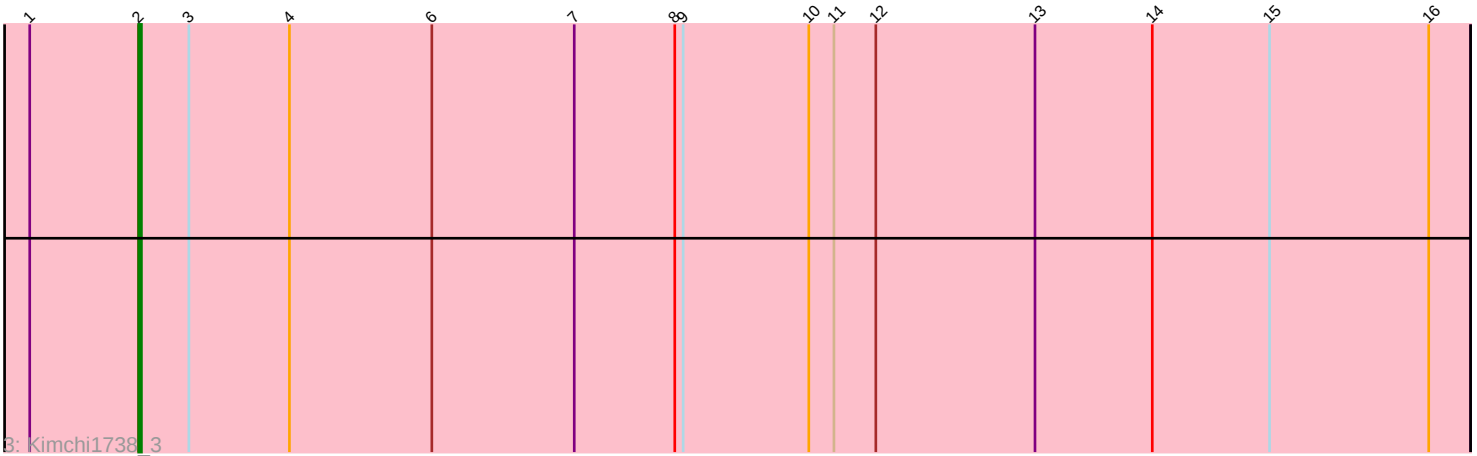
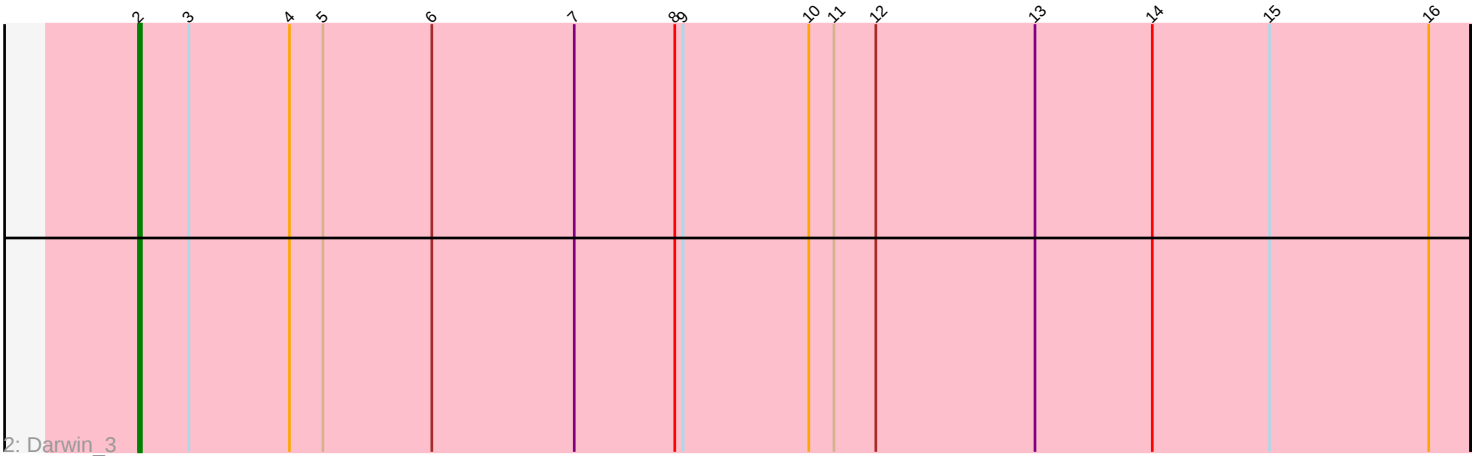
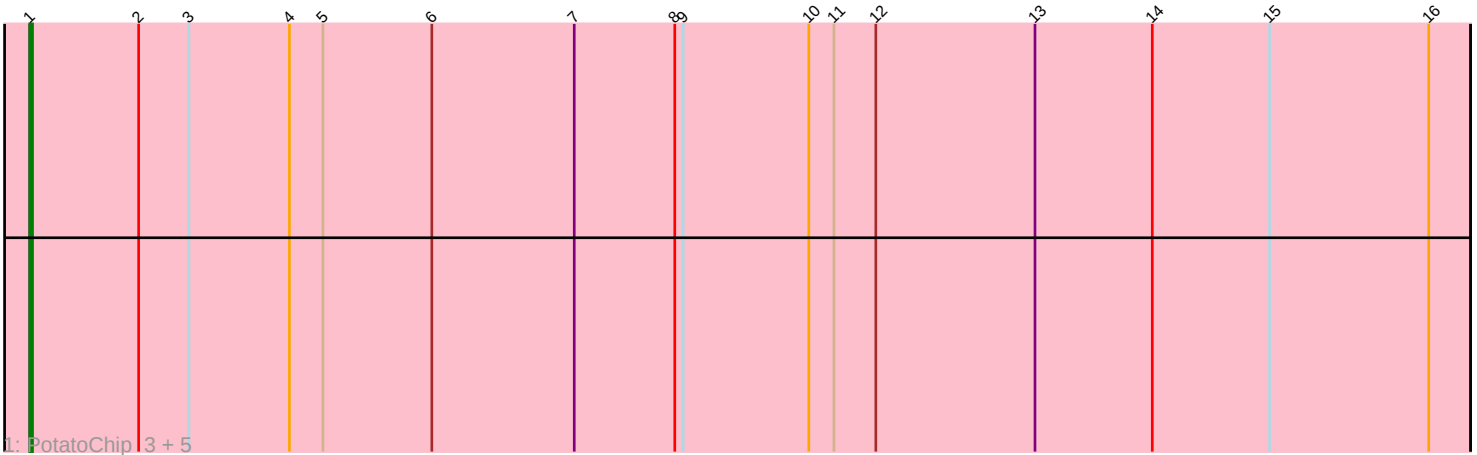




Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 323998 Report

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

Pham number 323998 has 8 members, 0 are drafts.

Phages represented in each track:

- Track 1 : PotatoChip_3, PeteyPab_3, Cruella_3, C3PO_3, Zion_3, Stickynote_3
- Track 2 : Darwin_3
- Track 3 : Kimchi1738_3

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

The start number called the most often in the published annotations is 1, it was called in 6 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- C3PO_3, Cruella_3, PeteyPab_3, PotatoChip_3, Stickynote_3, Zion_3,

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

- Kimchi1738_3,

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

- Darwin_3,

Summary by start number:

Start 1:

- Found in 7 of 8 (87.5%) of genes in pham
- Manual Annotations of this start: 6 of 8
- Called 85.7% of time when present
- Phage (with cluster) where this start called: C3PO_3 (EN), Cruella_3 (EN), PeteyPab_3 (EN), PotatoChip_3 (EN), Stickynote_3 (EN), Zion_3 (EN),

Start 2:

- Found in 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 2 of 8
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Darwin_3 (EN), Kimchi1738_3 (EN),

Summary by clusters:

There is one cluster represented in this pham: EN

Info for manual annotations of cluster EN:

- Start number 1 was manually annotated 6 times for cluster EN.
- Start number 2 was manually annotated 2 times for cluster EN.

Gene Information:

Gene: C3PO_3 Start: 1017, Stop: 1532, Start Num: 1

Candidate Starts for C3PO_3:

(Start: 1 @1017 has 6 MA's), (Start: 2 @1056 has 2 MA's), (3, 1074), (4, 1110), (5, 1122), (6, 1161), (7, 1212), (8, 1248), (9, 1251), (10, 1296), (11, 1305), (12, 1320), (13, 1377), (14, 1419), (15, 1461), (16, 1518),

Gene: Cruella_3 Start: 1017, Stop: 1532, Start Num: 1

Candidate Starts for Cruella_3:

(Start: 1 @1017 has 6 MA's), (Start: 2 @1056 has 2 MA's), (3, 1074), (4, 1110), (5, 1122), (6, 1161), (7, 1212), (8, 1248), (9, 1251), (10, 1296), (11, 1305), (12, 1320), (13, 1377), (14, 1419), (15, 1461), (16, 1518),

Gene: Darwin_3 Start: 1055, Stop: 1531, Start Num: 2

Candidate Starts for Darwin_3:

(Start: 2 @1055 has 2 MA's), (3, 1073), (4, 1109), (5, 1121), (6, 1160), (7, 1211), (8, 1247), (9, 1250), (10, 1295), (11, 1304), (12, 1319), (13, 1376), (14, 1418), (15, 1460), (16, 1517),

Gene: Kimchi1738_3 Start: 1055, Stop: 1531, Start Num: 2

Candidate Starts for Kimchi1738_3:

(Start: 1 @1016 has 6 MA's), (Start: 2 @1055 has 2 MA's), (3, 1073), (4, 1109), (6, 1160), (7, 1211), (8, 1247), (9, 1250), (10, 1295), (11, 1304), (12, 1319), (13, 1376), (14, 1418), (15, 1460), (16, 1517),

Gene: PeteyPab_3 Start: 1016, Stop: 1531, Start Num: 1

Candidate Starts for PeteyPab_3:

(Start: 1 @1016 has 6 MA's), (Start: 2 @1055 has 2 MA's), (3, 1073), (4, 1109), (5, 1121), (6, 1160), (7, 1211), (8, 1247), (9, 1250), (10, 1295), (11, 1304), (12, 1319), (13, 1376), (14, 1418), (15, 1460), (16, 1517),

Gene: PotatoChip_3 Start: 1016, Stop: 1531, Start Num: 1

Candidate Starts for PotatoChip_3:

(Start: 1 @1016 has 6 MA's), (Start: 2 @1055 has 2 MA's), (3, 1073), (4, 1109), (5, 1121), (6, 1160), (7, 1211), (8, 1247), (9, 1250), (10, 1295), (11, 1304), (12, 1319), (13, 1376), (14, 1418), (15, 1460), (16, 1517),

Gene: Stickynote_3 Start: 1016, Stop: 1531, Start Num: 1

Candidate Starts for Stickynote_3:

(Start: 1 @1016 has 6 MA's), (Start: 2 @1055 has 2 MA's), (3, 1073), (4, 1109), (5, 1121), (6, 1160), (7, 1211), (8, 1247), (9, 1250), (10, 1295), (11, 1304), (12, 1319), (13, 1376), (14, 1418), (15, 1460), (16, 1517),

Gene: Zion_3 Start: 1016, Stop: 1531, Start Num: 1

Candidate Starts for Zion_3:

(Start: 1 @1016 has 6 MA's), (Start: 2 @1055 has 2 MA's), (3, 1073), (4, 1109), (5, 1121), (6, 1160), (7, 1211), (8, 1247), (9, 1250), (10, 1295), (11, 1304), (12, 1319), (13, 1376), (14, 1418), (15, 1460), (16, 1517),