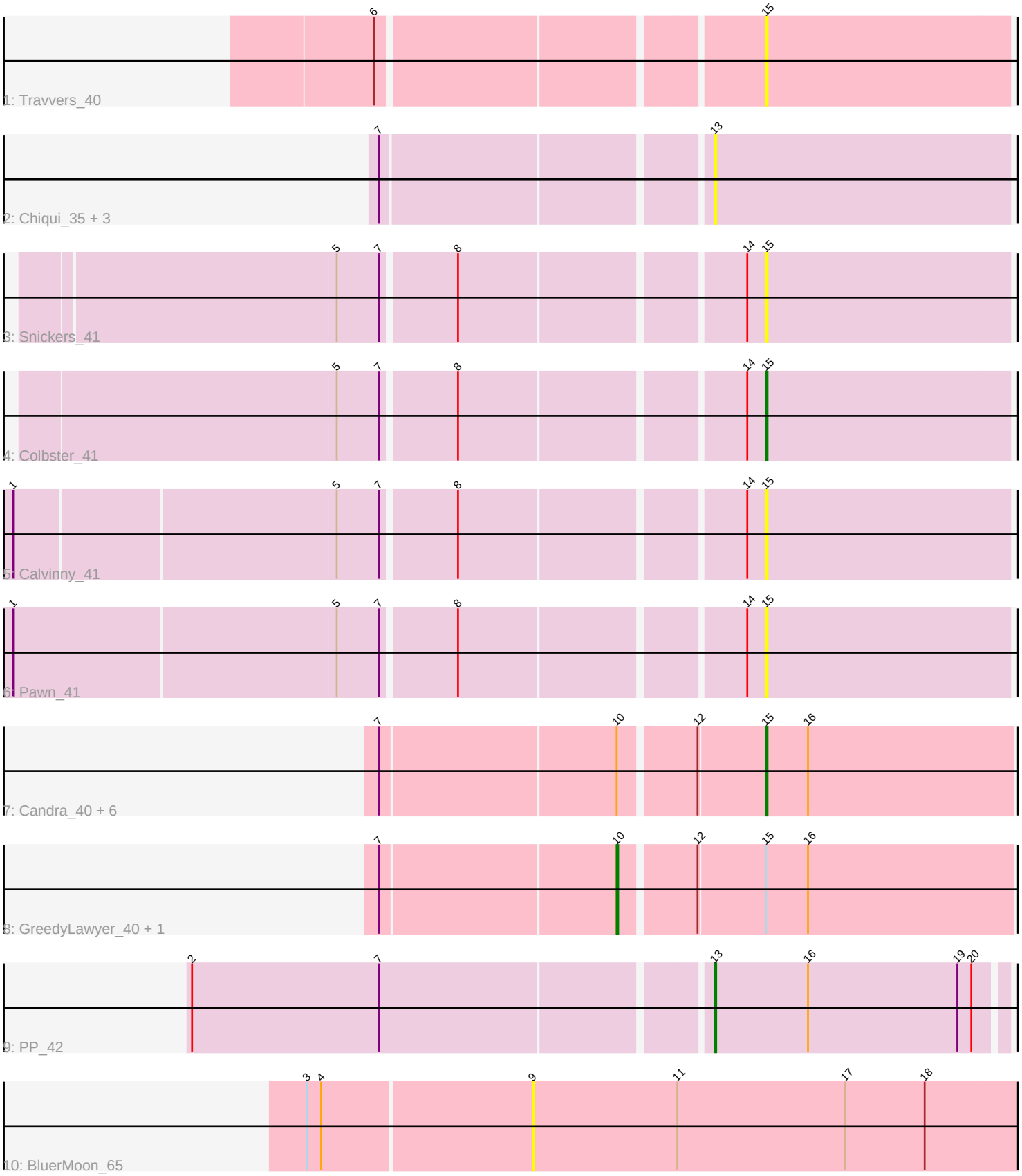
Pham 196850


6
15
1: Travvers_40
7
13
2: Chiqui_35 + 3
5
7
8
14
15
3: Snickers_41
5
7
8
14
15
4: Colbster_41
1
5
7
8
14
15
5: Calvinny_41
1
5
7
8
14
15
6: Pawn_41
7
10
12
15
16
7: Candra_40 + 6
7
10
12
15
16
8: GreedyLawyer_40 + 1
2
7
13
16
19
20
9: PP_42
3
4
9
11
17
18
10: BluerMoon_65

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 196850 Report

This analysis was run 12/09/24 on database version 580.

Pham number 196850 has 20 members, 13 are drafts.

Phages represented in each track:
• Track 1 : Travvers_40
• Track 2 : Chiqui_35, BabyJohn_35, DropBear_36, Giroux_36
• Track 3 : Snickers_41
• Track 4 : Colbster_41
• Track 5 : Calvinny_41
• Track 6 : Pawn_41
• Track 7 : Candra_40, Chartreuse_40, Helmet_41, EricB_40, Garak_41, SuperCallie99_40, Pmask_40
• Track 8 : GreedyLawyer_40, DaVinci_40
• Track 9 : PP_42
• Track 10 : BluerMoon_65

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

The start number called the most often in the published annotations is 15, it was called in 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Calvinny_41, 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:
• DaVinci_40, GreedyLawyer_40,

Genes that do not have the "Most Annotated" start:
• BabyJohn_35, BluerMoon_65, Chiqui_35, DropBear_36, Giroux_36, PP_42,

Summary by start number:

Start 9:
• 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: BluerMoon_65 (DJ),

Start 10:
• Found in 9 of 20 (45.0%) of genes in pham
• Manual Annotations of this start: 2 of 7
• Called 22.2% of time when present
• Phage (with cluster) where this start called: DaVinci_40 (A6), GreedyLawyer_40 (A6),

Start 13:
• Found in 5 of 20 (25.0%) 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 15:
• Found in 14 of 20 (70.0%) of genes in pham
• Manual Annotations of this start: 4 of 7
• Called 85.7% of time when present
• Phage (with cluster) where this start called: Calvinny_41 (A3), 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 5 clusters represented in this pham: A3, A2, DJ, A7, A6,

Info for manual annotations of cluster A3:
•Start number 15 was manually annotated 1 time for cluster A3.

Info for manual annotations of cluster A6:
•Start number 10 was manually annotated 2 times for cluster A6.
•Start number 15 was manually annotated 3 times for cluster A6.

Info for manual annotations of cluster A7:
•Start number 13 was manually annotated 1 time for cluster A7.

Gene Information:

Gene: BabyJohn_35 Start: 27894, Stop: 27706, Start Num: 13
Candidate Starts for BabyJohn_35:
(7, 28092), (Start: 13 @27894 has 1 MA's),

Gene: BluerMoon_65 Start: 46505, Stop: 46819, Start Num: 9
Candidate Starts for BluerMoon_65:
(3, 46364), (4, 46373), (9, 46505), (11, 46598), (17, 46706), (18, 46757),

Gene: Calvinny_41 Start: 28173, Stop: 28018, Start Num: 15

Candidate Starts for Calvinny_41:
(1, 28629), (5, 28428), (7, 28401), (8, 28356), (14, 28185), (Start: 15 @28173 has 4 MA's),

Gene: Candra_40 Start: 26418, Stop: 26260, Start Num: 15
Candidate Starts for Candra_40:
(7, 26652), (Start: 10 @26505 has 2 MA's), (12, 26460), (Start: 15 @26418 has 4 MA's), (16, 26391),

Gene: Chartreuse_40 Start: 26329, Stop: 26171, Start Num: 15
Candidate Starts for Chartreuse_40:
(7, 26563), (Start: 10 @26416 has 2 MA's), (12, 26371), (Start: 15 @26329 has 4 MA's), (16, 26302),

Gene: Chiqui_35 Start: 27903, Stop: 27715, Start Num: 13
Candidate Starts for Chiqui_35:
(7, 28101), (Start: 13 @27903 has 1 MA's),

Gene: Colbster_41 Start: 28348, Stop: 28193, Start Num: 15
Candidate Starts for Colbster_41:
(5, 28603), (7, 28576), (8, 28531), (14, 28360), (Start: 15 @28348 has 4 MA's),

Gene: DaVinci_40 Start: 26470, Stop: 26225, Start Num: 10
Candidate Starts for DaVinci_40:
(7, 26617), (Start: 10 @26470 has 2 MA's), (12, 26425), (Start: 15 @26383 has 4 MA's), (16, 26356),

Gene: DropBear_36 Start: 27668, Stop: 27480, Start Num: 13
Candidate Starts for DropBear_36:
(7, 27866), (Start: 13 @27668 has 1 MA's),

Gene: EricB_40 Start: 26375, Stop: 26217, Start Num: 15
Candidate Starts for EricB_40:
(7, 26609), (Start: 10 @26462 has 2 MA's), (12, 26417), (Start: 15 @26375 has 4 MA's), (16, 26348),

Gene: Garak_41 Start: 26383, Stop: 26225, Start Num: 15
Candidate Starts for Garak_41:
(7, 26617), (Start: 10 @26470 has 2 MA's), (12, 26425), (Start: 15 @26383 has 4 MA's), (16, 26356),

Gene: Giroux_36 Start: 27600, Stop: 27412, Start Num: 13
Candidate Starts for Giroux_36:
(7, 27798), (Start: 13 @27600 has 1 MA's),

Gene: GreedyLawyer_40 Start: 26469, Stop: 26224, Start Num: 10
Candidate Starts for GreedyLawyer_40:
(7, 26616), (Start: 10 @26469 has 2 MA's), (12, 26424), (Start: 15 @26382 has 4 MA's), (16, 26355),

Gene: Helmet_41 Start: 26383, Stop: 26225, Start Num: 15
Candidate Starts for Helmet_41:
(7, 26617), (Start: 10 @26470 has 2 MA's), (12, 26425), (Start: 15 @26383 has 4 MA's), (16, 26356),

Gene: PP_42 Start: 32157, Stop: 31975, Start Num: 13
Candidate Starts for PP_42:
(2, 32478), (7, 32358), (Start: 13 @32157 has 1 MA's), (16, 32097), (19, 32001), (20, 31992),

Gene: Pawn_41 Start: 28174, Stop: 28019, Start Num: 15
Candidate Starts for Pawn_41:

(1, 28633), (5, 28429), (7, 28402), (8, 28357), (14, 28186), (Start: 15 @28174 has 4 MA's),

Gene: Pmask_40 Start: 26376, Stop: 26218, Start Num: 15
Candidate Starts for Pmask_40:
(7, 26610), (Start: 10 @26463 has 2 MA's), (12, 26418), (Start: 15 @26376 has 4 MA's), (16, 26349),

Gene: Snickers_41 Start: 28321, Stop: 28166, Start Num: 15
Candidate Starts for Snickers_41:
(5, 28576), (7, 28549), (8, 28504), (14, 28333), (Start: 15 @28321 has 4 MA's),

Gene: SuperCallie99_40 Start: 26374, Stop: 26216, Start Num: 15
Candidate Starts for SuperCallie99_40:
(7, 26608), (Start: 10 @26461 has 2 MA's), (12, 26416), (Start: 15 @26374 has 4 MA's), (16, 26347),

Gene: Travvers_40 Start: 27752, Stop: 27597, Start Num: 15
Candidate Starts for Travvers_40:
(6, 27983), (Start: 15 @27752 has 4 MA's),