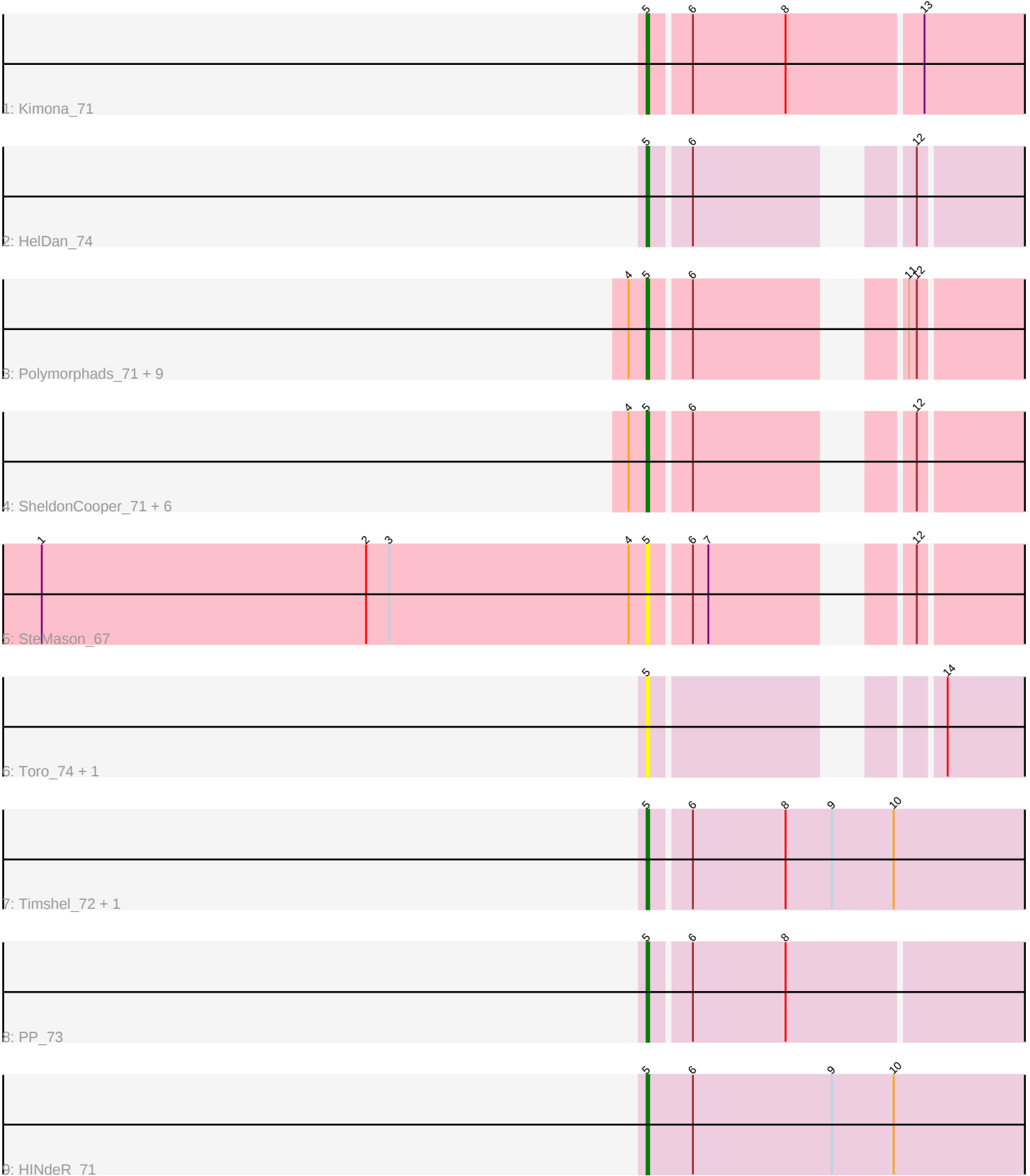


Pham 280801



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 280801 Report

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

Pham number 280801 has 26 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Kimona_71
- Track 2 : HelDan_74
- Track 3 : Polymorphads_71, TroyPia_72, LeoAvram_70, Maxo_73, Eurydice_72, Eagle_70, Nebs_72, Ohfah_72, Kampy_70, CentreCat_71
- Track 4 : SheldonCooper_71, Cindaradix_67, Obama12_72, Shaka_69, Happiness_70, JetBlade_71, Cerulean_72
- Track 5 : SteMason_67
- Track 6 : Toro_74, FlyCatcher_76
- Track 7 : Timshel_72, DroogsArmy_71
- Track 8 : PP_73
- Track 9 : HINdeR_71

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 23 of the 23 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- CentreCat_71, Cerulean_72, Cindaradix_67, DroogsArmy_71, Eagle_70, Eurydice_72, FlyCatcher_76, HINdeR_71, Happiness_70, HelDan_74, JetBlade_71, Kampy_70, Kimona_71, LeoAvram_70, Maxo_73, Nebs_72, Obama12_72, Ohfah_72, PP_73, Polymorphads_71, Shaka_69, SheldonCooper_71, SteMason_67, Timshel_72, Toro_74, TroyPia_72,

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 5:

- Found in 26 of 26 (100.0%) of genes in pham

- Manual Annotations of this start: 23 of 23
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CentreCat_71 (A4), Cerulean_72 (A4), Cindaradix_67 (A4), DroogsArmy_71 (A7), Eagle_70 (A4), Eurydice_72 (A4), FlyCatcher_76 (A7), HINdeR_71 (A7), Happiness_70 (A4), HelDan_74 (A3), JetBlade_71 (A4), Kampy_70 (A4), Kimona_71 (A19), LeoAvram_70 (A4), Maxo_73 (A4), Nebs_72 (A4), Obama12_72 (A4), Ohfah_72 (A4), PP_73 (A7), Polymorphads_71 (A4), Shaka_69 (A4), SheldonCooper_71 (A4), SteMason_67 (A4), Timshel_72 (A7), Toro_74 (A7), TroyPia_72 (A4),

Summary by clusters:

There are 4 clusters represented in this pham: A3, A19, A4, A7,

Info for manual annotations of cluster A19:

- Start number 5 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A3:

- Start number 5 was manually annotated 1 time for cluster A3.

Info for manual annotations of cluster A4:

- Start number 5 was manually annotated 17 times for cluster A4.

Info for manual annotations of cluster A7:

- Start number 5 was manually annotated 4 times for cluster A7.

Gene Information:

Gene: CentreCat_71 Start: 44547, Stop: 44419, Start Num: 5

Candidate Starts for CentreCat_71:

(4, 44553), (Start: 5 @44547 has 23 MA's), (6, 44532), (11, 44469), (12, 44466),

Gene: Cerulean_72 Start: 44945, Stop: 44817, Start Num: 5

Candidate Starts for Cerulean_72:

(4, 44951), (Start: 5 @44945 has 23 MA's), (6, 44930), (12, 44864),

Gene: Cindaradix_67 Start: 44408, Stop: 44280, Start Num: 5

Candidate Starts for Cindaradix_67:

(4, 44414), (Start: 5 @44408 has 23 MA's), (6, 44393), (12, 44327),

Gene: DroogsArmy_71 Start: 47818, Stop: 47669, Start Num: 5

Candidate Starts for DroogsArmy_71:

(Start: 5 @47818 has 23 MA's), (6, 47803), (8, 47767), (9, 47749), (10, 47725),

Gene: Eagle_70 Start: 44569, Stop: 44441, Start Num: 5

Candidate Starts for Eagle_70:

(4, 44575), (Start: 5 @44569 has 23 MA's), (6, 44554), (11, 44491), (12, 44488),

Gene: Eurydice_72 Start: 44544, Stop: 44416, Start Num: 5

Candidate Starts for Eurydice_72:

(4, 44550), (Start: 5 @44544 has 23 MA's), (6, 44529), (11, 44466), (12, 44463),

Gene: FlyCatcher_76 Start: 48604, Stop: 48464, Start Num: 5

Candidate Starts for FlyCatcher_76:

(Start: 5 @48604 has 23 MA's), (14, 48514),

Gene: HINdeR_71 Start: 47193, Stop: 47041, Start Num: 5

Candidate Starts for HINdeR_71:

(Start: 5 @47193 has 23 MA's), (6, 47175), (9, 47121), (10, 47097),

Gene: Happiness_70 Start: 44527, Stop: 44399, Start Num: 5

Candidate Starts for Happiness_70:

(4, 44533), (Start: 5 @44527 has 23 MA's), (6, 44512), (12, 44446),

Gene: HelDan_74 Start: 45018, Stop: 44890, Start Num: 5

Candidate Starts for HelDan_74:

(Start: 5 @45018 has 23 MA's), (6, 45003), (12, 44937),

Gene: JetBlade_71 Start: 44535, Stop: 44407, Start Num: 5

Candidate Starts for JetBlade_71:

(4, 44541), (Start: 5 @44535 has 23 MA's), (6, 44520), (12, 44454),

Gene: Kampy_70 Start: 44510, Stop: 44382, Start Num: 5

Candidate Starts for Kampy_70:

(4, 44516), (Start: 5 @44510 has 23 MA's), (6, 44495), (11, 44432), (12, 44429),

Gene: Kimona_71 Start: 43589, Stop: 43443, Start Num: 5

Candidate Starts for Kimona_71:

(Start: 5 @43589 has 23 MA's), (6, 43574), (8, 43538), (13, 43487),

Gene: LeoAvram_70 Start: 44538, Stop: 44410, Start Num: 5

Candidate Starts for LeoAvram_70:

(4, 44544), (Start: 5 @44538 has 23 MA's), (6, 44523), (11, 44460), (12, 44457),

Gene: Maxo_73 Start: 44510, Stop: 44382, Start Num: 5

Candidate Starts for Maxo_73:

(4, 44516), (Start: 5 @44510 has 23 MA's), (6, 44495), (11, 44432), (12, 44429),

Gene: Nebs_72 Start: 44547, Stop: 44419, Start Num: 5

Candidate Starts for Nebs_72:

(4, 44553), (Start: 5 @44547 has 23 MA's), (6, 44532), (11, 44469), (12, 44466),

Gene: Obama12_72 Start: 44928, Stop: 44800, Start Num: 5

Candidate Starts for Obama12_72:

(4, 44934), (Start: 5 @44928 has 23 MA's), (6, 44913), (12, 44847),

Gene: Ohfah_72 Start: 44547, Stop: 44419, Start Num: 5

Candidate Starts for Ohfah_72:

(4, 44553), (Start: 5 @44547 has 23 MA's), (6, 44532), (11, 44469), (12, 44466),

Gene: PP_73 Start: 49011, Stop: 48865, Start Num: 5

Candidate Starts for PP_73:

(Start: 5 @49011 has 23 MA's), (6, 48996), (8, 48960),

Gene: Polymorphads_71 Start: 44528, Stop: 44400, Start Num: 5
Candidate Starts for Polymorphads_71:
(4, 44534), (Start: 5 @44528 has 23 MA's), (6, 44513), (11, 44450), (12, 44447),

Gene: Shaka_69 Start: 44505, Stop: 44377, Start Num: 5
Candidate Starts for Shaka_69:
(4, 44511), (Start: 5 @44505 has 23 MA's), (6, 44490), (12, 44424),

Gene: SheldonCooper_71 Start: 44945, Stop: 44817, Start Num: 5
Candidate Starts for SheldonCooper_71:
(4, 44951), (Start: 5 @44945 has 23 MA's), (6, 44930), (12, 44864),

Gene: SteMason_67 Start: 44507, Stop: 44379, Start Num: 5
Candidate Starts for SteMason_67:
(1, 44741), (2, 44615), (3, 44606), (4, 44513), (Start: 5 @44507 has 23 MA's), (6, 44492), (7, 44486),
(12, 44426),

Gene: Timshel_72 Start: 47629, Stop: 47480, Start Num: 5
Candidate Starts for Timshel_72:
(Start: 5 @47629 has 23 MA's), (6, 47614), (8, 47578), (9, 47560), (10, 47536),

Gene: Toro_74 Start: 48604, Stop: 48464, Start Num: 5
Candidate Starts for Toro_74:
(Start: 5 @48604 has 23 MA's), (14, 48514),

Gene: TroyPia_72 Start: 44542, Stop: 44414, Start Num: 5
Candidate Starts for TroyPia_72:
(4, 44548), (Start: 5 @44542 has 23 MA's), (6, 44527), (11, 44464), (12, 44461),