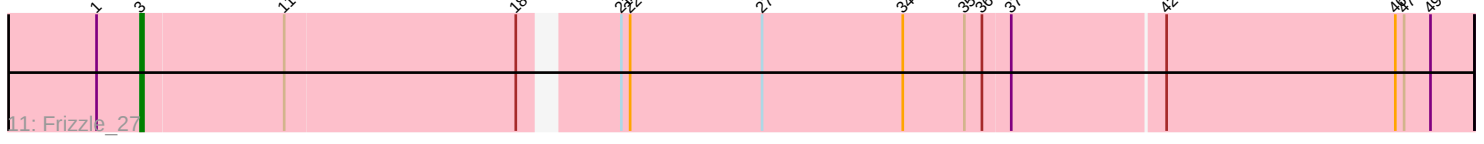
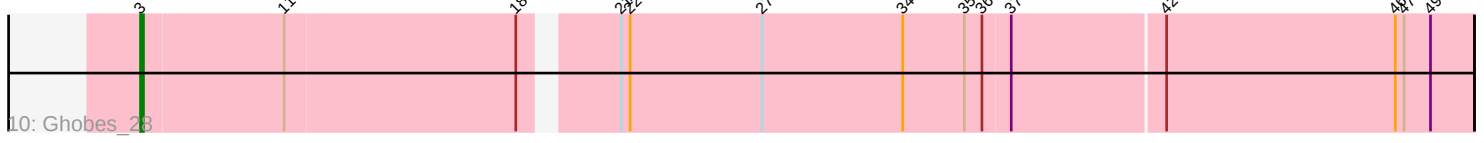
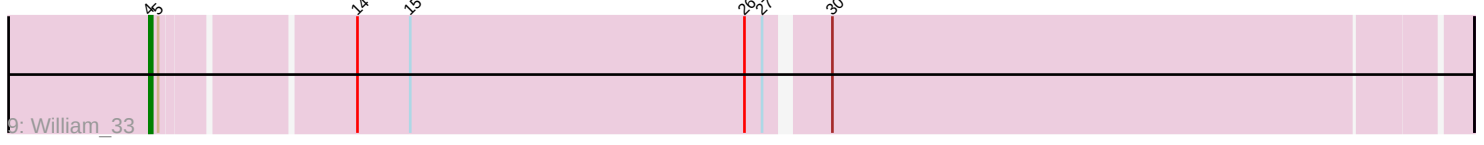
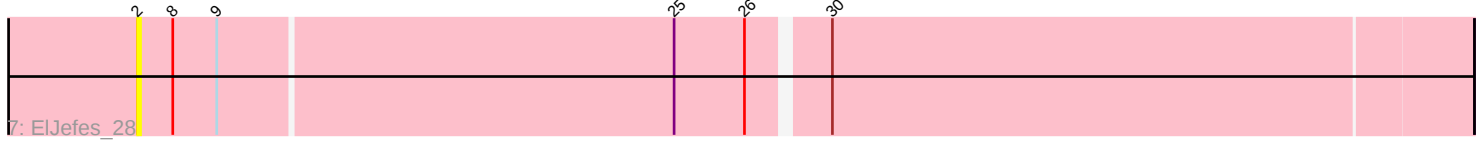
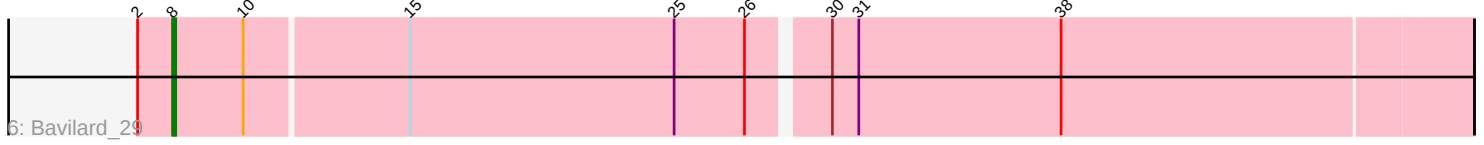
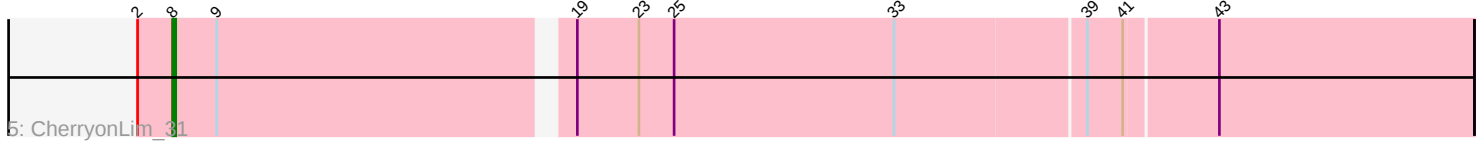
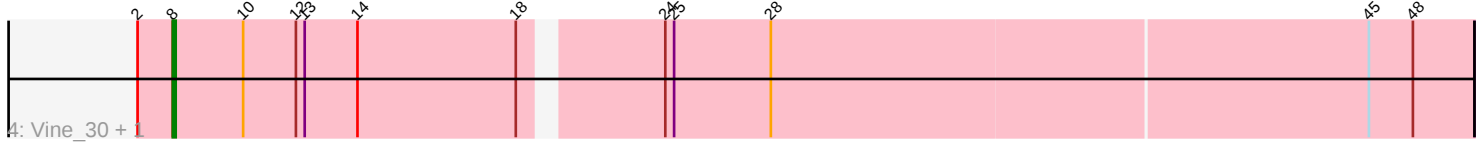
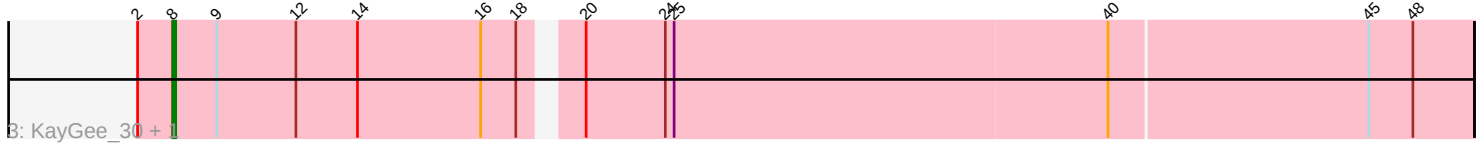
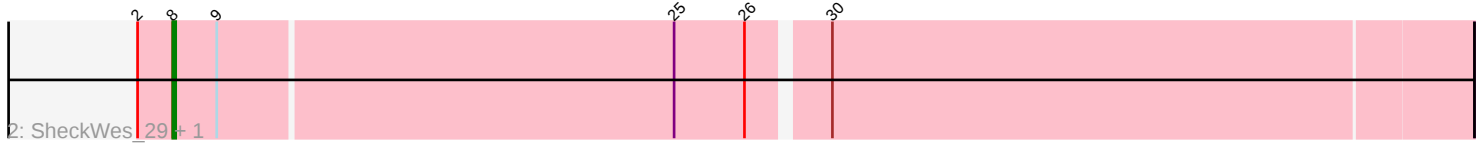


Pham 321816



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 321816 Report

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

Pham number 321816 has 18 members, 2 are drafts.

Phages represented in each track:

- Track 1 : MAnor_30, Pons_30, Mayweather_31, Tarnish_30
- Track 2 : SheckWes_29, McDazzle_28
- Track 3 : KayGee_30, Elinal_31
- Track 4 : Vine_30, Yucky_29
- Track 5 : CherryonLim_31
- Track 6 : Bavidard_29
- Track 7 : ElJefes_28
- Track 8 : PCoral7_33, Toast_33
- Track 9 : William_33
- Track 10 : Ghobes_28
- Track 11 : Frizzle_27

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

The start number called the most often in the published annotations is 8, it was called in 11 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bavidard_29, CherryonLim_31, Elinal_31, KayGee_30, MAnor_30, Mayweather_31, McDazzle_28, Pons_30, SheckWes_29, Tarnish_30, Vine_30, Yucky_29,

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

- ElJefes_28,

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

- Frizzle_27, Ghobes_28, PCoral7_33, Toast_33, William_33,

Summary by start number:

Start 2:

- Found in 13 of 18 (72.2%) of genes in pham
- No Manual Annotations of this start.
- Called 7.7% of time when present
- Phage (with cluster) where this start called: ElJefes_28 (CT),

Start 3:

- Found in 2 of 18 (11.1%) of genes in pham
- Manual Annotations of this start: 2 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Frizzle_27 (DA), Ghobes_28 (DA),

Start 4:

- Found in 1 of 18 (5.6%) of genes in pham
- Manual Annotations of this start: 1 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: William_33 (CV),

Start 6:

- Found in 2 of 18 (11.1%) of genes in pham
- Manual Annotations of this start: 2 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: PCoral7_33 (CV), Toast_33 (CV),

Start 8:

- Found in 13 of 18 (72.2%) of genes in pham
- Manual Annotations of this start: 11 of 16
- Called 92.3% of time when present
- Phage (with cluster) where this start called: Bavilard_29 (CT), CherryonLim_31 (CT), Elinal_31 (CT), KayGee_30 (CT), MAnor_30 (CT), Mayweather_31 (CT), McDazzle_28 (CT), Pons_30 (CT), SheckWes_29 (CT), Tarnish_30 (CT), Vine_30 (CT), Yucky_29 (CT),

Summary by clusters:

There are 3 clusters represented in this pham: DA, CV, CT,

Info for manual annotations of cluster CT:

- Start number 8 was manually annotated 11 times for cluster CT.

Info for manual annotations of cluster CV:

- Start number 4 was manually annotated 1 time for cluster CV.
- Start number 6 was manually annotated 2 times for cluster CV.

Info for manual annotations of cluster DA:

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

Gene Information:

Gene: Bavilard_29 Start: 24074, Stop: 24505, Start Num: 8

Candidate Starts for Bavilard_29:

(2, 24062), (Start: 8 @24074 has 11 MA's), (10, 24098), (15, 24152), (25, 24242), (26, 24266), (30, 24290), (31, 24299), (38, 24368),

Gene: CherryonLim_31 Start: 25039, Stop: 25467, Start Num: 8

Candidate Starts for CherryonLim_31:

(2, 25027), (Start: 8 @25039 has 11 MA's), (9, 25054), (19, 25168), (23, 25189), (25, 25201), (33, 25276), (39, 25339), (41, 25351), (43, 25381),

Gene: ElJefes_28 Start: 23726, Stop: 24169, Start Num: 2

Candidate Starts for ElJefes_28:

(2, 23726), (Start: 8 @23738 has 11 MA's), (9, 23753), (25, 23906), (26, 23930), (30, 23954),

Gene: Elinal_31 Start: 24276, Stop: 24707, Start Num: 8

Candidate Starts for Elinal_31:

(2, 24264), (Start: 8 @24276 has 11 MA's), (9, 24291), (12, 24318), (14, 24339), (16, 24381), (18, 24393), (20, 24408), (24, 24435), (25, 24438), (40, 24585), (45, 24672), (48, 24687),

Gene: Frizzle_27 Start: 24501, Stop: 24941, Start Num: 3

Candidate Starts for Frizzle_27:

(1, 24486), (Start: 3 @24501 has 2 MA's), (11, 24549), (18, 24627), (21, 24654), (22, 24657), (27, 24702), (34, 24750), (35, 24771), (36, 24777), (37, 24786), (42, 24837), (46, 24915), (47, 24918), (49, 24927),

Gene: Ghobes_28 Start: 24501, Stop: 24941, Start Num: 3

Candidate Starts for Ghobes_28:

(Start: 3 @24501 has 2 MA's), (11, 24549), (18, 24627), (21, 24654), (22, 24657), (27, 24702), (34, 24750), (35, 24771), (36, 24777), (37, 24786), (42, 24837), (46, 24915), (47, 24918), (49, 24927),

Gene: KayGee_30 Start: 24276, Stop: 24707, Start Num: 8

Candidate Starts for KayGee_30:

(2, 24264), (Start: 8 @24276 has 11 MA's), (9, 24291), (12, 24318), (14, 24339), (16, 24381), (18, 24393), (20, 24408), (24, 24435), (25, 24438), (40, 24585), (45, 24672), (48, 24687),

Gene: MAnor_30 Start: 24302, Stop: 24733, Start Num: 8

Candidate Starts for MAnor_30:

(2, 24290), (Start: 8 @24302 has 11 MA's), (9, 24317), (12, 24344), (14, 24365), (16, 24407), (18, 24419), (24, 24461), (25, 24464), (34, 24542), (45, 24698), (48, 24713),

Gene: Mayweather_31 Start: 24918, Stop: 25349, Start Num: 8

Candidate Starts for Mayweather_31:

(2, 24906), (Start: 8 @24918 has 11 MA's), (9, 24933), (12, 24960), (14, 24981), (16, 25023), (18, 25035), (24, 25077), (25, 25080), (34, 25158), (45, 25314), (48, 25329),

Gene: McDazzle_28 Start: 23732, Stop: 24163, Start Num: 8

Candidate Starts for McDazzle_28:

(2, 23720), (Start: 8 @23732 has 11 MA's), (9, 23747), (25, 23900), (26, 23924), (30, 23948),

Gene: PCoral7_33 Start: 27814, Stop: 28248, Start Num: 6

Candidate Starts for PCoral7_33:

(1, 27793), (Start: 6 @27814 has 2 MA's), (7, 27817), (14, 27880), (16, 27922), (17, 27928), (18, 27934), (24, 27976), (25, 27979), (29, 28021), (32, 28051), (35, 28078), (44, 28171), (45, 28213),

Gene: Pons_30 Start: 24291, Stop: 24722, Start Num: 8

Candidate Starts for Pons_30:

(2, 24279), (Start: 8 @24291 has 11 MA's), (9, 24306), (12, 24333), (14, 24354), (16, 24396), (18, 24408), (24, 24450), (25, 24453), (34, 24531), (45, 24687), (48, 24702),

Gene: SheckWes_29 Start: 23268, Stop: 23699, Start Num: 8

Candidate Starts for SheckWes_29:

(2, 23256), (Start: 8 @23268 has 11 MA's), (9, 23283), (25, 23436), (26, 23460), (30, 23484),

Gene: Tarnish_30 Start: 24659, Stop: 25090, Start Num: 8

Candidate Starts for Tarnish_30:

(2, 24647), (Start: 8 @24659 has 11 MA's), (9, 24674), (12, 24701), (14, 24722), (16, 24764), (18, 24776), (24, 24818), (25, 24821), (34, 24899), (45, 25055), (48, 25070),

Gene: Toast_33 Start: 27814, Stop: 28248, Start Num: 6

Candidate Starts for Toast_33:

(1, 27793), (Start: 6 @27814 has 2 MA's), (7, 27817), (14, 27880), (16, 27922), (17, 27928), (18, 27934), (24, 27976), (25, 27979), (29, 28021), (32, 28051), (35, 28078), (44, 28171), (45, 28213),

Gene: Vine_30 Start: 24262, Stop: 24693, Start Num: 8

Candidate Starts for Vine_30:

(2, 24250), (Start: 8 @24262 has 11 MA's), (10, 24286), (12, 24304), (13, 24307), (14, 24325), (18, 24379), (24, 24421), (25, 24424), (28, 24457), (45, 24658), (48, 24673),

Gene: William_33 Start: 27647, Stop: 28078, Start Num: 4

Candidate Starts for William_33:

(Start: 4 @27647 has 1 MA's), (5, 27650), (14, 27710), (15, 27728), (26, 27842), (27, 27848), (30, 27866),

Gene: Yucky_29 Start: 24121, Stop: 24552, Start Num: 8

Candidate Starts for Yucky_29:

(2, 24109), (Start: 8 @24121 has 11 MA's), (10, 24145), (12, 24163), (13, 24166), (14, 24184), (18, 24238), (24, 24280), (25, 24283), (28, 24316), (45, 24517), (48, 24532),