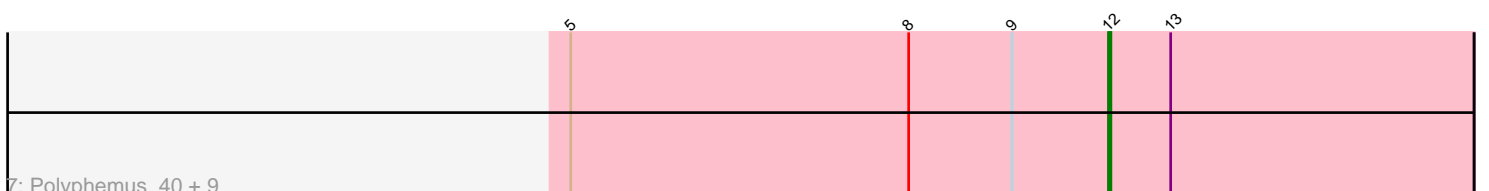
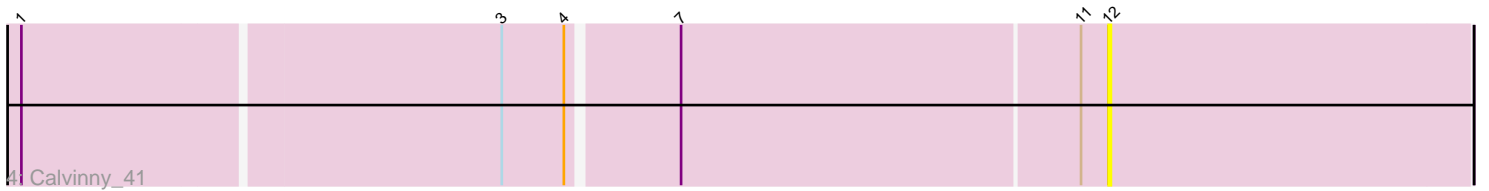
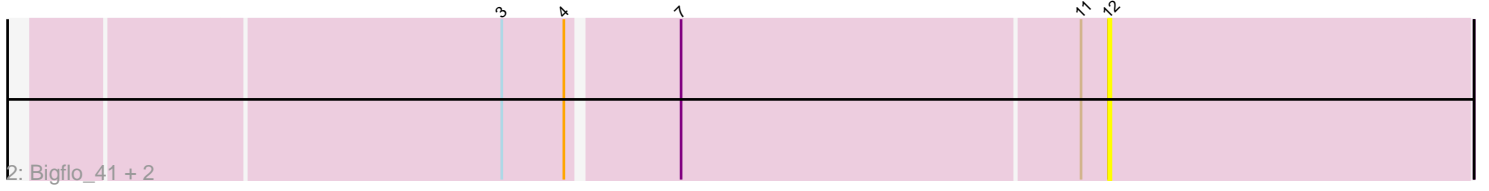
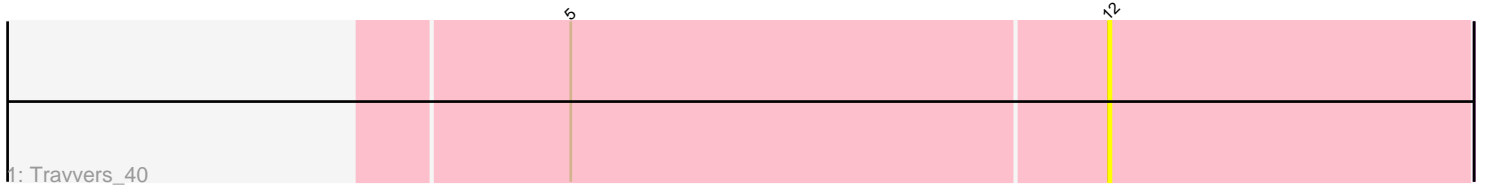


Pham 205551



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 205551 Report

This analysis was run 02/22/25 on database version 588.

Pham number 205551 has 22 members, 17 are drafts.

Phages represented in each track:

- Track 1 : Travvers\_40
- Track 2 : Bigflo\_41, Snickers\_41, Lowa\_41
- Track 3 : Chiqui\_35, BabyJohn\_35, Giroux\_36, DropBear\_36
- Track 4 : Calvinny\_41
- Track 5 : Colbster\_41
- Track 6 : TinyPebbles\_40
- Track 7 : Polyphemus\_40, Helmet\_41, BlessJoy\_40, Garak\_41, SuperCallie99\_40, Candra\_40, Chartreuse\_40, EricB\_40, Temprado\_41, Pmask\_40
- Track 8 : PP\_42

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

The start number called the most often in the published annotations is 12, it was called in 4 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bigflo\_41, BlessJoy\_40, Calvinny\_41, Candra\_40, Chartreuse\_40, Colbster\_41, EricB\_40, Garak\_41, Helmet\_41, Lowa\_41, Pmask\_40, Polyphemus\_40, Snickers\_41, SuperCallie99\_40, Temprado\_41, TinyPebbles\_40, Travvers\_40,

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

- 

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

- BabyJohn\_35, Chiqui\_35, DropBear\_36, Giroux\_36, PP\_42,

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

Start 10:

- Found in 5 of 22 ( 22.7% ) 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: BabyJohn\_35 (A3), Chiqui\_35 (A3), DropBear\_36 (A3), Giroux\_36 (A3), PP\_42 (A7),

Start 12:

- Found in 17 of 22 ( 77.3% ) of genes in pham
- Manual Annotations of this start: 4 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bigflo\_41 (A3), BlessJoy\_40 (A6), Calvinny\_41 (A3), Candra\_40 (A6), Chartreuse\_40 (A6), Colbster\_41 (A3), EricB\_40 (A6), Garak\_41 (A6), Helmet\_41 (A6), Lowa\_41 (A3), Pmask\_40 (A6), Polyphemos\_40 (A6), Snickers\_41 (A3), SuperCallie99\_40 (A6), Temprado\_41 (A6), TinyPebbles\_40 (A3), Travvers\_40 (A2),

### **Summary by clusters:**

There are 4 clusters represented in this pham: A3, A2, A7, A6,

Info for manual annotations of cluster A3:

- Start number 12 was manually annotated 1 time for cluster A3.

Info for manual annotations of cluster A6:

- Start number 12 was manually annotated 3 times for cluster A6.

Info for manual annotations of cluster A7:

- Start number 10 was manually annotated 1 time for cluster A7.

### **Gene Information:**

Gene: BabyJohn\_35 Start: 27894, Stop: 27706, Start Num: 10

Candidate Starts for BabyJohn\_35:

(4, 28092), (Start: 10 @27894 has 1 MA's),

Gene: Bigflo\_41 Start: 28347, Stop: 28192, Start Num: 12

Candidate Starts for Bigflo\_41:

(3, 28602), (4, 28575), (7, 28530), (11, 28359), (Start: 12 @28347 has 4 MA's),

Gene: BlessJoy\_40 Start: 26377, Stop: 26219, Start Num: 12

Candidate Starts for BlessJoy\_40:

(5, 26611), (8, 26464), (9, 26419), (Start: 12 @26377 has 4 MA's), (13, 26350),

Gene: Calvinny\_41 Start: 28173, Stop: 28018, Start Num: 12

Candidate Starts for Calvinny\_41:

(1, 28629), (3, 28428), (4, 28401), (7, 28356), (11, 28185), (Start: 12 @28173 has 4 MA's),

Gene: Candra\_40 Start: 26418, Stop: 26260, Start Num: 12

Candidate Starts for Candra\_40:

(5, 26652), (8, 26505), (9, 26460), (Start: 12 @26418 has 4 MA's), (13, 26391),

Gene: Chartreuse\_40 Start: 26329, Stop: 26171, Start Num: 12

Candidate Starts for Chartreuse\_40:

(5, 26563), (8, 26416), (9, 26371), (Start: 12 @26329 has 4 MA's), (13, 26302),

Gene: Chiqui\_35 Start: 27903, Stop: 27715, Start Num: 10

Candidate Starts for Chiqui\_35:

(4, 28101), (Start: 10 @27903 has 1 MA's),

Gene: Colbster\_41 Start: 28348, Stop: 28193, Start Num: 12

Candidate Starts for Colbster\_41:

(3, 28603), (4, 28576), (7, 28531), (11, 28360), (Start: 12 @28348 has 4 MA's),

Gene: DropBear\_36 Start: 27668, Stop: 27480, Start Num: 10

Candidate Starts for DropBear\_36:

(4, 27866), (Start: 10 @27668 has 1 MA's),

Gene: EricB\_40 Start: 26375, Stop: 26217, Start Num: 12

Candidate Starts for EricB\_40:

(5, 26609), (8, 26462), (9, 26417), (Start: 12 @26375 has 4 MA's), (13, 26348),

Gene: Garak\_41 Start: 26383, Stop: 26225, Start Num: 12

Candidate Starts for Garak\_41:

(5, 26617), (8, 26470), (9, 26425), (Start: 12 @26383 has 4 MA's), (13, 26356),

Gene: Giroux\_36 Start: 27600, Stop: 27412, Start Num: 10

Candidate Starts for Giroux\_36:

(4, 27798), (Start: 10 @27600 has 1 MA's),

Gene: Helmet\_41 Start: 26383, Stop: 26225, Start Num: 12

Candidate Starts for Helmet\_41:

(5, 26617), (8, 26470), (9, 26425), (Start: 12 @26383 has 4 MA's), (13, 26356),

Gene: Lowa\_41 Start: 28340, Stop: 28185, Start Num: 12

Candidate Starts for Lowa\_41:

(3, 28595), (4, 28568), (7, 28523), (11, 28352), (Start: 12 @28340 has 4 MA's),

Gene: PP\_42 Start: 32157, Stop: 31975, Start Num: 10

Candidate Starts for PP\_42:

(2, 32478), (4, 32358), (Start: 10 @32157 has 1 MA's), (13, 32097), (14, 32001), (15, 31992),

Gene: Pmask\_40 Start: 26376, Stop: 26218, Start Num: 12

Candidate Starts for Pmask\_40:

(5, 26610), (8, 26463), (9, 26418), (Start: 12 @26376 has 4 MA's), (13, 26349),

Gene: Polyphemus\_40 Start: 26374, Stop: 26216, Start Num: 12

Candidate Starts for Polyphemus\_40:

(5, 26608), (8, 26461), (9, 26416), (Start: 12 @26374 has 4 MA's), (13, 26347),

Gene: Snickers\_41 Start: 28321, Stop: 28166, Start Num: 12

Candidate Starts for Snickers\_41:

(3, 28576), (4, 28549), (7, 28504), (11, 28333), (Start: 12 @28321 has 4 MA's),

Gene: SuperCallie99\_40 Start: 26374, Stop: 26216, Start Num: 12

Candidate Starts for SuperCallie99\_40:

(5, 26608), (8, 26461), (9, 26416), (Start: 12 @26374 has 4 MA's), (13, 26347),

Gene: Temprado\_41 Start: 26383, Stop: 26225, Start Num: 12

Candidate Starts for Temprado\_41:

(5, 26617), (8, 26470), (9, 26425), (Start: 12 @26383 has 4 MA's), (13, 26356),

Gene: TinyPebbles\_40 Start: 28348, Stop: 28193, Start Num: 12

Candidate Starts for TinyPebbles\_40:

(3, 28603), (4, 28576), (6, 28549), (7, 28531), (11, 28360), (Start: 12 @28348 has 4 MA's),

Gene: Travvers\_40 Start: 27752, Stop: 27597, Start Num: 12

Candidate Starts for Travvers\_40:

(5, 27983), (Start: 12 @27752 has 4 MA's),