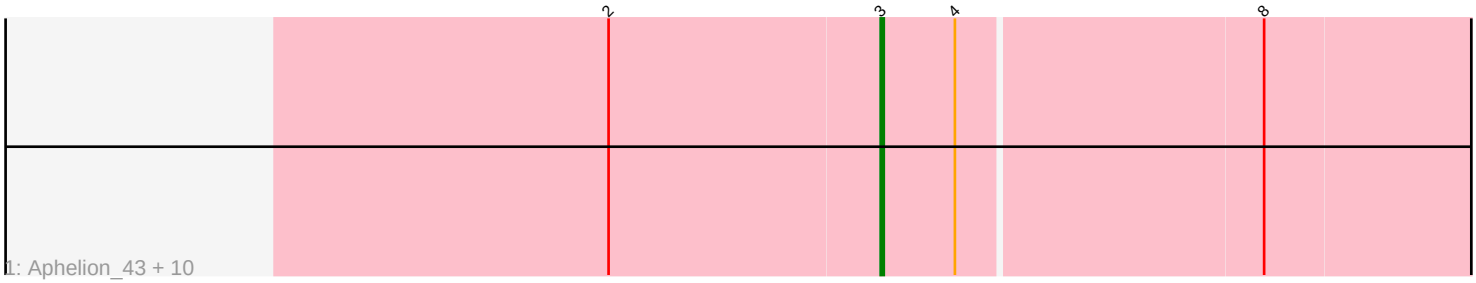
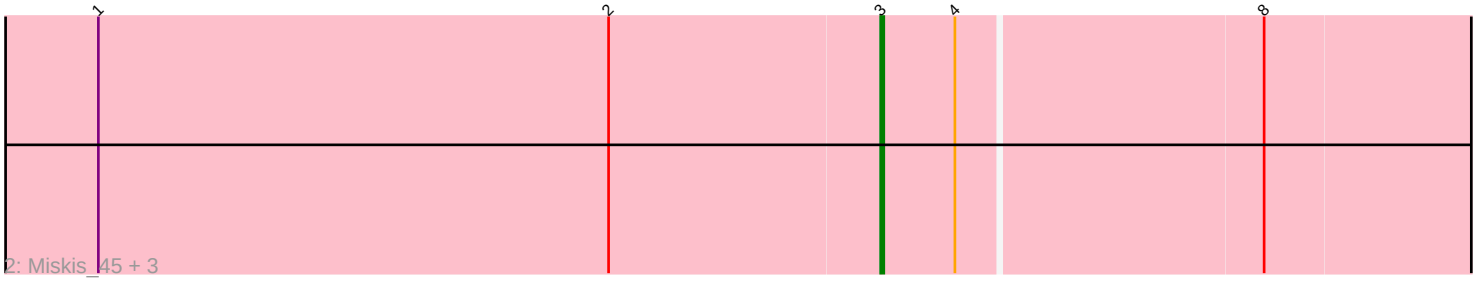
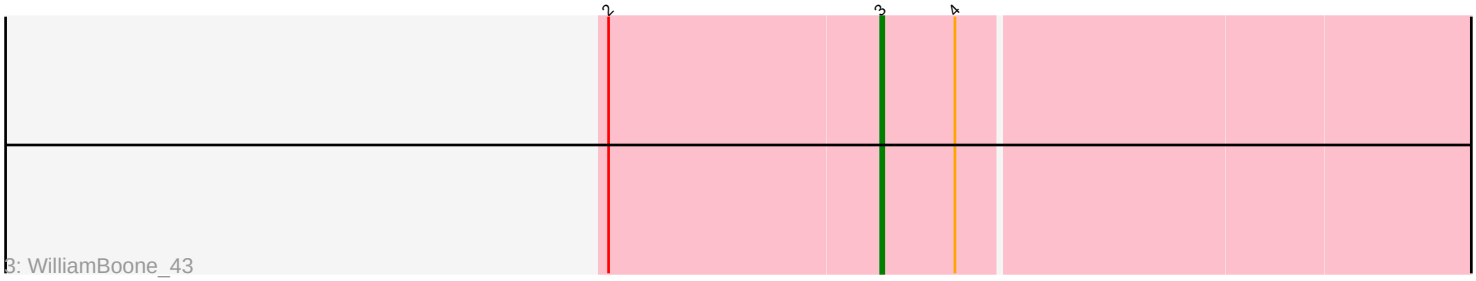
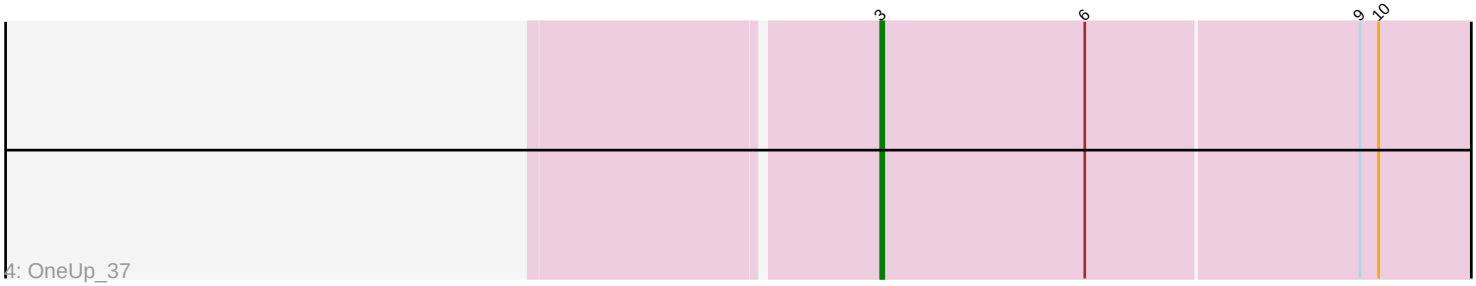
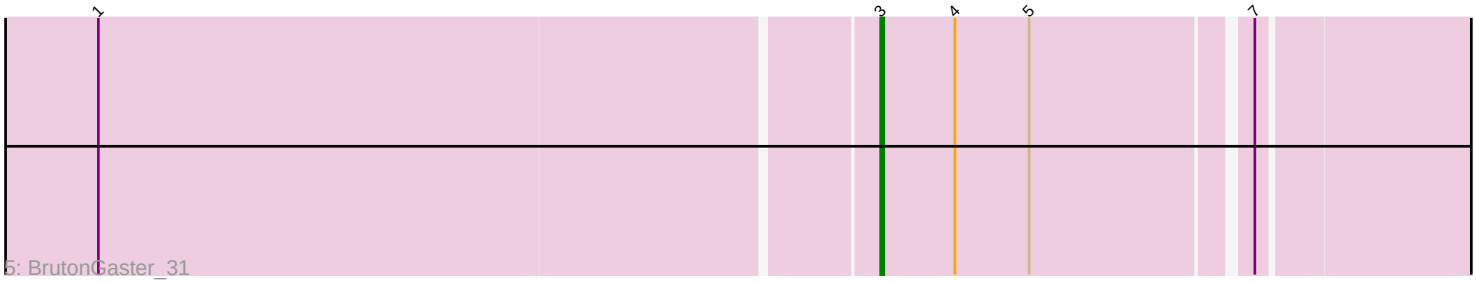
Pham 200651


2
3
4
8
1: Aphelion_43 + 10


1
2
3
4
8
2: Miskis_45 + 3


2
3
4
3: WilliamBoone_43


3
6
9
10
4: OneUp_37


1
3
4
5
7
5: BrutonCaster_31

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 200651 Report

This analysis was run 01/18/25 on database version 583.

Pham number 200651 has 18 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Aphelion_43, Smoothie_44, PhinkBoden_43, Cucurbita_45, ClubL_43, Bachita_45, Lozinak_43, Geeche_42, Toniann_43, Norvs_44, Engineer_44
• Track 2 : Miskis_45, Culver_43, Dusty_41, Abscondus_42
• Track 3 : WilliamBoone_43
• Track 4 : OneUp_37
• Track 5 : BrutonGaster_31

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 14 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abscondus_42, Aphelion_43, Bachita_45, BrutonGaster_31, ClubL_43, Cucurbita_45, Culver_43, Dusty_41, Engineer_44, Geeche_42, Lozinak_43, Miskis_45, Norvs_44, OneUp_37, PhinkBoden_43, Smoothie_44, Toniann_43, WilliamBoone_43,

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 18 of 18 (100.0%) of genes in pham
• Manual Annotations of this start: 14 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abscondus_42 (CQ1), Aphelion_43 (CQ1), Bachita_45 (CQ1), BrutonGaster_31 (CQ2), ClubL_43 (CQ1), Cucurbita_45 (CQ1), Culver_43 (CQ1), Dusty_41 (CQ1), Engineer_44 (CQ1), Geeche_42 (CQ1), Lozinak_43 (CQ1), Miskis_45 (CQ1), Norvs_44 (CQ1), OneUp_37 (CQ2),

PhinkBoden_43 (CQ1), Smoothie_44 (CQ1), Toniann_43 (CQ1), WilliamBoone_43 (CQ1),

Summary by clusters:

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

Info for manual annotations of cluster CQ1:
•Start number 3 was manually annotated 12 times for cluster CQ1.

Info for manual annotations of cluster CQ2:
•Start number 3 was manually annotated 2 times for cluster CQ2.

Gene Information:

Gene: Abscondus_42 Start: 18421, Stop: 18624, Start Num: 3
Candidate Starts for Abscondus_42:
(1, 18169), (2, 18334), (Start: 3 @18421 has 14 MA's), (4, 18445), (8, 18541),

Gene: Aphelion_43 Start: 18690, Stop: 18893, Start Num: 3
Candidate Starts for Aphelion_43:
(2, 18603), (Start: 3 @18690 has 14 MA's), (4, 18714), (8, 18810),

Gene: Bachita_45 Start: 19123, Stop: 19326, Start Num: 3
Candidate Starts for Bachita_45:
(2, 19036), (Start: 3 @19123 has 14 MA's), (4, 19147), (8, 19243),

Gene: BrutonGaster_31 Start: 15297, Stop: 15503, Start Num: 3
Candidate Starts for BrutonGaster_31:
(1, 15051), (Start: 3 @15297 has 14 MA's), (4, 15321), (5, 15345), (7, 15411),

Gene: ClubL_43 Start: 18612, Stop: 18815, Start Num: 3
Candidate Starts for ClubL_43:
(2, 18525), (Start: 3 @18612 has 14 MA's), (4, 18636), (8, 18732),

Gene: Cucurbita_45 Start: 19982, Stop: 20185, Start Num: 3
Candidate Starts for Cucurbita_45:
(2, 19895), (Start: 3 @19982 has 14 MA's), (4, 20006), (8, 20102),

Gene: Culver_43 Start: 18421, Stop: 18624, Start Num: 3
Candidate Starts for Culver_43:
(1, 18169), (2, 18334), (Start: 3 @18421 has 14 MA's), (4, 18445), (8, 18541),

Gene: Dusty_41 Start: 18421, Stop: 18624, Start Num: 3
Candidate Starts for Dusty_41:
(1, 18169), (2, 18334), (Start: 3 @18421 has 14 MA's), (4, 18445), (8, 18541),

Gene: Engineer_44 Start: 18638, Stop: 18841, Start Num: 3
Candidate Starts for Engineer_44:
(2, 18551), (Start: 3 @18638 has 14 MA's), (4, 18662), (8, 18758),

Gene: Geeche_42 Start: 18512, Stop: 18715, Start Num: 3
Candidate Starts for Geeche_42:
(2, 18425), (Start: 3 @18512 has 14 MA's), (4, 18536), (8, 18632),

Gene: Lozinak_43 Start: 18693, Stop: 18896, Start Num: 3
Candidate Starts for Lozinak_43:
(2, 18606), (Start: 3 @18693 has 14 MA's), (4, 18717), (8, 18813),

Gene: Miskis_45 Start: 18456, Stop: 18659, Start Num: 3
Candidate Starts for Miskis_45:
(1, 18204), (2, 18369), (Start: 3 @18456 has 14 MA's), (4, 18480), (8, 18576),

Gene: Norvs_44 Start: 18695, Stop: 18898, Start Num: 3
Candidate Starts for Norvs_44:
(2, 18608), (Start: 3 @18695 has 14 MA's), (4, 18719), (8, 18815),

Gene: OneUp_37 Start: 16387, Stop: 16605, Start Num: 3
Candidate Starts for OneUp_37:
(Start: 3 @16387 has 14 MA's), (6, 16453), (9, 16540), (10, 16546),

Gene: PhinkBoden_43 Start: 19076, Stop: 19279, Start Num: 3
Candidate Starts for PhinkBoden_43:
(2, 18989), (Start: 3 @19076 has 14 MA's), (4, 19100), (8, 19196),

Gene: Smoothie_44 Start: 18693, Stop: 18896, Start Num: 3
Candidate Starts for Smoothie_44:
(2, 18606), (Start: 3 @18693 has 14 MA's), (4, 18717), (8, 18813),

Gene: Toniann_43 Start: 18638, Stop: 18841, Start Num: 3
Candidate Starts for Toniann_43:
(2, 18551), (Start: 3 @18638 has 14 MA's), (4, 18662), (8, 18758),

Gene: WilliamBoone_43 Start: 18002, Stop: 18205, Start Num: 3
Candidate Starts for WilliamBoone_43:
(2, 17915), (Start: 3 @18002 has 14 MA's), (4, 18026),