Zoomed Pham 164152

1: RosaAsantewaa_16

2: Regigigas_19 + 6
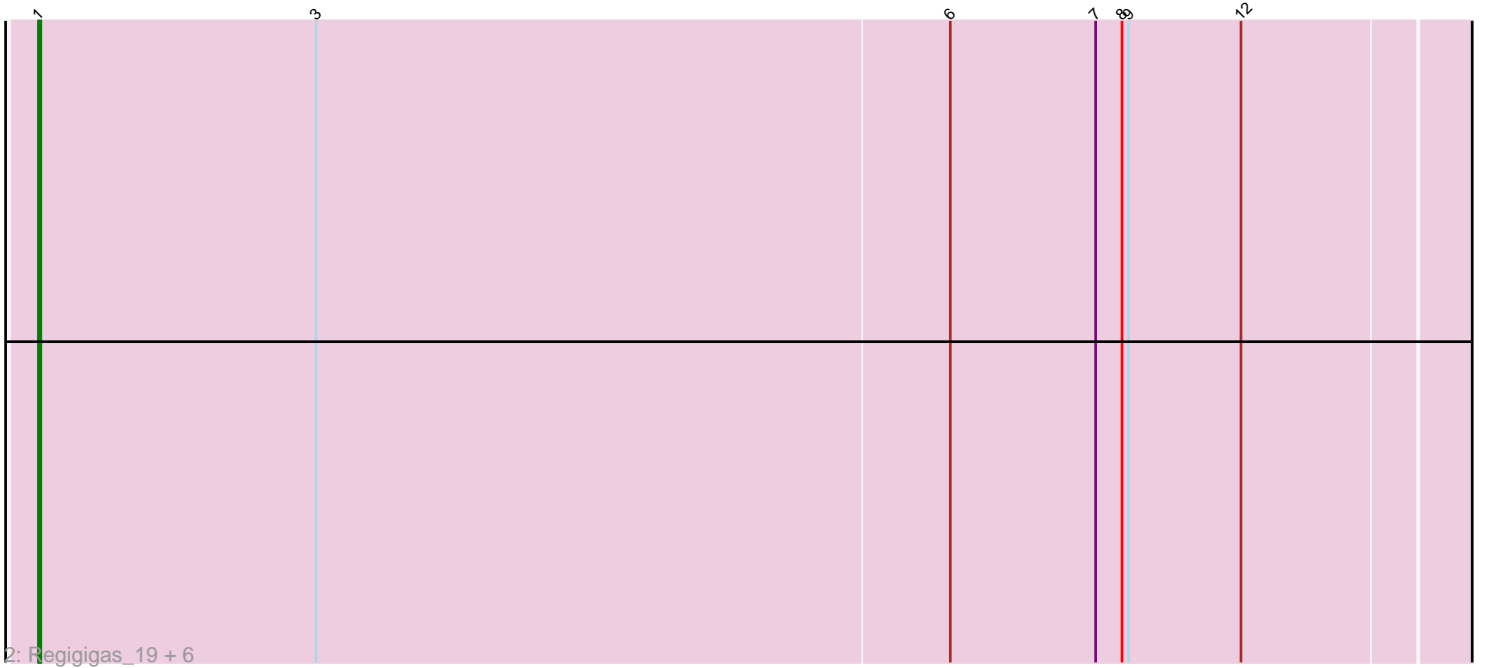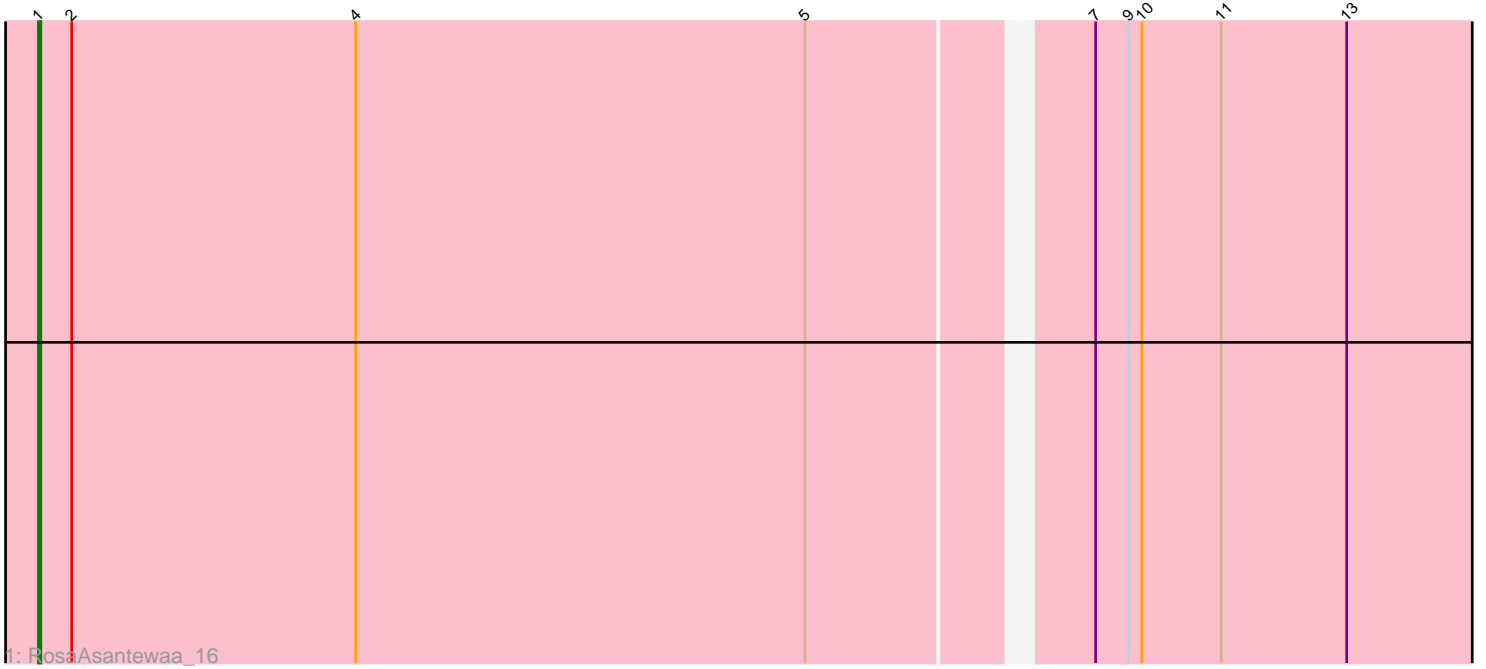
Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 164152 Report

This analysis was run 04/28/24 on database version 559.

Pham number 164152 has 8 members, 2 are drafts.

Phages represented in each track:
• Track 1 : RosaAsantewaa_16
• Track 2 : Regigigas_19, Rainydai_18, Thiqqums_18, CricKo_18, Miek_18, FromIndy_19, SendItCS_17

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 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• CricKo_18, FromIndy_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 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CricKo_18 (BI4), FromIndy_19 (BI4), Miek_18 (BI4), Rainydai_18 (BI4), Regigigas_19 (BI4), RosaAsantewaa_16 (BI2), SendItCS_17 (BI4), Thiqqums_18 (BI4),

Summary by clusters:

There are 2 clusters represented in this pham: BI4, BI2,

Info for manual annotations of cluster BI2:

•Start number 1 was manually annotated 1 time for cluster BI2.

Info for manual annotations of cluster BI4:
•Start number 1 was manually annotated 5 times for cluster BI4.

Gene Information:

Gene: CricKo_18 Start: 13172, Stop: 14395, Start Num: 1
Candidate Starts for CricKo_18:
(Start: 1 @13172 has 6 MA's), (3, 13298), (6, 13583), (7, 13649), (8, 13661), (9, 13664), (12, 13715), (17, 14066), (18, 14153), (19, 14183), (20, 14252), (23, 14273), (24, 14288),

Gene: FromIndy_19 Start: 13157, Stop: 14380, Start Num: 1
Candidate Starts for FromIndy_19:
(Start: 1 @13157 has 6 MA's), (3, 13283), (6, 13568), (7, 13634), (8, 13646), (9, 13649), (12, 13700), (17, 14051), (18, 14138), (19, 14168), (20, 14237), (23, 14258), (24, 14273),

Gene: Miek_18 Start: 13172, Stop: 14395, Start Num: 1
Candidate Starts for Miek_18:
(Start: 1 @13172 has 6 MA's), (3, 13298), (6, 13583), (7, 13649), (8, 13661), (9, 13664), (12, 13715), (17, 14066), (18, 14153), (19, 14183), (20, 14252), (23, 14273), (24, 14288),

Gene: Rainydai_18 Start: 13172, Stop: 14395, Start Num: 1
Candidate Starts for Rainydai_18:
(Start: 1 @13172 has 6 MA's), (3, 13298), (6, 13583), (7, 13649), (8, 13661), (9, 13664), (12, 13715), (17, 14066), (18, 14153), (19, 14183), (20, 14252), (23, 14273), (24, 14288),

Gene: Regigigas_19 Start: 13172, Stop: 14395, Start Num: 1
Candidate Starts for Regigigas_19:
(Start: 1 @13172 has 6 MA's), (3, 13298), (6, 13583), (7, 13649), (8, 13661), (9, 13664), (12, 13715), (17, 14066), (18, 14153), (19, 14183), (20, 14252), (23, 14273), (24, 14288),

Gene: RosaAsantewaa_16 Start: 11396, Stop: 12616, Start Num: 1
Candidate Starts for RosaAsantewaa_16:
(Start: 1 @11396 has 6 MA's), (2, 11411), (4, 11540), (5, 11744), (7, 11858), (9, 11873), (10, 11879), (11, 11915), (13, 11972), (14, 12068), (15, 12074), (16, 12188), (18, 12371), (21, 12476), (22, 12482), (25, 12611),

Gene: SendItCS_17 Start: 13172, Stop: 14395, Start Num: 1
Candidate Starts for SendItCS_17:
(Start: 1 @13172 has 6 MA's), (3, 13298), (6, 13583), (7, 13649), (8, 13661), (9, 13664), (12, 13715), (17, 14066), (18, 14153), (19, 14183), (20, 14252), (23, 14273), (24, 14288),

Gene: Thiqqums_18 Start: 13172, Stop: 14395, Start Num: 1
Candidate Starts for Thiqqums_18:
(Start: 1 @13172 has 6 MA's), (3, 13298), (6, 13583), (7, 13649), (8, 13661), (9, 13664), (12, 13715), (17, 14066), (18, 14153), (19, 14183), (20, 14252), (23, 14273), (24, 14288),