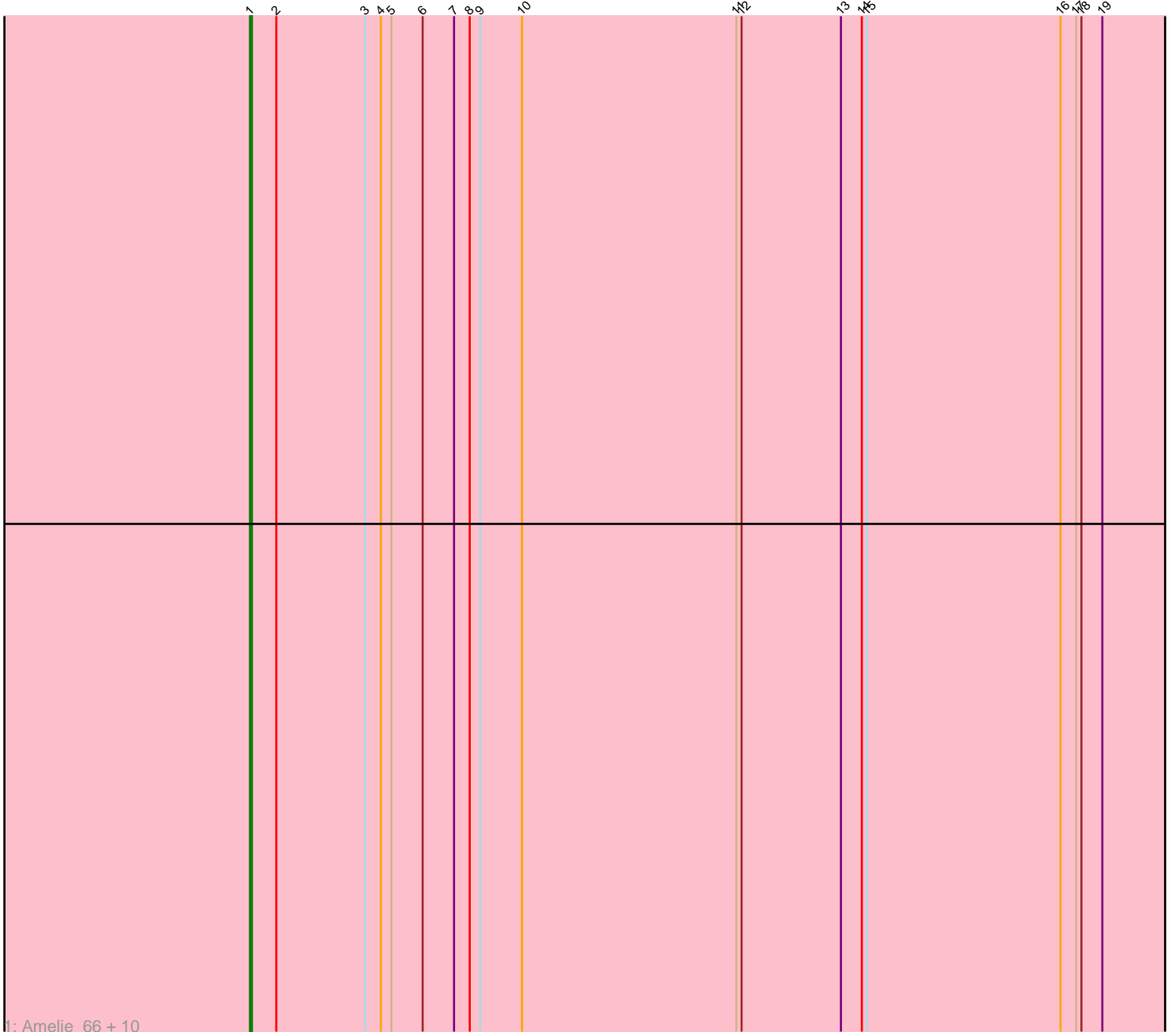


Zoomed Pham 295280



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 295280 Report

This analysis was run 04/18/26 on database version 643.

Pham number 295280 has 11 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Amelie_66, SgtBeansprout_67, LilPharaoh_67, Binglebops_66, Trice_66, Torres_69, Teejan_68, Nikao_69, Mdavu_67, Enkosi_68, Nutello_66

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 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Amelie_66, Binglebops_66, Enkosi_68, LilPharaoh_67, Mdavu_67, Nikao_69, Nutello_66, SgtBeansprout_67, Teejan_68, Torres_69, Trice_66,

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

-

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

-

Summary by start number:

Start 1:

- Found in 11 of 11 (100.0%) of genes in pham
- Manual Annotations of this start: 9 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amelie_66 (K1), Binglebops_66 (K1), Enkosi_68 (K1), LilPharaoh_67 (K1), Mdavu_67 (K1), Nikao_69 (K1), Nutello_66 (K1), SgtBeansprout_67 (K1), Teejan_68 (K1), Torres_69 (K1), Trice_66 (K1),

Summary by clusters:

There is one cluster represented in this pham: K1

Info for manual annotations of cluster K1:

- Start number 1 was manually annotated 9 times for cluster K1.

Gene Information:

Gene: Amelie_66 Start: 49181, Stop: 49909, Start Num: 1

Candidate Starts for Amelie_66:

(Start: 1 @49181 has 9 MA's), (2, 49196), (3, 49247), (4, 49256), (5, 49262), (6, 49280), (7, 49298), (8, 49307), (9, 49313), (10, 49337), (11, 49460), (12, 49463), (13, 49520), (14, 49532), (15, 49535), (16, 49646), (17, 49655), (18, 49658), (19, 49670), (20, 49715), (21, 49721), (22, 49784), (23, 49850), (24, 49889), (25, 49892), (26, 49904),

Gene: Binglebops_66 Start: 49196, Stop: 49924, Start Num: 1

Candidate Starts for Binglebops_66:

(Start: 1 @49196 has 9 MA's), (2, 49211), (3, 49262), (4, 49271), (5, 49277), (6, 49295), (7, 49313), (8, 49322), (9, 49328), (10, 49352), (11, 49475), (12, 49478), (13, 49535), (14, 49547), (15, 49550), (16, 49661), (17, 49670), (18, 49673), (19, 49685), (20, 49730), (21, 49736), (22, 49799), (23, 49865), (24, 49904), (25, 49907), (26, 49919),

Gene: Enkosi_68 Start: 51794, Stop: 52522, Start Num: 1

Candidate Starts for Enkosi_68:

(Start: 1 @51794 has 9 MA's), (2, 51809), (3, 51860), (4, 51869), (5, 51875), (6, 51893), (7, 51911), (8, 51920), (9, 51926), (10, 51950), (11, 52073), (12, 52076), (13, 52133), (14, 52145), (15, 52148), (16, 52259), (17, 52268), (18, 52271), (19, 52283), (20, 52328), (21, 52334), (22, 52397), (23, 52463), (24, 52502), (25, 52505), (26, 52517),

Gene: LilPharaoh_67 Start: 48909, Stop: 49637, Start Num: 1

Candidate Starts for LilPharaoh_67:

(Start: 1 @48909 has 9 MA's), (2, 48924), (3, 48975), (4, 48984), (5, 48990), (6, 49008), (7, 49026), (8, 49035), (9, 49041), (10, 49065), (11, 49188), (12, 49191), (13, 49248), (14, 49260), (15, 49263), (16, 49374), (17, 49383), (18, 49386), (19, 49398), (20, 49443), (21, 49449), (22, 49512), (23, 49578), (24, 49617), (25, 49620), (26, 49632),

Gene: Mdavu_67 Start: 49185, Stop: 49913, Start Num: 1

Candidate Starts for Mdavu_67:

(Start: 1 @49185 has 9 MA's), (2, 49200), (3, 49251), (4, 49260), (5, 49266), (6, 49284), (7, 49302), (8, 49311), (9, 49317), (10, 49341), (11, 49464), (12, 49467), (13, 49524), (14, 49536), (15, 49539), (16, 49650), (17, 49659), (18, 49662), (19, 49674), (20, 49719), (21, 49725), (22, 49788), (23, 49854), (24, 49893), (25, 49896), (26, 49908),

Gene: Nikao_69 Start: 51794, Stop: 52522, Start Num: 1

Candidate Starts for Nikao_69:

(Start: 1 @51794 has 9 MA's), (2, 51809), (3, 51860), (4, 51869), (5, 51875), (6, 51893), (7, 51911), (8, 51920), (9, 51926), (10, 51950), (11, 52073), (12, 52076), (13, 52133), (14, 52145), (15, 52148), (16, 52259), (17, 52268), (18, 52271), (19, 52283), (20, 52328), (21, 52334), (22, 52397), (23, 52463), (24, 52502), (25, 52505), (26, 52517),

Gene: Nutello_66 Start: 49181, Stop: 49909, Start Num: 1

Candidate Starts for Nutello_66:

(Start: 1 @49181 has 9 MA's), (2, 49196), (3, 49247), (4, 49256), (5, 49262), (6, 49280), (7, 49298), (8, 49307), (9, 49313), (10, 49337), (11, 49460), (12, 49463), (13, 49520), (14, 49532), (15, 49535), (16, 49646), (17, 49655), (18, 49658), (19, 49670), (20, 49715), (21, 49721), (22, 49784), (23, 49850), (24, 49889), (25, 49892), (26, 49904),

Gene: SgtBeansprout_67 Start: 49181, Stop: 49909, Start Num: 1

Candidate Starts for SgtBeansprout_67:

(Start: 1 @49181 has 9 MA's), (2, 49196), (3, 49247), (4, 49256), (5, 49262), (6, 49280), (7, 49298), (8, 49307), (9, 49313), (10, 49337), (11, 49460), (12, 49463), (13, 49520), (14, 49532), (15, 49535), (16, 49646), (17, 49655), (18, 49658), (19, 49670), (20, 49715), (21, 49721), (22, 49784), (23, 49850), (24, 49889), (25, 49892), (26, 49904),

Gene: Teejan_68 Start: 51794, Stop: 52522, Start Num: 1

Candidate Starts for Teejan_68:

(Start: 1 @51794 has 9 MA's), (2, 51809), (3, 51860), (4, 51869), (5, 51875), (6, 51893), (7, 51911), (8, 51920), (9, 51926), (10, 51950), (11, 52073), (12, 52076), (13, 52133), (14, 52145), (15, 52148), (16, 52259), (17, 52268), (18, 52271), (19, 52283), (20, 52328), (21, 52334), (22, 52397), (23, 52463), (24, 52502), (25, 52505), (26, 52517),

Gene: Torres_69 Start: 51795, Stop: 52523, Start Num: 1

Candidate Starts for Torres_69:

(Start: 1 @51795 has 9 MA's), (2, 51810), (3, 51861), (4, 51870), (5, 51876), (6, 51894), (7, 51912), (8, 51921), (9, 51927), (10, 51951), (11, 52074), (12, 52077), (13, 52134), (14, 52146), (15, 52149), (16, 52260), (17, 52269), (18, 52272), (19, 52284), (20, 52329), (21, 52335), (22, 52398), (23, 52464), (24, 52503), (25, 52506), (26, 52518),

Gene: Trice_66 Start: 49182, Stop: 49910, Start Num: 1

Candidate Starts for Trice_66:

(Start: 1 @49182 has 9 MA's), (2, 49197), (3, 49248), (4, 49257), (5, 49263), (6, 49281), (7, 49299), (8, 49308), (9, 49314), (10, 49338), (11, 49461), (12, 49464), (13, 49521), (14, 49533), (15, 49536), (16, 49647), (17, 49656), (18, 49659), (19, 49671), (20, 49716), (21, 49722), (22, 49785), (23, 49851), (24, 49890), (25, 49893), (26, 49905),