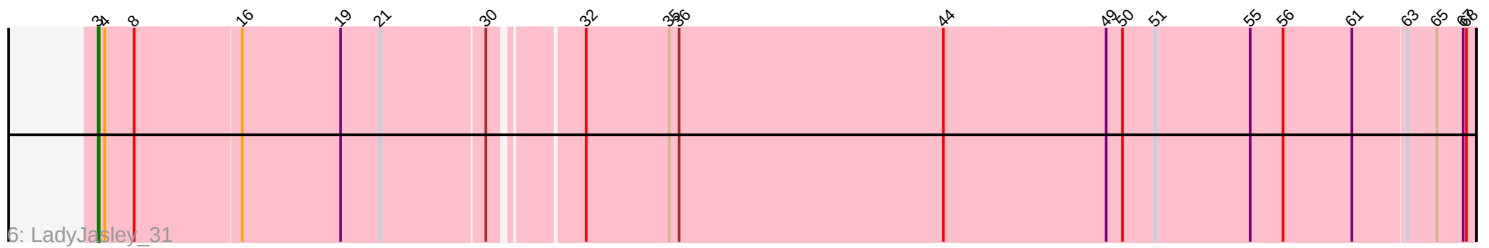
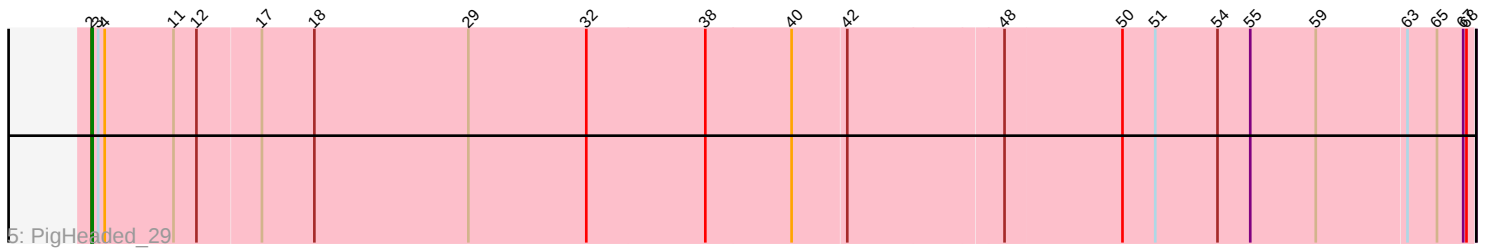
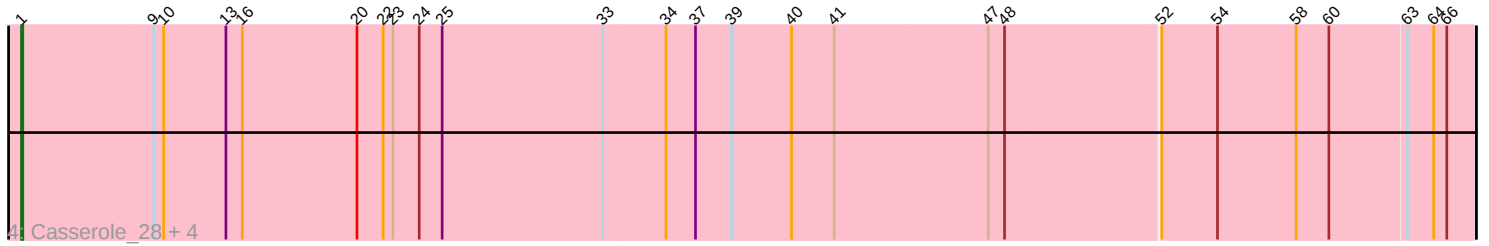
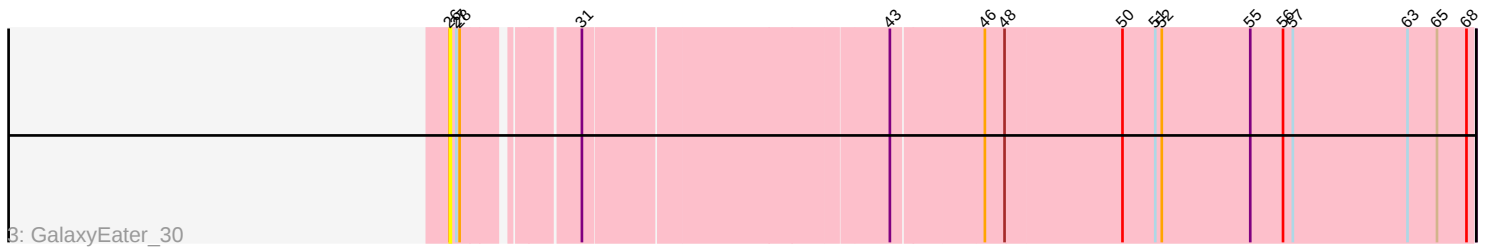
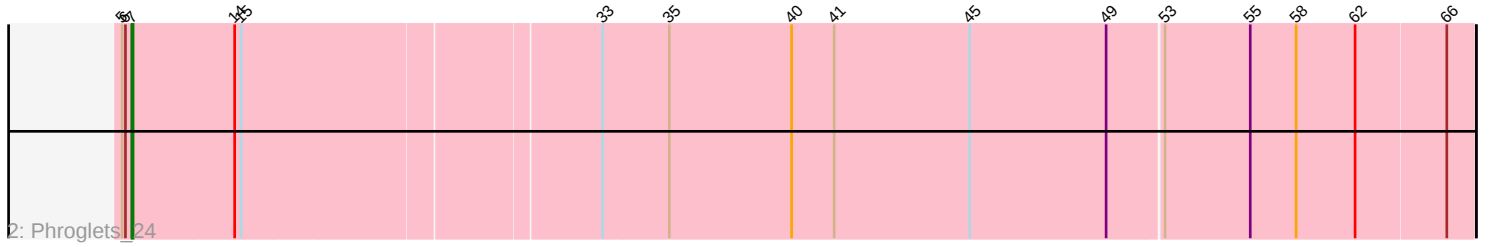
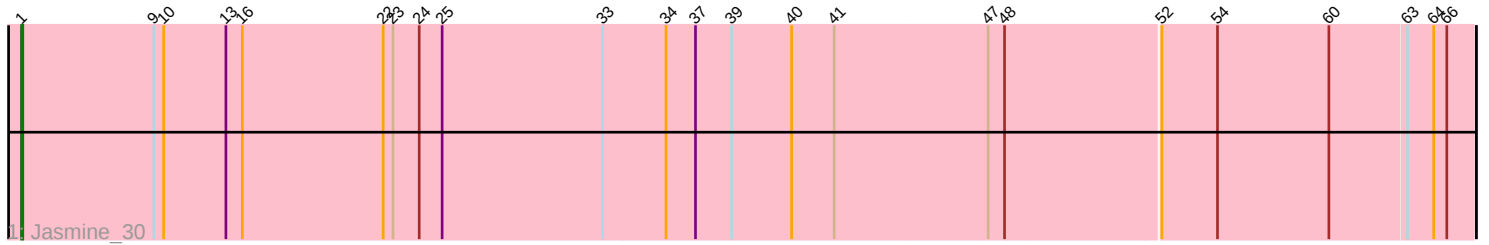


Pham 314206



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 314206 Report

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

Pham number 314206 has 10 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Jasmine_30
- Track 2 : Phroglets_24
- Track 3 : GalaxyEater_30
- Track 4 : Casserole_28, Adat_27, Nellie_27, Brad_27, GurgleFerb_27
- Track 5 : PigHeaded_29
- Track 6 : LadyJasley_31

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

The start number called the most often in the published annotations is 1, it was called in 6 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Adat_27, Brad_27, Casserole_28, GurgleFerb_27, Jasmine_30, Nellie_27,

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

-

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

- GalaxyEater_30, LadyJasley_31, Phroglets_24, PigHeaded_29,

Summary by start number:

Start 1:

- Found in 6 of 10 (60.0%) of genes in pham
- Manual Annotations of this start: 6 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Adat_27 (AV), Brad_27 (AV), Casserole_28 (AV), GurgleFerb_27 (AV), Jasmine_30 (AV), Nellie_27 (AV),

Start 2:

- Found in 1 of 10 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 100.0% of time when present

- Phage (with cluster) where this start called: PigHeaded_29 (AV),

Start 3:

- Found in 2 of 10 (20.0%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 50.0% of time when present
- Phage (with cluster) where this start called: LadyJasley_31 (AV),

Start 7:

- Found in 1 of 10 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Phroglets_24 (AV),

Start 26:

- Found in 1 of 10 (10.0%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GalaxyEater_30 (AV),

Summary by clusters:

There is one cluster represented in this pham: AV

Info for manual annotations of cluster AV:

- Start number 1 was manually annotated 6 times for cluster AV.
- Start number 2 was manually annotated 1 time for cluster AV.
- Start number 3 was manually annotated 1 time for cluster AV.
- Start number 7 was manually annotated 1 time for cluster AV.

Gene Information:

Gene: Adat_27 Start: 25930, Stop: 27240, Start Num: 1

Candidate Starts for Adat_27:

(Start: 1 @25930 has 6 MA's), (9, 26050), (10, 26059), (13, 26116), (16, 26131), (20, 26236), (22, 26260), (23, 26269), (24, 26293), (25, 26314), (33, 26461), (34, 26518), (37, 26545), (39, 26578), (40, 26632), (41, 26671), (47, 26809), (48, 26824), (52, 26959), (54, 27010), (58, 27082), (60, 27112), (63, 27181), (64, 27205), (66, 27217),

Gene: Brad_27 Start: 25928, Stop: 27238, Start Num: 1

Candidate Starts for Brad_27:

(Start: 1 @25928 has 6 MA's), (9, 26048), (10, 26057), (13, 26114), (16, 26129), (20, 26234), (22, 26258), (23, 26267), (24, 26291), (25, 26312), (33, 26459), (34, 26516), (37, 26543), (39, 26576), (40, 26630), (41, 26669), (47, 26807), (48, 26822), (52, 26957), (54, 27008), (58, 27080), (60, 27110), (63, 27179), (64, 27203), (66, 27215),

Gene: Casserole_28 Start: 27218, Stop: 28528, Start Num: 1

Candidate Starts for Casserole_28:

(Start: 1 @27218 has 6 MA's), (9, 27338), (10, 27347), (13, 27404), (16, 27419), (20, 27524), (22, 27548), (23, 27557), (24, 27581), (25, 27602), (33, 27749), (34, 27806), (37, 27833), (39, 27866), (40, 27920), (41, 27959), (47, 28097), (48, 28112), (52, 28247), (54, 28298), (58, 28370), (60, 28400), (63,

28469), (64, 28493), (66, 28505),

Gene: GalaxyEater_30 Start: 27929, Stop: 28813, Start Num: 26

Candidate Starts for GalaxyEater_30:

(26, 27929), (27, 27935), (28, 27938), (31, 28028), (43, 28292), (46, 28370), (48, 28388), (50, 28493), (51, 28523), (52, 28529), (55, 28610), (56, 28640), (57, 28649), (63, 28754), (65, 28781), (68, 28808),

Gene: GurgleFerb_27 Start: 25929, Stop: 27239, Start Num: 1

Candidate Starts for GurgleFerb_27:

(Start: 1 @25929 has 6 MA's), (9, 26049), (10, 26058), (13, 26115), (16, 26130), (20, 26235), (22, 26259), (23, 26268), (24, 26292), (25, 26313), (33, 26460), (34, 26517), (37, 26544), (39, 26577), (40, 26631), (41, 26670), (47, 26808), (48, 26823), (52, 26958), (54, 27009), (58, 27081), (60, 27111), (63, 27180), (64, 27204), (66, 27216),

Gene: Jasmine_30 Start: 27801, Stop: 29111, Start Num: 1

Candidate Starts for Jasmine_30:

(Start: 1 @27801 has 6 MA's), (9, 27921), (10, 27930), (13, 27987), (16, 28002), (22, 28131), (23, 28140), (24, 28164), (25, 28185), (33, 28332), (34, 28389), (37, 28416), (39, 28449), (40, 28503), (41, 28542), (47, 28680), (48, 28695), (52, 28830), (54, 28881), (60, 28983), (63, 29052), (64, 29076), (66, 29088),

Gene: LadyJasley_31 Start: 26843, Stop: 28066, Start Num: 3

Candidate Starts for LadyJasley_31:

(Start: 3 @26843 has 1 MA's), (4, 26849), (8, 26876), (16, 26972), (19, 27062), (21, 27098), (30, 27191), (32, 27263), (35, 27338), (36, 27347), (44, 27587), (49, 27731), (50, 27746), (51, 27776), (55, 27863), (56, 27893), (61, 27956), (63, 28004), (65, 28031), (67, 28055), (68, 28058),

Gene: Nellie_27 Start: 25930, Stop: 27240, Start Num: 1

Candidate Starts for Nellie_27:

(Start: 1 @25930 has 6 MA's), (9, 26050), (10, 26059), (13, 26116), (16, 26131), (20, 26236), (22, 26260), (23, 26269), (24, 26293), (25, 26314), (33, 26461), (34, 26518), (37, 26545), (39, 26578), (40, 26632), (41, 26671), (47, 26809), (48, 26824), (52, 26959), (54, 27010), (58, 27082), (60, 27112), (63, 27181), (64, 27205), (66, 27217),

Gene: Phroglets_24 Start: 26074, Stop: 27255, Start Num: 7

Candidate Starts for Phroglets_24:

(5, 26065), (6, 26068), (Start: 7 @26074 has 1 MA's), (14, 26161), (15, 26167), (33, 26473), (35, 26533), (40, 26644), (41, 26683), (45, 26806), (49, 26929), (53, 26977), (55, 27055), (58, 27097), (62, 27151), (66, 27232),

Gene: PigHeaded_29 Start: 25946, Stop: 27190, Start Num: 2

Candidate Starts for PigHeaded_29:

(Start: 2 @25946 has 1 MA's), (Start: 3 @25952 has 1 MA's), (4, 25958), (11, 26021), (12, 26042), (17, 26099), (18, 26147), (29, 26288), (32, 26396), (38, 26504), (40, 26582), (42, 26630), (48, 26768), (50, 26873), (51, 26903), (54, 26960), (55, 26990), (59, 27050), (63, 27131), (65, 27158), (67, 27182), (68, 27185),