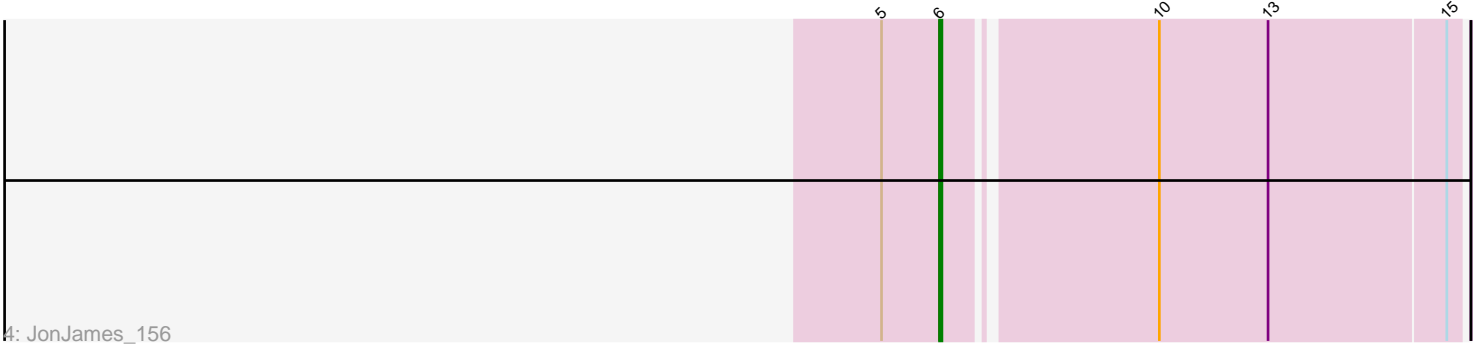
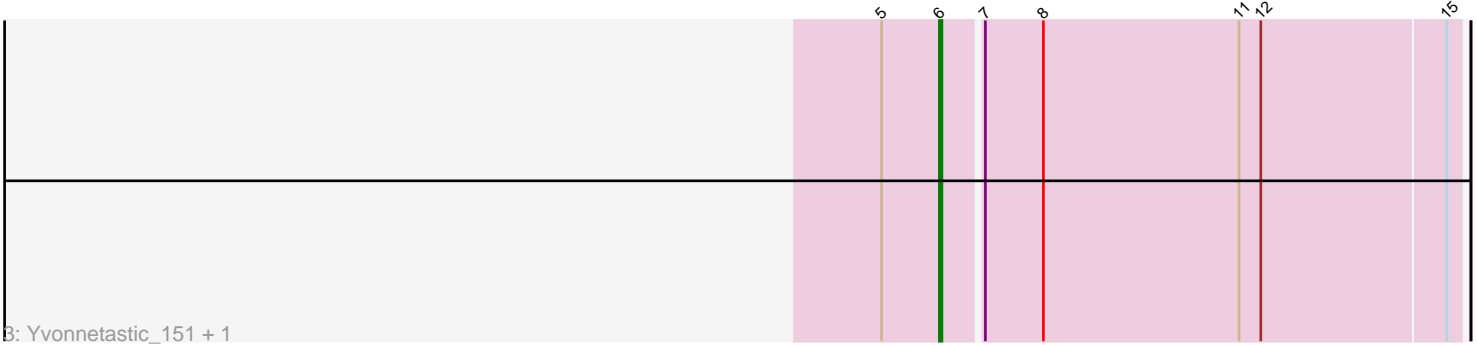


Pham 6784



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 6784 Report

This analysis was run 04/05/24 on database version 557.

Pham number 6784 has 9 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Aphelion_137, Culver_137, Norvs_136, Abscondus_137
- Track 2 : Smoothie_139, Lozinak_138
- Track 3 : Yvonnetastic_151, Cardigan_158
- Track 4 : JonJames_156

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

The start number called the most often in the published annotations is 7, it was called in 5 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abscondus_137, Aphelion_137, Culver_137, Lozinak_138, Norvs_136, Smoothie_139,

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

- Cardigan_158, Yvonnetastic_151,

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

- JonJames_156,

Summary by start number:

Start 6:

- Found in 3 of 9 (33.3%) of genes in pham
- Manual Annotations of this start: 2 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cardigan_158 (DD), JonJames_156 (DD), Yvonnetastic_151 (DD),

Start 7:

- Found in 8 of 9 (88.9%) of genes in pham
- Manual Annotations of this start: 5 of 7
- Called 75.0% of time when present

- Phage (with cluster) where this start called: Abscondus_137 (CQ), Aphelion_137 (CQ1), Culver_137 (CQ1), Lozinak_138 (CQ1), Norvs_136 (CQ), Smoothie_139 (CQ1),

Summary by clusters:

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

Info for manual annotations of cluster CQ:

- Start number 7 was manually annotated 1 time for cluster CQ.

Info for manual annotations of cluster CQ1:

- Start number 7 was manually annotated 4 times for cluster CQ1.

Info for manual annotations of cluster DD:

- Start number 6 was manually annotated 2 times for cluster DD.

Gene Information:

Gene: Abscondus_137 Start: 75832, Stop: 76032, Start Num: 7

Candidate Starts for Abscondus_137:

(1, 75457), (2, 75481), (3, 75595), (4, 75649), (Start: 7 @75832 has 5 MA's), (9, 75877), (14, 76012),

Gene: Aphelion_137 Start: 76704, Stop: 76904, Start Num: 7

Candidate Starts for Aphelion_137:

(1, 76329), (2, 76353), (3, 76467), (4, 76521), (Start: 7 @76704 has 5 MA's), (9, 76749), (14, 76884),

Gene: Cardigan_158 Start: 85117, Stop: 85326, Start Num: 6

Candidate Starts for Cardigan_158:

(5, 85093), (Start: 6 @85117 has 2 MA's), (Start: 7 @85132 has 5 MA's), (8, 85156), (11, 85237), (12, 85246), (15, 85321),

Gene: Culver_137 Start: 75158, Stop: 75358, Start Num: 7

Candidate Starts for Culver_137:

(1, 74783), (2, 74807), (3, 74921), (4, 74975), (Start: 7 @75158 has 5 MA's), (9, 75203), (14, 75338),

Gene: JonJames_156 Start: 86263, Stop: 86466, Start Num: 6

Candidate Starts for JonJames_156:

(5, 86239), (Start: 6 @86263 has 2 MA's), (10, 86344), (13, 86389), (15, 86461),

Gene: Lozinak_138 Start: 76486, Stop: 76686, Start Num: 7

Candidate Starts for Lozinak_138:

(1, 76111), (2, 76135), (3, 76249), (4, 76303), (Start: 7 @76486 has 5 MA's), (9, 76531), (14, 76666),

Gene: Norvs_136 Start: 75880, Stop: 76080, Start Num: 7

Candidate Starts for Norvs_136:

(1, 75505), (2, 75529), (3, 75643), (4, 75697), (Start: 7 @75880 has 5 MA's), (9, 75925), (14, 76060),

Gene: Smoothie_139 Start: 76486, Stop: 76686, Start Num: 7

Candidate Starts for Smoothie_139:

(1, 76111), (2, 76135), (3, 76249), (4, 76303), (Start: 7 @76486 has 5 MA's), (9, 76531), (14, 76666),

Gene: Yvonnetastic_151 Start: 82338, Stop: 82547, Start Num: 6

Candidate Starts for Yvonnetastic_151:

(5, 82314), (Start: 6 @82338 has 2 MA's), (Start: 7 @82353 has 5 MA's), (8, 82377), (11, 82458), (12, 82467), (15, 82542),