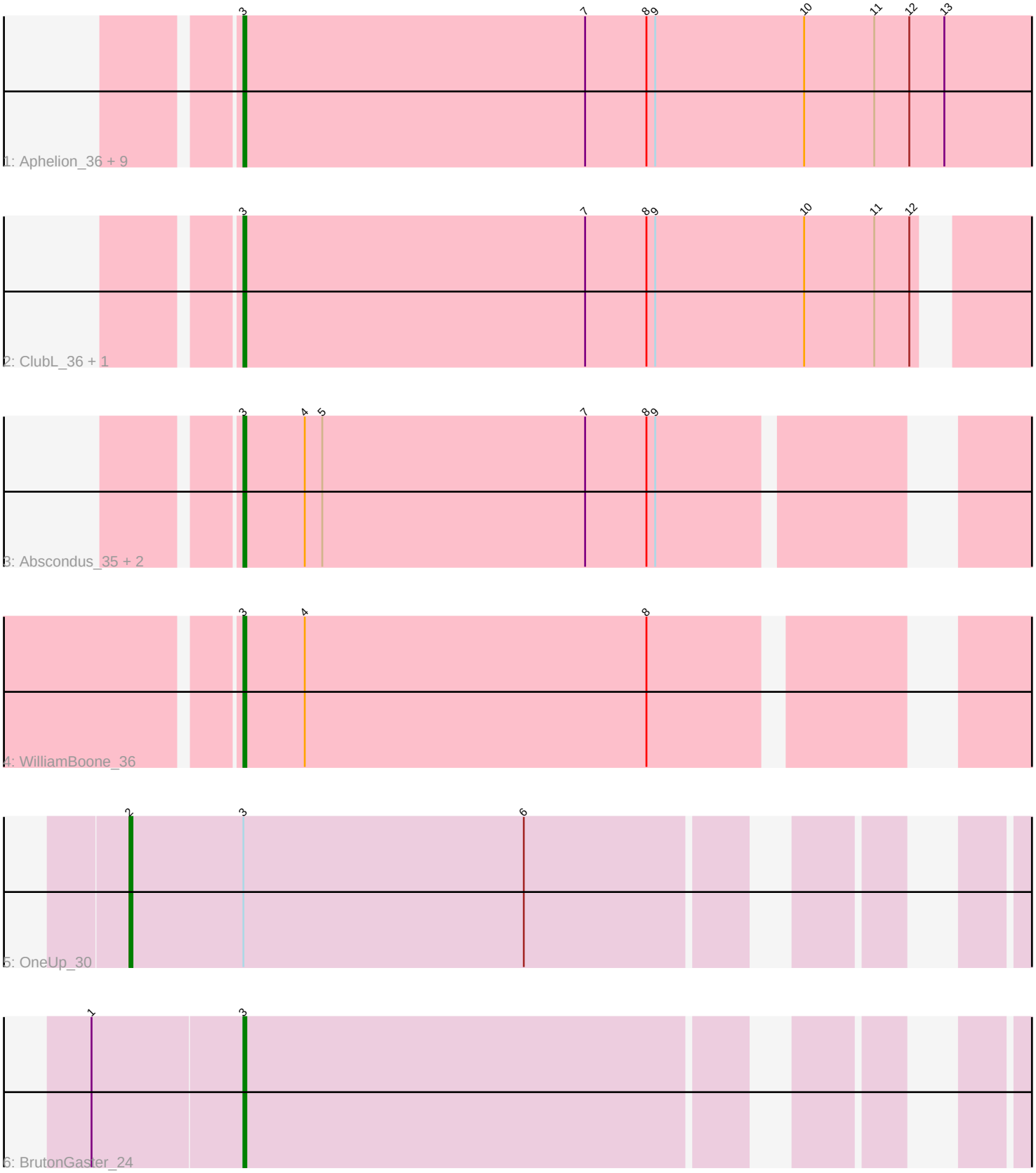
Pham 346223


3
7
8
9
10
11
12
13
1: Aphelion_36 + 9
3
7
8
9
10
11
12
2: ClubL_36 + 1
3
4
5
7
8
9
3: Abscondus_35 + 2
3
4
8
4: WilliamBoone_36
2
3
6
5: OneUp_30
1
3
6: BrutonGaster_24

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 346223 Report

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

Pham number 346223 has 18 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Aphelion_36, Lozinak_36, Bachita_38, Smoothie_37, Cucurbita_38, Toniann_36, PhinkBoden_36, Geeche_35, Norvs_37, Engineer_37
• Track 2 : ClubL_36, Miskis_34
• Track 3 : Abscondus_35, Dusty_35, Culver_36
• Track 4 : WilliamBoone_36
• Track 5 : OneUp_30
• Track 6 : BrutonGaster_24

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 16 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abscondus_35, Aphelion_36, Bachita_38, BrutonGaster_24, ClubL_36, Cucurbita_38, Culver_36, Dusty_35, Engineer_37, Geeche_35, Lozinak_36, Miskis_34, Norvs_37, PhinkBoden_36, Smoothie_37, Toniann_36, WilliamBoone_36,

Genes that have the "Most Annotated" start but do not call it:
• OneUp_30,

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

Summary by start number:

Start 2:
• Found in 1 of 18 (5.6%) of genes in pham
• Manual Annotations of this start: 1 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: OneUp_30 (CQ2),

Start 3:
• Found in 18 of 18 (100.0%) of genes in pham

• Manual Annotations of this start: 16 of 17
• Called 94.4% of time when present
• Phage (with cluster) where this start called: Abscondus_35 (CQ1), Aphelion_36 (CQ1), Bachita_38 (CQ1), BrutonGaster_24 (CQ2), ClubL_36 (CQ1), Cucurbita_38 (CQ1), Culver_36 (CQ1), Dusty_35 (CQ1), Engineer_37 (CQ1), Geeche_35 (CQ1), Lozinak_36 (CQ1), Miskis_34 (CQ1), Norvs_37 (CQ1), PhinkBoden_36 (CQ1), Smoothie_37 (CQ1), Toniann_36 (CQ1), WilliamBoone_36 (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 15 times for cluster CQ1.

Info for manual annotations of cluster CQ2:
•Start number 2 was manually annotated 1 time for cluster CQ2.
•Start number 3 was manually annotated 1 time for cluster CQ2.

Gene Information:

Gene: Abscondus_35 Start: 15180, Stop: 15494, Start Num: 3
Candidate Starts for Abscondus_35:
(Start: 3 @15180 has 16 MA's), (4, 15201), (5, 15207), (7, 15297), (8, 15318), (9, 15321),

Gene: Aphelion_36 Start: 15425, Stop: 15763, Start Num: 3
Candidate Starts for Aphelion_36:
(Start: 3 @15425 has 16 MA's), (7, 15542), (8, 15563), (9, 15566), (10, 15617), (11, 15641), (12, 15653), (13, 15665),

Gene: Bachita_38 Start: 15858, Stop: 16196, Start Num: 3
Candidate Starts for Bachita_38:
(Start: 3 @15858 has 16 MA's), (7, 15975), (8, 15996), (9, 15999), (10, 16050), (11, 16074), (12, 16086), (13, 16098),

Gene: BrutonGaster_24 Start: 12147, Stop: 12392, Start Num: 3
Candidate Starts for BrutonGaster_24:
(1, 12096), (Start: 3 @12147 has 16 MA's),

Gene: ClubL_36 Start: 15359, Stop: 15685, Start Num: 3
Candidate Starts for ClubL_36:
(Start: 3 @15359 has 16 MA's), (7, 15476), (8, 15497), (9, 15500), (10, 15551), (11, 15575), (12, 15587),

Gene: Cucurbita_38 Start: 16717, Stop: 17055, Start Num: 3
Candidate Starts for Cucurbita_38:
(Start: 3 @16717 has 16 MA's), (7, 16834), (8, 16855), (9, 16858), (10, 16909), (11, 16933), (12, 16945), (13, 16957),

Gene: Culver_36 Start: 15180, Stop: 15494, Start Num: 3
Candidate Starts for Culver_36:

(Start: 3 @15180 has 16 MA's), (4, 15201), (5, 15207), (7, 15297), (8, 15318), (9, 15321),

Gene: Dusty_35 Start: 15180, Stop: 15494, Start Num: 3
Candidate Starts for Dusty_35:
(Start: 3 @15180 has 16 MA's), (4, 15201), (5, 15207), (7, 15297), (8, 15318), (9, 15321),

Gene: Engineer_37 Start: 15373, Stop: 15711, Start Num: 3
Candidate Starts for Engineer_37:
(Start: 3 @15373 has 16 MA's), (7, 15490), (8, 15511), (9, 15514), (10, 15565), (11, 15589), (12, 15601), (13, 15613),

Gene: Geeche_35 Start: 15247, Stop: 15585, Start Num: 3
Candidate Starts for Geeche_35:
(Start: 3 @15247 has 16 MA's), (7, 15364), (8, 15385), (9, 15388), (10, 15439), (11, 15463), (12, 15475), (13, 15487),

Gene: Lozinak_36 Start: 15428, Stop: 15766, Start Num: 3
Candidate Starts for Lozinak_36:
(Start: 3 @15428 has 16 MA's), (7, 15545), (8, 15566), (9, 15569), (10, 15620), (11, 15644), (12, 15656), (13, 15668),

Gene: Miskis_34 Start: 15203, Stop: 15529, Start Num: 3
Candidate Starts for Miskis_34:
(Start: 3 @15203 has 16 MA's), (7, 15320), (8, 15341), (9, 15344), (10, 15395), (11, 15419), (12, 15431),

Gene: Norvs_37 Start: 15430, Stop: 15768, Start Num: 3
Candidate Starts for Norvs_37:
(Start: 3 @15430 has 16 MA's), (7, 15547), (8, 15568), (9, 15571), (10, 15622), (11, 15646), (12, 15658), (13, 15670),

Gene: OneUp_30 Start: 13194, Stop: 13478, Start Num: 2
Candidate Starts for OneUp_30:
(Start: 2 @13194 has 1 MA's), (Start: 3 @13233 has 16 MA's), (6, 13329),

Gene: PhinkBoden_36 Start: 15811, Stop: 16149, Start Num: 3
Candidate Starts for PhinkBoden_36:
(Start: 3 @15811 has 16 MA's), (7, 15928), (8, 15949), (9, 15952), (10, 16003), (11, 16027), (12, 16039), (13, 16051),

Gene: Smoothie_37 Start: 15428, Stop: 15766, Start Num: 3
Candidate Starts for Smoothie_37:
(Start: 3 @15428 has 16 MA's), (7, 15545), (8, 15566), (9, 15569), (10, 15620), (11, 15644), (12, 15656), (13, 15668),

Gene: Toniann_36 Start: 15373, Stop: 15711, Start Num: 3
Candidate Starts for Toniann_36:
(Start: 3 @15373 has 16 MA's), (7, 15490), (8, 15511), (9, 15514), (10, 15565), (11, 15589), (12, 15601), (13, 15613),

Gene: WilliamBoone_36 Start: 14761, Stop: 15075, Start Num: 3
Candidate Starts for WilliamBoone_36:
(Start: 3 @14761 has 16 MA's), (4, 14782), (8, 14899),