

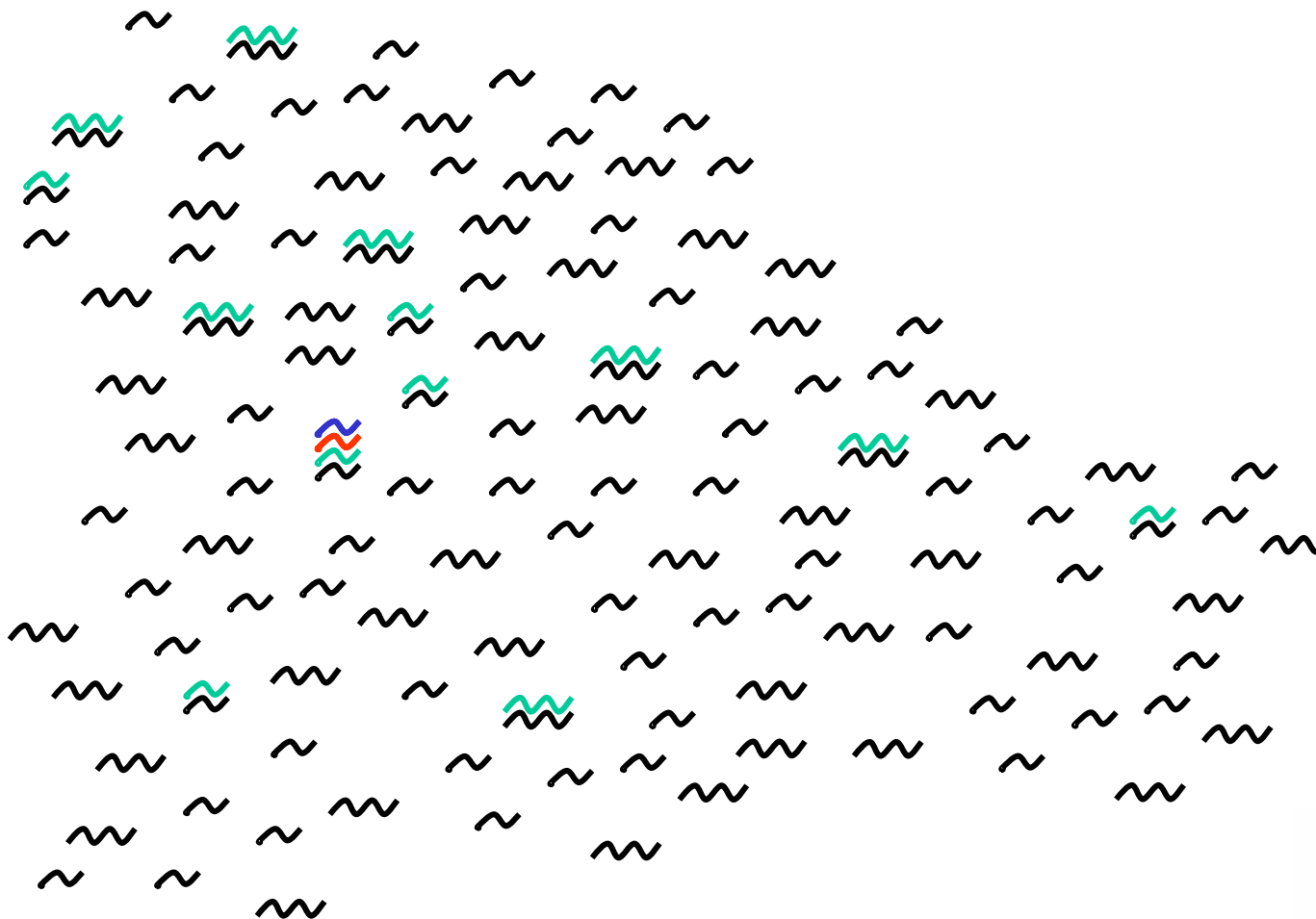
The EMBL Nucleotide Sequence Database:

Database:

Exploiting commonalities between records

Funded by:





Funded by:



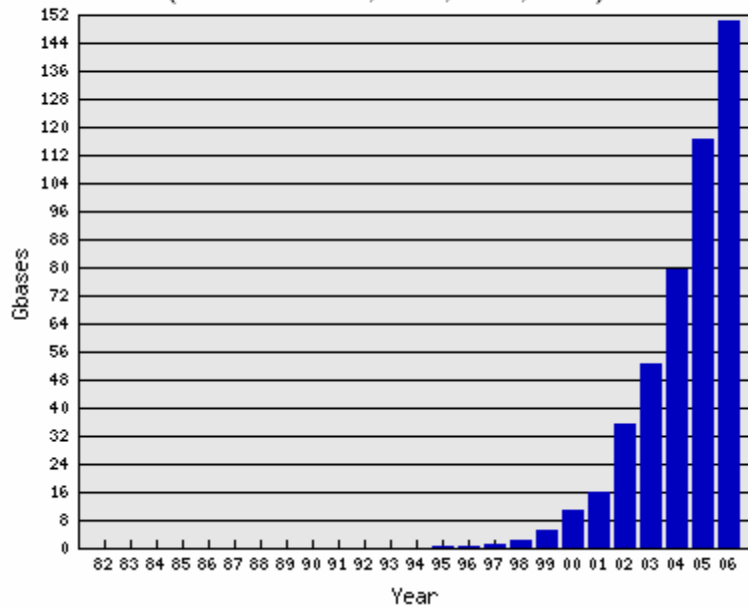
INSDC aims to gather and make freely available nucleotide sequence and annotation with comprehensive global coverage.

Ownership, and hence editorial control, of biological content of entries remains with the original submitting group.

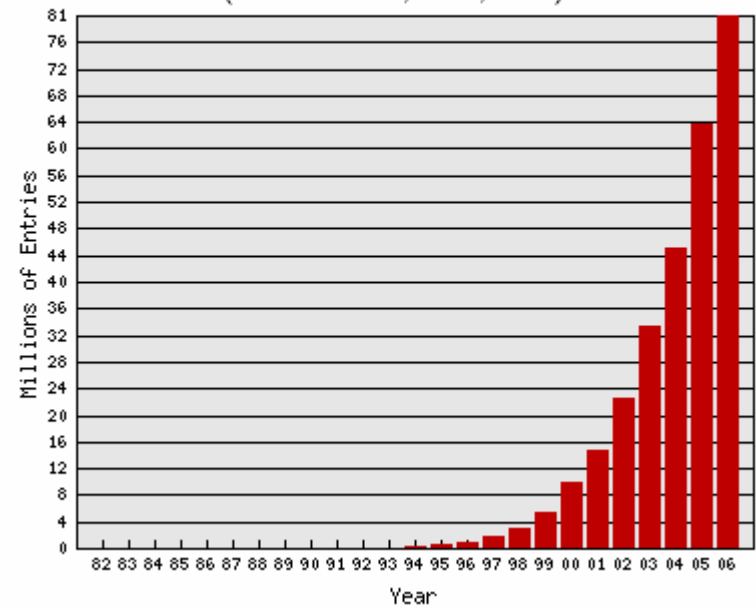
Funded by:



Total nucleotides
(current 150,089,192,205)



Number of entries
(current 80,975,574)



```

ID HSAO11805 standard; genomic DNA; HUM; 1366 BP.
XX
AC AJ011805;
XX
SV AJ011805.1
XX
DT 04-MAY-1999 (Rel. 59, Created)
DT 26-APR-2001 (Rel. 67, Last updated, Version 2)
XX
DE Homo sapiens OZF gene exon 4
XX
RN [1]
RP 1-1366
RA Goubin G.J.;
RT ;
RL Submitted (02-OCT-1998) to the EMBL/GenBank/DBJ databases.
RL Goubin G.J., Experimental Oncogenesis - UMR147 CNRS, Institut Curie, 26,
RL rue d'Ulm, 75005 PARIS, FRANCE

```

Identifier and description

```

RN [1]
RP 1-1366
RA Goubin G.J.;
RT ;
RL Submitted (02-OCT-1998) to the EMBL/GenBank/DBJ databases.
RL Goubin G.J., Experimental Oncogenesis - UMR147 CNRS, Institut Curie, 26,
RL rue d'Ulm, 75005 PARIS, FRANCE

```

Submission reference

```

RN [3]
RX PUBMED; 11306801.
RA Pibouin L., Villaudy J., Prosp
RT "Genomic organization and promoter
RT encoding a protein consisting solely of zinc finger domains";
RL

```

Bibliographic reference

Key	Location/Qualifiers
source	1..1366
	/chromosome="19"
	/db_xref="taxon:9606"
	/mol_type="genomic DNA"
	/organism="Homo sapiens"
	/map="q13.1"
	/clone_lib="lambda charon 40 chr.19"
exon	414..485
	/number=4
	/gene="OZF"

Source molecule

```

FT exon 414..485
FT /number=4
FT /gene="OZF"

```

Feature annotation

```

SQ Sequence 1366 BP; 315 A; 317 C; 270 G; 460 T; 4 other;
gaattcatcc acgaataagg gctgtagtta aaatcctctc aggaccctga gtgggagtgt 60
gggtcttagag aaaaacacaga atcactcaca caaggtgtga acagctctcc tgtgtaagta 120
aaattctgaa aggtaattct ccctttctcc cattttctgga tgtgtgtgga ctttaaattg 180
ttaaattgagc atggctttgga agtttaggat tctaattggcc ctagtccctt tgcccacatg 240
attgtgtgtg ctttagtcaac taagacadaa atcattactc ttattctgtg catctttgga 300
agttgcaccc tcattctcca gaag :agcctg agttctagga 360
tggtactttg gaccagcat taac :tcccaa tagttaatat 420
ggccaca gtttttcagt cagcattgag tccctggaag 540
aggtgtg agacatatag agtattgctt ggtatgagat 600

```

Sequence

```

FT source 1..1366
FT /chromosome="19"
FT /db_xref="taxon:9606"
FT /mol_type="genomic DNA"

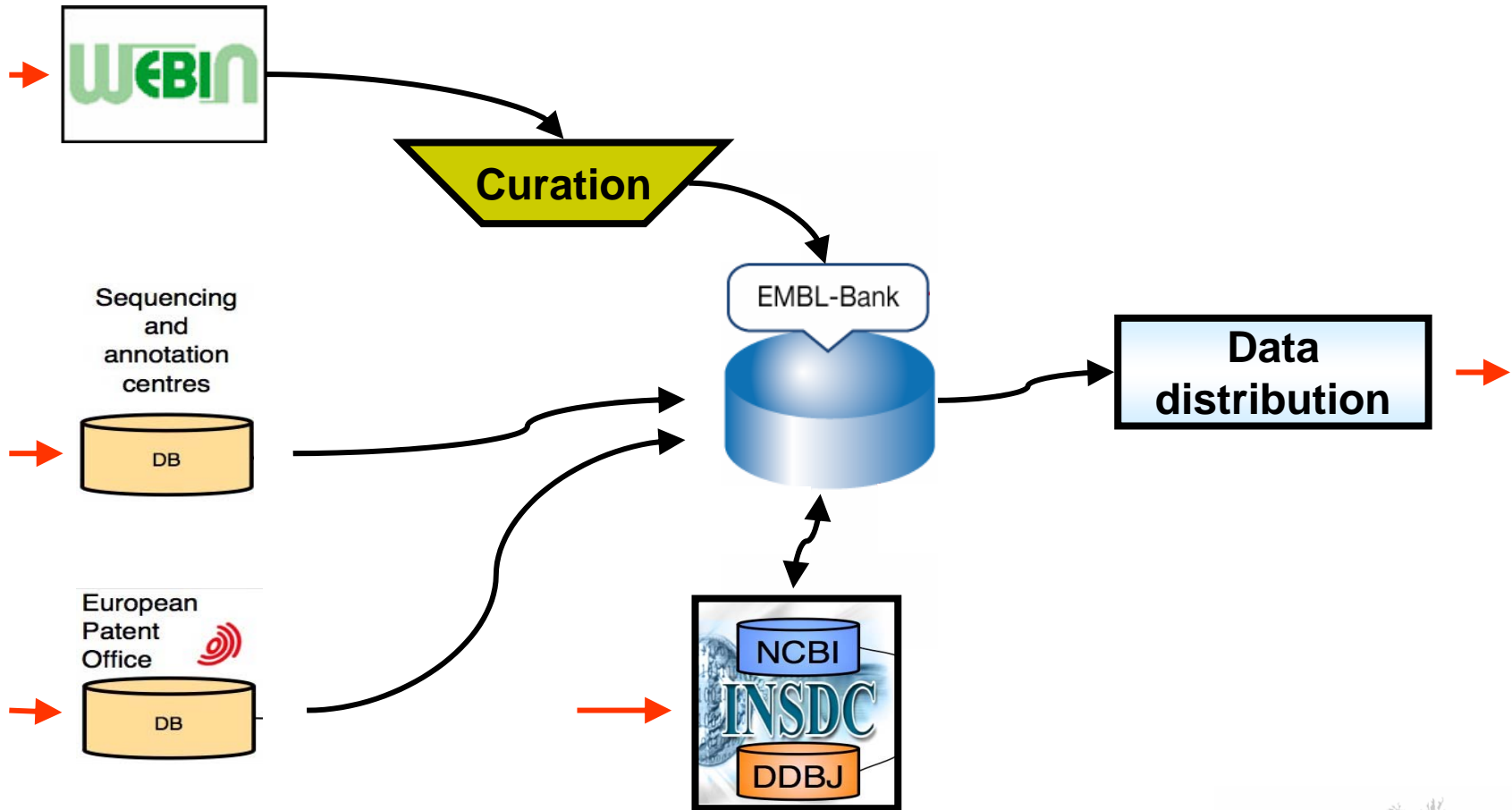
```

Cross-reference

```

ID HSAO11805 standard; genomic DNA; HUM; 1366 BP.
XX
AC AJ011805;
XX
SV AJ011805.1
XX
DT 04-MAY-1999 (Rel. 59, Created)
DT 26-APR-2001 (Rel. 67, Last updated, Version 2)
XX
DE Homo sapiens OZF gene exon 4
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RN [1]
RP 1-1366
RA Goubin G.J.;
RT ;
RL Submitted (02-OCT-1998) to the EMBL/GenBank/DBJ databases.
RL Goubin G.J., Experimental Oncogenesis - UMR147 CNRS, Institut Curie, 26,
RL rue d'Ulm, 75005 PARIS, FRANCE.
XX
RN [3]
RX PUBMED; 11306801.
RA Pibouin L., Villaudy J., Prosp
RT "Genomic organization and promoter
RT encoding a protein consisting solely of zinc finger domains";
RL

```

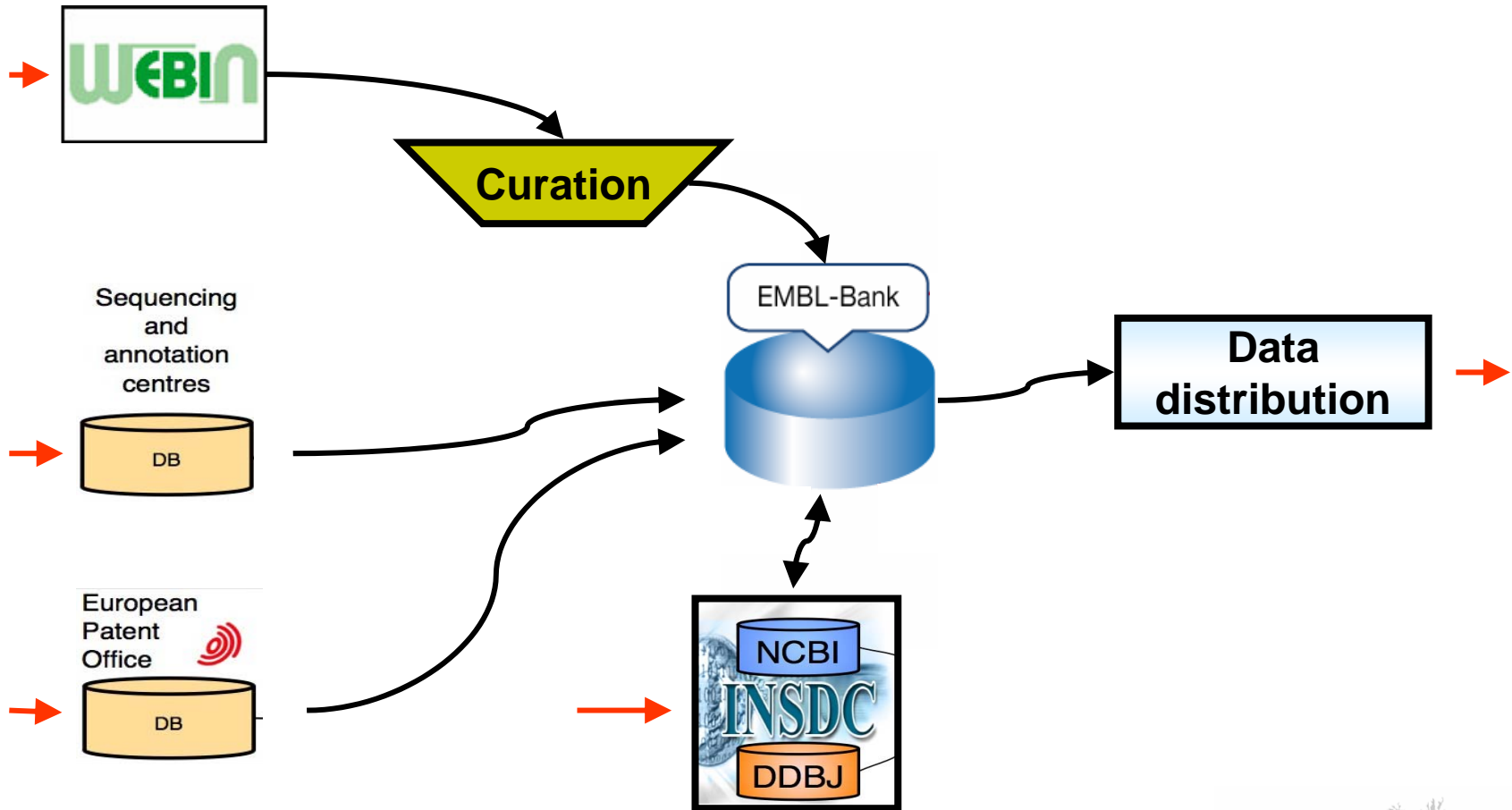


- 49,323,034 entry-level cross-references
- 12,787,002 feature-level cross-references
- further cross-references
- feature-level cross-references



- **WWW**
 - Sequence Retrieval System (SRS), srs.ebi.ac.uk
 - Simple sequence retrieval (Dbfetch), www.ebi.ac.uk/cgi-bin/emblfetch
 - Flatfile, INSDseq XML, EMBL XML, fasta, etc.
 - Whole genomes, www.ebi.ac.uk/genomes/
 - Sequence Version Archive, [www.ebi.ac.uk/cgi bin/sva/sva.pl](http://www.ebi.ac.uk/cgi-bin/sva/sva.pl)
- **EBI sequence similarity search services**
 - eg. <http://www.ebi.ac.uk/Tools/homology.html>
- **FTP site**
 - [ftp.ebi.ac.uk/pub/databases/embl/](ftp://ftp.ebi.ac.uk/pub/databases/embl/)
- **E-mail file server, netserv@ebi.ac.uk**
- **Specialist data sets at users' request (eg. EMBL CDS)**





- ensuring compliance with annotation policies to maximise data consistency
- recommendation of appropriate nomenclatures
- maximising information content
- simplifying and accelerating submission procedure for submitters



- Submission of small numbers of entries
 - submitter moves through Web forms to submit each entry in turn, with some facility to copy from previous entries

SUBMITTER INFORMATION
Info

This information will be used as the first citation for all your sequences

Please do not use national characters like ð, å, ß or ö!

First name:
 Middle initials:
 Family name:

Institution:

Department:

Postal address:

State, postal/zip/area code:

Country:

Viet Nam
Virgin Islands
Wake Island
Wallis and Futuna
West Bank
Western Sahara
Yemen
Yugoslavia
Zambia
Zimbabwe

Telephone:

e-mail address:

Double check your e-mail address! Incorrect e-mail address information may delay release of accession numbers.

Third Party Annotation(TPA)
Info

For mixed TPA and primary submissions please use [EMBL's TPA submission form](#)

Is this a TPA submission: Yes No

TPA SEQUENCE SOURCES
Info

Sources for each sequence in the TPA:

You must read the [guidelines](#) before completing this form

TPA SPAN	PRIMARY IDENTIFIER	PRIMARY SPAN	COMP
1-426	AC004629.1	18665-19090	
426-1021	AC004629.1	21356-21951	x
1019-2052	AC004630.1	22747-23780	

fragment	tpa span		primary span					
	from	to	primary identifier	from	to	comp	delete	insert
1	1	426	AC004629.1	18665	19090	<input type="checkbox"/>	<input type="checkbox"/>	<input type="button" value="Insert"/>
2	426	1021	AC004629.1	21356	21951	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="button" value="Insert"/>
3	1019	2052	AC004630.1	22747	23780	<input type="checkbox"/>	<input type="checkbox"/>	<input type="button" value="Insert"/>


NOTES

Notes please include any further explanations here.



- Submission of large numbers of entries with similar annotation
 - submission of representative sample entry
 - preparation of web form to recruit variable field data
 - upload of a file containing variable field information in a systematic format

Info
Sequences 1-10/60


Bulk Submission

WEBIN ID: 193.62.197.67:Hx1161441420

You can submit your bulk data in an easier way (megabulk submission) ...

Help?

Browse...
Upload Data

Sequence #1
301 bp

isolate identifier:

isolation location:

16S rRNA locations: 5' partial from to 3' partial
 spans whole sequence length

Cut & paste:

```

ATGGCTAGTCGACTGACTGACTGACTACGACGACAGCATAGGACTGACTAG
CTACGATCAGCTACGATCGACTACGACTGCATCGATGCTGACTGAC
TGACTGACTACGACGACAGCTAGGACTGACTAGCATCGATCGACTACGA
TCGACTACGACTGCATCGATGCTAGTCGACTGACTGACTACGACGA
CAGCATAGGACTGACTAGCTACGATCAGCTACGATCGACTACGACTGCAT
CGCAGTACGTACGTACGTACGATCGGACTGACTGACTGACTACGACGAC

```

or upload a local sequence file (on a disk drive on your computer):

Sequence #2
92 bp

isolate identifier:

isolation location:

16S rRNA locations: 5' partial from to 3' partial
 spans whole sequence length

Cut & paste:

```

CTAGTCGACTGACTGACTGACTACGACGACAGCATAGGACTGACTAGCTA
CGATCAGCTACGATCGACTACGACTGCATCGATGCTAGTCGA

```

or upload a local sequence file (on a disk drive on your computer):

Sequence #3
80 bp



> a1_001 ; 28 ; 502 ; Beijing

atgctgatgcatgactcacgactagcactgactgacacgtaggacgacgacgactgacgatcgactgaca
ctgactgacatcgacgtacgacgatgcatcgatgcatcgatagacacatcacacagcagctttatactac
acgtacgatgactgacgacgatcgatcggggactactacgactgactacagct

> a1_002 ; 12 ; 42 ; London

atgctgatgcatgactcacgactagcactgactgacacgtaggacgacgacgactgacgatcgactgac
actgactgacatcgacgtacgacgatgcatcgatgcatcgatagacacatcactttnnntttatactac
acgtacgatgactgacgacgatcgatcggggactactacgactgactacagct

> a1_003 ; 51 ; 91 ; Paris

atgctgatgcatgactcacgactagcactgactgacacgtaggacgacgacgactgacgatcgactgac
actgactgacatcgacgtacgacgatgcatcgatgcatcgatagacacatcacttttacgatatactac
acgtacgatgactgacgacgatcgatcggggactactacgactgactacagct

> a2_001 ; 80 ; 115 ; Tokyo

atgctgatgcatgactcacgactagcactgactgacacgtaggacgacgacgactgacgatcgactgac
actgactgacatcgacgtacgacgatgcatcgatgcatcgatagacacatcactttttttttatactac
acgtacgatgactgacgacgatcgatcggggactactacgactgactacagct

> b6_231 ; 92 ; 643 ; Shanghai

tactgactgacatcgacgtacgacgatgcatcgatgcatcgatagacacatcactttttttttatacta
atgtactgactgacatcgacgtacgacgatgcatcgatgcatcgatagacacatca



Nucleic Acids Research, 2006, Vol. 34, Database issue

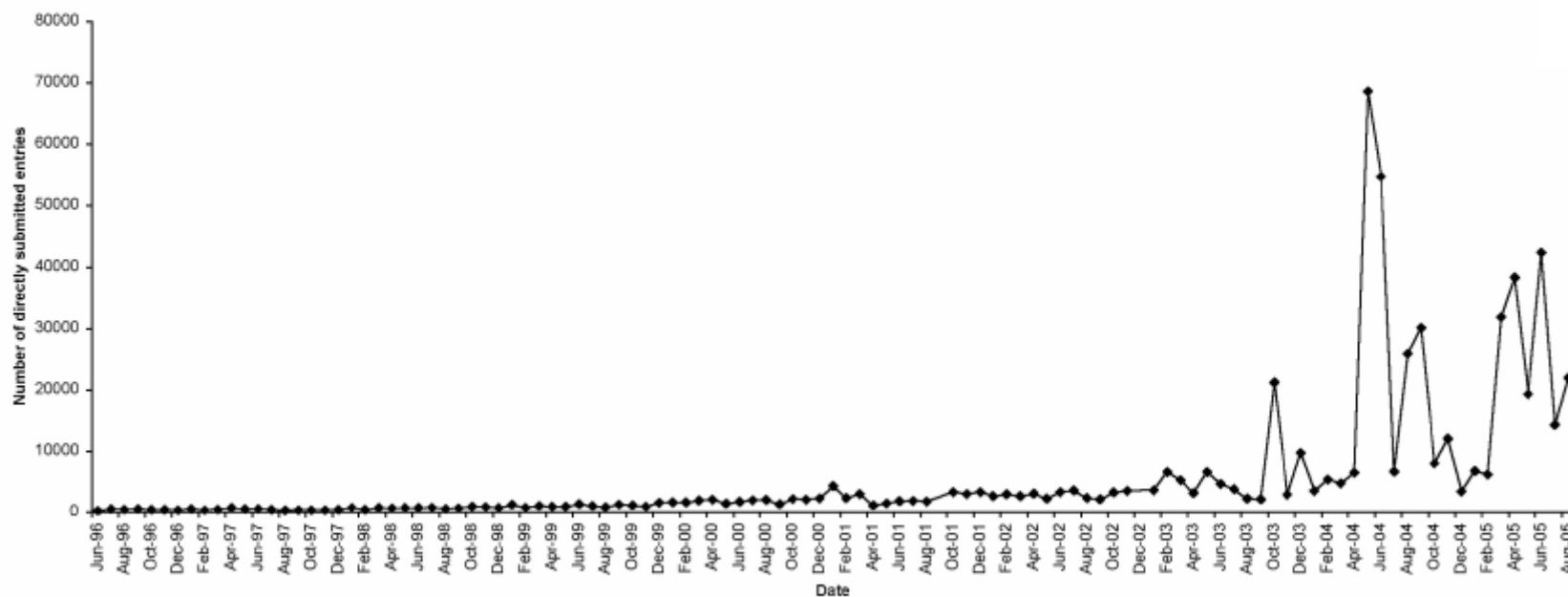
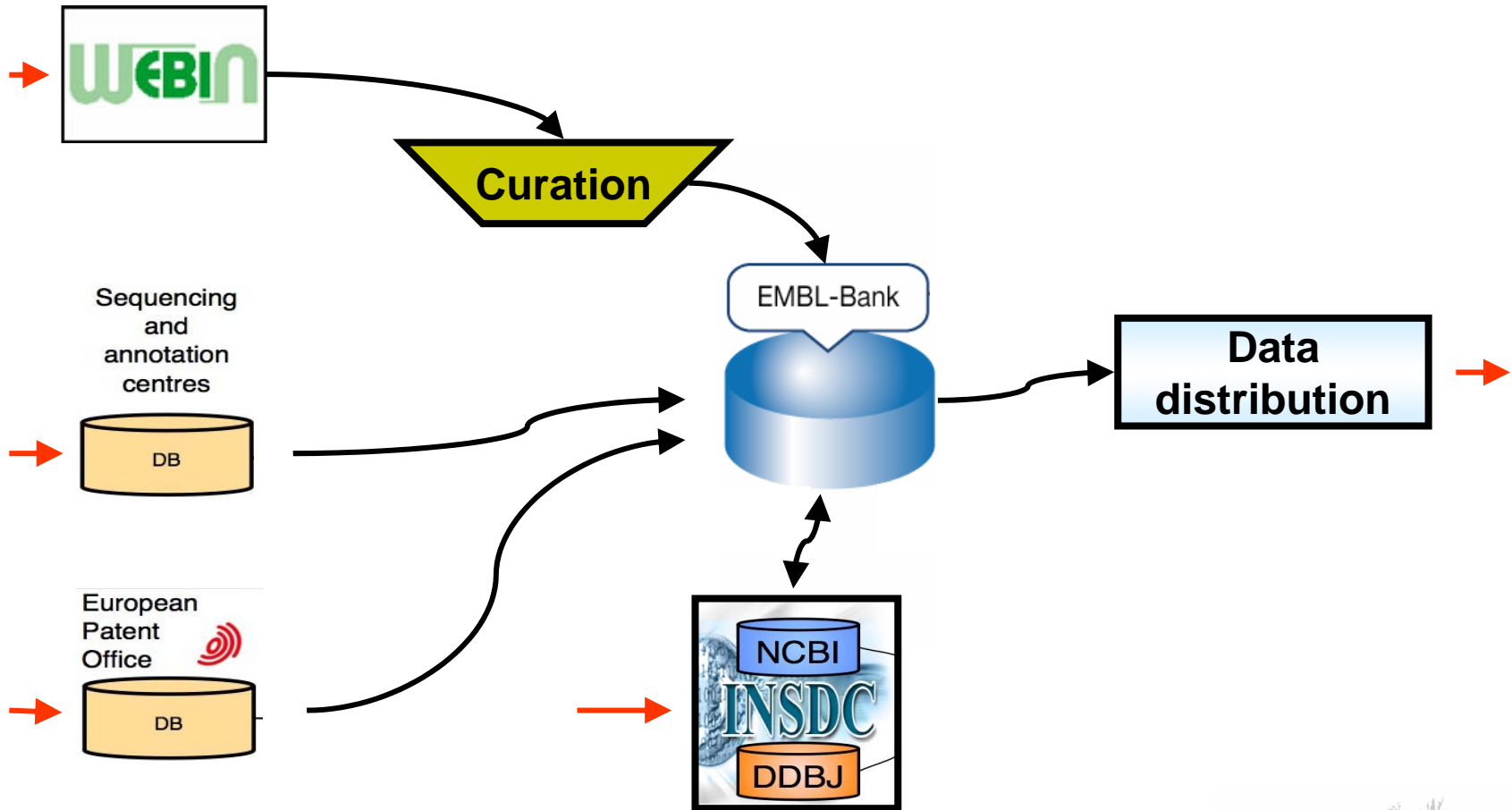


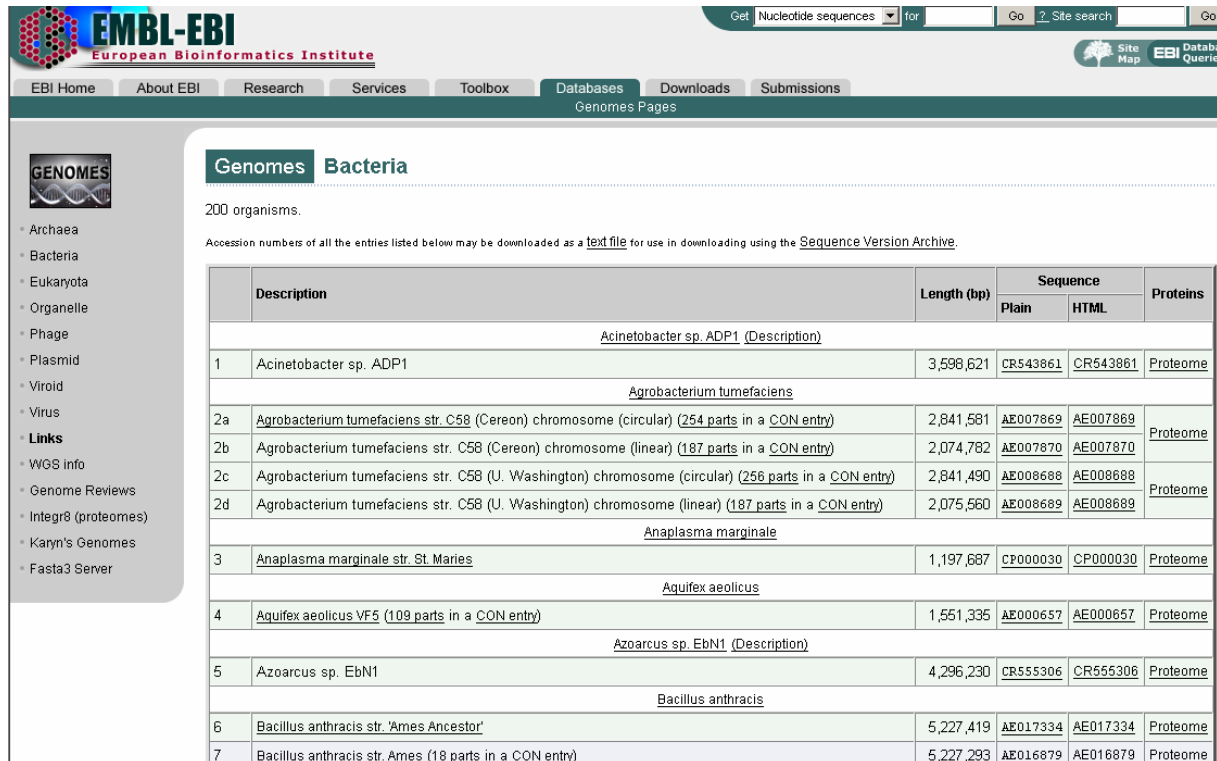
Figure 1. Increase in scale of direct submissions. Monthly newly submitted entry counts are shown.

Funded by:





- Completely sequenced genomes and annotation
- 373 bacterial, 1212 viral, 50 eukaryotic, etc.

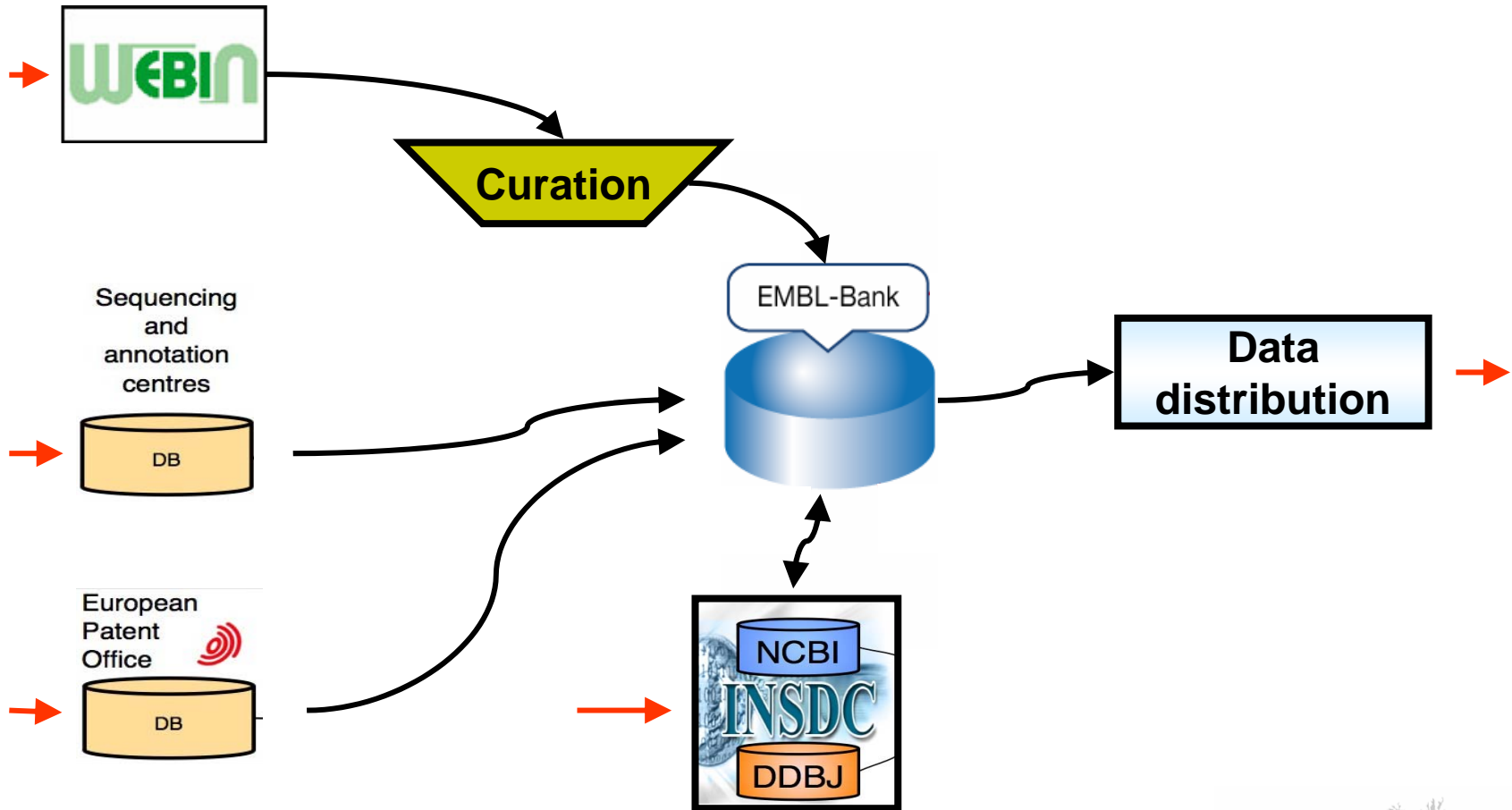


The screenshot shows the EMBL-EBI website interface for the Genomes Bacteria section. It includes a search bar at the top, navigation tabs for EBI Home, About EBI, Research, Services, Toolbox, Databases, Downloads, and Submissions. A sidebar on the left lists various genome categories like Archaea, Bacteria, Eukaryota, etc. The main content area displays a list of 200 organisms, with a table showing details for several entries.

Accession	Description	Length (bp)	Sequence		Proteins
			Plain	HTML	
<u>Acinetobacter sp. ADP1 (Description)</u>					
1	Acinetobacter sp. ADP1	3,598,621	CR543861	CR543861	Proteome
<u>Agrobacterium tumefaciens</u>					
2a	Agrobacterium tumefaciens str. C58 (Cereon) chromosome (circular) (254 parts in a CON entry)	2,841,581	AE007869	AE007869	Proteome
2b	Agrobacterium tumefaciens str. C58 (Cereon) chromosome (linear) (187 parts in a CON entry)	2,074,782	AE007870	AE007870	
2c	Agrobacterium tumefaciens str. C58 (U. Washington) chromosome (circular) (256 parts in a CON entry)	2,841,490	AE008688	AE008688	
2d	Agrobacterium tumefaciens str. C58 (U. Washington) chromosome (linear) (187 parts in a CON entry)	2,075,560	AE008689	AE008689	
<u>Anaplasma marginale</u>					
3	Anaplasma marginale str. St. Maries	1,197,687	CP000030	CP000030	Proteome
<u>Aquifex aeolicus</u>					
4	Aquifex aeolicus VF5 (109 parts in a CON entry)	1,551,335	AE000657	AE000657	Proteome
<u>Azoarcus sp. EbN1 (Description)</u>					
5	Azoarcus sp. EbN1	4,296,230	CR555306	CR555306	Proteome
<u>Bacillus anthracis</u>					
6	Bacillus anthracis str. 'Ames Ancestor'	5,227,419	AE017334	AE017334	Proteome
7	Bacillus anthracis str. Ames (18 parts in a CON entry)	5,227,293	AE016879	AE016879	Proteome

- INSDC Project identifier to tie diverse entries into project
- Project metadata database





[General](#) [Description](#) [Features](#) [Sequence](#)

General Information

Entry Name	EMBLCDS:CAH72442
Parent Accession	AL353685.23
Molecule Type	linear genomic DNA
Sequence Length	372
Entry Division	HUM (<i>Human</i>)
Entry Data Class	STD (<i>Standard</i>)
Internal Sequence Version	CAH72442.1

Description

Description	Homo sapiens (human) ATP-binding cassette, sub-family A (ABC1), member 1
Organism	Homo sapiens (human)
Organism Classification	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Haplorrhini; Catarrhini; Hominidae; Homo.
NCBI TaxID	NCBI_TaxID= 9606 ;

Related entries

Related by	Gene Name	17	About
	Exon	4	About
	Sequence Identity	1	About

Features

Key	Location	Qualifier	Value
source	1..372	organism	Homo sapiens
		chromosome	9
		mol_type	genomic DNA
		clone_lib	RPCI-11.1
		clone	RP11-31J20



cds join(complement(AL353685.23:101137..101258),
complement(AL353685.23:99749..99867),
complement(AL353685.23:78380..78510))

gene	ABCA1
locus_tag	RP11-413C10.7-004
standard_name	OTTHUMP00000021835
product	ATP-binding cassette, sub-family A (ABC1), member 1
db_xref	GOA:Q5VYS1
db_xref	UniProtKB/TrEMBL:Q5VYS1
protein_id	CAH72442.1

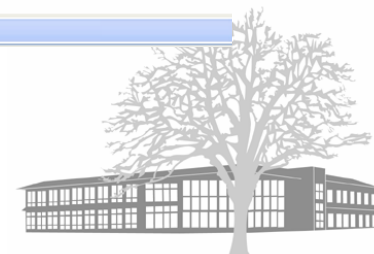
translation >CAH72442.1
MPSAGTLPWVQGIICNAMNPCFRYPTPGEAPGVVGMFNKSIVA
SMKDMRKVLRRTLQIKKSSSNLKLQDFLVDNETFSGFLYHNLS
KVS

Sequence

Characteristics Length: 372 BP, A Count:96, C Count:83, G Count:96, T Count:97, Others Count:0 CRC:1405876788

Sequence >CAH72442
atggatttgtaaagtttccaacaactccgggagcctcccaggagtgggtaacggaaa
caggggttggtggcattacagataaatcccctgaacccaaggaagtgtcctgcagagggc
atggagctggatttcttgatctgctgtaatggtctcagaactttgcgcatgtccttcat
gctggtgtctttctggctgtataaaagaagcctccgagcatctgagaacaggcagccac
atcagcttaccttgtggagaatgacatcagccctcagcatcttgtccacagttagactttg
ggagagagaggttgatgacaggaacccagagaaggttcatgtccaccaggaaatctt
gaagcttcaagt

[General](#) [Description](#) [Features](#) [Sequence](#)



- EMBL data submissions and curation
 - Karyn Duggan, Sheila Plaister, Bob Vaughan, Gaurab Mukherjee, Sumit Bhattacharyya, Ruth Akhtar, Kirsty Bates, Nadeem Faruque, Nicola Althorpe, Paul Browne, Philippe Aldebert, Ruth Eberhardt, Guy Cochrane
- EMBL database programmers
 - Carola Kanz, Dan Wu, Charles Lee, Dariusz Lorenc, Francesco Nardone, Rasko Leinonen, Alastair Baldwin, Quan Lin, Lawrence Bower, Siamak Sobhany, Matias Castro, Weimin Zhu
- Genome Reviews
 - Peter Sterk, Paul Kersey
- Database development and coordination
 - Tamara Kulikova, Guy Cochrane, Carola Kanz, Weimin Zhu, Rolf Apweiler
- External services team
- DDBJ and GenBank
- Cross-referring databases
- Submitters

