BIOTECHNO (Biotechnobase)

Subject Coverage

- Agriculture
- Development of novel therapeutic
- Environmental science
- Food science
- Forensic science
- Medicine & health care
- Microbial biotechnology
- Pharmaceutics & pharmacology
- Textiles

File Type

Bibliographic

Features

Thesaurus	None				
Alerts (SDIs)	Not available				
CAS Registry Numbers®	☑	Page Images	☐	STN AnaVist	☐
Keep & Share	☐	SLART	☑	STN Easy	☑
Learning Database	☐	Structures	☐	STN Viewer	☐

Record Content

- Bibliographic data, indexing, drug trade names and their manufacturers, medical device trade names and manufacturers, CAS Registry Numbers®, and abstracts.

File Size

- 1.777,566 million records

Coverage

1980-2003

Updates

Not updated

Language

English

Database Producer

Elsevier B.V.
E-products Team
1000 AE Amsterdam
The Netherlands
Phone: +31 20 485 3507
Fax: +31 20 485 3222
E-mail: ebd-marketing@elsevier.nl

Database Supplier

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STN Europe
P.O. Box 2465
76012 Karlsruhe
Germany
Phone: +49-7247-808-555
Fax: +49-7247-808-259
E-mail: helpdesk@fiz-karlsruhe.de

Sources

- Journals
- Books
- Conference Proceedings

User Aids

- Online Helps (HELP DIRECTORY lists all help messages available)
- STNGUIDE

Clusters

- AGRICULTURE
- ALLBIB
- AUTHORS
- BIOSCIENCE
- BUSINESS
- CASRNS
- CHEMENG
- CHEMISTRY
- ORPSOURCE
- ENGINEERING
- ENVIRONMENT
- FOOD
- HEALTH
- MEDICINE
- MEETINGS
- PHARMACOLOGY
- TOXICOLOGY

STN Database Clusters information (PDF)

Pricing

See the STN Price List or enter HELP COST at an arrow prompt.

Search and Display Field Codes

Fields that allow left truncation are indicated by an asterisk (*).

General Search Fields

Search Field Name	Search Code	Search Examples	Display Codes
Basic Index* (contains single words from the abstract (AB), chemical name (CN), corporate name (CO), controlled term (CT), gene number (GEN), trade name (TN), and title (TI) fields, as well as CAS Registry Numbers)	None or /BI	S ZINC FINGER PROTEIN? S 147-85-3 S PROLINE 147-85-3 S ?ISOMER?(L)METABOLITE	AB, CN, CO CT, GEN, RN, TN, TI
Accession Number	/AN	S 1999:29304189/AN	AN
Author	/AU	S MANCHESTER, L C/AU	AU
Chemical Name (Chemical Name and Drug Trade Name) **(1)**	/CN	S COTAZYM 65B/CN	CN, RN
Controlled Term* (includes main terms)	/CT	S CELL GROWTH/CT S *VIRUS/CT S ?MYCIN?/CT	CT
Controlled Word	/CW	S MUTATION/CW	CT
Corporate Name (Drug Manufacturer and Device Manufacturer) **(1)**	/CO	S SIGMA/CO S NOVO FARMACEUTICI ITALIA/CO	CO
Corporate Source **(1)**	/CS	S PFIZER/CS S UNIV ARIZ?/CS	CS
Country (of publication) (ISO code and text)	/CY	S NETHERLANDS/CY S NL/CY	CY
Document Type (code and text)	/DT (or /TC)	S B/DT S BOOK/DT	DT
E-mail **(1)**	/EML	S REITER UTHSCSA/EML	CS, EML
Entry Date **(2)**	/ED (or /UP)	S L1 AND ED <= FEB 2000	ED
Field Availability	/FA	S GEN/FA	not displayed
Gene Number	/GEN	S (A04926(S)REFERRED NUMBER)/GEN	GEN
Geographic Term	/GT	S UNITED STATES/GT	GT
International Standard (Document) Number (contains CODEN, ISSN and ISBN)	/ISN	S 0022-2836/ISN S 0195091590/ISN S JMOBAK/ISN	ISN, SO
Journal Title	/JT	S JOURNAL OF BIOCHEMISTRY/JT	JT, SO
Language (ISO code and text)	/LA	S DE/LA S GERMAN/LA	LA
Meeting Date **(2)**	/MD	S MD=3 SEP 1999	MD, SO
Meeting Location **(1)**	/ML	S SYDNEY/ML and DIABETES/MT	ML, SO
Meeting Title	/MT	S THYROID CELL SYSTEM/MT	MT, SO
Meeting Year **(2)**	/MY	S 1988-1989/MY	MY, SO
Publication Date **(2)**	/PD	S PD=1 APR, 1999	PD, SO
Publication Year **(2)**	/PY	S 1998-1999/PY	PY, SO
Publisher **(1)**	/PB	S ANN ARBOR SCIENCE/PB	PB, SO
Publisher Item Identifier	/PUI	S S0001706X99000480/PUI	
Reference Count **(2)**	/REC (or /RE.CNT)	S L1 AND REC <=10	REC, SO

General Search Fields (cont'd)

Search Field Name	Search Code	Search Examples	Display Codes
Source (contains journal titles, and other higher level titles, publisher and place of publication, meeting information, collation, CODEN, ISSN and ISBN, and publication year)	/SO	S GENOMICS/SO AND 1999/PY S AJPAA4/SO	SO
Summary Language (ISO code and text)	/SL	S GERMAN/SL S DE/SL	SL
Title **(3)**	/TI	S MODELLING BIODEGRATION/TI	TI
Trade Name (Chemical Name, Drug Trade Name and Medical Device Trade Name)	/TN	S ACTRAPID/TN	CN, TN, RN
Word Count, Title **(2)**	/WC.T	S WC.T <=15	WC.T

(1) Search with implied (S) proximity is available in this field.
(2) Numeric search field that may be searched with numeric operators or ranges.
(3) Title of higher level (e.g. title of book in a record of a book article) are searchable in /SO.

DISPLAY and PRINT Formats

Any combination of formats may be used to display or print answers. Multiple codes must be separated by spaces or commas, e.g., D L1 1-5 TI AU. The fields are displayed or printed in the order requested.

Hit-term highlighting is available for all fields. Highlighting must be ON during SEARCH to use the HIT, KWIC, and OCC formats.

Format	Content	Examples
AB	Abstract	D TI AB
AN	Accession Number	D 1-5 AN
AU	Author	D AU TI
CN	Chemical Name (format includes RN)	D CN
CO	Corporate Name	D CO
CS	Corporate Source	D CS
CT	Controlled Term	D CT
CY	Country (of publication)	D CY
DT (TC)	Document Type	D DT
ED (UP) **(1)**	Entry Date	D ED
EML **(1)**	E-mail Address	D EML
GEN	Gene Number	D CT, GEN
GT **(1)**	Geographic Term	D GT
ISN **(1)**	International Standard (Document) Number	D ISN
JT **(1)**	Journal Title	D JT
JTA **(1)**	Journal Title, Abbreviated	D JTA
JTF **(1)**	Journal Title, Full	D JTF
LA	Language	D LA TI
MD **(1)**	Meeting Date	D MD
ML **(1)**	Meeting Location	D ML
MT **(1)**	Meeting Title	D MT
MY **(1)**	Meeting Year	D MY
PB **(1)**	Publisher	D PB
PD **(1)**	Publication Date	D PD
PUI	Publisher Item Identifier	D PUI SO

DISPLAY and PRINT Formats (cont'd)

Format	Content	Examples
PY **(1)** REC (RE.CNT) **(1)** RN SL SO TI TN WC.T **(1)**	Publication Year Reference Count CAS Registry Number Summary Language Source Title Trade Name (format includes CN) Word Count, Title	D PY D REC D RN D SL D SO D TI 1-3 D TN D WC.T
ABS ALL DALL IALL BIB IBIB IND SCAN **(2)** TRIAL (TRI, SAMPLE, SAM, FREE) **(3)**	AN, AB AN, TI, AU, CS, SO, PUI, DT, CY, LA, SL, AB, CT, RN, CN, TN, CO, GEN ALL, with delimiter for post-processing ALL, indented with text labels AN, TI, AU, CS, SO, PUI, DT, CY, LA, SL, (BIB is the default) BIB, indented with text labels AN, CT, RN, CN, TN, CO, GEN TI, CT (random display without answer numbers) AN TI, CT	D ABS D ALL D DALL D IALL D 8 BIB D IBIB D IND D SCAN D TRI
HIT KWIC OCC	Hit term(s) and field(s) Up to 50 words before and after hit term(s) (KeyWord-In-Context) Number of occurrences of hit term(s) and field(s) in which they occur	D HIT D KWIC D OCC

(1) Custom display only.
(2) SCAN must be specified on the command line, i.e., D SCAN or DISPLAY SCAN.
(3) FREE is not available for print.

SELECT, ANALYZE, and SORT Fields

The SELECT command is used to create E-numbers containing terms taken from the specified field in an answer set.

The ANALYZE command is used to create an L-number containing terms taken from the specified field in an answer set.

The SORT command is used to rearrange the search results in either alphabetic or numeric order of the specified field(s).

Field Name	Field Code	ANALYZE/ SELECT (1)	SORT
Abstract	AB	Y **(2)**	N
Accession Number	AN	Y	N
Author	AU	Y	Y
CAS Registry Number	RN	Y **(2)**	N
Chemical Name	CN	Y	Y
	NAME	Y **(3)**	N
Chemical Name and CAS Registry Number	CHEM	Y **(4)**	N
Citation	CIT (RE)	Y **(5,6)**	N
CODEN	CODEN	N	Y
Controlled Term	CT	Y	N
Corporate Source	CS	Y	Y
Country (of publication)	CY	Y	Y
Data Entry Date	DED	Y	Y

SELECT, ANALYZE, and SORT Fields (cont'd)

Field Name	Field Code	ANALYZE/ SELECT (1)	SORT
Document Number	DN	Y	N
Document Type	DT (TC)	Y	Y
E-mail Address	EML	Y	Y
Entry Date	ED (UP)	Y	Y
Genbank	GENBANK (GBN)	Y **(2,5)**	N
Gene Number	GEN	Y	Y
Geographic Term	GT	Y	Y
International Standard (Document) Number	ISN	Y **(7)**	Y
International Standard Book Number	ISBN	N	Y
International Standard Serial Number	ISSN	N	Y
Journal Title	JT	Y	Y
Journal Title, Abbreviated	JTA	Y	Y
Journal Title, Full	JTF	Y	Y
Language	LA	Y	Y
Meeting Date	MD	Y	Y
Meeting Location	ML	Y	Y
Meeting Title	MT	Y	Y
Meeting Year	MY	Y	Y
Occurrence Count of Hit Terms	OCC	N	Y
Publication Date	PD	Y	Y
Publication Year	PY	Y	Y
Publisher	PB	Y	Y
Publisher Item Identifier	PUI	Y	Y
Reference Count	REC (RE.CNT)	Y	Y
Source	SO	Y **(8)**	Y
Summary Language	SL	Y	Y
Title	TI	Y (default)	Y
Trade Name	TN	Y	Y
Word Count, Title	WC.T	Y	Y

(1) HIT may be used to restrict terms extracted to terms that match the search expression used to create the answers set, e.g., SEL HIT CT.
(2) Appends /BI to the terms created by SELECT.
(3) Selects or analyzes Chemical Name (CN) and appends /BI to the terms created by SELECT.
(4) Selects or analyzes Chemical Name (CN) and CAS Registry Number and appends /BI to the terms created by SELECT.
(5) SELECT HIT or ANALYZE HIT are not valid with this field.
(6) SELECT or ANALYZE CIT allows you to extract the reference from the source documents in this file and have them automatically converted to a citation format for searching in the SCISEARCH file. SEL or ANALYZE CIT extracts first author, publication year, volume, first page, with a truncation symbol and with /RE appended to the terms created by SELECT.
(7) Selects or analyzes CODEN, ISSN or ISBN with /ISN appended to the terms created by SELECT.
(8) Selects or analyzes CODEN, ISSN or ISBN with /SO appended to the terms created by SELECT.

Sample Records

DISPLAY ALL

```
AN    2000:30051583   BIOTECHNO
TI    HAESA, an Arabidopsis leucine-rich repeat receptor kinase, controls
      floral organ abscission
AU    Jinn T.-L.; Stone J.M.; Walker J.C.
CS    J.C. Walker, Division of Biological Sciences, University of Missouri,
      Columbia, MO 652114, United States.
      E-mail: WalkerJ@missouri.edu
SO    Genes and Development, (01 JAN 2000), 14/1 (108-117), 56 reference(s)
      CODEN: GEDEEP  ISSN: 0890-9369
DT    Journal; Article
CY    United States
LA    English
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SL English
AB Abcission, the natural shedding of leaves, flowers and fruits, is a fundamental component of plant development. Abscission is a highly regulated process that occurs at distinct zones of cells that undergo enlargement and subsequent separation. Although some components of abscission, including accumulation of the hormone ethylene and cell wall-degrading enzymes, have been described, the regulatory pathways remain largely unknown. In this paper we described a critical component required for floral organ abscission in Arabidopsis thaliana, the receptor-like protein kinase HAESA. Histochemical analysis of transgenic plants harboring a HAESA promoter:: β-glucuronidase reporter gene and in situ RNA hybridization experiments show HAESA expression in the abscission zones where the sepals, petals, and stamens attach to the receptacle, at the base of pedicels, and at the base of petioles where leaves attach to the stem Immunodetection, immunoprecipitation, and protein kinase activity assays reveal HAESA is a plasma membrane serine/threonine protein kinase. The reduction of function of HAESA in transgenic plants harboring an antisense construct results in delayed abscission of floral organs, and the severity of the phenotype is directly correlated with the level of HAESA protein. These results demonstrate that HAESA functions in developmentally regulated floral organ abscission.
CT *protein kinase; *plant growth; ethylene; phytohormone; beta glucuronidase; Arabidopsis; reporter gene; transgenic plant; protein expression; enzyme activity; phenotype; nonhuman; controlled study; article; nucleotide sequence; priority journal
RN (protein kinase) 9026-43-1; (ethylene) 74-85-1; (beta glucuronidase) 9001-45-0
GEN GENBANK M84660 referred number

DISPLAY BIB
AN 1999:30000323 BIOTECHNO
TI Identification of dipeptide repeats and a cell wall sorting signal in the fimbriae-associated adhesin, Fap1, of Streptococcus parasanguis
AU Wu H.; Fives-Taylor P.M.
CS P.M. Fives-Taylor, Dept. Microbiol. Molecular Genetics, College of Medicine, University of Vermont, Burlington, VT 05405, United States. E-mail: pfivesta@zoo.uvm.edu
SO Molecular Microbiology, (1999), 34/5 (1070-1081), 40 reference(s) CODEN: MOMIEE ISSN: 0950-382X
DT Journal; Article
CY United Kingdom
LA English
SL English

DISPLAY IND
AN 1999:30051513 BIOTECHNO
CT *streptomycin; *sulfonamide; *trimethoprim; *ampicillin; *chloramphenicol; *tetracycline; *integron; *Escherichia coli; intestine flora; swine; polymerase chain reaction; gene cassette; DNA sequence; antibiotic resistance; nucleotide sequence; conjugation; Salmonella typhimurium; nonhuman; article; priority journal
RN (streptomycin) 57-92-1; (trimethoprim) 738-70-5; (ampicillin) 69-52-3, 69-53-4, 7177-48-2, 74083-13-9, 94586-58-0; (chloramphenicol) 134-90-7, 2787-09-9, 56-75-7; (tetracycline) 23843-90-5, 60-54-8, 64-75-5
GEN EMBL AJ238349 referred number; EMBL AJ238350 referred number

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