



WIPO Sequence桌面工具

网络研讨会培训

今天涉及的内容有哪些

- 该工具的目的
- 界面内的主视图：项目主页、项目详细信息
- 它所支持的主要功能：
 - 创建项目和序列
 - 导入序列列表数据-支持多种格式
 - 验证序列列表数据-验证报告
 - 添加项目数据-特征键和限定符
 - 生成符合ST.26的序列列表
- 语言支持、调整首选项

今天不会涉及的内容

- 产权组织ST.26简介中所涉内容
- 如果您尚未完成该单元，请参考以下网址的产权组织标准ST.26：

<https://www.wipo.int/export/sites/www/standards/en/pdf/03-26-01.pdf>

桌面工具的目的

- 自2022年1月1日起，在国际、国家或地区层面提交的所有序列列表都必须符合产权组织标准ST.26。
- 由产权组织制作的通用桌面工具，用于撰写和验证符合产权组织ST.26的序列列表
- 由产权组织制作的这一工具旨在确保世界各地的所有申请人都能使用同一免费工具

WIPO Sequence : 安装

- WIPO Sequence桌面工具可用于MS Windows、Mac OSX和Linux操作系统
- 自动更新功能将提示用户有可用的新版本
- 所有安装包和用户支持文件均可从WIPO Sequence主页上下载，网址是：

<https://www.wipo.int/standards/en/sequence>

WIPO Sequence : 重要提示

- 所有生成的序列列表和输入WIPO Sequence的项目数据都存储在**本地**（即存在用户的计算机上）
- 可以在**离线**状态下创建项目并生成序列列表，但自动更新功能需要连接到互联网
- WIPO Sequence向所有申请人分发，供其免费使用，**不**提供源代码。

项目主页



WIPO | Sequence

PROJECTS

PERSONS & ORGANIZATIONS

ORGANISMS

HELP



PREFERENCES

ENGLISH



[NEW PROJECT](#)

[IMPORT PROJECT](#)

[IMPORT SEQUENCE LISTING](#)


[VALIDATE SEQUENCE LISTING](#)

PROJECTS



Project name ◦	Applicant file reference	Applicant name	Invention title	Status	Creation Date 🇨🇦
Test ST.26 Import				new	2019-04-03
SampleValidProject	14283.6000-00000	BIOMX LTD.	BACTERIOPHAGE FOR MODULATING INFLAMMATORY BOWEL DISEASE	generated	2019-04-04


项目详细信息

 **DEMONSTRATION PROJECT** VERIFICATION REPORT FREE TEXT QUALIFIERS IMPORT REPORT DISPLAY THE SEQUENCE LISTING PREFERENCES ENGLISH [Back To List](#)

GENERAL INFORMATION SEQUENCES

DEMONSTRATION PROJECT

[Print](#) [Export](#) [Import Another Project](#) [Validate](#) [Generate Sequence Listing](#)

Project Name Demonstration Project	Creation date 2019-01-30	
File Name Sequence-list-import	Sequences 6	
Description This is a description for the project.	Status generated	

► **GENERAL INFORMATION**

► **SEQUENCES**

主要功能（1）

- 编写项目
 - 常规信息
 - 序列
 - 验证项目
 - 生成ST.26序列列表
 - 打印序列列表
 - 验证ST.26序列列表
- 自定义列表：
 - 自定义生物体
 - 人员/组织

主要功能（2）

■ 导入：

- 已有的序列表：ST.25/ST.26

- 常见格式：FASTA/raw/multi-sequence

- 已有的ST.26项目

■ 工具功能：

- 首选项

- 多语言支持

- 自动更新


- 该工具的全面功能介绍见WIPO Sequence桌面工具手册，网址为：

https://www.wipo.int/export/sites/www/standards/en/sequence/wipo_sequence_manual_1_0_0.pdf

创建项目 (演示)

The screenshot shows the 'PROJECTS' section of the WIPO Sequence application. The top navigation bar includes 'WIPO | Sequence', 'PROJECTS', 'PERSONS & ORGANIZATIONS', 'ORGANISMS', 'PREFERENCES', and 'ENGLISH'. Below the navigation bar, there are links for 'NEW PROJECT', 'IMPORT PROJECT', 'IMPORT SEQUENCE LISTING', and 'VALIDATE SEQUENCE LISTING'. The main heading is 'PROJECTS'. A search bar is present with the placeholder text 'Search project by name' and a search icon. A message box states: 'Currently you do not have any projects in your list. In the 'Projects' area you can create a new project or import an existing project.'

添加项目详细信息：常规信息

 WIPO | Sequence

[INSECTICIDAL PROTEINS](#)
[VERIFICATION REPORT](#)
[FREE TEXT QUALIFIERS](#)
[IMPORT REPORT](#)
[DISPLAY THE SEQUENCE LISTING](#)
[HELP](#)
▼
[PREFERENCES](#)
[ENGLISH ▼](#)
Return to project home

<p>Project Name Insecticidal Proteins</p> <p>Status modified</p> <p>Description Insecticidal proteins and methods for their use</p> <p>Source language code for free text qualifiers en</p> <p>Original free text language code en</p>	<p>Creation date 2021-04-07</p> <p>File Name Insecticidal Proteins SL</p> <p>Sequences 0</p> <p>Non English free text language code fr</p>	✎
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GENERAL INFORMATION

APPLICATION IDENTIFICATION

IP Office	▼
<p>Application Identification*</p> <ul style="list-style-type: none"> <input checked="" type="radio"/> Before the assignment of the application number <input type="radio"/> After the assignment of the application number 	<p style="color: red;">Applicant file reference*</p> <p>Application File Reference is a mandatory field when 'Before the assignment of the application number' is provided.</p>

添加项目详细信息：新序列

- 在项目详细信息视图中，可以创建序列，也可以将序列导入项目

The screenshot displays the WIPO Sequence management interface. The top navigation bar includes the WIPO logo and several menu items: INSECTICIDAL PROTEINS, VERIFICATION REPORT, FREE TEXT QUALIFIERS, IMPORT REPORT, DISPLAY THE SEQUENCE LISTING, HELP, PREFERENCES, and ENGLISH. A 'Return to project home' button is located in the top right corner. Below the navigation bar, the 'GENERAL INFORMATION' and 'SEQUENCES' tabs are visible. The 'SEQUENCES' section is active, showing a heading 'SEQUENCES' and a row of five buttons: 'Create new sequence', 'Import sequence', 'Insert Sequence', 'Reorder Sequence', and 'Bulk Edit'. The 'Create new sequence' and 'Import sequence' buttons are highlighted with a red border. Below the buttons is a table with the following columns: Sequence ID Number, Sequence Name, Length, Molecule Type, and Organism.

Sequence ID Number	Sequence Name	Length	Molecule Type	Organism
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创建序列

SEQUENCES

Create new sequence Import sequence Insert Sequence Reorder Sequence

Sequence ID Number	Sequence Name	Length	INSDSeqMoltype	Organism						
1	WIPO Sequence	INSECTICIDAL PROTEINS	VERIFICATION REPORT	FREE TEXT QUALIFIERS	IMPORT REPORT	DISPLAY THE SEQUENCE LISTING	HELP	PREFERENCES	ENGLISH	Return to project home

Navigation: 1 2

Sequence Name*
Name/description for sequence

Molecule Type*
DNA

Residues*
agagagagagagagagagatttaaaatttagagaatattagagagatatataggaagtatataggatatgagagtatagaggatatagggatata

Organism name
unidentified

Qualifier Molecule Type
genomic DNA

Mark as an intentionally skipped sequence
 The sequence contains both DNA & RNA fragments

Cancel Create sequence Create & Display Sequence

跳过的序列

- 和ST.25中一样，跳过的序列用编号“000”来表示
- 跳过的序列通过勾选下面的方框来表示：

SEQUENCE 2	
Sequence Name* EP130135_N2067-7148W0 - SL_seq_2	Sequence Number (ID) 2
Molecule Type* AA	Length 45
Organism name synthetic construct	Qualifier Molecule Type protein
<input checked="" type="checkbox"/> Mark as an intentionally skipped sequence	
<input type="button" value="Cancel"/> <input type="button" value="Update sequence"/>	

重排序列 (演示)

WIPO | Sequence
 INSECTICIDAL PROTEINS
VERIFICATION REPORT
FREE TEXT QUALIFIERS
IMPORT REPORT
DISPLAY THE SEQUENCE LISTING
HELP
PREFERENCES
ENGLISH
Return to project home

GENERAL INFORMATION SEQUENCES

SEQUENCES

Create new sequence
Import sequence
Insert Sequence
Reorder Sequence
Bulk Edit

Sequence ID Number	Sequence Name	Length	Molecule Type	Organism
1	Error four testing_seq_1	1004	DNA	unidentified
2	Error four testing_seq_2	191	AA	unidentified
3	Error four testing_seq_3	1004	DNA	synthetic construct
4	Error four testing_seq_4	191	AA	synthetic construct
5	Error four testing_seq_5	795	DNA	synthetic construct
6	Error four testing_seq_6	264	AA	synthetic construct

导入已有的序列表

The screenshot displays the WIPO Sequence database interface. At the top, navigation tabs include 'PROJECTS', 'PERSONS & ORGANIZATIONS', and 'ORGANISMS'. The main area features a header with 'NEW PROJECT', 'IMPORT PROJECT', 'IMPORT SEQUENCE LISTING', and 'VALIDATE SEQUENCE LISTING'. Below this, a form for importing a sequence listing is shown. The file name 'insecticidal proteins.xml' is entered in the top field. A red circle '1' highlights the 'Upload ST.25 [.txt] or ST.26 [.xml] file' button. The 'Project Name' field contains 'Import Sequence Project', with a red circle '3' next to it. Below the form, there are checkboxes for 'Select Range Sequences' and 'Select the general information contents to be imported'. A file explorer window is overlaid on the interface, showing the 'Import Seq Listing' folder. The file 'Insecticidal Proteins.xml' is selected, with a red circle '2' next to it. The file explorer shows a list of files with columns for 'Nombre', 'Fecha de modifica...', and 'Tipo'. At the bottom of the file explorer, the file name 'Insecticidal Proteins.xml' and the file type '*.txt,*.xml' are visible. The 'Abrir' (Open) button is highlighted. In the background, the 'Import Sequence Listing' button is visible, and the 'PROJECTS' section is partially visible on the left.

insecticidal proteins.xml

Upload ST.25 [.txt] or ST.26 [.xml] file

Project Name
Import Sequence Project

Select Range Sequences

Select the general information contents to be imported

Abrir

Nombre	Fecha de modifica...	Tipo
ST26T-1087	02/07/2019 13:54	Carpeta de archiv
9_ST25_9238084_DTD_Based.xml	17/08/2017 18:33	Documento XML
changedata.xml	04/07/2019 10:17	Documento XML
Insecticidal Proteins (1).xml	05/07/2019 12:52	Documento XML
Insecticidal Proteins.xml	25/06/2019 18:50	Documento XML
Invalid_project.xml	02/07/2019 9:49	Documento XML
Noseqs0.xml	08/07/2019 14:44	Documento XML
Opt_Soy_Loci.xml	11/03/2019 15:45	Documento XML
QN_1.xml	02/07/2019 14:37	Documento XML
Results QV 29.xml	11/07/2019 15:00	Documento XML
ST_25_import_complex.txt	05/07/2019 13:42	Documento de te
ST_25_long.txt	04/07/2019 14:24	Documento de te

Nombre: Insecticidal Proteins.xml

.txt,*.xml (*.txt;*.xml)

Abrir Cancelar

Cancel Import Sequence Listing

PROJECTS

Project name : Applicant file referen Creation Date

导入ST.25序列表（1）

- WIPO Sequence也支持导入ST.25格式的序列
- 从文件导入时缺失的ST.26必填字段需要用户手动输入，包括：
 - SOURCE/source：分子类型和生物体
 - 特征的必填限定符，例如：CDS特征
- 根据附件七提供的建议进行实施（建议从ST.25转换到ST.26，不添加新内容）

导入ST.25序列表 (2)

- 在导入时，WIPO Sequence会对导入的数据进行若干更改，然后将其纳入到项目中。
- 这些更改包括：
 - 所有的残基“u”转换为“t”
 - 替换分子类型：(i)用DNA替换 ADN；(ii)用RNA替换 ARN；(iii)用AA替换PRT
 - 用“合成构建体”替换“人工序列”和指定对等物（见UC12第5步）
 - 用“未识别”替换“未知”（指定对等物）
 - 用1字母代码替换氨基酸符号中的3字母代码。

导入FASTA格式

WIPO | Sequence INSECTICIDAL PROTEINS VERIFICATION REPORT FREE TEXT QUALIFIERS IMPORT REPORT DISPLAY THE SEQUENCE LISTING HELP PREFERENCES ENGLISH Return to project home

D:\test data\USPTO Test files\FASTA_multisequence_1.fasta Upload file [.txt, .xml, .FASTA]

Select Range of Sequence IDs * Molecule Type*

This field is mandatory and a value is required. Choose a default sequence molecule type for the selected Sequence ID range.

Check to save this description as a note.

Sequence Number [ID]	
1	>AAN76654.1 Est1 partial
2	>BAC11014.1 deletion isoform of telomerase reverse transcriptase
3	>CAA98800.1 CDC13
4	>AF411028.1 Saccharomyces pastorianus Est1 gene
5	>AB086379.1 Homo sapiens hTERT mRNA deletion isoform of telomerase reverse transcriptase

⏪ ⏩ 1 2 ⏪ ⏩

导入RAW格式

WIPO | Sequence
Return to project home

20
141 error test_seq_48
680
AA
Listeria monocytogenes

⏪ ⏩ 1 2 ⏪ ⏩

D:\test data\raw_test.txt
Upload file [.txt, .xml, .FASTA]

The file selected is in raw format. Please select the sequence molecule type in order to import the sequence.

Sequence Name*	Molecule Type*	▼
Organism name	Qualifier Molecule Type	▼

Cancel
Import sequence

导入 multisequence

WIPO | Sequence
Return to project home

ID	Description	Length	Type	Organism
17	141 error test_seq_44	261	AA	Homo sapiens
18	141 error test_seq_46	29	DNA	Homo sapiens
19	141 error test_seq_47	29	DNA	Homo sapiens
20	141 error test_seq_48	680	AA	Listeria monocytogenes

⏪ ⏴ 1 2 ⏵ ⏩

D:\test data\Multisequence.txt Upload file [.txt, .xml, .FASTA]

Select Range of Sequence IDs

Cancel
Import sequence

导入序列表 (演示)

WIPO | Sequence PROJECTS PERSONS & ORGANIZATIONS ORGANISMS PREFERENCES ENGLISH

NEW PROJECT IMPORT PROJECT IMPORT SEQUENCE LISTING VALIDATE SEQUENCE LISTING

PROJECTS

Search project by name

Project name	Applicant file reference	Applicant name	Invention title	Status	Creation Date
Insecticidal Proteins				new	2019-05-09

导入报告 (1)

- 如果在导入过程中有任何更改，或出现任何错误或警告，将生成一份导入报告
- 该报告中提供的消息重点指出某些需要用户手动输入的序列
- 导入报告提供分类、相关的ST.25标签、给用户的消息和 SEQ ID
- 消息分为以下两类（注释类型）：
 - INDIVIDUAL（单个）：表示与特定导入序列有关的消息
 - GLOBAL（全部）：影响到所有导入的序列

导入报告 (2)

Type of Note	Data Element	Message Text	Detected Sequence
INDIVIDUAL	<222>	No location information has been found for the feature SOURCE of SEQ ID NO 23. The user can add the location information as recommended in Annex VII, ST.26.	23
INDIVIDUAL	<222>	No location information has been found for the feature SOURCE of SEQ ID NO 24. The user can add the location information as recommended in Annex VII, ST.26.	24
INDIVIDUAL	<222>	No location information has been found for the feature SOURCE of SEQ ID NO 25. The user can add the location information as recommended in Annex VII, ST.26.	25
INDIVIDUAL	<222>	No location information has been found for the feature SOURCE of SEQ ID NO 26. The user can add the location	26

数据更改报告（1）

- 在导入ST.25序列表过程中所做任何更改的具体细节
- 与导入报告进行对比，因为用户期待提供这些细节
- SEQ ID列出原始的ST.25标签和目标ST.26标签，还列出已经采用的转换和相关的SEQ ID
- 不过，这种转换不会改变原始内容。例如，在ST.26项目中，将“u”改为“t”后仍是尿嘧啶

数据更改报告 (2)



Change Data

Origin Tag	Origin Element Name	Origin Element Value	Target Element Name	Target Element Value	Transformation	Sequence ID Number
<222>	Feature Location		Feature Location	1..15	A feature location has been specified automatically since one was not provided.	23
<221>	Name/Key		Feature Key	REGION	The custom feature key has been replaced with a recommended key (see Annex VII, ST.26).	23
<223>	Other information		Qualifier Name	NOTE	A 'Note' qualifier has been created.	23
<223>	Other information		Qualifier Value	Antibody Light Chain CDR	A value has been added to qualifier	23


验证序列表

WIPO | Sequence DEMO PROJECT VERIFICATION REPORT FREE TEXT QUALIFIERS IMPORT REPORT DISPLAY THE SEQUENCE LISTING PREFERENCES ENGLISH [Back To List](#)

GENERAL INFORMATION SEQUENCES

DEMO PROJECT

[Print](#) [Export](#) [Import Another Project](#) [Validate](#) [Generate Sequence Listing](#)

Project Name Demo Project	Creation date 2019-02-21	
File Name	Sequences 36	
Description This is a project for demonstration purposes of the manual.	Status new	

验证报告：错误和警告

WIPO | Sequence
 INSECTICIDAL PROTEINS
 VERIFICATION REPORT
 FREE TEXT QUALIFIERS
 IMPORT REPORT
 DISPLAY THE SEQUENCE LISTING
 PREFERENCES
 ENGLISH
 Back To List

ERROR: After project verification, some errors or warnings have been detected. ✕

Severity	Data Element	Message Text	Detected Value	Detected Sequence
WARNING	Feature Qualifiers	Verify that the 'note' qualifier describes the 'OTHER' or 'other' value for the 'mod_base', 'ncRNA_class', or 'regulatory_class' qualifiers.	xyz	Sequence 392
WARNING	Organism	The organism name has not been found in the list of predefined and custom organism names stored in this system. Suggestion: this organism may be added to the list of custom organism names.	Phytoplasma sp.	Sequence 394
ERROR	Qualifier Value	The mandatory qualifier value is missing.	mol_type	Sequence 394

错误/警告消息

- **警告**：可以忽略，但应当通过手动审阅来处理
- **错误**：用户必须处理
- 验证报告中指向序列列表内特定组件的链接是导致错误/警告的原因
- **必须**再次验证项目，**才能**从报告中删除该错误
- 该**工具**在验证报告中对用户的**进度**进行跟踪

验证报告：无错误



The screenshot displays the top navigation bar of the WIPO Sequence application. The navigation bar is dark blue and contains the following items from left to right: the WIPO logo and 'WIPO | Sequence', 'INSECTICIDAL PROTEINS', 'VERIFICATION REPORT' (which is highlighted with a white triangle), 'FREE TEXT QUALIFIERS', 'IMPORT REPORT', 'DISPLAY THE SEQUENCE LISTING', 'HELP', a dropdown arrow, 'PREFERENCES', 'ENGLISH' with a dropdown arrow, and a 'Return to project home' button.

Below the navigation bar is a light blue success message box with a close button (X) on the right. The message reads: 'SUCCESS: The project has been successfully verified'.

Below the success message is a larger light blue box containing the following text: 'Report successfully generated on 2021-04-08' and 'This project does not contain any errors or warnings.'

验证序列表 (演示)

WIPO | Sequence PROJECTS PERSONS & ORGANIZATIONS ORGANISMS PREFERENCES ENGLISH

NEW PROJECT IMPORT PROJECT IMPORT SEQUENCE LISTING VALIDATE SEQUENCE LISTING

PROJECTS

Search project by name

Project name	Applicant file reference	Applicant name	Invention title	Status	Creation Date
Insecticidal Proteins				new	2019-05-09

添加特征键和限定符 (1)

▼ SEQUENCE 2

Sequence Number [ID] 2
Sequence Name Inserted sequence
Length 41

Molecule Type DNA
Organism Wohlfahrtiopsis bishoppi



▼ FEATURES

Add feature

Feature Key	Location	Qualifiers
<u>source</u>	1..41	mol_type = genomic DNA organism = Wohlfahrtiopsis bishoppi



▼ SEQUENCE

gatagtatgt atatatagta gtatgatgat gatatgatga t

41

添加特征键和限定符 (2)

▼ FEATURES

Add feature

Feature Key	Location	Qualifiers	
source	1..23	mol_type = genomic DNA organism = Tinamus osgoodi	

1

Feature 1

Feature Key*	▼	Feature Location*
D_segment		4..15

For a detailed explanation of the format of the feature location please [click here](#)

▼ QUALIFIERS



Add qualifier

Cancel Create Feature

添加特征键和限定符

▼ QUALIFIERS

Add qualifier

Qualifier Name mol_type	Qualifier Value genomic DNA	
Qualifier Name organism	Qualifier Value Tinamus osgoodi	

Qualifier Name

Qualifier Value

- cell_line
- cell_type
- chromosome
- clone
- clone_lib

Cancel Create Qualifier

添加特征键/限定符 (演示)

WIPO | Sequence PROJECTS PERSONS & ORGANIZATIONS ORGANISMS PREFERENCES ENGLISH

NEW PROJECT IMPORT PROJECT IMPORT SEQUENCE LISTING VALIDATE SEQUENCE LISTING

PROJECTS

Search project by name

Project name	Applicant file reference	Applicant name	Invention title	Status	Creation Date
Insecticidal Proteins				new	2019-05-09
Optimal Soybean Loci				new	2019-05-09

允许的特征位置 (1)

■ 核苷酸序列和氨基酸序列的位置描述符

位置	语法	描述
单一残基编号	x	指向序列中的单个残基
界定序列范围的残基编号	x..y	指向以起始残基和终止残基为界的连续残基范围，包括起始残基和终止残基。
位于第一个指定残基编号之前或位于最后一个指定残基编号之后的残基	<x >x <x..y x..>y <x..>y	指向一个包括指定残基或残基范围并超出指定残基的区域。符号“<”和“>”可用于单个残基编号，也可用于一个残基范围的起始残基编号和终止残基编号。

允许的特征位置 (2)

■ 仅用于核苷酸序列的位置描述符：

位置	语法	描述
两个相邻核苷酸之间的位点	x^y	指向两个相邻的核苷酸之间的位点，如核酸内切裂解位点。相邻核苷酸的位置号用脱字符 (^) 分隔。

允许的特征位置 (3)

- 仅用于氨基酸序列的位置描述符：

位置	语法	描述
通过链内交联而连接的残基编号	x..y	当与表示链内交联的特征（如“CROSSLNK”或“DISULFID”）一起使用时，指向通过链内交联而相连的氨基酸。

复杂的特征位置 (仅针对核苷酸序列)

Location syntax	Location description
<code>join(location, location, ..., location)</code>	The indicated locations are joined (placed end-to-end) to form one contiguous sequence.
<code>order(location, location, ..., location)</code>	The elements are found in the specified order but nothing is implied about whether joining those elements is reasonable.
<code>complement(location)</code>	Indicates that the feature is located on the strand complementary to the sequence span specified by the location descriptor, when read in the 5' to 3' direction or in the direction that mimics the 5' to 3' direction.

人员/组织

WIPO | ST26 Tool PROJECTS PERSONS & ORGANIZATIONS ORGANISMS PREFERENCES ENGLISH ▼

CREATE NEW PERSON OR ORGANIZATION

PERSONS & ORGANIZATIONS

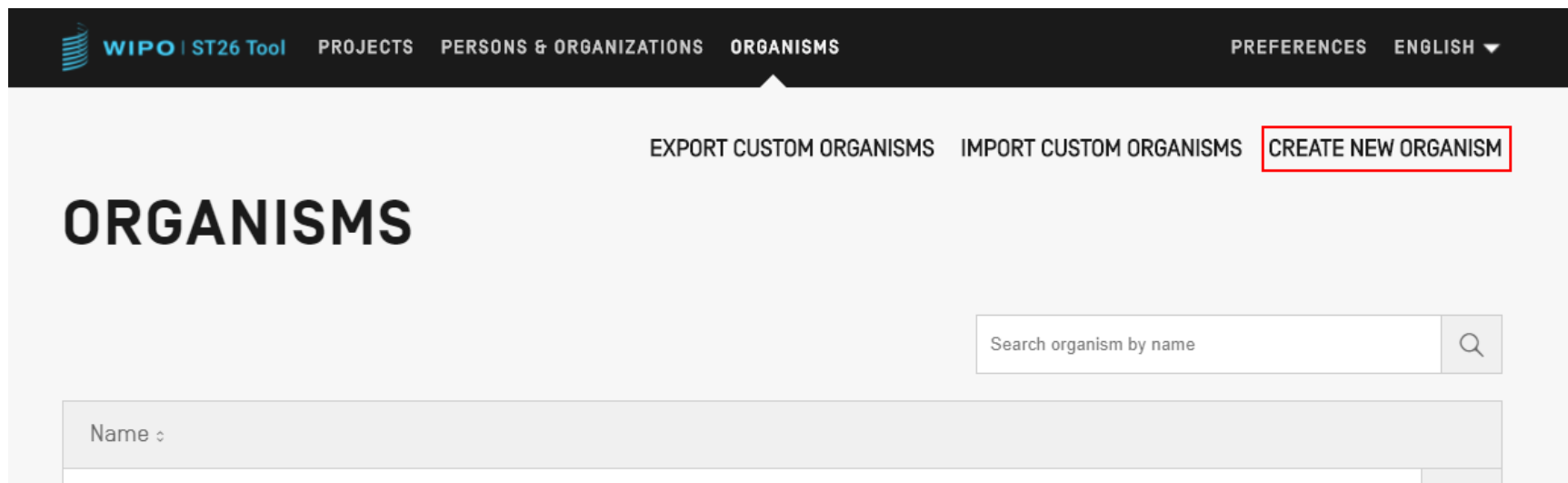
Search person or organization by name

Name ◯	Language Code ◯	Name Latin ◯	Residence Address ◯	Correspondence Address ◯

WIPO | ST26 Tool CREATE NEW PERSON OR ORGANIZATION PREFERENCES ENGLISH ▼

Name*	Residence Address
Language* <input type="button" value="▼"/>	Correspondence Address
Name Latin	

自定义生物体



The screenshot displays the 'ORGANISMS' section of the WIPO ST26 Tool. The top navigation bar includes 'WIPO | ST26 Tool', 'PROJECTS', 'PERSONS & ORGANIZATIONS', 'ORGANISMS', 'PREFERENCES', and 'ENGLISH'. Below the navigation bar, there are three buttons: 'EXPORT CUSTOM ORGANISMS', 'IMPORT CUSTOM ORGANISMS', and 'CREATE NEW ORGANISM', which is highlighted with a red border. The main heading 'ORGANISMS' is prominently displayed. A search bar with the placeholder text 'Search organism by name' and a magnifying glass icon is located on the right. Below the search bar, there is a table with a header row containing the text 'Name' and a dropdown arrow.

可用语言 (1)

- WIPO Sequence桌面工具以下列10种PCT语言提供所有标签和通知消息：
 - 英文、法文、西班牙文、阿拉伯文、俄文、中文、德文、葡萄牙文、韩文和日文
- 界面语言可在屏幕的右上角进行设置（如下页所示）
- 默认的图形用户界面语言可在“Preferences”（首选项）下设置
- 验证报告也将以该种语言生成

可用语言 (2)



WIPO | Sequence DEMONSTRATION PROJECT VERIFICATION REPORT FREE TEXT QUALIFIERS IMPORT REPORT DISPLAY THE SEQUENCE LISTING PREFERENCES ENGLISH Back To List

GENERAL INFORMATION SEQUENCES

DEMONSTRATION PROJECT


Print Export Import Another Project Validate **Generate Sequence Listing**

Project Name Demonstration Project	Creation date 2019-01-30	
File Name Sequence-list-import	Sequences 6	
Description This is a description for the project.	Status generated	

► GENERAL INFORMATION

► SEQUENCES


调整首选项

 **PREFERENCES** **HELP** ▼

PREFERENCES **ENGLISH** ▼ [Return to project home](#)

PREFERENCES

Maximum number of residue symbols to be displayed *	200
Default location where the sequence listing XML file will be generated	D:\test data\Insecticidal Proteins SL.xml
Maximum number of sequences to print [Leave empty for all]	-1
Maximum number of residues to print [Leave empty for all]	1200
Original free text language code (optional)	true
Default language for tool interface *	English



自由文本限定符：定义和用法

- 自由文本：“是用于某些限定符的一种值格式，采用的形式或是描述性文本短语，或是其他指定格式” – 产权组织 ST.26
- 两种类型之一：
 - 依赖于语言（可能需要翻译），例如：note/NOTE（注释）
 - 不依赖于语言，例如等位基因
- 不得超过1,000个字符
- 参见产权组织ST.26附件一第六节和第8节：依赖语言的自由文本限定符完整列表

添加自由文本限定符

WIPO | Sequence INSECTICIDAL PROTEINS VERIFICATION REPORT FREE TEXT QUALIFIERS IMPORT REPORT DISPLAY THE SEQUENCE LISTING HELP PREFERENCES ENGLISH Return to project home

For a detailed explanation of the format of the feature location please [click here](#)

▼ QUALIFIERS

Add qualifier

Qualifier Name *	▼	Qualifier Value
note		
		NOTE: this value may require translation for National/Regional procedures.
Language*	▼	Non English Qualifier Value

There is currently no Non English language code selected in your project. Please select one first.

Cancel Create Qualifier

Cancel Create Feature

自由文本限定符：XLIFF

Sequence ID Number	Sequence Name	Feature Key	Feature Location	Qualifier ID	Qualifier Name	Qualifier Value	Non English Qualifier Value-[fr]	Available language codes
1	Error four testing_seq_20	SOURCE	1.191	q26	<u>ORGANISM</u>	synthetic construct		
2	Error four testing_seq_1	source	1.1004	q5	<u>organism</u>	unidentified		
3	Error four testing_seq_2	SOURCE	1.191	q6	<u>ORGANISM</u>	unidentified		
4	Error four testing_seq_3	source	1.1004	q7	<u>organism</u>	synthetic construct		
5	Error four testing_seq_4	SOURCE	1.191	q8	<u>ORGANISM</u>	synthetic construct		


生成ST.26序列表

WIPO | Sequence DEMO PROJECT VERIFICATION REPORT FREE TEXT QUALIFIERS IMPORT REPORT DISPLAY THE SEQUENCE LISTING PREFERENCES ENGLISH [Back To List](#)

GENERAL INFORMATION SEQUENCES

DEMO PROJECT

[Print](#) [Export](#) [Import Another Project](#) [Validate](#) [Generate Sequence Listing](#)

Project Name Demo Project	Creation date 2019-02-21	
File Name	Sequences 36	
Description Th is is a project for demonstration purposes of the manual.	Status new	

```

<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE ST26SequenceListing PUBLIC "-//WIPO//DTD Sequence Listing 1.3//EN" "ST26SequenceListing_V1_3.dtd">
<ST26SequenceListing originalFreeTextLanguageCode="en" dtdVersion="V1_3" fileName="Insecticidal Proteins SL"
softwareName="WIPO Sequence" softwareVersion="1.1.0-beta.5" productionDate="2021-04-08">
  <ApplicationIdentification>
    <IPOfficeCode>IB</IPOfficeCode>
    <ApplicationNumberText>PCT/IB2021/000021</ApplicationNumberText>
    <FilingDate>2021-04-07</FilingDate>
  </ApplicationIdentification>
  <ApplicantFileReference>WIPO-Insect-Demo</ApplicantFileReference>
  <EarliestPriorityApplicationIdentification>
    <IPOfficeCode>IB</IPOfficeCode>
    <ApplicationNumberText>PCT/IB/2020/000045</ApplicationNumberText>
    <FilingDate>2020-04-06</FilingDate>
  </EarliestPriorityApplicationIdentification>
  <ApplicantName languageCode="en">Merck Sharpe and Dohme Corp.</ApplicantName>
  <InventionTitle languageCode="en">Insecticidal proteins and methods of their use</InventionTitle>
  <SequenceTotalQuantity>32</SequenceTotalQuantity>
  <SequenceData sequenceIDNumber="1">
    <INSDSeq>
      <INSDSeq_length>440</INSDSeq_length>
      <INSDSeq_moltype>AA</INSDSeq_moltype>
      <INSDSeq_division>PAT</INSDSeq_division>
      <INSDSeq_feature-table>
        <INSDFeature>
          <INSDFeature_key>SOURCE</INSDFeature_key>
          <INSDFeature_location>1..440</INSDFeature_location>
          <INSDFeature_qual>
            <INSDQualifier>
              <INSDQualifier_name>MOL_TYPE</INSDQualifier_name>
              <INSDQualifier_value>protein</INSDQualifier_value>
            </INSDQualifier>
            <INSDQualifier id="q84">
              <INSDQualifier_name>ORGANISM</INSDQualifier_name>
              <INSDQualifier_value>Homo sapiens</INSDQualifier_value>
            </INSDQualifier>
          </INSDFeature_qual>
        </INSDFeature>
      </INSDSeq_feature-table>
      <INSDSeq_sequence>

```

```

QVQLVESGGGVVQPGRSLRLDCKASGITFSNSGMHWVRQAPGKGLEWVAVIWDGSKRYYADSVKGRFTISRDNKNTLFLQMNSLRAEDTAVYYCATNDYWGQGLVTVS
SNTKVDKRVESKYGPPCPPAPEFLGGPSVFLFPPKPKDGLMISRTPEVTCVVVDVDSQEDPEVQFNWYVDGVEVHNAKTKPREEQFNSTYRVVSVLTVLHQDWLNGKEYK

```

以人工读取格式 (TXT) 生成ST.26序列列表

Sequence Listing Information:

DTD Version: V1_3

File Name: Insecticidal Proteins SL

Software Name: WIPO Sequence

Software Version: 1.1.0-beta.5

Production Date: 2021-04-08

General Information:

Current application / IP Office: IB

Current application / Application number: PCT/IB2021/000021

Current application / Filing date: 2021-04-07

Current application / Applicant file reference: WIPO-Insect-Demo

Earliest priority application / IP Office: IB

Earliest priority application / Application number: PCT/IB/2020/000045

Earliest priority application / Filing date: 2020-04-06

Applicant name: Merck Sharpe and Dohme Corp.

Applicant name / Language: en

Invention title: Insecticidal proteins and methods of their use (en)

Sequence Total Quantity: 32

Sequences:

Sequence Number (ID): 1

Length: 440

Molecule Type: AA

Features Location/Qualifiers:

- SOURCE, 1..440

> MOL_TYPE, protein

> ORGANISM, Homo sapiens

以人工读取格式 (HTML) 生成ST.26序列表：

Sequence Listing

Sequence Listing Information

File Name	Insecticidal Proteins SL
DTD Version	V1_3
Software Name	WIPO Sequence
Software Version	1.1.0-beta.5
Production Date	2021-04-08

General Information

Current application: IP Office	IB
Current application: Application number	PCT/IB2021/000021
Current application: Filing date	2021-04-07
Current application: Applicant file reference	WIPO-Insect-Demo
Earliest priority application: IP Office	IB
Earliest priority application: Application number	PCT/IB/2020/000045
Earliest priority application: Filing date	2020-04-06
Applicant name	Merck Sharpe and Dohme Corp.
Applicant name: Language	en
Applicant name: Name Latin	
Inventor name	
Inventor name: Language	
Inventor name: Name Latin	
Invention title	Insecticidal proteins and methods of their use (en)
Sequence Total Quantity	32

Sequences

Sequence Number [ID]	1
Molecule Type	AA
Length	440

Features Location/Qualifiers

SOURCE 1..440
 /MOL_TYPE= protein
 /ORGANISM= Homo sapiens

Residues

更多资源

- 产权组织标准ST.26:

<https://www.wipo.int/export/sites/www/standards/en/pdf/03-26-01.pdf>

- WIPO Sequence主页 :

<https://www.wipo.int/standards/en/sequence>

问答环节