

Resource Summary Report

Generated by SPARC SAWG on Sep 5, 2026

TMPRSS2

RRID:NSRRC_0060

Type: Organism

Proper Citation

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Organism Information

URL: <https://nsrrc.missouri.edu/StrainAvail/>

Proper Citation: RRID:NSRRC_0060

Description: Application: Immune system

Species: Sus scrofa

Notes: Application: Immune system

Phenotype: influenza resistant

Affected Gene: TMPRSS2

Genomic Alteration: TMPRSS2 knockout

Catalog Number: 60

Background: outbred

Database: NSRRC, National Swine Resource and Research Center (NSRRC)

Database Abbreviation: NSRRC

Organism Name: TMPRSS2

Record Creation Time: 20230226T235432+0000

Record Last Update: 20260829T225921+0000

Ratings and Alerts

No rating or validation information has been found for TMPRSS2.

No alerts have been found for TMPRSS2.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: NSRRC, National Swine Resource and Research Center (NSRRC)

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

Kwon T, et al. (2024) Gene editing of pigs to control influenza A virus infections. bioRxiv : the preprint server for biology.

Whitworth KM, et al. (2017) Zygote injection of CRISPR/Cas9 RNA successfully modifies the target gene without delaying blastocyst development or altering the sex ratio in pigs. Transgenic research, 26(1), 97.