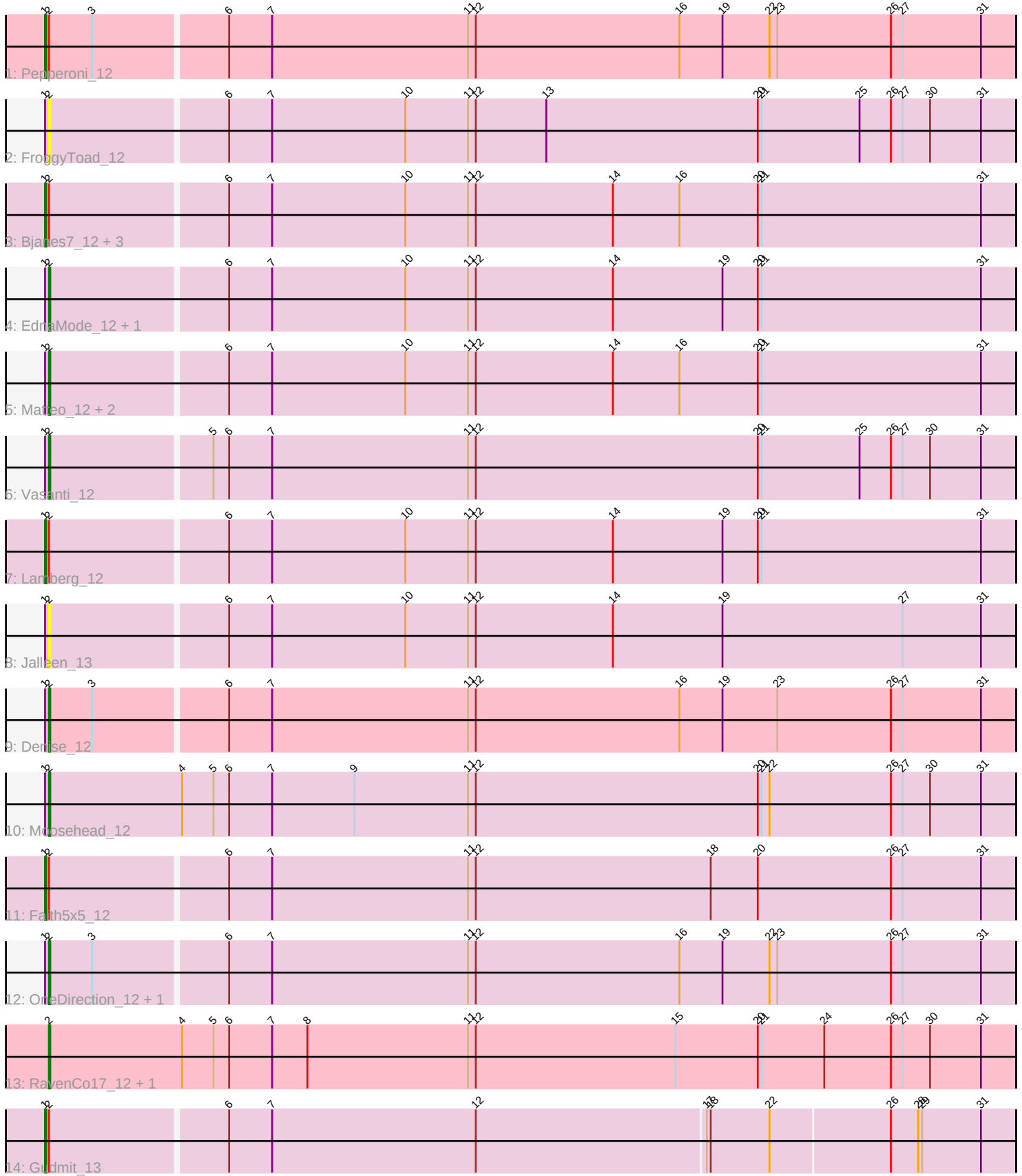


Pham 331229



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 331229 Report

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

Pham number 331229 has 22 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Pepperoni_12
- Track 2 : FroggyToad_12
- Track 3 : Bjanese7_12, SoilAssassin_12, Yeet412_12, Attis_12
- Track 4 : EdnaMode_12, Nettuno_12
- Track 5 : Matteo_12, Pickett_12, LordFarquaad_12
- Track 6 : Vasanti_12
- Track 7 : Lamberg_12
- Track 8 : Jalleen_13
- Track 9 : Denise_12
- Track 10 : Moosehead_12
- Track 11 : Faith5x5_12
- Track 12 : OneDirection_12, Lton_12
- Track 13 : RavenCo17_12, Eyre_12
- Track 14 : Gudmit_13

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 12 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Denise_12, EdnaMode_12, Eyre_12, FroggyToad_12, Jalleen_13, LordFarquaad_12, Lton_12, Matteo_12, Moosehead_12, Nettuno_12, OneDirection_12, Pickett_12, RavenCo17_12, Vasanti_12,

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

- Attis_12, Bjanese7_12, Faith5x5_12, Gudmit_13, Lamberg_12, Pepperoni_12, SoilAssassin_12, Yeet412_12,

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

-

Summary by start number:

Start 1:

- Found in 20 of 22 (90.9%) of genes in pham
- Manual Annotations of this start: 8 of 20
- Called 40.0% of time when present
- Phage (with cluster) where this start called: Attis_12 (CZ2), Bjaner7_12 (CZ2), Faith5x5_12 (CZ6), Gudmit_13 (singleton), Lamberg_12 (CZ2), Pepperoni_12 (CZ), SoilAssassin_12 (CZ2), Yeet412_12 (CZ2),

Start 2:

- Found in 22 of 22 (100.0%) of genes in pham
- Manual Annotations of this start: 12 of 20
- Called 63.6% of time when present
- Phage (with cluster) where this start called: Denise_12 (CZ5), EdnaMode_12 (CZ2), Eyre_12 (singleton), FroggyToad_12 (CZ2), Jalleen_13 (CZ2), LordFarquaad_12 (CZ2), Lton_12 (CZ), Matteo_12 (CZ2), Moosehead_12 (CZ6), Nettuno_12 (CZ2), OneDirection_12 (CZ6), Pickett_12 (CZ2), RavenCo17_12 (CZ8), Vasanti_12 (CZ2),

Summary by clusters:

There are 6 clusters represented in this pham: CZ8, CZ2, CZ6, singleton, CZ5, CZ,

Info for manual annotations of cluster CZ:

- Start number 1 was manually annotated 1 time for cluster CZ.
- Start number 2 was manually annotated 1 time for cluster CZ.

Info for manual annotations of cluster CZ2:

- Start number 1 was manually annotated 5 times for cluster CZ2.
- Start number 2 was manually annotated 6 times for cluster CZ2.

Info for manual annotations of cluster CZ5:

- Start number 2 was manually annotated 1 time for cluster CZ5.

Info for manual annotations of cluster CZ6:

- Start number 1 was manually annotated 1 time for cluster CZ6.
- Start number 2 was manually annotated 2 times for cluster CZ6.

Info for manual annotations of cluster CZ8:

- Start number 2 was manually annotated 1 time for cluster CZ8.

Gene Information:

Gene: Attis_12 Start: 7619, Stop: 8356, Start Num: 1

Candidate Starts for Attis_12:

(Start: 1 @7619 has 8 MA's), (Start: 2 @7622 has 12 MA's), (6, 7754), (7, 7787), (10, 7889), (11, 7937), (12, 7943), (14, 8048), (16, 8099), (20, 8159), (21, 8162), (31, 8330),

Gene: Bjaner7_12 Start: 7619, Stop: 8356, Start Num: 1

Candidate Starts for Bjaner7_12:

(Start: 1 @7619 has 8 MA's), (Start: 2 @7622 has 12 MA's), (6, 7754), (7, 7787), (10, 7889), (11, 7937), (12, 7943), (14, 8048), (16, 8099), (20, 8159), (21, 8162), (31, 8330),

Gene: Denise_12 Start: 7635, Stop: 8369, Start Num: 2

Candidate Starts for Denise_12:

(Start: 1 @7632 has 8 MA's), (Start: 2 @7635 has 12 MA's), (3, 7668), (6, 7767), (7, 7800), (11, 7950), (12, 7956), (16, 8112), (19, 8145), (23, 8187), (26, 8274), (27, 8283), (31, 8343),

Gene: EdnaMode_12 Start: 7622, Stop: 8356, Start Num: 2

Candidate Starts for EdnaMode_12:

(Start: 1 @7619 has 8 MA's), (Start: 2 @7622 has 12 MA's), (6, 7754), (7, 7787), (10, 7889), (11, 7937), (12, 7943), (14, 8048), (19, 8132), (20, 8159), (21, 8162), (31, 8330),

Gene: Eyre_12 Start: 8294, Stop: 9034, Start Num: 2

Candidate Starts for Eyre_12:

(Start: 2 @8294 has 12 MA's), (4, 8396), (5, 8420), (6, 8432), (7, 8465), (8, 8492), (11, 8615), (12, 8621), (15, 8774), (20, 8837), (21, 8840), (24, 8888), (26, 8939), (27, 8948), (30, 8969), (31, 9008),

Gene: Faith5x5_12 Start: 7591, Stop: 8328, Start Num: 1

Candidate Starts for Faith5x5_12:

(Start: 1 @7591 has 8 MA's), (Start: 2 @7594 has 12 MA's), (6, 7726), (7, 7759), (11, 7909), (12, 7915), (18, 8095), (20, 8131), (26, 8233), (27, 8242), (31, 8302),

Gene: FroggyToad_12 Start: 7638, Stop: 8372, Start Num: 2

Candidate Starts for FroggyToad_12:

(Start: 1 @7635 has 8 MA's), (Start: 2 @7638 has 12 MA's), (6, 7770), (7, 7803), (10, 7905), (11, 7953), (12, 7959), (13, 8013), (20, 8175), (21, 8178), (25, 8253), (26, 8277), (27, 8286), (30, 8307), (31, 8346),

Gene: Gudmit_13 Start: 8411, Stop: 9142, Start Num: 1

Candidate Starts for Gudmit_13:

(Start: 1 @8411 has 8 MA's), (Start: 2 @8414 has 12 MA's), (6, 8546), (7, 8579), (12, 8735), (17, 8909), (18, 8912), (22, 8957), (26, 9047), (28, 9068), (29, 9071), (31, 9116),

Gene: Jalleen_13 Start: 7622, Stop: 8356, Start Num: 2

Candidate Starts for Jalleen_13:

(Start: 1 @7619 has 8 MA's), (Start: 2 @7622 has 12 MA's), (6, 7754), (7, 7787), (10, 7889), (11, 7937), (12, 7943), (14, 8048), (19, 8132), (27, 8270), (31, 8330),

Gene: Lamberg_12 Start: 7619, Stop: 8356, Start Num: 1

Candidate Starts for Lamberg_12:

(Start: 1 @7619 has 8 MA's), (Start: 2 @7622 has 12 MA's), (6, 7754), (7, 7787), (10, 7889), (11, 7937), (12, 7943), (14, 8048), (19, 8132), (20, 8159), (21, 8162), (31, 8330),

Gene: LordFarquaad_12 Start: 7622, Stop: 8356, Start Num: 2

Candidate Starts for LordFarquaad_12:

(Start: 1 @7619 has 8 MA's), (Start: 2 @7622 has 12 MA's), (6, 7754), (7, 7787), (10, 7889), (11, 7937), (12, 7943), (14, 8048), (16, 8099), (20, 8159), (21, 8162), (31, 8330),

Gene: Lton_12 Start: 7651, Stop: 8385, Start Num: 2

Candidate Starts for Lton_12:

(Start: 1 @7648 has 8 MA's), (Start: 2 @7651 has 12 MA's), (3, 7684), (6, 7783), (7, 7816), (11, 7966), (12, 7972), (16, 8128), (19, 8161), (22, 8197), (23, 8203), (26, 8290), (27, 8299), (31, 8359),

Gene: Matteo_12 Start: 7622, Stop: 8356, Start Num: 2

Candidate Starts for Matteo_12:

(Start: 1 @7619 has 8 MA's), (Start: 2 @7622 has 12 MA's), (6, 7754), (7, 7787), (10, 7889), (11, 7937), (12, 7943), (14, 8048), (16, 8099), (20, 8159), (21, 8162), (31, 8330),

Gene: Moosehead_12 Start: 7591, Stop: 8331, Start Num: 2

Candidate Starts for Moosehead_12:

(Start: 1 @7588 has 8 MA's), (Start: 2 @7591 has 12 MA's), (4, 7693), (5, 7717), (6, 7729), (7, 7762), (9, 7825), (11, 7912), (12, 7918), (20, 8134), (21, 8137), (22, 8143), (26, 8236), (27, 8245), (30, 8266), (31, 8305),

Gene: Nettuno_12 Start: 7622, Stop: 8356, Start Num: 2

Candidate Starts for Nettuno_12:

(Start: 1 @7619 has 8 MA's), (Start: 2 @7622 has 12 MA's), (6, 7754), (7, 7787), (10, 7889), (11, 7937), (12, 7943), (14, 8048), (19, 8132), (20, 8159), (21, 8162), (31, 8330),

Gene: OneDirection_12 Start: 7595, Stop: 8329, Start Num: 2

Candidate Starts for OneDirection_12:

(Start: 1 @7592 has 8 MA's), (Start: 2 @7595 has 12 MA's), (3, 7628), (6, 7727), (7, 7760), (11, 7910), (12, 7916), (16, 8072), (19, 8105), (22, 8141), (23, 8147), (26, 8234), (27, 8243), (31, 8303),

Gene: Pepperoni_12 Start: 7942, Stop: 8679, Start Num: 1

Candidate Starts for Pepperoni_12:

(Start: 1 @7942 has 8 MA's), (Start: 2 @7945 has 12 MA's), (3, 7978), (6, 8077), (7, 8110), (11, 8260), (12, 8266), (16, 8422), (19, 8455), (22, 8491), (23, 8497), (26, 8584), (27, 8593), (31, 8653),

Gene: Pickett_12 Start: 7622, Stop: 8356, Start Num: 2

Candidate Starts for Pickett_12:

(Start: 1 @7619 has 8 MA's), (Start: 2 @7622 has 12 MA's), (6, 7754), (7, 7787), (10, 7889), (11, 7937), (12, 7943), (14, 8048), (16, 8099), (20, 8159), (21, 8162), (31, 8330),

Gene: RavenCo17_12 Start: 8475, Stop: 9215, Start Num: 2

Candidate Starts for RavenCo17_12:

(Start: 2 @8475 has 12 MA's), (4, 8577), (5, 8601), (6, 8613), (7, 8646), (8, 8673), (11, 8796), (12, 8802), (15, 8955), (20, 9018), (21, 9021), (24, 9069), (26, 9120), (27, 9129), (30, 9150), (31, 9189),

Gene: SoilAssassin_12 Start: 7619, Stop: 8356, Start Num: 1

Candidate Starts for SoilAssassin_12:

(Start: 1 @7619 has 8 MA's), (Start: 2 @7622 has 12 MA's), (6, 7754), (7, 7787), (10, 7889), (11, 7937), (12, 7943), (14, 8048), (16, 8099), (20, 8159), (21, 8162), (31, 8330),

Gene: Vasanti_12 Start: 7641, Stop: 8375, Start Num: 2

Candidate Starts for Vasanti_12:

(Start: 1 @7638 has 8 MA's), (Start: 2 @7641 has 12 MA's), (5, 7761), (6, 7773), (7, 7806), (11, 7956), (12, 7962), (20, 8178), (21, 8181), (25, 8256), (26, 8280), (27, 8289), (30, 8310), (31, 8349),

Gene: Yeet412_12 Start: 7619, Stop: 8356, Start Num: 1

Candidate Starts for Yeet412_12:

(Start: 1 @7619 has 8 MA's), (Start: 2 @7622 has 12 MA's), (6, 7754), (7, 7787), (10, 7889), (11, 7937), (12, 7943), (14, 8048), (16, 8099), (20, 8159), (21, 8162), (31, 8330),