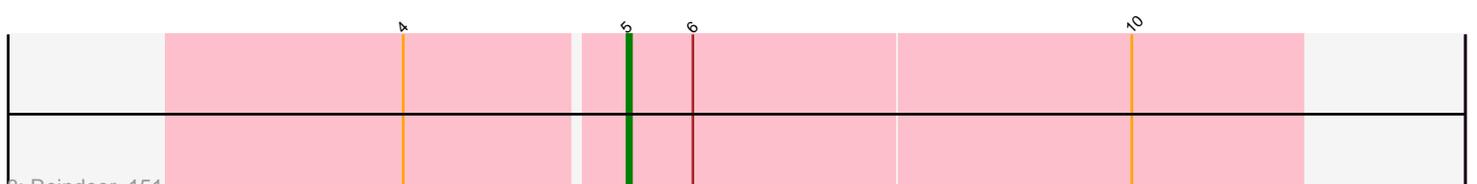
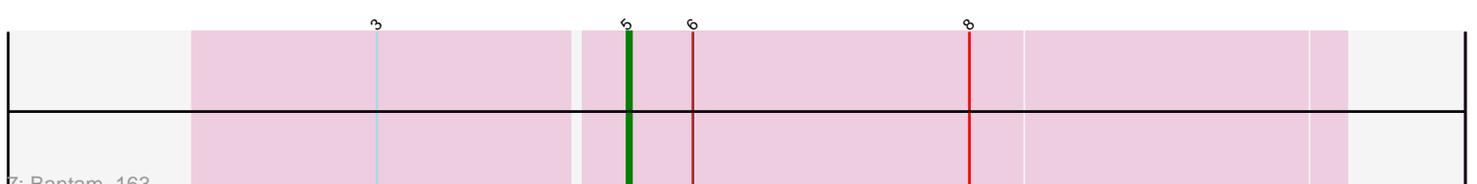
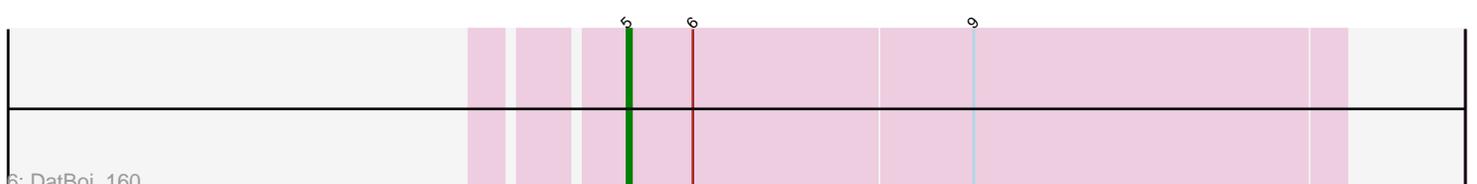
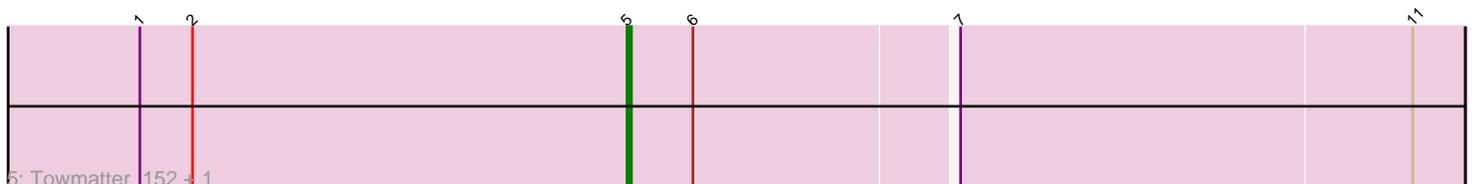
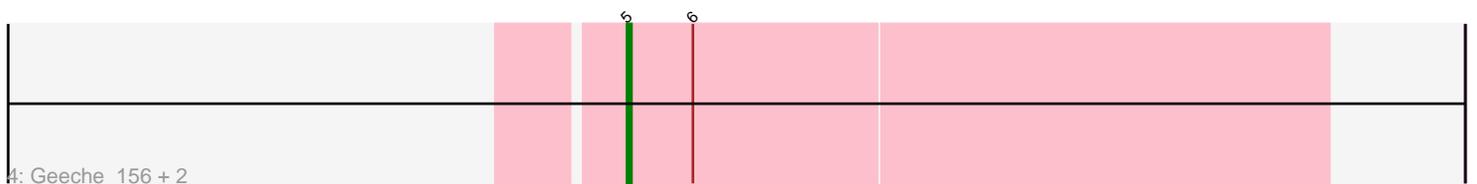
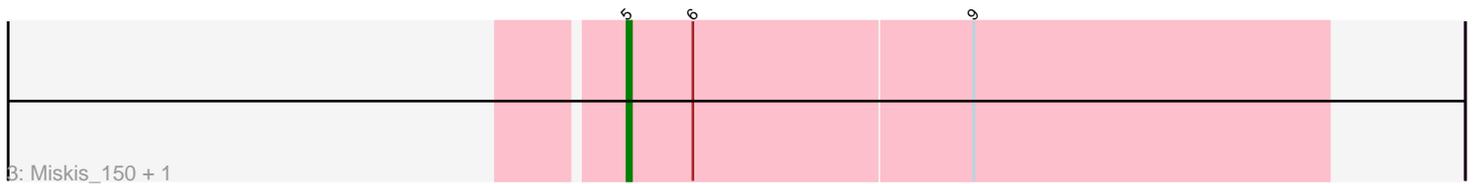
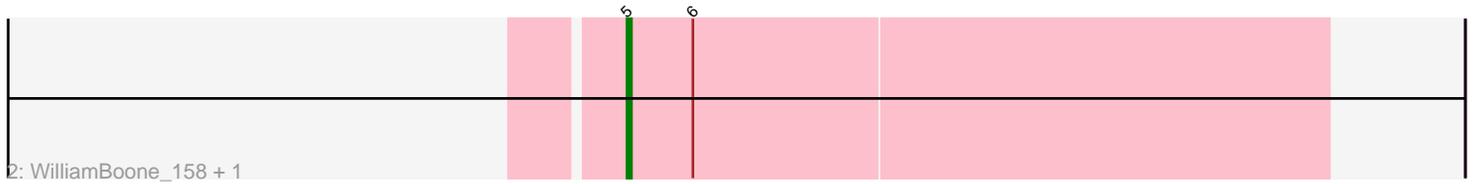
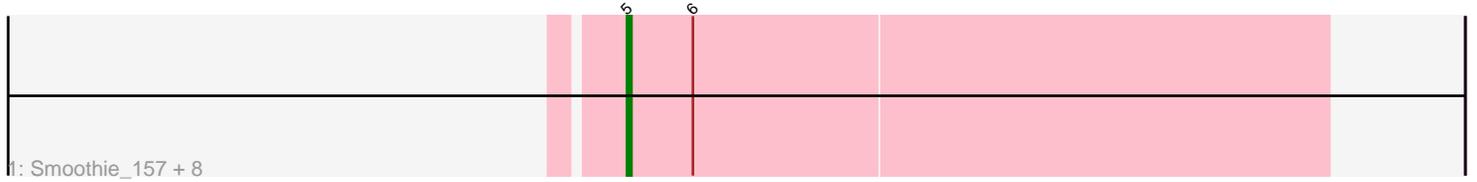


Pham 289772



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 289772 Report

This analysis was run 03/28/26 on database version 641.

Pham number 289772 has 21 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Smoothie_157, Norvs_154, Abscondus_154, ClubL_157, Bachita_159, PhinkBoden_154, Lozinak_156, Cucurbita_155, Toniann_156
- Track 2 : WilliamBoone_158, Culver_156
- Track 3 : Miskis_150, Aphelion_156
- Track 4 : Geeche_156, Dusty_154, Engineer_158
- Track 5 : Towmatter_152, Daredevil_154
- Track 6 : DatBoi_160
- Track 7 : Bantam_163
- Track 8 : Reindeer_151

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

The start number called the most often in the published annotations is 5, it was called in 20 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abscondus_154, Aphelion_156, Bachita_159, Bantam_163, ClubL_157, Cucurbita_155, Culver_156, Daredevil_154, DatBoi_160, Dusty_154, Engineer_158, Geeche_156, Lozinak_156, Miskis_150, Norvs_154, PhinkBoden_154, Reindeer_151, Smoothie_157, Toniann_156, Towmatter_152, WilliamBoone_158,

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 5:

- Found in 21 of 21 (100.0%) of genes in pham
- Manual Annotations of this start: 20 of 20
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Abscondus_154 (CQ1), Aphelion_156 (CQ1), Bachita_159 (CQ1), Bantam_163 (DL), ClubL_157 (CQ1), Cucurbita_155 (CQ1), Culver_156 (CQ1), Daredevil_154 (DL), DatBoi_160 (DL), Dusty_154 (CQ1), Engineer_158 (CQ1), Geeche_156 (CQ1), Lozinak_156 (CQ1), Miskis_150 (CQ1), Norvs_154 (CQ1), PhinkBoden_154 (CQ1), Reindeer_151 (M1), Smoothie_157 (CQ1), Toniann_156 (CQ1), Towmatter_152 (DL), WilliamBoone_158 (CQ1),

Summary by clusters:

There are 3 clusters represented in this pham: CQ1, M1, DL,

Info for manual annotations of cluster CQ1:

- Start number 5 was manually annotated 15 times for cluster CQ1.

Info for manual annotations of cluster DL:

- Start number 5 was manually annotated 4 times for cluster DL.

Info for manual annotations of cluster M1:

- Start number 5 was manually annotated 1 time for cluster M1.

Gene Information:

Gene: Abscondus_154 Start: 82793, Stop: 82635, Start Num: 5

Candidate Starts for Abscondus_154:

(Start: 5 @82793 has 20 MA's), (6, 82778),

Gene: Aphelion_156 Start: 83954, Stop: 83796, Start Num: 5

Candidate Starts for Aphelion_156:

(Start: 5 @83954 has 20 MA's), (6, 83939), (9, 83876),

Gene: Bachita_159 Start: 83833, Stop: 83675, Start Num: 5

Candidate Starts for Bachita_159:

(Start: 5 @83833 has 20 MA's), (6, 83818),

Gene: Bantam_163 Start: 88026, Stop: 87865, Start Num: 5

Candidate Starts for Bantam_163:

(3, 88080), (Start: 5 @88026 has 20 MA's), (6, 88011), (8, 87948),

Gene: ClubL_157 Start: 83085, Stop: 82927, Start Num: 5

Candidate Starts for ClubL_157:

(Start: 5 @83085 has 20 MA's), (6, 83070),

Gene: Cucurbita_155 Start: 84146, Stop: 83988, Start Num: 5

Candidate Starts for Cucurbita_155:

(Start: 5 @84146 has 20 MA's), (6, 84131),

Gene: Culver_156 Start: 82350, Stop: 82192, Start Num: 5

Candidate Starts for Culver_156:

(Start: 5 @82350 has 20 MA's), (6, 82335),

Gene: Daredevil_154 Start: 84151, Stop: 83966, Start Num: 5

Candidate Starts for Daredevil_154:
(1, 84262), (2, 84250), (Start: 5 @84151 has 20 MA's), (6, 84136), (7, 84079), (11, 83977),

Gene: DatBoi_160 Start: 87295, Stop: 87134, Start Num: 5
Candidate Starts for DatBoi_160:
(Start: 5 @87295 has 20 MA's), (6, 87280), (9, 87217),

Gene: Dusty_154 Start: 82822, Stop: 82664, Start Num: 5
Candidate Starts for Dusty_154:
(Start: 5 @82822 has 20 MA's), (6, 82807),

Gene: Engineer_158 Start: 83672, Stop: 83514, Start Num: 5
Candidate Starts for Engineer_158:
(Start: 5 @83672 has 20 MA's), (6, 83657),

Gene: Geeche_156 Start: 83046, Stop: 82888, Start Num: 5
Candidate Starts for Geeche_156:
(Start: 5 @83046 has 20 MA's), (6, 83031),

Gene: Lozinak_156 Start: 83674, Stop: 83516, Start Num: 5
Candidate Starts for Lozinak_156:
(Start: 5 @83674 has 20 MA's), (6, 83659),

Gene: Miskis_150 Start: 82703, Stop: 82545, Start Num: 5
Candidate Starts for Miskis_150:
(Start: 5 @82703 has 20 MA's), (6, 82688), (9, 82625),

Gene: Norvs_154 Start: 82865, Stop: 82707, Start Num: 5
Candidate Starts for Norvs_154:
(Start: 5 @82865 has 20 MA's), (6, 82850),

Gene: PhinkBoden_154 Start: 83263, Stop: 83105, Start Num: 5
Candidate Starts for PhinkBoden_154:
(Start: 5 @83263 has 20 MA's), (6, 83248),

Gene: Reindeer_151 Start: 77820, Stop: 77668, Start Num: 5
Candidate Starts for Reindeer_151:
(4, 77868), (Start: 5 @77820 has 20 MA's), (6, 77805), (10, 77706),

Gene: Smoothie_157 Start: 83364, Stop: 83206, Start Num: 5
Candidate Starts for Smoothie_157:
(Start: 5 @83364 has 20 MA's), (6, 83349),

Gene: Toniann_156 Start: 83006, Stop: 82848, Start Num: 5
Candidate Starts for Toniann_156:
(Start: 5 @83006 has 20 MA's), (6, 82991),

Gene: Towmatter_152 Start: 84333, Stop: 84148, Start Num: 5
Candidate Starts for Towmatter_152:
(1, 84444), (2, 84432), (Start: 5 @84333 has 20 MA's), (6, 84318), (7, 84261), (11, 84159),

Gene: WilliamBoone_158 Start: 81466, Stop: 81308, Start Num: 5
Candidate Starts for WilliamBoone_158:

(Start: 5 @81466 has 20 MA's), (6, 81451),