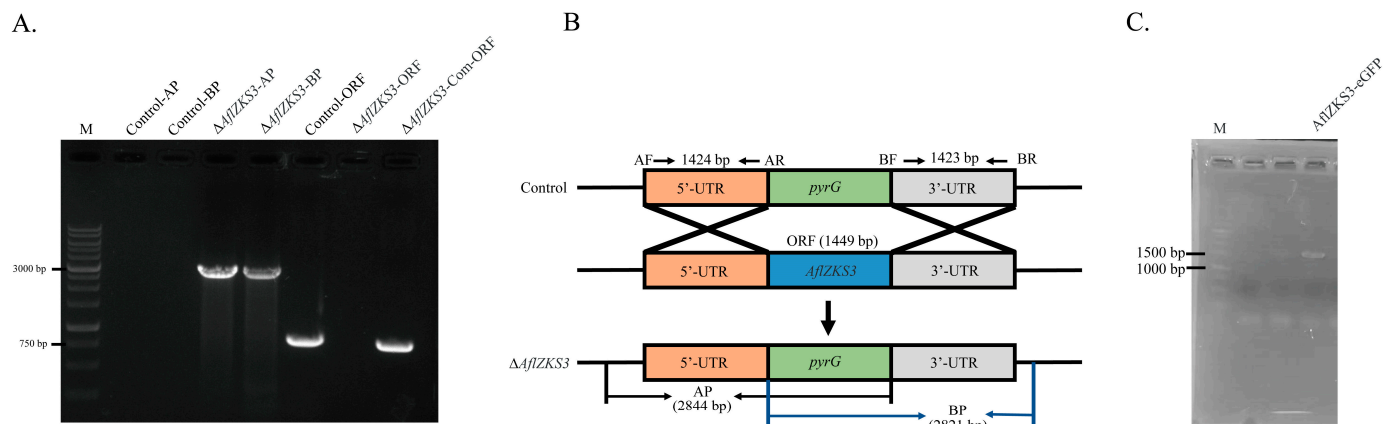


Figure S1. Construction and verification of $\Delta AflZKS3$, $\Delta AflZKS3$ -Com and $AflZKS3$ -eGFP strains. (A) Verification of $\Delta AflZKS3$ and $\Delta AflZKS3$ -Com strains. Control-AP and $\Delta AflZKS3$ -AP were amplified with primers $AflZKS3$ -del-1 and $pyrG$ -R. Control-BP and $\Delta AflZKS3$ -BP were amplified with primers $pyrG$ -F and $AflZKS3$ -del-4. AP represented a fragment including the upstream homologous arm of $AflZKS3$ and $pyrG$, and BP represented a fragment including $pyrG$ and the downstream homologous arm of $AflZKS3$. Control-ORF, $\Delta AflZKS3$ -ORF and $\Delta AflZKS3$ -Com-ORF were amplified with primers $AflZKS3$ -iden-1 and $AflZKS3$ -iden-2 localized with the ORF of $AflZKS3$; (B) Schematic diagram of $\Delta AflZKS3$ strain construction; (C) Verification of $AflZKS3$ -eGFP strain. $AflZKS3$ -eGFP were amplified with primers $AflZKS3$ -iden-1 and $AflZKS3$ -eGFP-4 to ensure the fusion protein $AflZKS3$ -eGFP was constructed successfully.

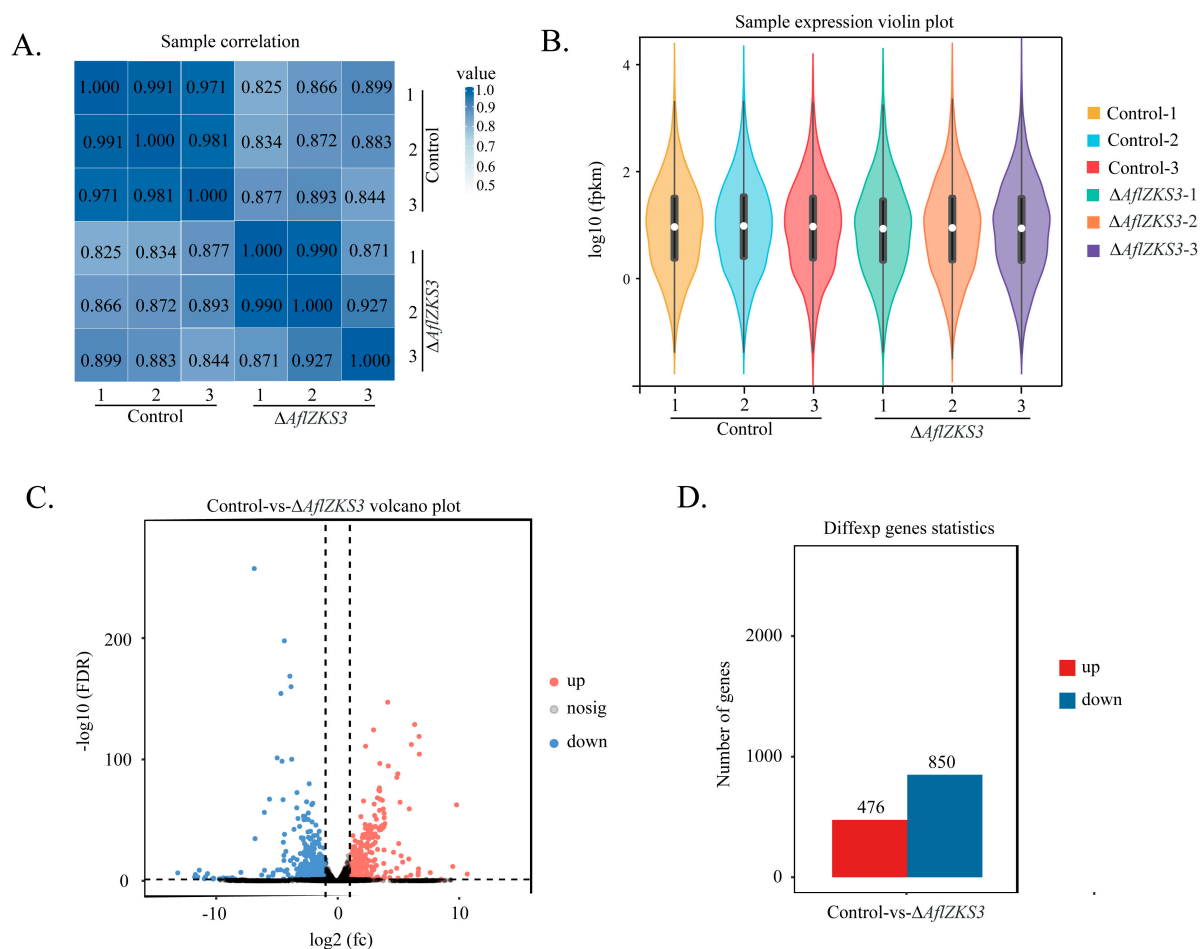


Figure S2. Quality control of samples and overview of DEGs. (A) Person correlation coefficient analysis; (B) Violin plot; (C) Volcano map of DEGs; (D) Number of DEGs.

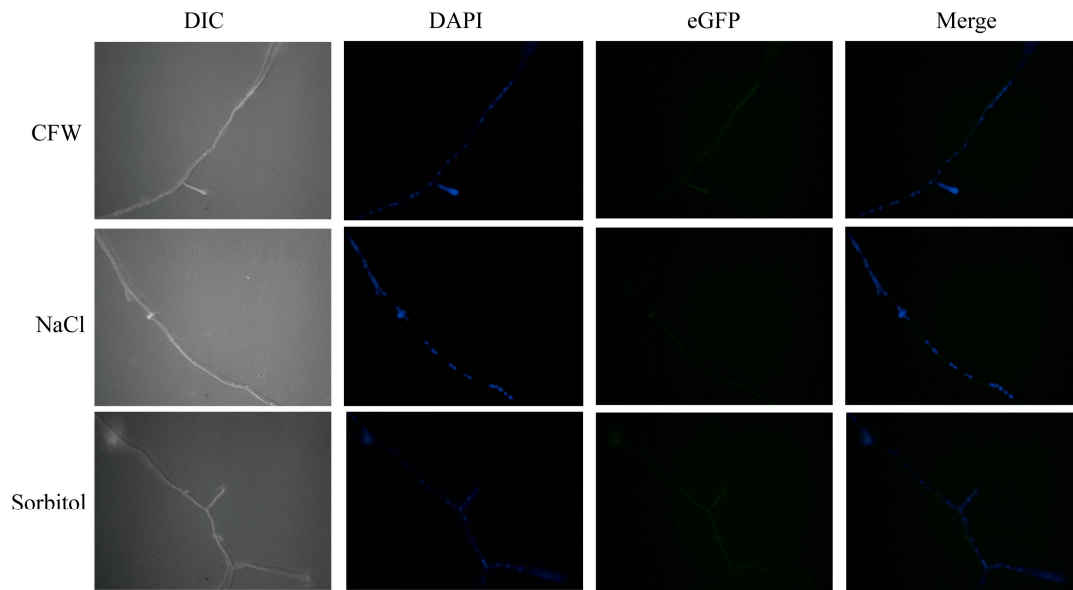


Figure S3. Location of *AflZKS3-eGFP* in *A. flavus* in the presence of CFW, NaCl and sorbitol.

Table S1. Primers used in this study.

Primer name	Sequence (5'-3')	Application
<i>AflZKS3-del-1</i>	ctagaggatctactagtcatatggattTCATCTACTGTTTTCCACCCCCT	Δ <i>AflZKS3</i> strain construction
<i>AflZKS3-del-2</i>	ctgcggcgcggttctcgaggaagtgcAGGGACGGTAGTCAAGGACAAAT	
<i>AflZKS3-del-3</i>	atgtgtaacggtattgactaaaagggAGTCTCAATGATCGGCAGGACCTCT	
<i>AflZKS3-del-4</i>	tcgagctcgggtaccggggatccgattCAGACTCAATAGCCGACAGCAAGAC	
<i>AflZKS3-iden-1</i>	CGTGTCGCTATACTTCATTTGG	
<i>AflZKS3-iden-2</i>	TCATCTCGTAGTTCTCCGGTTC	
pyrG-F	GCAACTTCCTCGAGAACGCGCCGCA	Δ <i>AflZKS3-Com</i> strain construction
pyrG-R	CCCTTTTAGTCAATACCGTTACACA	
<i>AflZKS3-com-1</i>	AAACAGCTATGACCATGATTACGCCAGCTTGCAGCTTCACACCTGATAATA	<i>AflZKS3-eGFP</i> strain construction
<i>AflZKS3-com-2</i>	GGCCAGTGAATTCGAGCTCGGTACCCGTACGGCGGATATTAAATGGATGAG	
<i>AflZKS3-eGFP-1</i>	AAACAGCTATGACCATGATTACGCCATTTTCTATTTGACTTGAAGTCCACG	qRT-PCR
<i>AflZKS3-eGFP-2</i>	AATTTTTGGCTTCATCTCGTAGTTC	
<i>AflZKS3-eGFP-3</i>	GAACTACGAGATGAAGCCAAAAATTggcgagggcgccggcgagggcgccggcgca	
<i>AflZKS3-eGFP-4</i>	GGCCAGTGAATTCGAGCTCGGTACCCCGGAGATCCTGATCATCCGTGAGA	
<i>aflB-F</i>	GCCATTCACCAAGTCATACA	qRT-PCR
<i>aflB-R</i>	AACCTACGCTCAAATCCGAT	
<i>aflF-F</i>	CGCAAACCTTCAGACAACCTA	
<i>aflF-R</i>	ATCCCTTTATCTGAGCACGA	
<i>aflQ-F</i>	GTCGCATATGCCCCGGTTCGG	
<i>aflQ-R</i>	GGCAACCAGTCGGGTTCCGG	
<i>FLOT1-F</i>	GATGTTGCTGAGGCACGGAT	
<i>FLOT1-R</i>	CCAGTGTCCAAATCAGCAAG	
actin-F	ACGGTGTCGTCACAAACTGG	
actin-R	CGGTTGGACTTAGGGTTGATAG	