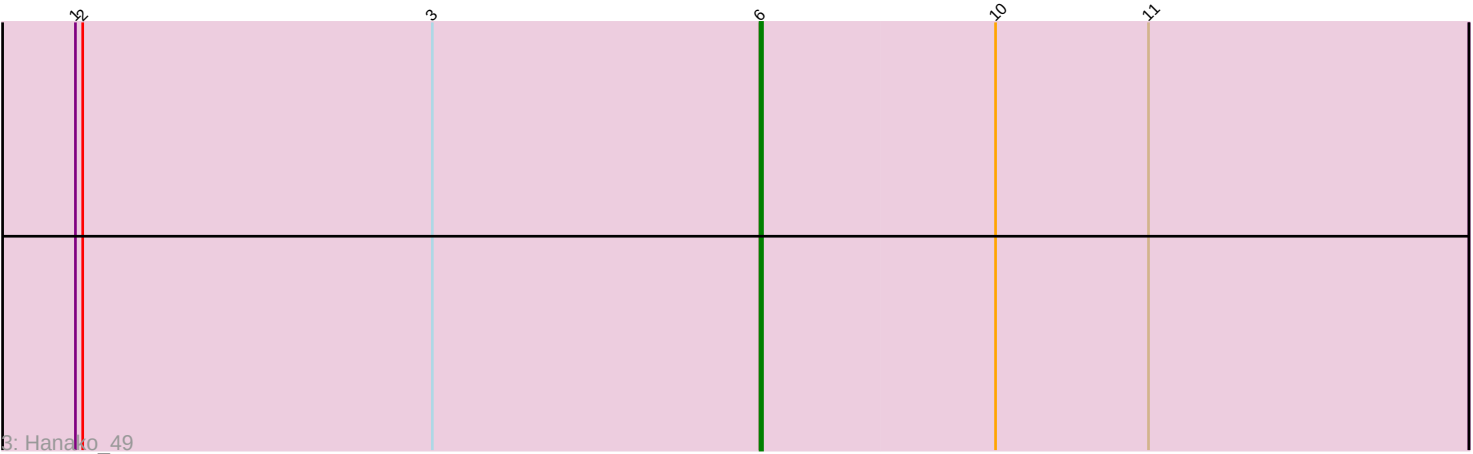
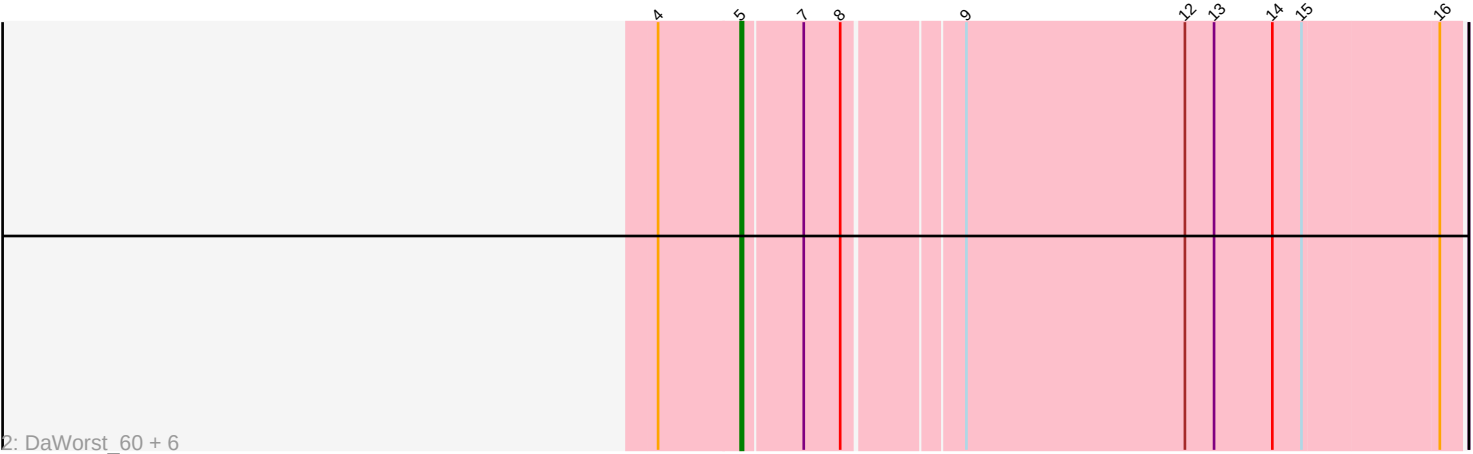
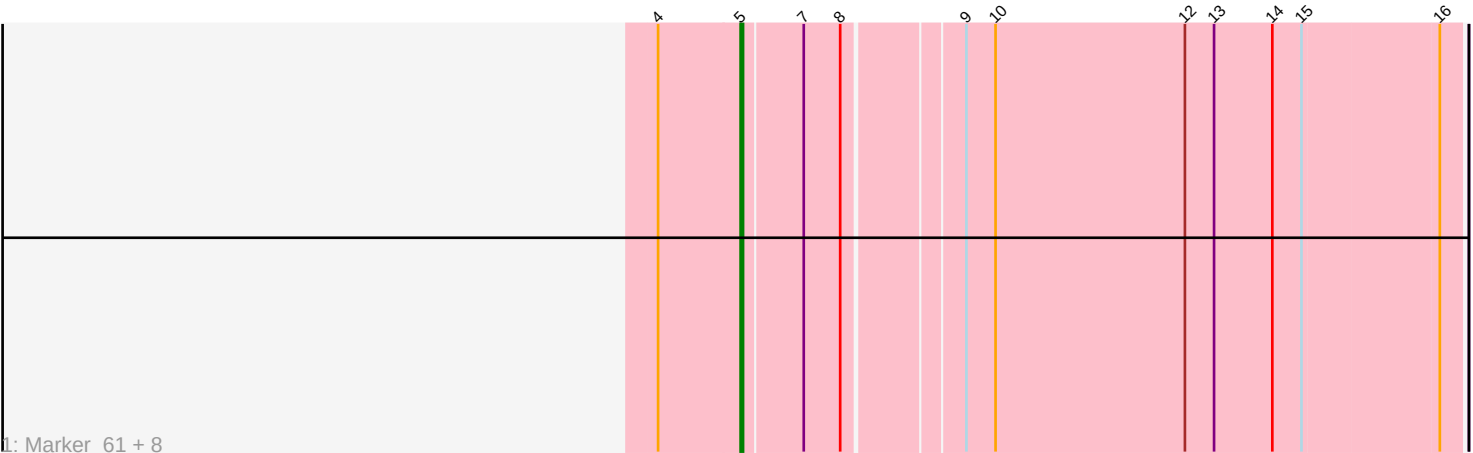




Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 280970 Report

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

Pham number 280970 has 17 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Marker_61, Vivum_62, Slim_60, Mova_60, LittleShirley_58, SiSi_57, Madiba_57, Dante_60, Emmaloid_60
- Track 2 : DaWorst_60, PhilipPhlop_59, KingJulian_59, Eish_63, PatoPoderoso_56, EmiMonkey_57, Corium_56
- 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 12 of the 13 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_59, LittleShirley_58, Madiba_57, Marker_61, Mova_60, PatoPoderoso_56, PhilipPhlop_59, 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 16 of 17 (94.1%) of genes in pham
- Manual Annotations of this start: 12 of 13
- 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_59 (F1), LittleShirley_58 (F1), Madiba_57 (F1), Marker_61 (F1), Mova_60 (F1), PatoPoderoso_56 (F1), PhilipPhlop_59 (F1), SiSi_57 (F1), Slim_60 (F1), Vivum_62 (F1),

Start 6:

- Found in 1 of 17 (5.9%) of genes in pham
- Manual Annotations of this start: 1 of 13
- 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 12 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 12 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 12 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 12 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 12 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 12 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 12 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_59 Start: 39051, Stop: 39335, Start Num: 5

Candidate Starts for KingJulian_59:

(4, 39024), (Start: 5 @39051 has 12 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 12 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 12 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 12 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 12 MA's), (7, 39534), (8, 39549), (9, 39594), (10, 39606), (12, 39684), (13, 39696), (14, 39720), (15, 39732), (16, 39786),

Gene: PatoPoderoso_56 Start: 39051, Stop: 39335, Start Num: 5

Candidate Starts for PatoPoderoso_56:

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

Gene: PhlipPhlop_59 Start: 41642, Stop: 41926, Start Num: 5

Candidate Starts for PhlipPhlop_59:

(4, 41615), (Start: 5 @41642 has 12 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 12 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 12 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 12 MA's), (7, 40278), (8, 40293), (9, 40338), (10, 40350), (12, 40428), (13, 40440), (14, 40464), (15, 40476), (16, 40527),