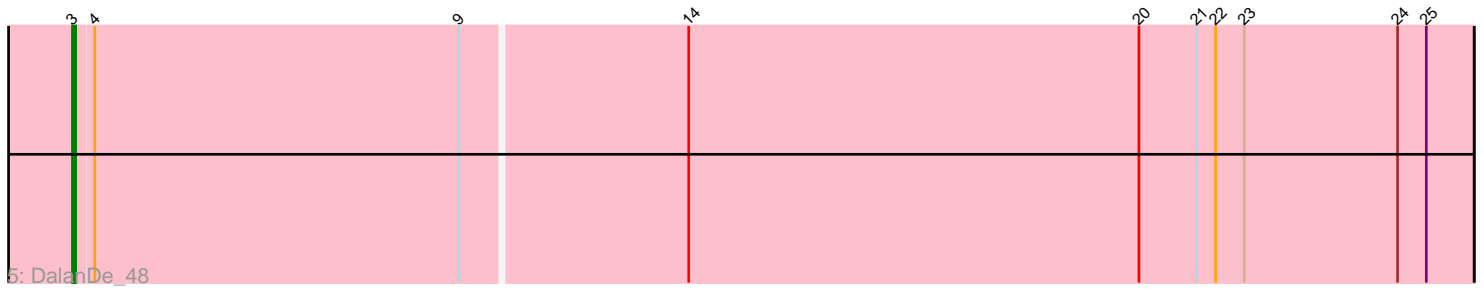
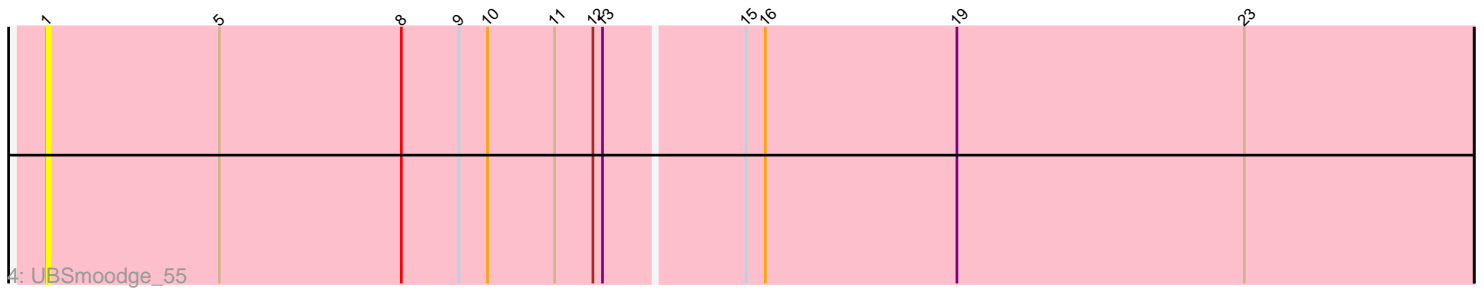
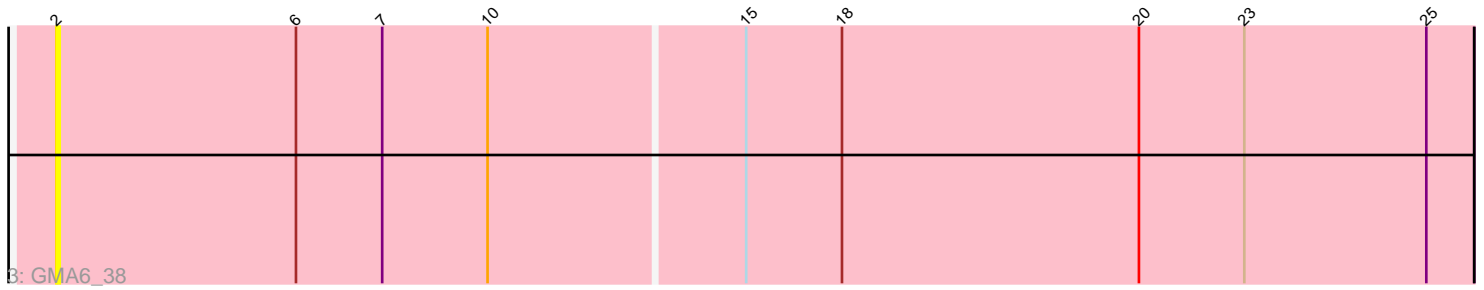
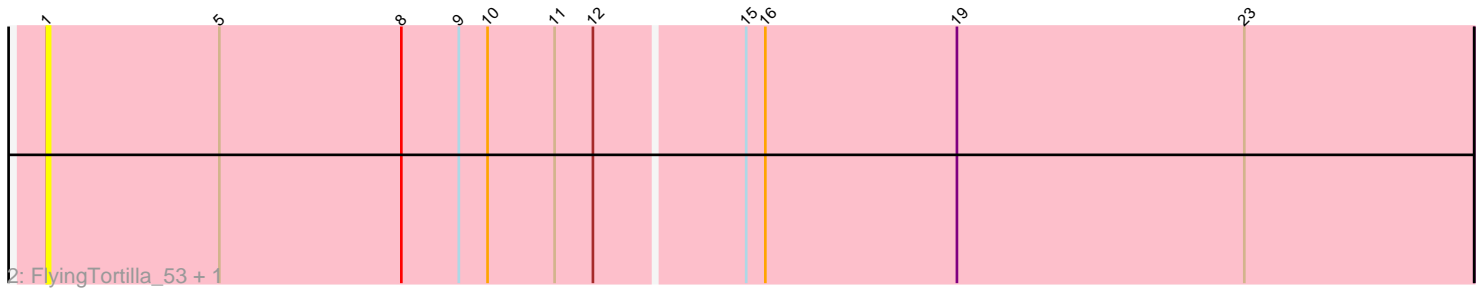
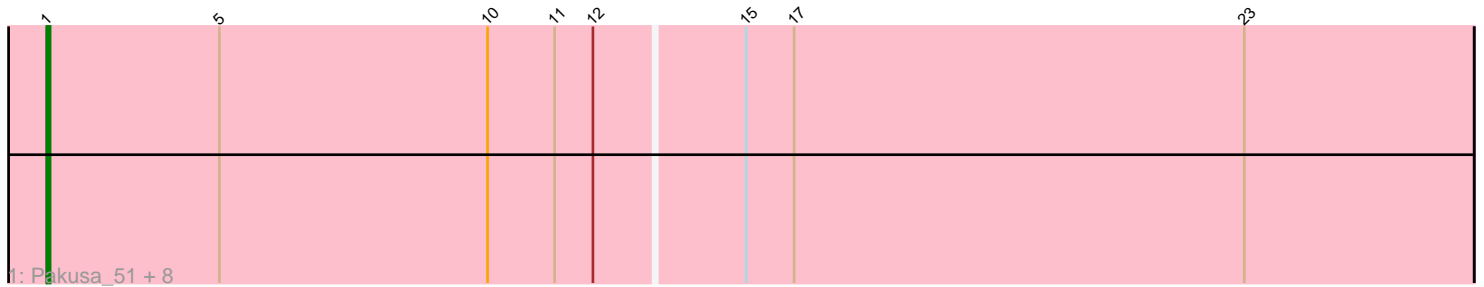


# Pham 8553



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 8553 Report

This analysis was run 04/05/24 on database version 557.

Pham number 8553 has 14 members, 7 are drafts.

Phages represented in each track:

- Track 1 : Pakusa\_51, Oogie\_53, Kabocha\_54, ChisanaKitsune\_49, Chidiebere\_53, Alok\_51, Hanem\_53, Gray\_53, Schomber\_52
- Track 2 : FlyingTortilla\_53, ScarletRaider\_52
- Track 3 : GMA6\_38
- Track 4 : UBSmoodge\_55
- Track 5 : DalanDe\_48

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

The start number called the most often in the published annotations is 1, it was called in 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alok\_51, Chidiebere\_53, ChisanaKitsune\_49, FlyingTortilla\_53, Gray\_53, Hanem\_53, Kabocha\_54, Oogie\_53, Pakusa\_51, ScarletRaider\_52, Schomber\_52, UBSmoodge\_55,

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

- 

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

- DalanDe\_48, GMA6\_38,

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

Start 1:

- Found in 12 of 14 ( 85.7% ) of genes in pham
- Manual Annotations of this start: 6 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alok\_51 (DQ), Chidiebere\_53 (DQ), ChisanaKitsune\_49 (DQ), FlyingTortilla\_53 (DQ), Gray\_53 (DQ), Hanem\_53 (DQ), Kabocha\_54 (DQ), Oogie\_53 (DQ), Pakusa\_51 (DQ), ScarletRaider\_52 (DQ), Schomber\_52 (DQ), UBSmoodge\_55 (DQ),

#### Start 2:

- Found in 1 of 14 ( 7.1% ) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GMA6\_38 (DQ),

#### Start 3:

- Found in 1 of 14 ( 7.1% ) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DalanDe\_48 (DQ),

### Summary by clusters:

There is one cluster represented in this pham: DQ

Info for manual annotations of cluster DQ:

- Start number 1 was manually annotated 6 times for cluster DQ.
- Start number 3 was manually annotated 1 time for cluster DQ.

### Gene Information:

Gene: Alok\_51 Start: 40932, Stop: 41375, Start Num: 1

Candidate Starts for Alok\_51:

(Start: 1 @40932 has 6 MA's), (5, 40986), (10, 41070), (11, 41091), (12, 41103), (15, 41148), (17, 41163), (23, 41304),

Gene: Chidiebere\_53 Start: 40932, Stop: 41375, Start Num: 1

Candidate Starts for Chidiebere\_53:

(Start: 1 @40932 has 6 MA's), (5, 40986), (10, 41070), (11, 41091), (12, 41103), (15, 41148), (17, 41163), (23, 41304),

Gene: ChisanaKitsune\_49 Start: 39723, Stop: 40166, Start Num: 1

Candidate Starts for ChisanaKitsune\_49:

(Start: 1 @39723 has 6 MA's), (5, 39777), (10, 39861), (11, 39882), (12, 39894), (15, 39939), (17, 39954), (23, 40095),

Gene: DalanDe\_48 Start: 43951, Stop: 44385, Start Num: 3

Candidate Starts for DalanDe\_48:

(Start: 3 @43951 has 1 MA's), (4, 43957), (9, 44071), (14, 44140), (20, 44281), (21, 44299), (22, 44305), (23, 44314), (24, 44362), (25, 44371),

Gene: FlyingTortilla\_53 Start: 44513, Stop: 44956, Start Num: 1

Candidate Starts for FlyingTortilla\_53:

(Start: 1 @44513 has 6 MA's), (5, 44567), (8, 44624), (9, 44642), (10, 44651), (11, 44672), (12, 44684), (15, 44729), (16, 44735), (19, 44795), (23, 44885),

Gene: GMA6\_38 Start: 32254, Stop: 32694, Start Num: 2

Candidate Starts for GMA6\_38:

(2, 32254), (6, 32329), (7, 32356), (10, 32389), (15, 32467), (18, 32497), (20, 32590), (23, 32623), (25, 32680),

Gene: Gray\_53 Start: 40933, Stop: 41376, Start Num: 1

Candidate Starts for Gray\_53:

(Start: 1 @40933 has 6 MA's), (5, 40987), (10, 41071), (11, 41092), (12, 41104), (15, 41149), (17, 41164), (23, 41305),

Gene: Hanem\_53 Start: 40932, Stop: 41375, Start Num: 1

Candidate Starts for Hanem\_53:

(Start: 1 @40932 has 6 MA's), (5, 40986), (10, 41070), (11, 41091), (12, 41103), (15, 41148), (17, 41163), (23, 41304),

Gene: Kabocha\_54 Start: 41745, Stop: 42188, Start Num: 1

Candidate Starts for Kabocha\_54:

(Start: 1 @41745 has 6 MA's), (5, 41799), (10, 41883), (11, 41904), (12, 41916), (15, 41961), (17, 41976), (23, 42117),

Gene: Oogie\_53 Start: 42638, Stop: 43081, Start Num: 1

Candidate Starts for Oogie\_53:

(Start: 1 @42638 has 6 MA's), (5, 42692), (10, 42776), (11, 42797), (12, 42809), (15, 42854), (17, 42869), (23, 43010),

Gene: Pakusa\_51 Start: 40674, Stop: 41117, Start Num: 1

Candidate Starts for Pakusa\_51:

(Start: 1 @40674 has 6 MA's), (5, 40728), (10, 40812), (11, 40833), (12, 40845), (15, 40890), (17, 40905), (23, 41046),

Gene: ScarletRaider\_52 Start: 43821, Stop: 44264, Start Num: 1

Candidate Starts for ScarletRaider\_52:

(Start: 1 @43821 has 6 MA's), (5, 43875), (8, 43932), (9, 43950), (10, 43959), (11, 43980), (12, 43992), (15, 44037), (16, 44043), (19, 44103), (23, 44193),

Gene: Schomber\_52 Start: 40682, Stop: 41125, Start Num: 1

Candidate Starts for Schomber\_52:

(Start: 1 @40682 has 6 MA's), (5, 40736), (10, 40820), (11, 40841), (12, 40853), (15, 40898), (17, 40913), (23, 41054),

Gene: UBSmoodge\_55 Start: 44279, Stop: 44722, Start Num: 1

Candidate Starts for UBSmoodge\_55:

(Start: 1 @44279 has 6 MA's), (5, 44333), (8, 44390), (9, 44408), (10, 44417), (11, 44438), (12, 44450), (13, 44453), (15, 44495), (16, 44501), (19, 44561), (23, 44651),