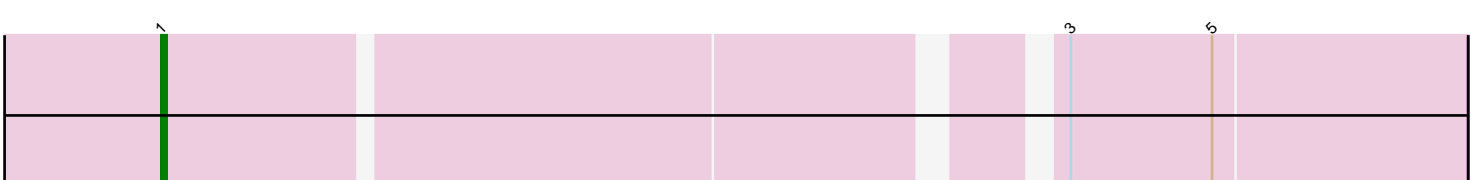
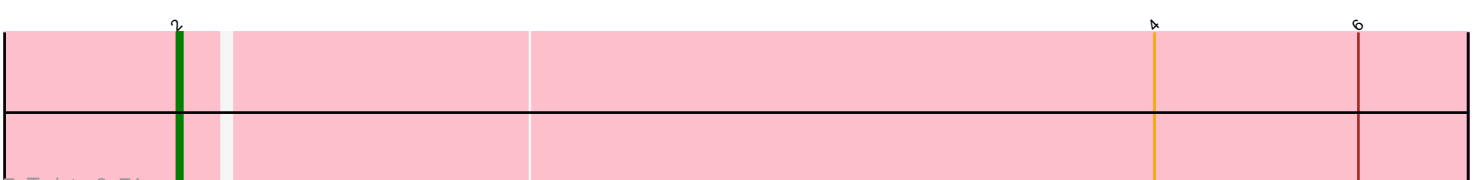
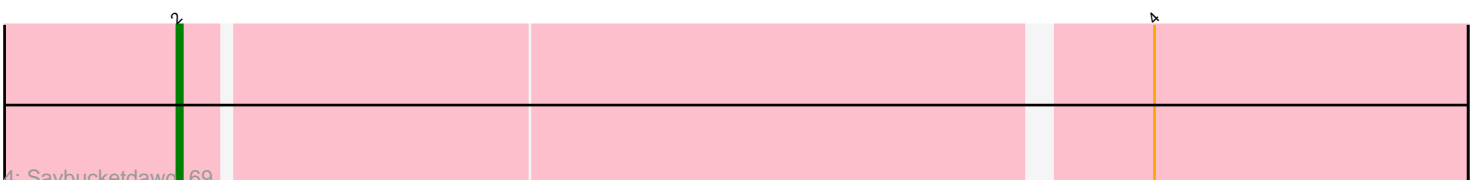
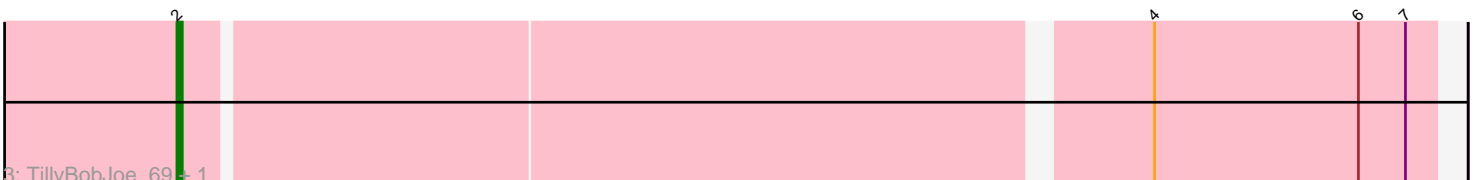
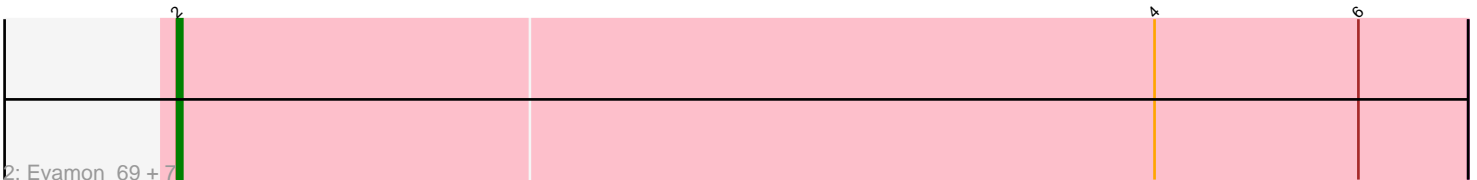
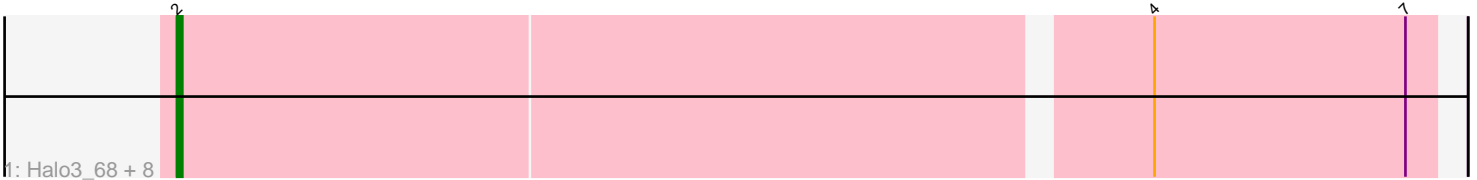


Pham 3371



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 3371 Report

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

Pham number 3371 has 24 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Halo3_68, PullumCavea_69, Bakery_75, Valary_71, Gezellig_70, Phlop_68, KimmyK_70, Wizard_67, Shinji_69
- Track 2 : Evamon_69, Salvador_69, VanDeWege_72, Nubi_70, SmokingBunny_71, Togo_70, RogerDodger_74, Arri_71
- Track 3 : TillyBobJoe_69, Fireball_72
- Track 4 : Savbucketdawg_69
- Track 5 : Portcullis_71
- Track 6 : Jambalaya_69
- Track 7 : Twister6_71
- Track 8 : Camerico_59

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

The start number called the most often in the published annotations is 2, it was called in 21 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Arri_71, Bakery_75, Evamon_69, Fireball_72, Gezellig_70, Halo3_68, Jambalaya_69, KimmyK_70, Nubi_70, Phlop_68, Portcullis_71, PullumCavea_69, RogerDodger_74, Salvador_69, Savbucketdawg_69, Shinji_69, SmokingBunny_71, TillyBobJoe_69, Togo_70, Twister6_71, Valary_71, VanDeWege_72, Wizard_67,

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

-

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

- Camerico_59,

Summary by start number:

Start 1:

- Found in 1 of 24 (4.2%) of genes in pham
- Manual Annotations of this start: 1 of 22
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Camerico_59 (DF),

Start 2:

- Found in 23 of 24 (95.8%) of genes in pham
- Manual Annotations of this start: 21 of 22
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arri_71 (DC1), Bakery_75 (DC1), Evamon_69 (DC1), Fireball_72 (DC1), Gezellig_70 (DC1), Halo3_68 (DC1), Jambalaya_69 (DC1), KimmyK_70 (DC1), Nubi_70 (DC1), Phlop_68 (DC1), Portcullis_71 (DC1), PullumCavea_69 (DC1), RogerDodger_74 (DC1), Salvador_69 (DC1), Savbucketdawg_69 (DC1), Shinji_69 (DC1), SmokingBunny_71 (DC1), TillyBobJoe_69 (DC1), Togo_70 (DC1), Twister6_71 (DC1), Valary_71 (DC1), VanDeWege_72 (DC1), Wizard_67 (DC1),

Summary by clusters:

There are 2 clusters represented in this pham: DF, DC1,

Info for manual annotations of cluster DC1:

- Start number 2 was manually annotated 21 times for cluster DC1.

Info for manual annotations of cluster DF:

- Start number 1 was manually annotated 1 time for cluster DF.

Gene Information:

Gene: Arri_71 Start: 49867, Stop: 50106, Start Num: 2

Candidate Starts for Arri_71:

(Start: 2 @49867 has 21 MA's), (4, 50047), (6, 50086),

Gene: Bakery_75 Start: 52315, Stop: 52548, Start Num: 2

Candidate Starts for Bakery_75:

(Start: 2 @52315 has 21 MA's), (4, 52495), (7, 52543),

Gene: Camerico_59 Start: 52011, Stop: 51781, Start Num: 1

Candidate Starts for Camerico_59:

(Start: 1 @52011 has 1 MA's), (3, 51855), (5, 51828),

Gene: Evamon_69 Start: 49411, Stop: 49656, Start Num: 2

Candidate Starts for Evamon_69:

(Start: 2 @49411 has 21 MA's), (4, 49597), (6, 49636),

Gene: Fireball_72 Start: 49795, Stop: 50025, Start Num: 2

Candidate Starts for Fireball_72:

(Start: 2 @49795 has 21 MA's), (4, 49972), (6, 50011), (7, 50020),

Gene: Gezellig_70 Start: 49615, Stop: 49848, Start Num: 2

Candidate Starts for Gezellig_70:

(Start: 2 @49615 has 21 MA's), (4, 49795), (7, 49843),

Gene: Halo3_68 Start: 50200, Stop: 50433, Start Num: 2

Candidate Starts for Halo3_68:

(Start: 2 @50200 has 21 MA's), (4, 50380), (7, 50428),

Gene: Jambalaya_69 Start: 49534, Stop: 49764, Start Num: 2

Candidate Starts for Jambalaya_69:

(Start: 2 @49534 has 21 MA's), (4, 49711), (7, 49759),

Gene: KimmyK_70 Start: 50062, Stop: 50295, Start Num: 2

Candidate Starts for KimmyK_70:

(Start: 2 @50062 has 21 MA's), (4, 50242), (7, 50290),

Gene: Nubi_70 Start: 49495, Stop: 49734, Start Num: 2

Candidate Starts for Nubi_70:

(Start: 2 @49495 has 21 MA's), (4, 49675), (6, 49714),

Gene: Phlop_68 Start: 49705, Stop: 49938, Start Num: 2

Candidate Starts for Phlop_68:

(Start: 2 @49705 has 21 MA's), (4, 49885), (7, 49933),

Gene: Portcullis_71 Start: 49570, Stop: 49812, Start Num: 2

Candidate Starts for Portcullis_71:

(Start: 2 @49570 has 21 MA's), (4, 49753), (6, 49792),

Gene: PullumCavea_69 Start: 49882, Stop: 50115, Start Num: 2

Candidate Starts for PullumCavea_69:

(Start: 2 @49882 has 21 MA's), (4, 50062), (7, 50110),

Gene: RogerDodger_74 Start: 50765, Stop: 51010, Start Num: 2

Candidate Starts for RogerDodger_74:

(Start: 2 @50765 has 21 MA's), (4, 50951), (6, 50990),

Gene: Salvador_69 Start: 49409, Stop: 49654, Start Num: 2

Candidate Starts for Salvador_69:

(Start: 2 @49409 has 21 MA's), (4, 49595), (6, 49634),

Gene: Savbucketdawg_69 Start: 49534, Stop: 49770, Start Num: 2

Candidate Starts for Savbucketdawg_69:

(Start: 2 @49534 has 21 MA's), (4, 49711),

Gene: Shinji_69 Start: 49396, Stop: 49629, Start Num: 2

Candidate Starts for Shinji_69:

(Start: 2 @49396 has 21 MA's), (4, 49576), (7, 49624),

Gene: SmokingBunny_71 Start: 50603, Stop: 50848, Start Num: 2

Candidate Starts for SmokingBunny_71:

(Start: 2 @50603 has 21 MA's), (4, 50789), (6, 50828),

Gene: TillyBobJoe_69 Start: 49395, Stop: 49625, Start Num: 2

Candidate Starts for TillyBobJoe_69:

(Start: 2 @49395 has 21 MA's), (4, 49572), (6, 49611), (7, 49620),

Gene: Togo_70 Start: 50603, Stop: 50848, Start Num: 2

Candidate Starts for Togo_70:

(Start: 2 @50603 has 21 MA's), (4, 50789), (6, 50828),

Gene: Twister6_71 Start: 49143, Stop: 49385, Start Num: 2

Candidate Starts for Twister6_71:

(Start: 2 @49143 has 21 MA's), (4, 49326), (6, 49365),

Gene: Valary_71 Start: 50437, Stop: 50670, Start Num: 2

Candidate Starts for Valary_71:

(Start: 2 @50437 has 21 MA's), (4, 50617), (7, 50665),

Gene: VanDeWege_72 Start: 49930, Stop: 50169, Start Num: 2

Candidate Starts for VanDeWege_72:

(Start: 2 @49930 has 21 MA's), (4, 50110), (6, 50149),

Gene: Wizard_67 Start: 49615, Stop: 49848, Start Num: 2

Candidate Starts for Wizard_67:

(Start: 2 @49615 has 21 MA's), (4, 49795), (7, 49843),