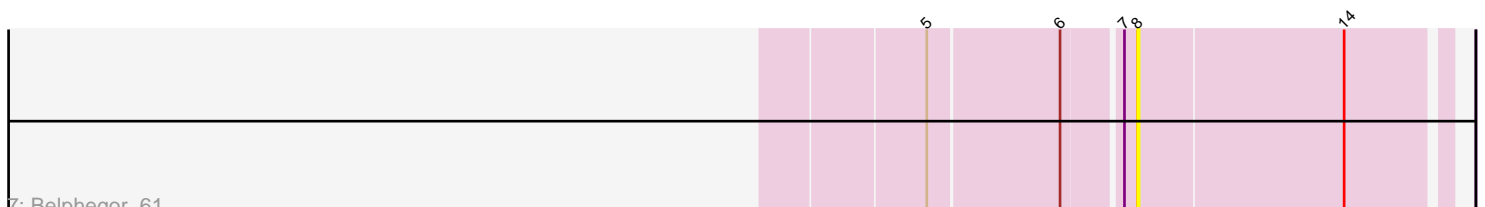
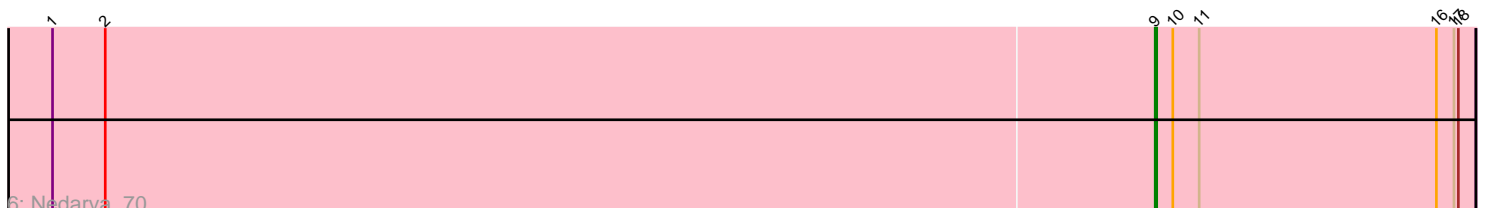
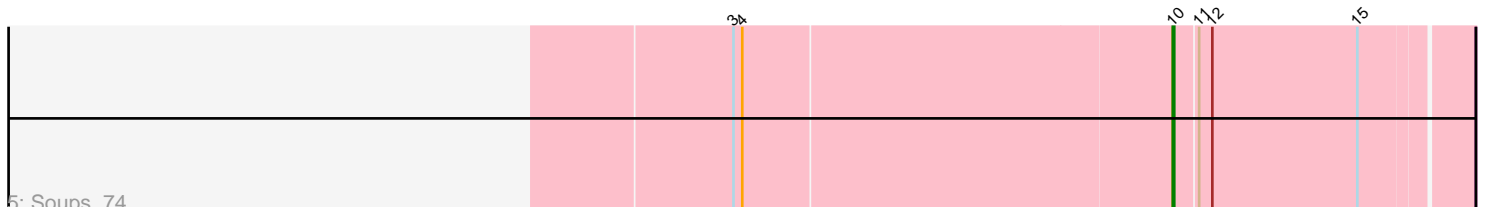
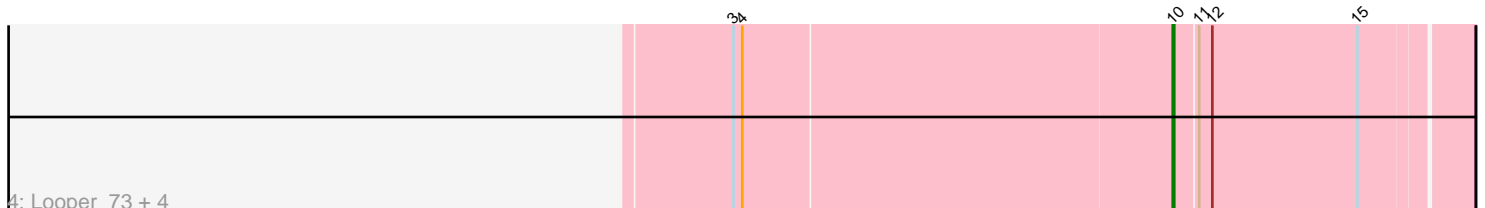
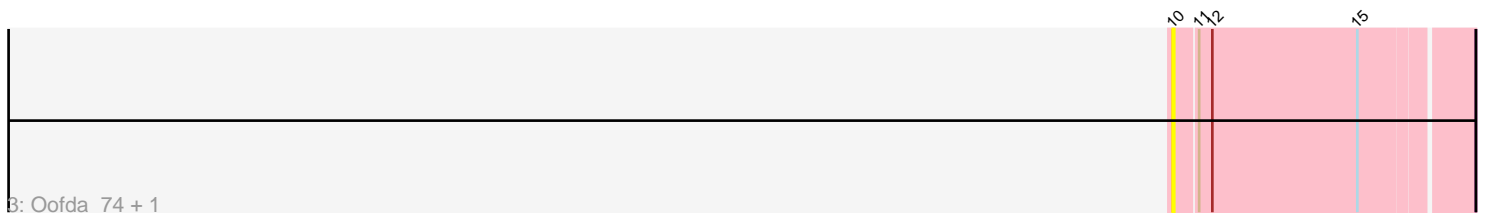
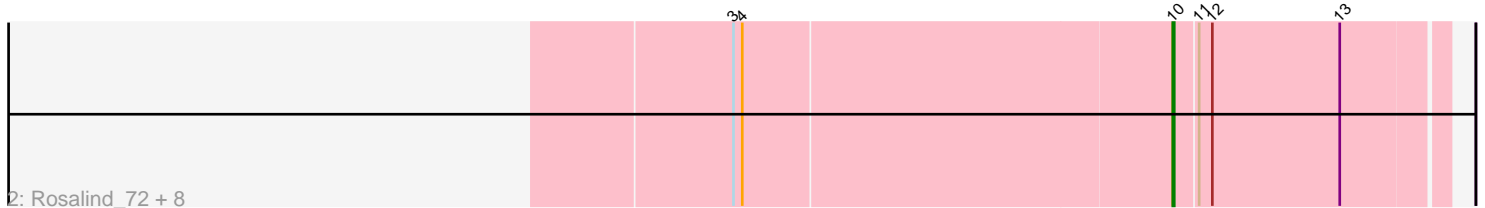
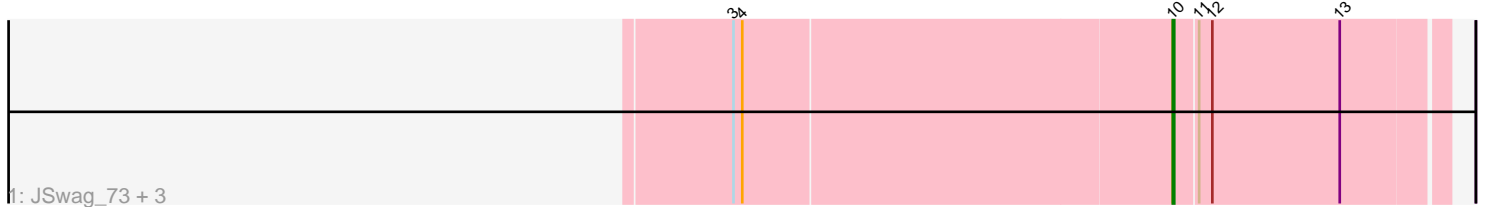


Pham 216524



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 216524 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216524 has 23 members, 3 are drafts.

Phages represented in each track:

- Track 1 : JSwag_73, Strosahl_74, Waits_74, Remus_74
- Track 2 : Rosalind_72, KatherineG_74, Switzerland_73, MinecraftSteve_74, Epsocamisio_70, DekHockey33_75, ShayRa_74, Nebulosus_71, Battleship_76
- Track 3 : Oofda_74, Warrior24_76
- Track 4 : Looper_73, Boohoo_74, LastResort_72, ReMo_72, Anaysia_74
- Track 5 : Soups_74
- Track 6 : Nedarya_70
- Track 7 : Belphegor_61

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

The start number called the most often in the published annotations is 10, it was called in 19 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Anaysia_74, Battleship_76, Boohoo_74, DekHockey33_75, Epsocamisio_70, JSwag_73, KatherineG_74, LastResort_72, Looper_73, MinecraftSteve_74, Nebulosus_71, Oofda_74, ReMo_72, Remus_74, Rosalind_72, ShayRa_74, Soups_74, Strosahl_74, Switzerland_73, Waits_74, Warrior24_76,

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

- Nedarya_70,

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

- Belphegor_61,

Summary by start number:

Start 8:

- Found in 1 of 23 (4.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Belphegor_61 (DE),

Start 9:

- Found in 1 of 23 (4.3%) of genes in pham
- Manual Annotations of this start: 1 of 20
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Nedarya_70 (A15),

Start 10:

- Found in 22 of 23 (95.7%) of genes in pham
- Manual Annotations of this start: 19 of 20
- Called 95.5% of time when present
- Phage (with cluster) where this start called: Anaysia_74 (A15), Battleship_76 (A15), Boohoo_74 (A15), DekHockey33_75 (A15), Epsocamisio_70 (A15), JSwag_73 (A15), KatherineG_74 (A15), LastResort_72 (A15), Looper_73 (A15), MinecraftSteve_74 (A15), Nebulosus_71 (A15), Oofda_74 (A15), ReMo_72 (A15), Remus_74 (A15), Rosalind_72 (A15), ShayRa_74 (A15), Soups_74 (A15), Strosahl_74 (A15), Switzerland_73 (A15), Waits_74 (A15), Warrior24_76 (A15),

Summary by clusters:

There are 2 clusters represented in this pham: A15, DE,

Info for manual annotations of cluster A15:

- Start number 9 was manually annotated 1 time for cluster A15.
- Start number 10 was manually annotated 19 times for cluster A15.

Gene Information:

Gene: Anaysia_74 Start: 40835, Stop: 40641, Start Num: 10

Candidate Starts for Anaysia_74:

(3, 41129), (4, 41123), (Start: 10 @40835 has 19 MA's), (11, 40820), (12, 40811), (15, 40712),

Gene: Battleship_76 Start: 41041, Stop: 40862, Start Num: 10

Candidate Starts for Battleship_76:

(3, 41335), (4, 41329), (Start: 10 @41041 has 19 MA's), (11, 41026), (12, 41017), (13, 40930),

Gene: Belphegor_61 Start: 49602, Stop: 49805, Start Num: 8

Candidate Starts for Belphegor_61:

(5, 49470), (6, 49557), (7, 49593), (8, 49602), (14, 49740),

Gene: Boohoo_74 Start: 40835, Stop: 40641, Start Num: 10

Candidate Starts for Boohoo_74:

(3, 41129), (4, 41123), (Start: 10 @40835 has 19 MA's), (11, 40820), (12, 40811), (15, 40712),

Gene: DekHockey33_75 Start: 41126, Stop: 40947, Start Num: 10

Candidate Starts for DekHockey33_75:

(3, 41420), (4, 41414), (Start: 10 @41126 has 19 MA's), (11, 41111), (12, 41102), (13, 41015),

Gene: Epsocamisio_70 Start: 40273, Stop: 40094, Start Num: 10

Candidate Starts for Epsocamisio_70:

(3, 40567), (4, 40561), (Start: 10 @40273 has 19 MA's), (11, 40258), (12, 40249), (13, 40162),

Gene: JSwag_73 Start: 40558, Stop: 40379, Start Num: 10

Candidate Starts for JSwag_73:

(3, 40852), (4, 40846), (Start: 10 @40558 has 19 MA's), (11, 40543), (12, 40534), (13, 40447),

Gene: KatherineG_74 Start: 41031, Stop: 40852, Start Num: 10

Candidate Starts for KatherineG_74:

(3, 41325), (4, 41319), (Start: 10 @41031 has 19 MA's), (11, 41016), (12, 41007), (13, 40920),

Gene: LastResort_72 Start: 40611, Stop: 40417, Start Num: 10

Candidate Starts for LastResort_72:

(3, 40905), (4, 40899), (Start: 10 @40611 has 19 MA's), (11, 40596), (12, 40587), (15, 40488),

Gene: Looper_73 Start: 40523, Stop: 40329, Start Num: 10

Candidate Starts for Looper_73:

(3, 40817), (4, 40811), (Start: 10 @40523 has 19 MA's), (11, 40508), (12, 40499), (15, 40400),

Gene: MinecraftSteve_74 Start: 40846, Stop: 40667, Start Num: 10

Candidate Starts for MinecraftSteve_74:

(3, 41140), (4, 41134), (Start: 10 @40846 has 19 MA's), (11, 40831), (12, 40822), (13, 40735),

Gene: Nebulosus_71 Start: 40510, Stop: 40331, Start Num: 10

Candidate Starts for Nebulosus_71:

(3, 40804), (4, 40798), (Start: 10 @40510 has 19 MA's), (11, 40495), (12, 40486), (13, 40399),

Gene: Nedarya_70 Start: 40759, Stop: 40541, Start Num: 9

Candidate Starts for Nedarya_70:

(1, 41509), (2, 41473), (Start: 9 @40759 has 1 MA's), (Start: 10 @40747 has 19 MA's), (11, 40729), (16, 40567), (17, 40555), (18, 40552),

Gene: Oofda_74 Start: 40724, Stop: 40530, Start Num: 10

Candidate Starts for Oofda_74:

(Start: 10 @40724 has 19 MA's), (11, 40709), (12, 40700), (15, 40601),

Gene: ReMo_72 Start: 40608, Stop: 40414, Start Num: 10

Candidate Starts for ReMo_72:

(3, 40902), (4, 40896), (Start: 10 @40608 has 19 MA's), (11, 40593), (12, 40584), (15, 40485),

Gene: Remus_74 Start: 40598, Stop: 40419, Start Num: 10

Candidate Starts for Remus_74:

(3, 40892), (4, 40886), (Start: 10 @40598 has 19 MA's), (11, 40583), (12, 40574), (13, 40487),

Gene: Rosalind_72 Start: 40765, Stop: 40586, Start Num: 10

Candidate Starts for Rosalind_72:

(3, 41059), (4, 41053), (Start: 10 @40765 has 19 MA's), (11, 40750), (12, 40741), (13, 40654),

Gene: ShayRa_74 Start: 40794, Stop: 40615, Start Num: 10

Candidate Starts for ShayRa_74:

(3, 41088), (4, 41082), (Start: 10 @40794 has 19 MA's), (11, 40779), (12, 40770), (13, 40683),

Gene: Soups_74 Start: 41058, Stop: 40864, Start Num: 10

Candidate Starts for Soups_74:

(3, 41352), (4, 41346), (Start: 10 @41058 has 19 MA's), (11, 41043), (12, 41034), (15, 40935),

Gene: Strosahl_74 Start: 40598, Stop: 40419, Start Num: 10

Candidate Starts for Strosahl_74:

(3, 40892), (4, 40886), (Start: 10 @40598 has 19 MA's), (11, 40583), (12, 40574), (13, 40487),

Gene: Switzerland_73 Start: 40933, Stop: 40754, Start Num: 10

Candidate Starts for Switzerland_73:

(3, 41227), (4, 41221), (Start: 10 @40933 has 19 MA's), (11, 40918), (12, 40909), (13, 40822),

Gene: Waits_74 Start: 40830, Stop: 40651, Start Num: 10

Candidate Starts for Waits_74:

(3, 41124), (4, 41118), (Start: 10 @40830 has 19 MA's), (11, 40815), (12, 40806), (13, 40719),

Gene: Warrior24_76 Start: 41179, Stop: 40985, Start Num: 10

Candidate Starts for Warrior24_76:

(Start: 10 @41179 has 19 MA's), (11, 41164), (12, 41155), (15, 41056),