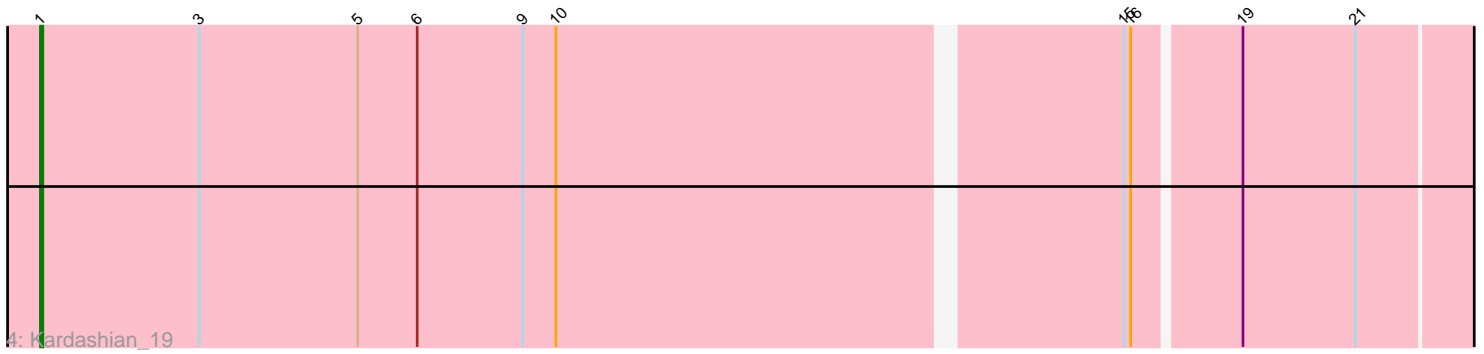
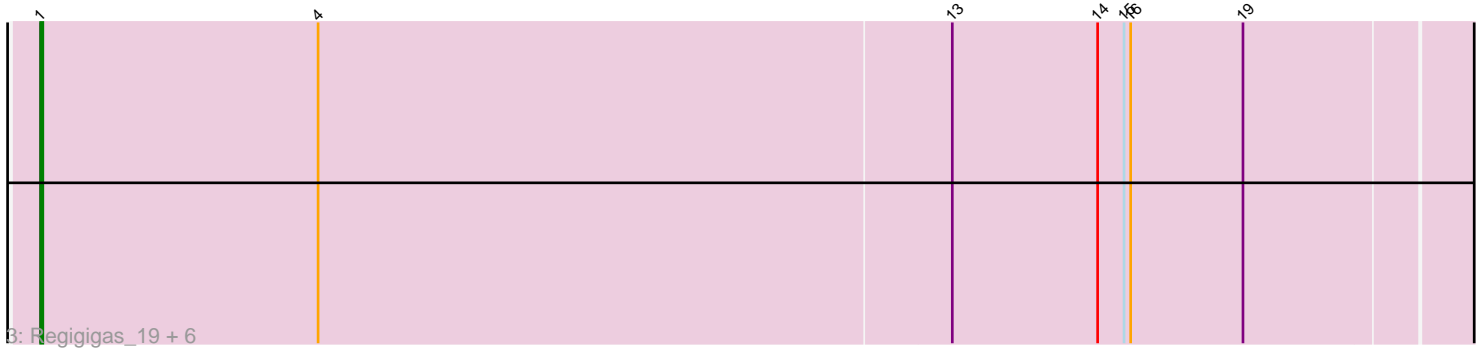
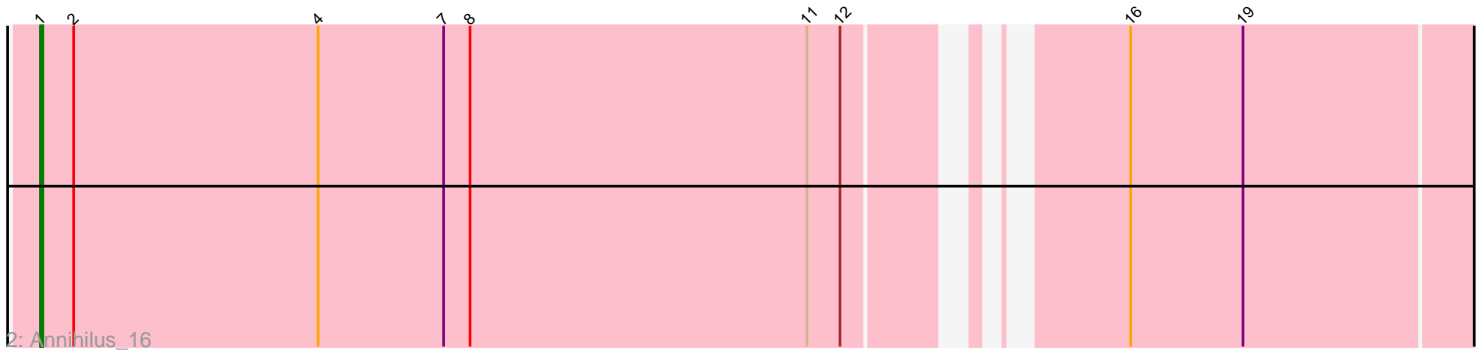
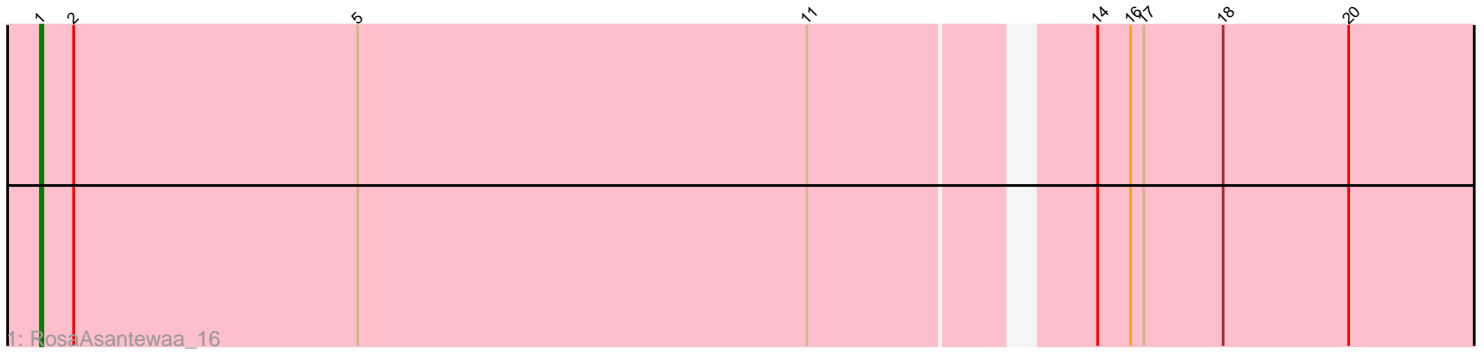


# Zoomed Pham 203561



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 203561 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203561 has 10 members, 2 are drafts.

Phages represented in each track:

- Track 1 : RosaAsantewaa\_16
- Track 2 : Annihilus\_16
- Track 3 : Regigigas\_19, Rainydai\_18, Thiqqums\_18, CricKo\_18, Miek\_18, FromIndy\_19, SendItCS\_17
- Track 4 : Kardashian\_19

### ***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 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Annihilus\_16, CricKo\_18, FromIndy\_19, Kardashian\_19, Miek\_18, Rainydai\_18, Regigigas\_19, RosaAsantewaa\_16, SendItCS\_17, Thiqqums\_18,

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 10 of 10 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 8 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Annihilus\_16 (BI2), CricKo\_18 (BI4), FromIndy\_19 (BI4), Kardashian\_19 (BI6), Miek\_18 (BI4), Rainydai\_18 (BI4), Regigigas\_19 (BI4), RosaAsantewaa\_16 (BI2), SendItCS\_17 (BI4), Thiqqums\_18 (BI4),

### **Summary by clusters:**

There are 3 clusters represented in this pham: BI6, BI4, BI2,

Info for manual annotations of cluster BI2:

•Start number 1 was manually annotated 2 times for cluster BI2.

Info for manual annotations of cluster BI4:

•Start number 1 was manually annotated 5 times for cluster BI4.

Info for manual annotations of cluster BI6:

•Start number 1 was manually annotated 1 time for cluster BI6.

### **Gene Information:**

Gene: Annihilus\_16 Start: 11469, Stop: 12845, Start Num: 1

Candidate Starts for Annihilus\_16:

(Start: 1 @11469 has 8 MA's), (2, 11484), (4, 11595), (7, 11652), (8, 11664), (11, 11817), (12, 11832), (16, 11922), (19, 11973), (22, 12114), (25, 12183), (27, 12252), (28, 12261), (31, 12381), (33, 12444), (41, 12627), (42, 12645), (44, 12705), (45, 12732),

Gene: CricKo\_18 Start: 13172, Stop: 14395, Start Num: 1

Candidate Starts for CricKo\_18:

(Start: 1 @13172 has 8 MA's), (4, 13298), (13, 13583), (14, 13649), (15, 13661), (16, 13664), (19, 13715), (30, 14066), (32, 14153), (34, 14183), (35, 14252), (38, 14273), (39, 14288),

Gene: FromIndy\_19 Start: 13157, Stop: 14380, Start Num: 1

Candidate Starts for FromIndy\_19:

(Start: 1 @13157 has 8 MA's), (4, 13283), (13, 13568), (14, 13634), (15, 13646), (16, 13649), (19, 13700), (30, 14051), (32, 14138), (34, 14168), (35, 14237), (38, 14258), (39, 14273),

Gene: Kardashian\_19 Start: 14201, Stop: 15406, Start Num: 1

Candidate Starts for Kardashian\_19:

(Start: 1 @14201 has 8 MA's), (3, 14273), (5, 14345), (6, 14372), (9, 14420), (10, 14435), (15, 14681), (16, 14684), (19, 14729), (21, 14780), (26, 14993), (27, 15008), (29, 15056), (39, 15302), (40, 15347),

Gene: Miek\_18 Start: 13172, Stop: 14395, Start Num: 1

Candidate Starts for Miek\_18:

(Start: 1 @13172 has 8 MA's), (4, 13298), (13, 13583), (14, 13649), (15, 13661), (16, 13664), (19, 13715), (30, 14066), (32, 14153), (34, 14183), (35, 14252), (38, 14273), (39, 14288),

Gene: Rainydai\_18 Start: 13172, Stop: 14395, Start Num: 1

Candidate Starts for Rainydai\_18:

(Start: 1 @13172 has 8 MA's), (4, 13298), (13, 13583), (14, 13649), (15, 13661), (16, 13664), (19, 13715), (30, 14066), (32, 14153), (34, 14183), (35, 14252), (38, 14273), (39, 14288),

Gene: Regigigas\_19 Start: 13172, Stop: 14395, Start Num: 1

Candidate Starts for Regigigas\_19:

(Start: 1 @13172 has 8 MA's), (4, 13298), (13, 13583), (14, 13649), (15, 13661), (16, 13664), (19, 13715), (30, 14066), (32, 14153), (34, 14183), (35, 14252), (38, 14273), (39, 14288),

Gene: RosaAsantewaa\_16 Start: 11396, Stop: 12616, Start Num: 1

Candidate Starts for RosaAsantewaa\_16:

(Start: 1 @11396 has 8 MA's), (2, 11411), (5, 11540), (11, 11744), (14, 11858), (16, 11873), (17, 11879), (18, 11915), (20, 11972), (23, 12068), (24, 12074), (26, 12188), (32, 12371), (36, 12476), (37, 12482), (43, 12611),

Gene: SendItCS\_17 Start: 13172, Stop: 14395, Start Num: 1

Candidate Starts for SendItCS\_17:

(Start: 1 @13172 has 8 MA's), (4, 13298), (13, 13583), (14, 13649), (15, 13661), (16, 13664), (19, 13715), (30, 14066), (32, 14153), (34, 14183), (35, 14252), (38, 14273), (39, 14288),

Gene: Thiqqums\_18 Start: 13172, Stop: 14395, Start Num: 1

Candidate Starts for Thiqqums\_18:

(Start: 1 @13172 has 8 MA's), (4, 13298), (13, 13583), (14, 13649), (15, 13661), (16, 13664), (19, 13715), (30, 14066), (32, 14153), (34, 14183), (35, 14252), (38, 14273), (39, 14288),