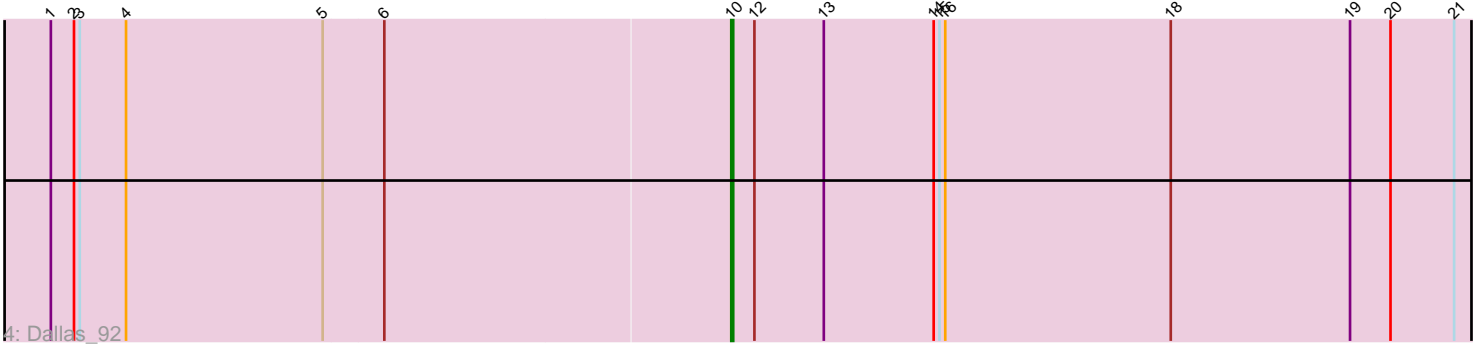
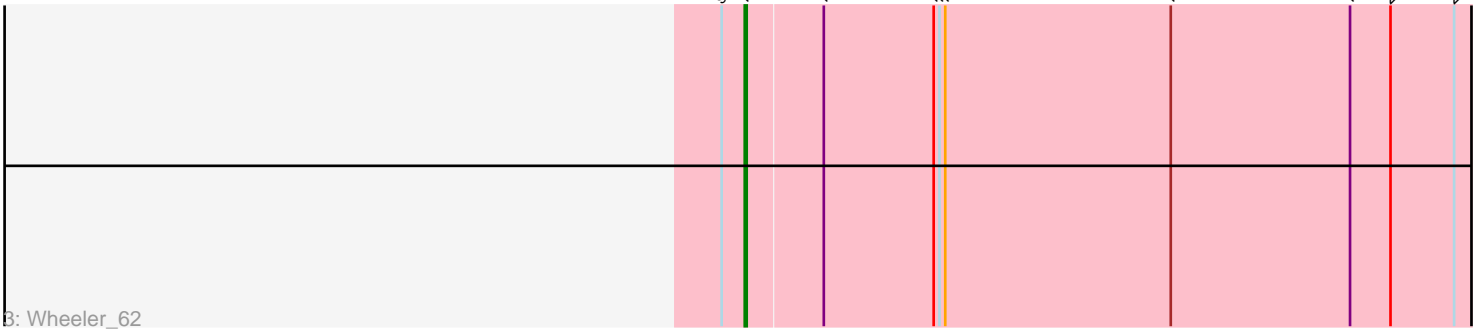
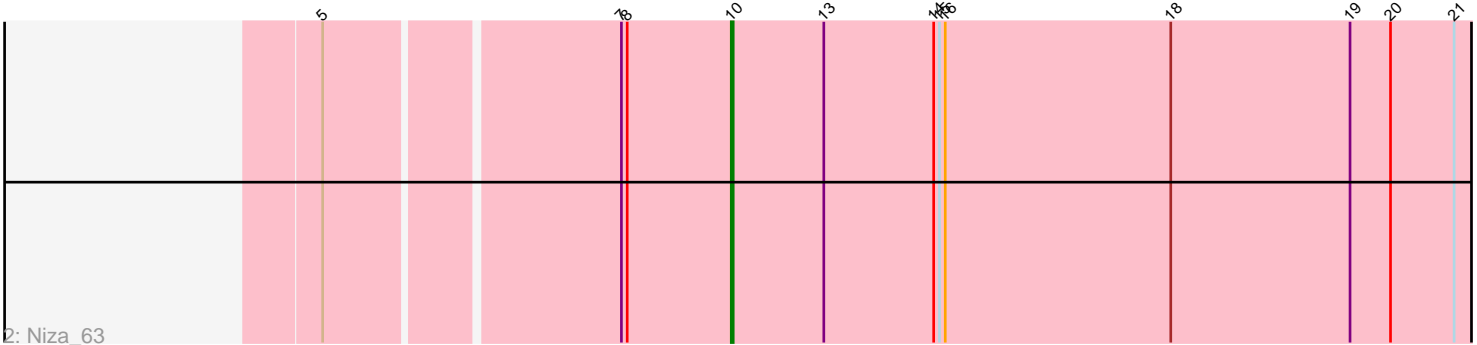
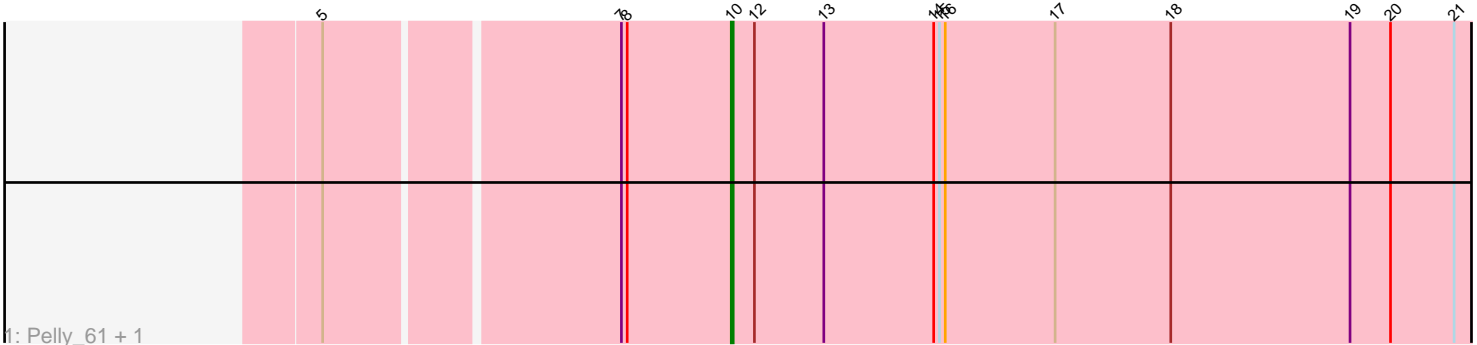


Zoomed Pham 9326



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 9326 Report

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

Pham number 9326 has 5 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Pelly_61, Dexes_61
- Track 2 : Niza_63
- Track 3 : Wheeler_62
- Track 4 : Dallas_92

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 3 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Dallas_92, Dexes_61, Niza_63, Pelly_61,

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

-

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

- Wheeler_62,

Summary by start number:

Start 10:

- Found in 4 of 5 (80.0%) of genes in pham
- Manual Annotations of this start: 3 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dallas_92 (J), Dexes_61 (A1), Niza_63 (A1), Pelly_61 (A1),

Start 11:

- Found in 1 of 5 (20.0%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Wheeler_62 (A1),

Summary by clusters:

There are 2 clusters represented in this pham: A1, J,

Info for manual annotations of cluster A1:

- Start number 10 was manually annotated 2 times for cluster A1.
- Start number 11 was manually annotated 1 time for cluster A1.

Info for manual annotations of cluster J:

- Start number 10 was manually annotated 1 time for cluster J.

Gene Information:

Gene: Dallas_92 Start: 56377, Stop: 57273, Start Num: 10

Candidate Starts for Dallas_92:

(1, 56029), (2, 56041), (3, 56044), (4, 56068), (5, 56170), (6, 56200), (Start: 10 @56377 has 3 MA's), (12, 56389), (13, 56425), (14, 56482), (15, 56485), (16, 56488), (18, 56605), (19, 56698), (20, 56719), (21, 56752), (22, 56818), (23, 56848), (24, 56851), (25, 56890), (26, 56935), (27, 57094), (28, 57097), (29, 57154), (30, 57193), (31, 57205), (32, 57262),

Gene: Dexes_61 Start: 41633, Stop: 40818, Start Num: 10

Candidate Starts for Dexes_61:

(5, 41834), (7, 41690), (8, 41687), (Start: 10 @41633 has 3 MA's), (12, 41621), (13, 41585), (14, 41528), (15, 41525), (16, 41522), (17, 41465), (18, 41405), (19, 41312), (20, 41291), (21, 41258), (22, 41192), (23, 41162), (24, 41159), (25, 41120), (26, 41075), (27, 40916), (28, 40913), (29, 40856),

Gene: Niza_63 Start: 42800, Stop: 41985, Start Num: 10

Candidate Starts for Niza_63:

(5, 43001), (7, 42857), (8, 42854), (Start: 10 @42800 has 3 MA's), (13, 42752), (14, 42695), (15, 42692), (16, 42689), (18, 42572), (19, 42479), (20, 42458), (21, 42425), (22, 42359), (23, 42329), (24, 42326), (25, 42287), (26, 42242), (27, 42083), (28, 42080), (29, 42023),

Gene: Pelly_61 Start: 42872, Stop: 42057, Start Num: 10

Candidate Starts for Pelly_61:

(5, 43073), (7, 42929), (8, 42926), (Start: 10 @42872 has 3 MA's), (12, 42860), (13, 42824), (14, 42767), (15, 42764), (16, 42761), (17, 42704), (18, 42644), (19, 42551), (20, 42530), (21, 42497), (22, 42431), (23, 42401), (24, 42398), (25, 42359), (26, 42314), (27, 42155), (28, 42152), (29, 42095),

Gene: Wheeler_62 Start: 41164, Stop: 40346, Start Num: 11

Candidate Starts for Wheeler_62:

(9, 41176), (Start: 11 @41164 has 1 MA's), (13, 41125), (14, 41068), (15, 41065), (16, 41062), (18, 40945), (19, 40852), (20, 40831), (21, 40798), (22, 40732), (23, 40702), (24, 40699), (25, 40660), (26, 40615), (27, 40456), (28, 40453), (29, 40396),