# ST.26 - ANNEX III

SEQUENCE LISTING SPECIMEN (XML file)

*Version 1.~~1~~2*

*~~Approved by the Committee on WIPO Standards (CWS)  
 at its fifth session on June 2, 2017~~Proposal presented by the SEQL Task Force for consideration and approval at the CWS/6*

<?xml version=**"1.0"** encoding=**"UTF-8"**?>

<!DOCTYPE ST26SequenceListing PUBLIC "-//WIPO//DTD SEQUENCE LISTING 1.~~0~~2//EN"" ST26SequenceListing\_V1\_~~0~~2.dtd">

<ST26SequenceListing dtdVersion=**"V1\_**~~1~~**2"** fileName=**"AnnexIII\_Sequence\_Listing\_Specimen.xml"**

softwareName=**"SEQL-software-name"** softwareVersion=**"1.1"** productionDate=**"2017-06-02"**>

<ApplicationIdentification>

<IPOfficeCode>**IB**</IPOfficeCode>

<ApplicationNumberText>**PCT/IB2015/099999**</ApplicationNumberText>

<FilingDate>**2015-01-31**</FilingDate>

</ApplicationIdentification>

<ApplicantFileReference>**AB123**</ApplicantFileReference>

<EarliestPriorityApplicationIdentification>

<IPOfficeCode>**IB**</IPOfficeCode>

<ApplicationNumberText>**PCT/IB2014/111111**</ApplicationNumberText>

<FilingDate>**2014-01-30**</FilingDate>

</EarliestPriorityApplicationIdentification>

<ApplicantName languageCode=**"ja"**>出願製薬株式会社</ApplicantName>

<ApplicantNameLatin>**Shutsugan Pharmaceuticals Kabushiki Kaisha**</ApplicantNameLatin>

<InventorName languageCode=**"ja"**>特許 太郎</InventorName>

<InventorNameLatin>**Taro Tokkyo**</InventorNameLatin>

<InventionTitle languageCode=**"ja"**>**efg**タンパク質をコードするマウス**abcd-1**遺伝子</InventionTitle>

<InventionTitle languageCode=**"en"**>**Mus musculus abcd-1 gene for efg protein**

</InventionTitle>

<SequenceTotalQuantity>**11**</SequenceTotalQuantity>

<SequenceData sequenceIDNumber=**"1"**>

<INSDSeq>

<INSDSeq\_length>**133**</INSDSeq\_length>

<INSDSeq\_moltype>**DNA**</INSDSeq\_moltype>

<INSDSeq\_division>**PAT**</INSDSeq\_division>

<INSDSeq\_feature-table>

<INSDFeature>

<INSDFeature\_key>**source**</INSDFeature\_key>

<INSDFeature\_location>**1..133**</INSDFeature\_location>

<INSDFeature\_quals>

<INSDQualifier>

<INSDQualifier\_name>**organism**</INSDQualifier\_name>

<INSDQualifier\_value>**Homo sapiens**</INSDQualifier\_value>

</INSDQualifier>

<INSDQualifier>

<INSDQualifier\_name>**mol\_type**</INSDQualifier\_name>

<INSDQualifier\_value>**genomic DNA**</INSDQualifier\_value>

</INSDQualifier>

</INSDFeature\_quals>

</INSDFeature>

</INSDSeq\_feature-table>

<INSDSeq\_sequence> **atgaaattaaaacataaaarggatgataaaatgagatttgatataaaaaaggttttagagttagcagagaaggattttgaga cggcatggagagagacaagggcattaataaaggataaacatattgacaata**</INSDSeq\_sequence>

</INSDSeq>

</SequenceData>

<SequenceData sequenceIDNumber=**"2"**>

<INSDSeq>

<INSDSeq\_length>**29**</INSDSeq\_length>

<INSDSeq\_moltype>**AA**</INSDSeq\_moltype>

<INSDSeq\_division>**PAT**</INSDSeq\_division>

<INSDSeq\_feature-table>

<INSDFeature>

<INSDFeature\_key>**SOURCE**</INSDFeature\_key>

<INSDFeature\_location>**1..29**</INSDFeature\_location>

<INSDFeature\_quals>

<INSDQualifier>

<INSDQualifier\_name>**ORGANISM**</INSDQualifier\_name>

<INSDQualifier\_value>**synthetic construct**</INSDQualifier\_value>

</INSDQualifier>

<INSDQualifier>

<INSDQualifier\_name>**MOL\_TYPE**</INSDQualifier\_name>

<INSDQualifier\_value>**protein**</INSDQualifier\_value>

</INSDQualifier>

<INSDQualifier>

<INSDQualifier\_name>**NOTE**</INSDQualifier\_name>

<INSDQualifier\_value>**Synthetic peptide antigen fragment**

</INSDQualifier\_value>

</INSDQualifier>

</INSDFeature\_quals>

</INSDFeature>

</INSDSeq\_feature-table>

<INSDSeq\_sequence>**GSLSDVRKDVEKRIDKALEAFKNKMDKEK**</INSDSeq\_sequence>

</INSDSeq>

</SequenceData>

<SequenceData sequenceIDNumber=**"3"**>

<INSDSeq>

<INSDSeq\_length>**62**</INSDSeq\_length>

<INSDSeq\_moltype>**DNA**</INSDSeq\_moltype>

<INSDSeq\_division>**PAT**</INSDSeq\_division>

<INSDSeq\_feature-table>

<INSDFeature>

<INSDFeature\_key>**source**</INSDFeature\_key>

<INSDFeature\_location>**1..62**</INSDFeature\_location>

<INSDFeature\_quals>

<INSDQualifier>

<INSDQualifier\_name>**organism**</INSDQualifier\_name>

<INSDQualifier\_value>**Homo sapiens**</INSDQualifier\_value>

</INSDQualifier>

<INSDQualifier>

<INSDQualifier\_name>**mol\_type**</INSDQualifier\_name>

<INSDQualifier\_value>**genomic DNA**</INSDQualifier\_value>

</INSDQualifier>

</INSDFeature\_quals>

</INSDFeature>

<INSDFeature>

<INSDFeature\_key>**CDS**</INSDFeature\_key>

<INSDFeature\_location>**3..62**</INSDFeature\_location>

<INSDFeature\_quals>

<INSDQualifier>

<INSDQualifier\_name>**translation**</INSDQualifier\_name>

<INSDQualifier\_value>**MLAPDCPFDPTRIYSSSLC**</INSDQualifier\_value>

</INSDQualifier>

<INSDQualifier>

<INSDQualifier\_name>**protein\_id**</INSDQualifier\_name>

<INSDQualifier\_value>**4**</INSDQualifier\_value>

</INSDQualifier>

</INSDFeature\_quals>

</INSDFeature>

</INSDSeq\_feature-table>

<INSDSeq\_sequence>**tgatgctcgcacctgactgtcccttcgaccccacacgcatttatagctccagcctgtgctag**

</INSDSeq\_sequence>

</INSDSeq>

</SequenceData>

<SequenceData sequenceIDNumber=**"4"**>

<INSDSeq>

<INSDSeq\_length>**19**</INSDSeq\_length>

<INSDSeq\_moltype>**AA**</INSDSeq\_moltype>

<INSDSeq\_division>**PAT**</INSDSeq\_division>

<INSDSeq\_feature-table>

<INSDFeature>

<INSDFeature\_key>**SOURCE**</INSDFeature\_key>

<INSDFeature\_location>**1..19**</INSDFeature\_location>

<INSDFeature\_quals>

<INSDQualifier>

<INSDQualifier\_name>**ORGANISM**</INSDQualifier\_name>

<INSDQualifier\_value>**Homo sapiens**</INSDQualifier\_value>

</INSDQualifier>

<INSDQualifier>

<INSDQualifier\_name>**MOL\_TYPE**</INSDQualifier\_name>

<INSDQualifier\_value>**protein**</INSDQualifier\_value>

</INSDQualifier>

</INSDFeature\_quals>

</INSDFeature>

</INSDSeq\_feature-table>

<INSDSeq\_sequence>**MLAPDCPFDPTRIYSSSLC**</INSDSeq\_sequence>

</INSDSeq>

</SequenceData>

<SequenceData sequenceIDNumber=**"5"**>

<INSDSeq>

<INSDSeq\_length>**133**</INSDSeq\_length>

<INSDSeq\_moltype>**DNA**</INSDSeq\_moltype>

<INSDSeq\_division>**PAT**</INSDSeq\_division>

<INSDSeq\_feature-table>

<INSDFeature>

<INSDFeature\_key>**source**</INSDFeature\_key>

<INSDFeature\_location>**1..133**</INSDFeature\_location>

<INSDFeature\_quals>

<INSDQualifier>

<INSDQualifier\_name>**organism**</INSDQualifier\_name>

<INSDQualifier\_value>**Solanum lycopersicum**</INSDQualifier\_value>

</INSDQualifier>

<INSDQualifier>

<INSDQualifier\_name>**mol\_type**</INSDQualifier\_name>

<INSDQualifier\_value>**genomic DNA**</INSDQualifier\_value>

</INSDQualifier>

<INSDQualifier>

<INSDQualifier\_name>**note**</INSDQualifier\_name>

<INSDQualifier\_value>**common name: tomato**</INSDQualifier\_value>

</INSDQualifier>

</INSDFeature\_quals>

</INSDFeature>

<INSDFeature>

<INSDFeature\_key>**modified\_base**</INSDFeature\_key>

<INSDFeature\_location>**15**</INSDFeature\_location>

<INSDFeature\_quals>

<INSDQualifier>

<INSDQualifier\_name>**mod\_base**</INSDQualifier\_name>

<INSDQualifier\_value>**i**</INSDQualifier\_value>

</INSDQualifier>

</INSDFeature\_quals>

</INSDFeature>

<INSDFeature>

<INSDFeature\_key>**modified\_base**</INSDFeature\_key>

<INSDFeature\_location>**22**</INSDFeature\_location>

<INSDFeature\_quals>

<INSDQualifier>

<INSDQualifier\_name>**mod\_base**</INSDQualifier\_name>

<INSDQualifier\_value>**OTHER**</INSDQualifier\_value>

</INSDQualifier>

<INSDQualifier>

<INSDQualifier\_name>**note**</INSDQualifier\_name>

<INSDQualifier\_value>**xanthine**</INSDQualifier\_value>

</INSDQualifier>

</INSDFeature\_quals>

</INSDFeature>

<INSDFeature>

<INSDFeature\_key>**variation**</INSDFeature\_key>

<INSDFeature\_location>**60**</INSDFeature\_location>

<INSDFeature\_quals>

<INSDQualifier>

<INSDQualifier\_name>**replace**</INSDQualifier\_name>

<INSDQualifier\_value>**c**</INSDQualifier\_value>

</INSDQualifier>

</INSDFeature\_quals>

</INSDFeature>

</INSDSeq\_feature-table>

<INSDSeq\_sequence> **atgaaattaaaacanaaaaggnatgataaaatgagatttgatataaaaaaggttttagagttagcagagaaggattttgaga cggcatggagagagacaagggcattaataaaggataaacatattgacaata**</INSDSeq\_sequence>

</INSDSeq>

</SequenceData>

<SequenceData sequenceIDNumber=**"6"**>

<INSDSeq>

<INSDSeq\_length>**29**</INSDSeq\_length>

<INSDSeq\_moltype>**AA**</INSDSeq\_moltype>

<INSDSeq\_division>**PAT**</INSDSeq\_division>

<INSDSeq\_feature-table>

<INSDFeature>

<INSDFeature\_key>**SOURCE**</INSDFeature\_key>

<INSDFeature\_location>**1..29**</INSDFeature\_location>

<INSDFeature\_quals>

<INSDQualifier>

<INSDQualifier\_name>**ORGANISM**</INSDQualifier\_name>

<INSDQualifier\_value>**synthetic construct**</INSDQualifier\_value>

</INSDQualifier>

<INSDQualifier>

<INSDQualifier\_name>**MOL\_TYPE**</INSDQualifier\_name>

<INSDQualifier\_value>**protein**</INSDQualifier\_value>

</INSDQualifier>

<INSDQualifier>

<INSDQualifier\_name>**NOTE**</INSDQualifier\_name>

<INSDQualifier\_value>**Synthetic peptide antigen fragment**

</INSDQualifier\_value>

</INSDQualifier>

</INSDFeature\_quals>

</INSDFeature>

<INSDFeature>

<INSDFeature\_key>**MOD\_RES**</INSDFeature\_key>

<INSDFeature\_location>**3**</INSDFeature\_location>

<INSDFeature\_quals>

<INSDQualifier>

<INSDQualifier\_name>**NOTE**</INSDQualifier\_name>

<INSDQualifier\_value>**N-acetylalanine**</INSDQualifier\_value>

</INSDQualifier>

</INSDFeature\_quals>

</INSDFeature>

<INSDFeature>

<INSDFeature\_key>**SITE**</INSDFeature\_key>

<INSDFeature\_location>**7**</INSDFeature\_location>

<INSDFeature\_quals>

<INSDQualifier>

<INSDQualifier\_name>**NOTE**</INSDQualifier\_name>

<INSDQualifier\_value>**Orn**</INSDQualifier\_value>

</INSDQualifier>

</INSDFeature\_quals>

</INSDFeature>

<INSDFeature>

<INSDFeature\_key>**SITE**</INSDFeature\_key>

<INSDFeature\_location>**13**</INSDFeature\_location>

<INSDFeature\_quals>

<INSDQualifier>

<INSDQualifier\_name>**NOTE**</INSDQualifier\_name>

<INSDQualifier\_value>**D-Arginine**</INSDQualifier\_value>

</INSDQualifier>

</INSDFeature\_quals>

</INSDFeature>

<INSDFeature>

<INSDFeature\_key>**UNSURE**</INSDFeature\_key>

<INSDFeature\_location>**15**</INSDFeature\_location>

<INSDFeature\_quals>

<INSDQualifier>

<INSDQualifier\_name>**NOTE**</INSDQualifier\_name>

<INSDQualifier\_value>**A or V**</INSDQualifier\_value>

</INSDQualifier>

</INSDFeature\_quals>

</INSDFeature>

<INSDFeature>

<INSDFeature\_key>**VARIANT**</INSDFeature\_key>

<INSDFeature\_location>**20**</INSDFeature\_location>

<INSDFeature\_quals>

<INSDQualifier>

<INSDQualifier\_name>**NOTE**</INSDQualifier\_name>

<INSDQualifier\_value>**I, A, F, Y, aIle, MeIle, or Nle**

</INSDQualifier\_value>

</INSDQualifier>

</INSDFeature\_quals>

</INSDFeature>

<INSDFeature>

<INSDFeature\_key>**SITE**</INSDFeature\_key>

<INSDFeature\_location>**22**</INSDFeature\_location>

<INSDFeature\_quals>

<INSDQualifier>

<INSDQualifier\_name>**NOTE**</INSDQualifier\_name>

<INSDQualifier\_value>**Homoserine**</INSDQualifier\_value>

</INSDQualifier>

</INSDFeature\_quals>

</INSDFeature>

</INSDSeq\_feature-table>

<INSDSeq\_sequence>**GSASDVXKDVEKRIXKALEXFSNKMDKSK**</INSDSeq\_sequence>

</INSDSeq>

</SequenceData>

<SequenceData sequenceIDNumber=**"7"**>

<INSDSeq>

<INSDSeq\_length/>

<INSDSeq\_moltype/>

<INSDSeq\_division/>

<INSDSeq\_sequence>**000**</INSDSeq\_sequence>

</INSDSeq>

</SequenceData>

<SequenceData sequenceIDNumber=**"8"**>

<INSDSeq>

<INSDSeq\_length>**74**</INSDSeq\_length>

<INSDSeq\_moltype>**RNA**</INSDSeq\_moltype>

<INSDSeq\_division>**PAT**</INSDSeq\_division>

<INSDSeq\_feature-table>

<INSDFeature>

<INSDFeature\_key>**source**</INSDFeature\_key>

<INSDFeature\_location>**1..74**</INSDFeature\_location>

<INSDFeature\_quals>

<INSDQualifier>

<INSDQualifier\_name>**organism**</INSDQualifier\_name>

<INSDQualifier\_value>**Dengue virus 2**</INSDQualifier\_value>

</INSDQualifier>

<INSDQualifier>

<INSDQualifier\_name>**mol\_type**</INSDQualifier\_name>

<INSDQualifier\_value>**genomic RNA**</INSDQualifier\_value>

</INSDQualifier>

</INSDFeature\_quals>

</INSDFeature>

</INSDSeq\_feature-table>

<INSDSeq\_sequence>

**atgaaattaaaacataaaagggatgataaaatgagatttgatataaaaaaggttttagagttagcagagaagga**

</INSDSeq\_sequence>

</INSDSeq>

</SequenceData>

<SequenceData sequenceIDNumber=**"9"**>

<INSDSeq>

<INSDSeq\_length>**120**</INSDSeq\_length>

<INSDSeq\_moltype>**DNA**</INSDSeq\_moltype>

<INSDSeq\_division>**PAT**</INSDSeq\_division>

<INSDSeq\_feature-table>

<INSDFeature>

<INSDFeature\_key>**source**</INSDFeature\_key>

<INSDFeature\_location>**1..120**</INSDFeature\_location>

<INSDFeature\_quals>

<INSDQualifier>

<INSDQualifier\_name>**organism**</INSDQualifier\_name>

<INSDQualifier\_value>**synthetic construct**</INSDQualifier\_value>

</INSDQualifier>

<INSDQualifier>

<INSDQualifier\_name>**mol\_type**</INSDQualifier\_name>

<INSDQualifier\_value>**other DNA**</INSDQualifier\_value>

</INSDQualifier>

</INSDFeature\_quals>

</INSDFeature>

<INSDFeature>

<INSDFeature\_key>**misc\_feature**</INSDFeature\_key>

<INSDFeature\_location>**1..60**</INSDFeature\_location>

<INSDFeature\_quals>

<INSDQualifier>

<INSDQualifier\_name>**note**</INSDQualifier\_name>

<INSDQualifier\_value>**DNA** ~~fragment~~</INSDQualifier\_value>

</INSDQualifier>

</INSDFeature\_quals>

</INSDFeature>

<INSDFeature>

<INSDFeature\_key>**misc\_feature**</INSDFeature\_key>

<INSDFeature\_location>**61..120**</INSDFeature\_location>

<INSDFeature\_quals>

<INSDQualifier>

<INSDQualifier\_name>**note**</INSDQualifier\_name>

<INSDQualifier\_value>**RNA** ~~fragment~~</INSDQualifier\_value>

</INSDQualifier>

</INSDFeature\_quals>

</INSDFeature>

</INSDSeq\_feature-table>

<INSDSeq\_sequence> **cgacccacgcgtccgaggaaccaaccatcacgtttgaggacttcgtgaaggaattggataatacccgtccctaccaaaatgg cgagcgccgactcattgctcctcgtaccgtcgagcggc**</INSDSeq\_sequence>

</INSDSeq>

</SequenceData>

<SequenceData sequenceIDNumber=**"10"**>

<INSDSeq>

<INSDSeq\_length>**288**</INSDSeq\_length>

<INSDSeq\_moltype>**DNA**</INSDSeq\_moltype>

<INSDSeq\_division>**PAT**</INSDSeq\_division>

<INSDSeq\_feature-table>

<INSDFeature>

<INSDFeature\_key>**source**</INSDFeature\_key>

<INSDFeature\_location>**1..288**</INSDFeature\_location>

<INSDFeature\_quals>

<INSDQualifier>

<INSDQualifier\_name>**organism**</INSDQualifier\_name>

<INSDQualifier\_value>**Candida albicans**</INSDQualifier\_value>

</INSDQualifier>

<INSDQualifier>

<INSDQualifier\_name>**mol\_type**</INSDQualifier\_name>

<INSDQualifier\_value>**genomic DNA**</INSDQualifier\_value>

</INSDQualifier>

</INSDFeature\_quals>

</INSDFeature>

<INSDFeature>

<INSDFeature\_key>**CDS**</INSDFeature\_key>

<INSDFeature\_location>**1..288**</INSDFeature\_location>

<INSDFeature\_quals>

<INSDQualifier>

<INSDQualifier\_name>**translation**</INSDQualifier\_name>

<INSDQualifier\_value> **MNLTLHNVIQTDSRGEKFMKIPEIYIRGIHIKYLRIPDDIMGYAKEQSMINMENRNRYQKRRGTSS GGGGGGGGGSGDSRRFNNRQSHGHNYGRR**</INSDQualifier\_value>

</INSDQualifier>

<INSDQualifier>

<INSDQualifier\_name>**transl\_table**</INSDQualifier\_name>

<INSDQualifier\_value>**12**</INSDQualifier\_value>

</INSDQualifier>

<INSDQualifier>

<INSDQualifier\_name>**protein\_id**</INSDQualifier\_name>

<INSDQualifier\_value>**11**</INSDQualifier\_value>

</INSDQualifier>

</INSDFeature\_quals>

</INSDFeature>

</INSDSeq\_feature-table>

<INSDSeq\_sequence> **atgaatttaaccttacataatgttatacaaaccgattcccgaggtgagaaatttatgaaaattcccgaaatatatattcgtg gtatacatattaaatatttaagaattcctgatgatattatgggatatgcaaaagaacaaagtatgataaatatggaaaatag aaatcgataccaaaaaagaagaggtactagcagtggtggtggtggtggtggtggtggtggaagtggtgattcaagaaggttt aataatagacaactgcatggacataattatggacgtagatga**</INSDSeq\_sequence>

</INSDSeq>

</SequenceData>

<SequenceData sequenceIDNumber=**"11"**>

<INSDSeq>

<INSDSeq\_length>**95**</INSDSeq\_length>

<INSDSeq\_moltype>**AA**</INSDSeq\_moltype>

<INSDSeq\_division>**PAT**</INSDSeq\_division>

<INSDSeq\_feature-table>

<INSDFeature>

<INSDFeature\_key>**SOURCE**</INSDFeature\_key>

<INSDFeature\_location>**1..95**</INSDFeature\_location>

<INSDFeature\_quals>

<INSDQualifier>

<INSDQualifier\_name>**ORGANISM**</INSDQualifier\_name>

<INSDQualifier\_value>**Candida albicans**</INSDQualifier\_value>

</INSDQualifier>

<INSDQualifier>

<INSDQualifier\_name>**MOL\_TYPE**</INSDQualifier\_name>

<INSDQualifier\_value>**protein**</INSDQualifier\_value>

</INSDQualifier>

</INSDFeature\_quals>

</INSDFeature>

</INSDSeq\_feature-table>

<INSDSeq\_sequence> **MNLTLHNVIQTDSRGEKFMKIPEIYIRGIHIKYLRIPDDIMGYAKEQSMINMENRNRYQKRRGTSSGGGGGGGGGSGDSRRF NNRQSHGHNYGRR**</INSDSeq\_sequence>

</INSDSeq>

</SequenceData>

</ST26SequenceListing>

[يلي ذلك المرفق الخامس  
(المرفق الرابع للمعيار ST.26)]