Pham 6710

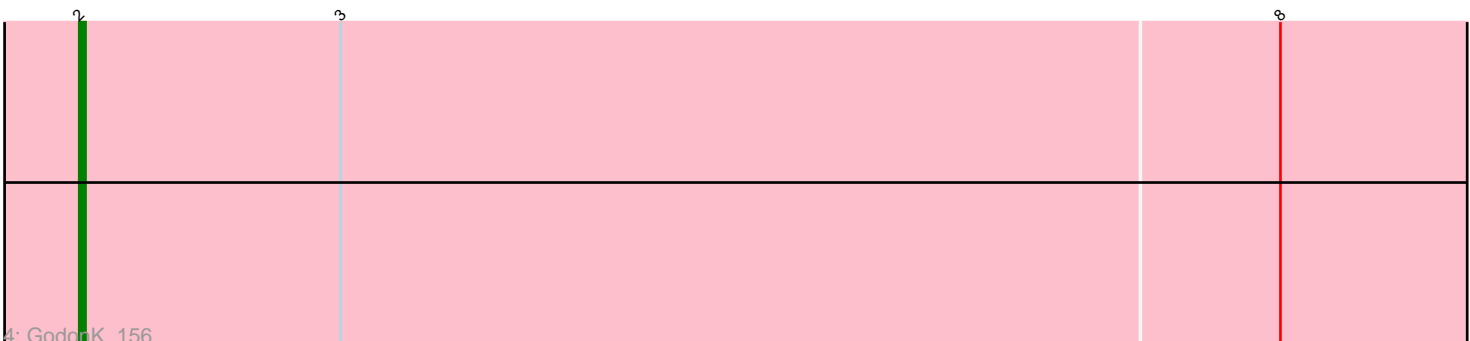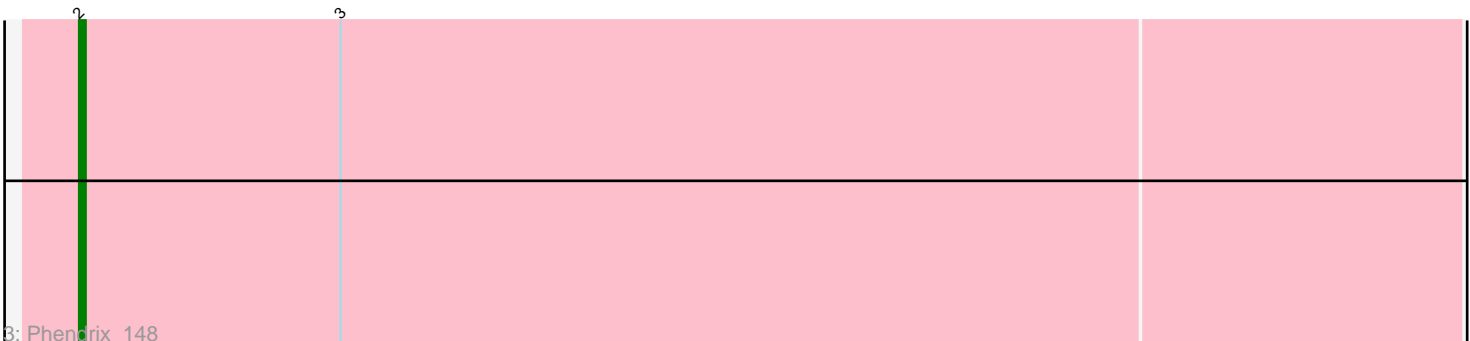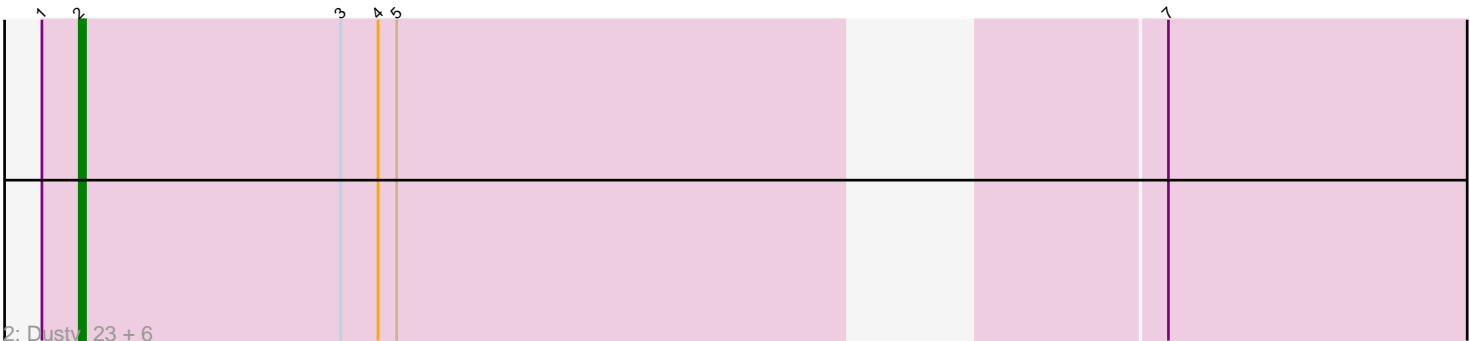

1: Francesca_151

2: Dusty_23 + 6

3: Phendrix_148

4: GodonK_156

Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 6710 Report

This analysis was run 04/28/24 on database version 559.

Pham number 6710 has 10 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Francesca_151
• Track 2 : Dusty_23, Abscondus_24, Toniann_25, Cucurbita_27, Culver_25, Engineer_26, OneUp_19
• Track 3 : Phendrix_148
• Track 4 : GodonK_156

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 2, it was called in 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abscondus_24, Cucurbita_27, Culver_25, Dusty_23, Engineer_26, Francesca_151, GodonK_156, OneUp_19, Phendrix_148, Toniann_25,

Genes that have the "Most Annotated" start but do not call it:
•

Genes that do not have the "Most Annotated" start:
•

Summary by start number:

Start 2:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 7 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abscondus_24 (CQ), Cucurbita_27 (CQ1), Culver_25 (CQ1), Dusty_23 (CQ), Engineer_26 (CQ1), Francesca_151 (CG), GodonK_156 (DK), OneUp_19 (CQ2), Phendrix_148 (DK), Toniann_25 (CQ1),

Summary by clusters:

There are 5 clusters represented in this pham: CQ2, CQ, CG, CQ1, DK,

Info for manual annotations of cluster CQ1:
•Start number 2 was manually annotated 4 times for cluster CQ1.

Info for manual annotations of cluster CQ2:
•Start number 2 was manually annotated 1 time for cluster CQ2.

Info for manual annotations of cluster DK:
•Start number 2 was manually annotated 2 times for cluster DK.

Gene Information:

Gene: Abscondus_24 Start: 6890, Stop: 7093, Start Num: 2
Candidate Starts for Abscondus_24:
(1, 6884), (Start: 2 @6890 has 7 MA's), (3, 6932), (4, 6938), (5, 6941), (7, 7043),

Gene: Cucurbita_27 Start: 8429, Stop: 8632, Start Num: 2
Candidate Starts for Cucurbita_27:
(1, 8423), (Start: 2 @8429 has 7 MA's), (3, 8471), (4, 8477), (5, 8480), (7, 8582),

Gene: Culver_25 Start: 6890, Stop: 7093, Start Num: 2
Candidate Starts for Culver_25:
(1, 6884), (Start: 2 @6890 has 7 MA's), (3, 6932), (4, 6938), (5, 6941), (7, 7043),

Gene: Dusty_23 Start: 6890, Stop: 7093, Start Num: 2
Candidate Starts for Dusty_23:
(1, 6884), (Start: 2 @6890 has 7 MA's), (3, 6932), (4, 6938), (5, 6941), (7, 7043),

Gene: Engineer_26 Start: 7088, Stop: 7291, Start Num: 2
Candidate Starts for Engineer_26:
(1, 7082), (Start: 2 @7088 has 7 MA's), (3, 7130), (4, 7136), (5, 7139), (7, 7241),

Gene: Francesca_151 Start: 89600, Stop: 89776, Start Num: 2
Candidate Starts for Francesca_151:
(Start: 2 @89600 has 7 MA's), (6, 89729),

Gene: GodonK_156 Start: 83317, Stop: 83087, Start Num: 2
Candidate Starts for GodonK_156:
(Start: 2 @83317 has 7 MA's), (3, 83275), (8, 83125),

Gene: OneUp_19 Start: 4987, Stop: 5196, Start Num: 2
Candidate Starts for OneUp_19:
(1, 4981), (Start: 2 @4987 has 7 MA's), (3, 5029), (4, 5035), (5, 5038), (7, 5140),

Gene: Phendrix_148 Start: 82800, Stop: 82573, Start Num: 2
Candidate Starts for Phendrix_148:
(Start: 2 @82800 has 7 MA's), (3, 82758),

Gene: Toniann_25 Start: 7088, Stop: 7291, Start Num: 2

Candidate Starts for Toniann_25:
(1, 7082), (Start: 2 @7088 has 7 MA's), (3, 7130), (4, 7136), (5, 7139), (7, 7241),