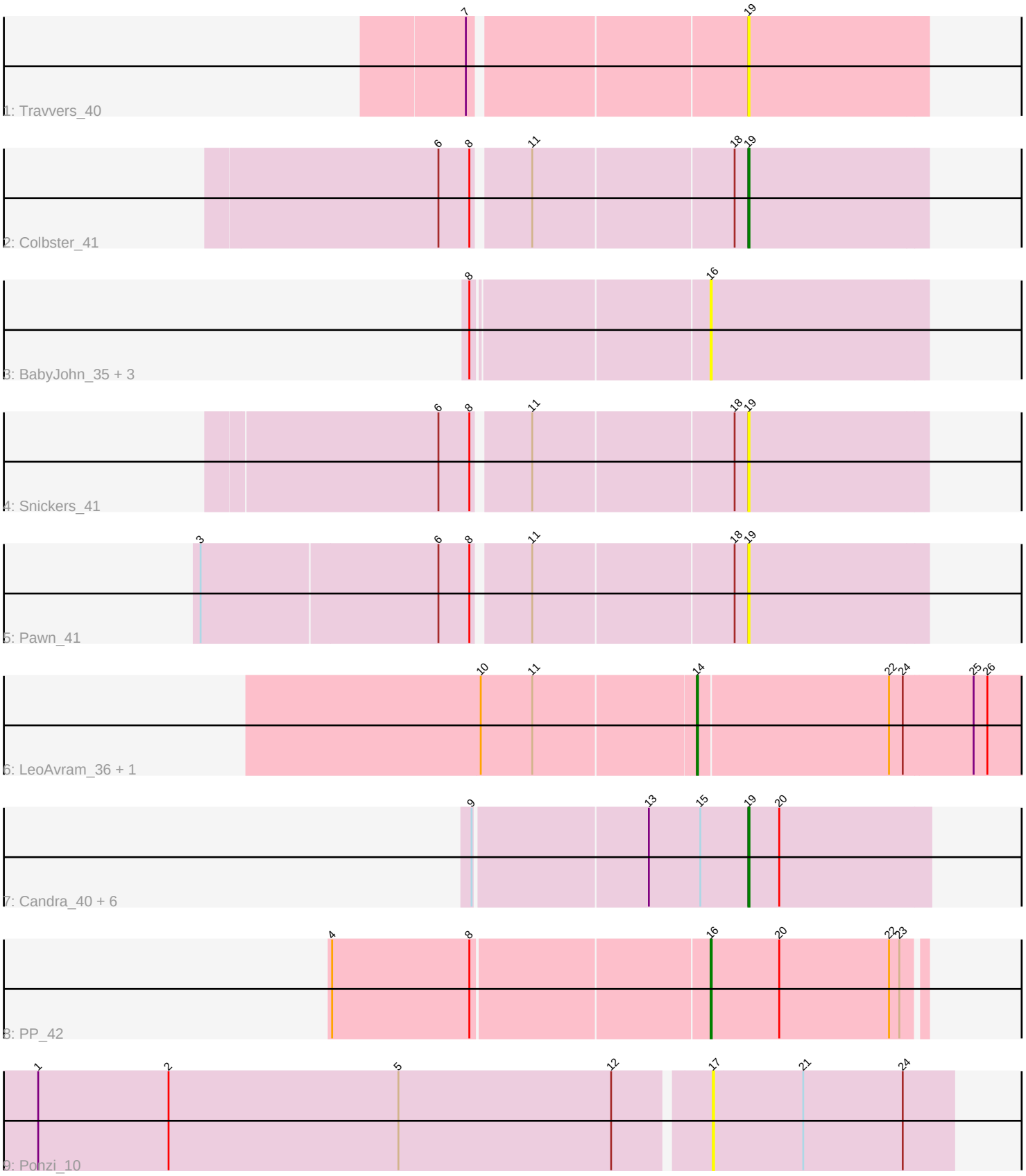
Pham 194368


7
19
1: Travvers_40
6
8
11
18
19
2: Colbster_41
8
16
3: BabyJohn_35 + 3
6
8
11
18
19
4: Snickers_41
3
6
8
11
18
19
5: Pawn_41
10
11
14
22
24
25
26
6: LeoAvram_36 + 1
9
13
15
19
20
7: Candra_40 + 6
4
8
16
20
22
23
8: PP_42
1
2
5
12
17
21
24
9: Ponzi_10

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 194368 Report

This analysis was run 11/02/24 on database version 579.

Pham number 194368 has 19 members, 12 are drafts.

Phages represented in each track:
• Track 1 : Travvers_40
• Track 2 : Colbster_41
• Track 3 : BabyJohn_35, Chiqui_35, DropBear_36, Giroux_36
• Track 4 : Snickers_41
• Track 5 : Pawn_41
• Track 6 : LeoAvram_36, Kampy_36
• Track 7 : Candra_40, Chartreuse_40, Helmet_41, Garak_41, EricB_40, SuperCallie99_40, Pmask_40
• Track 8 : PP_42
• Track 9 : Ponzi_10

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

The start number called the most often in the published annotations is 19, it was called in 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Candra_40, Chartreuse_40, Colbster_41, EricB_40, Garak_41, Helmet_41, Pawn_41, Pmask_40, Snickers_41, SuperCallie99_40, Travvers_40,

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

Genes that do not have the "Most Annotated" start:
• BabyJohn_35, Chiqui_35, DropBear_36, Giroux_36, Kampy_36, LeoAvram_36, PP_42, Ponzi_10,

Summary by start number:

Start 14:
• Found in 2 of 19 (10.5%) of genes in pham
• Manual Annotations of this start: 2 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kampy_36 (A4), LeoAvram_36 (A4),

Start 16:
• Found in 5 of 19 (26.3%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BabyJohn_35 (A3), Chiqui_35 (A3), DropBear_36 (A3), Giroux_36 (A3), PP_42 (A7),

Start 17:
• Found in 1 of 19 (5.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ponzi_10 (singleton),

Start 19:
• Found in 11 of 19 (57.9%) of genes in pham
• Manual Annotations of this start: 4 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Candra_40 (A6), Chartreuse_40 (A6), Colbster_41 (A3), EricB_40 (A6), Garak_41 (A6), Helmet_41 (A6), Pawn_41 (A3), Pmask_40 (A6), Snickers_41 (A3), SuperCallie99_40 (A6), Travvers_40 (A2),

Summary by clusters:

There are 6 clusters represented in this pham: singleton, A3, A2, A4, A7, A6,

Info for manual annotations of cluster A3:
•Start number 19 was manually annotated 1 time for cluster A3.

Info for manual annotations of cluster A4:
•Start number 14 was manually annotated 2 times for cluster A4.

Info for manual annotations of cluster A6:
•Start number 19 was manually annotated 3 times for cluster A6.

Info for manual annotations of cluster A7:
•Start number 16 was manually annotated 1 time for cluster A7.

Gene Information:

Gene: BabyJohn_35 Start: 27894, Stop: 27706, Start Num: 16
Candidate Starts for BabyJohn_35:
(8, 28092), (Start: 16 @27894 has 1 MA's),

Gene: Candra_40 Start: 26418, Stop: 26260, Start Num: 19
Candidate Starts for Candra_40:
(9, 26652), (13, 26505), (15, 26460), (Start: 19 @26418 has 4 MA's), (20, 26391),

Gene: Chartreuse_40 Start: 26329, Stop: 26171, Start Num: 19
Candidate Starts for Chartreuse_40:

(9, 26563), (13, 26416), (15, 26371), (Start: 19 @26329 has 4 MA's), (20, 26302),

Gene: Chiqui_35 Start: 27903, Stop: 27715, Start Num: 16
Candidate Starts for Chiqui_35:
(8, 28101), (Start: 16 @27903 has 1 MA's),

Gene: Colbster_41 Start: 28348, Stop: 28193, Start Num: 19
Candidate Starts for Colbster_41:
(6, 28603), (8, 28576), (11, 28531), (18, 28360), (Start: 19 @28348 has 4 MA's),

Gene: DropBear_36 Start: 27668, Stop: 27480, Start Num: 16
Candidate Starts for DropBear_36:
(8, 27866), (Start: 16 @27668 has 1 MA's),

Gene: EricB_40 Start: 26375, Stop: 26217, Start Num: 19
Candidate Starts for EricB_40:
(9, 26609), (13, 26462), (15, 26417), (Start: 19 @26375 has 4 MA's), (20, 26348),

Gene: Garak_41 Start: 26383, Stop: 26225, Start Num: 19
Candidate Starts for Garak_41:
(9, 26617), (13, 26470), (15, 26425), (Start: 19 @26383 has 4 MA's), (20, 26356),

Gene: Giroux_36 Start: 27600, Stop: 27412, Start Num: 16
Candidate Starts for Giroux_36:
(8, 27798), (Start: 16 @27600 has 1 MA's),

Gene: Helmet_41 Start: 26383, Stop: 26225, Start Num: 19
Candidate Starts for Helmet_41:
(9, 26617), (13, 26470), (15, 26425), (Start: 19 @26383 has 4 MA's), (20, 26356),

Gene: Kampy_36 Start: 27617, Stop: 27324, Start Num: 14
Candidate Starts for Kampy_36:
(10, 27800), (11, 27755), (Start: 14 @27617 has 2 MA's), (22, 27452), (24, 27440), (25, 27380), (26, 27368),

Gene: LeoAvram_36 Start: 27615, Stop: 27322, Start Num: 14
Candidate Starts for LeoAvram_36:
(10, 27798), (11, 27753), (Start: 14 @27615 has 2 MA's), (22, 27450), (24, 27438), (25, 27378), (26, 27366),

Gene: PP_42 Start: 32157, Stop: 31975, Start Num: 16
Candidate Starts for PP_42:
(4, 32478), (8, 32358), (Start: 16 @32157 has 1 MA's), (20, 32097), (22, 32001), (23, 31992),

Gene: Pawn_41 Start: 28174, Stop: 28019, Start Num: 19
Candidate Starts for Pawn_41:
(3, 28633), (6, 28429), (8, 28402), (11, 28357), (18, 28186), (Start: 19 @28174 has 4 MA's),

Gene: Pmask_40 Start: 26376, Stop: 26218, Start Num: 19
Candidate Starts for Pmask_40:
(9, 26610), (13, 26463), (15, 26418), (Start: 19 @26376 has 4 MA's), (20, 26349),

Gene: Ponzi_10 Start: 6957, Stop: 6748, Start Num: 17

Candidate Starts for Ponzi_10:
(1, 7536), (2, 7422), (5, 7221), (12, 7035), (17, 6957), (21, 6879), (24, 6792),

Gene: Snickers_41 Start: 28321, Stop: 28166, Start Num: 19
Candidate Starts for Snickers_41:
(6, 28576), (8, 28549), (11, 28504), (18, 28333), (Start: 19 @28321 has 4 MA's),

Gene: SuperCallie99_40 Start: 26374, Stop: 26216, Start Num: 19
Candidate Starts for SuperCallie99_40:
(9, 26608), (13, 26461), (15, 26416), (Start: 19 @26374 has 4 MA's), (20, 26347),

Gene: Travvers_40 Start: 27752, Stop: 27597, Start Num: 19
Candidate Starts for Travvers_40:
(7, 27983), (Start: 19 @27752 has 4 MA's),