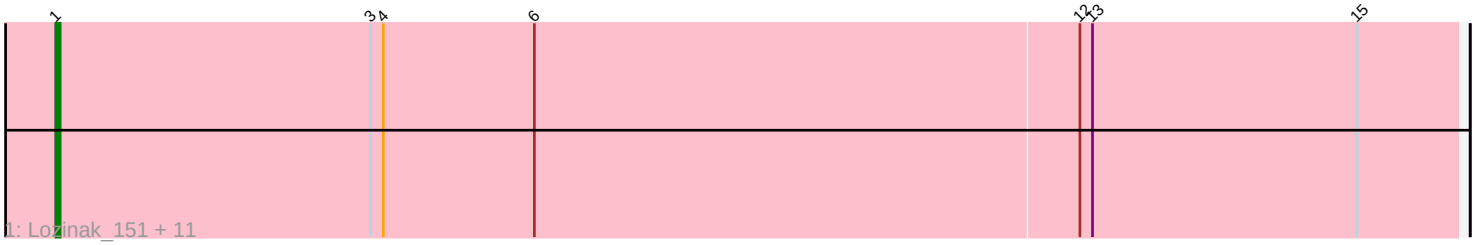
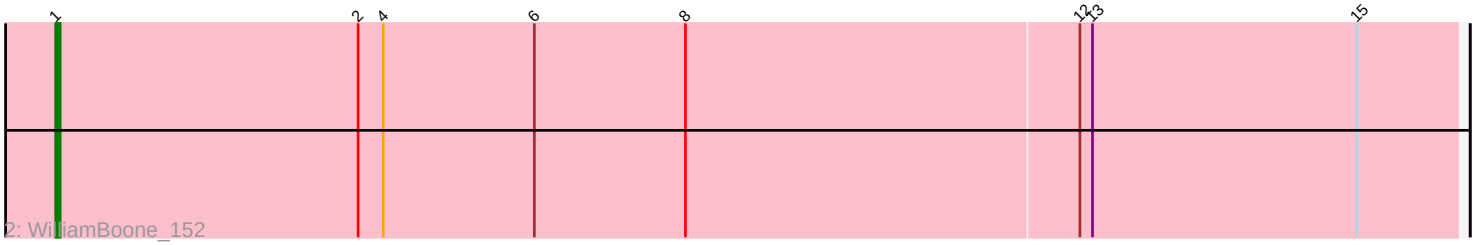
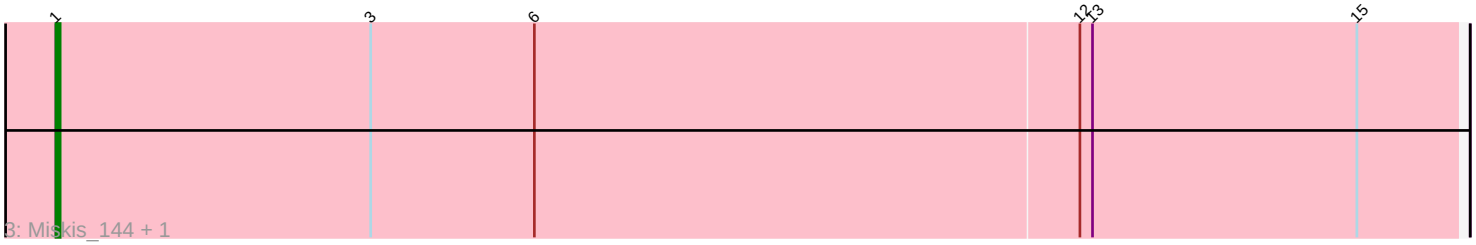
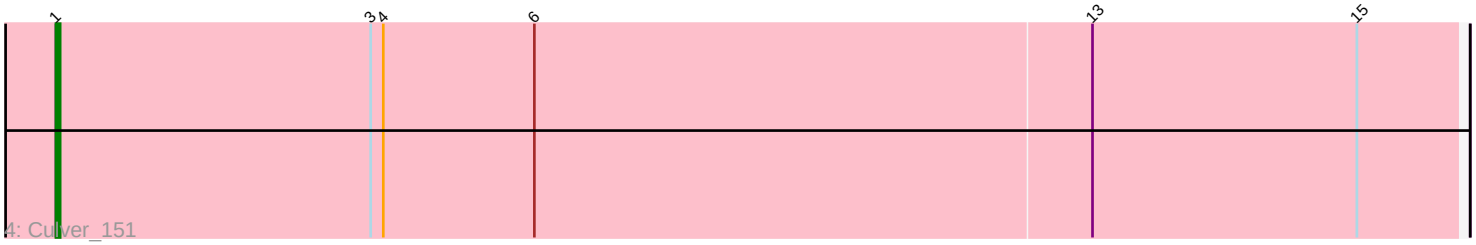
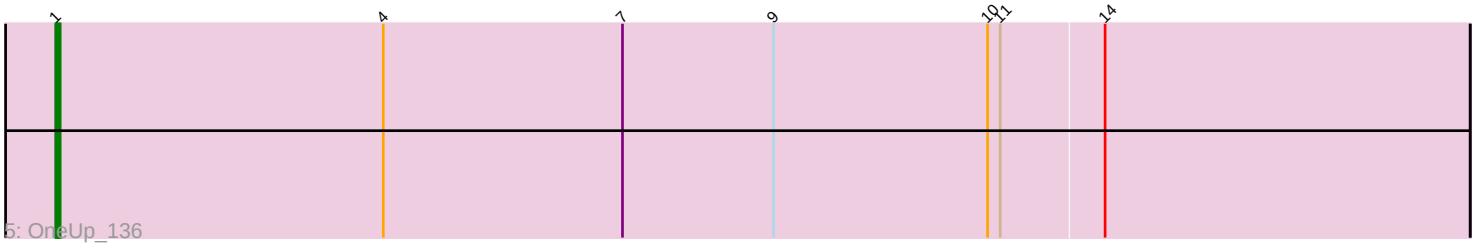
Pham 346214

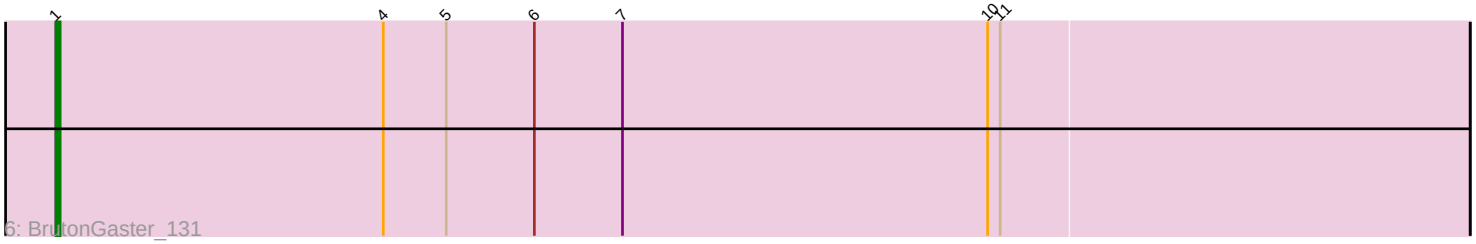

1
3
4
6
12
13
15
1: Lozinak_151 + 11


1
2
4
6
8
12
13
15
2: WilliamBoone_152


1
3
6
12
13
15
3: Miskis_144 + 1


1
3
4
6
13
15
4: Culver_151


1
4
7
9
10
11
14
5: OneUp_136


1
4
5
6
7
10
11
6: BruntonGaster_131

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 346214 Report

This analysis was run 11/14/26 on database version 672.

Pham number 346214 has 18 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Lozinak_151, Bachita_154, Geeche_151, Norvs_149, Abscondus_149, ClubL_152, Smoothie_152, Dusty_148, Engineer_153, PhinkBoden_149, Cucurbita_150, Toniann_151
• Track 2 : WilliamBoone_152
• Track 3 : Miskis_144, Aphelion_150
• Track 4 : Culver_151
• Track 5 : OneUp_136
• Track 6 : BrutonGaster_131

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

The start number called the most often in the published annotations is 1, it was called in 17 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abscondus_149, Aphelion_150, Bachita_154, BrutonGaster_131, ClubL_152, Cucurbita_150, Culver_151, Dusty_148, Engineer_153, Geeche_151, Lozinak_151, Miskis_144, Norvs_149, OneUp_136, PhinkBoden_149, Smoothie_152, Toniann_151, WilliamBoone_152,

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 1:
• Found in 18 of 18 (100.0%) of genes in pham
• Manual Annotations of this start: 17 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abscondus_149 (CQ1), Aphelion_150 (CQ1), Bachita_154 (CQ1), BrutonGaster_131 (CQ2), ClubL_152 (CQ1),

Cucurbita_150 (CQ1), Culver_151 (CQ1), Dusty_148 (CQ1), Engineer_153 (CQ1), Geeche_151 (CQ1), Lozinak_151 (CQ1), Miskis_144 (CQ1), Norvs_149 (CQ1), OneUp_136 (CQ2), PhinkBoden_149 (CQ1), Smoothie_152 (CQ1), Toniann_151 (CQ1), WilliamBoone_152 (CQ1),

Summary by clusters:

There are 2 clusters represented in this pham: CQ2, CQ1,

Info for manual annotations of cluster CQ1:
•Start number 1 was manually annotated 15 times for cluster CQ1.

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

Gene Information:

Gene: Abscondus_149 Start: 81381, Stop: 81049, Start Num: 1
Candidate Starts for Abscondus_149:
(Start: 1 @81381 has 17 MA's), (3, 81306), (4, 81303), (6, 81267), (12, 81138), (13, 81135), (15, 81072),

Gene: Aphelion_150 Start: 82274, Stop: 81942, Start Num: 1
Candidate Starts for Aphelion_150:
(Start: 1 @82274 has 17 MA's), (3, 82199), (6, 82160), (12, 82031), (13, 82028), (15, 81965),

Gene: Bachita_154 Start: 82421, Stop: 82089, Start Num: 1
Candidate Starts for Bachita_154:
(Start: 1 @82421 has 17 MA's), (3, 82346), (4, 82343), (6, 82307), (12, 82178), (13, 82175), (15, 82112),

Gene: BrutonGaster_131 Start: 77597, Stop: 77262, Start Num: 1
Candidate Starts for BrutonGaster_131:
(Start: 1 @77597 has 17 MA's), (4, 77519), (5, 77504), (6, 77483), (7, 77462), (10, 77375), (11, 77372),

Gene: ClubL_152 Start: 81673, Stop: 81341, Start Num: 1
Candidate Starts for ClubL_152:
(Start: 1 @81673 has 17 MA's), (3, 81598), (4, 81595), (6, 81559), (12, 81430), (13, 81427), (15, 81364),

Gene: Cucurbita_150 Start: 82734, Stop: 82402, Start Num: 1
Candidate Starts for Cucurbita_150:
(Start: 1 @82734 has 17 MA's), (3, 82659), (4, 82656), (6, 82620), (12, 82491), (13, 82488), (15, 82425),

Gene: Culver_151 Start: 80998, Stop: 80666, Start Num: 1
Candidate Starts for Culver_151:
(Start: 1 @80998 has 17 MA's), (3, 80923), (4, 80920), (6, 80884), (13, 80752), (15, 80689),

Gene: Dusty_148 Start: 81209, Stop: 80877, Start Num: 1
Candidate Starts for Dusty_148:

(Start: 1 @81209 has 17 MA's), (3, 81134), (4, 81131), (6, 81095), (12, 80966), (13, 80963), (15, 80900),

Gene: Engineer_153 Start: 82257, Stop: 81925, Start Num: 1
Candidate Starts for Engineer_153:
(Start: 1 @82257 has 17 MA's), (3, 82182), (4, 82179), (6, 82143), (12, 82014), (13, 82011), (15, 81948),

Gene: Geeche_151 Start: 81634, Stop: 81302, Start Num: 1
Candidate Starts for Geeche_151:
(Start: 1 @81634 has 17 MA's), (3, 81559), (4, 81556), (6, 81520), (12, 81391), (13, 81388), (15, 81325),

Gene: Lozinak_151 Start: 82262, Stop: 81930, Start Num: 1
Candidate Starts for Lozinak_151:
(Start: 1 @82262 has 17 MA's), (3, 82187), (4, 82184), (6, 82148), (12, 82019), (13, 82016), (15, 81953),

Gene: Miskis_144 Start: 81023, Stop: 80691, Start Num: 1
Candidate Starts for Miskis_144:
(Start: 1 @81023 has 17 MA's), (3, 80948), (6, 80909), (12, 80780), (13, 80777), (15, 80714),

Gene: Norvs_149 Start: 81453, Stop: 81121, Start Num: 1
Candidate Starts for Norvs_149:
(Start: 1 @81453 has 17 MA's), (3, 81378), (4, 81375), (6, 81339), (12, 81210), (13, 81207), (15, 81144),

Gene: OneUp_136 Start: 81006, Stop: 80671, Start Num: 1
Candidate Starts for OneUp_136:
(Start: 1 @81006 has 17 MA's), (4, 80928), (7, 80871), (9, 80835), (10, 80784), (11, 80781), (14, 80757),

Gene: PhinkBoden_149 Start: 81851, Stop: 81519, Start Num: 1
Candidate Starts for PhinkBoden_149:
(Start: 1 @81851 has 17 MA's), (3, 81776), (4, 81773), (6, 81737), (12, 81608), (13, 81605), (15, 81542),

Gene: Smoothie_152 Start: 81838, Stop: 81506, Start Num: 1
Candidate Starts for Smoothie_152:
(Start: 1 @81838 has 17 MA's), (3, 81763), (4, 81760), (6, 81724), (12, 81595), (13, 81592), (15, 81529),

Gene: Toniann_151 Start: 81594, Stop: 81262, Start Num: 1
Candidate Starts for Toniann_151:
(Start: 1 @81594 has 17 MA's), (3, 81519), (4, 81516), (6, 81480), (12, 81351), (13, 81348), (15, 81285),

Gene: WilliamBoone_152 Start: 79852, Stop: 79520, Start Num: 1
Candidate Starts for WilliamBoone_152:
(Start: 1 @79852 has 17 MA's), (2, 79780), (4, 79774), (6, 79738), (8, 79702), (12, 79609), (13, 79606), (15, 79543),