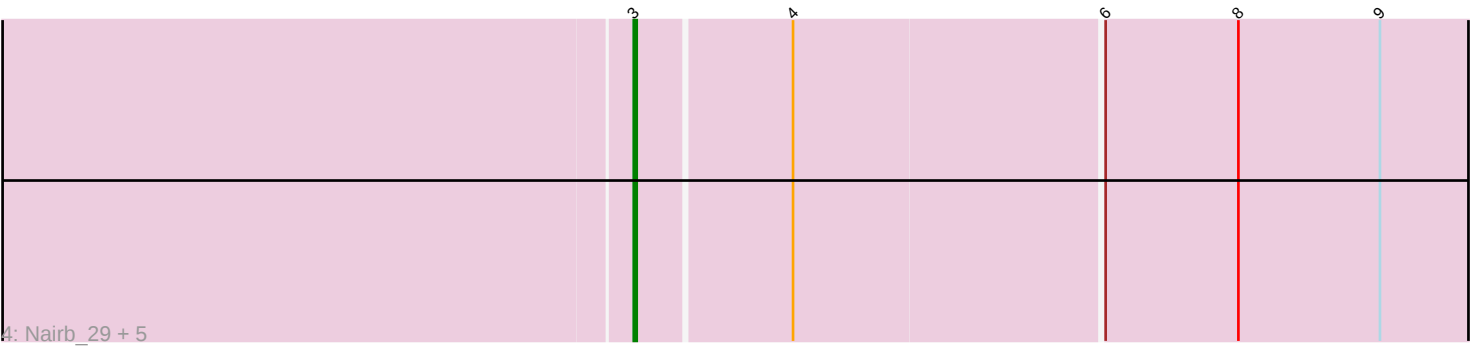
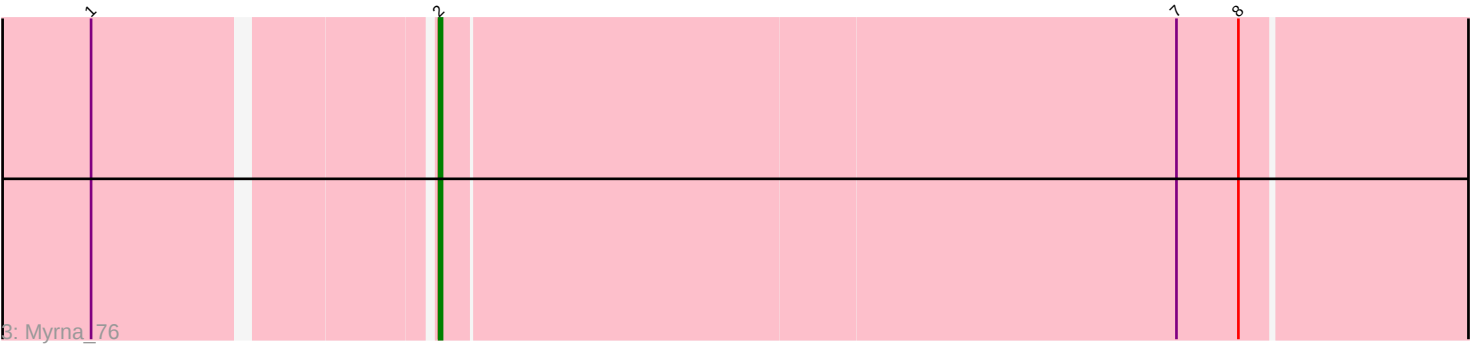
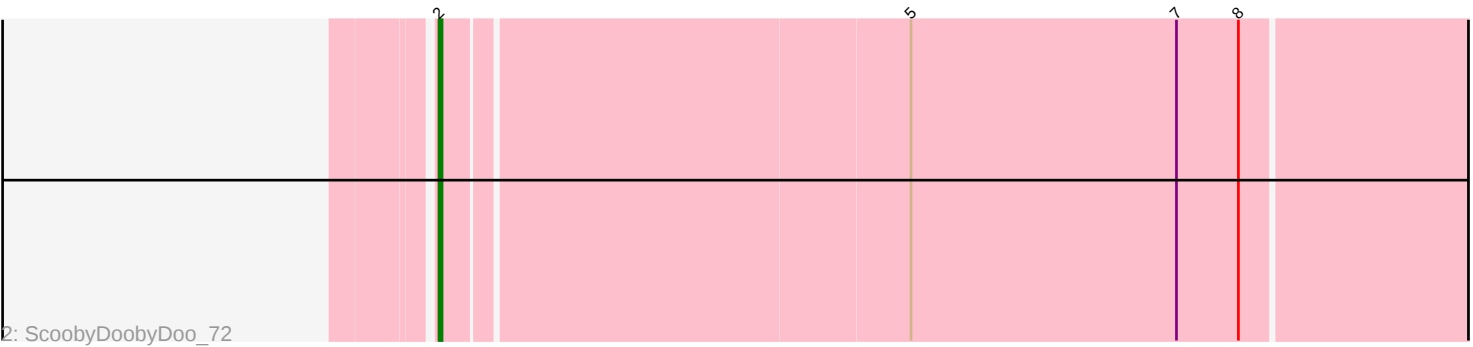
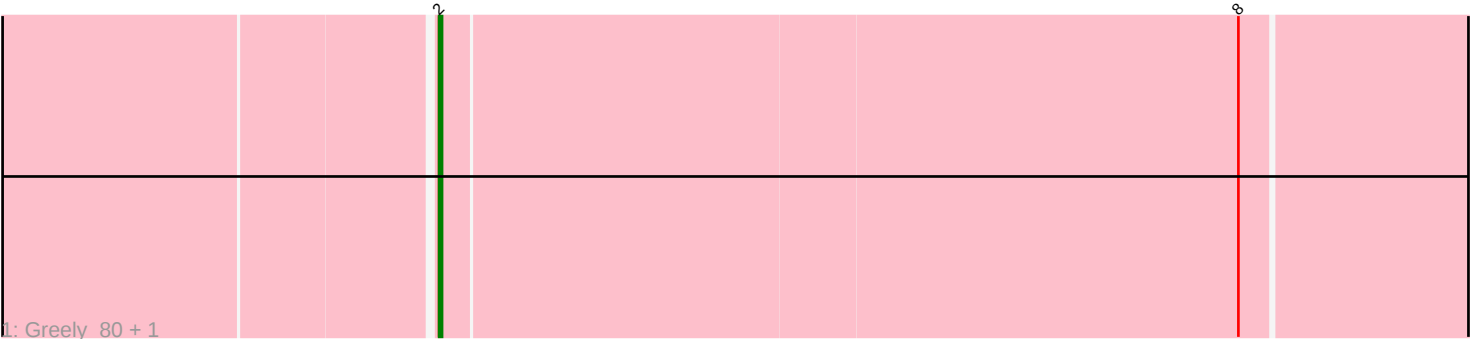




Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 309792 Report

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

Pham number 309792 has 10 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Greely_80, Phabba_82
- Track 2 : ScoobyDoobyDoo_72
- Track 3 : Myrna_76
- Track 4 : Nairb_29, Ibrahim_29, Bernal13_29, ZenTime222_29, Whitty_29, RonRayGun_29

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

The start number called the most often in the published annotations is 3, it was called in 6 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bernal13_29, Ibrahim_29, Nairb_29, RonRayGun_29, Whitty_29, ZenTime222_29,

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

-

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

- Greely_80, Myrna_76, Phabba_82, ScoobyDoobyDoo_72,

Summary by start number:

Start 2:

- Found in 4 of 10 (40.0%) of genes in pham
- Manual Annotations of this start: 3 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Greely_80 (C2), Myrna_76 (C2), Phabba_82 (C2), ScoobyDoobyDoo_72 (C2),

Start 3:

- Found in 6 of 10 (60.0%) of genes in pham
- Manual Annotations of this start: 6 of 9
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Bernal13_29 (T), Ibrahim_29 (T), Nairb_29 (T), RonRayGun_29 (T), Whitty_29 (T), ZenTime222_29 (T),

Summary by clusters:

There are 2 clusters represented in this pham: C2, T,

Info for manual annotations of cluster C2:

- Start number 2 was manually annotated 3 times for cluster C2.

Info for manual annotations of cluster T:

- Start number 3 was manually annotated 6 times for cluster T.

Gene Information:

Gene: Bernal13_29 Start: 25680, Stop: 25976, Start Num: 3

Candidate Starts for Bernal13_29:

(Start: 3 @25680 has 6 MA's), (4, 25731), (6, 25833), (8, 25878), (9, 25926),

Gene: Greely_80 Start: 30564, Stop: 30926, Start Num: 2

Candidate Starts for Greely_80:

(Start: 2 @30564 has 3 MA's), (8, 30831),

Gene: Ibrahim_29 Start: 25680, Stop: 25976, Start Num: 3

Candidate Starts for Ibrahim_29:

(Start: 3 @25680 has 6 MA's), (4, 25731), (6, 25833), (8, 25878), (9, 25926),

Gene: Myrna_76 Start: 30338, Stop: 30700, Start Num: 2

Candidate Starts for Myrna_76:

(1, 30233), (Start: 2 @30338 has 3 MA's), (7, 30584), (8, 30605),

Gene: Nairb_29 Start: 25680, Stop: 25976, Start Num: 3

Candidate Starts for Nairb_29:

(Start: 3 @25680 has 6 MA's), (4, 25731), (6, 25833), (8, 25878), (9, 25926),

Gene: Phabba_82 Start: 30413, Stop: 30775, Start Num: 2

Candidate Starts for Phabba_82:

(Start: 2 @30413 has 3 MA's), (8, 30680),

Gene: RonRayGun_29 Start: 25680, Stop: 25976, Start Num: 3

Candidate Starts for RonRayGun_29:

(Start: 3 @25680 has 6 MA's), (4, 25731), (6, 25833), (8, 25878), (9, 25926),

Gene: ScoobyDoobyDoo_72 Start: 26448, Stop: 26807, Start Num: 2

Candidate Starts for ScoobyDoobyDoo_72:

(Start: 2 @26448 has 3 MA's), (5, 26601), (7, 26691), (8, 26712),

Gene: Whitty_29 Start: 25680, Stop: 25976, Start Num: 3

Candidate Starts for Whitty_29:

(Start: 3 @25680 has 6 MA's), (4, 25731), (6, 25833), (8, 25878), (9, 25926),

Gene: ZenTime222_29 Start: 25680, Stop: 25976, Start Num: 3
Candidate Starts for ZenTime222_29:
(Start: 3 @25680 has 6 MA's), (4, 25731), (6, 25833), (8, 25878), (9, 25926),