

■ WIPO Sequence デスクトップツール

ウェビナートレーニング

本ウェビナーの内容

- ツールの目的
- インターフェイス内の主なビュー：プロジェクトホーム、プロジェクトの詳細
- サポートしている主な機能
 - プロジェクトおよび配列の作成
 - 配列表データのインポート – サポートされている様々な形式
 - 配列表データの検証 – 検証レポート
 - プロジェクトデータの追加 – feature keyとqualifier
 - フリーテキストqualifierおよびXLIFFエクスポート
 - ST.26に準拠した配列表の作成
- 言語サポートおよび環境設定の調整

本ウェビナーで取り扱わない内容

- WIPO標準 ST.26入門編 ウェビナーの資料:

https://www.wipo.int/meetings/en/details.jsp?meeting_id=62848

- 上記ウェビナーを修了していない場合はWIPO標準ST.26を参照:

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

- WIPO Sequenceの開発の進捗 - ST.26 ビッグバン実施日に使用されることになる最初の公式リリースは2022年4月に利用可能

WIPO Sequenceデスクトップツールの 目的

- 2022年7月1日以降、国際レベル、国内レベル、または広域レベルで提出されるすべての配列表は、WIPO標準ST.26に準拠する必要がある
- WIPO Sequence: WIPO ST.26に準拠した配列表を作成、検証するためにWIPOが作成した共通のデスクトップツール
- WIPO Sequenceは、世界中の全出願人が同じ無料ツールを利用できるようにするためにWIPOによって作成された

WIPO Sequence: インストール

- すべてのインストールパッケージとユーザーサポート資料は、WIPO Sequenceのホームページからダウンロード可能:
<https://www.wipo.int/standards/en/sequence>
- WIPO Sequence デスクトップツールが使用可能なOSは、MS Windows、Mac OSX、Linux
- 新しいバージョンが利用可能になると、自動更新機能でユーザーに通知
- 新しいバージョンをユーザーのデスクトップマシンにインストールする前に、新しい利用規約に承諾する必要がある

WIPO Sequence: 重要

- WIPO sequenceに入力され、作成された配列表とプロジェクトデータは、すべてローカル (ユーザーのコンピュータ上) に保存される
- オフラインでもプロジェクトの作成と配列表の作成はできるが、自動更新機能にはインターネットへの接続が必要
- WIPO Sequenceは、すべての出願人が無料で使用できるよう提供されるがソースコードは提供されない

プロジェクトホーム

[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

プロジェクトの詳細

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

<p>Project Name Demonstration Project</p> <p>File Name Sequence-list-import</p> <p>Description This is a description for the project.</p>	<p>Creation date 2019-01-30</p> <p>Sequences 6</p> <p>Status generated</p>	
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▶ **GENERAL INFORMATION**

▶ **SEQUENCES**

主なツールの特徴 (1)

■ プロジェクトのオーサリング:

- 一般情報
- 配列
- プロジェクトの検証
- ST.26 SLの生成
- SLの印刷
- ST.26 SLの検証

■ カスタムリスト:

- Custom organisms
- Person/Organization

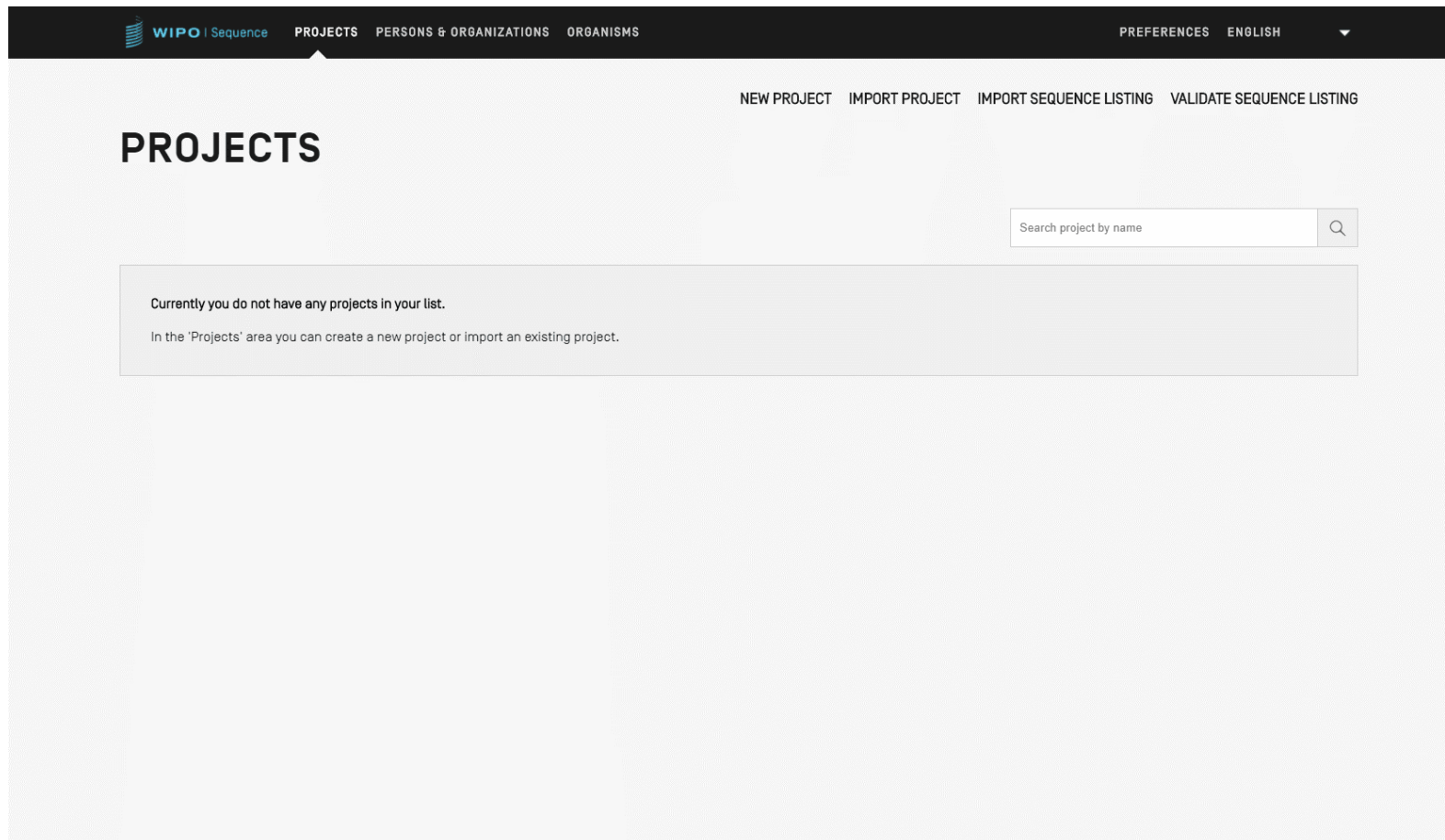
主なツールの特徴 (2)

- インポート：
 - 既存のSL: ST.25/ST.26
 - 共通のフォーマット: FASTA/multi-sequence/raw
 - 既存のST.26プロジェクト

- ツールの特徴：
 - ユーザー設定
 - 多言語対応
 - 自動更新

- ツールの全機能は、WIPO Sequence デスクトップマニュアルに掲載されている：
<https://www.wipo.int/export/sites/www/standards/en/sequence/wipo-sequence-manual-1-1-0-en.pdf>

プロジェクトの作成 (デモ)



WIPO | Sequence PROJECTS PERSONS & ORGANIZATIONS ORGANISMS PREFERENCES ENGLISH

NEW PROJECT IMPORT PROJECT IMPORT SEQUENCE LISTING VALIDATE SEQUENCE LISTING

PROJECTS

Search project by name

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.

プロジェクト詳細の追加：一般情報 (デモ)

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

<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>
--	--

GENERAL INFORMATION

APPLICATION IDENTIFICATION

IP Office ▼

Application Identification*

Before the assignment of the application number
 After the assignment of the application number

Applicant file reference*

Application File Reference is a mandatory field when 'Before the assignment of the application number' is provided.

配列サマリーテーブル

SEQUENCES

Sequence ID Number	Sequence Name	Length	Molecule Type	Organism
1	US20190136258A1-20190509-S00001_seq_SEQ ID NO 1	245	RNA	Rebilus crediton
2	Inserted sequence	41	DNA	Wohlfahrtiopsis bishoppi
3	US20190136258A1-20190509-S00001_seq_SEQ ID NO 2	1481		Pseudomonas sp.
4	US20190136258A1-20190509-S00001_seq_SEQ ID NO 2	1458		Pseudomonas monteilii

プロジェクト詳細の追加：新しい配列

- プロジェクト詳細ビュー内：配列の作成、またはプロジェクトへの配列のインポートが可能

The screenshot shows the top navigation bar of the WIPO Sequence application. The main navigation menu includes: WIPO | Sequence, 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, displaying a header 'SEQUENCES' and a row of action 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 rectangular box. Below the buttons is a table with the following columns: Sequence ID Number, Sequence Name, Length, Molecule Type, and Organism.

配列の作成

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

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

スキップされた配列

- ST.25と同様に、スキップされた配列は数列「000」で表される
- スキップされた配列を指定するには下のチェックボックスをチェックする：

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	

[Cancel](#)[Update sequence](#)

配列の並び替え (デモ)

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

既存の配列表のインポート

The screenshot displays the WIPO Sequence web application interface. At the top, navigation tabs include PROJECTS, PERSONS & ORGANIZATIONS, ORGANISMS, PREFERENCES, and ENGLISH. The main navigation bar features buttons for NEW PROJECT, IMPORT PROJECT, **IMPORT SEQUENCE LISTING** (highlighted with a red box), and VALIDATE SEQUENCE LISTING. The main content area shows a project named 'insecticidal proteins.xml' with a 'Project Name' field containing 'Import Sequence Project' (marked with a red circle '3'). Below this are checkboxes for 'Select Range Sequences' and 'Select the general information contents to be imported'. On the right, there is an 'Upload ST.25 [.txt] or ST.26 [.xml] file' button (marked with a red circle '1') and an 'Import Sequence Listing' button. A file explorer window titled 'Abrir' is open, showing the 'Import Seq Listing' folder. The file 'Insecticidal Proteins.xml' is selected (marked with a red circle '2'). The file explorer shows a list of files with columns for Nombre, Fecha de modifica..., and Tipo. The file 'Insecticidal Proteins.xml' has a modification date of 25/06/2019 18:50 and is a Documento XML. The file explorer also shows a search bar and a file type filter set to '*.txt;*.xml'. The background interface also shows a 'PROJECTS' section with a search bar and a table with columns for Project name, Applicant file referen..., and Creation Date.

ST.25配列表のインポート (1)

- WIPO SequenceはST.25配列表のインポートをサポートする
- ただし、インポートされたファイルに含まれないST.26の必須項目（下記を含む）については、ユーザーが手動で入力する必要がある：
 - SOURCE/source: 分子型と生物
 - featureに必須のqualifier 例: modified_base (mod_base)
- WIPO Sequenceは、インポート時に、インポートされたデータにいくつかの変更を加えてからプロジェクトに取り込む
- 変更データレポートにまとめられる

ST.25配列表のインポート (2)

- Annex VII の推奨事項に従って変更を実施する（新規事項を追加することなくST.25からST.26に変換するための推奨事項）

- 以下のものが含まれる：
 - RNA配列の場合、すべての「u」残基は「t」に変換される
 - 分子型を置き換える：
 - (i) ADNをDNAに、(ii) ARNをRNA、(iii) PRTをAAに
 - 「artificial sequence」（および指定された同等物）を「synthetic construct」に置き換える
 - 「unknown」（および指定された同等のもの）を「unidentified」に置き換える
 - 三文字表記のアミノ酸記号を一文字コードに置き換える

配列表のインポート (デモ)



WIPO | Sequence

PROJECTS

PERSONS & ORGANIZATIONS

ORGANISMS

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
Insecticidal Proteins				new	2019-05-09

FASTA形式のインポート

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 ⏪ ⏩

RAW形式のインポート

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

Multisequence形式のインポート

The screenshot displays the WIPO Sequence application interface. At the top, there is a navigation bar with the following menu items: WIPO | Sequence, INSECTICIDAL PROTEINS, VERIFICATION REPORT, FREE TEXT QUALIFIERS, IMPORT REPORT, DISPLAY THE SEQUENCE LISTING, HELP, PREFERENCES, ENGLISH, and a 'Return to project home' button. Below the navigation bar is a table with the following data:

Sequence 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

Below the table is a navigation bar with buttons for first, previous, next, and last, and a page indicator showing '1' of '2' pages.

The main area contains a file upload field with the text 'D:\test data\Multisequence.txt' and a button labeled 'Upload file [.txt, .xml, .FASTA]'. Below this is a checkbox labeled 'Select Range of Sequence IDs' which is currently unchecked.

At the bottom right, there are two buttons: 'Cancel' and 'Import sequence'.

インポートレポート (1)

- インポート中にエラーや警告が発生した場合、インポートレポートが作成される
- このレポートに記載されるメッセージには、ユーザーによる手動入力が必要な特定の配列が表示される
- インポートレポートには、分類 (Type of Note) 、関連するST.25タグ、ユーザーへのメッセージ、SEQ IDが掲載されている
- メッセージは次のいずれかに分類される：
 - INDIVIDUAL: インポートされた特定の配列に関する
 - GLOBAL: インポートされたすべての配列に影響する

インポートレポート (2)


[WIPO Sequence](#)
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[IMPORT REPORT](#)
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[ENGLISH](#)
[Return to project home](#)

Import Report Messages

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

変更データレポート (1)

- ST.25配列表のインポート時に行われた変更の具体的な内容
- ユーザーに具体的な内容を提供することを要求するインポートレポートとは対照的
- 元のST.25タグ、ターゲットST.26タグ、適用された変換と関連するSEQ IDを一覧表示する
- ただし、ここでの変換は元のコンテンツを変更することではなく、例えば、「u」が「t」に変更されても、ST.26のプロジェクトではウラシルのままである

変更データレポート (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

feature keyとqualifierの追加 (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
source	1..41	mol_type = genomic DNA organism = Wohlfahrtiopsis bishoppi



▼ SEQUENCE

gatagtatgt atatatagta gtatgatgat gatatgatga t

41

feature keyとqualifierの追加 (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

feature keyとqualifierの追加 (3)

▼ 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

feature / qualifierの追加 (デモ)

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

許容されるfeatureの位置 (1)

■ ヌクレオチドおよびアミノ酸配列の位置記述子:

Location	Syntax	Description
Single residue number	x	Points to a single residue in the sequence
Residue numbers delimitating a sequence span	x..y	Points to a continuous range of residues bounded by and including the starting and ending residues.
Residues before the first or beyond the last specified residue number	<x >x <x..y x..>y <x..>y	Points to a region including a specified residue or span of residues and extending beyond a specified residue. The '<' and '>' symbols may be used with a single residue or the starting and ending residue numbers of a span of residues.

許容されるfeatureの位置 (2)

■ ヌクレオチド配列のみの位置記述子

Location	Syntax	Description
A site between two adjoining nucleotides	x^y	Points to a site between two adjoining nucleotides, e.g., endonucleolytic cleavage site. The position numbers for the adjacent nucleotides are separated by a carat (^).

許容されるfeatureの位置 (3)

■ アミノ酸配列のみの位置記述子:

Location	Syntax	Description
Residue numbers joined by an intrachain cross-link	x..y	Points to amino acids joined by an intrachain linkage when used with a feature that indicates an intrachain cross-link, such as “CROSSLNK” or “DISULFID”.

複雑なfeatureの位置 (ヌクレオチド配列のみ)

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.

フリーテキスト qualifier: 定義と使用

- フリーテキスト (Free text): 「... 特定の qualifier のための値の形式の一種であり、記述的なテキストフレーズの形式または他の指定された形式 (Annex I に示す) で表されます」
 - 参照: WIPO ST.26

- 以下の2種類のうちのいずれか:
 - 言語依存 (翻訳が必要な場合がある) 例: note
 - 言語非依存 例: allele

- translation qualifier 以外は、1000文字を超えてはならない

- 言語依存のフリーテキスト qualifier の全リストについては、WIPO ST.26 Annex I Section 6 および 8 を参照

フリーテキスト qualifierを追加

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

フリーテキスト qualifier: XLIFF




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[Return to project home](#)

[IMPORT FREE TEXT QUALIFIERS](#)
[EXPORT FREE TEXT QUALIFIERS](#)

FREE TEXT QUALIFIERS

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		


配列表の検証

 **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

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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	

検証レポート

WIPO | Sequence
INSECTICIDAL PROTEINS
VERIFICATION REPORT
FREE TEXT QUALIFIERS
IMPORT REPORT
DISPLAY THE SEQUENCE LISTING
HELP

▼ PREFERENCES
ENGLISH ▼
Return to project home

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

Report generated on 2021-04-26

<input type="checkbox"/>	Severity ◯	Data Element ◯	Message Text	Detected Value	Detected Sequence	Rule ID ◯
<input type="checkbox"/>	ERROR	<u>Sequence Residue</u>	The sequence contains the invalid nucleotide symbol u at position 107. Nucleotide sequences must only contain the symbols set forth in WIPO ST.26 Annex I, Section 1.	-	Sequence 40	SR_2_SR_3
<input type="checkbox"/>	ERROR	<u>Sequence Residue</u>	The sequence contains the invalid nucleotide symbol u at position 4. Nucleotide sequences must only contain the symbols set forth in WIPO ST.26 Annex I, Section 1.	-	Sequence 40	SR_2_SR_3
			The sequence contains			

エラー / 警告メッセージ:

- 警告: 無視できるが、手動レビューで対応する必要があるもの
- エラー: ユーザーが対応しなければならないもの
- 検証レポートでは、エラー / 警告の原因となった配列内の特定のコンポーネントにリンクされている
- エラーをレポートから削除するには、プロジェクトを再度検証する必要がある
- 検証レポートは、後で参照するために印刷することができる

検証レポート：エラーなし

The screenshot displays a web application interface for protein sequence verification. At the top, a dark navigation bar contains the WIPO logo and menu items: INSECTICIDAL PROTEINS, VERIFICATION REPORT (highlighted), 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, a light blue success message states: 'SUCCESS: The project has been successfully verified'. A large light blue box contains the text: 'Report successfully generated on 2021-04-08' and 'This project does not contain any errors or warnings.'

配列表の検証 (デモ)

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


ST.26配列表の作成

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>
        QVQLVESGGGVVQPGRSLRLDCKASGITFSNSGMHWVRQAPGKGLEWVAVIWDGSKRYYADSVKGRFTISRDNKNTLFLQMNSLRAEDTAVYYCATNDDYWGQGLTQVTS
        SNTKVDKRVESKYGPPCPPAPEFLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSDQEDPEVQFNWYVDGVEVHNAKTKPREEQFNSTYRVVSVLTVLHQDWLNGKEYKC
      </INSDSeq_sequence>
    </INSDSeq>
  </SequenceData>
</ST26SequenceListing>

```

ST.26 SLを人間が読める形式で作成: TXT

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

Production Date: 2021-04-08

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

Featureの位置 / Qualifier

- SOURCE, 1..440

> MOL_TYPE, protein

> ORGANISM, Homo sapiens

WIPO PUBLIC

ST.26 SLを人間が読める形式で作成: HTML

Sequence Listing

1	Sequence Listing Information	
1-1	File Name	Insecticidal Proteins SL.xml
1-2	DTD Version	V1_3
1-3	Software Name	WIPO Sequence
1-4	Software Version	1.2.0-beta.3
1-5	Production Date	2022-03-21
1-6	Original free text language code	en
1-7	Non English free text language code	
2	General Information	
2-1	Current application: IP Office	IB
2-2	Current application: Application number	PCT/IB2021/000021
2-3	Current application: Filing date	2021-04-07
2-4	Current application: Applicant file reference	WIPO-Insect-Demo
2-5	Earliest priority application: IP Office	IB
2-6	Earliest priority application: Application number	PCT/IB/2020/000045
2-7	Earliest priority application: Filing date	2020-04-06
2-8en	Applicant name	Merck Sharpe and Dohme Corp.
2-8en	Applicant name: Name Latin	
2-9	Inventor name	
2-9en	Inventor name: Name Latin	
2-10en	Invention title	Insecticidal proteins and methods of their use
2-11	Sequence Total Quantity	31
3-1	Sequences	
3-1-1	Sequence Number [ID]	1
3-1-2	Molecule Type	AA
3-1-3	Length	440

Person/Organization

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	

Custom organisms

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

EXPORT CUSTOM ORGANISMS IMPORT CUSTOM ORGANISMS **CREATE NEW ORGANISM**

ORGANISMS

Search organism by name

Name ▾

対応言語 (1)

- WIPO Sequence デスクトップツールは、すべてのラベルと通知メッセージを10種類のPCT言語それぞれで提供する。
 - 英語、フランス語、スペイン語、アラビア語、ロシア語、中国語、ドイツ語、ポルトガル語、韓国語、および日本語
- ホームページ / ユーザーマニュアルも、これら10言語で提供されている
- インターフェースの言語は、画面右上で設定することができる (次ページ参照)
- 「環境設定」でデフォルトのGUI言語が設定できる
- 検証レポートもこの言語で作成される


対応言語 (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

環境設定の調整

PREFERENCES

Maximum number of residue symbols to be displayed * 200

Default location where the sequence listing XML file will be generated C:\Users\devfrancis\Documents\WIPO Sequence Testing

Maximum number of sequences to print [Leave empty for all] 1000

Maximum number of residues to print [Leave empty for all] 1000

Original free text language code [optional] false

Enable rule XQV_49 for language-dependent qualifiers Off

Default language for tool interface * English



Q & Aセッション

wiposequence@wipo.int

その他のリソース

- WIPO Standard ST.26 (英語) :

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

- WIPO Sequence ホームページ (英語) :

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