

CORRECTION

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Correction: Rapid detection of avian influenza virus based on CRISPR-Cas12a

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Following publication of the original article [1], the authors identified some errors in Fig. 5 (a b e) and Table 1 (line 18). The correct Fig. 5 and Table 1 is given below:

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Reference

1. Zhou X, et al. Rapid detection of avian influenza virus based on CRISPR-Cas12a. *Virology Journal*. 2023;20:261. <https://doi.org/10.1186/s12985-023-02232-7>.

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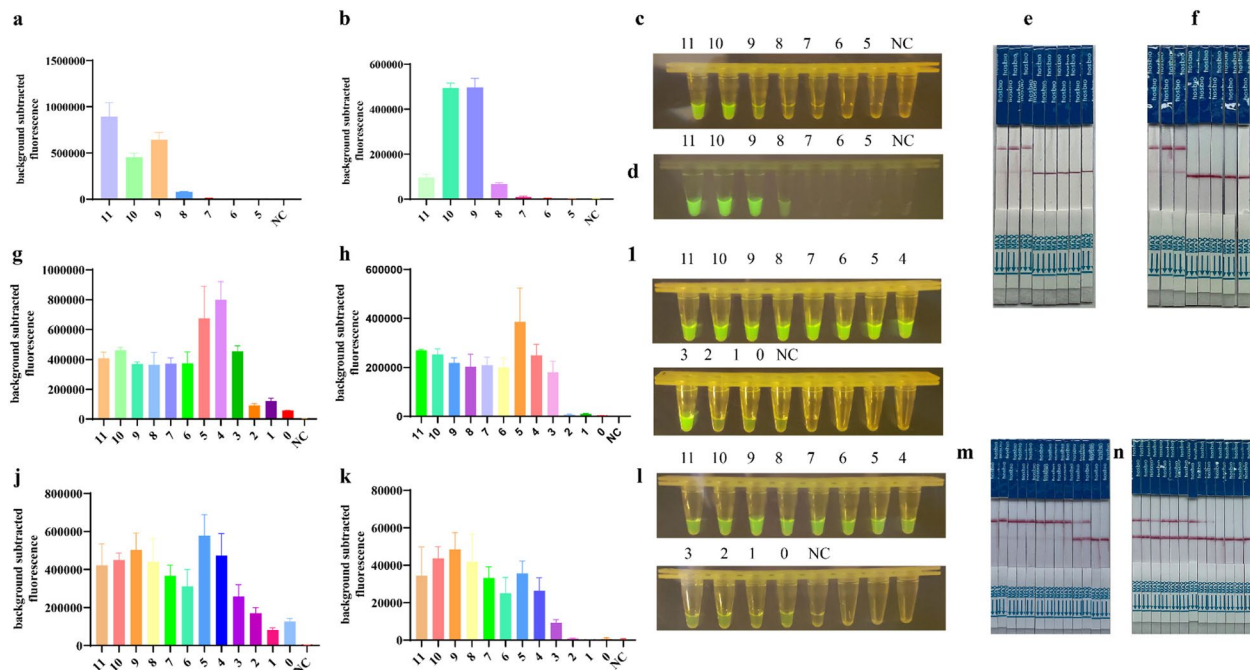


Fig. 5 Sensitivity analysis. a, c, e Ten-fold serial dilutions of plasmid template targeting the M gene at 2.4×10^{11} copies/ μL for the sensitivity assay; b, d, f Ten-fold serial dilutions of plasmid template targeting the NP gene at 8.67×10^{11} copies/ μL for the sensitivity assay; (M:11–5, 2.4×10^{11} copies/ μL – 2.4×10^5 copies/ μL ; NP:11–5, 8.67×10^{11} copies/ μL – 8.67×10^5 copies/ μL); g, h, i, m Ten-fold serial dilutions of RNA template targeting M gene at 6.7×10^{11} copies/ μL for the sensitivity assay by RT-RPA/CRISPR; i, k, l, n Ten-fold serial dilutions of RNA template targeting NP gene at 12×10^{11} copies/ μL for the sensitivity assay by RT-RPA/CRISPR. (M:11–0, 6.7×10^{11} copies/ μL – 6.7×10^0 copies/ μL ; NP:11–0, 12×10^{11} copies/ μL – 12×10^0 copies/ μL). Fluorescent signals were collected every 5 min and displayed for 2 h and 30 min, respectively

Table 1 Oligonucleotides used for crRNA and RT-RPA production

Primer name	Sequence(5'to3')	Product size
crRNA-M-1	UAAUUUCUACUAAGUGUAGAUAGAAAAGACGAUCAAGAAUCC	
crRNA-M-2	UAAUUUCUACUAAGUGUAGAUAGGCUACCCAGAAACGGAU	
crRNA-M-3	UAAUUUCUACUAAGUGUAGAUACUCCCATCCGUUUCUGG	
crRNA-M-4	UAAUUUCUACUAAGUGUAGAUUGUUCACGCUCACCCGUGCCCAG	
mRPA-4-F1	CAAGACCAATCCTGTACCTCTGACTAAGGGG	103 bp
mRPA-4-R1	TTTTGGACAAAGCGTCTACGCTGCAGTCTCGCTC	
mRPA-4-F2	CAATCCTGTACCTCTGACTAAGGGGATTTAGGG	97 bp
mRPA-4-R2	TTTTGGACAAAGCGTCTACGCTGCAGTCTCGCTC	
mRPA-4-F3	AGATCGCGCAGAGACTTGAGGATGCTTTGCAGGG	214 bp
mRPA-4-R3	TCCATGTTGTTGGGCTCCATTCCATTTAGGGC	
crRNA-NP-1	UAAUUUCUACUAAGUGUAGAUAGGUCUGCUUCAAACAGCCAG	
NP1-RPA-F1	TGGATATGACTTTGAGAGAGAAGGGTACTCCCTCG	137 bp
NP1-RPA-R1	ATGCCATCCACTAGTTGACTCTTGTTGTGCTGGG	
NP1-RPA-F2	TATGACTTTGAGAGAGAAGGGTACTCCCTGTTGG	212 bp
NP1-RPA-R2	GATAGCTGCTCTTGGGACCATTCTGTGCCCTC	
NP1-RPA-F3	GAGAGAGAAGGGTACTCCCTGTTGGAATAGATCC	89 bp
NP1-RPA-R3	TTCTCATTTGGTCTAATGAGACTAAGACCTGGC	
crRNA-NP-2	UAAUUUCUACUAAGUGUAGAUAGGAGAGAGACGGGAAUUGG	
crRNA-NP-3	UAAUUUCUACUAAGUGUAGAUAGGCAAGGUCGACUCAUCCU	
crRNA-NP-4	UAAUUUCUACUAAGUGUAGAUAGAAUUCUUUGAGGAUGUUGC	