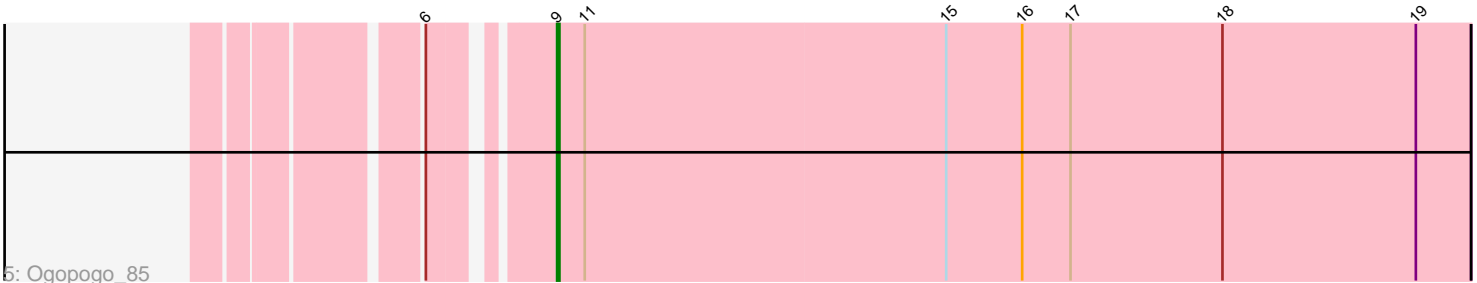
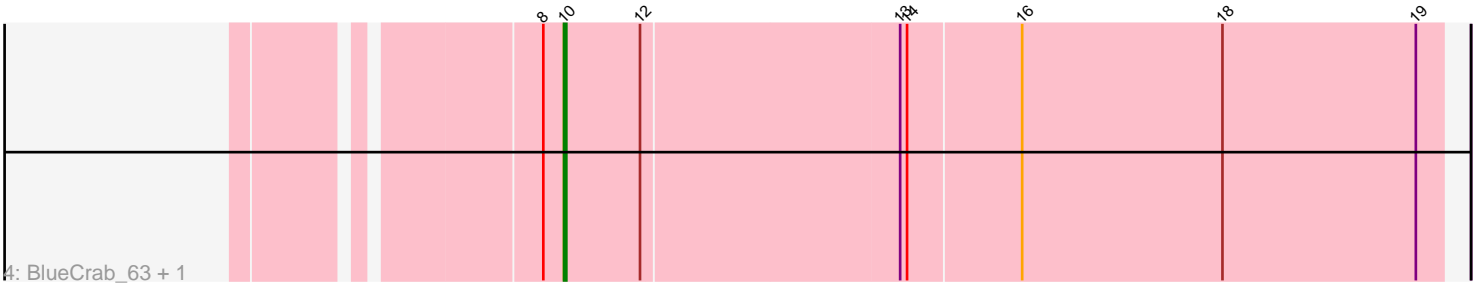
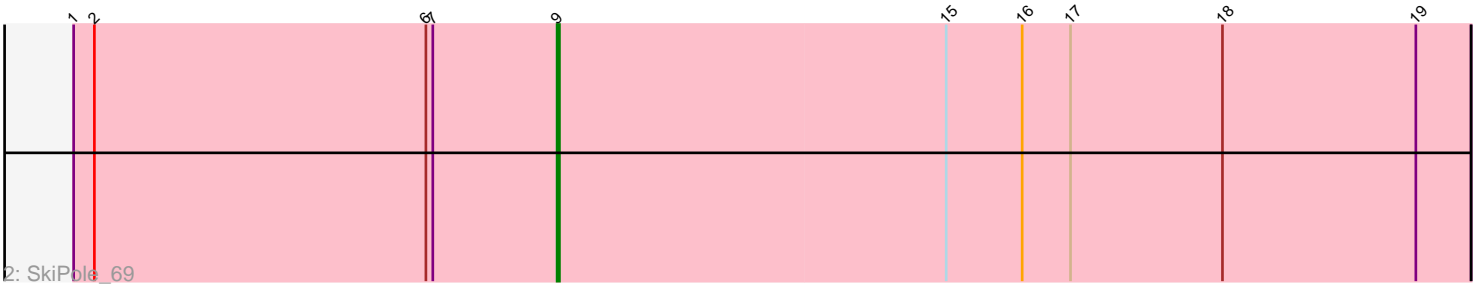


Pham 281208



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 281208 Report

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

Pham number 281208 has 8 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Target_63
- Track 2 : SkiPole_69
- Track 3 : Elite2014_45, ChosenOne_46, Lilpickle_45
- Track 4 : BlueCrab_63, ByChance_55
- Track 5 : Ogopogo_85

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 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ChosenOne_46, Elite2014_45, Lilpickle_45, Ogopogo_85, SkiPole_69, Target_63,

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

-

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

- BlueCrab_63, ByChance_55,

Summary by start number:

Start 9:

- Found in 6 of 8 (75.0%) of genes in pham
- Manual Annotations of this start: 6 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ChosenOne_46 (E), Elite2014_45 (E), Lilpickle_45 (E), Ogopogo_85 (F1), SkiPole_69 (A1), Target_63 (A1),

Start 10:

- Found in 2 of 8 (25.0%) of genes in pham
- Manual Annotations of this start: 2 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BlueCrab_63 (F1), ByChance_55 (F1),

Summary by clusters:

There are 3 clusters represented in this pham: A1, F1, E,

Info for manual annotations of cluster A1:

- Start number 9 was manually annotated 2 times for cluster A1.

Info for manual annotations of cluster E:

- Start number 9 was manually annotated 3 times for cluster E.

Info for manual annotations of cluster F1:

- Start number 9 was manually annotated 1 time for cluster F1.
- Start number 10 was manually annotated 2 times for cluster F1.

Gene Information:

Gene: BlueCrab_63 Start: 41722, Stop: 42096, Start Num: 10

Candidate Starts for BlueCrab_63:

(8, 41713), (Start: 10 @41722 has 2 MA's), (12, 41755), (13, 41863), (14, 41866), (16, 41914), (18, 42001), (19, 42085),

Gene: ByChance_55 Start: 36650, Stop: 37024, Start Num: 10

Candidate Starts for ByChance_55:

(8, 36641), (Start: 10 @36650 has 2 MA's), (12, 36683), (13, 36791), (14, 36794), (16, 36842), (18, 36929), (19, 37013),

Gene: ChosenOne_46 Start: 35277, Stop: 34882, Start Num: 9

Candidate Starts for ChosenOne_46:

(3, 35379), (4, 35373), (5, 35343), (Start: 9 @35277 has 6 MA's), (11, 35265), (15, 35109), (16, 35076), (17, 35055), (18, 34989), (19, 34905),

Gene: Elite2014_45 Start: 35276, Stop: 34881, Start Num: 9

Candidate Starts for Elite2014_45:

(3, 35378), (4, 35372), (5, 35342), (Start: 9 @35276 has 6 MA's), (11, 35264), (15, 35108), (16, 35075), (17, 35054), (18, 34988), (19, 34904),

Gene: Lilpickle_45 Start: 35276, Stop: 34881, Start Num: 9

Candidate Starts for Lilpickle_45:

(3, 35378), (4, 35372), (5, 35342), (Start: 9 @35276 has 6 MA's), (11, 35264), (15, 35108), (16, 35075), (17, 35054), (18, 34988), (19, 34904),

Gene: Ogopogo_85 Start: 48076, Stop: 48471, Start Num: 9

Candidate Starts for Ogopogo_85:

(6, 48034), (Start: 9 @48076 has 6 MA's), (11, 48088), (15, 48244), (16, 48277), (17, 48298), (18, 48364), (19, 48448),

Gene: SkiPole_69 Start: 42424, Stop: 42029, Start Num: 9

Candidate Starts for SkiPole_69:

(1, 42634), (2, 42625), (6, 42481), (7, 42478), (Start: 9 @42424 has 6 MA's), (15, 42256), (16, 42223), (17, 42202), (18, 42136), (19, 42052),

Gene: Target_63 Start: 40851, Stop: 40456, Start Num: 9

Candidate Starts for Target_63:

(2, 41052), (6, 40908), (7, 40905), (Start: 9 @40851 has 6 MA's), (11, 40839), (15, 40683), (16, 40650),
(17, 40629), (18, 40563), (19, 40479),