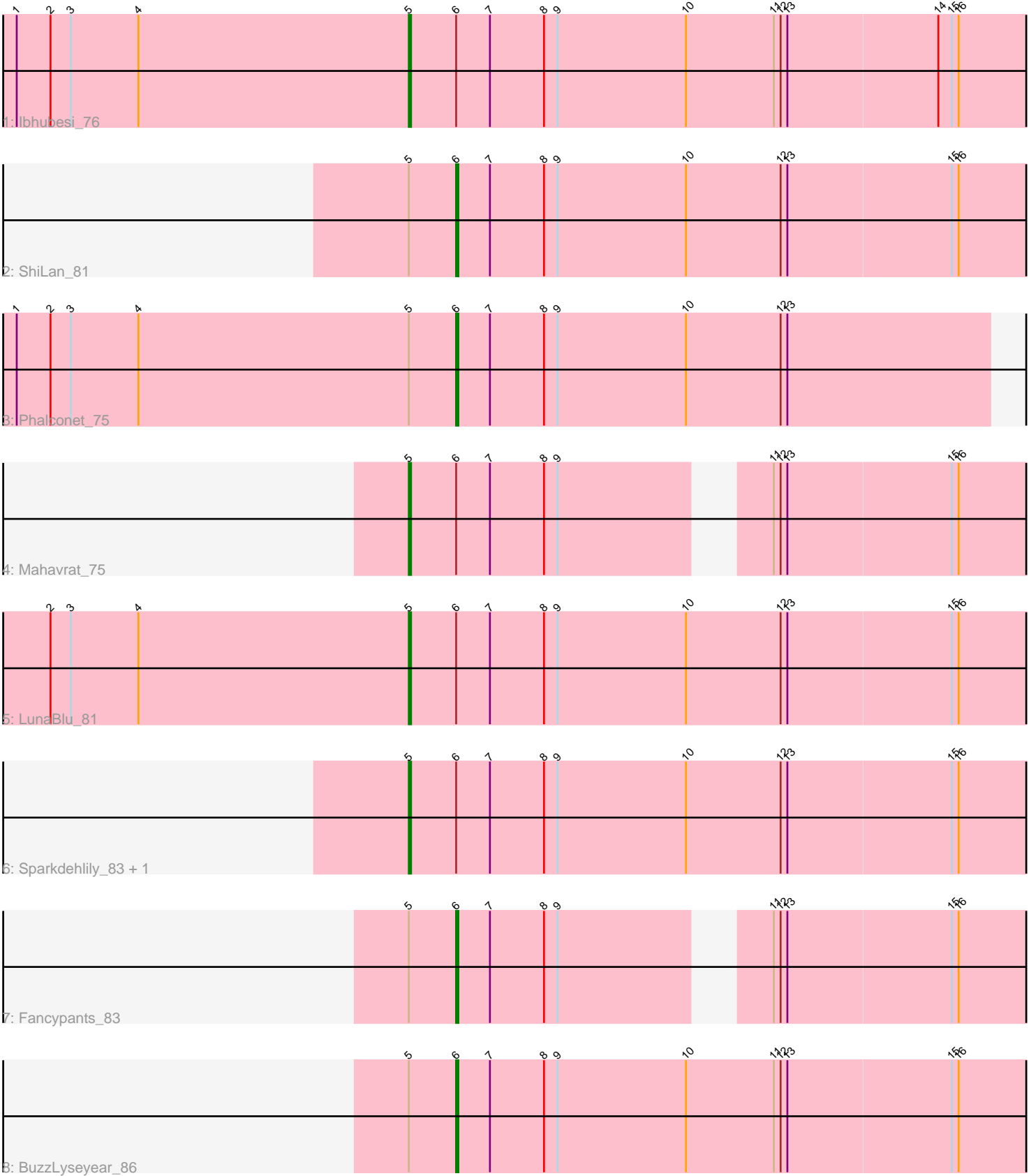


Pham 6495



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 6495 Report

This analysis was run 04/28/24 on database version 559.

Pham number 6495 has 9 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Ibhubesi_76
- Track 2 : ShiLan_81
- Track 3 : Phalconet_75
- Track 4 : Mahavrat_75
- Track 5 : LunaBlu_81
- Track 6 : Sparkdehlily_83, TDanisky_84
- Track 7 : Fancypants_83
- Track 8 : BuzzLyseyear_86

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 5 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ibhubesi_76, LunaBlu_81, Mahavrat_75, Sparkdehlily_83, TDanisky_84,

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

- BuzzLyseyear_86, Fancypants_83, Phalconet_75, ShiLan_81,

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

-

Summary by start number:

Start 5:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 5 of 9
- Called 55.6% of time when present
- Phage (with cluster) where this start called: Ibhubesi_76 (F1), LunaBlu_81 (F1), Mahavrat_75 (F1), Sparkdehlily_83 (F1), TDanisky_84 (F1),

Start 6:

- Found in 9 of 9 (100.0%) of genes in pham

- Manual Annotations of this start: 4 of 9
- Called 44.4% of time when present
- Phage (with cluster) where this start called: BuzzLyseyear_86 (F1), Fancypants_83 (F1), Phalconet_75 (F1), ShiLan_81 (F1),

Summary by clusters:

There is one cluster represented in this pham: F1

Info for manual annotations of cluster F1:

- Start number 5 was manually annotated 5 times for cluster F1.
- Start number 6 was manually annotated 4 times for cluster F1.

Gene Information:

Gene: BuzzLyseyear_86 Start: 51223, Stop: 51495, Start Num: 6

Candidate Starts for BuzzLyseyear_86:

(Start: 5 @51202 has 5 MA's), (Start: 6 @51223 has 4 MA's), (7, 51238), (8, 51262), (9, 51268), (10, 51325), (11, 51364), (12, 51367), (13, 51370), (15, 51442), (16, 51445),

Gene: Fancypants_83 Start: 49983, Stop: 50234, Start Num: 6

Candidate Starts for Fancypants_83:

(Start: 5 @49962 has 5 MA's), (Start: 6 @49983 has 4 MA's), (7, 49998), (8, 50022), (9, 50028), (11, 50103), (12, 50106), (13, 50109), (15, 50181), (16, 50184),

Gene: Ibhubesi_76 Start: 45714, Stop: 46007, Start Num: 5

Candidate Starts for Ibhubesi_76:

(1, 45540), (2, 45555), (3, 45564), (4, 45594), (Start: 5 @45714 has 5 MA's), (Start: 6 @45735 has 4 MA's), (7, 45750), (8, 45774), (9, 45780), (10, 45837), (11, 45876), (12, 45879), (13, 45882), (14, 45948), (15, 45954), (16, 45957),

Gene: LunaBlu_81 Start: 48610, Stop: 48903, Start Num: 5

Candidate Starts for LunaBlu_81:

(2, 48451), (3, 48460), (4, 48490), (Start: 5 @48610 has 5 MA's), (Start: 6 @48631 has 4 MA's), (7, 48646), (8, 48670), (9, 48676), (10, 48733), (12, 48775), (13, 48778), (15, 48850), (16, 48853),

Gene: Mahavrat_75 Start: 45983, Stop: 46255, Start Num: 5

Candidate Starts for Mahavrat_75:

(Start: 5 @45983 has 5 MA's), (Start: 6 @46004 has 4 MA's), (7, 46019), (8, 46043), (9, 46049), (11, 46124), (12, 46127), (13, 46130), (15, 46202), (16, 46205),

Gene: Phalconet_75 Start: 47067, Stop: 47303, Start Num: 6

Candidate Starts for Phalconet_75:

(1, 46872), (2, 46887), (3, 46896), (4, 46926), (Start: 5 @47046 has 5 MA's), (Start: 6 @47067 has 4 MA's), (7, 47082), (8, 47106), (9, 47112), (10, 47169), (12, 47211), (13, 47214),

Gene: ShiLan_81 Start: 50983, Stop: 51255, Start Num: 6

Candidate Starts for ShiLan_81:

(Start: 5 @50962 has 5 MA's), (Start: 6 @50983 has 4 MA's), (7, 50998), (8, 51022), (9, 51028), (10, 51085), (12, 51127), (13, 51130), (15, 51202), (16, 51205),

Gene: Sparkdehlily_83 Start: 46905, Stop: 47198, Start Num: 5

Candidate Starts for Sparkdehlily_83:

(Start: 5 @46905 has 5 MA's), (Start: 6 @46926 has 4 MA's), (7, 46941), (8, 46965), (9, 46971), (10, 47028), (12, 47070), (13, 47073), (15, 47145), (16, 47148),

Gene: TDanisky_84 Start: 46905, Stop: 47198, Start Num: 5

Candidate Starts for TDanisky_84:

(Start: 5 @46905 has 5 MA's), (Start: 6 @46926 has 4 MA's), (7, 46941), (8, 46965), (9, 46971), (10, 47028), (12, 47070), (13, 47073), (15, 47145), (16, 47148),