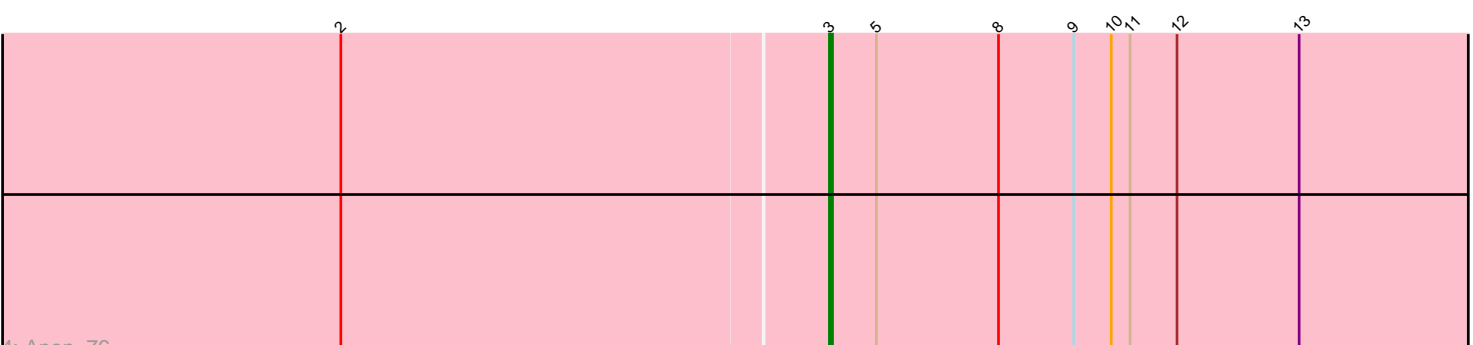
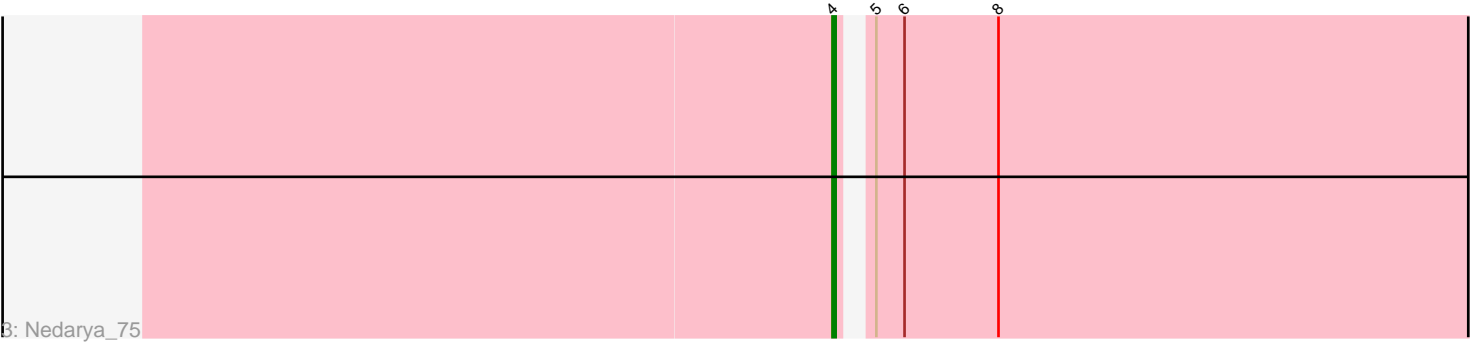
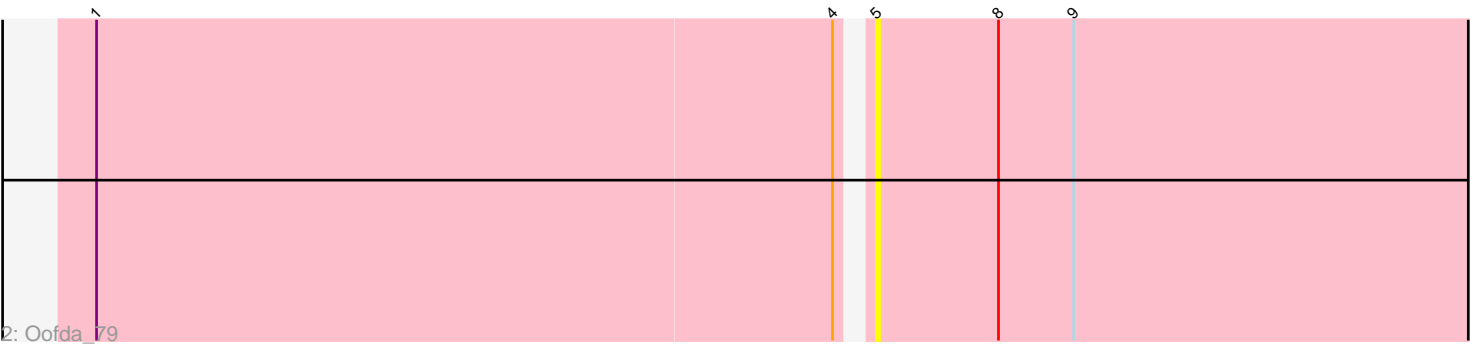


Pham 3713



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 3713 Report

This analysis was run 04/28/24 on database version 559.

Pham number 3713 has 22 members, 1 are drafts.

Phages represented in each track:

- Track 1 : LastResort_77, JSwag_78, Epsocamisio_75, Strosahl_80, KatherineG_79, Looper_78, ReMo_77, Waits_79, Switzerland_78, Boohoo_79, MinecraftSteve_79, Soups_79, Nebulosus_76, DekHockey33_80, Rosalind_77, ShayRa_79, Remus_80, Battleship_81, Anaysia_79
- Track 2 : Oofda_79
- Track 3 : Nedarya_75
- Track 4 : Anon_76

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

The start number called the most often in the published annotations is 4, it was called in 20 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Anaysia_79, Battleship_81, Boohoo_79, DekHockey33_80, Epsocamisio_75, JSwag_78, KatherineG_79, LastResort_77, Looper_78, MinecraftSteve_79, Nebulosus_76, Nedarya_75, ReMo_77, Remus_80, Rosalind_77, ShayRa_79, Soups_79, Strosahl_80, Switzerland_78, Waits_79,

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

- Oofda_79,

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

- Anon_76,

Summary by start number:

Start 3:

- Found in 1 of 22 (4.5%) of genes in pham
- Manual Annotations of this start: 1 of 21
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Anon_76 (A15),

Start 4:

- Found in 21 of 22 (95.5%) of genes in pham
- Manual Annotations of this start: 20 of 21
- Called 95.2% of time when present
- Phage (with cluster) where this start called: Anaysia_79 (A15), Battleship_81 (A15), Boohoo_79 (A15), DekHockey33_80 (A15), Epsocamisio_75 (A15), JSwag_78 (A15), KatherineG_79 (A15), LastResort_77 (A15), Looper_78 (A15), MinecraftSteve_79 (A15), Nebulosus_76 (A15), Nedarya_75 (A15), ReMo_77 (A15), Remus_80 (A15), Rosalind_77 (A15), ShayRa_79 (A15), Soups_79 (A15), Strosahl_80 (A15), Switzerland_78 (A15), Waits_79 (A15),

Start 5:

- Found in 22 of 22 (100.0%) of genes in pham
- No Manual Annotations of this start.
- Called 4.5% of time when present
- Phage (with cluster) where this start called: Oofda_79 (A15),

Summary by clusters:

There is one cluster represented in this pham: A15

Info for manual annotations of cluster A15:

- Start number 3 was manually annotated 1 time for cluster A15.
- Start number 4 was manually annotated 20 times for cluster A15.

Gene Information:

Gene: Anaysia_79 Start: 43424, Stop: 43230, Start Num: 4

Candidate Starts for Anaysia_79:

(Start: 4 @43424 has 20 MA's), (5, 43418), (7, 43406), (8, 43379), (9, 43355), (14, 43259),

Gene: Anon_76 Start: 43118, Stop: 42912, Start Num: 3

Candidate Starts for Anon_76:

(2, 43271), (Start: 3 @43118 has 1 MA's), (5, 43103), (8, 43064), (9, 43040), (10, 43028), (11, 43022), (12, 43007), (13, 42968),

Gene: Battleship_81 Start: 43297, Stop: 43103, Start Num: 4

Candidate Starts for Battleship_81:

(Start: 4 @43297 has 20 MA's), (5, 43291), (7, 43279), (8, 43252), (9, 43228), (14, 43132),

Gene: Boohoo_79 Start: 43424, Stop: 43230, Start Num: 4

Candidate Starts for Boohoo_79:

(Start: 4 @43424 has 20 MA's), (5, 43418), (7, 43406), (8, 43379), (9, 43355), (14, 43259),

Gene: DekHockey33_80 Start: 43382, Stop: 43188, Start Num: 4

Candidate Starts for DekHockey33_80:

(Start: 4 @43382 has 20 MA's), (5, 43376), (7, 43364), (8, 43337), (9, 43313), (14, 43217),

Gene: Epsocamisio_75 Start: 42520, Stop: 42326, Start Num: 4

Candidate Starts for Epsocamisio_75:

(Start: 4 @42520 has 20 MA's), (5, 42514), (7, 42502), (8, 42475), (9, 42451), (14, 42355),

Gene: JSwag_78 Start: 42805, Stop: 42611, Start Num: 4
Candidate Starts for JSwag_78:
(Start: 4 @42805 has 20 MA's), (5, 42799), (7, 42787), (8, 42760), (9, 42736), (14, 42640),

Gene: KatherineG_79 Start: 43269, Stop: 43075, Start Num: 4
Candidate Starts for KatherineG_79:
(Start: 4 @43269 has 20 MA's), (5, 43263), (7, 43251), (8, 43224), (9, 43200), (14, 43104),

Gene: LastResort_77 Start: 43200, Stop: 43006, Start Num: 4
Candidate Starts for LastResort_77:
(Start: 4 @43200 has 20 MA's), (5, 43194), (7, 43182), (8, 43155), (9, 43131), (14, 43035),

Gene: Looper_78 Start: 43112, Stop: 42918, Start Num: 4
Candidate Starts for Looper_78:
(Start: 4 @43112 has 20 MA's), (5, 43106), (7, 43094), (8, 43067), (9, 43043), (14, 42947),

Gene: MinecraftSteve_79 Start: 43093, Stop: 42899, Start Num: 4
Candidate Starts for MinecraftSteve_79:
(Start: 4 @43093 has 20 MA's), (5, 43087), (7, 43075), (8, 43048), (9, 43024), (14, 42928),

Gene: Nebulosus_76 Start: 42757, Stop: 42563, Start Num: 4
Candidate Starts for Nebulosus_76:
(Start: 4 @42757 has 20 MA's), (5, 42751), (7, 42739), (8, 42712), (9, 42688), (14, 42592),

Gene: Nedarya_75 Start: 43353, Stop: 43159, Start Num: 4
Candidate Starts for Nedarya_75:
(Start: 4 @43353 has 20 MA's), (5, 43347), (6, 43338), (8, 43308),

Gene: Oofda_79 Start: 43440, Stop: 43252, Start Num: 5
Candidate Starts for Oofda_79:
(1, 43680), (Start: 4 @43446 has 20 MA's), (5, 43440), (8, 43401), (9, 43377),

Gene: ReMo_77 Start: 43197, Stop: 43003, Start Num: 4
Candidate Starts for ReMo_77:
(Start: 4 @43197 has 20 MA's), (5, 43191), (7, 43179), (8, 43152), (9, 43128), (14, 43032),

Gene: Remus_80 Start: 43525, Stop: 43331, Start Num: 4
Candidate Starts for Remus_80:
(Start: 4 @43525 has 20 MA's), (5, 43519), (7, 43507), (8, 43480), (9, 43456), (14, 43360),

Gene: Rosalind_77 Start: 43021, Stop: 42827, Start Num: 4
Candidate Starts for Rosalind_77:
(Start: 4 @43021 has 20 MA's), (5, 43015), (7, 43003), (8, 42976), (9, 42952), (14, 42856),

Gene: ShayRa_79 Start: 43050, Stop: 42856, Start Num: 4
Candidate Starts for ShayRa_79:
(Start: 4 @43050 has 20 MA's), (5, 43044), (7, 43032), (8, 43005), (9, 42981), (14, 42885),

Gene: Soups_79 Start: 43314, Stop: 43120, Start Num: 4
Candidate Starts for Soups_79:
(Start: 4 @43314 has 20 MA's), (5, 43308), (7, 43296), (8, 43269), (9, 43245), (14, 43149),

Gene: Strosahl_80 Start: 43525, Stop: 43331, Start Num: 4

Candidate Starts for Strosahl_80:

(Start: 4 @43525 has 20 MA's), (5, 43519), (7, 43507), (8, 43480), (9, 43456), (14, 43360),

Gene: Switzerland_78 Start: 43189, Stop: 42995, Start Num: 4

Candidate Starts for Switzerland_78:

(Start: 4 @43189 has 20 MA's), (5, 43183), (7, 43171), (8, 43144), (9, 43120), (14, 43024),

Gene: Waits_79 Start: 43425, Stop: 43231, Start Num: 4

Candidate Starts for Waits_79:

(Start: 4 @43425 has 20 MA's), (5, 43419), (7, 43407), (8, 43380), (9, 43356), (14, 43260),