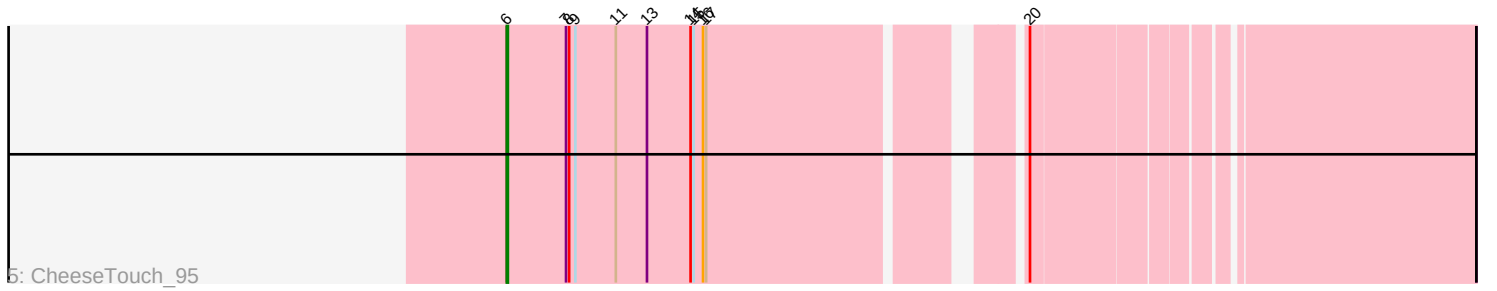
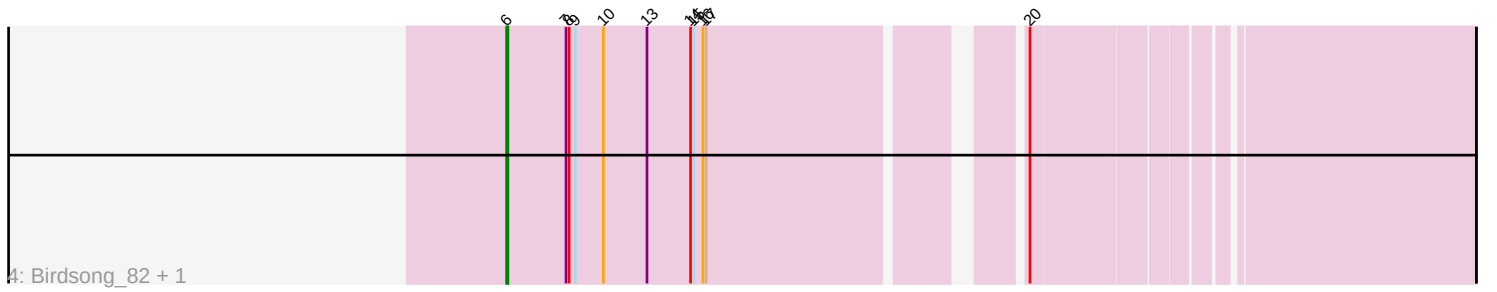
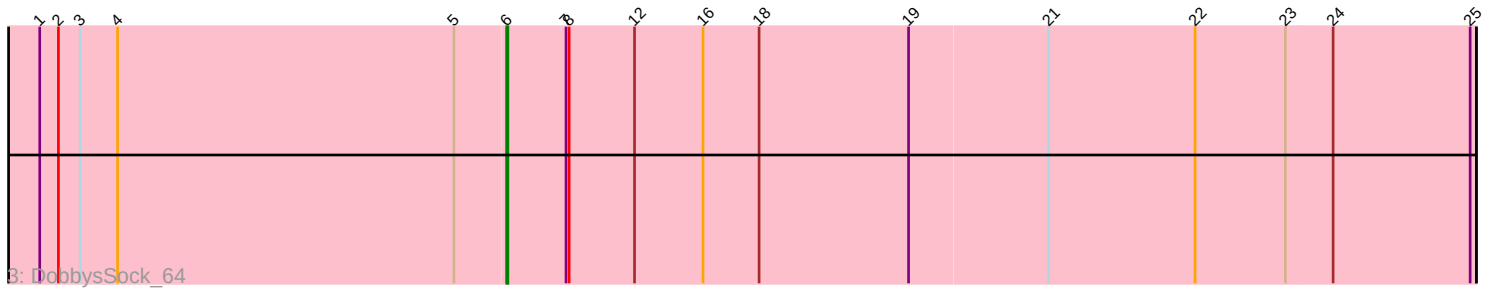
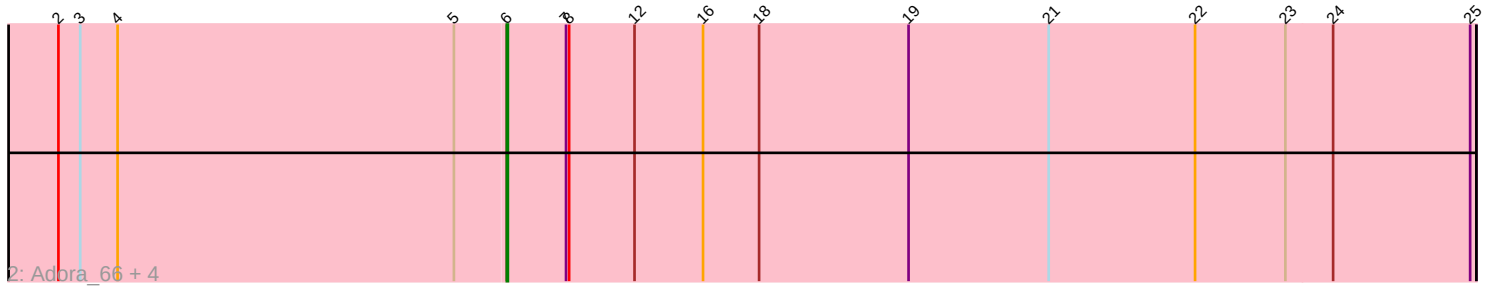
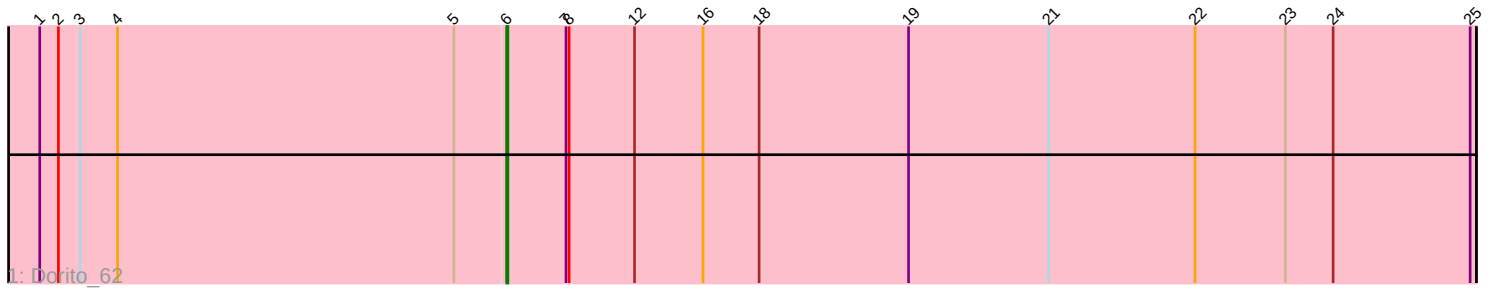


## Pham 237586



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 237586 Report

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

Pham number 237586 has 10 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Dorito\_62
- Track 2 : Adora\_66, Howe\_69, Hortense\_69, Twinkle\_68, Shlim410\_67
- Track 3 : DobbysSock\_64
- Track 4 : Birdsong\_82, Asapag\_83
- Track 5 : CheeseTouch\_95

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

The start number called the most often in the published annotations is 6, it was called in 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Adora\_66, Asapag\_83, Birdsong\_82, CheeseTouch\_95, DobbysSock\_64, Dorito\_62, Hortense\_69, Howe\_69, Shlim410\_67, Twinkle\_68,

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 6:

- Found in 10 of 10 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 10 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Adora\_66 (CZ4), Asapag\_83 (DN1), Birdsong\_82 (DN), CheeseTouch\_95 (DN1), DobbysSock\_64 (CZ4), Dorito\_62 (CZ4), Hortense\_69 (CZ4), Howe\_69 (CZ4), Shlim410\_67 (CZ4), Twinkle\_68 (CZ4),

### **Summary by clusters:**

There are 3 clusters represented in this pham: DN, DN1, CZ4,

Info for manual annotations of cluster CZ4:

- Start number 6 was manually annotated 7 times for cluster CZ4.

Info for manual annotations of cluster DN:

- Start number 6 was manually annotated 1 time for cluster DN.

Info for manual annotations of cluster DN1:

- Start number 6 was manually annotated 2 times for cluster DN1.

### **Gene Information:**

Gene: Adora\_66 Start: 45210, Stop: 46142, Start Num: 6

Candidate Starts for Adora\_66:

(2, 44781), (3, 44802), (4, 44838), (5, 45162), (Start: 6 @45210 has 10 MA's), (7, 45267), (8, 45270), (12, 45333), (16, 45399), (18, 45453), (19, 45597), (21, 45732), (22, 45873), (23, 45960), (24, 46005), (25, 46137),

Gene: Asapag\_83 Start: 47246, Stop: 48094, Start Num: 6

Candidate Starts for Asapag\_83:

(Start: 6 @47246 has 10 MA's), (7, 47303), (8, 47306), (9, 47312), (10, 47339), (13, 47381), (14, 47423), (15, 47426), (16, 47435), (17, 47438), (20, 47702),

Gene: Birdsong\_82 Start: 46982, Stop: 47830, Start Num: 6

Candidate Starts for Birdsong\_82:

(Start: 6 @46982 has 10 MA's), (7, 47039), (8, 47042), (9, 47048), (10, 47075), (13, 47117), (14, 47159), (15, 47162), (16, 47171), (17, 47174), (20, 47438),

Gene: CheeseTouch\_95 Start: 46569, Stop: 47417, Start Num: 6

Candidate Starts for CheeseTouch\_95:

(Start: 6 @46569 has 10 MA's), (7, 46626), (8, 46629), (9, 46635), (11, 46674), (13, 46704), (14, 46746), (15, 46749), (16, 46758), (17, 46761), (20, 47025),

Gene: DobbysSock\_64 Start: 42660, Stop: 43589, Start Num: 6

Candidate Starts for DobbysSock\_64:

(1, 42213), (2, 42231), (3, 42252), (4, 42288), (5, 42612), (Start: 6 @42660 has 10 MA's), (7, 42717), (8, 42720), (12, 42783), (16, 42849), (18, 42903), (19, 43047), (21, 43179), (22, 43320), (23, 43407), (24, 43452), (25, 43584),

Gene: Dorito\_62 Start: 40527, Stop: 41459, Start Num: 6

Candidate Starts for Dorito\_62:

(1, 40080), (2, 40098), (3, 40119), (4, 40155), (5, 40479), (Start: 6 @40527 has 10 MA's), (7, 40584), (8, 40587), (12, 40650), (16, 40716), (18, 40770), (19, 40914), (21, 41049), (22, 41190), (23, 41277), (24, 41322), (25, 41454),

Gene: Hortense\_69 Start: 46565, Stop: 47497, Start Num: 6

Candidate Starts for Hortense\_69:

(2, 46136), (3, 46157), (4, 46193), (5, 46517), (Start: 6 @46565 has 10 MA's), (7, 46622), (8, 46625), (12, 46688), (16, 46754), (18, 46808), (19, 46952), (21, 47087), (22, 47228), (23, 47315), (24, 47360), (25, 47492),

Gene: Howe\_69 Start: 46565, Stop: 47497, Start Num: 6

Candidate Starts for Howe\_69:

(2, 46136), (3, 46157), (4, 46193), (5, 46517), (Start: 6 @46565 has 10 MA's), (7, 46622), (8, 46625), (12, 46688), (16, 46754), (18, 46808), (19, 46952), (21, 47087), (22, 47228), (23, 47315), (24, 47360), (25, 47492),

Gene: Shlim410\_67 Start: 46565, Stop: 47497, Start Num: 6

Candidate Starts for Shlim410\_67:

(2, 46136), (3, 46157), (4, 46193), (5, 46517), (Start: 6 @46565 has 10 MA's), (7, 46622), (8, 46625), (12, 46688), (16, 46754), (18, 46808), (19, 46952), (21, 47087), (22, 47228), (23, 47315), (24, 47360), (25, 47492),

Gene: Twinkle\_68 Start: 47624, Stop: 48556, Start Num: 6

Candidate Starts for Twinkle\_68:

(2, 47195), (3, 47216), (4, 47252), (5, 47576), (Start: 6 @47624 has 10 MA's), (7, 47681), (8, 47684), (12, 47747), (16, 47813), (18, 47867), (19, 48011), (21, 48146), (22, 48287), (23, 48374), (24, 48419), (25, 48551),