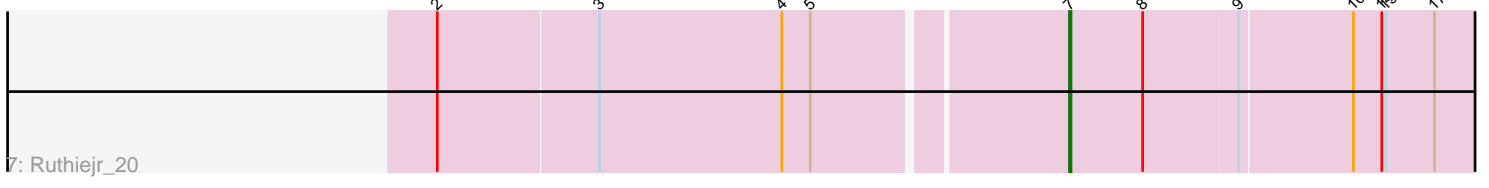
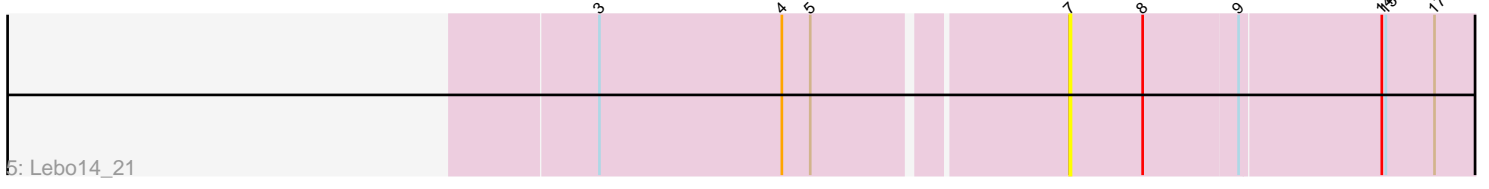
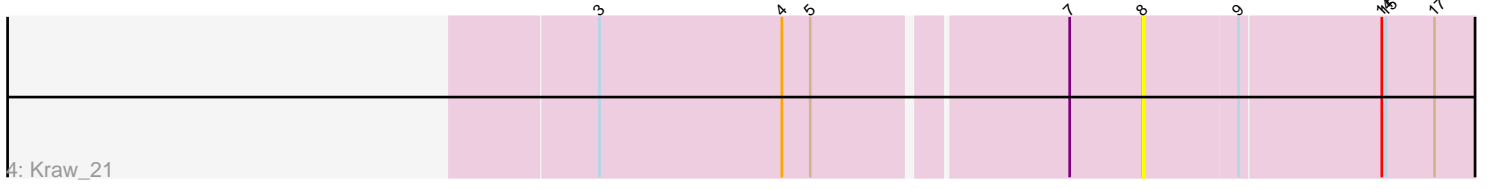
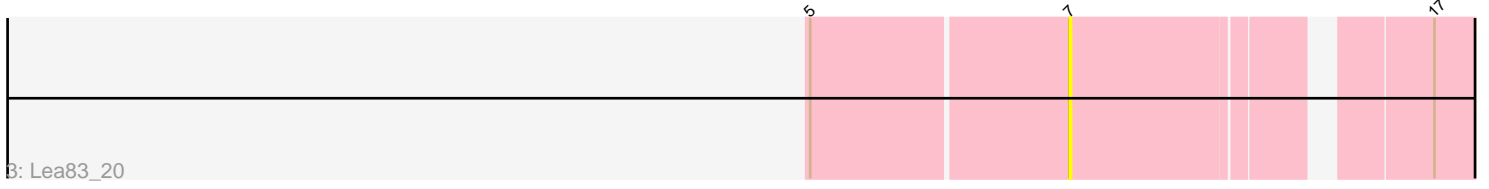
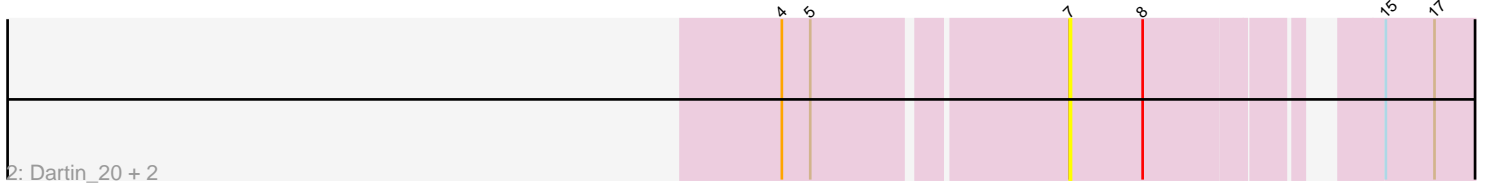
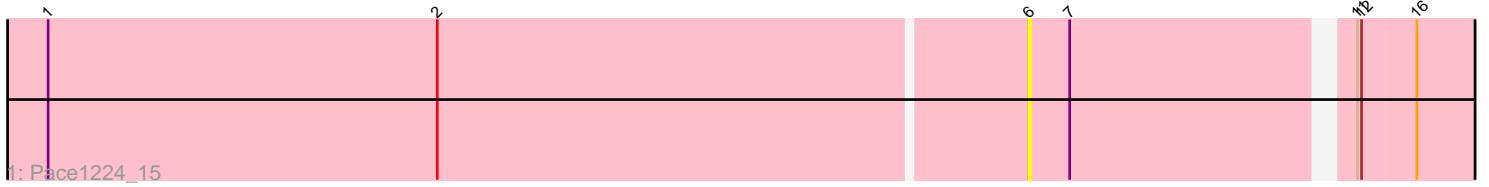


Pham 220309



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 220309 Report

This analysis was run 03/28/25 on database version 593.

Pham number 220309 has 11 members, 10 are drafts.

Phages represented in each track:

- Track 1 : Pace1224_15
- Track 2 : Dartin_20, McMater_20, Richo_20
- Track 3 : Lea83_20
- Track 4 : Kraw_21
- Track 5 : Lebo14_21
- Track 6 : Bobquesha_21
- Track 7 : Ruthiejr_20
- Track 8 : ViviJ_17, Neighly_18

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

The start number called the most often in the published annotations is 7, it was called in 1 of the 1 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bobquesha_21, Dartin_20, Lea83_20, Lebo14_21, McMater_20, Neighly_18, Richo_20, Ruthiejr_20, ViviJ_17,

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

- Kraw_21, Pace1224_15,

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

-

Summary by start number:

Start 6:

- Found in 1 of 11 (9.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Pace1224_15 (G2),

Start 7:

- Found in 11 of 11 (100.0%) of genes in pham

- Manual Annotations of this start: 1 of 1
- Called 81.8% of time when present
- Phage (with cluster) where this start called: Bobquesha_21 (K4), Dartin_20 (K1), Lea83_20 (K3), Lebo14_21 (K4), McMater_20 (K1), Neighly_18 (K3), Richo_20 (K1), Ruthiejr_20 (K4), ViviJ_17 (K5),

Start 8:

- Found in 7 of 11 (63.6%) of genes in pham
- No Manual Annotations of this start.
- Called 14.3% of time when present
- Phage (with cluster) where this start called: Kraw_21 (K4),

Summary by clusters:

There are 5 clusters represented in this pham: K3, K1, G2, K5, K4,

Info for manual annotations of cluster K4:

- Start number 7 was manually annotated 1 time for cluster K4.

Gene Information:

Gene: Bobquesha_21 Start: 12744, Stop: 13064, Start Num: 7

Candidate Starts for Bobquesha_21:

(Start: 7 @12744 has 1 MA's), (8, 12798), (9, 12867), (14, 12969), (15, 12972), (17, 13008),

Gene: Dartin_20 Start: 10832, Stop: 11128, Start Num: 7

Candidate Starts for Dartin_20:

(4, 10634), (5, 10655), (Start: 7 @10832 has 1 MA's), (8, 10886), (15, 11027), (17, 11063),

Gene: Kraw_21 Start: 12968, Stop: 13234, Start Num: 8

Candidate Starts for Kraw_21:

(3, 12581), (4, 12716), (5, 12737), (Start: 7 @12914 has 1 MA's), (8, 12968), (9, 13037), (14, 13139), (15, 13142), (17, 13178),

Gene: Lea83_20 Start: 11903, Stop: 12193, Start Num: 7

Candidate Starts for Lea83_20:

(5, 11717), (Start: 7 @11903 has 1 MA's), (17, 12137),

Gene: Lebo14_21 Start: 13004, Stop: 13324, Start Num: 7

Candidate Starts for Lebo14_21:

(3, 12671), (4, 12806), (5, 12827), (Start: 7 @13004 has 1 MA's), (8, 13058), (9, 13127), (14, 13229), (15, 13232), (17, 13268),

Gene: McMater_20 Start: 10832, Stop: 11128, Start Num: 7

Candidate Starts for McMater_20:

(4, 10634), (5, 10655), (Start: 7 @10832 has 1 MA's), (8, 10886), (15, 11027), (17, 11063),

Gene: Neighly_18 Start: 11677, Stop: 11961, Start Num: 7
Candidate Starts for Neighly_18:
(Start: 7 @11677 has 1 MA's), (11, 11860), (13, 11872), (17, 11914),

Gene: Pace1224_15 Start: 11290, Stop: 11628, Start Num: 6
Candidate Starts for Pace1224_15:
(1, 10573), (2, 10861), (6, 11290), (Start: 7 @11320 has 1 MA's), (11, 11512), (12, 11515), (16, 11554),

Gene: Richo_20 Start: 10832, Stop: 11128, Start Num: 7
Candidate Starts for Richo_20:
(4, 10634), (5, 10655), (Start: 7 @10832 has 1 MA's), (8, 10886), (15, 11027), (17, 11063),

Gene: Ruthiejr_20 Start: 12597, Stop: 12920, Start Num: 7
Candidate Starts for Ruthiejr_20:
(2, 12147), (3, 12264), (4, 12399), (5, 12420), (Start: 7 @12597 has 1 MA's), (8, 12651), (9, 12720),
(10, 12801), (14, 12822), (15, 12825), (17, 12861),

Gene: ViviJ_17 Start: 11695, Stop: 11979, Start Num: 7
Candidate Starts for ViviJ_17:
(Start: 7 @11695 has 1 MA's), (11, 11878), (13, 11890), (17, 11932),