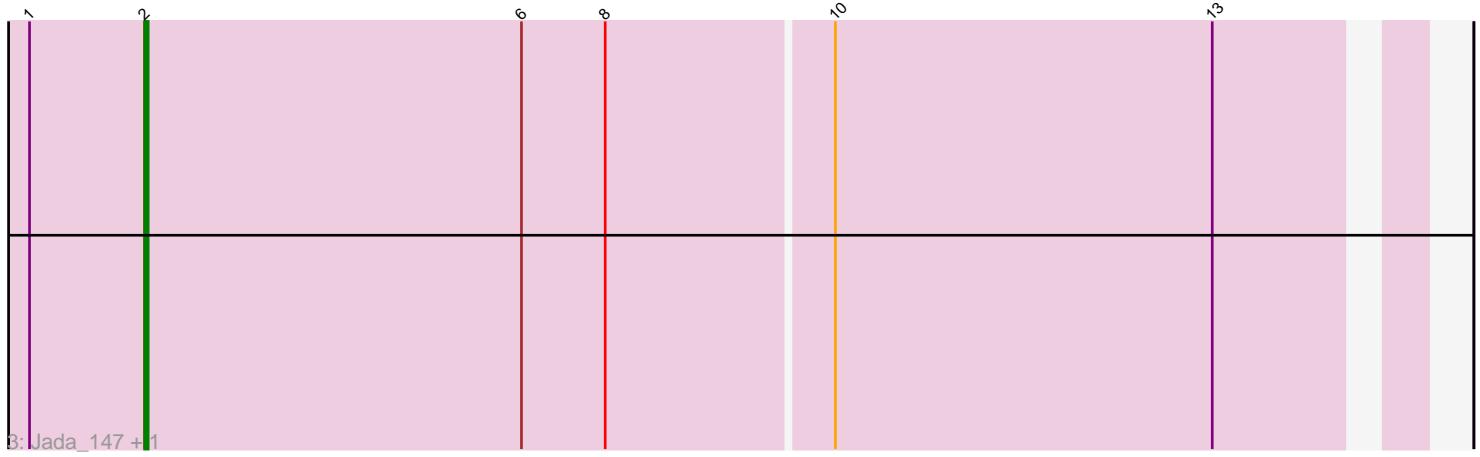
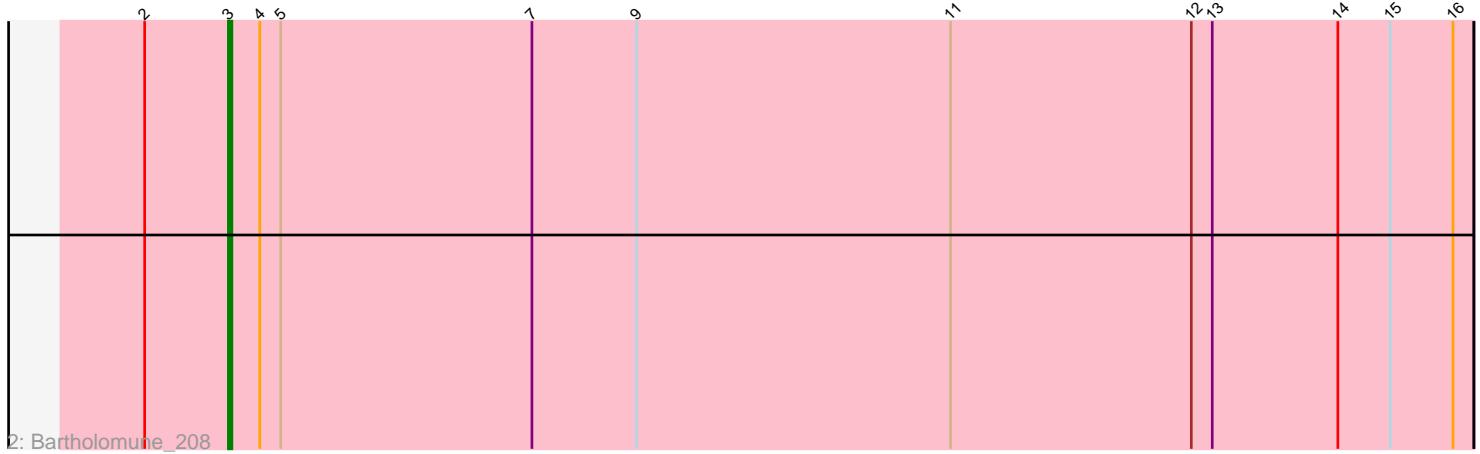
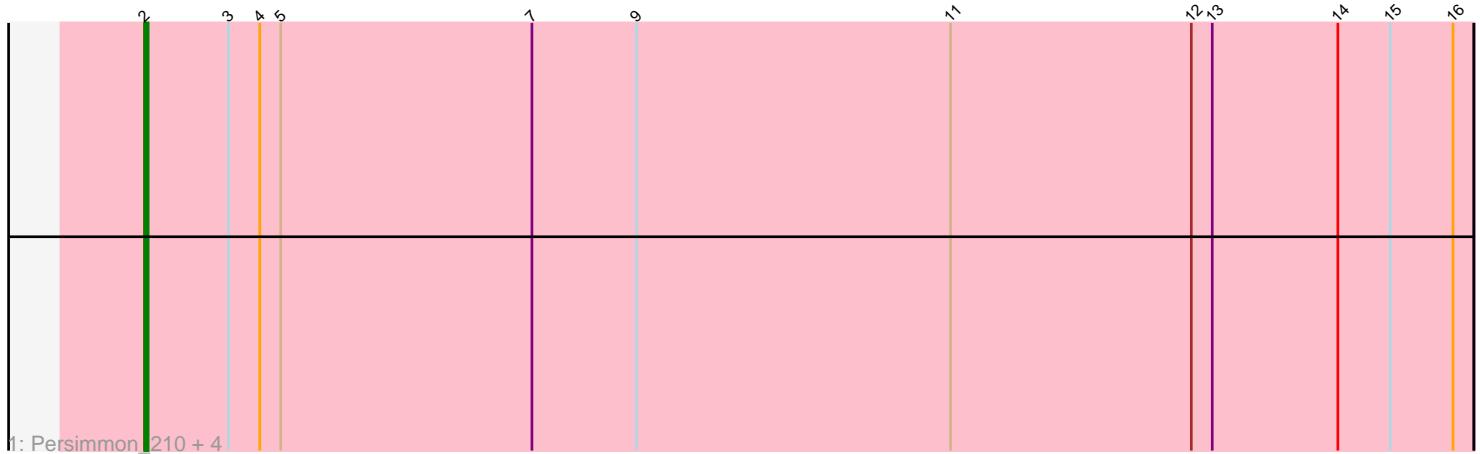


Pham 251204



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 251204 Report

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

Pham number 251204 has 8 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Persimmon\_210, Navo\_202, WhereRU\_207, Braelyn\_205, Davielle\_208
- Track 2 : Bartholomune\_208
- Track 3 : Jada\_147, DeluluLabubu\_152

### ***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 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Braelyn\_205, Davielle\_208, DeluluLabubu\_152, Jada\_147, Navo\_202, Persimmon\_210, WhereRU\_207,

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

- Bartholomune\_208,

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

- 

### **Summary by start number:**

Start 2:

- Found in 8 of 8 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 6 of 7
- Called 87.5% of time when present
- Phage (with cluster) where this start called: Braelyn\_205 (BE1), Davielle\_208 (BE1), DeluluLabubu\_152 (BK1), Jada\_147 (BK1), Navo\_202 (BE1), Persimmon\_210 (BE1), WhereRU\_207 (BE1),

Start 3:

- Found in 6 of 8 ( 75.0% ) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Bartholomune\_208 (BE1),

## **Summary by clusters:**

There are 2 clusters represented in this pham: BE1, BK1,

Info for manual annotations of cluster BE1:

- Start number 2 was manually annotated 5 times for cluster BE1.
- Start number 3 was manually annotated 1 time for cluster BE1.

Info for manual annotations of cluster BK1:

- Start number 2 was manually annotated 1 time for cluster BK1.

### ***Gene Information:***

Gene: Bartholomune\_208 Start: 105264, Stop: 105620, Start Num: 3

Candidate Starts for Bartholomune\_208:

(Start: 2 @ 105240 has 6 MA's), (Start: 3 @ 105264 has 1 MA's), (4, 105273), (5, 105279), (7, 105351), (9, 105381), (11, 105471), (12, 105540), (13, 105546), (14, 105582), (15, 105597), (16, 105615),

Gene: Braelyn\_205 Start: 104887, Stop: 105267, Start Num: 2

Candidate Starts for Braelyn\_205:

(Start: 2 @ 104887 has 6 MA's), (Start: 3 @ 104911 has 1 MA's), (4, 104920), (5, 104926), (7, 104998), (9, 105028), (11, 105118), (12, 105187), (13, 105193), (14, 105229), (15, 105244), (16, 105262),

Gene: Davielle\_208 Start: 105285, Stop: 105665, Start Num: 2

Candidate Starts for Davielle\_208:

(Start: 2 @ 105285 has 6 MA's), (Start: 3 @ 105309 has 1 MA's), (4, 105318), (5, 105324), (7, 105396), (9, 105426), (11, 105516), (12, 105585), (13, 105591), (14, 105627), (15, 105642), (16, 105660),

Gene: DeluluLabubu\_152 Start: 83196, Stop: 83549, Start Num: 2

Candidate Starts for DeluluLabubu\_152:

(1, 83163), (Start: 2 @ 83196 has 6 MA's), (6, 83304), (8, 83328), (10, 83391), (13, 83499),

Gene: Jada\_147 Start: 81782, Stop: 82135, Start Num: 2

Candidate Starts for Jada\_147:

(1, 81749), (Start: 2 @ 81782 has 6 MA's), (6, 81890), (8, 81914), (10, 81977), (13, 82085),

Gene: Navo\_202 Start: 104091, Stop: 104471, Start Num: 2

Candidate Starts for Navo\_202:

(Start: 2 @ 104091 has 6 MA's), (Start: 3 @ 104115 has 1 MA's), (4, 104124), (5, 104130), (7, 104202), (9, 104232), (11, 104322), (12, 104391), (13, 104397), (14, 104433), (15, 104448), (16, 104466),

Gene: Persimmon\_210 Start: 105109, Stop: 105489, Start Num: 2

Candidate Starts for Persimmon\_210:

(Start: 2 @ 105109 has 6 MA's), (Start: 3 @ 105133 has 1 MA's), (4, 105142), (5, 105148), (7, 105220), (9, 105250), (11, 105340), (12, 105409), (13, 105415), (14, 105451), (15, 105466), (16, 105484),

Gene: WhereRU\_207 Start: 105288, Stop: 105668, Start Num: 2

Candidate Starts for WhereRU\_207:

(Start: 2 @ 105288 has 6 MA's), (Start: 3 @ 105312 has 1 MA's), (4, 105321), (5, 105327), (7, 105399), (9, 105429), (11, 105519), (12, 105588), (13, 105594), (14, 105630), (15, 105645), (16, 105663),

