Subject: RE: GeneData Error for new VSIG4 sequences
Date: Thursday, November 16, 2023 at 2:39:27 PM Eastern Standard Time
From: Sausen, Christopher
To: Bard, Joel
CC: Jackobek, Ryan Andrew, Francis, Christopher Alan, Bitzas, Gabrielle, Kerns, Kelvin
Attachments: image002.png, image005.png, image006.png, image007.png

Hi Joel,

Thanks so much, that worked perfectly. Easy fix! 😊

Best,
Chris

Christopher Sausen
Senior Scientist

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O: 1-978-247-1374 **M**: 1-218-851-7391
Christopher.sausen@pfizer.com

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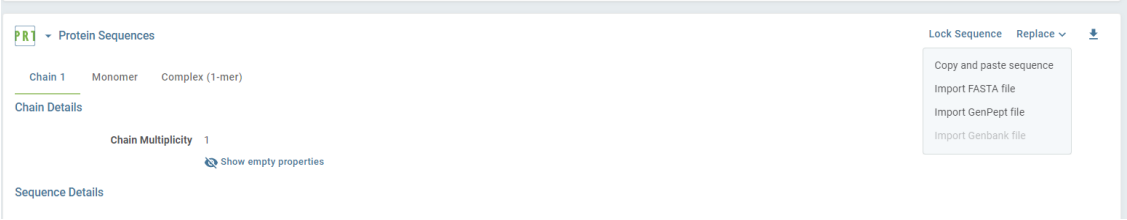
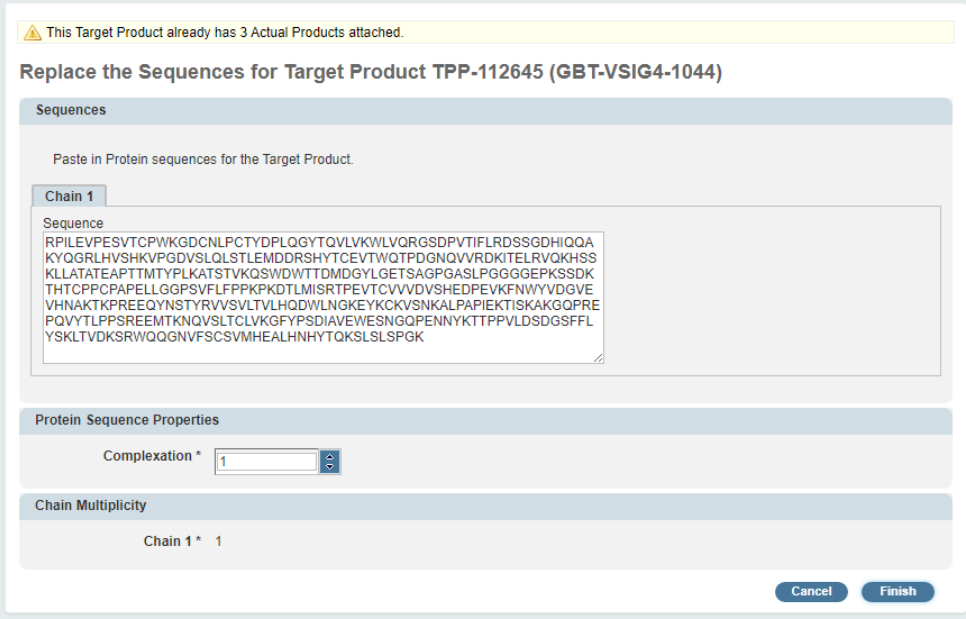
From: Bard, Joel <Joel.Bard@pfizer.com>
Sent: Thursday, November 16, 2023 1:31 PM
To: Sausen, Christopher <Christopher.Sausen@pfizer.com>
Cc: Jackobek, Ryan Andrew <Ryan.Jackobek@pfizer.com>; Francis, Christopher Alan <Christopher.Francis@pfizer.com>; Bitzas, Gabrielle <Gabrielle.Bitzas@pfizer.com>; Kerns, Kelvin <Kelvin.Kerns@pfizer.com>
Subject: RE: GeneData Error for new VSIG4 sequences

Hi Chris and Ryan-

The way to change complexation is to use the Replace button on the sequence tab on the TPP page and choose the Copy Paste option. That will let you edit the complexation. You won't need to do anything to the sequence, just change complexation and Finish.





From: Sausen, Christopher <Christopher.Sausen@pfizer.com>
Sent: Thursday, November 16, 2023 12:49 PM
To: Bard, Joel <Joel.Bard@pfizer.com>
Cc: Jackobek, Ryan Andrew <Ryan.Jackobek@pfizer.com>; Francis, Christopher Alan <Christopher.Francis@pfizer.com>; Bitzas, Gabrielle <Gabrielle.Bitzas@pfizer.com>; Kerns, Kelvin <Kelvin.Kerns@pfizer.com>
Subject: RE: GeneData Error for new VSIG4 sequences

Hi Joel,

May you help with the complexation issue detailed below? This Issue is happening for GBT-VSIG4-1044, 1047, and 1049. Please let me know if you have any further questions on what is going on.

Thanks,
Chris

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From: Jackobek, Ryan Andrew <Ryan.Jackobek@pfizer.com>
Sent: Thursday, November 16, 2023 11:31 AM
To: Sausen, Christopher <Christopher.Sausen@pfizer.com>; Francis, Christopher Alan <Christopher.Francis@pfizer.com>; Bitzas, Gabrielle <Gabrielle.Bitzas@pfizer.com>; Kerns, Kelvin <Kelvin.Kerns@pfizer.com>
Subject: RE: GeneData Error for new VSIG4 sequences

Hi Chris,

Complexation needs to be changed to 2, but it looks like its grayed out. Maybe a Joel fix.

Ryan

From: Sausen, Christopher <Christopher.Sausen@pfizer.com>
Sent: Thursday, November 16, 2023 11:28 AM
To: Francis, Christopher Alan <Christopher.Francis@pfizer.com>; Bitzas, Gabrielle <Gabrielle.Bitzas@pfizer.com>; Jackobek, Ryan Andrew <Ryan.Jackobek@pfizer.com>; Kerns, Kelvin <Kelvin.Kerns@pfizer.com>
Subject: GeneData Error for new VSIG4 sequences

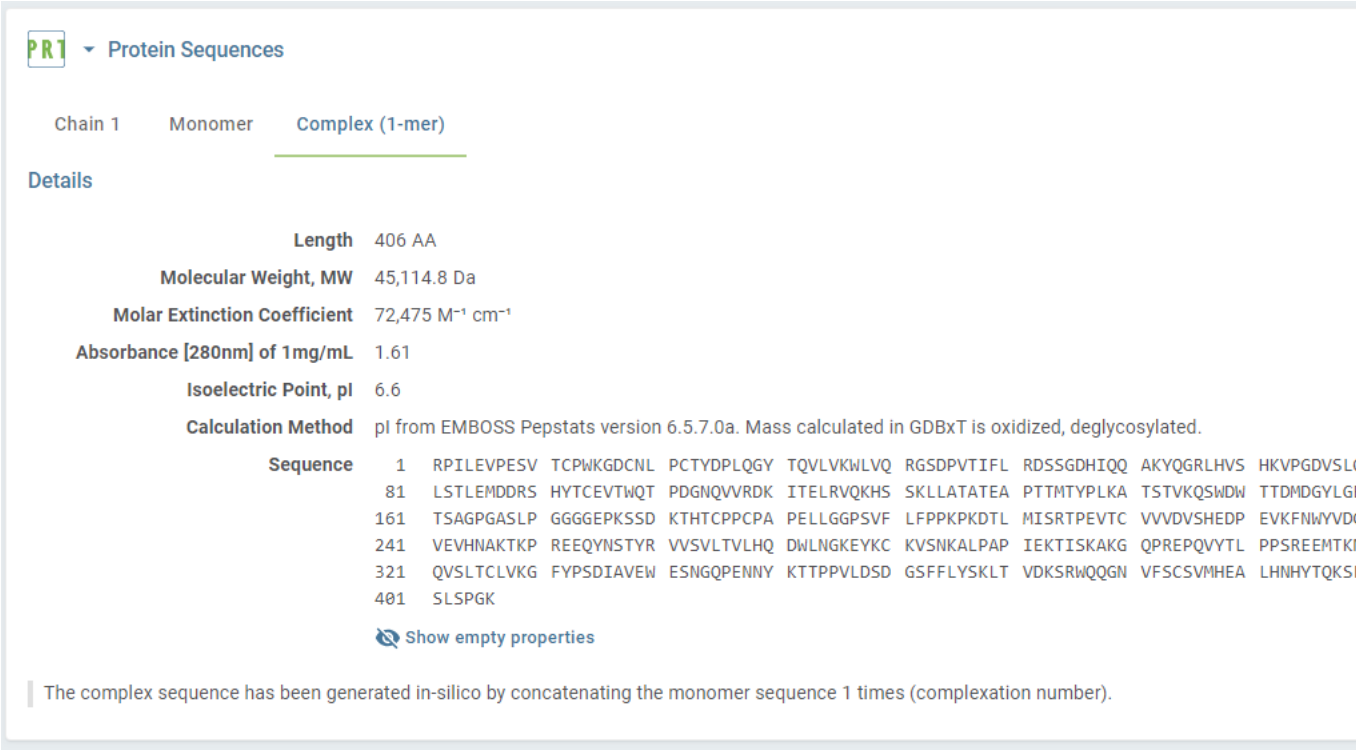
Hi expression,

For the new VSIG4 designs, in GeneData the complex says it is a 1-mer, and lists data for a 1-mer instead of a 2-mer (see example of 1044 below). Can this be fixed to

show that the complex is a 2-mer?

Thanks,
Chris

Target Product TPP-112645 (GBT-VSIG4-1044) (pfizer.com)



PRT ▾ Protein Sequences

Chain 1 | Monomer | Complex (1-mer)

Details

Length	406 AA
Molecular Weight, MW	45,114.8 Da
Molar Extinction Coefficient	72,475 M^{-1} cm^{-1}
Absorbance [280nm] of 1mg/mL	1.61
Isoelectric Point, pI	6.6
Calculation Method	pI from EMBOSS Pepstats version 6.5.7.0a. Mass calculated in GDBxT is oxidized, deglycosylated.

Sequence

```
  1  RPILEVPESV TCPWKGDCNL PCTYDPLQGY TQVLVKWLVQ RGSDPVTIFL RDSSGDHIQQ AKYQGRLHVS HKVPGDVSLQ
 81  LSTLEMDDRS HYTCEVTWQT PDGNQVVRDK ITELRVQKHS SKLLATATEA PTTMTYPLKA TSTVKQSWDW TTDMDGYLGE
161  TSAGPGASLP GGGGEPKSSD KTHTCPPCPA PELLGGPSVF LFPPKPKDTL MISRTPEVTC VVVDVSHEDP EVKFNWYVDG
241  VEVHNAKTKP REEQYNSTYR VVSVLTVLHQ DWLNGKEYKC KVSNKALPAP IEKTISKAKG QPREPQVYTL PPSREEMTKN
321  QVSLTCLVKG FYPSDIAVEW ESNGQPENNY KTTPPVLDSD GSFFLYSKLT VDKSRWQQGN VFSCSVMHEA LHNHYTQKSL
401  SLSPGK
```

Show empty properties

The complex sequence has been generated in-silico by concatenating the monomer sequence 1 times (complexation number).

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Senior Scientist

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