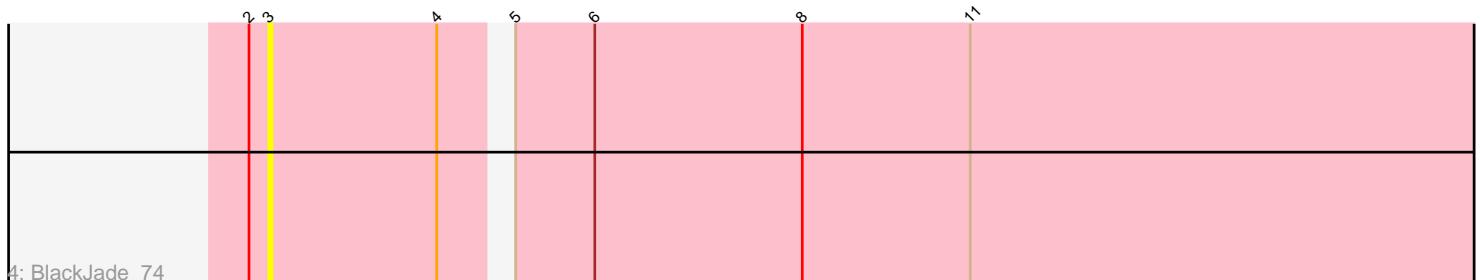
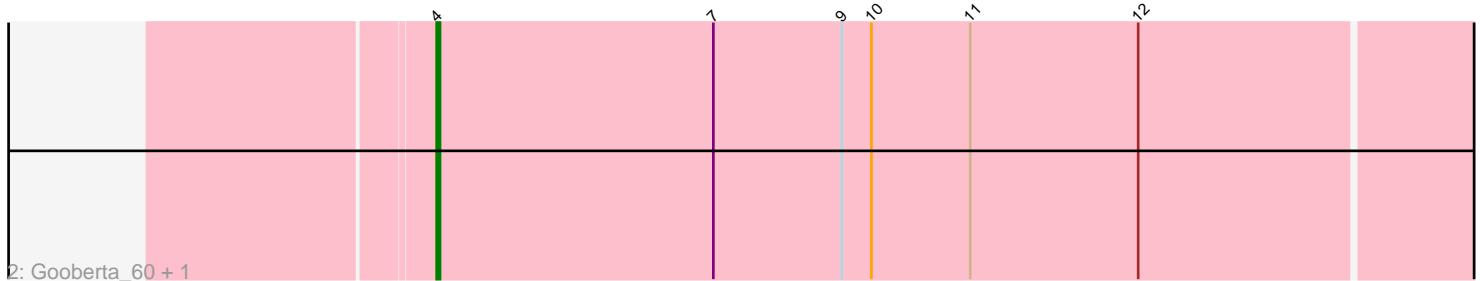
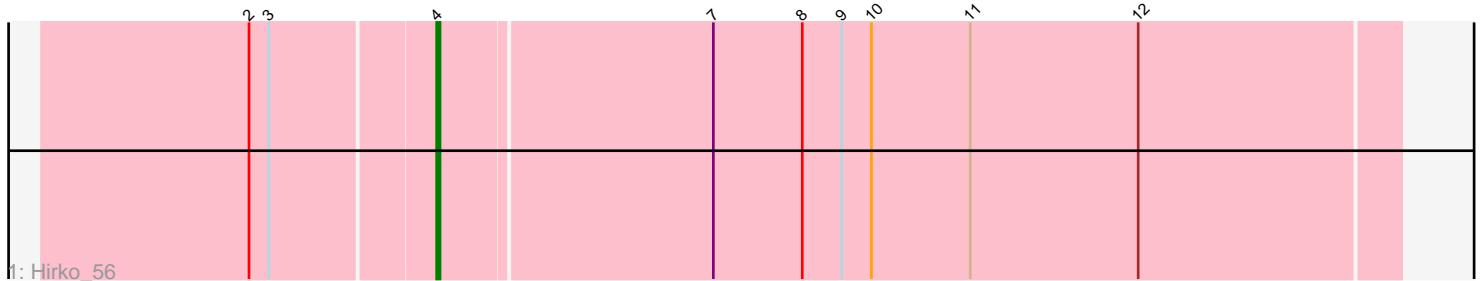


Pham 276890



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 276890 Report

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

Pham number 276890 has 7 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Hirko_56
- Track 2 : Gooberta_60, GoldDust_60
- Track 3 : Orkz_66
- Track 4 : BlackJade_74
- Track 5 : Vibaki_59, Music_60

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

The start number called the most often in the published annotations is 4, it was called in 3 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- GoldDust_60, Gooberta_60, Hirko_56, Music_60, Orkz_66, Vibaki_59,

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

- BlackJade_74,

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

-

Summary by start number:

Start 3:

- Found in 2 of 7 (28.6%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: BlackJade_74 (FL),

Start 4:

- Found in 7 of 7 (100.0%) of genes in pham
- Manual Annotations of this start: 3 of 3
- Called 85.7% of time when present
- Phage (with cluster) where this start called: GoldDust_60 (FL), Gooberta_60 (FL), Hirko_56 (FL), Music_60 (FL), Orkz_66 (FL), Vibaki_59 (FL),

Summary by clusters:

There is one cluster represented in this pham: FL

Info for manual annotations of cluster FL:

- Start number 4 was manually annotated 3 times for cluster FL.

Gene Information:

Gene: BlackJade_74 Start: 41587, Stop: 42027, Start Num: 3

Candidate Starts for BlackJade_74:

(2, 41581), (3, 41587), (Start: 4 @41638 has 3 MA's), (5, 41653), (6, 41677), (8, 41740), (11, 41791),

Gene: GoldDust_60 Start: 41386, Stop: 41760, Start Num: 4

Candidate Starts for GoldDust_60:

(Start: 4 @41386 has 3 MA's), (7, 41470), (9, 41509), (10, 41518), (11, 41548), (12, 41599),

Gene: Gooberta_60 Start: 42006, Stop: 42380, Start Num: 4

Candidate Starts for Gooberta_60:

(Start: 4 @42006 has 3 MA's), (7, 42090), (9, 42129), (10, 42138), (11, 42168), (12, 42219),

Gene: Hirko_56 Start: 40649, Stop: 40936, Start Num: 4

Candidate Starts for Hirko_56:

(2, 40595), (3, 40601), (Start: 4 @40649 has 3 MA's), (7, 40730), (8, 40757), (9, 40769), (10, 40778), (11, 40808), (12, 40859),

Gene: Music_60 Start: 41182, Stop: 41556, Start Num: 4

Candidate Starts for Music_60:

(Start: 4 @41182 has 3 MA's), (7, 41266), (10, 41314), (11, 41344), (12, 41395),

Gene: Orkz_66 Start: 39496, Stop: 39783, Start Num: 4

Candidate Starts for Orkz_66:

(1, 39397), (Start: 4 @39496 has 3 MA's), (5, 39511), (6, 39535), (11, 39649), (13, 39712), (14, 39772),

Gene: Vibaki_59 Start: 40744, Stop: 41118, Start Num: 4

Candidate Starts for Vibaki_59:

(Start: 4 @40744 has 3 MA's), (7, 40828), (10, 40876), (11, 40906), (12, 40957),