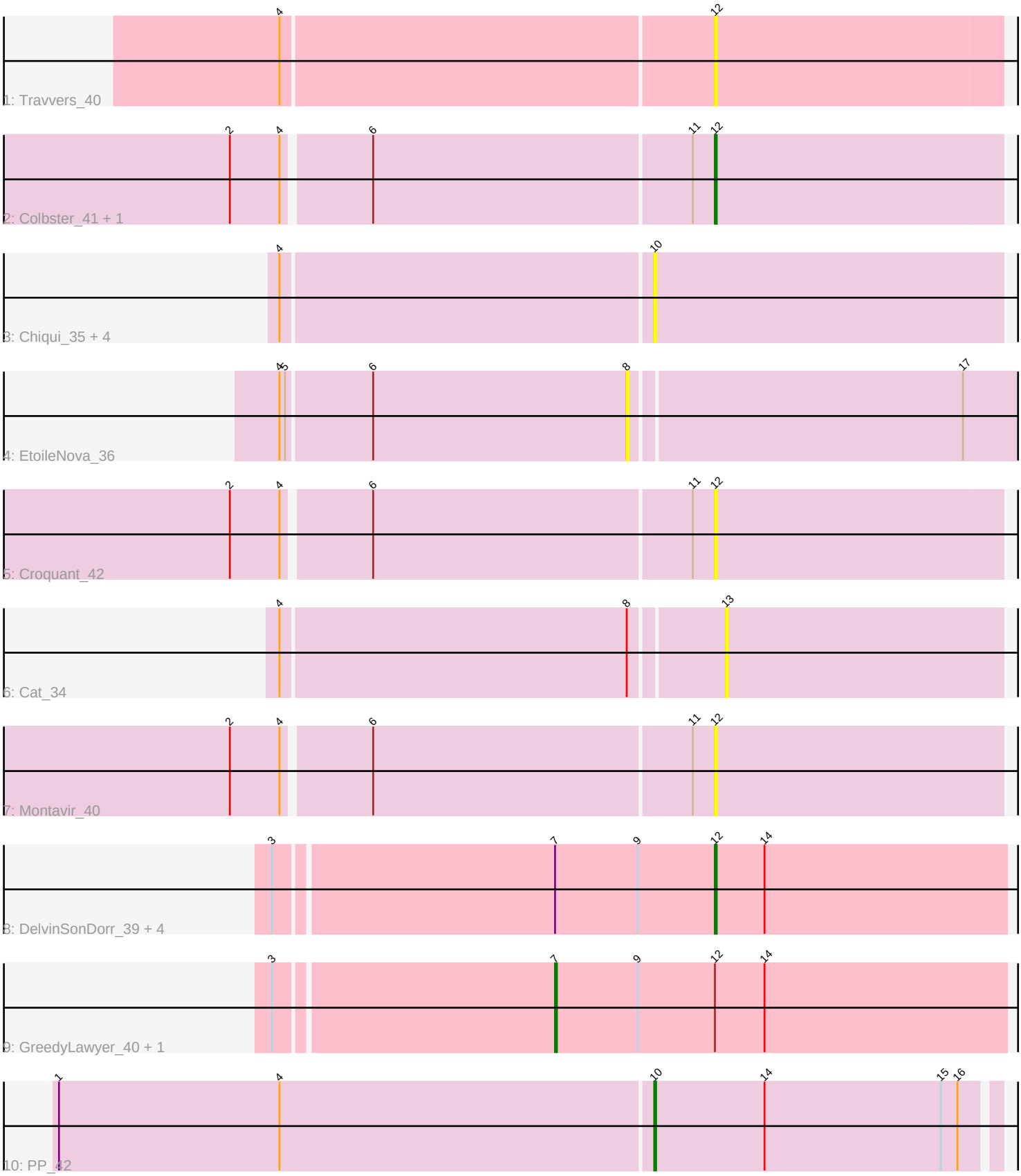
Pham 348060


4
12
1: Travvers_40
2
4
6
11
12
2: Colbster_41 + 1
4
10
3: Chiqui_35 + 4
4
5
6
8
17
4: EtoileNova_36
2
4
6
11
12
5: Croquant_42
4
8
13
6: Cat_34
2
4
6
11
12
7: Montavir_40
3
7
9
12
14
8: DelvinSonDorr_39 + 4
3
7
9
12
14
9: GreedyLawyer_40 + 1
1
4
10
14
15
16
10: PP_42

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 348060 Report

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

Pham number 348060 has 20 members, 12 are drafts.

Phages represented in each track:
• Track 1 : Travvers_40
• Track 2 : Colbster_41, Gwennie_41
• Track 3 : Chiqui_35, Goose1X_36, BabyJohn_35, Shep_36, Zarafa_36
• Track 4 : EtoileNova_36
• Track 5 : Croquant_42
• Track 6 : Cat_34
• Track 7 : Montavir_40
• Track 8 : DelvinSonDorr_39, EricB_40, Garak_41, SuperCallie99_40, Pmask_40
• Track 9 : GreedyLawyer_40, DaVinci_40
• Track 10 : PP_42

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 5 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Colbster_41, Croquant_42, DelvinSonDorr_39, EricB_40, Garak_41, Gwennie_41, Montavir_40, Pmask_40, SuperCallie99_40, Travvers_40,

Genes that have the "Most Annotated" start but do not call it:
• DaVinci_40, GreedyLawyer_40,

Genes that do not have the "Most Annotated" start:
• BabyJohn_35, Cat_34, Chiqui_35, EtoileNova_36, Goose1X_36, PP_42, Shep_36, Zarafa_36,

Summary by start number:

Start 7:
• Found in 7 of 20 (35.0%) of genes in pham
• Manual Annotations of this start: 2 of 8
• Called 28.6% of time when present

• Phage (with cluster) where this start called: DaVinci_40 (A6), GreedyLawyer_40 (A6),

Start 8:
• Found in 2 of 20 (10.0%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: EtoileNova_36 (A3),

Start 10:
• Found in 6 of 20 (30.0%) 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: BabyJohn_35 (A3), Chiqui_35 (A3), Goose1X_36 (A3), PP_42 (A7), Shep_36 (A3), Zarafa_36 (A3),

Start 12:
• Found in 12 of 20 (60.0%) of genes in pham
• Manual Annotations of this start: 5 of 8
• Called 83.3% of time when present
• Phage (with cluster) where this start called: Colbster_41 (A3), Croquant_42 (A3), DelvinSonDorr_39 (A6), EricB_40 (A6), Garak_41 (A6), Gwennie_41 (A3), Montavir_40 (A3), Pmask_40 (A6), SuperCallie99_40 (A6), Travvers_40 (A2),

Start 13:
• Found in 1 of 20 (5.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cat_34 (A3),

Summary by clusters:

There are 4 clusters represented in this pham: A3, A2, A7, A6,

Info for manual annotations of cluster A3:
•Start number 12 was manually annotated 2 times for cluster A3.

Info for manual annotations of cluster A6:
•Start number 7 was manually annotated 2 times for cluster A6.
•Start number 12 was manually annotated 3 times for cluster A6.

Info for manual annotations of cluster A7:
•Start number 10 was manually annotated 1 time for cluster A7.

Gene Information:

Gene: BabyJohn_35 Start: 27894, Stop: 27706, Start Num: 10
Candidate Starts for BabyJohn_35:
(4, 28092), (Start: 10 @27894 has 1 MA's),

Gene: Cat_34 Start: 27249, Stop: 27100, Start Num: 13
Candidate Starts for Cat_34:
(4, 27483), (8, 27297), (13, 27249),

Gene: Chiqui_35 Start: 27903, Stop: 27715, Start Num: 10
Candidate Starts for Chiqui_35:
(4, 28101), (Start: 10 @27903 has 1 MA's),

Gene: Colbster_41 Start: 28348, Stop: 28193, Start Num: 12
Candidate Starts for Colbster_41:
(2, 28603), (4, 28576), (6, 28531), (11, 28360), (Start: 12 @28348 has 5 MA's),

Gene: Croquant_42 Start: 28346, Stop: 28191, Start Num: 12
Candidate Starts for Croquant_42:
(2, 28601), (4, 28574), (6, 28529), (11, 28358), (Start: 12 @28346 has 5 MA's),

Gene: DaVinci_40 Start: 26470, Stop: 26225, Start Num: 7
Candidate Starts for DaVinci_40:
(3, 26617), (Start: 7 @26470 has 2 MA's), (9, 26425), (Start: 12 @26383 has 5 MA's), (14, 26356),

Gene: DelvinSonDorr_39 Start: 26378, Stop: 26220, Start Num: 12
Candidate Starts for DelvinSonDorr_39:
(3, 26612), (Start: 7 @26465 has 2 MA's), (9, 26420), (Start: 12 @26378 has 5 MA's), (14, 26351),

Gene: EricB_40 Start: 26375, Stop: 26217, Start Num: 12
Candidate Starts for EricB_40:
(3, 26609), (Start: 7 @26462 has 2 MA's), (9, 26417), (Start: 12 @26375 has 5 MA's), (14, 26348),

Gene: EtoileNova_36 Start: 27630, Stop: 27385, Start Num: 8
Candidate Starts for EtoileNova_36:
(4, 27816), (5, 27813), (6, 27768), (8, 27630), (17, 27453),

Gene: Garak_41 Start: 26383, Stop: 26225, Start Num: 12
Candidate Starts for Garak_41:
(3, 26617), (Start: 7 @26470 has 2 MA's), (9, 26425), (Start: 12 @26383 has 5 MA's), (14, 26356),

Gene: Goose1X_36 Start: 26943, Stop: 26755, Start Num: 10
Candidate Starts for Goose1X_36:
(4, 27141), (Start: 10 @26943 has 1 MA's),

Gene: GreedyLawyer_40 Start: 26469, Stop: 26224, Start Num: 7
Candidate Starts for GreedyLawyer_40:
(3, 26616), (Start: 7 @26469 has 2 MA's), (9, 26424), (Start: 12 @26382 has 5 MA's), (14, 26355),

Gene: Gwennie_41 Start: 28348, Stop: 28193, Start Num: 12
Candidate Starts for Gwennie_41:
(2, 28603), (4, 28576), (6, 28531), (11, 28360), (Start: 12 @28348 has 5 MA's),

Gene: Montavir_40 Start: 28348, Stop: 28193, Start Num: 12
Candidate Starts for Montavir_40:
(2, 28603), (4, 28576), (6, 28531), (11, 28360), (Start: 12 @28348 has 5 MA's),

Gene: PP_42 Start: 32157, Stop: 31975, Start Num: 10

Candidate Starts for PP_42:
(1, 32478), (4, 32358), (Start: 10 @32157 has 1 MA's), (14, 32097), (15, 32001), (16, 31992),

Gene: Pmask_40 Start: 26376, Stop: 26218, Start Num: 12
Candidate Starts for Pmask_40:
(3, 26610), (Start: 7 @26463 has 2 MA's), (9, 26418), (Start: 12 @26376 has 5 MA's), (14, 26349),

Gene: Shep_36 Start: 26622, Stop: 26434, Start Num: 10
Candidate Starts for Shep_36:
(4, 26820), (Start: 10 @26622 has 1 MA's),

Gene: SuperCallie99_40 Start: 26374, Stop: 26216, Start Num: 12
Candidate Starts for SuperCallie99_40:
(3, 26608), (Start: 7 @26461 has 2 MA's), (9, 26416), (Start: 12 @26374 has 5 MA's), (14, 26347),

Gene: Travvers_40 Start: 27752, Stop: 27597, Start Num: 12
Candidate Starts for Travvers_40:
(4, 27983), (Start: 12 @27752 has 5 MA's),

Gene: Zarafa_36 Start: 27670, Stop: 27482, Start Num: 10
Candidate Starts for Zarafa_36:
(4, 27868), (Start: 10 @27670 has 1 MA's),