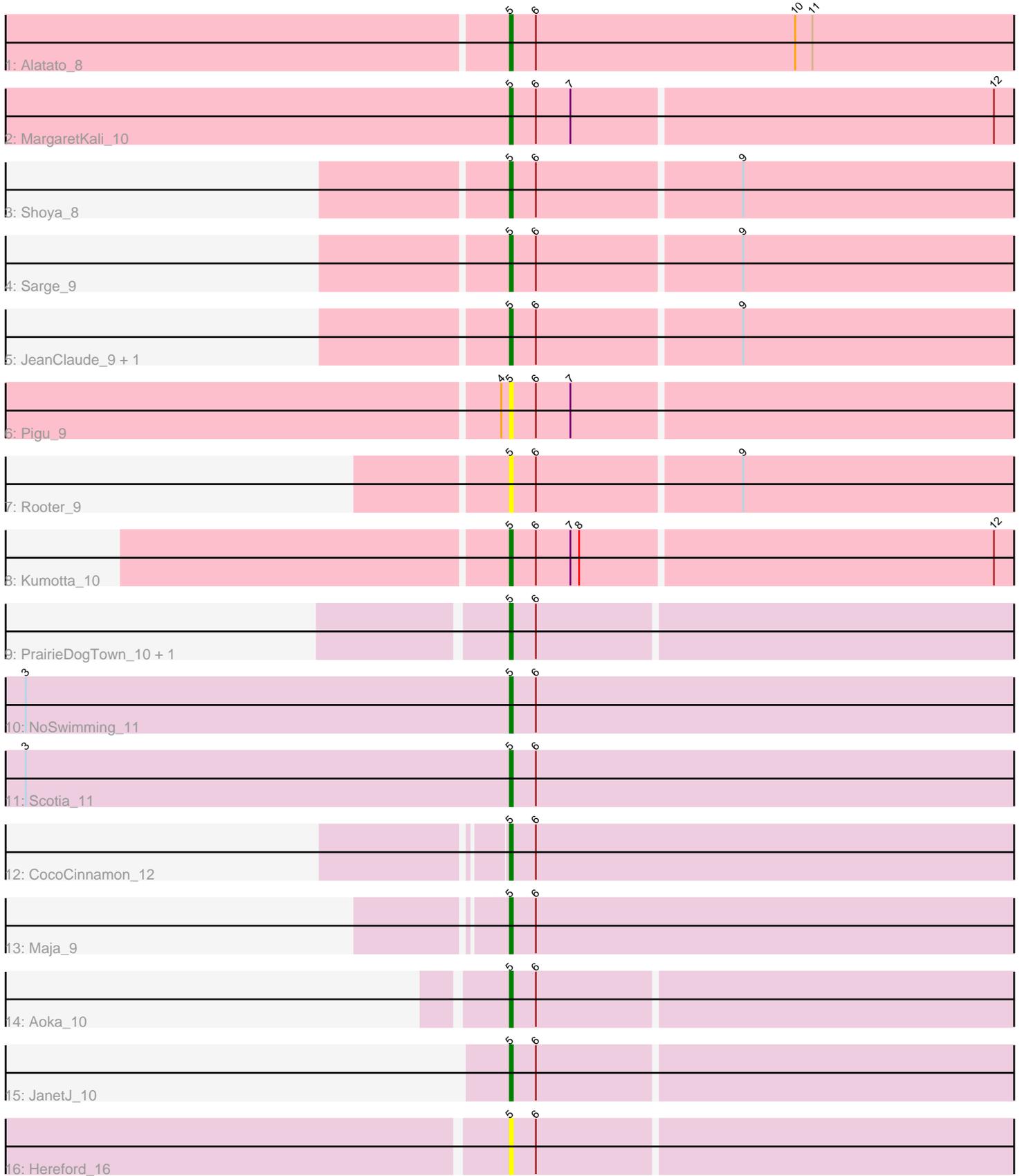


# Zoomed Pham 284233



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 284233 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284233 has 18 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Alatato\_8
- Track 2 : MargaretKali\_10
- Track 3 : Shoya\_8
- Track 4 : Sarge\_9
- Track 5 : JeanClaude\_9, BrayBeast\_9
- Track 6 : Pigu\_9
- Track 7 : Rooter\_9
- Track 8 : Kumotta\_10
- Track 9 : PrairieDogTown\_10, EvenBluerMoon\_10
- Track 10 : NoSwimming\_11
- Track 11 : Scotia\_11
- Track 12 : CocoCinnamon\_12
- Track 13 : Maja\_9
- Track 14 : Aoka\_10
- Track 15 : JanetJ\_10
- Track 16 : Hereford\_16

### ***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 14 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alatato\_8, Aoka\_10, BrayBeast\_9, CocoCinnamon\_12, EvenBluerMoon\_10, Hereford\_16, JanetJ\_10, JeanClaude\_9, Kumotta\_10, Maja\_9, MargaretKali\_10, NoSwimming\_11, Pigu\_9, PrairieDogTown\_10, Rooter\_9, Sarge\_9, Scotia\_11, Shoya\_8,

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 5:

- Found in 18 of 18 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 14 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alatato\_8 (FB), Aoka\_10 (FO), BrayBeast\_9 (FB), CocoCinnamon\_12 (FO), EvenBluerMoon\_10 (FO), Hereford\_16 (FO), JanetJ\_10 (FO), JeanClaude\_9 (FB), Kumotta\_10 (FB), Maja\_9 (FO), MargaretKali\_10 (FB), NoSwimming\_11 (FO), Pigu\_9 (FB), PrairieDogTown\_10 (FO), Rooter\_9 (FB), Sarge\_9 (FB), Scotia\_11 (FO), Shoya\_8 (FB),

## Summary by clusters:

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

Info for manual annotations of cluster FB:

- Start number 5 was manually annotated 6 times for cluster FB.

Info for manual annotations of cluster FO:

- Start number 5 was manually annotated 8 times for cluster FO.

## Gene Information:

Gene: Alatato\_8 Start: 6552, Stop: 6920, Start Num: 5

Candidate Starts for Alatato\_8:

(Start: 5 @6552 has 14 MA's), (6, 6561), (10, 6651), (11, 6657), (13, 6735), (17, 6780), (21, 6876), (23, 6909),

Gene: Aoka\_10 Start: 8106, Stop: 8438, Start Num: 5

Candidate Starts for Aoka\_10:

(Start: 5 @8106 has 14 MA's), (6, 8115),

Gene: BrayBeast\_9 Start: 7001, Stop: 7333, Start Num: 5

Candidate Starts for BrayBeast\_9:

(Start: 5 @7001 has 14 MA's), (6, 7010), (9, 7079), (16, 7223), (20, 7250), (23, 7322),

Gene: CocoCinnamon\_12 Start: 8205, Stop: 8576, Start Num: 5

Candidate Starts for CocoCinnamon\_12:

(Start: 5 @8205 has 14 MA's), (6, 8214), (13, 8388), (18, 8448), (20, 8493), (22, 8556), (23, 8565),

Gene: EvenBluerMoon\_10 Start: 8140, Stop: 8472, Start Num: 5

Candidate Starts for EvenBluerMoon\_10:

(Start: 5 @8140 has 14 MA's), (6, 8149),

Gene: Hereford\_16 Start: 8285, Stop: 8617, Start Num: 5

Candidate Starts for Hereford\_16:

(1, 7853), (Start: 5 @8285 has 14 MA's), (6, 8294),

Gene: JanetJ\_10 Start: 7922, Stop: 8254, Start Num: 5

Candidate Starts for JanetJ\_10:

(Start: 5 @7922 has 14 MA's), (6, 7931),

Gene: JeanClaude\_9 Start: 6908, Stop: 7240, Start Num: 5

Candidate Starts for JeanClaude\_9:

(Start: 5 @6908 has 14 MA's), (6, 6917), (9, 6986), (16, 7130), (20, 7157), (23, 7229),

Gene: Kumotta\_10 Start: 7839, Stop: 8171, Start Num: 5

Candidate Starts for Kumotta\_10:

(Start: 5 @7839 has 14 MA's), (6, 7848), (7, 7860), (8, 7863), (12, 8004), (13, 8019), (17, 8064), (20, 8088), (22, 8151), (23, 8160),

Gene: Maja\_9 Start: 7424, Stop: 7792, Start Num: 5

Candidate Starts for Maja\_9:

(Start: 5 @7424 has 14 MA's), (6, 7433), (13, 7607), (14, 7610), (16, 7649), (17, 7652), (19, 7685), (20, 7709), (22, 7772), (23, 7781),

Gene: MargaretKali\_10 Start: 7474, Stop: 7806, Start Num: 5

Candidate Starts for MargaretKali\_10:

(Start: 5 @7474 has 14 MA's), (6, 7483), (7, 7495), (12, 7639), (13, 7654), (15, 7678), (17, 7699), (22, 7786), (23, 7795),

Gene: NoSwimming\_11 Start: 9047, Stop: 9415, Start Num: 5

Candidate Starts for NoSwimming\_11:

(2, 8651), (3, 8879), (Start: 5 @9047 has 14 MA's), (6, 9056), (17, 9275), (20, 9332),

Gene: Pigu\_9 Start: 6514, Stop: 6882, Start Num: 5

Candidate Starts for Pigu\_9:

(4, 6511), (Start: 5 @6514 has 14 MA's), (6, 6523), (7, 6535), (13, 6694), (18, 6754), (20, 6799), (22, 6862), (23, 6871),

Gene: PrairieDogTown\_10 Start: 8142, Stop: 8474, Start Num: 5

Candidate Starts for PrairieDogTown\_10:

(Start: 5 @8142 has 14 MA's), (6, 8151),

Gene: Rooter\_9 Start: 6545, Stop: 6877, Start Num: 5

Candidate Starts for Rooter\_9:

(Start: 5 @6545 has 14 MA's), (6, 6554), (9, 6623), (13, 6725), (16, 6767), (20, 6794), (21, 6833), (23, 6866),

Gene: Sarge\_9 Start: 6912, Stop: 7244, Start Num: 5

Candidate Starts for Sarge\_9:

(Start: 5 @6912 has 14 MA's), (6, 6921), (9, 6990), (16, 7134), (17, 7137), (20, 7161), (23, 7233),

Gene: Scotia\_11 Start: 9053, Stop: 9421, Start Num: 5

Candidate Starts for Scotia\_11:

(2, 8657), (3, 8885), (Start: 5 @9053 has 14 MA's), (6, 9062), (17, 9281), (20, 9338),

Gene: Shoya\_8 Start: 6548, Stop: 6880, Start Num: 5

Candidate Starts for Shoya\_8:

(Start: 5 @6548 has 14 MA's), (6, 6557), (9, 6626), (15, 6752), (16, 6770), (20, 6797), (23, 6869),