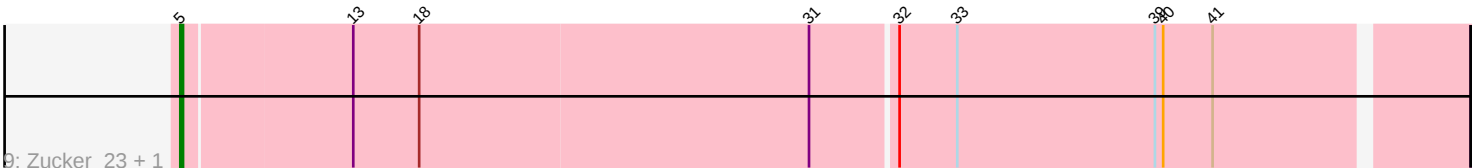
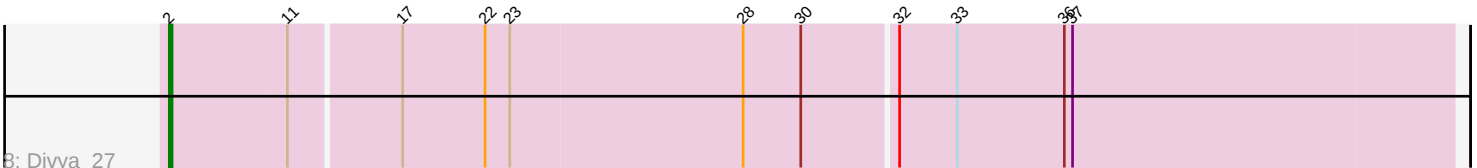
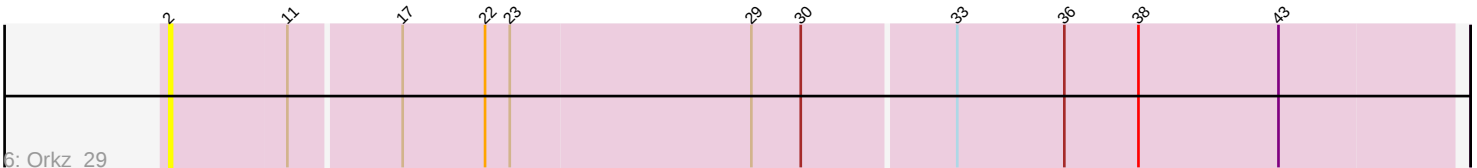
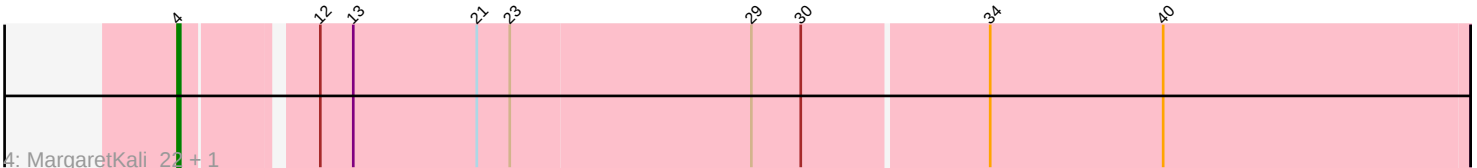
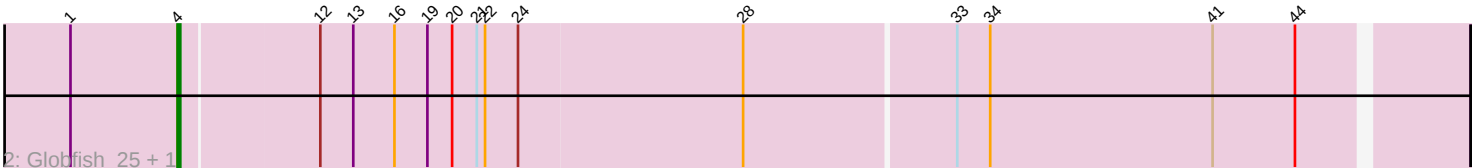
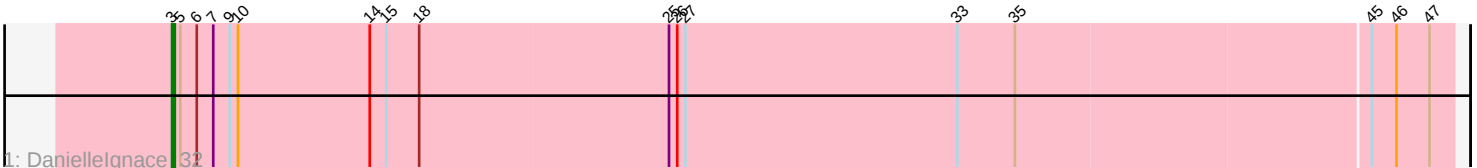


Pham 309640



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 309640 Report

This analysis was run 09/05/26 on database version 662.

Pham number 309640 has 12 members, 1 are drafts.

Phages represented in each track:

- Track 1 : DanielleIgnace_32
- Track 2 : Globfish_25, SpicyFrank_25
- Track 3 : LeBruni_25
- Track 4 : MargaretKali_22, Kumotta_22
- Track 5 : AirForce1_28
- Track 6 : Orkz_29
- Track 7 : Jinkies_29
- Track 8 : Divya_27
- Track 9 : Zucker_23, Bauer_24

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 5 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Globfish_25, Kumotta_22, LeBruni_25, MargaretKali_22, SpicyFrank_25,

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

-

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

- AirForce1_28, Bauer_24, DanielleIgnace_32, Divya_27, Jinkies_29, Orkz_29, Zucker_23,

Summary by start number:

Start 2:

- Found in 4 of 12 (33.3%) of genes in pham
- Manual Annotations of this start: 3 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AirForce1_28 (FL), Divya_27 (FL), Jinkies_29 (FL), Orkz_29 (FL),

Start 3:

- Found in 1 of 12 (8.3%) of genes in pham
- Manual Annotations of this start: 1 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DanielleIgnace_32 (AT),

Start 4:

- Found in 5 of 12 (41.7%) of genes in pham
- Manual Annotations of this start: 5 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Globfish_25 (AY), Kumotta_22 (FB), LeBruni_25 (AY), MargaretKali_22 (FB), SpicyFrank_25 (AY),

Start 5:

- Found in 3 of 12 (25.0%) of genes in pham
- Manual Annotations of this start: 2 of 11
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Bauer_24 (FN), Zucker_23 (FN),

Summary by clusters:

There are 5 clusters represented in this pham: AY, FB, FL, AT, FN,

Info for manual annotations of cluster AT:

- Start number 3 was manually annotated 1 time for cluster AT.

Info for manual annotations of cluster AY:

- Start number 4 was manually annotated 3 times for cluster AY.

Info for manual annotations of cluster FB:

- Start number 4 was manually annotated 2 times for cluster FB.

Info for manual annotations of cluster FL:

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

Info for manual annotations of cluster FN:

- Start number 5 was manually annotated 2 times for cluster FN.

Gene Information:

Gene: AirForce1_28 Start: 20939, Stop: 21397, Start Num: 2

Candidate Starts for AirForce1_28:

(Start: 2 @20939 has 3 MA's), (8, 20957), (11, 20981), (17, 21020), (22, 21050), (30, 21164), (33, 21218), (36, 21257),

Gene: Bauer_24 Start: 18620, Stop: 19075, Start Num: 5

Candidate Starts for Bauer_24:

(Start: 5 @18620 has 2 MA's), (13, 18680), (18, 18704), (31, 18845), (32, 18875), (33, 18896), (39, 18968), (40, 18971), (41, 18989),

Gene: DanielleIgnace_32 Start: 28554, Stop: 29015, Start Num: 3

Candidate Starts for DanielleIgnace_32:

(Start: 3 @28554 has 1 MA's), (Start: 5 @28557 has 2 MA's), (6, 28563), (7, 28569), (9, 28575), (10, 28578), (14, 28626), (15, 28632), (18, 28644), (25, 28734), (26, 28737), (27, 28740), (33, 28839), (35, 28860), (45, 28986), (46, 28995), (47, 29007),

Gene: Divya_27 Start: 20088, Stop: 20546, Start Num: 2

Candidate Starts for Divya_27:

(Start: 2 @20088 has 3 MA's), (11, 20130), (17, 20169), (22, 20199), (23, 20208), (28, 20292), (30, 20313), (32, 20346), (33, 20367), (36, 20406), (37, 20409),

Gene: Globfish_25 Start: 19120, Stop: 19575, Start Num: 4

Candidate Starts for Globfish_25:

(1, 19081), (Start: 4 @19120 has 5 MA's), (12, 19168), (13, 19180), (16, 19195), (19, 19207), (20, 19216), (21, 19225), (22, 19228), (24, 19240), (28, 19321), (33, 19396), (34, 19408), (41, 19489), (44, 19519),

Gene: Jinkies_29 Start: 23425, Stop: 23883, Start Num: 2

Candidate Starts for Jinkies_29:

(Start: 2 @23425 has 3 MA's), (8, 23443), (11, 23467), (13, 23488), (17, 23506), (22, 23536), (30, 23650), (33, 23704), (36, 23743), (42, 23812), (43, 23821),

Gene: Kumotta_22 Start: 17606, Stop: 18061, Start Num: 4

Candidate Starts for Kumotta_22:

(Start: 4 @17606 has 5 MA's), (12, 17648), (13, 17660), (21, 17705), (23, 17717), (29, 17804), (30, 17822), (34, 17888), (40, 17951),

Gene: LeBruni_25 Start: 18847, Stop: 19302, Start Num: 4

Candidate Starts for LeBruni_25:

(Start: 4 @18847 has 5 MA's), (13, 18907), (16, 18922), (19, 18934), (20, 18943), (21, 18952), (24, 18967), (33, 19123), (34, 19135), (38, 19189),

Gene: MargaretKali_22 Start: 17241, Stop: 17696, Start Num: 4

Candidate Starts for MargaretKali_22:

(Start: 4 @17241 has 5 MA's), (12, 17283), (13, 17295), (21, 17340), (23, 17352), (29, 17439), (30, 17457), (34, 17523), (40, 17586),

Gene: Orkz_29 Start: 20184, Stop: 20642, Start Num: 2

Candidate Starts for Orkz_29:

(Start: 2 @20184 has 3 MA's), (11, 20226), (17, 20265), (22, 20295), (23, 20304), (29, 20391), (30, 20409), (33, 20463), (36, 20502), (38, 20529), (43, 20580),

Gene: SpicyFrank_25 Start: 19121, Stop: 19576, Start Num: 4

Candidate Starts for SpicyFrank_25:

(1, 19082), (Start: 4 @19121 has 5 MA's), (12, 19169), (13, 19181), (16, 19196), (19, 19208), (20, 19217), (21, 19226), (22, 19229), (24, 19241), (28, 19322), (33, 19397), (34, 19409), (41, 19490), (44, 19520),

Gene: Zucker_23 Start: 17933, Stop: 18388, Start Num: 5

Candidate Starts for Zucker_23:

(Start: 5 @17933 has 2 MA's), (13, 17993), (18, 18017), (31, 18158), (32, 18188), (33, 18209), (39, 18281), (40, 18284), (41, 18302),