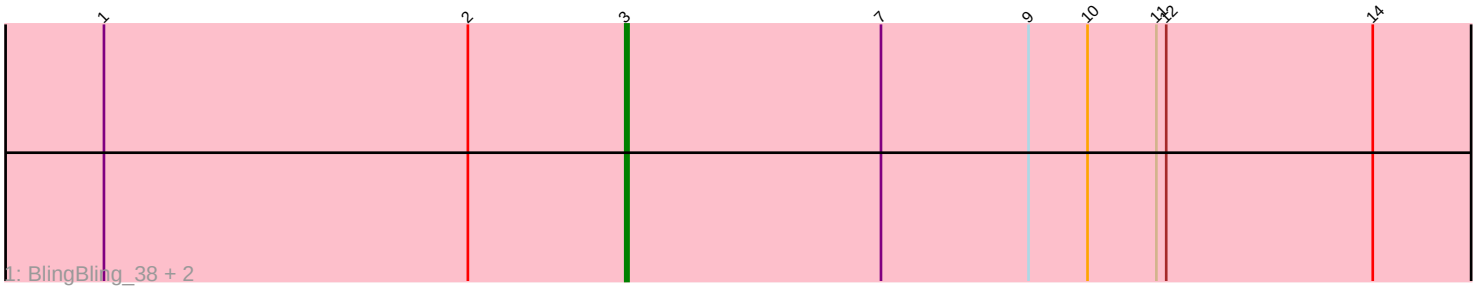
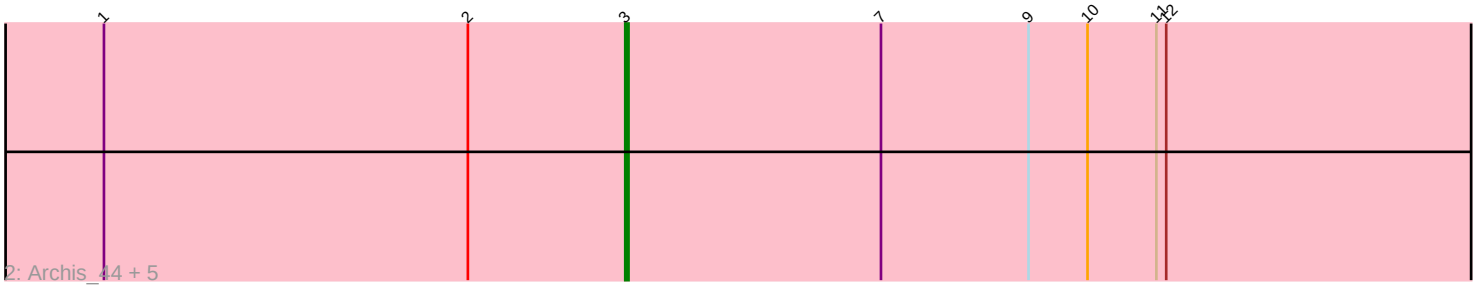
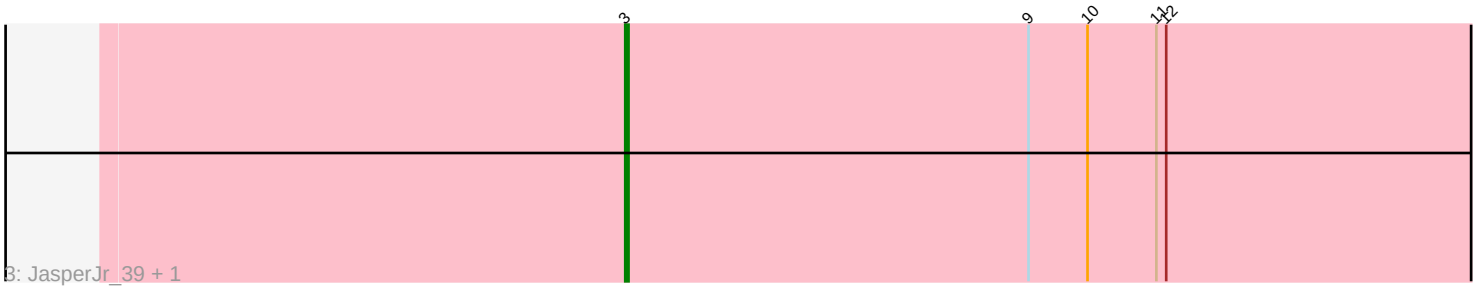
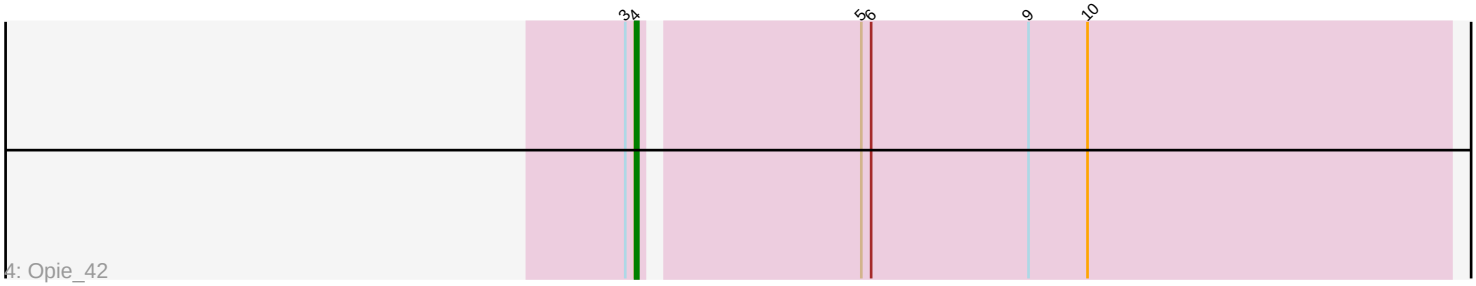
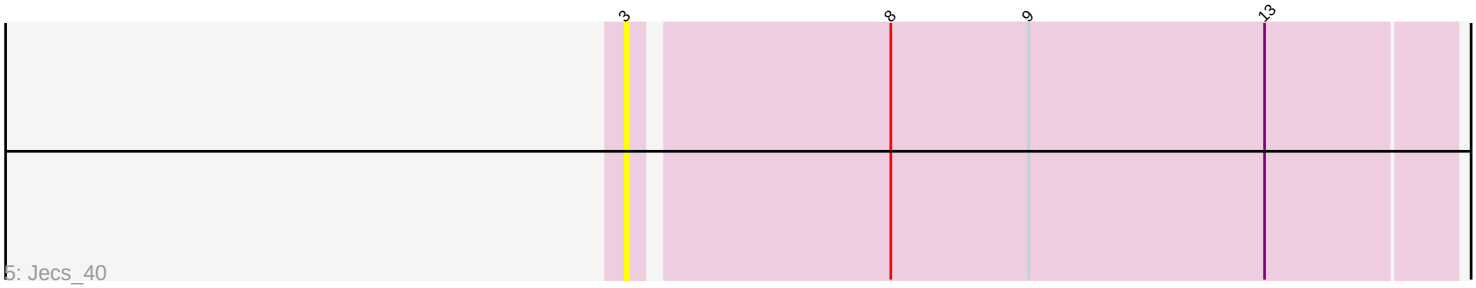
Pham 309592


1
2
3
7
9
10
11
12
14
1: BlingBling_38 + 2


1
2
3
7
9
10
11
12
2: Archis_44 + 5


3
9
10
11
12
3: JasperJr_39 + 1


3
5
6
9
10
4: Opie_42


3
8
9
13
5: Jecs_40

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 309592 Report

This analysis was run 09/05/26 on database version 662.

Pham number 309592 has 13 members, 1 are drafts.

Phages represented in each track:
• Track 1 : BlingBling_38, MintFen_41, Melba_40
• Track 2 : Archis_44, Barco_39, Delian_44, CaptainKirk2_41, Zilla_39, Zarbodnamra_40
• Track 3 : JasperJr_39, Guacamole_39
• Track 4 : Opie_42
• Track 5 : Jecs_40

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 11 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Archis_44, Barco_39, BlingBling_38, CaptainKirk2_41, Delian_44, Guacamole_39, JasperJr_39, Jecs_40, Melba_40, MintFen_41, Zarbodnamra_40, Zilla_39,

Genes that have the "Most Annotated" start but do not call it:
• Opie_42,

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

Summary by start number:

Start 3:
• Found in 13 of 13 (100.0%) of genes in pham
• Manual Annotations of this start: 11 of 12
• Called 92.3% of time when present
• Phage (with cluster) where this start called: Archis_44 (CV), Barco_39 (CV), BlingBling_38 (CV), CaptainKirk2_41 (CV), Delian_44 (CV), Guacamole_39 (CV), JasperJr_39 (CV), Jecs_40 (DB), Melba_40 (CV), MintFen_41 (CV), Zarbodnamra_40 (CV), Zilla_39 (CV),

Start 4:

• Found in 1 of 13 (7.7%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Opie_42 (DB),

Summary by clusters:

There are 2 clusters represented in this pham: DB, CV,

Info for manual annotations of cluster CV:
•Start number 3 was manually annotated 11 times for cluster CV.

Info for manual annotations of cluster DB:
•Start number 4 was manually annotated 1 time for cluster DB.

Gene Information:

Gene: Archis_44 Start: 32639, Stop: 32379, Start Num: 3
Candidate Starts for Archis_44:
(1, 32798), (2, 32687), (Start: 3 @32639 has 11 MA's), (7, 32561), (9, 32516), (10, 32498), (11, 32477), (12, 32474),

Gene: Barco_39 Start: 31689, Stop: 31429, Start Num: 3
Candidate Starts for Barco_39:
(1, 31848), (2, 31737), (Start: 3 @31689 has 11 MA's), (7, 31611), (9, 31566), (10, 31548), (11, 31527), (12, 31524),

Gene: BlingBling_38 Start: 32652, Stop: 32392, Start Num: 3
Candidate Starts for BlingBling_38:
(1, 32811), (2, 32700), (Start: 3 @32652 has 11 MA's), (7, 32574), (9, 32529), (10, 32511), (11, 32490), (12, 32487), (14, 32424),

Gene: CaptainKirk2_41 Start: 31937, Stop: 31677, Start Num: 3
Candidate Starts for CaptainKirk2_41:
(1, 32096), (2, 31985), (Start: 3 @31937 has 11 MA's), (7, 31859), (9, 31814), (10, 31796), (11, 31775), (12, 31772),

Gene: Delian_44 Start: 31935, Stop: 31675, Start Num: 3
Candidate Starts for Delian_44:
(1, 32094), (2, 31983), (Start: 3 @31935 has 11 MA's), (7, 31857), (9, 31812), (10, 31794), (11, 31773), (12, 31770),

Gene: Guacamole_39 Start: 32504, Stop: 32244, Start Num: 3
Candidate Starts for Guacamole_39:
(Start: 3 @32504 has 11 MA's), (9, 32381), (10, 32363), (11, 32342), (12, 32339),

Gene: JasperJr_39 Start: 32504, Stop: 32244, Start Num: 3
Candidate Starts for JasperJr_39:
(Start: 3 @32504 has 11 MA's), (9, 32381), (10, 32363), (11, 32342), (12, 32339),

Gene: Jecs_40 Start: 31427, Stop: 31182, Start Num: 3

Candidate Starts for Jecs_40:
(Start: 3 @31427 has 11 MA's), (8, 31352), (9, 31310), (13, 31238),

Gene: Melba_40 Start: 32477, Stop: 32217, Start Num: 3
Candidate Starts for Melba_40:
(1, 32636), (2, 32525), (Start: 3 @32477 has 11 MA's), (7, 32399), (9, 32354), (10, 32336), (11, 32315), (12, 32312), (14, 32249),

Gene: MintFen_41 Start: 32551, Stop: 32291, Start Num: 3
Candidate Starts for MintFen_41:
(1, 32710), (2, 32599), (Start: 3 @32551 has 11 MA's), (7, 32473), (9, 32428), (10, 32410), (11, 32389), (12, 32386), (14, 32323),

Gene: Opie_42 Start: 32843, Stop: 32601, Start Num: 4
Candidate Starts for Opie_42:
(Start: 3 @32846 has 11 MA's), (Start: 4 @32843 has 1 MA's), (5, 32780), (6, 32777), (9, 32729), (10, 32711),

Gene: Zarbodnamra_40 Start: 31959, Stop: 31699, Start Num: 3
Candidate Starts for Zarbodnamra_40:
(1, 32118), (2, 32007), (Start: 3 @31959 has 11 MA's), (7, 31881), (9, 31836), (10, 31818), (11, 31797), (12, 31794),

Gene: Zilla_39 Start: 31706, Stop: 31446, Start Num: 3
Candidate Starts for Zilla_39:
(1, 31865), (2, 31754), (Start: 3 @31706 has 11 MA's), (7, 31628), (9, 31583), (10, 31565), (11, 31544), (12, 31541),