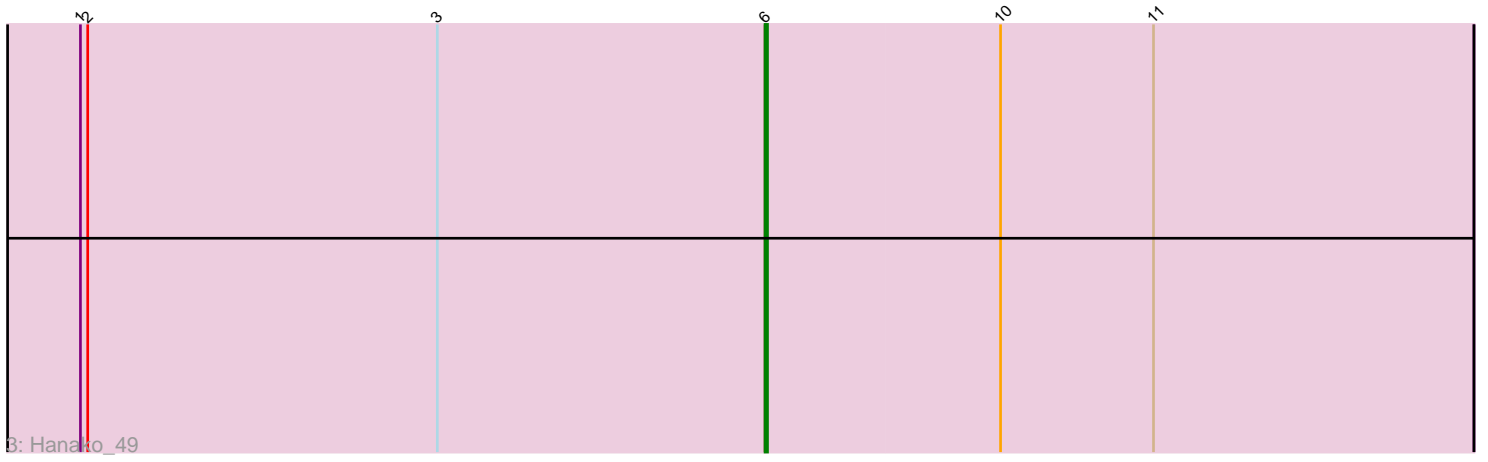
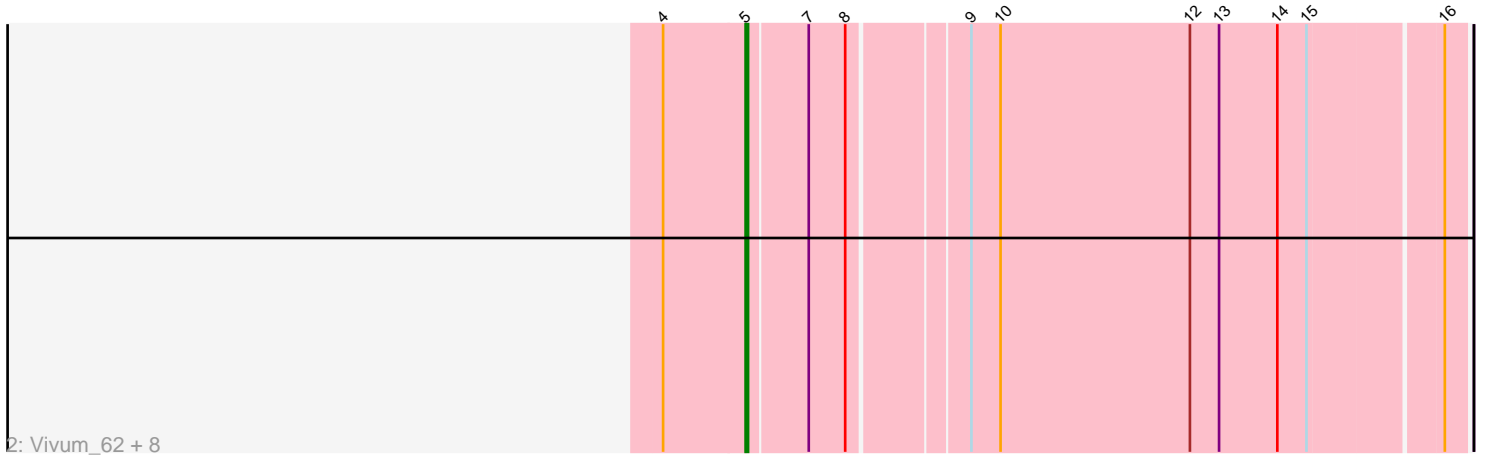
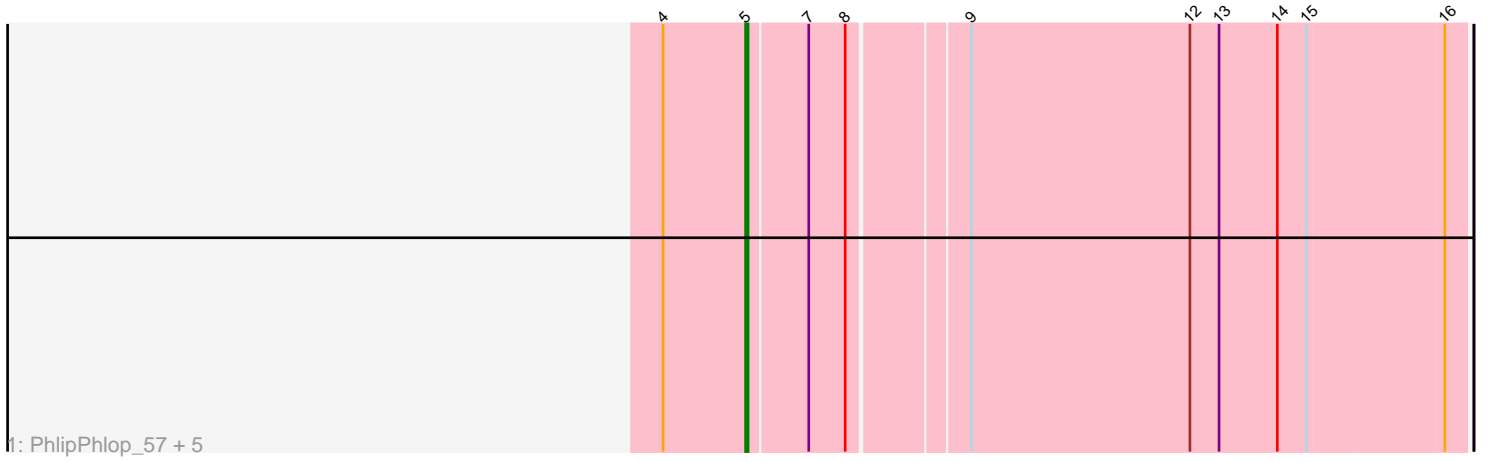


Pham 224972



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 224972 Report

This analysis was run 03/28/25 on database version 593.

Pham number 224972 has 16 members, 7 are drafts.

Phages represented in each track:

- Track 1 : PhlipPhlop\_57, DaWorst\_60, Eish\_63, EmiMonkey\_57, KingJulian\_56, Corium\_56
- Track 2 : Vivum\_62, Slim\_60, Emmaloid\_60, Mova\_60, LittleShirley\_58, SiSi\_57, Madiba\_57, Marker\_61, Dante\_60
- Track 3 : Hanako\_49

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

The start number called the most often in the published annotations is 5, it was called in 8 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Corium\_56, DaWorst\_60, Dante\_60, Eish\_63, EmiMonkey\_57, Emmaloid\_60, KingJulian\_56, LittleShirley\_58, Madiba\_57, Marker\_61, Mova\_60, PhlipPhlop\_57, SiSi\_57, Slim\_60, Vivum\_62,

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

- 

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

- Hanako\_49,

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

Start 5:

- Found in 15 of 16 ( 93.8% ) of genes in pham
- Manual Annotations of this start: 8 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Corium\_56 (F1), DaWorst\_60 (F1), Dante\_60 (F1), Eish\_63 (F1), EmiMonkey\_57 (F1), Emmaloid\_60 (F1), KingJulian\_56 (F1), LittleShirley\_58 (F1), Madiba\_57 (F1), Marker\_61 (F1), Mova\_60 (F1), PhlipPhlop\_57 (F1), SiSi\_57 (F1), Slim\_60 (F1), Vivum\_62 (F1),

Start 6:

- Found in 1 of 16 ( 6.2% ) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Hanako\_49 (N),

### **Summary by clusters:**

There are 2 clusters represented in this pham: F1, N,

Info for manual annotations of cluster F1:

- Start number 5 was manually annotated 8 times for cluster F1.

Info for manual annotations of cluster N:

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

### **Gene Information:**

Gene: Corium\_56 Start: 39051, Stop: 39335, Start Num: 5

Candidate Starts for Corium\_56:

(4, 39024), (Start: 5 @39051 has 8 MA's), (7, 39075), (8, 39090), (9, 39135), (12, 39225), (13, 39237), (14, 39261), (15, 39273), (16, 39327),

Gene: DaWorst\_60 Start: 40413, Stop: 40697, Start Num: 5

Candidate Starts for DaWorst\_60:

(4, 40386), (Start: 5 @40413 has 8 MA's), (7, 40437), (8, 40452), (9, 40497), (12, 40587), (13, 40599), (14, 40623), (15, 40635), (16, 40689),

Gene: Dante\_60 Start: 39936, Stop: 40220, Start Num: 5

Candidate Starts for Dante\_60:

(4, 39909), (Start: 5 @39936 has 8 MA's), (7, 39960), (8, 39975), (9, 40020), (10, 40032), (12, 40110), (13, 40122), (14, 40146), (15, 40158), (16, 40212),

Gene: Eish\_63 Start: 40928, Stop: 41212, Start Num: 5

Candidate Starts for Eish\_63:

(4, 40901), (Start: 5 @40928 has 8 MA's), (7, 40952), (8, 40967), (9, 41012), (12, 41102), (13, 41114), (14, 41138), (15, 41150), (16, 41204),

Gene: EmiMonkey\_57 Start: 41642, Stop: 41926, Start Num: 5

Candidate Starts for EmiMonkey\_57:

(4, 41615), (Start: 5 @41642 has 8 MA's), (7, 41666), (8, 41681), (9, 41726), (12, 41816), (13, 41828), (14, 41852), (15, 41864), (16, 41918),

Gene: Emmaloid\_60 Start: 40738, Stop: 41022, Start Num: 5

Candidate Starts for Emmaloid\_60:

(4, 40711), (Start: 5 @40738 has 8 MA's), (7, 40762), (8, 40777), (9, 40822), (10, 40834), (12, 40912), (13, 40924), (14, 40948), (15, 40960), (16, 41014),

Gene: Hanako\_49 Start: 32626, Stop: 32916, Start Num: 6

Candidate Starts for Hanako\_49:

(1, 32344), (2, 32347), (3, 32491), (Start: 6 @32626 has 1 MA's), (10, 32722), (11, 32785),

Gene: KingJulian\_56 Start: 39051, Stop: 39335, Start Num: 5

Candidate Starts for KingJulian\_56:

(4, 39024), (Start: 5 @39051 has 8 MA's), (7, 39075), (8, 39090), (9, 39135), (12, 39225), (13, 39237), (14, 39261), (15, 39273), (16, 39327),

Gene: LittleShirley\_58 Start: 40469, Stop: 40753, Start Num: 5

Candidate Starts for LittleShirley\_58:

(4, 40442), (Start: 5 @40469 has 8 MA's), (7, 40493), (8, 40508), (9, 40553), (10, 40565), (12, 40643), (13, 40655), (14, 40679), (15, 40691), (16, 40745),

Gene: Madiba\_57 Start: 39006, Stop: 39290, Start Num: 5

Candidate Starts for Madiba\_57:

(4, 38979), (Start: 5 @39006 has 8 MA's), (7, 39030), (8, 39045), (9, 39090), (10, 39102), (12, 39180), (13, 39192), (14, 39216), (15, 39228), (16, 39282),

Gene: Marker\_61 Start: 40100, Stop: 40384, Start Num: 5

Candidate Starts for Marker\_61:

(4, 40073), (Start: 5 @40100 has 8 MA's), (7, 40124), (8, 40139), (9, 40184), (10, 40196), (12, 40274), (13, 40286), (14, 40310), (15, 40322), (16, 40376),

Gene: Mova\_60 Start: 39510, Stop: 39794, Start Num: 5

Candidate Starts for Mova\_60:

(4, 39483), (Start: 5 @39510 has 8 MA's), (7, 39534), (8, 39549), (9, 39594), (10, 39606), (12, 39684), (13, 39696), (14, 39720), (15, 39732), (16, 39786),

Gene: PhlipPhlop\_57 Start: 41642, Stop: 41926, Start Num: 5

Candidate Starts for PhlipPhlop\_57:

(4, 41615), (Start: 5 @41642 has 8 MA's), (7, 41666), (8, 41681), (9, 41726), (12, 41816), (13, 41828), (14, 41852), (15, 41864), (16, 41918),

Gene: SiSi\_57 Start: 39342, Stop: 39626, Start Num: 5

Candidate Starts for SiSi\_57:

(4, 39315), (Start: 5 @39342 has 8 MA's), (7, 39366), (8, 39381), (9, 39426), (10, 39438), (12, 39516), (13, 39528), (14, 39552), (15, 39564), (16, 39618),

Gene: Slim\_60 Start: 40729, Stop: 41013, Start Num: 5

Candidate Starts for Slim\_60:

(4, 40702), (Start: 5 @40729 has 8 MA's), (7, 40753), (8, 40768), (9, 40813), (10, 40825), (12, 40903), (13, 40915), (14, 40939), (15, 40951), (16, 41005),

Gene: Vivum\_62 Start: 40254, Stop: 40535, Start Num: 5

Candidate Starts for Vivum\_62:

(4, 40227), (Start: 5 @40254 has 8 MA's), (7, 40278), (8, 40293), (9, 40338), (10, 40350), (12, 40428), (13, 40440), (14, 40464), (15, 40476), (16, 40527),