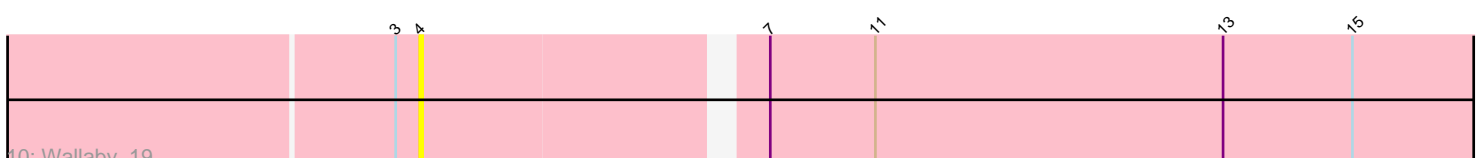
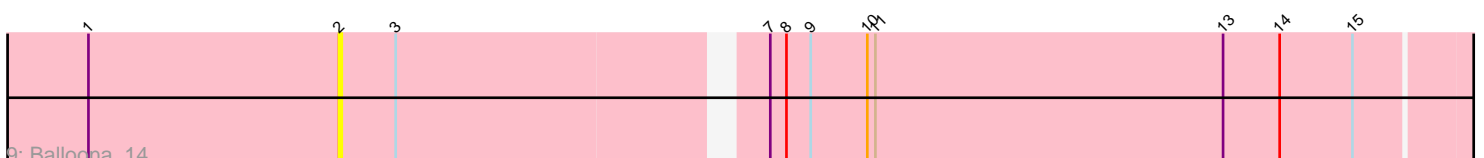
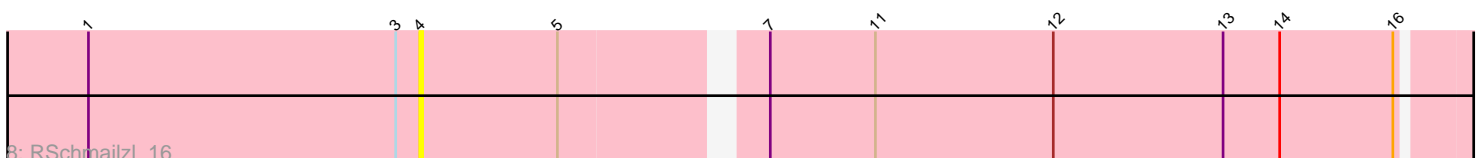
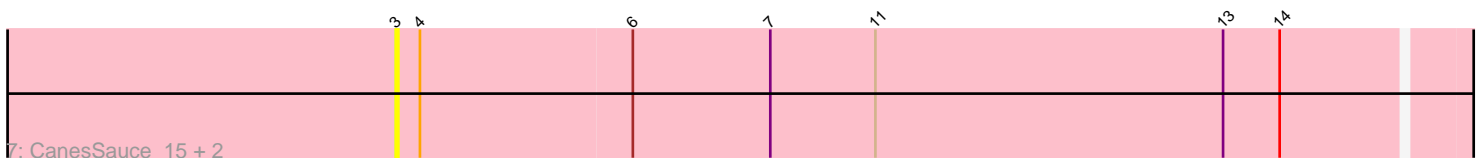
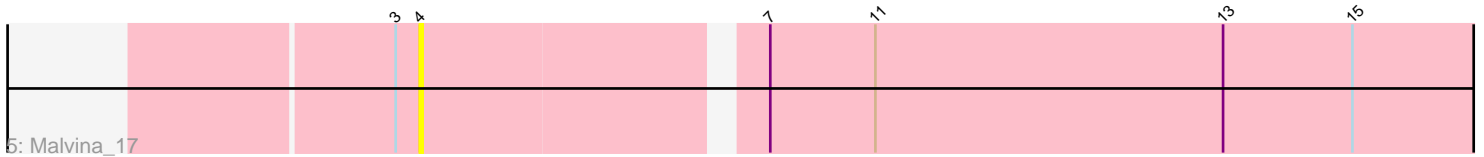
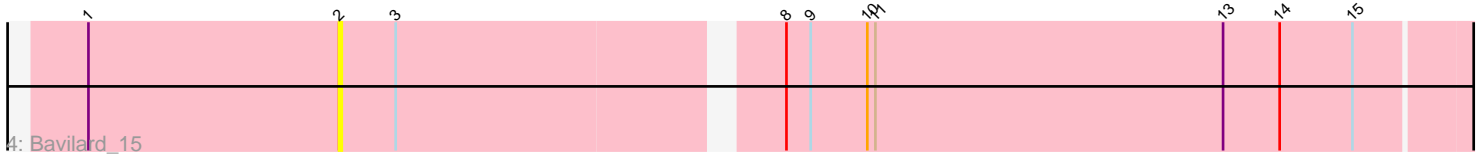
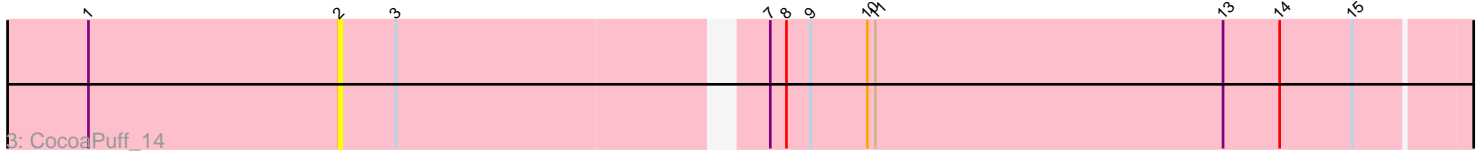
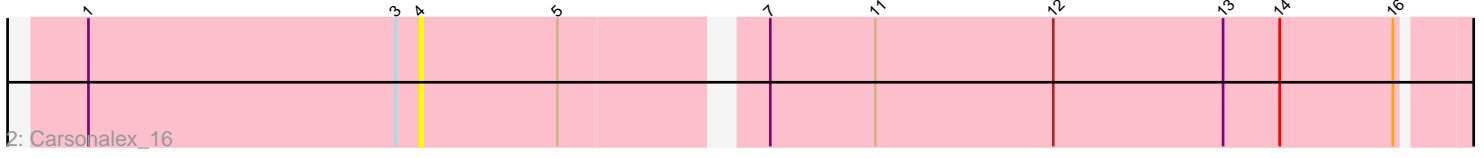
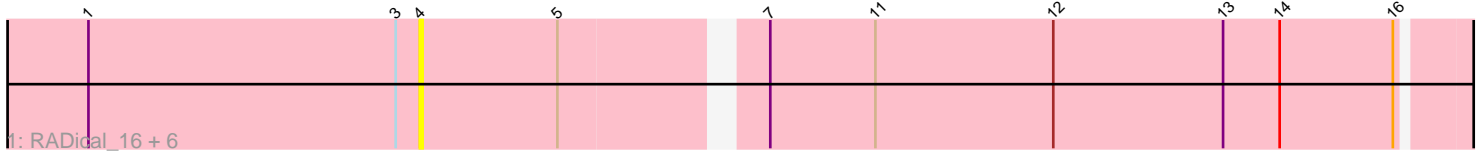


Pham 300384



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 300384 Report

This analysis was run 06/08/26 on database version 649.

Pham number 300384 has 18 members, 18 are drafts.

Phages represented in each track:

- Track 1 : RADical_16, Elliott_15, Starburst_16, Socotra_16, PsychoKiller_15, Sopespian_15, GoldHunter_16
- Track 2 : Carsonalex_16
- Track 3 : CocoaPuff_14
- Track 4 : Bavidard_15
- Track 5 : Malvina_17
- Track 6 : ChickenTender_17
- Track 7 : CanesSauce_15, CaramelLatte_15, ChocoMunchkin_15
- Track 8 : RSchmailzl_16
- Track 9 : Balloona_14
- Track 10 : Wallaby_19

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

This pham is comprised of all draft annotations. There are no annotations to summarize.

Summary by start number:

Start 2:

- Found in 3 of 18 (16.7%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Balloona_14 (CT), Bavidard_15 (CT), CocoaPuff_14 (CT),

Start 3:

- Found in 18 of 18 (100.0%) of genes in pham
- No Manual Annotations of this start.
- Called 22.2% of time when present
- Phage (with cluster) where this start called: CanesSauce_15 (CT), CaramelLatte_15 (CT), ChickenTender_17 (CT), ChocoMunchkin_15 (CT),

Start 4:

- Found in 15 of 18 (83.3%) of genes in pham

- No Manual Annotations of this start.
- Called 73.3% of time when present
- Phage (with cluster) where this start called: Carsonalex_16 (CT), Elliott_15 (CT), GoldHunter_16 (CT), Malvina_17 (CT), PsychoKiller_15 (CT), RADical_16 (CT), RSchmailz_16 (CT), Socotra_16 (CT), Sopespian_15 (CT), Starburst_16 (CT), Wallaby_19 (CT),

Summary by clusters:

There is one cluster represented in this pham: CT

Gene Information:

Gene: Balloona_14 Start: 8969, Stop: 9385, Start Num: 2

Candidate Starts for Balloona_14:

(1, 8876), (2, 8969), (3, 8990), (7, 9116), (8, 9122), (9, 9131), (10, 9152), (11, 9155), (13, 9284), (14, 9305), (15, 9332),

Gene: Bavilard_15 Start: 9749, Stop: 10165, Start Num: 2

Candidate Starts for Bavilard_15:

(1, 9656), (2, 9749), (3, 9770), (8, 9902), (9, 9911), (10, 9932), (11, 9935), (13, 10064), (14, 10085), (15, 10112),

Gene: CanesSauce_15 Start: 9255, Stop: 9656, Start Num: 3

Candidate Starts for CanesSauce_15:

(3, 9255), (4, 9264), (6, 9342), (7, 9393), (11, 9432), (13, 9561), (14, 9582),

Gene: CaramelLatte_15 Start: 9255, Stop: 9656, Start Num: 3

Candidate Starts for CaramelLatte_15:

(3, 9255), (4, 9264), (6, 9342), (7, 9393), (11, 9432), (13, 9561), (14, 9582),

Gene: Carsonalex_16 Start: 9317, Stop: 9697, Start Num: 4

Candidate Starts for Carsonalex_16:

(1, 9194), (3, 9308), (4, 9317), (5, 9368), (7, 9434), (11, 9473), (12, 9539), (13, 9602), (14, 9623), (16, 9665),

Gene: ChickenTender_17 Start: 9300, Stop: 9689, Start Num: 3

Candidate Starts for ChickenTender_17:

(3, 9300), (4, 9309), (5, 9360), (7, 9426), (11, 9465), (13, 9594), (14, 9615),

Gene: ChocoMunchkin_15 Start: 9255, Stop: 9656, Start Num: 3

Candidate Starts for ChocoMunchkin_15:

(3, 9255), (4, 9264), (6, 9342), (7, 9393), (11, 9432), (13, 9561), (14, 9582),

Gene: CocoaPuff_14 Start: 8969, Stop: 9385, Start Num: 2

Candidate Starts for CocoaPuff_14:

(1, 8876), (2, 8969), (3, 8990), (7, 9116), (8, 9122), (9, 9131), (10, 9152), (11, 9155), (13, 9284), (14, 9305), (15, 9332),

Gene: Elliott_15 Start: 9259, Stop: 9639, Start Num: 4

Candidate Starts for Elliott_15:

(1, 9136), (3, 9250), (4, 9259), (5, 9310), (7, 9376), (11, 9415), (12, 9481), (13, 9544), (14, 9565), (16, 9607),

Gene: GoldHunter_16 Start: 9260, Stop: 9640, Start Num: 4

Candidate Starts for GoldHunter_16:

(1, 9137), (3, 9251), (4, 9260), (5, 9311), (7, 9377), (11, 9416), (12, 9482), (13, 9545), (14, 9566), (16, 9608),

Gene: Malvina_17 Start: 10140, Stop: 10526, Start Num: 4

Candidate Starts for Malvina_17:

(3, 10131), (4, 10140), (7, 10257), (11, 10296), (13, 10425), (15, 10473),

Gene: PsychoKiller_15 Start: 9259, Stop: 9639, Start Num: 4

Candidate Starts for PsychoKiller_15:

(1, 9136), (3, 9250), (4, 9259), (5, 9310), (7, 9376), (11, 9415), (12, 9481), (13, 9544), (14, 9565), (16, 9607),

Gene: RADical_16 Start: 9260, Stop: 9640, Start Num: 4

Candidate Starts for RADical_16:

(1, 9137), (3, 9251), (4, 9260), (5, 9311), (7, 9377), (11, 9416), (12, 9482), (13, 9545), (14, 9566), (16, 9608),

Gene: RSchmailzl_16 Start: 9403, Stop: 9783, Start Num: 4

Candidate Starts for RSchmailzl_16:

(1, 9280), (3, 9394), (4, 9403), (5, 9454), (7, 9520), (11, 9559), (12, 9625), (13, 9688), (14, 9709), (16, 9751),

Gene: Socotra_16 Start: 9259, Stop: 9639, Start Num: 4

Candidate Starts for Socotra_16:

(1, 9136), (3, 9250), (4, 9259), (5, 9310), (7, 9376), (11, 9415), (12, 9481), (13, 9544), (14, 9565), (16, 9607),

Gene: Sopespian_15 Start: 9260, Stop: 9640, Start Num: 4

Candidate Starts for Sopespian_15:

(1, 9137), (3, 9251), (4, 9260), (5, 9311), (7, 9377), (11, 9416), (12, 9482), (13, 9545), (14, 9566), (16, 9608),

Gene: Starburst_16 Start: 9259, Stop: 9639, Start Num: 4

Candidate Starts for Starburst_16:

(1, 9136), (3, 9250), (4, 9259), (5, 9310), (7, 9376), (11, 9415), (12, 9481), (13, 9544), (14, 9565), (16, 9607),

Gene: Wallaby_19 Start: 10242, Stop: 10628, Start Num: 4

Candidate Starts for Wallaby_19:

(3, 10233), (4, 10242), (7, 10359), (11, 10398), (13, 10527), (15, 10575),