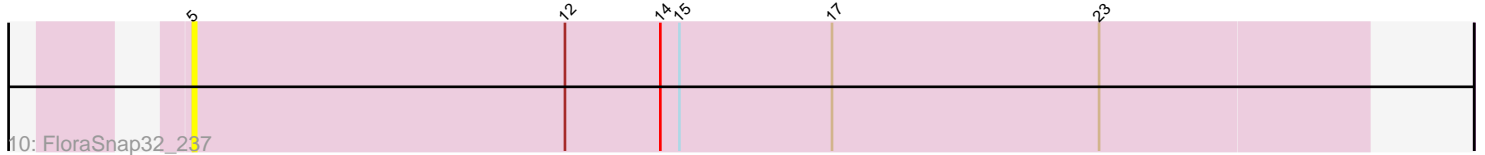
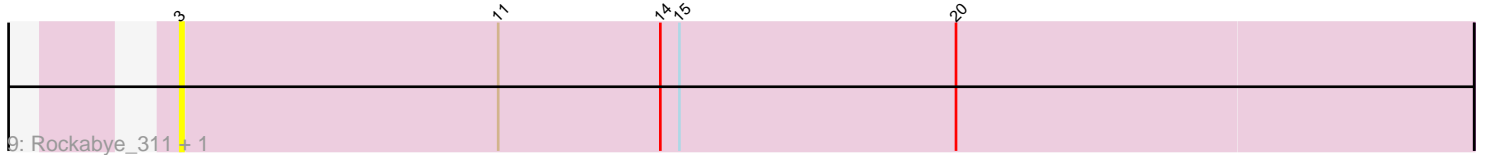
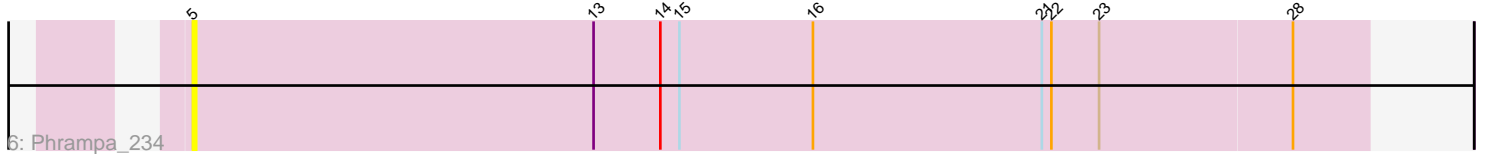
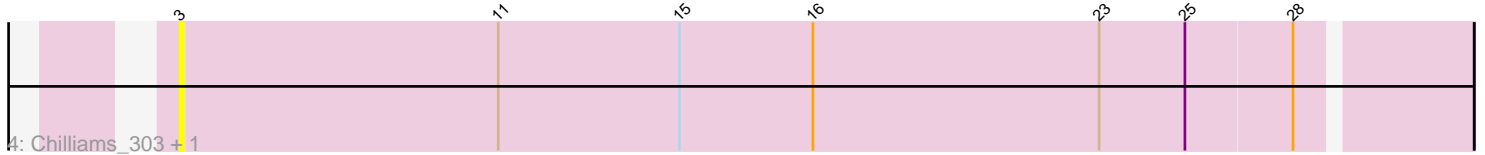
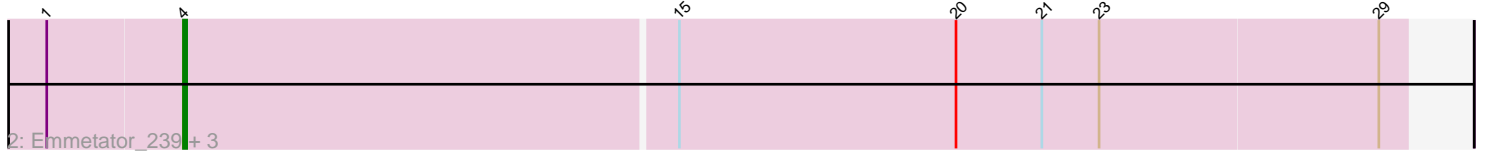
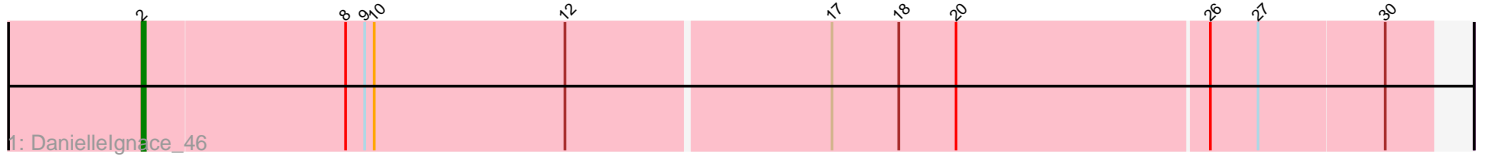


# Pham 245687



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 245687 Report

This analysis was run 02/07/26 on database version 634.

Pham number 245687 has 17 members, 12 are drafts.

Phages represented in each track:

- Track 1 : DanielleIgnace\_46
- Track 2 : Emmetator\_239, WaddleDee\_237, DunneganBoMo\_239, BooTeria\_246
- Track 3 : Panchaali\_247
- Track 4 : Chilliams\_303, Chilliams\_12
- Track 5 : Artu\_239, KSunshine22\_245
- Track 6 : Phrampa\_234
- Track 7 : SJReid\_323, SJReid\_14
- Track 8 : Stewart25555\_241
- Track 9 : Rockabye\_311, Rockabye\_12
- Track 10 : FloraSnap32\_237

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

The start number called the most often in the published annotations is 6, it was called in 2 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- SJReid\_14, SJReid\_323,

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

- 

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

- Artu\_239, BooTeria\_246, Chilliams\_12, Chilliams\_303, DanielleIgnace\_46, DunneganBoMo\_239, Emmetator\_239, FloraSnap32\_237, KSunshine22\_245, Panchaali\_247, Phrampa\_234, Rockabye\_12, Rockabye\_311, Stewart25555\_241, WaddleDee\_237,

### **Summary by start number:**

Start 2:

- Found in 1 of 17 ( 5.9% ) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present

- Phage (with cluster) where this start called: DanielleIgnace\_46 (AT),

#### Start 3:

- Found in 8 of 17 ( 47.1% ) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Artu\_239 (FC), Chilliamps\_12 (FC), Chilliamps\_303 (FC), KSunshine22\_245 (FC), Panchaali\_247 (FC), Rockabye\_12 (FC), Rockabye\_311 (FC), Stewart25555\_241 (FC),

#### Start 4:

- Found in 4 of 17 ( 23.5% ) of genes in pham
- Manual Annotations of this start: 2 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BooTeria\_246 (FC), DunneganBoMo\_239 (FC), Emmetator\_239 (FC), WaddleDee\_237 (FC),

#### Start 5:

- Found in 2 of 17 ( 11.8% ) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: FloraSnap32\_237 (FC), Phrampa\_234 (FC),

#### Start 6:

- Found in 2 of 17 ( 11.8% ) of genes in pham
- Manual Annotations of this start: 2 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: SJReid\_14 (FC), SJReid\_323 (FC),

### Summary by clusters:

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

Info for manual annotations of cluster AT:

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

Info for manual annotations of cluster FC:

- Start number 4 was manually annotated 2 times for cluster FC.
- Start number 6 was manually annotated 2 times for cluster FC.

### Gene Information:

Gene: Artu\_239 Start: 161161, Stop: 161541, Start Num: 3

Candidate Starts for Artu\_239:

(1, 161119), (3, 161161), (7, 161179), (15, 161314), (20, 161401), (21, 161428), (23, 161446), (28, 161506), (29, 161533),

Gene: BooTeria\_246 Start: 159663, Stop: 160043, Start Num: 4

Candidate Starts for BooTeria\_246:

(1, 159621), (Start: 4 @159663 has 2 MA's), (15, 159816), (20, 159903), (21, 159930), (23, 159948), (29, 160035),

Gene: Chilliamps\_303 Start: 178506, Stop: 178904, Start Num: 3

Candidate Starts for Chilliamps\_303:

(3, 178506), (11, 178605), (15, 178662), (16, 178704), (23, 178794), (25, 178821), (28, 178854),

Gene: Chilliamps\_12 Start: 5772, Stop: 6170, Start Num: 3

Candidate Starts for Chilliamps\_12:

(3, 5772), (11, 5871), (15, 5928), (16, 5970), (23, 6060), (25, 6087), (28, 6120),

Gene: DanielleIgnace\_46 Start: 33504, Stop: 33902, Start Num: 2

Candidate Starts for DanielleIgnace\_46:

(Start: 2 @33504 has 1 MA's), (8, 33567), (9, 33573), (10, 33576), (12, 33636), (17, 33717), (18, 33738), (20, 33756), (26, 33834), (27, 33849), (30, 33888),

Gene: DunneganBoMo\_239 Start: 159767, Stop: 160147, Start Num: 4

Candidate Starts for DunneganBoMo\_239:

(1, 159725), (Start: 4 @159767 has 2 MA's), (15, 159920), (20, 160007), (21, 160034), (23, 160052), (29, 160139),

Gene: Emmetator\_239 Start: 158542, Stop: 158922, Start Num: 4

Candidate Starts for Emmetator\_239:

(1, 158500), (Start: 4 @158542 has 2 MA's), (15, 158695), (20, 158782), (21, 158809), (23, 158827), (29, 158914),

Gene: FloraSnap32\_237 Start: 154670, Stop: 155038, Start Num: 5

Candidate Starts for FloraSnap32\_237:

(5, 154670), (12, 154787), (14, 154817), (15, 154823), (17, 154871), (23, 154955),

Gene: KSunshine22\_245 Start: 159166, Stop: 159546, Start Num: 3

Candidate Starts for KSunshine22\_245:

(1, 159124), (3, 159166), (7, 159184), (15, 159319), (20, 159406), (21, 159433), (23, 159451), (28, 159511), (29, 159538),

Gene: Panchaali\_247 Start: 158660, Stop: 159028, Start Num: 3

Candidate Starts for Panchaali\_247:

(3, 158660), (15, 158813),

Gene: Phrampa\_234 Start: 157405, Stop: 157773, Start Num: 5

Candidate Starts for Phrampa\_234:

(5, 157405), (13, 157531), (14, 157552), (15, 157558), (16, 157600), (21, 157672), (22, 157675), (23, 157690), (28, 157750),

Gene: Rockabye\_311 Start: 178830, Stop: 179234, Start Num: 3

Candidate Starts for Rockabye\_311:

(3, 178830), (11, 178929), (14, 178980), (15, 178986), (20, 179073),

Gene: Rockabye\_12 Start: 6217, Stop: 6621, Start Num: 3

Candidate Starts for Rockabye\_12:

(3, 6217), (11, 6316), (14, 6367), (15, 6373), (20, 6460),

Gene: SJReid\_323 Start: 179433, Stop: 179819, Start Num: 6

Candidate Starts for SJReid\_323:

(Start: 6 @179433 has 2 MA's), (8, 179472), (11, 179520), (15, 179577), (19, 179652), (23, 179709), (24, 179730),

Gene: SJReid\_14 Start: 6594, Stop: 6980, Start Num: 6

Candidate Starts for SJReid\_14:

(Start: 6 @6594 has 2 MA's), (8, 6633), (11, 6681), (15, 6738), (19, 6813), (23, 6870), (24, 6891),

Gene: Stewart25555\_241 Start: 158047, Stop: 158421, Start Num: 3

Candidate Starts for Stewart25555\_241:

(3, 158047), (11, 158143), (15, 158197), (29, 158416),

Gene: WaddleDee\_237 Start: 159300, Stop: 159680, Start Num: 4

Candidate Starts for WaddleDee\_237:

(1, 159258), (Start: 4 @159300 has 2 MA's), (15, 159453), (20, 159540), (21, 159567), (23, 159585), (29, 159672),