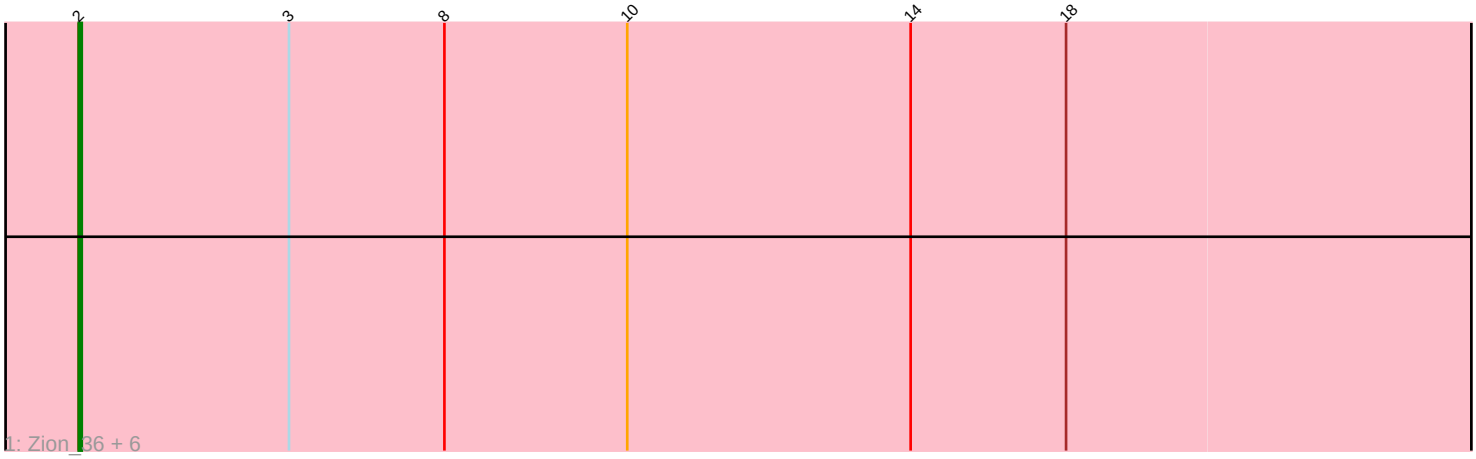
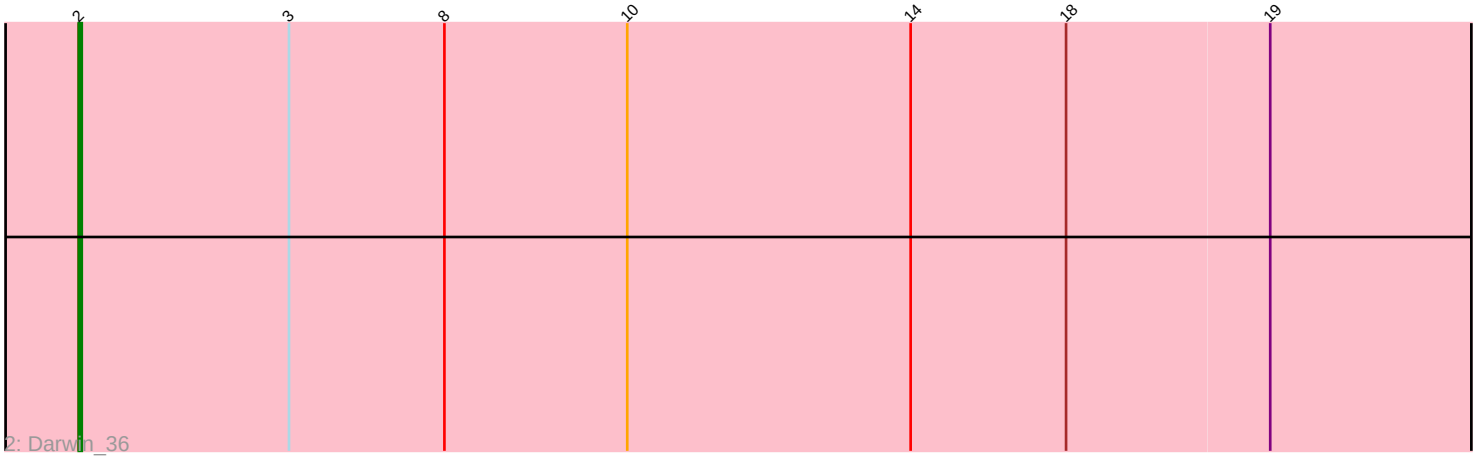
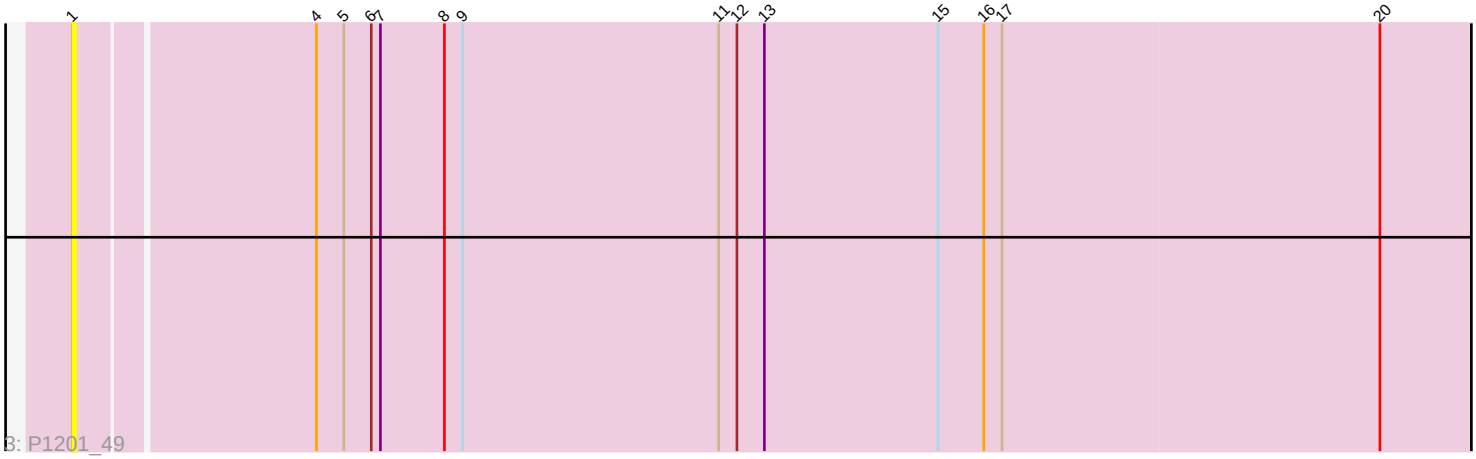
Pham 216808


2
3
8
10
14
18
1: Zion_36 + 6


2
3
8
10
14
18
19
2: Darwin_36


1
4
5
6
7
8
9
11
12
13
15
16
17
20
3: P1201_49

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 216808 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216808 has 9 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Zion_36, PeteyPab_35, C3PO_33, Kimchi1738_33, Cruella_33, Stickynote_35, PotatoChip_36
• Track 2 : Darwin_36
• Track 3 : P1201_49

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

The start number called the most often in the published annotations is 2, it was called in 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• C3PO_33, Cruella_33, Darwin_36, Kimchi1738_33, PeteyPab_35, PotatoChip_36, Stickynote_35, Zion_36,

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

Genes that do not have the "Most Annotated" start:
• P1201_49,

Summary by start number:

Start 1:
• Found in 1 of 9 (11.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: P1201_49 (singleton),

Start 2:
• Found in 8 of 9 (88.9%) of genes in pham
• Manual Annotations of this start: 8 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: C3PO_33 (EN), Cruella_33 (EN), Darwin_36 (EN), Kimchi1738_33 (EN), PeteyPab_35 (EN), PotatoChip_36 (EN),

Stickynote_35 (EN), Zion_36 (EN),

Summary by clusters:

There are 2 clusters represented in this pham: singleton, EN,

Info for manual annotations of cluster EN:
•Start number 2 was manually annotated 8 times for cluster EN.

Gene Information:

Gene: C3PO_33 Start: 30588, Stop: 31046, Start Num: 2
Candidate Starts for C3PO_33:
(Start: 2 @30588 has 8 MA's), (3, 30657), (8, 30708), (10, 30768), (14, 30861), (18, 30912),

Gene: Cruella_33 Start: 30588, Stop: 31046, Start Num: 2
Candidate Starts for Cruella_33:
(Start: 2 @30588 has 8 MA's), (3, 30657), (8, 30708), (10, 30768), (14, 30861), (18, 30912),

Gene: Darwin_36 Start: 30273, Stop: 30731, Start Num: 2
Candidate Starts for Darwin_36:
(Start: 2 @30273 has 8 MA's), (3, 30342), (8, 30393), (10, 30453), (14, 30546), (18, 30597), (19, 30663),

Gene: Kimchi1738_33 Start: 29676, Stop: 30134, Start Num: 2
Candidate Starts for Kimchi1738_33:
(Start: 2 @29676 has 8 MA's), (3, 29745), (8, 29796), (10, 29856), (14, 29949), (18, 30000),

Gene: P1201_49 Start: 36622, Stop: 37077, Start Num: 1
Candidate Starts for P1201_49:
(1, 36622), (4, 36697), (5, 36706), (6, 36715), (7, 36718), (8, 36739), (9, 36745), (11, 36829), (12, 36835), (13, 36844), (15, 36901), (16, 36916), (17, 36922), (20, 37045),

Gene: PeteyPab_35 Start: 31433, Stop: 31891, Start Num: 2
Candidate Starts for PeteyPab_35:
(Start: 2 @31433 has 8 MA's), (3, 31502), (8, 31553), (10, 31613), (14, 31706), (18, 31757),

Gene: PotatoChip_36 Start: 31435, Stop: 31893, Start Num: 2
Candidate Starts for PotatoChip_36:
(Start: 2 @31435 has 8 MA's), (3, 31504), (8, 31555), (10, 31615), (14, 31708), (18, 31759),

Gene: Stickynote_35 Start: 30855, Stop: 31313, Start Num: 2
Candidate Starts for Stickynote_35:
(Start: 2 @30855 has 8 MA's), (3, 30924), (8, 30975), (10, 31035), (14, 31128), (18, 31179),

Gene: Zion_36 Start: 31433, Stop: 31891, Start Num: 2
Candidate Starts for Zion_36:
(Start: 2 @31433 has 8 MA's), (3, 31502), (8, 31553), (10, 31613), (14, 31706), (18, 31757),