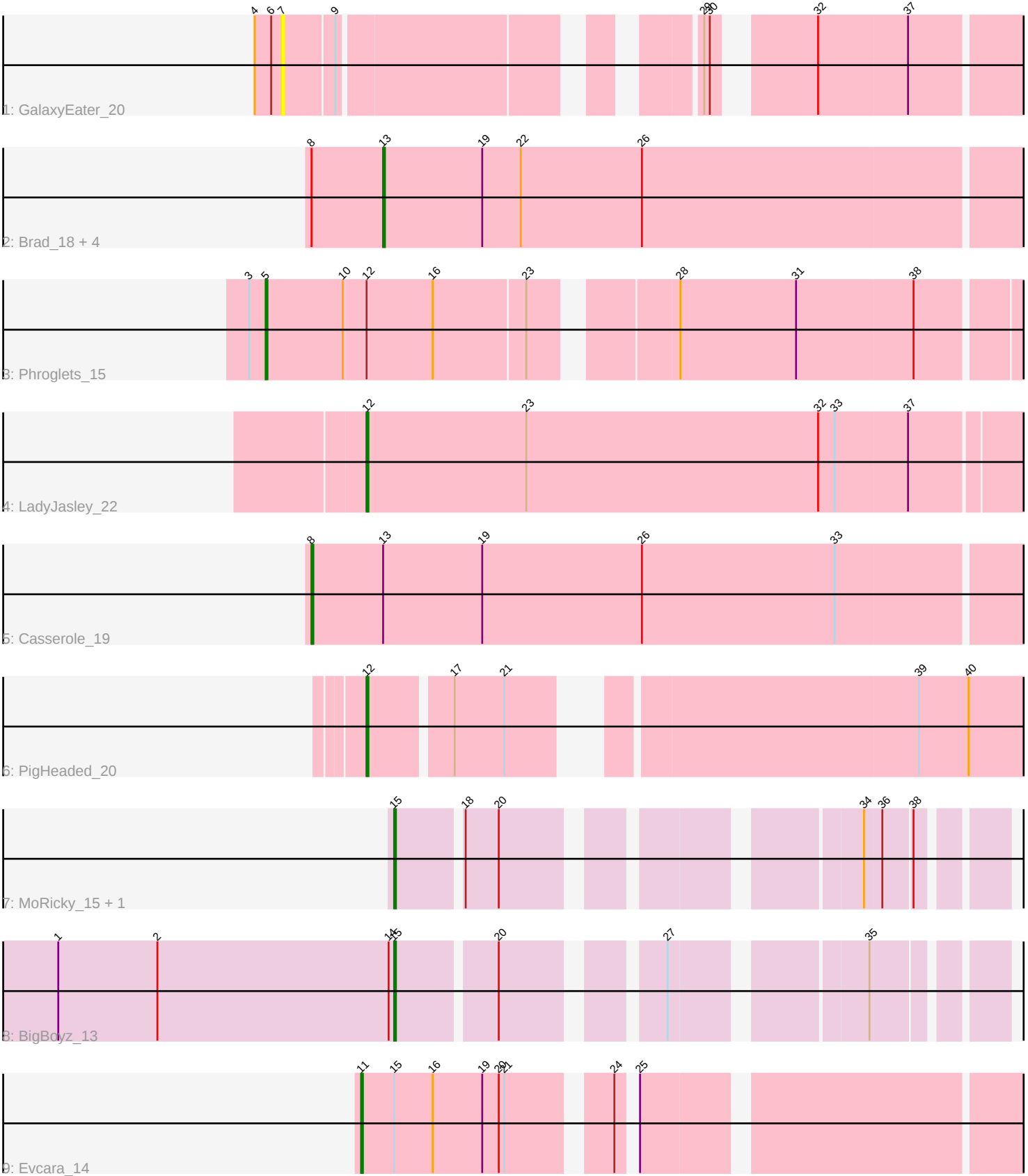


Pham 314070



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 314070 Report

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

Pham number 314070 has 14 members, 1 are drafts.

Phages represented in each track:

- Track 1 : GalaxyEater_20
- Track 2 : Brad_18, Jasmine_21, Adat_18, GurgleFerb_18, Nellie_18
- Track 3 : Phroglets_15
- Track 4 : LadyJasley_22
- Track 5 : Casserole_19
- Track 6 : PigHeaded_20
- Track 7 : MoRicky_15, Smilerella_15
- Track 8 : BigBoyz_13
- Track 9 : Evcara_14

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

The start number called the most often in the published annotations is 13, it was called in 5 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Adat_18, Brad_18, GurgleFerb_18, Jasmine_21, Nellie_18,

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

- Casserole_19,

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

- BigBoyz_13, Evcara_14, GalaxyEater_20, LadyJasley_22, MoRicky_15, Phroglets_15, PigHeaded_20, Smilerella_15,

Summary by start number:

Start 5:

- Found in 1 of 14 (7.1%) of genes in pham
- Manual Annotations of this start: 1 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Phroglets_15 (AV),

Start 7:

- Found in 1 of 14 (7.1%) 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_20 (AV),

Start 8:

- Found in 6 of 14 (42.9%) of genes in pham
- Manual Annotations of this start: 1 of 13
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Casserole_19 (AV),

Start 11:

- Found in 1 of 14 (7.1%) of genes in pham
- Manual Annotations of this start: 1 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Evcara_14 (GI),

Start 12:

- Found in 3 of 14 (21.4%) of genes in pham
- Manual Annotations of this start: 2 of 13
- Called 66.7% of time when present
- Phage (with cluster) where this start called: LadyJasley_22 (AV), PigHeaded_20 (AV),

Start 13:

- Found in 6 of 14 (42.9%) of genes in pham
- Manual Annotations of this start: 5 of 13
- Called 83.3% of time when present
- Phage (with cluster) where this start called: Adat_18 (AV), Brad_18 (AV), GurgleFerb_18 (AV), Jasmine_21 (AV), Nellie_18 (AV),

Start 15:

- Found in 4 of 14 (28.6%) of genes in pham
- Manual Annotations of this start: 3 of 13
- Called 75.0% of time when present
- Phage (with cluster) where this start called: BigBoyz_13 (GH), MoRicky_15 (GH), Smilerella_15 (GH),

Summary by clusters:

There are 3 clusters represented in this pham: GH, GI, AV,

Info for manual annotations of cluster AV:

- Start number 5 was manually annotated 1 time for cluster AV.
- Start number 8 was manually annotated 1 time for cluster AV.
- Start number 12 was manually annotated 2 times for cluster AV.
- Start number 13 was manually annotated 5 times for cluster AV.

Info for manual annotations of cluster GH:

- Start number 15 was manually annotated 3 times for cluster GH.

Info for manual annotations of cluster GI:

- Start number 11 was manually annotated 1 time for cluster GI.

Gene Information:

Gene: Adat_18 Start: 13845, Stop: 14192, Start Num: 13

Candidate Starts for Adat_18:

(Start: 8 @13806 has 1 MA's), (Start: 13 @13845 has 5 MA's), (19, 13899), (22, 13920), (26, 13986),

Gene: BigBoyz_13 Start: 11483, Stop: 11761, Start Num: 15

Candidate Starts for BigBoyz_13:

(1, 11300), (2, 11354), (14, 11480), (Start: 15 @11483 has 3 MA's), (20, 11534), (27, 11606), (35, 11699),

Gene: Brad_18 Start: 13843, Stop: 14190, Start Num: 13

Candidate Starts for Brad_18:

(Start: 8 @13804 has 1 MA's), (Start: 13 @13843 has 5 MA's), (19, 13897), (22, 13918), (26, 13984),

Gene: Casserole_19 Start: 15094, Stop: 15480, Start Num: 8

Candidate Starts for Casserole_19:

(Start: 8 @15094 has 1 MA's), (Start: 13 @15133 has 5 MA's), (19, 15187), (26, 15274), (33, 15379),

Gene: Evcara_14 Start: 14074, Stop: 14403, Start Num: 11

Candidate Starts for Evcara_14:

(Start: 11 @14074 has 1 MA's), (Start: 15 @14092 has 3 MA's), (16, 14113), (19, 14140), (20, 14149), (21, 14152), (24, 14200), (25, 14206),

Gene: GalaxyEater_20 Start: 14913, Stop: 15257, Start Num: 7

Candidate Starts for GalaxyEater_20:

(4, 14898), (6, 14907), (7, 14913), (9, 14940), (29, 15099), (30, 15102), (32, 15144), (37, 15192),

Gene: GurgleFerb_18 Start: 13844, Stop: 14191, Start Num: 13

Candidate Starts for GurgleFerb_18:

(Start: 8 @13805 has 1 MA's), (Start: 13 @13844 has 5 MA's), (19, 13898), (22, 13919), (26, 13985),

Gene: Jasmine_21 Start: 15707, Stop: 16054, Start Num: 13

Candidate Starts for Jasmine_21:

(Start: 8 @15668 has 1 MA's), (Start: 13 @15707 has 5 MA's), (19, 15761), (22, 15782), (26, 15848),

Gene: LadyJasley_22 Start: 14136, Stop: 14495, Start Num: 12

Candidate Starts for LadyJasley_22:

(Start: 12 @14136 has 2 MA's), (23, 14223), (32, 14382), (33, 14391), (37, 14430),

Gene: MoRicky_15 Start: 11983, Stop: 12261, Start Num: 15

Candidate Starts for MoRicky_15:

(Start: 15 @11983 has 3 MA's), (18, 12016), (20, 12034), (34, 12196), (36, 12205), (38, 12220),

Gene: Nellie_18 Start: 13845, Stop: 14192, Start Num: 13

Candidate Starts for Nellie_18:

(Start: 8 @13806 has 1 MA's), (Start: 13 @13845 has 5 MA's), (19, 13899), (22, 13920), (26, 13986),

Gene: Phroglets_15 Start: 13928, Stop: 14314, Start Num: 5

Candidate Starts for Phroglets_15:

(3, 13919), (Start: 5 @13928 has 1 MA's), (10, 13970), (Start: 12 @13982 has 2 MA's), (16, 14018), (23, 14066), (28, 14132), (31, 14195), (38, 14258),

Gene: PigHeaded_20 Start: 13448, Stop: 13774, Start Num: 12

Candidate Starts for PigHeaded_20:

(Start: 12 @13448 has 2 MA's), (17, 13490), (21, 13517), (39, 13709), (40, 13736),

Gene: Smilerella_15 Start: 11983, Stop: 12261, Start Num: 15

Candidate Starts for Smilerella_15:

(Start: 15 @11983 has 3 MA's), (18, 12016), (20, 12034), (34, 12196), (36, 12205), (38, 12220),