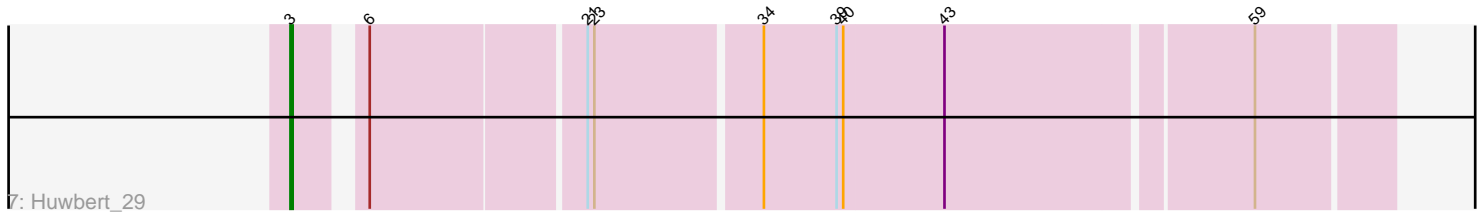
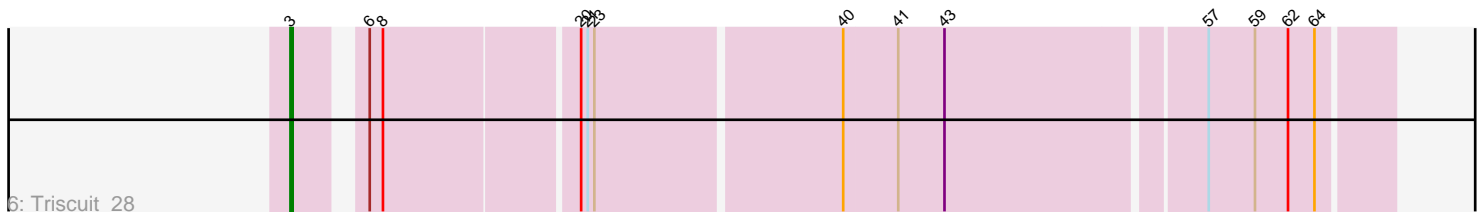
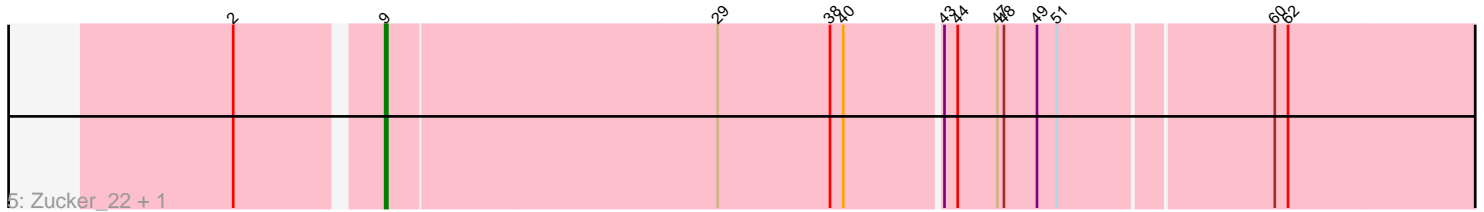
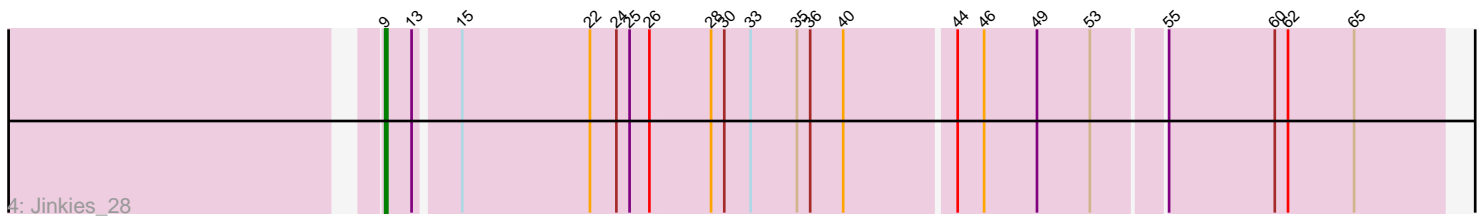
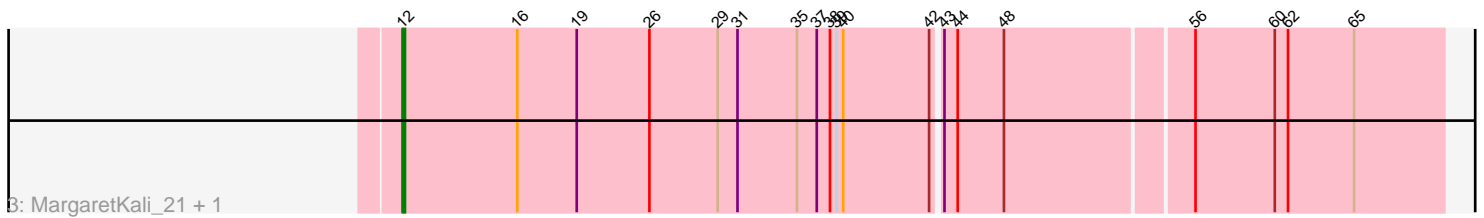
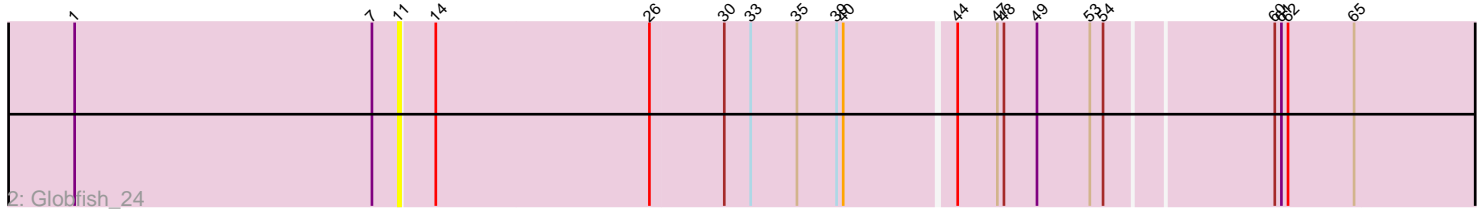
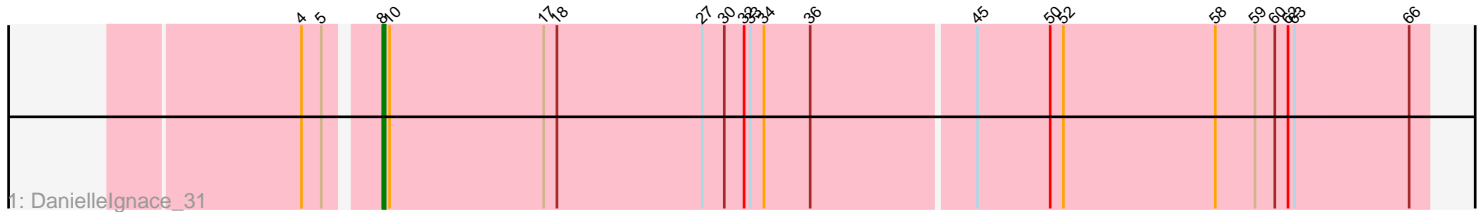


Pham 87681



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 87681 Report

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

Pham number 87681 has 9 members, 1 are drafts.

Phages represented in each track:

- Track 1 : DanielleIgnace_31
- Track 2 : Globfish_24
- Track 3 : MargaretKali_21, Kumotta_21
- Track 4 : Jinkies_28
- Track 5 : Zucker_22, Bauer_23
- Track 6 : Triscuit_28
- Track 7 : Huwbert_29

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

The start number called the most often in the published annotations is 9, it was called in 3 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bauer_23, Jinkies_28, Zucker_22,

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

-

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

- DanielleIgnace_31, Globfish_24, Huwbert_29, Kumotta_21, MargaretKali_21, Triscuit_28,

Summary by start number:

Start 3:

- Found in 2 of 9 (22.2%) of genes in pham
- Manual Annotations of this start: 2 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Huwbert_29 (GG), Triscuit_28 (GG),

Start 8:

- Found in 2 of 9 (22.2%) of genes in pham
- Manual Annotations of this start: 1 of 8

- Called 50.0% of time when present
- Phage (with cluster) where this start called: DanielleIgnace_31 (AT),

Start 9:

- Found in 3 of 9 (33.3%) of genes in pham
- Manual Annotations of this start: 3 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bauer_23 (FN), Jinkies_28 (FL), Zucker_22 (FN),

Start 11:

- Found in 1 of 9 (11.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Globfish_24 (AY),

Start 12:

- Found in 2 of 9 (22.2%) of genes in pham
- Manual Annotations of this start: 2 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kumotta_21 (FB), MargaretKali_21 (FB),

Summary by clusters:

There are 6 clusters represented in this pham: GG, FB, AT, AY, FL, FN,

Info for manual annotations of cluster AT:

- Start number 8 was manually annotated 1 time for cluster AT.

Info for manual annotations of cluster FB:

- Start number 12 was manually annotated 2 times for cluster FB.

Info for manual annotations of cluster FL:

- Start number 9 was manually annotated 1 time for cluster FL.

Info for manual annotations of cluster FN:

- Start number 9 was manually annotated 2 times for cluster FN.

Info for manual annotations of cluster GG:

- Start number 3 was manually annotated 2 times for cluster GG.

Gene Information:

Gene: Bauer_23 Start: 18123, Stop: 18623, Start Num: 9

Candidate Starts for Bauer_23:

(2, 18063), (Start: 9 @18123 has 3 MA's), (29, 18270), (38, 18321), (40, 18327), (43, 18369), (44, 18375), (47, 18393), (48, 18396), (49, 18411), (51, 18420), (60, 18513), (62, 18519),

Gene: DanielleIgnace_31 Start: 28090, Stop: 28557, Start Num: 8

Candidate Starts for DanielleIgnace_31:

(4, 28060), (5, 28069), (Start: 8 @28090 has 1 MA's), (10, 28093), (17, 28162), (18, 28168), (27, 28234), (30, 28243), (32, 28252), (33, 28255), (34, 28261), (36, 28282), (45, 28354), (50, 28387), (52, 28393), (58, 28462), (59, 28480), (60, 28489), (62, 28495), (63, 28498), (66, 28549),

Gene: Globfish_24 Start: 18633, Stop: 19127, Start Num: 11

Candidate Starts for Globfish_24:

(1, 18486), (7, 18621), (11, 18633), (14, 18648), (26, 18744), (30, 18777), (33, 18789), (35, 18810), (39, 18828), (40, 18831), (44, 18879), (47, 18897), (48, 18900), (49, 18915), (53, 18939), (54, 18945), (60, 19017), (61, 19020), (62, 19023), (65, 19053),

Gene: Huwbert_29 Start: 11359, Stop: 11823, Start Num: 3

Candidate Starts for Huwbert_29:

(Start: 3 @11359 has 2 MA's), (6, 11383), (21, 11476), (23, 11479), (34, 11551), (39, 11584), (40, 11587), (43, 11632), (59, 11764),

Gene: Jinkies_28 Start: 22971, Stop: 23432, Start Num: 9

Candidate Starts for Jinkies_28:

(Start: 9 @22971 has 3 MA's), (13, 22983), (15, 23001), (22, 23058), (24, 23070), (25, 23076), (26, 23085), (28, 23112), (30, 23118), (33, 23130), (35, 23151), (36, 23157), (40, 23172), (44, 23220), (46, 23232), (49, 23256), (53, 23280), (55, 23310), (60, 23358), (62, 23364), (65, 23394),

Gene: Kumotta_21 Start: 17155, Stop: 17613, Start Num: 12

Candidate Starts for Kumotta_21:

(Start: 12 @17155 has 2 MA's), (16, 17206), (19, 17233), (26, 17266), (29, 17296), (31, 17305), (35, 17332), (37, 17341), (38, 17347), (39, 17350), (40, 17353), (42, 17392), (43, 17395), (44, 17401), (48, 17422), (56, 17503), (60, 17539), (62, 17545), (65, 17575),

Gene: MargaretKali_21 Start: 16790, Stop: 17248, Start Num: 12

Candidate Starts for MargaretKali_21:

(Start: 12 @16790 has 2 MA's), (16, 16841), (19, 16868), (26, 16901), (29, 16931), (31, 16940), (35, 16967), (37, 16976), (38, 16982), (39, 16985), (40, 16988), (42, 17027), (43, 17030), (44, 17036), (48, 17057), (56, 17138), (60, 17174), (62, 17180), (65, 17210),

Gene: Triscuit_28 Start: 11275, Stop: 11739, Start Num: 3

Candidate Starts for Triscuit_28:

(Start: 3 @11275 has 2 MA's), (6, 11299), (Start: 8 @11305 has 1 MA's), (20, 11389), (21, 11392), (23, 11395), (40, 11503), (41, 11527), (43, 11548), (57, 11659), (59, 11680), (62, 11695), (64, 11707),

Gene: Zucker_22 Start: 17436, Stop: 17936, Start Num: 9

Candidate Starts for Zucker_22:

(2, 17376), (Start: 9 @17436 has 3 MA's), (29, 17583), (38, 17634), (40, 17640), (43, 17682), (44, 17688), (47, 17706), (48, 17709), (49, 17724), (51, 17733), (60, 17826), (62, 17832),