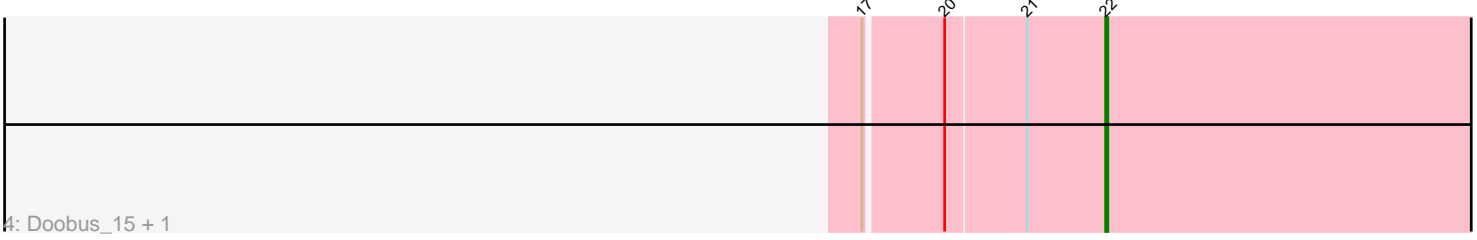
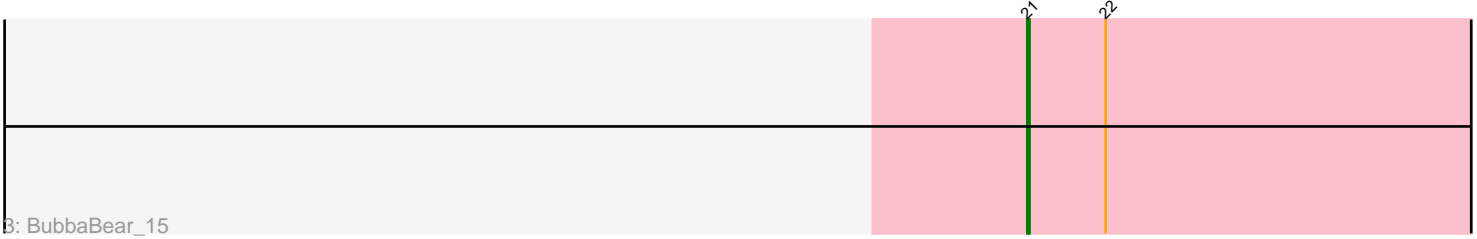
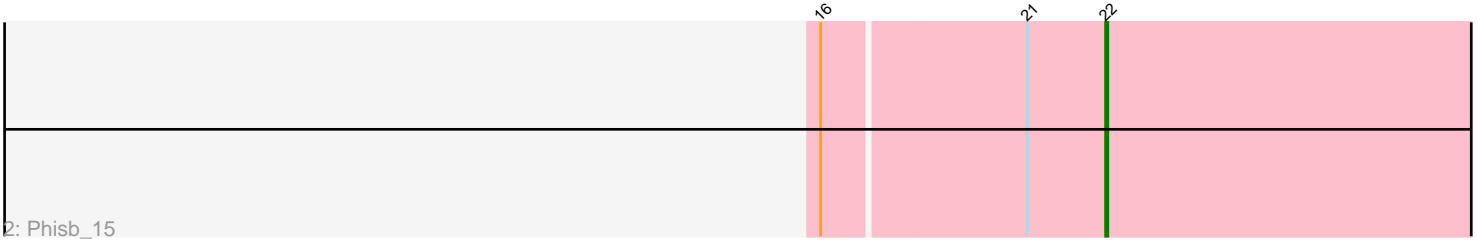
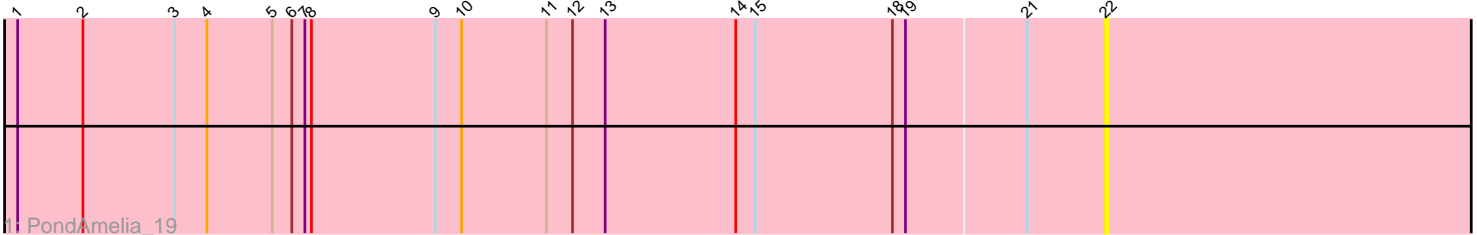


Pham 281031



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 281031 Report

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

Pham number 281031 has 13 members, 4 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_17, 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 8 of the 9 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_17, 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 9
- 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: 8 of 9
- 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_17 (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 8 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 8 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 8 MA's),

Gene: Avocadoman_15 Start: 10235, Stop: 10020, Start Num: 22

Candidate Starts for Avocadoman_15:

(Start: 22 @10235 has 8 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 8 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 8 MA's),

Gene: Johnathan_15 Start: 10173, Stop: 9958, Start Num: 22

Candidate Starts for Johnathan_15:

(Start: 22 @10173 has 8 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 8 MA's), (23, 10116), (24, 10035),

Gene: Milomuff_17 Start: 10559, Stop: 10344, Start Num: 22

Candidate Starts for Milomuff_17:

(Start: 22 @10559 has 8 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 8 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 8 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 8 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 8 MA's),

Gene: Solea_17 Start: 10559, Stop: 10344, Start Num: 22

Candidate Starts for Solea_17:

(Start: 22 @10559 has 8 MA's), (23, 10502), (24, 10421),