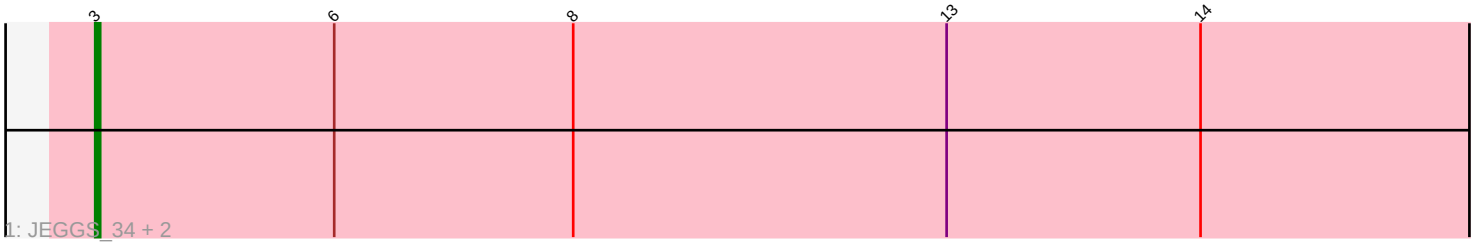
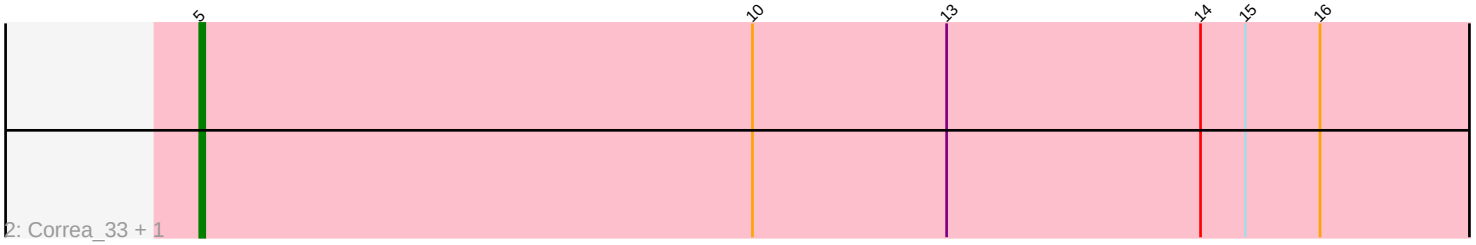
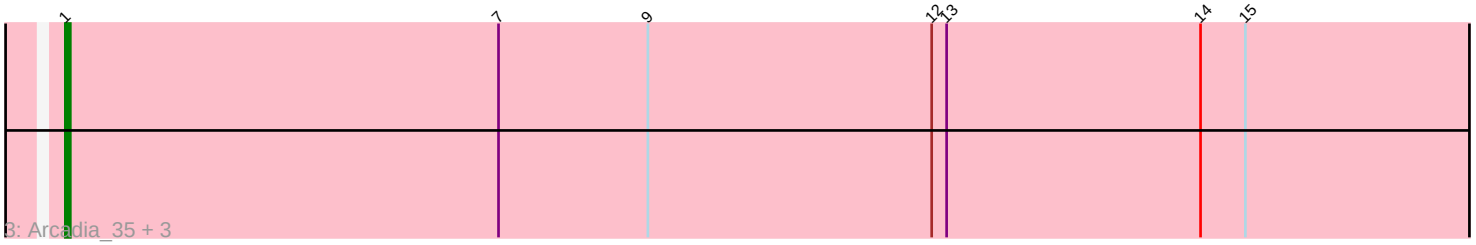
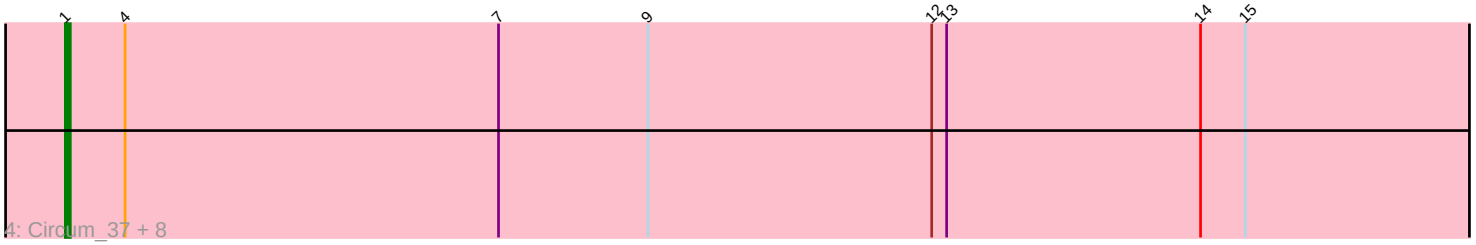
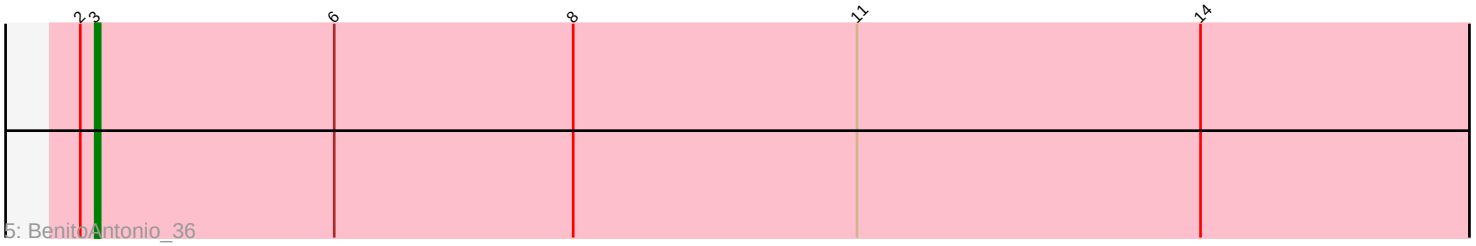
Pham 106632

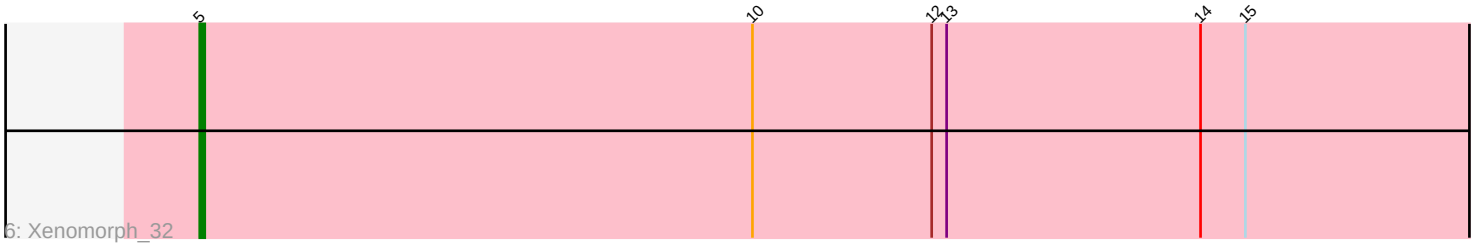

3
6
8
13
14
1: JEGGS_34 + 2


5
10
13
14
15
16
2: Correa_33 + 1


1
7
9
12
13
14
15
3: Arcadia_35 + 3


1
4
7
9
12
13
14
15
4: Circum_37 + 8


2
3
6
8
11
14
5: BenitoAntonio_36


5
10
12
13
14
15
6: Xenomorph_32

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 106632 Report

This analysis was run 04/05/24 on database version 557.

Pham number 106632 has 20 members, 2 are drafts.

Phages represented in each track:
• Track 1 : JEGGS_34, Mudcat_33, Heisenberger_34
• Track 2 : Correa_33, Cheesy_35
• Track 3 : Arcadia_35, Nason_35, Tribby_35, Elsa_35
• Track 4 : Circum_37, Benllo_35, Dynamite_36, Mooshroom_37, GoCrazy_34, Kardesai_37, Hankly_35, KeaneyLin_34, NapoleonB_36
• Track 5 : BenitoAntonio_36
• Track 6 : Xenomorph_32

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 11 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Arcadia_35, Benllo_35, Circum_37, Dynamite_36, Elsa_35, GoCrazy_34, Hankly_35, Kardesai_37, KeaneyLin_34, Mooshroom_37, NapoleonB_36, Nason_35, Tribby_35,

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

Genes that do not have the "Most Annotated" start:
• BenitoAntonio_36, Cheesy_35, Correa_33, Heisenberger_34, JEGGS_34, Mudcat_33, Xenomorph_32,

Summary by start number:

Start 1:
• Found in 13 of 20 (65.0%) of genes in pham
• Manual Annotations of this start: 11 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Arcadia_35 (AM), Benllo_35 (AM), Circum_37 (AM), Dynamite_36 (AM), Elsa_35 (AM), GoCrazy_34 (AM), Hankly_35 (AM), Kardesai_37 (AM), KeaneyLin_34 (AM), Mooshroom_37 (AM), NapoleonB_36

(AM), Nason_35 (AM), Tribby_35 (AM),

Start 3:
• Found in 4 of 20 (20.0%) of genes in pham
• Manual Annotations of this start: 4 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BenitoAntonio_36 (AM), Heisenberger_34 (AM), JEGGS_34 (AM), Mudcat_33 (AM),

Start 5:
• Found in 3 of 20 (15.0%) of genes in pham
• Manual Annotations of this start: 3 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cheesy_35 (AM), Correa_33 (AM), Xenomorph_32 (AM),

Summary by clusters:

There is one cluster represented in this pham: AM

Info for manual annotations of cluster AM:
•Start number 1 was manually annotated 11 times for cluster AM.
•Start number 3 was manually annotated 4 times for cluster AM.
•Start number 5 was manually annotated 3 times for cluster AM.

Gene Information:

Gene: Arcadia_35 Start: 27286, Stop: 27609, Start Num: 1
Candidate Starts for Arcadia_35:
(Start: 1 @27286 has 11 MA's), (7, 27373), (9, 27403), (12, 27460), (13, 27463), (14, 27514), (15, 27523),

Gene: BenitoAntonio_36 Start: 27135, Stop: 27455, Start Num: 3
Candidate Starts for BenitoAntonio_36:
(2, 27132), (Start: 3 @27135 has 4 MA's), (6, 27183), (8, 27231), (11, 27288), (14, 27357),

Gene: Benllo_35 Start: 27807, Stop: 28133, Start Num: 1
Candidate Starts for Benllo_35:
(Start: 1 @27807 has 11 MA's), (4, 27819), (7, 27894), (9, 27924), (12, 27981), (13, 27984), (14, 28035), (15, 28044),

Gene: Cheesy_35 Start: 27007, Stop: 27306, Start Num: 5
Candidate Starts for Cheesy_35:
(Start: 5 @27007 has 3 MA's), (10, 27118), (13, 27157), (14, 27208), (15, 27217), (16, 27232),

Gene: Circum_37 Start: 27641, Stop: 27967, Start Num: 1
Candidate Starts for Circum_37:
(Start: 1 @27641 has 11 MA's), (4, 27653), (7, 27728), (9, 27758), (12, 27815), (13, 27818), (14, 27869), (15, 27878),

Gene: Correa_33 Start: 26199, Stop: 26498, Start Num: 5

Candidate Starts for Correa_33:
(Start: 5 @26199 has 3 MA's), (10, 26310), (13, 26349), (14, 26400), (15, 26409), (16, 26424),

Gene: Dynamite_36 Start: 27469, Stop: 27795, Start Num: 1
Candidate Starts for Dynamite_36:
(Start: 1 @27469 has 11 MA's), (4, 27481), (7, 27556), (9, 27586), (12, 27643), (13, 27646), (14, 27697), (15, 27706),

Gene: Elsa_35 Start: 27286, Stop: 27609, Start Num: 1
Candidate Starts for Elsa_35:
(Start: 1 @27286 has 11 MA's), (7, 27373), (9, 27403), (12, 27460), (13, 27463), (14, 27514), (15, 27523),

Gene: GoCrazy_34 Start: 27116, Stop: 27442, Start Num: 1
Candidate Starts for GoCrazy_34:
(Start: 1 @27116 has 11 MA's), (4, 27128), (7, 27203), (9, 27233), (12, 27290), (13, 27293), (14, 27344), (15, 27353),

Gene: Hankly_35 Start: 26664, Stop: 26990, Start Num: 1
Candidate Starts for Hankly_35:
(Start: 1 @26664 has 11 MA's), (4, 26676), (7, 26751), (9, 26781), (12, 26838), (13, 26841), (14, 26892), (15, 26901),

Gene: Heisenberger_34 Start: 26681, Stop: 27001, Start Num: 3
Candidate Starts for Heisenberger_34:
(Start: 3 @26681 has 4 MA's), (6, 26729), (8, 26777), (13, 26852), (14, 26903),

Gene: JEGGS_34 Start: 26735, Stop: 27055, Start Num: 3
Candidate Starts for JEGGS_34:
(Start: 3 @26735 has 4 MA's), (6, 26783), (8, 26831), (13, 26906), (14, 26957),

Gene: Kardesai_37 Start: 27694, Stop: 28020, Start Num: 1
Candidate Starts for Kardesai_37:
(Start: 1 @27694 has 11 MA's), (4, 27706), (7, 27781), (9, 27811), (12, 27868), (13, 27871), (14, 27922), (15, 27931),

Gene: KeaneyLin_34 Start: 27116, Stop: 27442, Start Num: 1
Candidate Starts for KeaneyLin_34:
(Start: 1 @27116 has 11 MA's), (4, 27128), (7, 27203), (9, 27233), (12, 27290), (13, 27293), (14, 27344), (15, 27353),

Gene: Mooshroom_37 Start: 27694, Stop: 28020, Start Num: 1
Candidate Starts for Mooshroom_37:
(Start: 1 @27694 has 11 MA's), (4, 27706), (7, 27781), (9, 27811), (12, 27868), (13, 27871), (14, 27922), (15, 27931),

Gene: Mudcat_33 Start: 28387, Stop: 28707, Start Num: 3
Candidate Starts for Mudcat_33:
(Start: 3 @28387 has 4 MA's), (6, 28435), (8, 28483), (13, 28558), (14, 28609),

Gene: NapoleonB_36 Start: 27469, Stop: 27795, Start Num: 1
Candidate Starts for NapoleonB_36:

(Start: 1 @27469 has 11 MA's), (4, 27481), (7, 27556), (9, 27586), (12, 27643), (13, 27646), (14, 27697), (15, 27706),

Gene: Nason_35 Start: 27286, Stop: 27609, Start Num: 1
Candidate Starts for Nason_35:
(Start: 1 @27286 has 11 MA's), (7, 27373), (9, 27403), (12, 27460), (13, 27463), (14, 27514), (15, 27523),

Gene: Tribby_35 Start: 27001, Stop: 27324, Start Num: 1
Candidate Starts for Tribby_35:
(Start: 1 @27001 has 11 MA's), (7, 27088), (9, 27118), (12, 27175), (13, 27178), (14, 27229), (15, 27238),

Gene: Xenomorph_32 Start: 26985, Stop: 27284, Start Num: 5
Candidate Starts for Xenomorph_32:
(Start: 5 @26985 has 3 MA's), (10, 27096), (12, 27132), (13, 27135), (14, 27186), (15, 27195),