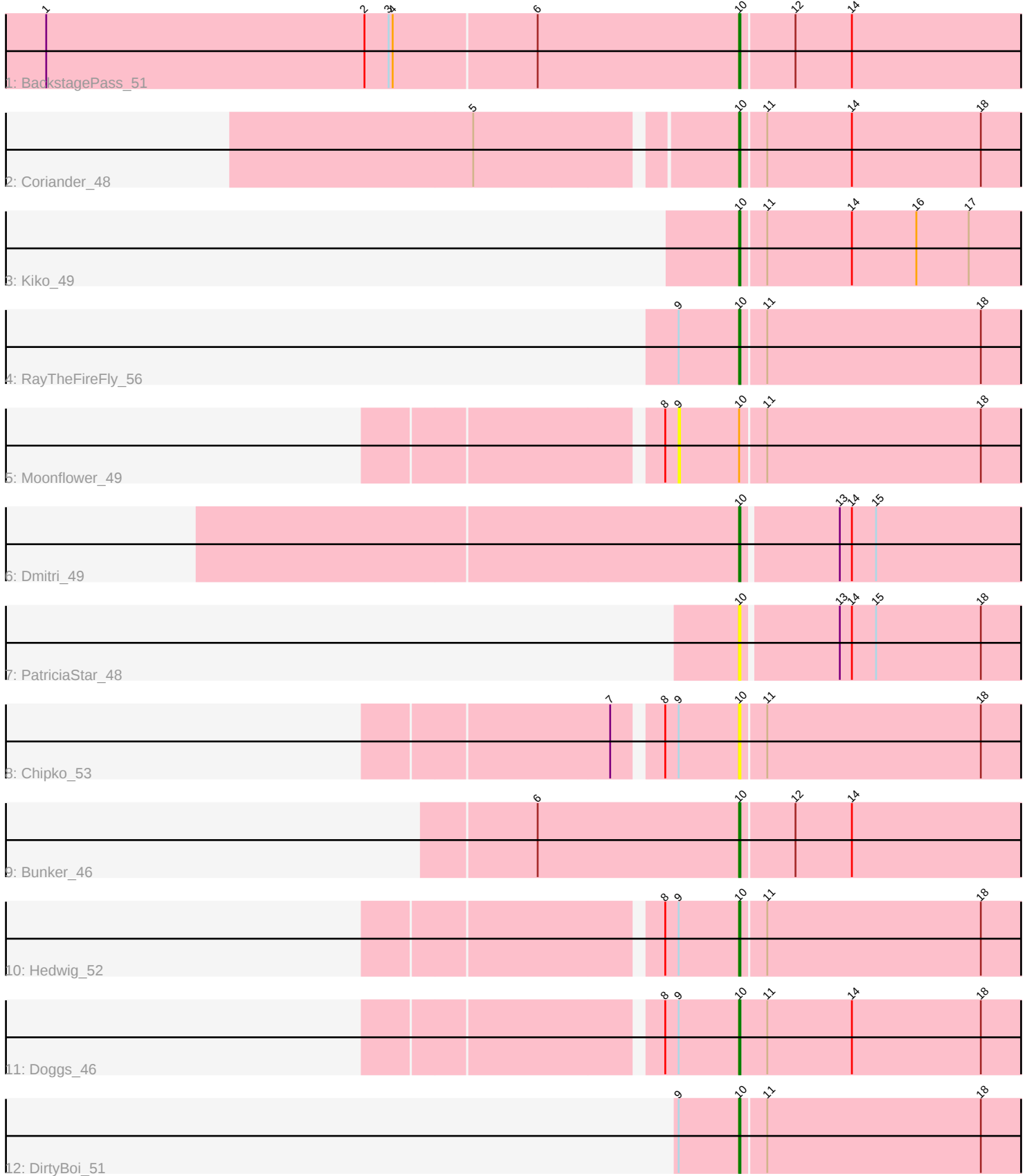


# Pham 322021



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 322021 Report

This analysis was run 09/05/26 on database version 662.

Pham number 322021 has 12 members, 3 are drafts.

Phages represented in each track:

- Track 1 : BackstagePass\_51
- Track 2 : Coriander\_48
- Track 3 : Kiko\_49
- Track 4 : RayTheFireFly\_56
- Track 5 : Moonflower\_49
- Track 6 : Dmitri\_49
- Track 7 : PatriciaStar\_48
- Track 8 : Chipko\_53
- Track 9 : Bunker\_46
- Track 10 : Hedwig\_52
- Track 11 : Doggs\_46
- Track 12 : DirtyBoi\_51

### ***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 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BackstagePass\_51, Bunker\_46, Chipko\_53, Coriander\_48, DirtyBoi\_51, Dmitri\_49, Doggs\_46, Hedwig\_52, Kiko\_49, PatriciaStar\_48, RayTheFireFly\_56,

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

- Moonflower\_49,

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

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

Start 9:

- Found in 6 of 12 ( 50.0% ) of genes in pham
- No Manual Annotations of this start.
- Called 16.7% of time when present

- Phage (with cluster) where this start called: Moonflower\_49 (DB),

Start 10:

- Found in 12 of 12 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 9 of 9
- Called 91.7% of time when present
- Phage (with cluster) where this start called: BackstagePass\_51 (DB), Bunker\_46 (DB), Chipko\_53 (DB), Coriander\_48 (DB), DirtyBoi\_51 (DB), Dmitri\_49 (DB), Doggs\_46 (DB), Hedwig\_52 (DB), Kiko\_49 (DB), PatriciaStar\_48 (DB), RayTheFireFly\_56 (DB),

### Summary by clusters:

There is one cluster represented in this pham: DB

Info for manual annotations of cluster DB:

- Start number 10 was manually annotated 9 times for cluster DB.

### Gene Information:

Gene: BackstagePass\_51 Start: 35751, Stop: 35996, Start Num: 10

Candidate Starts for BackstagePass\_51:

(1, 35238), (2, 35475), (3, 35493), (4, 35496), (6, 35601), (Start: 10 @35751 has 9 MA's), (12, 35790), (14, 35832),

Gene: Bunker\_46 Start: 34695, Stop: 34940, Start Num: 10

Candidate Starts for Bunker\_46:

(6, 34545), (Start: 10 @34695 has 9 MA's), (12, 34734), (14, 34776),

Gene: Chipko\_53 Start: 37084, Stop: 37344, Start Num: 10

Candidate Starts for Chipko\_53:

(7, 37000), (8, 37030), (9, 37039), (Start: 10 @37084 has 9 MA's), (11, 37102), (18, 37261),

Gene: Coriander\_48 Start: 34533, Stop: 34793, Start Num: 10

Candidate Starts for Coriander\_48:

(5, 34353), (Start: 10 @34533 has 9 MA's), (11, 34551), (14, 34614), (18, 34710),

Gene: DirtyBoi\_51 Start: 34708, Stop: 34959, Start Num: 10

Candidate Starts for DirtyBoi\_51:

(9, 34663), (Start: 10 @34708 has 9 MA's), (11, 34726), (18, 34885),

Gene: Dmitri\_49 Start: 36172, Stop: 36420, Start Num: 10

Candidate Starts for Dmitri\_49:

(Start: 10 @36172 has 9 MA's), (13, 36241), (14, 36250), (15, 36268),

Gene: Doggs\_46 Start: 35398, Stop: 35661, Start Num: 10

Candidate Starts for Doggs\_46:

(8, 35344), (9, 35353), (Start: 10 @35398 has 9 MA's), (11, 35419), (14, 35482), (18, 35578),

Gene: Hedwig\_52 Start: 35129, Stop: 35389, Start Num: 10

Candidate Starts for Hedwig\_52:

(8, 35075), (9, 35084), (Start: 10 @35129 has 9 MA's), (11, 35147), (18, 35306),

Gene: Kiko\_49 Start: 35026, Stop: 35271, Start Num: 10

Candidate Starts for Kiko\_49:

(Start: 10 @35026 has 9 MA's), (11, 35044), (14, 35107), (16, 35155), (17, 35194),

Gene: Moonflower\_49 Start: 36057, Stop: 36362, Start Num: 9

Candidate Starts for Moonflower\_49:

(8, 36048), (9, 36057), (Start: 10 @36102 has 9 MA's), (11, 36120), (18, 36279),

Gene: PatriciaStar\_48 Start: 35812, Stop: 36060, Start Num: 10

Candidate Starts for PatriciaStar\_48:

(Start: 10 @35812 has 9 MA's), (13, 35881), (14, 35890), (15, 35908), (18, 35986),

Gene: RayTheFireFly\_56 Start: 36308, Stop: 36568, Start Num: 10

Candidate Starts for RayTheFireFly\_56:

(9, 36263), (Start: 10 @36308 has 9 MA's), (11, 36326), (18, 36485),