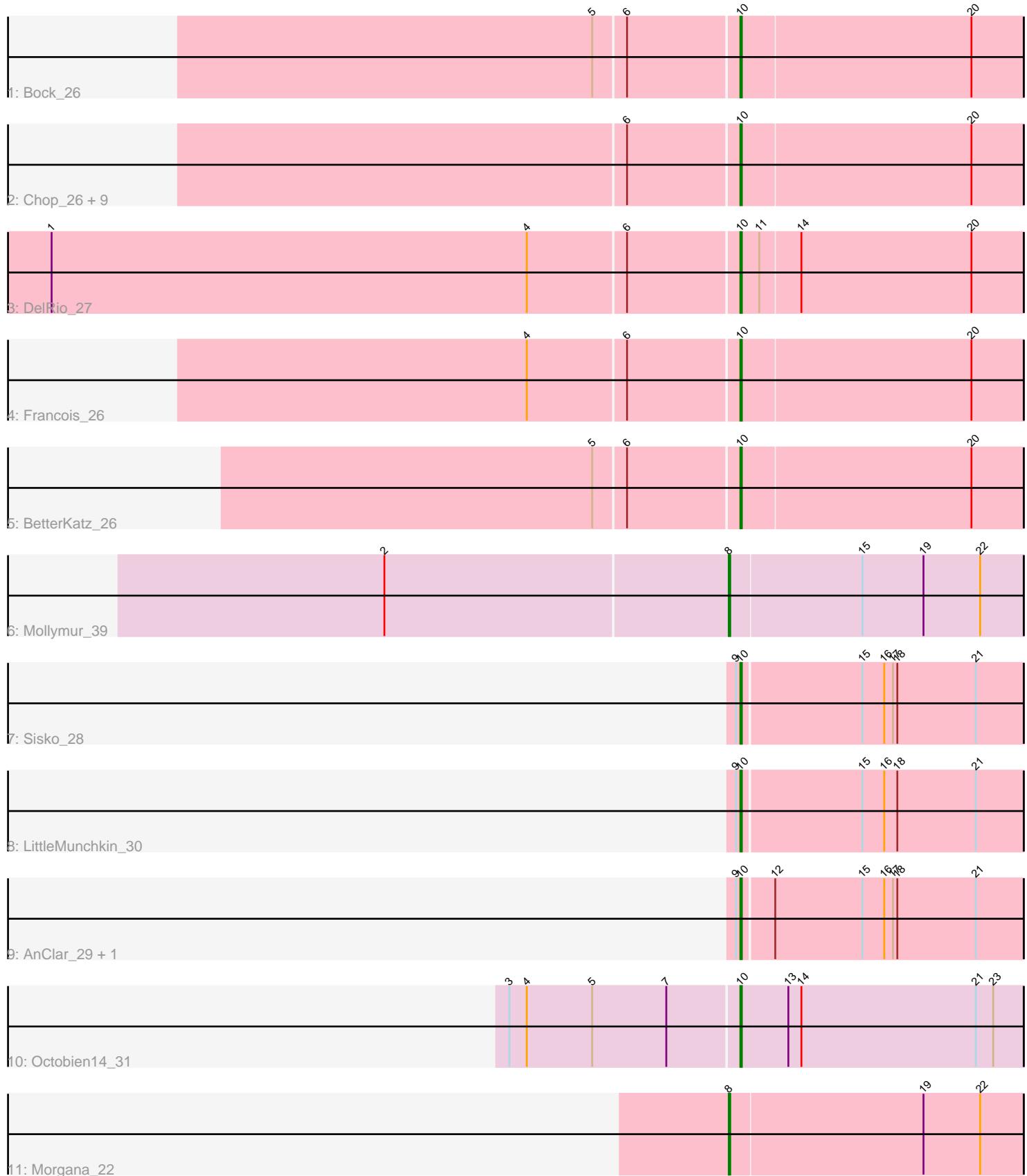


# Pham 280882



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 280882 Report

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

Pham number 280882 has 21 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Bock\_26
- Track 2 : Chop\_26, Ayotoya\_26, Parada\_26, Nadeem\_26, Mulch\_26, GrandSlam\_26, NancyRae\_26, Hamood\_26, WheatThin\_26, Brylie\_26
- Track 3 : DelRio\_27
- Track 4 : Francois\_26
- Track 5 : BetterKatz\_26
- Track 6 : Mollymur\_39
- Track 7 : Sisko\_28
- Track 8 : LittleMunchkin\_30
- Track 9 : AnClar\_29, Yago84\_28
- Track 10 : Octobien14\_31
- Track 11 : Morgana\_22

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

The start number called the most often in the published annotations is 10, it was called in 19 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AnClar\_29, Ayotoya\_26, BetterKatz\_26, Bock\_26, Brylie\_26, Chop\_26, DelRio\_27, Francois\_26, GrandSlam\_26, Hamood\_26, LittleMunchkin\_30, Mulch\_26, Nadeem\_26, NancyRae\_26, Octobien14\_31, Parada\_26, Sisko\_28, WheatThin\_26, Yago84\_28,

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

- 

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

- Mollymur\_39, Morgana\_22,

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

Start 8:

- Found in 2 of 21 ( 9.5% ) of genes in pham

- Manual Annotations of this start: 2 of 21
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Mollymur\_39 (DL), Morgana\_22 (DZ),

Start 10:

- Found in 19 of 21 ( 90.5% ) of genes in pham
- Manual Annotations of this start: 19 of 21
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AnClar\_29 (DR), Ayotoya\_26 (DI), BetterKatz\_26 (DI), Bock\_26 (DI), Brylie\_26 (DI), Chop\_26 (DI), DelRio\_27 (DI), Francois\_26 (DI), GrandSlam\_26 (DI), Hamood\_26 (DI), LittleMunchkin\_30 (DR), Mulch\_26 (DI), Nadeem\_26 (DI), NancyRae\_26 (DI), Octobien14\_31 (DU1), Parada\_26 (DI), Sisko\_28 (DR), WheatThin\_26 (DI), Yago84\_28 (DR),

### **Summary by clusters:**

There are 5 clusters represented in this pham: DU1, DL, DR, DZ, DI,

Info for manual annotations of cluster DI:

- Start number 10 was manually annotated 14 times for cluster DI.

Info for manual annotations of cluster DL:

- Start number 8 was manually annotated 1 time for cluster DL.

Info for manual annotations of cluster DR:

- Start number 10 was manually annotated 4 times for cluster DR.

Info for manual annotations of cluster DU1:

- Start number 10 was manually annotated 1 time for cluster DU1.

Info for manual annotations of cluster DZ:

- Start number 8 was manually annotated 1 time for cluster DZ.

### **Gene Information:**

Gene: AnClar\_29 Start: 30143, Stop: 30334, Start Num: 10

Candidate Starts for AnClar\_29:

(9, 30140), (Start: 10 @30143 has 19 MA's), (12, 30164), (15, 30224), (16, 30239), (17, 30245), (18, 30248), (21, 30302),

Gene: Ayotoya\_26 Start: 23908, Stop: 24099, Start Num: 10

Candidate Starts for Ayotoya\_26:

(6, 23833), (Start: 10 @23908 has 19 MA's), (20, 24064),

Gene: BetterKatz\_26 Start: 23381, Stop: 23572, Start Num: 10

Candidate Starts for BetterKatz\_26:

(5, 23285), (6, 23306), (Start: 10 @23381 has 19 MA's), (20, 23537),

Gene: Bock\_26 Start: 23131, Stop: 23322, Start Num: 10

Candidate Starts for Bock\_26:

(5, 23035), (6, 23056), (Start: 10 @23131 has 19 MA's), (20, 23287),

Gene: Brylie\_26 Start: 23122, Stop: 23313, Start Num: 10

Candidate Starts for Brylie\_26:

(6, 23047), (Start: 10 @23122 has 19 MA's), (20, 23278),

Gene: Chop\_26 Start: 23656, Stop: 23847, Start Num: 10

Candidate Starts for Chop\_26:

(6, 23581), (Start: 10 @23656 has 19 MA's), (20, 23812),

Gene: DelRio\_27 Start: 24130, Stop: 24321, Start Num: 10

Candidate Starts for DelRio\_27:

(1, 23662), (4, 23989), (6, 24055), (Start: 10 @24130 has 19 MA's), (11, 24142), (14, 24169), (20, 24286),

Gene: Francois\_26 Start: 23145, Stop: 23336, Start Num: 10

Candidate Starts for Francois\_26:

(4, 23004), (6, 23070), (Start: 10 @23145 has 19 MA's), (20, 23301),

Gene: GrandSlam\_26 Start: 23656, Stop: 23847, Start Num: 10

Candidate Starts for GrandSlam\_26:

(6, 23581), (Start: 10 @23656 has 19 MA's), (20, 23812),

Gene: Hamood\_26 Start: 23656, Stop: 23847, Start Num: 10

Candidate Starts for Hamood\_26:

(6, 23581), (Start: 10 @23656 has 19 MA's), (20, 23812),

Gene: LittleMunchkin\_30 Start: 30714, Stop: 30905, Start Num: 10

Candidate Starts for LittleMunchkin\_30:

(9, 30711), (Start: 10 @30714 has 19 MA's), (15, 30795), (16, 30810), (18, 30819), (21, 30873),

Gene: Mollymur\_39 Start: 35807, Stop: 36007, Start Num: 8

Candidate Starts for Mollymur\_39:

(2, 35573), (Start: 8 @35807 has 2 MA's), (15, 35897), (19, 35939), (22, 35978),

Gene: Morgana\_22 Start: 20847, Stop: 21047, Start Num: 8

Candidate Starts for Morgana\_22:

(Start: 8 @20847 has 2 MA's), (19, 20979), (22, 21018),

Gene: Mulch\_26 Start: 23122, Stop: 23313, Start Num: 10

Candidate Starts for Mulch\_26:

(6, 23047), (Start: 10 @23122 has 19 MA's), (20, 23278),

Gene: Nadeem\_26 Start: 23122, Stop: 23313, Start Num: 10

Candidate Starts for Nadeem\_26:

(6, 23047), (Start: 10 @23122 has 19 MA's), (20, 23278),

Gene: NancyRae\_26 Start: 23128, Stop: 23319, Start Num: 10

Candidate Starts for NancyRae\_26:

(6, 23053), (Start: 10 @23128 has 19 MA's), (20, 23284),

Gene: Octobien14\_31 Start: 26466, Stop: 26660, Start Num: 10

Candidate Starts for Octobien14\_31:

(3, 26310), (4, 26322), (5, 26367), (7, 26418), (Start: 10 @26466 has 19 MA's), (13, 26499), (14, 26508), (21, 26628), (23, 26640),

Gene: Parada\_26 Start: 23122, Stop: 23313, Start Num: 10

Candidate Starts for Parada\_26:

(6, 23047), (Start: 10 @23122 has 19 MA's), (20, 23278),

Gene: Sisko\_28 Start: 28150, Stop: 28341, Start Num: 10

Candidate Starts for Sisko\_28:

(9, 28147), (Start: 10 @28150 has 19 MA's), (15, 28231), (16, 28246), (17, 28252), (18, 28255), (21, 28309),

Gene: WheatThin\_26 Start: 23122, Stop: 23313, Start Num: 10

Candidate Starts for WheatThin\_26:

(6, 23047), (Start: 10 @23122 has 19 MA's), (20, 23278),

Gene: Yago84\_28 Start: 28224, Stop: 28415, Start Num: 10

Candidate Starts for Yago84\_28:

(9, 28221), (Start: 10 @28224 has 19 MA's), (12, 28245), (15, 28305), (16, 28320), (17, 28326), (18, 28329), (21, 28383),