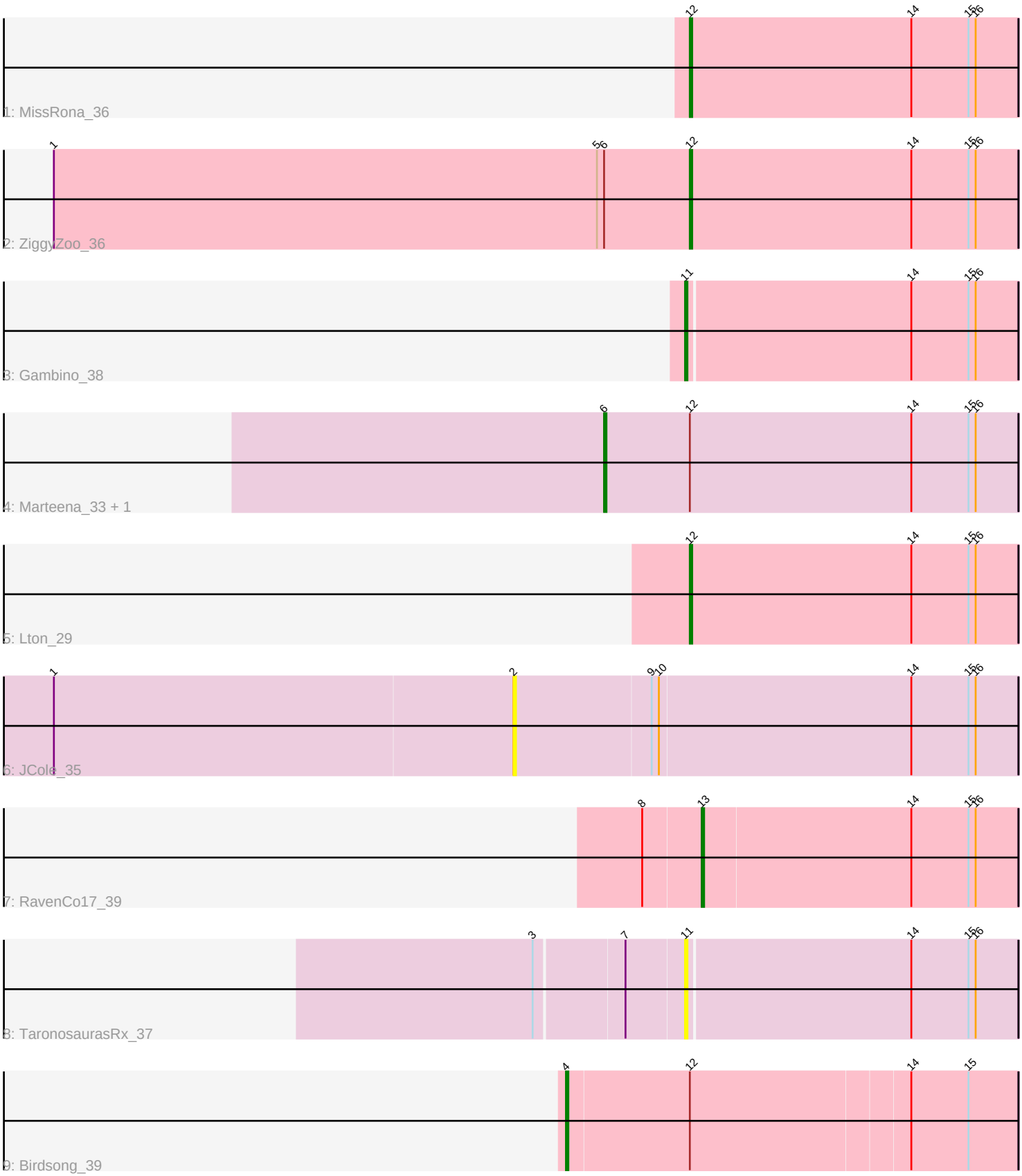
Pham 222023


12
14
15
16
1: MissRona_36
1
5
6
12
14
15
16
2: ZiggyZoo_36
11
14
15
16
3: Gambino_38
6
12
14
15
16
4: Marteena_33 + 1
12
14
15
16
5: Lton_29
1
2
9
10
14
15
16
6: JCole_35
8
13
14
15
16
7: RavenCo17_39
3
7
11
14
15
16
8: TaronosaurasRx_37
4
12
14
15
9: Birdsong_39

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 222023 Report

This analysis was run 03/28/25 on database version 593.

Pham number 222023 has 10 members, 2 are drafts.

Phages represented in each track:
• Track 1 : MissRona_36
• Track 2 : ZiggyZoo_36
• Track 3 : Gambino_38
• Track 4 : Marteena_33, EMsquaredA_34
• Track 5 : Lton_29
• Track 6 : JCole_35
• Track 7 : RavenCo17_39
• Track 8 : TaronosaurasRx_37
• Track 9 : Birdsong_39

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

The start number called the most often in the published annotations is 12, it was called in 3 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Lton_29, MissRona_36, ZiggyZoo_36,

Genes that have the "Most Annotated" start but do not call it:
• Birdsong_39, EMsquaredA_34, Marteena_33,

Genes that do not have the "Most Annotated" start:
• Gambino_38, JCole_35, RavenCo17_39, TaronosaurasRx_37,

Summary by start number:

Start 2:
• Found in 1 of 10 (10.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: JCole_35 (CZ2),

Start 4:
• Found in 1 of 10 (10.0%) of genes in pham

• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Birdsong_39 (DN),

Start 6:
• Found in 3 of 10 (30.0%) of genes in pham
• Manual Annotations of this start: 2 of 8
• Called 66.7% of time when present
• Phage (with cluster) where this start called: EMsquaredA_34 (CY1), Marteena_33 (CY1),

Start 11:
• Found in 2 of 10 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gambino_38 (CV), TaronosaurasRx_37 (DB),

Start 12:
• Found in 6 of 10 (60.0%) of genes in pham
• Manual Annotations of this start: 3 of 8
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Lton_29 (CZ), MissRona_36 (CV), ZiggyZoo_36 (CV),

Start 13:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: RavenCo17_39 (CZ8),

Summary by clusters:

There are 7 clusters represented in this pham: DN, CZ8, CZ2, DB, CY1, CZ, CV,

Info for manual annotations of cluster CV:
•Start number 11 was manually annotated 1 time for cluster CV.
•Start number 12 was manually annotated 2 times for cluster CV.

Info for manual annotations of cluster CY1:
•Start number 6 was manually annotated 2 times for cluster CY1.

Info for manual annotations of cluster CZ:
•Start number 12 was manually annotated 1 time for cluster CZ.

Info for manual annotations of cluster CZ8:
•Start number 13 was manually annotated 1 time for cluster CZ8.

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

Gene Information:

Gene: Birdsong_39 Start: 30012, Stop: 30197, Start Num: 4
Candidate Starts for Birdsong_39:
(Start: 4 @30012 has 1 MA's), (Start: 12 @30063 has 3 MA's), (14, 30153), (15, 30177),

Gene: EMsquaredA_34 Start: 27140, Stop: 27313, Start Num: 6
Candidate Starts for EMsquaredA_34:
(Start: 6 @27140 has 2 MA's), (Start: 12 @27176 has 3 MA's), (14, 27269), (15, 27293), (16, 27296),

Gene: Gambino_38 Start: 29181, Stop: 29318, Start Num: 11
Candidate Starts for Gambino_38:
(Start: 11 @29181 has 1 MA's), (14, 29274), (15, 29298), (16, 29301),

Gene: JCole_35 Start: 26559, Stop: 26768, Start Num: 2
Candidate Starts for JCole_35:
(1, 26367), (2, 26559), (9, 26616), (10, 26619), (14, 26724), (15, 26748), (16, 26751),

Gene: Lton_29 Start: 23357, Stop: 23494, Start Num: 12
Candidate Starts for Lton_29:
(Start: 12 @23357 has 3 MA's), (14, 23450), (15, 23474), (16, 23477),

Gene: Marteena_33 Start: 27140, Stop: 27313, Start Num: 6
Candidate Starts for Marteena_33:
(Start: 6 @27140 has 2 MA's), (Start: 12 @27176 has 3 MA's), (14, 27269), (15, 27293), (16, 27296),

Gene: MissRona_36 Start: 29182, Stop: 29319, Start Num: 12
Candidate Starts for MissRona_36:
(Start: 12 @29182 has 3 MA's), (14, 29275), (15, 29299), (16, 29302),

Gene: RavenCo17_39 Start: 30646, Stop: 30777, Start Num: 13
Candidate Starts for RavenCo17_39:
(8, 30622), (Start: 13 @30646 has 1 MA's), (14, 30733), (15, 30757), (16, 30760),

Gene: TaronosaurasRx_37 Start: 28968, Stop: 29105, Start Num: 11
Candidate Starts for TaronosaurasRx_37:
(3, 28908), (7, 28944), (Start: 11 @28968 has 1 MA's), (14, 29061), (15, 29085), (16, 29088),

Gene: ZiggyZoo_36 Start: 29124, Stop: 29261, Start Num: 12
Candidate Starts for ZiggyZoo_36:
(1, 28857), (5, 29085), (Start: 6 @29088 has 2 MA's), (Start: 12 @29124 has 3 MA's), (14, 29217), (15, 29241), (16, 29244),