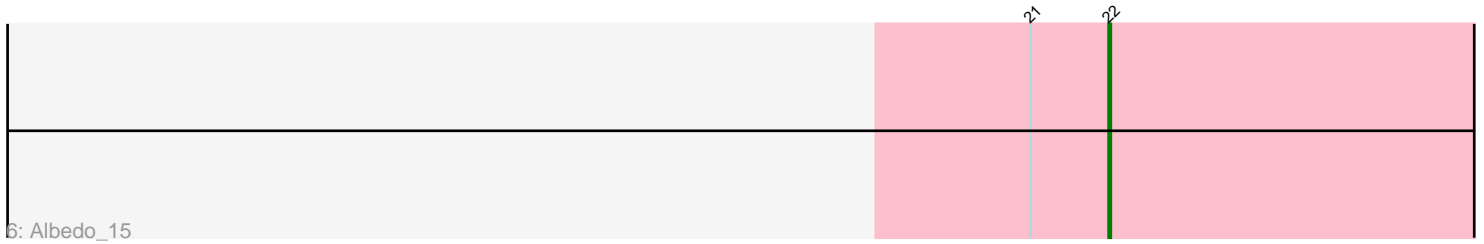
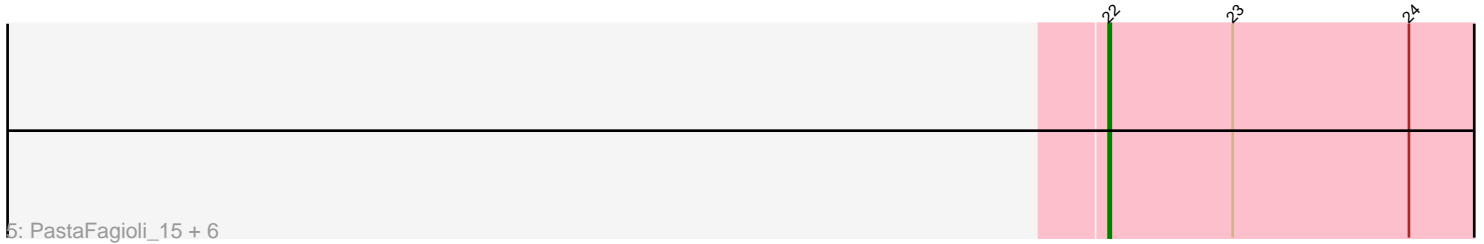
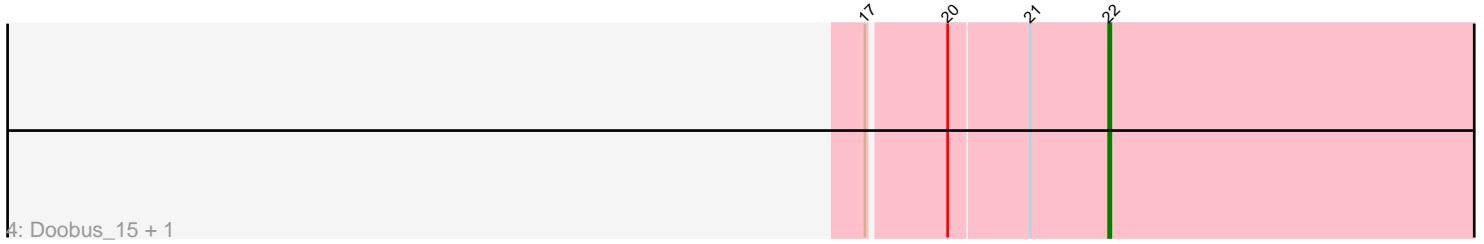
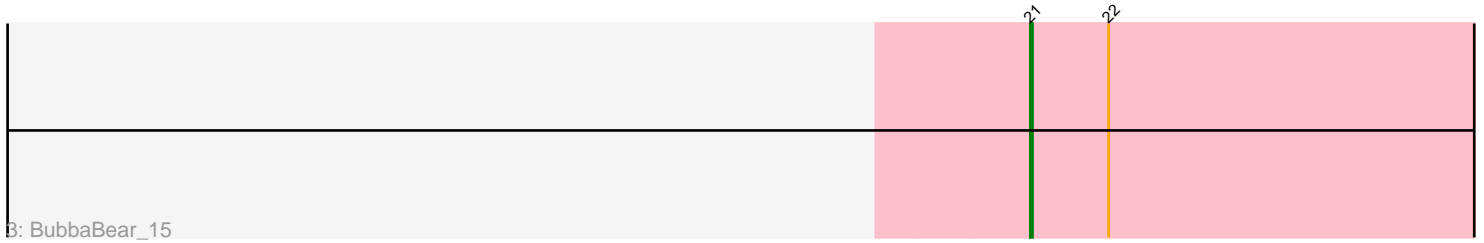
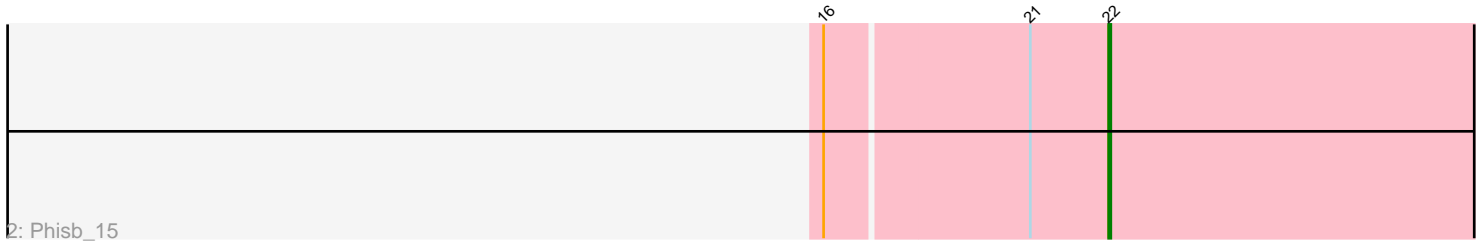
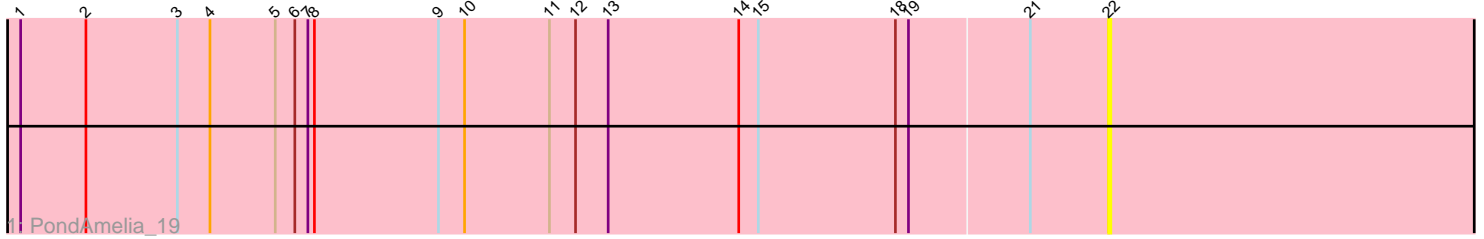


# Pham 295233



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 295233 Report

This analysis was run 04/18/26 on database version 643.

Pham number 295233 has 13 members, 3 are drafts.

Phages represented in each track:

- Track 1 : PondAmelia\_19
- Track 2 : Phisb\_15
- Track 3 : BubbaBear\_15
- Track 4 : Doobus\_15, SirBeanington\_15
- Track 5 : PastaFagioli\_15, Avocadoman\_15, LimaBean\_15, Abigail\_15, Solea\_17, Milomuff\_16, Johnathan\_15
- Track 6 : Albedo\_15

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

The start number called the most often in the published annotations is 22, it was called in 9 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abigail\_15, Albedo\_15, Avocadoman\_15, Doobus\_15, Johnathan\_15, LimaBean\_15, Milomuff\_16, PastaFagioli\_15, Phisb\_15, PondAmelia\_19, SirBeanington\_15, Solea\_17,

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

- BubbaBear\_15,

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

- 

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

Start 21:

- Found in 6 of 13 ( 46.2% ) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 16.7% of time when present
- Phage (with cluster) where this start called: BubbaBear\_15 (EB),

Start 22:

- Found in 13 of 13 ( 100.0% ) of genes in pham

- Manual Annotations of this start: 9 of 10
- Called 92.3% of time when present
- Phage (with cluster) where this start called: Abigail\_15 (EB), Albedo\_15 (EB), Avocadoman\_15 (EB), Doobus\_15 (EB), Johnathan\_15 (EB), LimaBean\_15 (EB), Milomuff\_16 (EB), PastaFagioli\_15 (EB), Phisb\_15 (EB), PondAmelia\_19 (EB), SirBeanington\_15 (EB), Solea\_17 (EB),

### **Summary by clusters:**

There is one cluster represented in this pham: EB

Info for manual annotations of cluster EB:

- Start number 21 was manually annotated 1 time for cluster EB.
- Start number 22 was manually annotated 9 times for cluster EB.

### **Gene Information:**

Gene: Abigail\_15 Start: 10292, Stop: 10077, Start Num: 22

Candidate Starts for Abigail\_15:

(Start: 22 @10292 has 9 MA's), (23, 10235), (24, 10154),

Gene: Albedo\_15 Start: 10144, Stop: 9923, Start Num: 22

Candidate Starts for Albedo\_15:

(Start: 21 @10180 has 1 MA's), (Start: 22 @10144 has 9 MA's),

Gene: Avocadoman\_15 Start: 10235, Stop: 10020, Start Num: 22

Candidate Starts for Avocadoman\_15:

(Start: 22 @10235 has 9 MA's), (23, 10178), (24, 10097),

Gene: BubbaBear\_15 Start: 10180, Stop: 9923, Start Num: 21

Candidate Starts for BubbaBear\_15:

(Start: 21 @10180 has 1 MA's), (Start: 22 @10144 has 9 MA's),

Gene: Doobus\_15 Start: 10410, Stop: 10189, Start Num: 22

Candidate Starts for Doobus\_15:

(17, 10515), (20, 10482), (Start: 21 @10446 has 1 MA's), (Start: 22 @10410 has 9 MA's),

Gene: Johnathan\_15 Start: 10173, Stop: 9958, Start Num: 22

Candidate Starts for Johnathan\_15:

(Start: 22 @10173 has 9 MA's), (23, 10116), (24, 10035),

Gene: LimaBean\_15 Start: 10173, Stop: 9958, Start Num: 22

Candidate Starts for LimaBean\_15:

(Start: 22 @10173 has 9 MA's), (23, 10116), (24, 10035),

Gene: Milomuff\_16 Start: 10559, Stop: 10344, Start Num: 22

Candidate Starts for Milomuff\_16:

(Start: 22 @10559 has 9 MA's), (23, 10502), (24, 10421),

Gene: PastaFagioli\_15 Start: 10279, Stop: 10064, Start Num: 22

Candidate Starts for PastaFagioli\_15:

(Start: 22 @10279 has 9 MA's), (23, 10222), (24, 10141),

Gene: Phisb\_15 Start: 10144, Stop: 9923, Start Num: 22

Candidate Starts for Phisb\_15:

(16, 10270), (Start: 21 @10180 has 1 MA's), (Start: 22 @10144 has 9 MA's),

Gene: PondAmelia\_19 Start: 10398, Stop: 10177, Start Num: 22

Candidate Starts for PondAmelia\_19:

(1, 10896), (2, 10866), (3, 10824), (4, 10809), (5, 10779), (6, 10770), (7, 10764), (8, 10761), (9, 10704), (10, 10692), (11, 10653), (12, 10641), (13, 10626), (14, 10566), (15, 10557), (18, 10494), (19, 10488), (Start: 21 @10434 has 1 MA's), (Start: 22 @10398 has 9 MA's),

Gene: SirBeanington\_15 Start: 10153, Stop: 9932, Start Num: 22

Candidate Starts for SirBeanington\_15:

(17, 10258), (20, 10225), (Start: 21 @10189 has 1 MA's), (Start: 22 @10153 has 9 MA's),

Gene: Solea\_17 Start: 10559, Stop: 10344, Start Num: 22

Candidate Starts for Solea\_17:

(Start: 22 @10559 has 9 MA's), (23, 10502), (24, 10421),