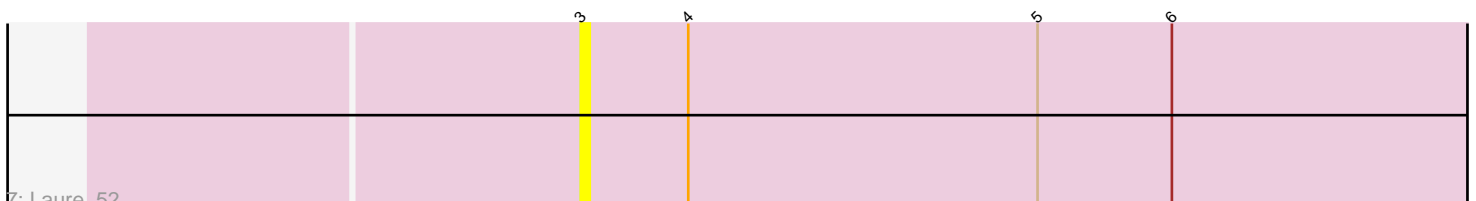
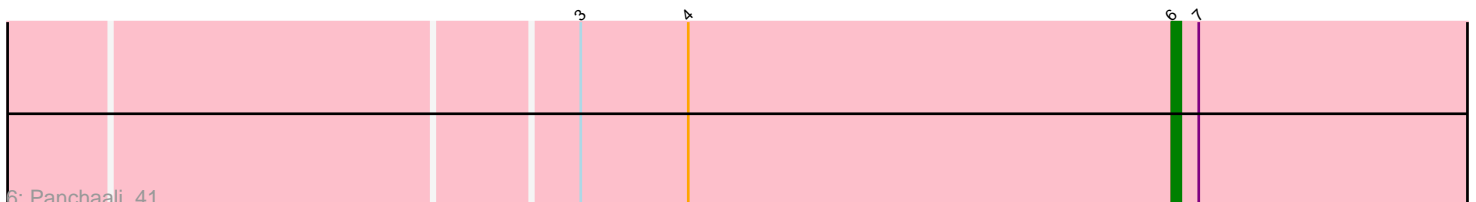
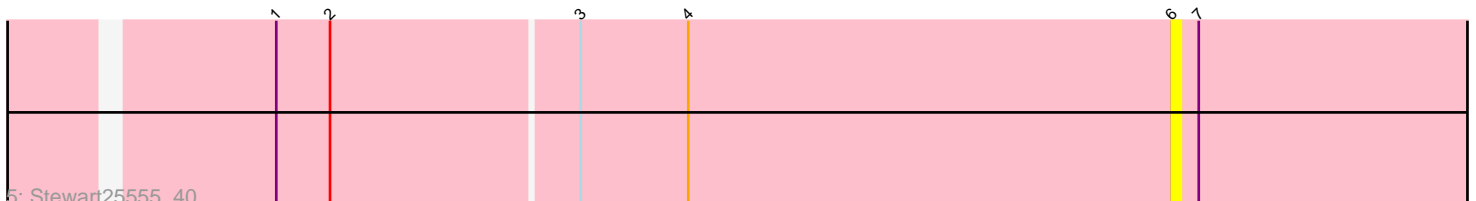
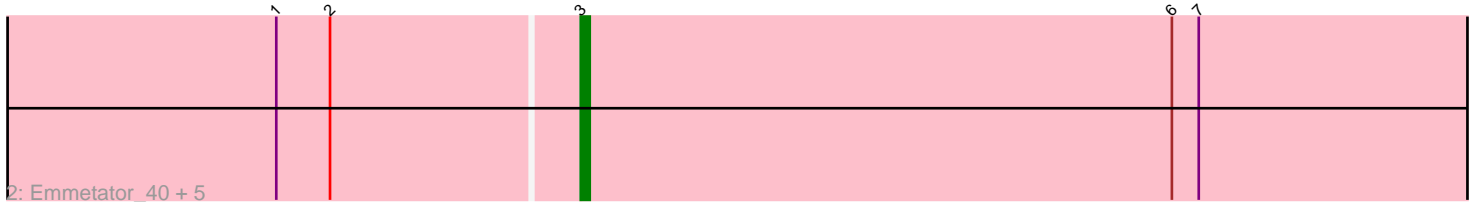
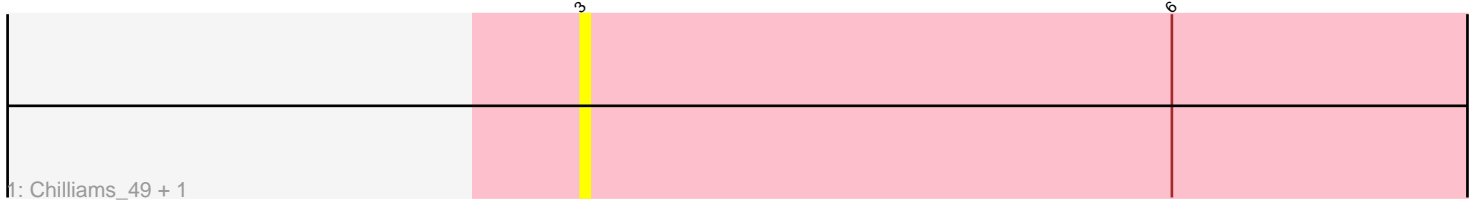


Pham 297093



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 297093 Report

This analysis was run 04/25/26 on database version 644.

Pham number 297093 has 13 members, 8 are drafts.

Phages represented in each track:

- Track 1 : Chilliams_49, Rockabye_51
- Track 2 : Emmetator_40, KSunshine22_43, DunneganBoMo_39, Artu_41, BooTeria_46, Ellewin_38
- Track 3 : SJReid_52
- Track 4 : WaddleDee_38
- Track 5 : Stewart25555_40
- Track 6 : Panchaali_41
- Track 7 : Laure_52

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

The start number called the most often in the published annotations is 3, it was called in 3 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Artu_41, BooTeria_46, Chilliams_49, DunneganBoMo_39, Ellewin_38, Emmetator_40, KSunshine22_43, Laure_52, Rockabye_51, SJReid_52,

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

- Panchaali_41, Stewart25555_40, WaddleDee_38,

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

-

Summary by start number:

Start 3:

- Found in 13 of 13 (100.0%) of genes in pham
- Manual Annotations of this start: 3 of 5
- Called 76.9% of time when present
- Phage (with cluster) where this start called: Artu_41 (FC), BooTeria_46 (FC), Chilliams_49 (FC), DunneganBoMo_39 (FC), Ellewin_38 (FC), Emmetator_40 (FC), KSunshine22_43 (FC), Laure_52 (UNK), Rockabye_51 (FC), SJReid_52 (FC),

Start 6:

- Found in 13 of 13 (100.0%) of genes in pham
- Manual Annotations of this start: 2 of 5
- Called 23.1% of time when present
- Phage (with cluster) where this start called: Panchaali_41 (FC), Stewart25555_40 (FC), WaddleDee_38 (FC),

Summary by clusters:

There are 2 clusters represented in this pham: UNK, FC,

Info for manual annotations of cluster FC:

- Start number 3 was manually annotated 3 times for cluster FC.
- Start number 6 was manually annotated 2 times for cluster FC.

Gene Information:

Gene: Artu_41 Start: 16455, Stop: 16763, Start Num: 3

Candidate Starts for Artu_41:

(1, 16422), (2, 16428), (Start: 3 @16455 has 3 MA's), (Start: 6 @16521 has 2 MA's), (7, 16524),

Gene: BooTeria_46 Start: 17049, Stop: 17357, Start Num: 3

Candidate Starts for BooTeria_46:

(1, 17016), (2, 17022), (Start: 3 @17049 has 3 MA's), (Start: 6 @17115 has 2 MA's), (7, 17118),

Gene: Chilliams_49 Start: 21829, Stop: 22155, Start Num: 3

Candidate Starts for Chilliams_49:

(Start: 3 @21829 has 3 MA's), (Start: 6 @21895 has 2 MA's),

Gene: DunneganBoMo_39 Start: 17038, Stop: 17346, Start Num: 3

Candidate Starts for DunneganBoMo_39:

(1, 17005), (2, 17011), (Start: 3 @17038 has 3 MA's), (Start: 6 @17104 has 2 MA's), (7, 17107),

Gene: Ellewin_38 Start: 16597, Stop: 16905, Start Num: 3

Candidate Starts for Ellewin_38:

(1, 16564), (2, 16570), (Start: 3 @16597 has 3 MA's), (Start: 6 @16663 has 2 MA's), (7, 16666),

Gene: Emmetator_40 Start: 16948, Stop: 17256, Start Num: 3

Candidate Starts for Emmetator_40:

(1, 16915), (2, 16921), (Start: 3 @16948 has 3 MA's), (Start: 6 @17014 has 2 MA's), (7, 17017),

Gene: KSunshine22_43 Start: 17650, Stop: 17958, Start Num: 3

Candidate Starts for KSunshine22_43:

(1, 17617), (2, 17623), (Start: 3 @17650 has 3 MA's), (Start: 6 @17716 has 2 MA's), (7, 17719),

Gene: Laure_52 Start: 22165, Stop: 22479, Start Num: 3

Candidate Starts for Laure_52:

(Start: 3 @22165 has 3 MA's), (4, 22177), (5, 22216), (Start: 6 @22231 has 2 MA's),

Gene: Panchaali_41 Start: 16722, Stop: 16964, Start Num: 6

Candidate Starts for Panchaali_41:

(Start: 3 @16656 has 3 MA's), (4, 16668), (Start: 6 @16722 has 2 MA's), (7, 16725),

Gene: Rockabye_51 Start: 22139, Stop: 22465, Start Num: 3

Candidate Starts for Rockabye_51:

(Start: 3 @22139 has 3 MA's), (Start: 6 @22205 has 2 MA's),

Gene: SJReid_52 Start: 22818, Stop: 23138, Start Num: 3

Candidate Starts for SJReid_52:

(Start: 3 @22818 has 3 MA's), (Start: 6 @22884 has 2 MA's),

Gene: Stewart25555_40 Start: 17073, Stop: 17315, Start Num: 6

Candidate Starts for Stewart25555_40:

(1, 16974), (2, 16980), (Start: 3 @17007 has 3 MA's), (4, 17019), (Start: 6 @17073 has 2 MA's), (7, 17076),

Gene: WaddleDee_38 Start: 16845, Stop: 17087, Start Num: 6

Candidate Starts for WaddleDee_38:

(1, 16746), (2, 16752), (Start: 3 @16779 has 3 MA's), (Start: 6 @16845 has 2 MA's), (7, 16848),