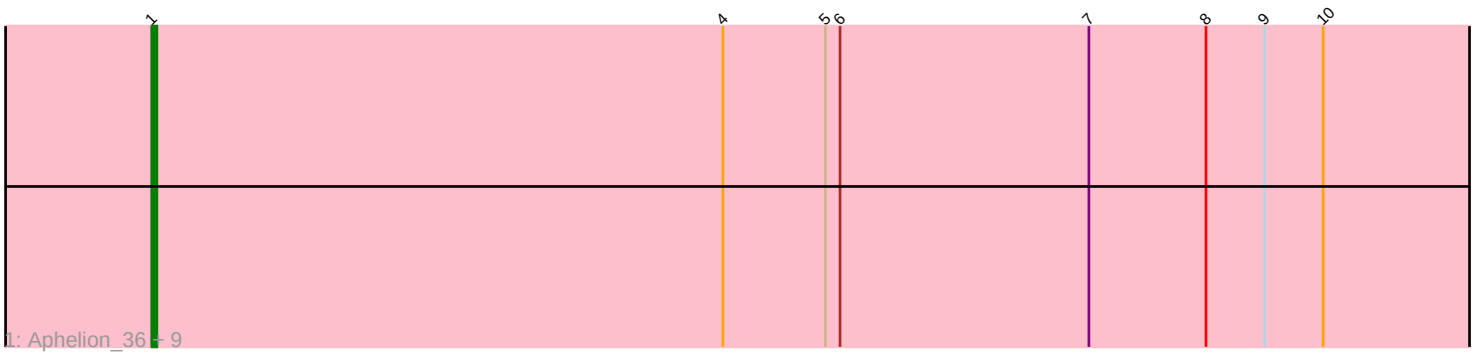
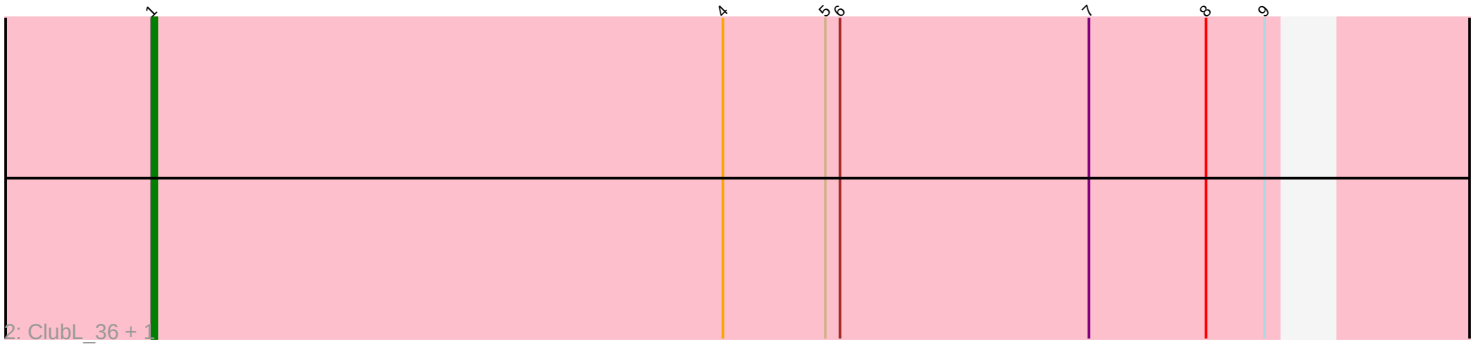
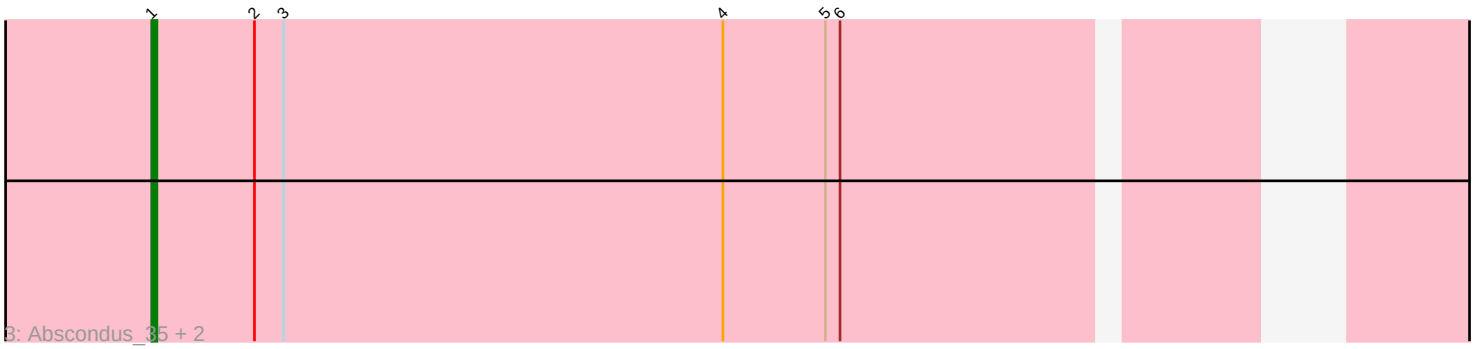
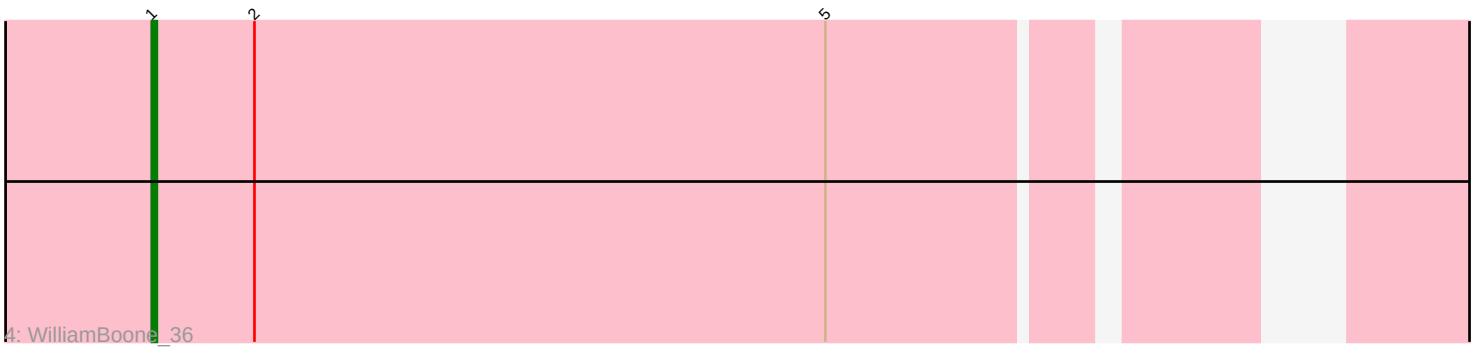
Pham 263596


1
4
5
6
7
8
9
10
1: Aphelion_36 + 9


1
4
5
6
7
8
9
2: ClubL_36 + 1


1
2
3
4
5
6
3: Abscondus_35 + 2


1
2
5
4: WilliamBoone_36

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 263596 Report

This analysis was run 02/07/26 on database version 634.

Pham number 263596 has 16 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

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 15 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abscondus_35, Aphelion_36, Bachita_38, 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:
•

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

Summary by start number:

Start 1:
• Found in 16 of 16 (100.0%) of genes in pham
• Manual Annotations of this start: 15 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abscondus_35 (CQ1), Aphelion_36 (CQ1), Bachita_38 (CQ1), 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 is one cluster represented in this pham: CQ1

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

Gene Information:

Gene: Abscondus_35 Start: 15180, Stop: 15494, Start Num: 1
Candidate Starts for Abscondus_35:
(Start: 1 @15180 has 15 MA's), (2, 15201), (3, 15207), (4, 15297), (5, 15318), (6, 15321),

Gene: Aphelion_36 Start: 15425, Stop: 15763, Start Num: 1
Candidate Starts for Aphelion_36:
(Start: 1 @15425 has 15 MA's), (4, 15542), (5, 15563), (6, 15566), (7, 15617), (8, 15641), (9, 15653), (10, 15665),

Gene: Bachita_38 Start: 15858, Stop: 16196, Start Num: 1
Candidate Starts for Bachita_38:
(Start: 1 @15858 has 15 MA's), (4, 15975), (5, 15996), (6, 15999), (7, 16050), (8, 16074), (9, 16086), (10, 16098),

Gene: ClubL_36 Start: 15359, Stop: 15685, Start Num: 1
Candidate Starts for ClubL_36:
(Start: 1 @15359 has 15 MA's), (4, 15476), (5, 15497), (6, 15500), (7, 15551), (8, 15575), (9, 15587),

Gene: Cucurbita_38 Start: 16717, Stop: 17055, Start Num: 1
Candidate Starts for Cucurbita_38:
(Start: 1 @16717 has 15 MA's), (4, 16834), (5, 16855), (6, 16858), (7, 16909), (8, 16933), (9, 16945), (10, 16957),

Gene: Culver_36 Start: 15180, Stop: 15494, Start Num: 1
Candidate Starts for Culver_36:
(Start: 1 @15180 has 15 MA's), (2, 15201), (3, 15207), (4, 15297), (5, 15318), (6, 15321),

Gene: Dusty_35 Start: 15180, Stop: 15494, Start Num: 1
Candidate Starts for Dusty_35:
(Start: 1 @15180 has 15 MA's), (2, 15201), (3, 15207), (4, 15297), (5, 15318), (6, 15321),

Gene: Engineer_37 Start: 15373, Stop: 15711, Start Num: 1
Candidate Starts for Engineer_37:
(Start: 1 @15373 has 15 MA's), (4, 15490), (5, 15511), (6, 15514), (7, 15565), (8, 15589), (9, 15601), (10, 15613),

Gene: Geeche_35 Start: 15247, Stop: 15585, Start Num: 1
Candidate Starts for Geeche_35:
(Start: 1 @15247 has 15 MA's), (4, 15364), (5, 15385), (6, 15388), (7, 15439), (8, 15463), (9, 15475), (10, 15487),

Gene: Lozinak_36 Start: 15428, Stop: 15766, Start Num: 1

Candidate Starts for Lozinak_36:
(Start: 1 @15428 has 15 MA's), (4, 15545), (5, 15566), (6, 15569), (7, 15620), (8, 15644), (9, 15656), (10, 15668),

Gene: Miskis_34 Start: 15203, Stop: 15529, Start Num: 1
Candidate Starts for Miskis_34:
(Start: 1 @15203 has 15 MA's), (4, 15320), (5, 15341), (6, 15344), (7, 15395), (8, 15419), (9, 15431),

Gene: Norvs_37 Start: 15430, Stop: 15768, Start Num: 1
Candidate Starts for Norvs_37:
(Start: 1 @15430 has 15 MA's), (4, 15547), (5, 15568), (6, 15571), (7, 15622), (8, 15646), (9, 15658), (10, 15670),

Gene: PhinkBoden_36 Start: 15811, Stop: 16149, Start Num: 1
Candidate Starts for PhinkBoden_36:
(Start: 1 @15811 has 15 MA's), (4, 15928), (5, 15949), (6, 15952), (7, 16003), (8, 16027), (9, 16039), (10, 16051),

Gene: Smoothie_37 Start: 15428, Stop: 15766, Start Num: 1
Candidate Starts for Smoothie_37:
(Start: 1 @15428 has 15 MA's), (4, 15545), (5, 15566), (6, 15569), (7, 15620), (8, 15644), (9, 15656), (10, 15668),

Gene: Toniann_36 Start: 15373, Stop: 15711, Start Num: 1
Candidate Starts for Toniann_36:
(Start: 1 @15373 has 15 MA's), (4, 15490), (5, 15511), (6, 15514), (7, 15565), (8, 15589), (9, 15601), (10, 15613),

Gene: WilliamBoone_36 Start: 14761, Stop: 15075, Start Num: 1
Candidate Starts for WilliamBoone_36:
(Start: 1 @14761 has 15 MA's), (2, 14782), (5, 14899),