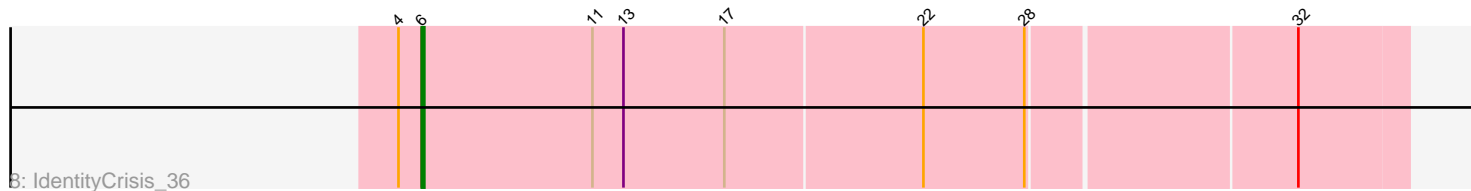
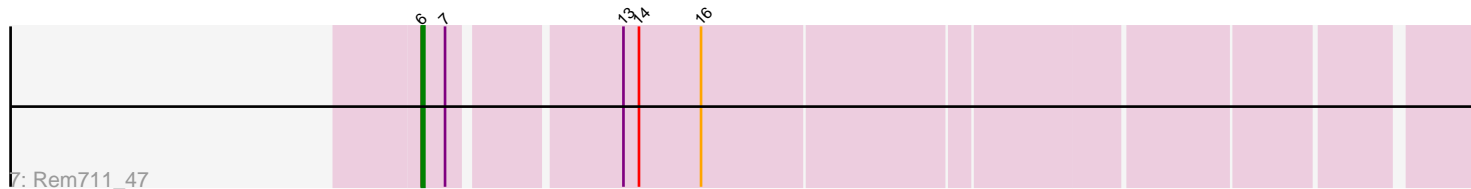
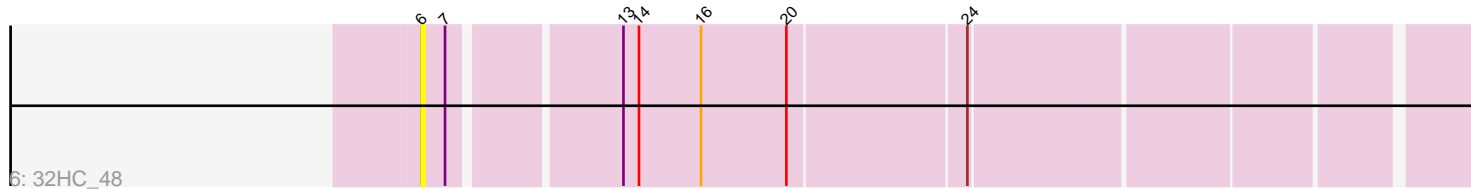
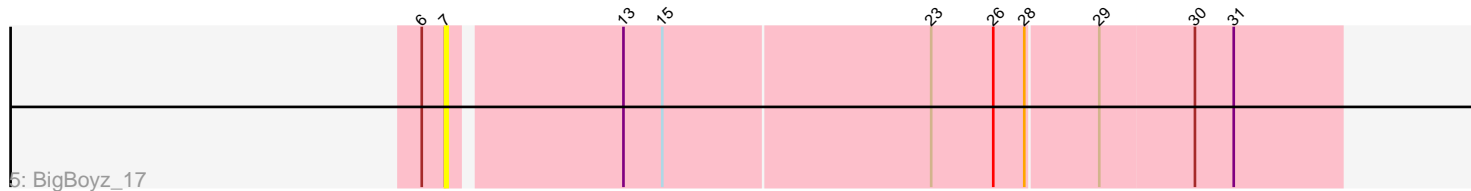
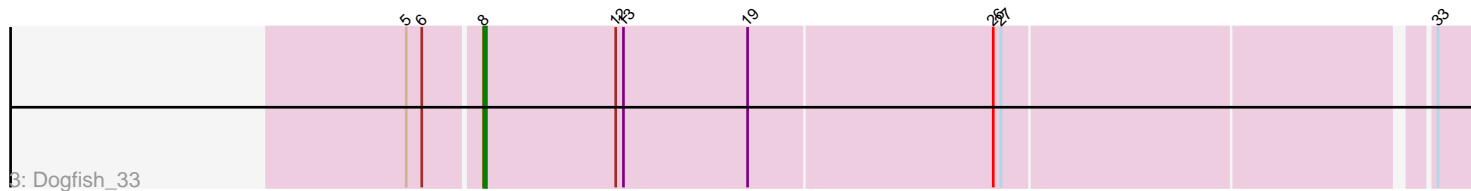
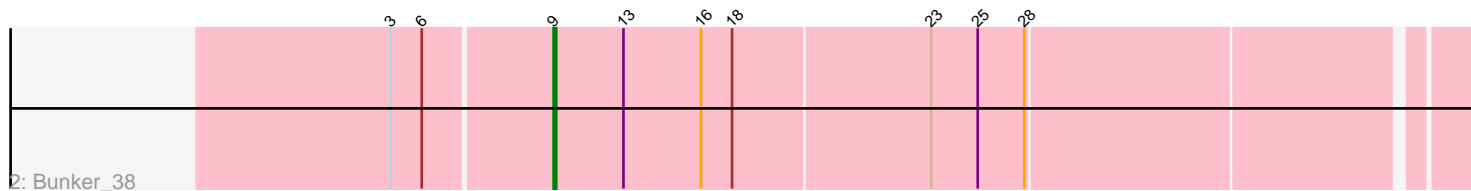
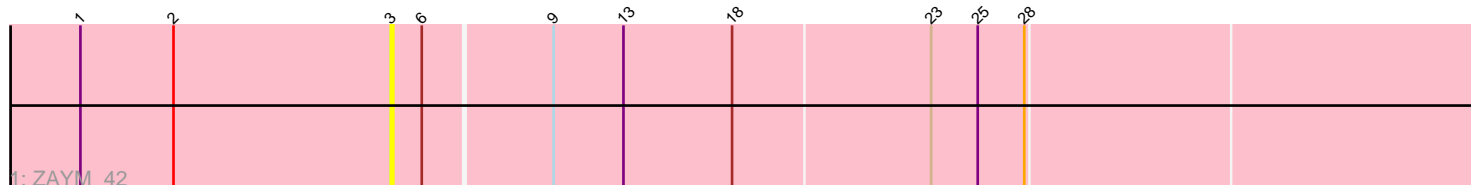


Pham 87844



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 87844 Report

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

Pham number 87844 has 9 members, 5 are drafts.

Phages represented in each track:

- Track 1 : ZAYM_42
- Track 2 : Bunker_38
- Track 3 : Dogfish_33
- Track 4 : MoRicky_21, Smilerella_20
- Track 5 : BigBoyz_17
- Track 6 : 32HC_48
- Track 7 : Rem711_47
- Track 8 : IdentityCrisis_36

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

The start number called the most often in the published annotations is 6, it was called in 2 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 32HC_48, IdentityCrisis_36, MoRicky_21, Rem711_47, Smilerella_20,

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

- BigBoyz_17, Bunker_38, Dogfish_33, ZAYM_42,

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

-

Summary by start number:

Start 3:

- Found in 2 of 9 (22.2%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: ZAYM_42 (DB),

Start 6:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 2 of 4

- Called 55.6% of time when present
- Phage (with cluster) where this start called: 32HC_48 (Z), IdentityCrisis_36 (singleton), MoRicky_21 (GH), Rem711_47 (Z), Smilerella_20 (GH),

Start 7:

- Found in 5 of 9 (55.6%) of genes in pham
- No Manual Annotations of this start.
- Called 20.0% of time when present
- Phage (with cluster) where this start called: BigBoyz_17 (GH),

Start 8:

- Found in 1 of 9 (11.1%) 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: Dogfish_33 (DT),

Start 9:

- Found in 2 of 9 (22.2%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Bunker_38 (DB),

Summary by clusters:

There are 5 clusters represented in this pham: singleton, Z, DB, DT, GH,

Info for manual annotations of cluster DB:

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

Info for manual annotations of cluster DT:

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

Info for manual annotations of cluster Z:

- Start number 6 was manually annotated 1 time for cluster Z.

Gene Information:

Gene: 32HC_48 Start: 34073, Stop: 33696, Start Num: 6

Candidate Starts for 32HC_48:

(Start: 6 @34073 has 2 MA's), (7, 34064), (13, 34004), (14, 33998), (16, 33974), (20, 33941), (24, 33875),

Gene: BigBoyz_17 Start: 13646, Stop: 13311, Start Num: 7

Candidate Starts for BigBoyz_17:

(Start: 6 @13655 has 2 MA's), (7, 13646), (13, 13583), (15, 13568), (23, 13466), (26, 13442), (28, 13430), (29, 13403), (30, 13367), (31, 13352),

Gene: Bunker_38 Start: 31743, Stop: 31402, Start Num: 9

Candidate Starts for Bunker_38:

(3, 31803), (Start: 6 @31791 has 2 MA's), (Start: 9 @31743 has 1 MA's), (13, 31716), (16, 31686), (18, 31674), (23, 31599), (25, 31581), (28, 31563),

Gene: Dogfish_33 Start: 29564, Stop: 29196, Start Num: 8

Candidate Starts for Dogfish_33:

(5, 29591), (Start: 6 @29585 has 2 MA's), (Start: 8 @29564 has 1 MA's), (12, 29513), (13, 29510), (19, 29462), (26, 29369), (27, 29366), (33, 29210),

Gene: IdentityCrisis_36 Start: 27388, Stop: 27017, Start Num: 6

Candidate Starts for IdentityCrisis_36:

(4, 27397), (Start: 6 @27388 has 2 MA's), (11, 27322), (13, 27310), (17, 27271), (22, 27196), (28, 27157), (32, 27058),

Gene: MoRicky_21 Start: 14274, Stop: 13930, Start Num: 6

Candidate Starts for MoRicky_21:

(Start: 6 @14274 has 2 MA's), (7, 14265), (10, 14226), (13, 14202), (21, 14139), (28, 14049), (29, 14022), (30, 13986), (31, 13971),

Gene: Rem711_47 Start: 34057, Stop: 33680, Start Num: 6

Candidate Starts for Rem711_47:

(Start: 6 @34057 has 2 MA's), (7, 34048), (13, 33988), (14, 33982), (16, 33958),

Gene: Smilerella_20 Start: 14364, Stop: 14020, Start Num: 6

Candidate Starts for Smilerella_20:

(Start: 6 @14364 has 2 MA's), (7, 14355), (10, 14316), (13, 14292), (21, 14229), (28, 14139), (29, 14112), (30, 14076), (31, 14061),

Gene: ZAYM_42 Start: 32169, Stop: 31759, Start Num: 3

Candidate Starts for ZAYM_42:

(1, 32289), (2, 32253), (3, 32169), (Start: 6 @32157 has 2 MA's), (Start: 9 @32109 has 1 MA's), (13, 32082), (18, 32040), (23, 31965), (25, 31947), (28, 31929),