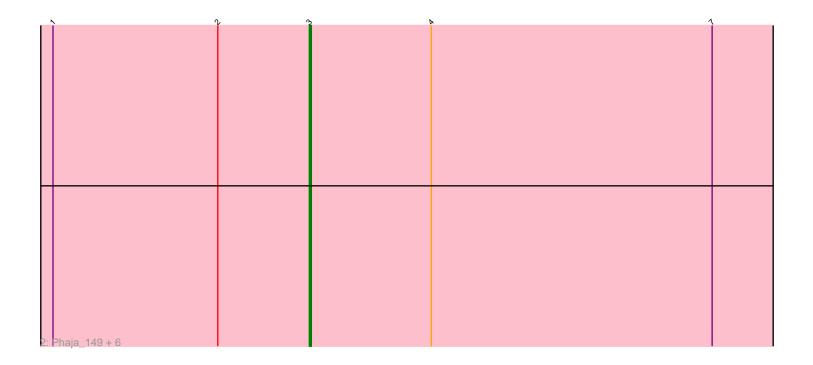
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и.	HOP_149				
Ι.	11105_149				



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 87976 Report

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

Pham number 87976 has 8 members, 2 are drafts.

Phages represented in each track:

Track 1: IHOP 149

• Track 2 : Phaja\_149, Stank\_148, Quallification\_144, AmericanBeauty\_152,

TBrady12\_149, ShereKhan\_143, StellaBean\_139

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

The start number called the most often in the published annotations is 3, it was called in 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

• AmericanBeauty\_152, IHOP\_149, Phaja\_149, Quallification\_144, ShereKhan\_143, Stank\_148, StellaBean\_139, TBrady12\_149,

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 3:

- Found in 8 of 8 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 6 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AmericanBeauty\_152 (E), IHOP\_149 (E), Phaja\_149 (E), Quallification\_144 (E), ShereKhan\_143 (E), Stank\_148 (E), StellaBean\_139 (E), TBrady12\_149 (E),

### Summary by clusters:

There is one cluster represented in this pham: E

Info for manual annotations of cluster E:

•Start number 3 was manually annotated 6 times for cluster E.

#### Gene Information:

Gene: AmericanBeauty\_152 Start: 74147, Stop: 74380, Start Num: 3

Candidate Starts for AmericanBeauty\_152:

(1, 74021), (2, 74102), (Start: 3 @74147 has 6 MA's), (4, 74207), (7, 74345),

Gene: IHOP\_149 Start: 74580, Stop: 74801, Start Num: 3

Candidate Starts for IHOP 149:

(1, 74454), (2, 74535), (Start: 3 @74580 has 6 MA's), (5, 74703), (6, 74724), (7, 74766),

Gene: Phaja\_149 Start: 74585, Stop: 74818, Start Num: 3

Candidate Starts for Phaja\_149:

(1, 74459), (2, 74540), (Start: 3 @74585 has 6 MA's), (4, 74645), (7, 74783),

Gene: Quallification\_144 Start: 74808, Stop: 75041, Start Num: 3

Candidate Starts for Quallification\_144:

(1, 74682), (2, 74763), (Start: 3 @74808 has 6 MA's), (4, 74868), (7, 75006),

Gene: ShereKhan\_143 Start: 75033, Stop: 75266, Start Num: 3

Candidate Starts for ShereKhan 143:

(1, 74907), (2, 74988), (Start: 3 @75033 has 6 MA's), (4, 75093), (7, 75231),

Gene: Stank\_148 Start: 74822, Stop: 75055, Start Num: 3

Candidate Starts for Stank\_148:

(1, 74696), (2, 74777), (Start: 3 @74822 has 6 MA's), (4, 74882), (7, 75020),

Gene: StellaBean\_139 Start: 74621, Stop: 74854, Start Num: 3

Candidate Starts for StellaBean 139:

(1, 74495), (2, 74576), (Start: 3 @74621 has 6 MA's), (4, 74681), (7, 74819),

Gene: TBrady12 149 Start: 74259, Stop: 74492, Start Num: 3

Candidate Starts for TBrady12\_149:

(1, 74133), (2, 74214), (Start: 3 @74259 has 6 MA's), (4, 74319), (7, 74457),