

# Resource Summary Report

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## SMART

RRID:SCR\_005026

Type: Tool

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### Proper Citation

SMART (RRID:SCR\_005026)

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### Resource Information

**URL:** <http://smart.embl.de/>

**Proper Citation:** SMART (RRID:SCR\_005026)

**Description:** Software tool for identification and annotation of genetically mobile domains and analysis of domain architectures.

**Abbreviations:** SMART

**Synonyms:** Simple Modular Architecture Research Tool

**Resource Type:** data or information resource, data access protocol, service resource, data analysis service, analysis service resource, web service, database, software resource, production service resource

**Defining Citation:** [PMID:18978020](#), [PMID:16381859](#), [PMID:14681379](#), [PMID:10592234](#), [PMID:9847187](#), [PMID:9600884](#)

**Keywords:** extracellular, gene, genetic, genetically, genome, architecture, chromatin, domain, mobile, phyletic, protein, proteome, signaling, structure, taxonomic, tertiary, bio.tools, FASEB list

**Funding:** European Union

**Availability:** Free, Freely available

**Resource Name:** SMART

**Resource ID:** SCR\_005026

**Alternate IDs:** nif-0000-03471, biotools:smart

**Alternate URLs:** <http://smart.embl-heidelberg.de/>, <https://bio.tools/smart>

**Record Creation Time:** 20220129T080228+0000

**Record Last Update:** 20250421T053459+0000

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## Ratings and Alerts

No rating or validation information has been found for SMART.

No alerts have been found for SMART.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 5803 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [FDI Lab - SciCrunch.org](#).

Eskes ECB, et al. (2025) Natural disease course of chronic visceral acid sphingomyelinase deficiency in adults: A first step toward treatment criteria. *Journal of inherited metabolic disease*, 48(1), e12789.

Majer J, et al. (2025) Infant and young child feeding practices among conflict-affected Ukrainian households: A cross-sectional survey in Kyiv, Lviv and Odesa regions. *Maternal & child nutrition*, 21(1), e13742.

Chen J, et al. (2025) Piwi regulates the usage of alternative transcription start sites in the *Drosophila* ovary. *Nucleic acids research*, 53(1).

Wu F, et al. (2025) Whole exome sequencing identifies KCNH7 variants associated with epilepsy in children. *Genes & diseases*, 12(2), 101322.

Cai H, et al. (2025) Relationship between CTF1 gene expression and prognosis and tumor immune microenvironment in glioma. *European journal of medical research*, 30(1), 17.

Liu T, et al. (2025) Transcriptomic analysis reveals the crucial role of YABBY genes family in hormonal induced parthenocarpy in *Cucumis sativus* L. *BMC plant biology*, 25(1), 45.

Vaira LA, et al. (2025) Enhancing AI Chatbot Responses in Health Care: The SMART Prompt Structure in Head and Neck Surgery. *OTO open*, 9(1), e70075.

Wen H, et al. (2025) Evolutionary analysis of the DHCs in Saccharinae. *Scientific reports*, 15(1), 2290.

Liu B, et al. (2025) Comprehensive Identification of AREB Gene Family in *Populus euphratica* Oliv. and Functional Analysis of PeAREB04 in Drought Tolerance. *International journal of molecular sciences*, 26(2).

Feng X, et al. (2025) Genome-Wide Analysis of bZIP Transcription Factors and Expression Patterns in Response to Salt and Drought Stress in *Vaccinium corymbosum*. *International journal of molecular sciences*, 26(2).

Skrzek K, et al. (2025) Application of Fuzzy Logic-Based Expert Advisory Systems in Optimizing the Decision-Making Process for Material Selection in Additive Manufacturing. *Materials (Basel, Switzerland)*, 18(2).

Wu Q, et al. (2025) Defects in the H3t Gene Cause an Increase in Leydig Cells With Impaired Spermatogenesis in Mice. *Genes to cells : devoted to molecular & cellular mechanisms*, 30(1), e13182.

Lei M, et al. (2025) Prenatal Silicon Dioxide Nanoparticles Exposure Reduces Female Offspring Fertility Without Affecting Males. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 12(3), e2410353.

Han Z, et al. (2025) Novel polymycoviruses are encapsidated in filamentous virions. *Journal of virology*, 99(1), e0151524.

Wang Y, et al. (2025) Identification of the CaCRT gene family and function of CaCRT1 under low-temperature stress in pepper (*Capsicum annuum* L.). *Scientific reports*, 15(1), 90.

Sasa N, et al. (2025) Blood DNA virome associates with autoimmune diseases and COVID-19. *Nature genetics*, 57(1), 65.

Yu P, et al. (2025) PWWP domain-containing protein Crf4-3 specifically modulates fungal azole susceptibility by regulating sterol C-14 demethylase ERG11. *mSphere*, 10(1), e0070324.

Shi H, et al. (2025) Coordinated regulation of two LacI family regulators, GvmR and GvmR2, on guvermectin production in *Streptomyces caniferus*. *Synthetic and systems biotechnology*, 10(1), 237.

Wang K, et al. (2025) Exploring the Role of Ccn3 in Type III Cell of Mice Taste Buds. *Journal of neurochemistry*, 169(1), e16291.

Tanthuwapathom R, et al. (2025) Reliability of sitting posture between physical therapist video-based evaluation and SMART IMU system using rapid upper limb assessment (RULA). Scientific reports, 15(1), 1441.