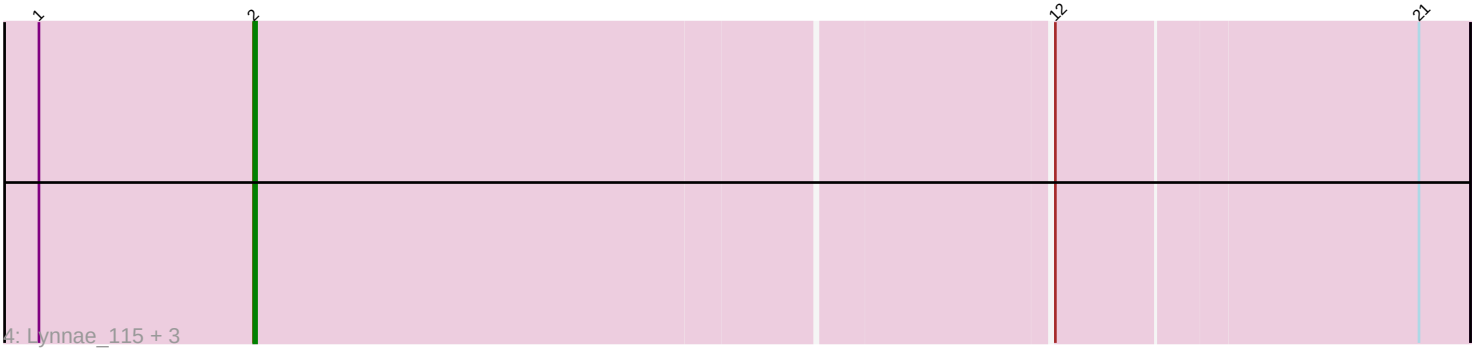
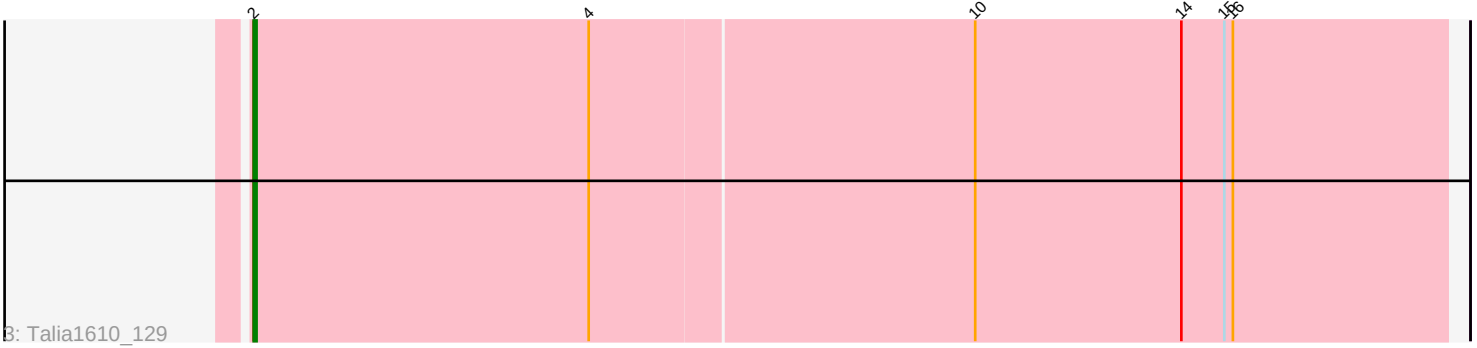
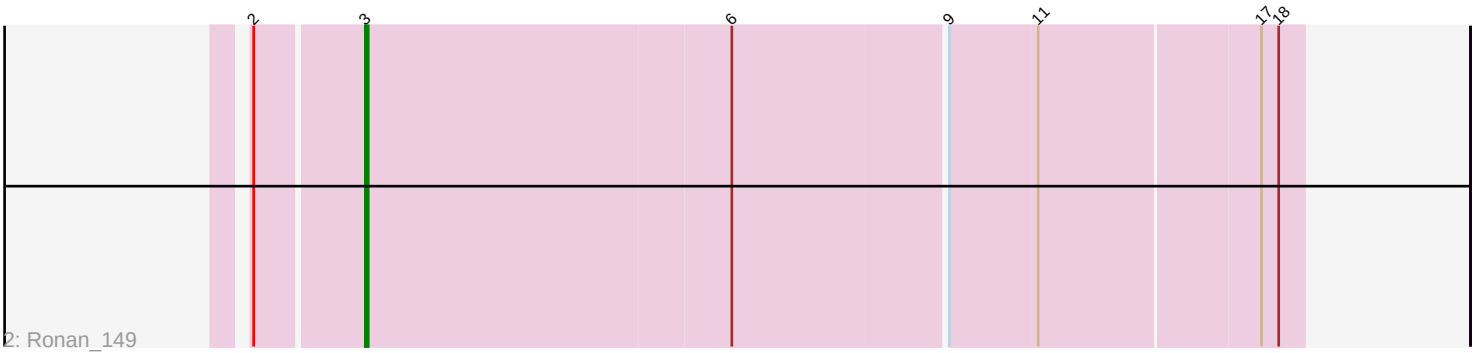
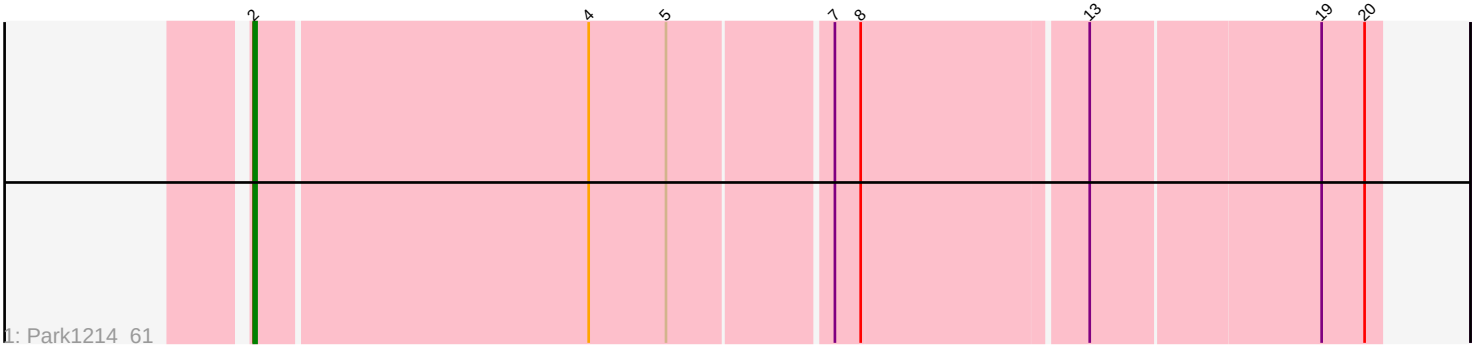


Pham 309991



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 309991 Report

This analysis was run 09/05/26 on database version 662.

Pham number 309991 has 7 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Park1214_61
- Track 2 : Ronan_149
- Track 3 : Talia1610_129
- Track 4 : Lynnae_115, Kahlid_114, Wilder_114, DanBing_116

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

The start number called the most often in the published annotations is 2, it was called in 4 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- DanBing_116, Kahlid_114, Lynnae_115, Park1214_61, Talia1610_129, Wilder_114,

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

- Ronan_149,

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

•

Summary by start number:

Start 2:

- Found in 7 of 7 (100.0%) of genes in pham
- Manual Annotations of this start: 4 of 5
- Called 85.7% of time when present
- Phage (with cluster) where this start called: DanBing_116 (L2), Kahlid_114 (L2), Lynnae_115 (L2), Park1214_61 (BS), Talia1610_129 (FC), Wilder_114 (L2),

Start 3:

- Found in 1 of 7 (14.3%) 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: Ronan_149 (C1),

Summary by clusters:

There are 4 clusters represented in this pham: C1, FC, L2, BS,

Info for manual annotations of cluster BS:

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

Info for manual annotations of cluster C1:

- Start number 3 was manually annotated 1 time for cluster C1.

Info for manual annotations of cluster FC:

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

Info for manual annotations of cluster L2:

- Start number 2 was manually annotated 2 times for cluster L2.

Gene Information:

Gene: DanBing_116 Start: 64737, Stop: 65147, Start Num: 2

Candidate Starts for DanBing_116:

(1, 64662), (Start: 2 @64737 has 4 MA's), (12, 65007), (21, 65130),

Gene: Kahlid_114 Start: 64167, Stop: 64577, Start Num: 2

Candidate Starts for Kahlid_114:

(1, 64092), (Start: 2 @64167 has 4 MA's), (12, 64437), (21, 64560),

Gene: Lynnae_115 Start: 63980, Stop: 64390, Start Num: 2

Candidate Starts for Lynnae_115:

(1, 63905), (Start: 2 @63980 has 4 MA's), (12, 64250), (21, 64373),

Gene: Park1214_61 Start: 20017, Stop: 20394, Start Num: 2

Candidate Starts for Park1214_61:

(Start: 2 @20017 has 4 MA's), (4, 20131), (5, 20158), (7, 20212), (8, 20221), (13, 20296), (19, 20374), (20, 20389),

Gene: Ronan_149 Start: 89052, Stop: 89369, Start Num: 3

Candidate Starts for Ronan_149:

(Start: 2 @89016 has 4 MA's), (Start: 3 @89052 has 1 MA's), (6, 89178), (9, 89250), (11, 89280), (17, 89355), (18, 89361),

Gene: Talia1610_129 Start: 93582, Stop: 93995, Start Num: 2

Candidate Starts for Talia1610_129:

(Start: 2 @93582 has 4 MA's), (4, 93699), (10, 93831), (14, 93903), (15, 93918), (16, 93921),

Gene: Wilder_114 Start: 64021, Stop: 64431, Start Num: 2

Candidate Starts for Wilder_114:

(1, 63946), (Start: 2 @64021 has 4 MA's), (12, 64291), (21, 64414),