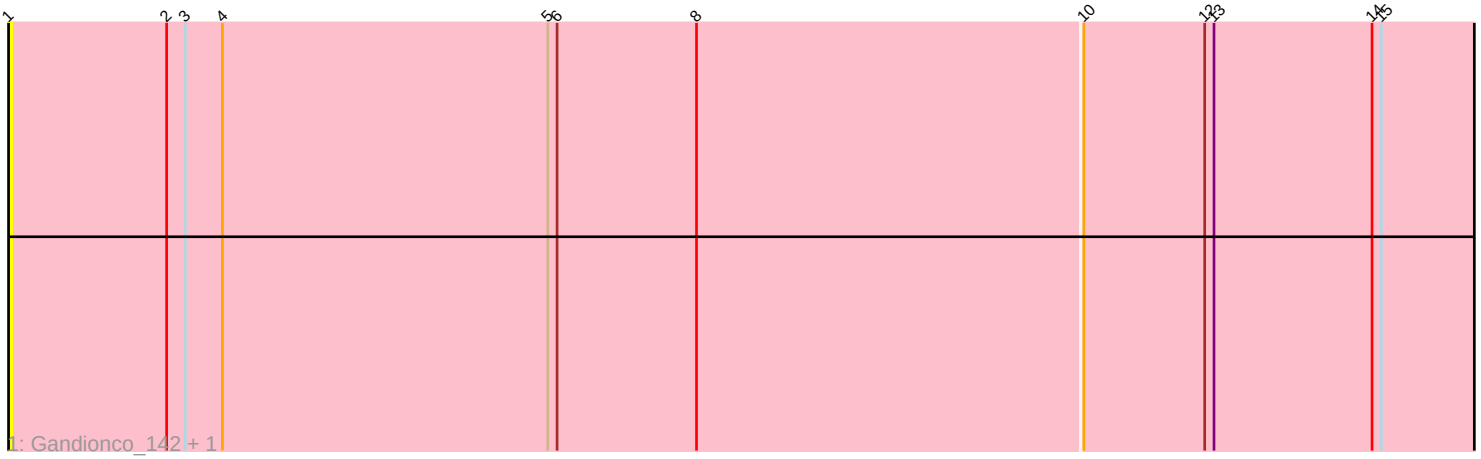
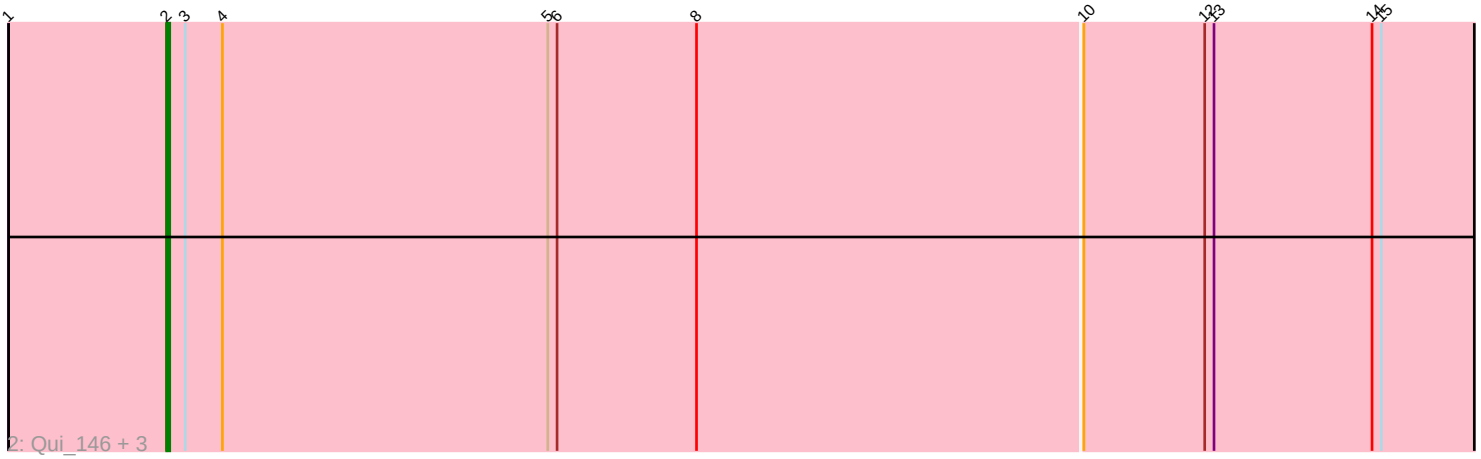
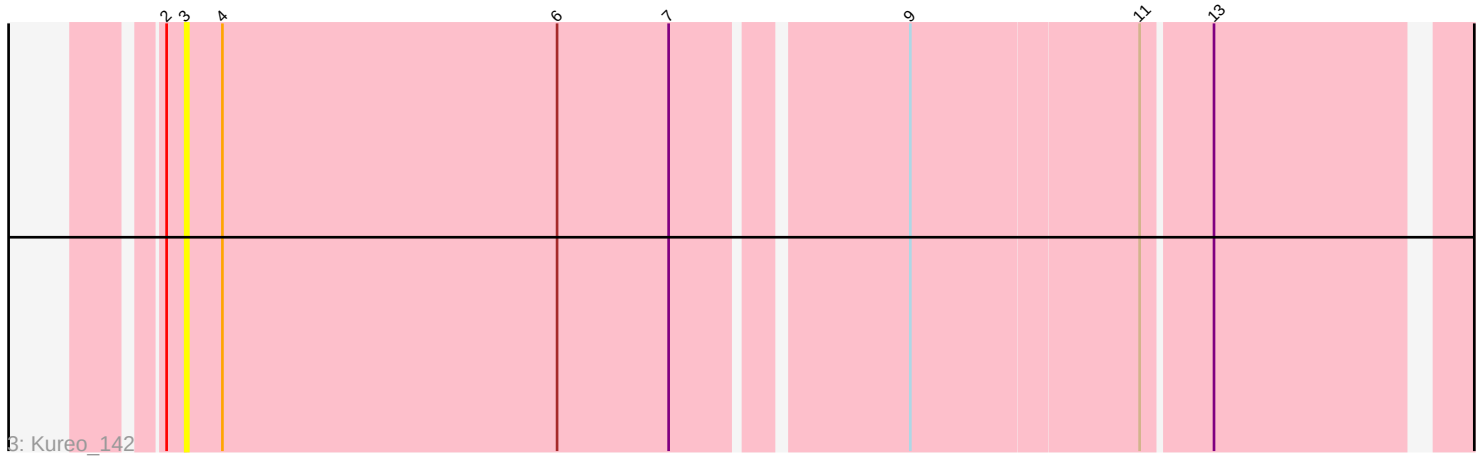
Pham 348356


1
2
3
4
5
6
8
10
12
13
14
15
1: Gandionco_142 + 1


1
2
3
4
5
6
8
10
12
13
14
15
2: Qui_146 + 3


2
3
4
6
7
9
11
13
3: Kureo_142

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 348356 Report

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

Pham number 348356 has 7 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Gandionco_142, Marianna39_143
• Track 2 : Qui_146, Paella_146, JeNeSaisPas_144, Elver_146
• Track 3 : Kureo_142

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 4 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Elver_146, JeNeSaisPas_144, Paella_146, Qui_146,

Genes that have the "Most Annotated" start but do not call it:
• Gandionco_142, Kureo_142, Marianna39_143,

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

Summary by start number:

Start 1:
• Found in 6 of 7 (85.7%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Gandionco_142 (FK), Marianna39_143 (FK),

Start 2:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 4 of 4
• Called 57.1% of time when present
• Phage (with cluster) where this start called: Elver_146 (FK), JeNeSaisPas_144 (FK), Paella_146 (FK), Qui_146 (FK),

Start 3:
• Found in 7 of 7 (100.0%) of genes in pham
• No Manual Annotations of this start.
• Called 14.3% of time when present
• Phage (with cluster) where this start called: Kureo_142 (FK),

Summary by clusters:

There is one cluster represented in this pham: FK

Info for manual annotations of cluster FK:
•Start number 2 was manually annotated 4 times for cluster FK.

Gene Information:

Gene: Elver_146 Start: 75487, Stop: 75912, Start Num: 2
Candidate Starts for Elver_146:
(1, 75436), (Start: 2 @75487 has 4 MA's), (3, 75493), (4, 75505), (5, 75610), (6, 75613), (8, 75658), (10, 75781), (12, 75820), (13, 75823), (14, 75874), (15, 75877),

Gene: Gandionco_142 Start: 74516, Stop: 74992, Start Num: 1
Candidate Starts for Gandionco_142:
(1, 74516), (Start: 2 @74567 has 4 MA's), (3, 74573), (4, 74585), (5, 74690), (6, 74693), (8, 74738), (10, 74861), (12, 74900), (13, 74903), (14, 74954), (15, 74957),

Gene: JeNeSaisPas_144 Start: 75163, Stop: 75588, Start Num: 2
Candidate Starts for JeNeSaisPas_144:
(1, 75112), (Start: 2 @75163 has 4 MA's), (3, 75169), (4, 75181), (5, 75286), (6, 75289), (8, 75334), (10, 75457), (12, 75496), (13, 75499), (14, 75550), (15, 75553),

Gene: Kureo_142 Start: 74689, Stop: 75087, Start Num: 3
Candidate Starts for Kureo_142:
(Start: 2 @74683 has 4 MA's), (3, 74689), (4, 74701), (6, 74809), (7, 74845), (9, 74914), (11, 74986), (13, 75007),

Gene: Marianna39_143 Start: 75121, Stop: 75597, Start Num: 1
Candidate Starts for Marianna39_143:
(1, 75121), (Start: 2 @75172 has 4 MA's), (3, 75178), (4, 75190), (5, 75295), (6, 75298), (8, 75343), (10, 75466), (12, 75505), (13, 75508), (14, 75559), (15, 75562),

Gene: Paella_146 Start: 76354, Stop: 76779, Start Num: 2
Candidate Starts for Paella_146:
(1, 76303), (Start: 2 @76354 has 4 MA's), (3, 76360), (4, 76372), (5, 76477), (6, 76480), (8, 76525), (10, 76648), (12, 76687), (13, 76690), (14, 76741), (15, 76744),

Gene: Qui_146 Start: 76354, Stop: 76779, Start Num: 2
Candidate Starts for Qui_146:
(1, 76303), (Start: 2 @76354 has 4 MA's), (3, 76360), (4, 76372), (5, 76477), (6, 76480), (8, 76525), (10, 76648), (12, 76687), (13, 76690), (14, 76741), (15, 76744),