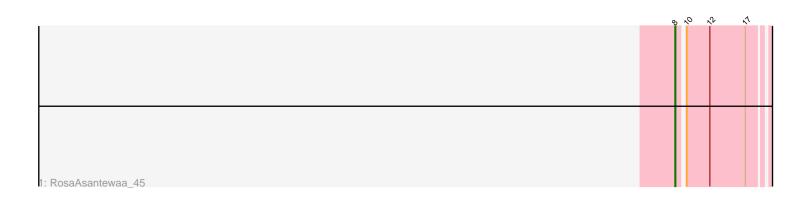
Pham 88117



	Ø	9	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~
2: CricKo_77 + 3				

	Ø	9	ŝ	×%
			+	
B: SendItCS_71 + 2				



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 88117 Report

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

Pham number 88117 has 9 members, 2 are drafts.

Phages represented in each track:

- Track 1 : RosaAsantewaa 45
- Track 2 : CricKo\_77, Thiqqums\_77, Rainydai\_74, Regigigas\_77
  Track 3 : SendItCS\_71, FromIndy\_77, Miek\_73
- Track 4 : Kardashian 70

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

The start number called the most often in the published annotations is 9, it was called in 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start: • CricKo\_77, FromIndy\_77, Kardashian\_70, Miek\_73, Rainydai\_74, Regigigas 77, SendItCS\_71, Thiqqums\_77,

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

Genes that do not have the "Most Annotated" start: RosaAsantewaa 45.

## Summary by start number:

Start 8:

- Found in 1 of 9 (11.1%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: RosaAsantewaa\_45 (BI2),

### Start 9:

- Found in 8 of 9 (88.9%) of genes in pham
- Manual Annotations of this start: 6 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CricKo\_77 (BI4), FromIndy\_77 (BI4),

Kardashian\_70 (BI6), Miek\_73 (BI4), Rainydai\_74 (BI4), Regigigas\_77 (BI4),

SendItCS\_71 (BI4), Thiqqums\_77 (BI4),

### Summary by clusters:

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

Info for manual annotations of cluster BI2: •Start number 8 was manually annotated 1 time for cluster BI2.

Info for manual annotations of cluster BI4: •Start number 9 was manually annotated 5 times for cluster BI4.

Info for manual annotations of cluster BI6: •Start number 9 was manually annotated 1 time for cluster BI6.

#### Gene Information:

Gene: CricKo\_77 Start: 46883, Stop: 47047, Start Num: 9 Candidate Starts for CricKo\_77: (6, 46703), (7, 46706), (Start: 9 @46883 has 6 MA's), (11, 46922), (13, 46937), (18, 46985),

Gene: FromIndy\_77 Start: 46488, Stop: 46652, Start Num: 9 Candidate Starts for FromIndy\_77: (6, 46308), (7, 46311), (Start: 9 @46488 has 6 MA's), (13, 46542), (18, 46590),

Gene: Kardashian\_70 Start: 46397, Stop: 46552, Start Num: 9 Candidate Starts for Kardashian\_70: (1, 45512), (2, 45605), (3, 46088), (4, 46142), (5, 46175), (Start: 9 @46397 has 6 MA's), (13, 46451), (14, 46457), (15, 46481), (16, 46484),

Gene: Miek\_73 Start: 45677, Stop: 45841, Start Num: 9 Candidate Starts for Miek\_73: (6, 45497), (7, 45500), (Start: 9 @45677 has 6 MA's), (13, 45731), (18, 45779),

Gene: Rainydai\_74 Start: 46883, Stop: 47047, Start Num: 9 Candidate Starts for Rainydai\_74: (6, 46703), (7, 46706), (Start: 9 @46883 has 6 MA's), (11, 46922), (13, 46937), (18, 46985),

Gene: Regigigas\_77 Start: 46495, Stop: 46659, Start Num: 9 Candidate Starts for Regigigas\_77: (6, 46315), (7, 46318), (Start: 9 @46495 has 6 MA's), (11, 46534), (13, 46549), (18, 46597),

Gene: RosaAsantewaa\_45 Start: 35218, Stop: 35370, Start Num: 8 Candidate Starts for RosaAsantewaa\_45: (Start: 8 @35218 has 1 MA's), (10, 35227), (12, 35260), (17, 35311),

Gene: SendItCS\_71 Start: 45665, Stop: 45829, Start Num: 9 Candidate Starts for SendItCS\_71: (6, 45485), (7, 45488), (Start: 9 @45665 has 6 MA's), (13, 45719), (18, 45767),

Gene: Thiqqums\_77 Start: 46883, Stop: 47047, Start Num: 9

Candidate Starts for Thiqqums\_77: (6, 46703), (7, 46706), (Start: 9 @46883 has 6 MA's), (11, 46922), (13, 46937), (18, 46985),