

# Resource Summary Report

Generated by [NIF](#) on Sep 17, 2026

## Soriano Gene Trap ES cell line S9-4D1

RRID:MMRRC\_014049-UCD

Type: Organism

---

### Proper Citation

RRID:MMRRC\_014049-UCD

---

### Organism Information

**URL:** [https://www.mmrrc.org/catalog/cellLineSDS.php?mmrrc\\_id=14049](https://www.mmrrc.org/catalog/cellLineSDS.php?mmrrc_id=14049)

**Proper Citation:** RRID:MMRRC\_014049-UCD

**Description:** Mus musculus with name Soriano Gene Trap ES cell line S9-4D1 from MMRRC.

**Species:** Mus musculus

**Notes:** Research areas: ; Mutation Type: Gene Trap ; Collection: Soriano Gene Trap Lines

**Affected Gene:** Spred1

**Catalog Number:** 014049-UCD

**Background:** Gene Trap

**Database:** Mutant Mouse Resource and Research Center (MMRRC)

**Database Abbreviation:** MMRRC

**Source References:** [PMID:8231879](#), [PMID:14696359](#)

**Alternate IDs:** MMRRC\_14049-UCD, MMRRC\_014049, MMRRC\_1449

**Organism Name:** Soriano Gene Trap ES cell line S9-4D1

**Record Creation Time:** 20230308T054926+0000

**Record Last Update:** 20260912T134312+0000

---

### Ratings and Alerts

No rating or validation information has been found for Soriano Gene Trap ES cell line S9-4D1.

No alerts have been found for Soriano Gene Trap ES cell line S9-4D1.

---

## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** Mutant Mouse Resource and Research Center (MMRRC)

---

## Usage and Citation Metrics

We have not found any literature mentions for this resource.