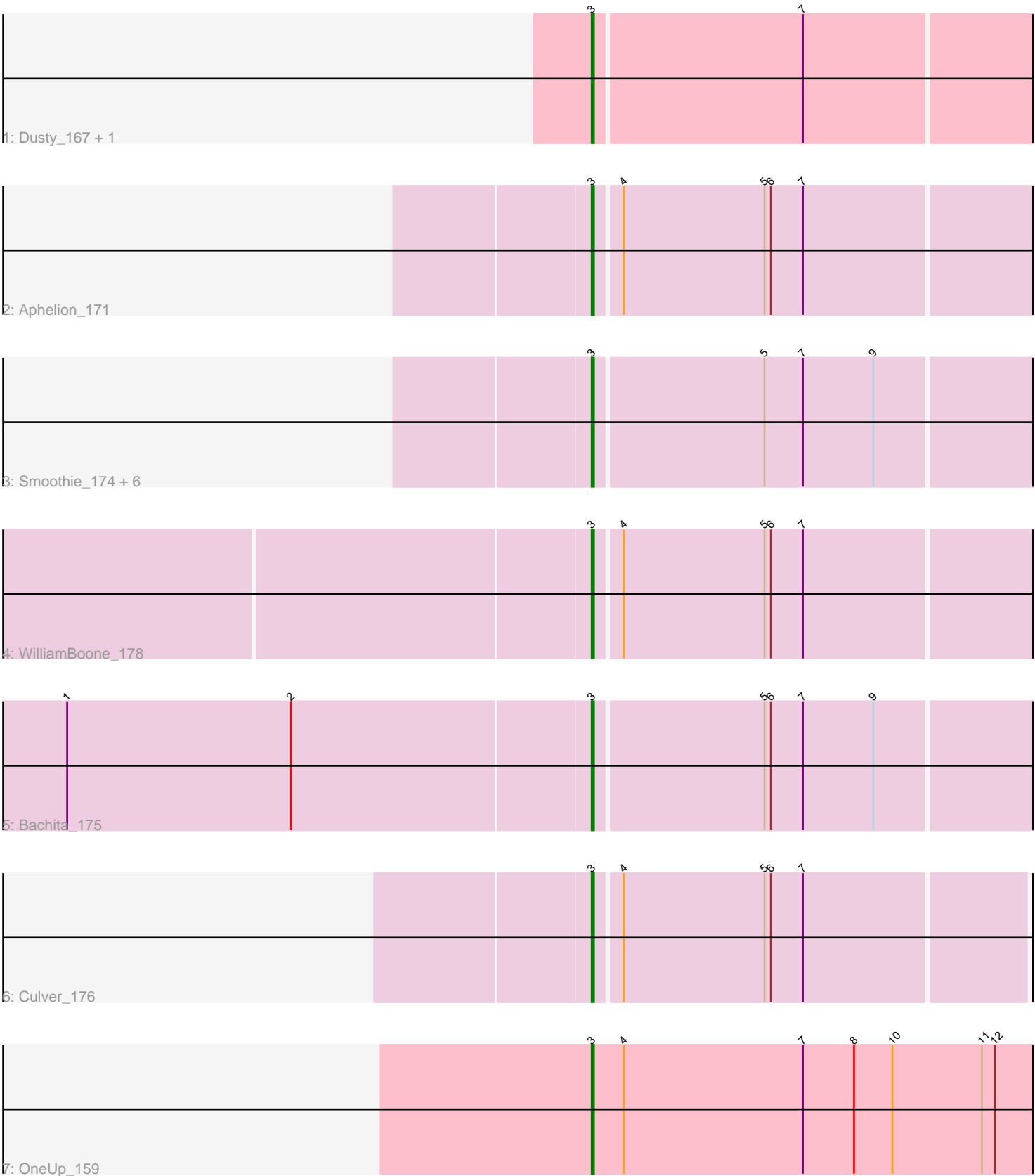


Pham 4840



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 4840 Report

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

Pham number 4840 has 14 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Dusty_167, Engineer_175
- Track 2 : Aphelion_171
- Track 3 : Smoothie_174, Toniann_173, Norvs_170, PhinkBoden_170, Lozinak_173, ClubL_173, Cucurbita_172
- Track 4 : WilliamBoone_178
- Track 5 : Bachita_175
- Track 6 : Culver_176
- Track 7 : OneUp_159

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

The start number called the most often in the published annotations is 3, it was called in 13 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aphelion_171, Bachita_175, ClubL_173, Cucurbita_172, Culver_176, Dusty_167, Engineer_175, Lozinak_173, Norvs_170, OneUp_159, PhinkBoden_170, Smoothie_174, Toniann_173, WilliamBoone_178,

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 3:

- Found in 14 of 14 (100.0%) of genes in pham
- Manual Annotations of this start: 13 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aphelion_171 (CQ1), Bachita_175 (CQ1), ClubL_173 (CQ1), Cucurbita_172 (CQ1), Culver_176 (CQ1), Dusty_167 (CQ), Engineer_175 (CQ1), Lozinak_173 (CQ1), Norvs_170 (CQ), OneUp_159 (CQ2),

PhinkBoden_170 (CQ1), Smoothie_174 (CQ1), Toniann_173 (CQ1), WilliamBoone_178 (CQ1),

Summary by clusters:

There are 3 clusters represented in this pham: CQ2, CQ1, CQ,

Info for manual annotations of cluster CQ:

- Start number 3 was manually annotated 1 time for cluster CQ.

Info for manual annotations of cluster CQ1:

- Start number 3 was manually annotated 11 times for cluster CQ1.

Info for manual annotations of cluster CQ2:

- Start number 3 was manually annotated 1 time for cluster CQ2.

Gene Information:

Gene: Aphelion_171 Start: 87732, Stop: 87532, Start Num: 3

Candidate Starts for Aphelion_171:

(Start: 3 @87732 has 13 MA's), (4, 87720), (5, 87654), (6, 87651), (7, 87636),

Gene: Bachita_175 Start: 87808, Stop: 87608, Start Num: 3

Candidate Starts for Bachita_175:

(1, 88051), (2, 87946), (Start: 3 @87808 has 13 MA's), (5, 87730), (6, 87727), (7, 87712), (9, 87679),

Gene: ClubL_173 Start: 87053, Stop: 86853, Start Num: 3

Candidate Starts for ClubL_173:

(Start: 3 @87053 has 13 MA's), (5, 86975), (7, 86957), (9, 86924),

Gene: Cucurbita_172 Start: 88114, Stop: 87914, Start Num: 3

Candidate Starts for Cucurbita_172:

(Start: 3 @88114 has 13 MA's), (5, 88036), (7, 88018), (9, 87985),

Gene: Culver_176 Start: 86784, Stop: 86587, Start Num: 3

Candidate Starts for Culver_176:

(Start: 3 @86784 has 13 MA's), (4, 86772), (5, 86706), (6, 86703), (7, 86688),

Gene: Dusty_167 Start: 86411, Stop: 86211, Start Num: 3

Candidate Starts for Dusty_167:

(Start: 3 @86411 has 13 MA's), (7, 86315),

Gene: Engineer_175 Start: 87762, Stop: 87562, Start Num: 3

Candidate Starts for Engineer_175:

(Start: 3 @87762 has 13 MA's), (7, 87666),

Gene: Lozinak_173 Start: 87657, Stop: 87457, Start Num: 3

Candidate Starts for Lozinak_173:

(Start: 3 @87657 has 13 MA's), (5, 87579), (7, 87561), (9, 87528),

Gene: Norvs_170 Start: 86833, Stop: 86633, Start Num: 3

Candidate Starts for Norvs_170:

(Start: 3 @86833 has 13 MA's), (5, 86755), (7, 86737), (9, 86704),

Gene: OneUp_159 Start: 87059, Stop: 86853, Start Num: 3

Candidate Starts for OneUp_159:

(Start: 3 @87059 has 13 MA's), (4, 87044), (7, 86960), (8, 86936), (10, 86918), (11, 86876), (12, 86870),

Gene: PhinkBoden_170 Start: 87231, Stop: 87031, Start Num: 3

Candidate Starts for PhinkBoden_170:

(Start: 3 @87231 has 13 MA's), (5, 87153), (7, 87135), (9, 87102),

Gene: Smoothie_174 Start: 87529, Stop: 87329, Start Num: 3

Candidate Starts for Smoothie_174:

(Start: 3 @87529 has 13 MA's), (5, 87451), (7, 87433), (9, 87400),

Gene: Toniann_173 Start: 86974, Stop: 86774, Start Num: 3

Candidate Starts for Toniann_173:

(Start: 3 @86974 has 13 MA's), (5, 86896), (7, 86878), (9, 86845),

Gene: WilliamBoone_178 Start: 86471, Stop: 86271, Start Num: 3

Candidate Starts for WilliamBoone_178:

(Start: 3 @86471 has 13 MA's), (4, 86459), (5, 86393), (6, 86390), (7, 86375),