



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 247688 Report

This analysis was run 02/07/26 on database version 634.

Pham number 247688 has 9 members, 4 are drafts.

Phages represented in each track:

- Track 1 : NikkiHotWheels\_40, Henrique\_39, HotPotato\_38
- Track 2 : PeggyLeg03\_39, Pucara\_36, Karkharias\_39
- Track 3 : Scotia\_33, NoSwimming\_35
- Track 4 : CocoCinnamon\_36

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

The start number called the most often in the published annotations is 5, it was called in 2 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- NoSwimming\_35, Scotia\_33,

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

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

- CocoCinnamon\_36, Henrique\_39, HotPotato\_38, Karkharias\_39, NikkiHotWheels\_40, PeggyLeg03\_39, Pucara\_36,

### **Summary by start number:**

Start 3:

- Found in 3 of 9 ( 33.3% ) of genes in pham
- Manual Annotations of this start: 2 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Karkharias\_39 (FA), PeggyLeg03\_39 (FA), Pucara\_36 (FA),

Start 5:

- Found in 2 of 9 ( 22.2% ) of genes in pham
- Manual Annotations of this start: 2 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: NoSwimming\_35 (FO), Scotia\_33 (FO),

Start 6:

- Found in 7 of 9 ( 77.8% ) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 57.1% of time when present
- Phage (with cluster) where this start called: CocoCinnamon\_36 (FO), Henrique\_39 (FA), HotPotato\_38 (FA), NikkiHotWheels\_40 (FA),

### **Summary by clusters:**

There are 2 clusters represented in this pham: FA, FO,

Info for manual annotations of cluster FA:

- Start number 3 was manually annotated 2 times for cluster FA.

Info for manual annotations of cluster FO:

- Start number 5 was manually annotated 2 times for cluster FO.
- Start number 6 was manually annotated 1 time for cluster FO.

### **Gene Information:**

Gene: CocoCinnamon\_36 Start: 26265, Stop: 26552, Start Num: 6

Candidate Starts for CocoCinnamon\_36:

(Start: 6 @26265 has 1 MA's), (10, 26364), (12, 26499), (13, 26505),

Gene: Henrique\_39 Start: 27776, Stop: 28075, Start Num: 6

Candidate Starts for Henrique\_39:

(4, 27734), (Start: 6 @27776 has 1 MA's), (9, 27860), (10, 27884), (11, 27959), (12, 28019),

Gene: HotPotato\_38 Start: 28340, Stop: 28639, Start Num: 6

Candidate Starts for HotPotato\_38:

(4, 28298), (Start: 6 @28340 has 1 MA's), (9, 28424), (10, 28448), (11, 28523), (12, 28583),

Gene: Karkharias\_39 Start: 28202, Stop: 28516, Start Num: 3

Candidate Starts for Karkharias\_39:

(1, 28181), (2, 28190), (Start: 3 @28202 has 2 MA's), (Start: 6 @28250 has 1 MA's), (7, 28259), (9, 28301), (10, 28325),

Gene: NikkiHotWheels\_40 Start: 27769, Stop: 28068, Start Num: 6

Candidate Starts for NikkiHotWheels\_40:

(4, 27727), (Start: 6 @27769 has 1 MA's), (9, 27853), (10, 27877), (11, 27952), (12, 28012),

Gene: NoSwimming\_35 Start: 27992, Stop: 28291, Start Num: 5

Candidate Starts for NoSwimming\_35:

(Start: 5 @27992 has 2 MA's), (8, 28046), (10, 28103),

Gene: PeggyLeg03\_39 Start: 28437, Stop: 28751, Start Num: 3

Candidate Starts for PeggyLeg03\_39:

(1, 28416), (2, 28425), (Start: 3 @28437 has 2 MA's), (Start: 6 @28485 has 1 MA's), (7, 28494), (9, 28536), (10, 28560),

Gene: Pucara\_36 Start: 28042, Stop: 28356, Start Num: 3

Candidate Starts for Pucara\_36:

(1, 28021), (2, 28030), (Start: 3 @28042 has 2 MA's), (Start: 6 @28090 has 1 MA's), (7, 28099), (9, 28141), (10, 28165),

Gene: Scotia\_33 Start: 27033, Stop: 27332, Start Num: 5

Candidate Starts for Scotia\_33:

(Start: 5 @27033 has 2 MA's), (8, 27087), (10, 27144),