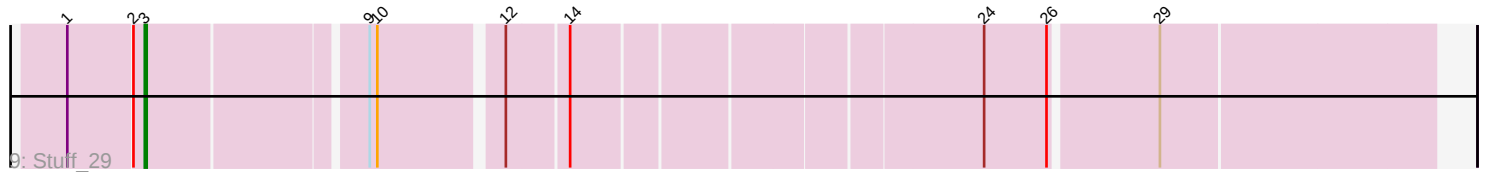
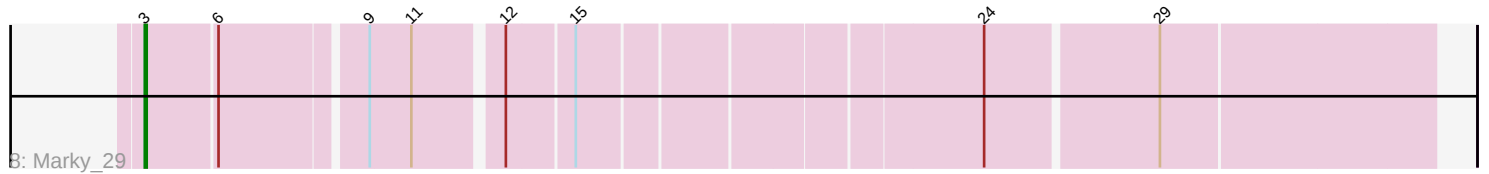
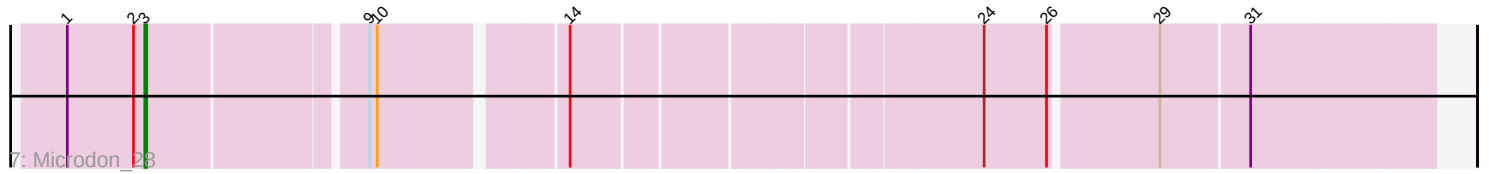
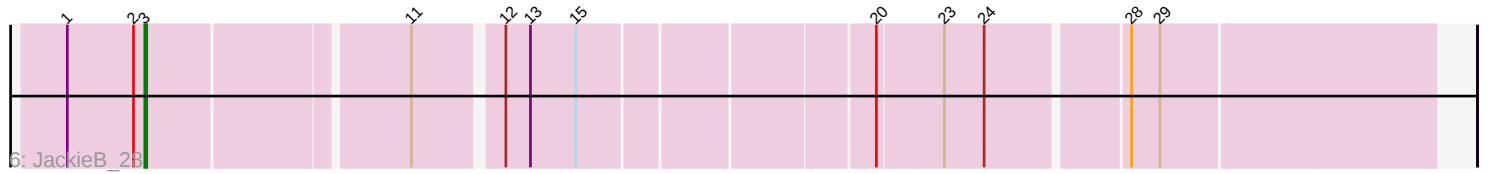
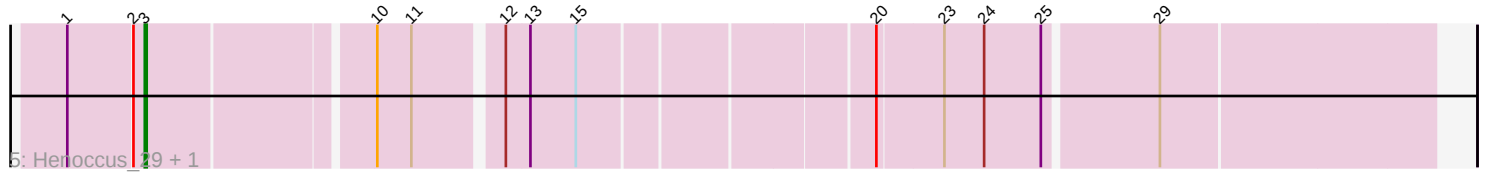
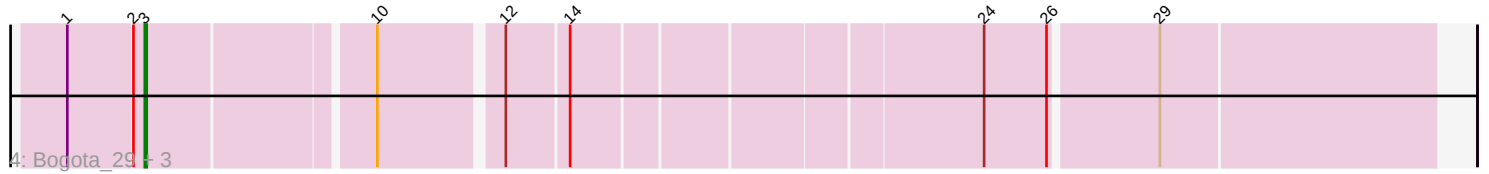
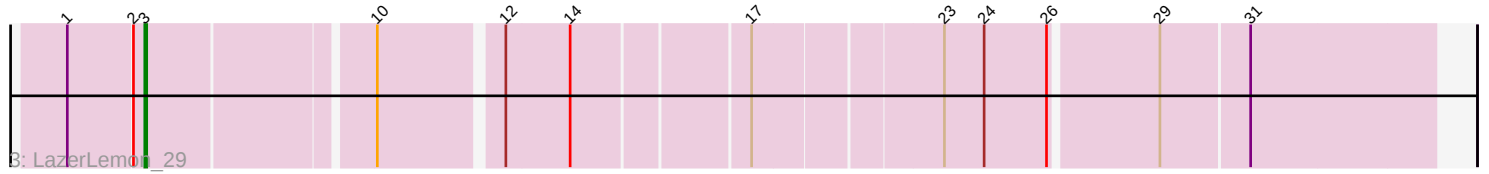
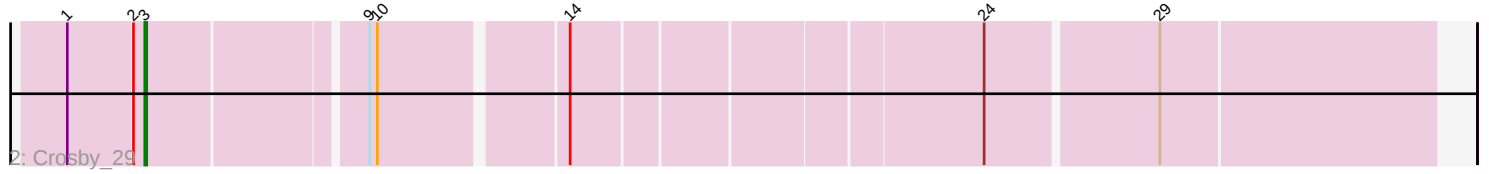
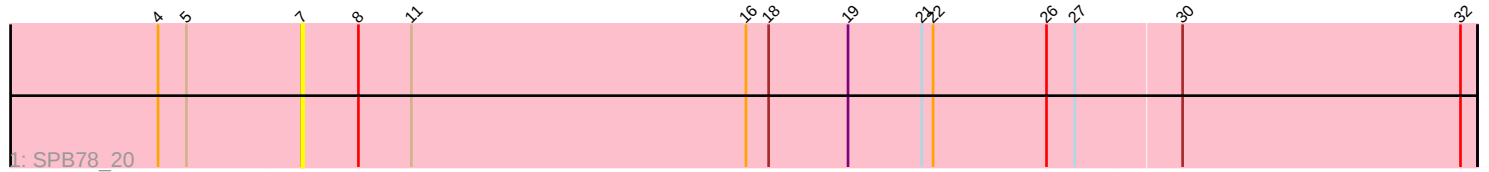


Pham 309603



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 309603 Report

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

Pham number 309603 has 13 members, 1 are drafts.

Phages represented in each track:

- Track 1 : SPB78_20
- Track 2 : Crosby_29
- Track 3 : LazerLemon_29
- Track 4 : Bogota_29, Shynx_29, UNTPL_29, Intolerant_28
- Track 5 : Henoccus_29, Araceli_29
- Track 6 : JackieB_28
- Track 7 : Microdon_28
- Track 8 : Marky_29
- Track 9 : Stuff_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 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Araceli_29, Bogota_29, Crosby_29, Henoccus_29, Intolerant_28, JackieB_28, LazerLemon_29, Marky_29, Microdon_28, Shynx_29, Stuff_29, UNTPL_29,

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

-

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

- SPB78_20,

Summary by start number:

Start 3:

- Found in 12 of 13 (92.3%) of genes in pham
- Manual Annotations of this start: 12 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Araceli_29 (BH), Bogota_29 (BH), Crosby_29 (BH), Henoccus_29 (BH), Intolerant_28 (BH), JackieB_28 (BH), LazerLemon_29 (BH), Marky_29 (BH), Microdon_28 (BH), Shynx_29 (BH), Stuff_29

(BH), UNTPL_29 (BH),

Start 7:

- Found in 1 of 13 (7.7%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: SPB78_20 (BA),

Summary by clusters:

There are 2 clusters represented in this pham: BH, BA,

Info for manual annotations of cluster BH:

- Start number 3 was manually annotated 12 times for cluster BH.

Gene Information:

Gene: Araceli_29 Start: 24277, Stop: 24909, Start Num: 3

Candidate Starts for Araceli_29:

(1, 24238), (2, 24271), (Start: 3 @24277 has 12 MA's), (10, 24388), (11, 24406), (12, 24448), (13, 24460), (15, 24484), (20, 24628), (23, 24661), (24, 24682), (25, 24712), (29, 24769),

Gene: Bogota_29 Start: 24397, Stop: 25026, Start Num: 3

Candidate Starts for Bogota_29:

(1, 24358), (2, 24391), (Start: 3 @24397 has 12 MA's), (10, 24508), (12, 24568), (14, 24598), (24, 24799), (26, 24832), (29, 24886),

Gene: Crosby_29 Start: 24386, Stop: 25015, Start Num: 3

Candidate Starts for Crosby_29:

(1, 24347), (2, 24380), (Start: 3 @24386 has 12 MA's), (9, 24494), (10, 24497), (14, 24587), (24, 24788), (29, 24875),

Gene: Henoccus_29 Start: 24287, Stop: 24919, Start Num: 3

Candidate Starts for Henoccus_29:

(1, 24248), (2, 24281), (Start: 3 @24287 has 12 MA's), (10, 24398), (11, 24416), (12, 24458), (13, 24470), (15, 24494), (20, 24638), (23, 24671), (24, 24692), (25, 24722), (29, 24779),

Gene: Intolerant_28 Start: 24263, Stop: 24892, Start Num: 3

Candidate Starts for Intolerant_28:

(1, 24224), (2, 24257), (Start: 3 @24263 has 12 MA's), (10, 24374), (12, 24434), (14, 24464), (24, 24665), (26, 24698), (29, 24752),

Gene: JackieB_28 Start: 24142, Stop: 24771, Start Num: 3

Candidate Starts for JackieB_28:

(1, 24103), (2, 24136), (Start: 3 @24142 has 12 MA's), (11, 24271), (12, 24313), (13, 24325), (15, 24349), (20, 24493), (23, 24526), (24, 24547), (28, 24616), (29, 24631),

Gene: LazerLemon_29 Start: 24770, Stop: 25402, Start Num: 3

Candidate Starts for LazerLemon_29:

(1, 24731), (2, 24764), (Start: 3 @24770 has 12 MA's), (10, 24881), (12, 24941), (14, 24974), (17, 25061), (23, 25154), (24, 25175), (26, 25208), (29, 25262), (31, 25307),

Gene: Marky_29 Start: 24135, Stop: 24764, Start Num: 3

Candidate Starts for Marky_29:

(Start: 3 @24135 has 12 MA's), (6, 24171), (9, 24243), (11, 24264), (12, 24306), (15, 24339), (24, 24537), (29, 24624),

Gene: Microdon_28 Start: 24089, Stop: 24718, Start Num: 3

Candidate Starts for Microdon_28:

(1, 24050), (2, 24083), (Start: 3 @24089 has 12 MA's), (9, 24197), (10, 24200), (14, 24290), (24, 24491), (26, 24524), (29, 24578), (31, 24623),

Gene: SPB78_20 Start: 16626, Stop: 17243, Start Num: 7

Candidate Starts for SPB78_20:

(4, 16551), (5, 16566), (7, 16626), (8, 16656), (11, 16683), (16, 16860), (18, 16872), (19, 16914), (21, 16953), (22, 16959), (26, 17019), (27, 17034), (30, 17088), (32, 17235),

Gene: Shynx_29 Start: 24539, Stop: 25168, Start Num: 3

Candidate Starts for Shynx_29:

(1, 24500), (2, 24533), (Start: 3 @24539 has 12 MA's), (10, 24650), (12, 24710), (14, 24740), (24, 24941), (26, 24974), (29, 25028),

Gene: Stuff_29 Start: 24558, Stop: 25187, Start Num: 3

Candidate Starts for Stuff_29:

(1, 24519), (2, 24552), (Start: 3 @24558 has 12 MA's), (9, 24666), (10, 24669), (12, 24729), (14, 24759), (24, 24960), (26, 24993), (29, 25047),

Gene: UNTPL_29 Start: 24378, Stop: 25007, Start Num: 3

Candidate Starts for UNTPL_29:

(1, 24339), (2, 24372), (Start: 3 @24378 has 12 MA's), (10, 24489), (12, 24549), (14, 24579), (24, 24780), (26, 24813), (29, 24867),