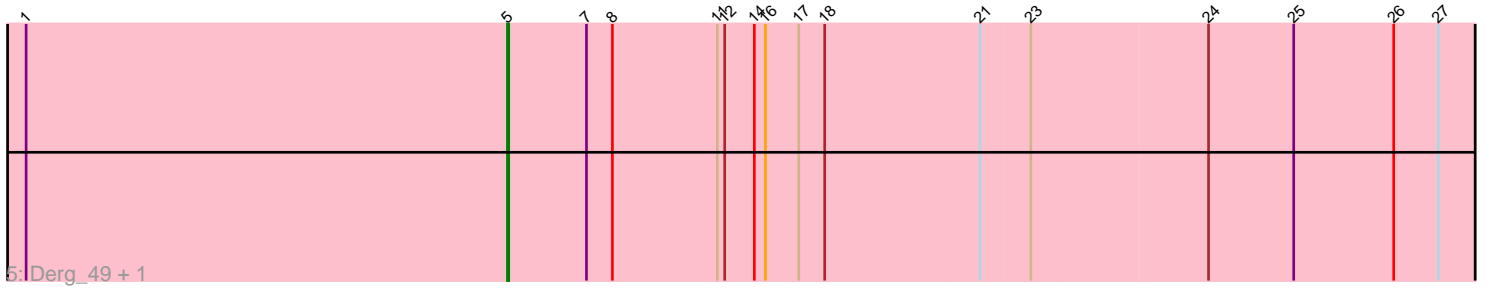
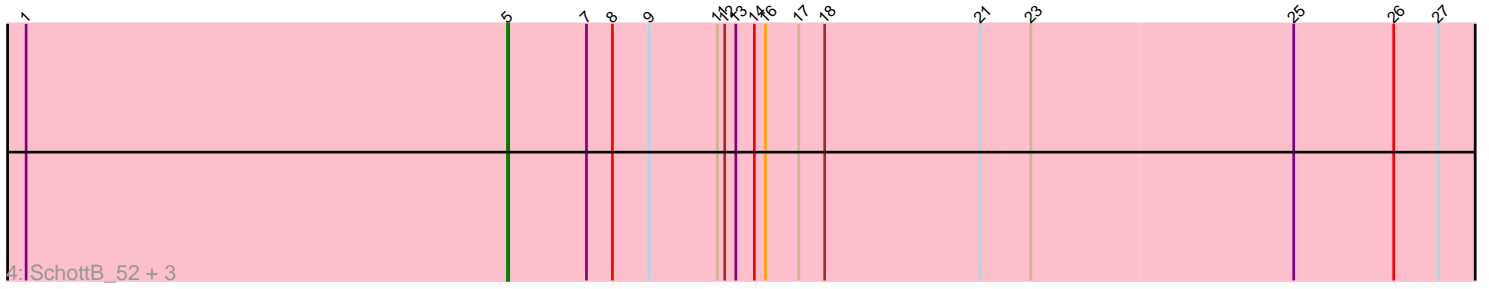
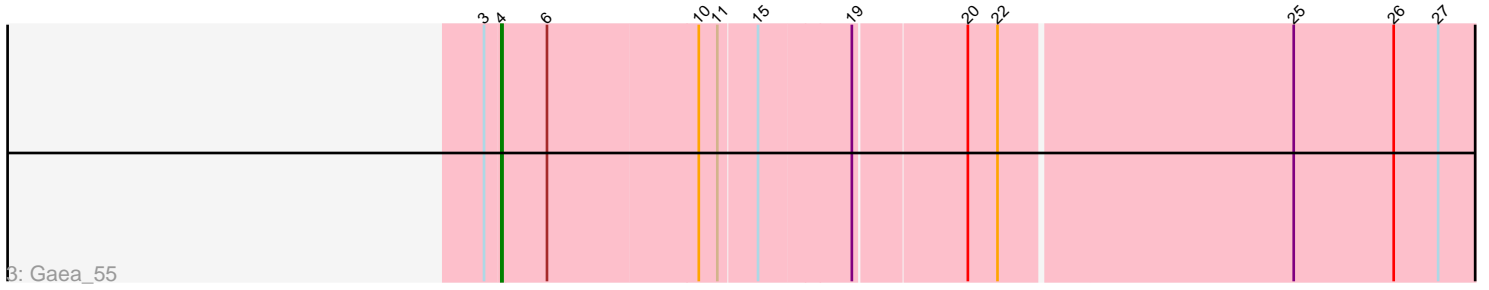
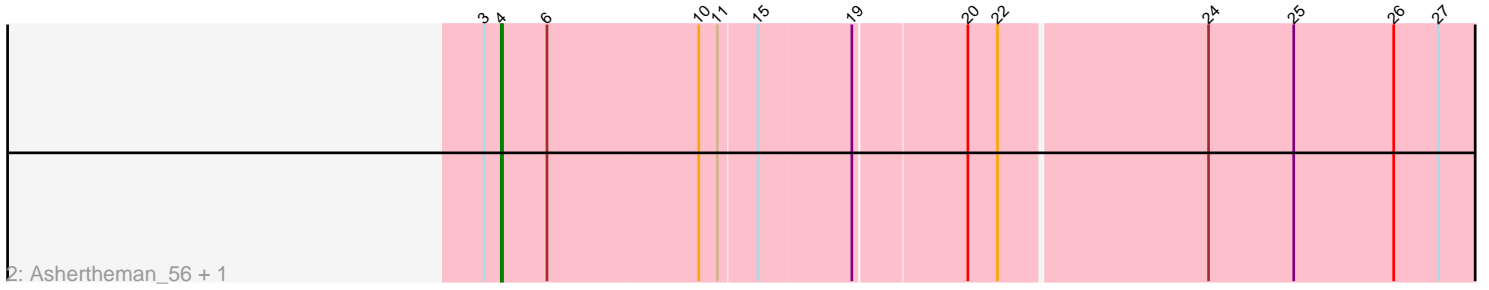
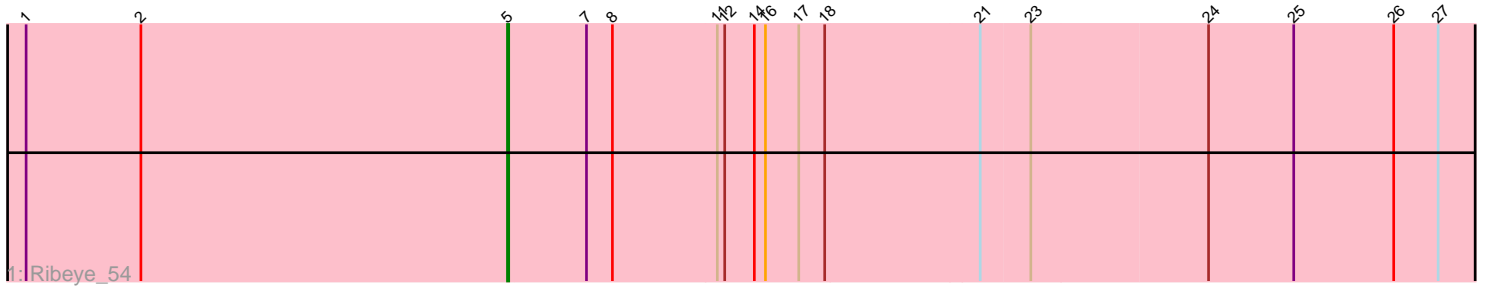


Pham 225088



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 225088 Report

This analysis was run 03/28/25 on database version 593.

Pham number 225088 has 10 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Ribeye_54
- Track 2 : Ashertheman_56, Bibwit_55
- Track 3 : Gaea_55
- Track 4 : SchottB_52, Kwobi_55, YorkOnyx_55, Kroos_54
- Track 5 : Derg_49, Bizzy_54

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

Genes that call this "Most Annotated" start:

- Bizzy_54, Derg_49, Kroos_54, Kwobi_55, Ribeye_54, SchottB_52, YorkOnyx_55,

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

-

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

- Ashertheman_56, Bibwit_55, Gaea_55,

Summary by start number:

Start 4:

- Found in 3 of 10 (30.0%) of genes in pham
- Manual Annotations of this start: 3 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ashertheman_56 (DE1), Bibwit_55 (DE1), Gaea_55 (DE1),

Start 5:

- Found in 7 of 10 (70.0%) of genes in pham
- Manual Annotations of this start: 6 of 9
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Bizzy_54 (DE1), Derg_49 (DE1), Kroos_54 (DE1), Kwobi_55 (DE1), Ribeye_54 (DE1), SchottB_52 (DE1), YorkOnyx_55 (DE1),

Summary by clusters:

There is one cluster represented in this pham: DE1

Info for manual annotations of cluster DE1:

- Start number 4 was manually annotated 3 times for cluster DE1.
- Start number 5 was manually annotated 6 times for cluster DE1.

Gene Information:

Gene: Ashertheman_56 Start: 44845, Stop: 45732, Start Num: 4

Candidate Starts for Ashertheman_56:

(3, 44833), (Start: 4 @44845 has 3 MA's), (6, 44881), (10, 45001), (11, 45016), (15, 45046), (19, 45118), (20, 45205), (22, 45229), (24, 45391), (25, 45460), (26, 45541), (27, 45577),

Gene: Bibwit_55 Start: 44359, Stop: 45243, Start Num: 4

Candidate Starts for Bibwit_55:

(3, 44347), (Start: 4 @44359 has 3 MA's), (6, 44395), (10, 44515), (11, 44530), (15, 44560), (19, 44632), (20, 44719), (22, 44743), (24, 44905), (25, 44974), (26, 45055), (27, 45091),

Gene: Bizzy_54 Start: 44167, Stop: 45060, Start Num: 5

Candidate Starts for Bizzy_54:

(1, 43777), (Start: 5 @44167 has 6 MA's), (7, 44227), (8, 44248), (11, 44332), (12, 44338), (14, 44362), (16, 44371), (17, 44398), (18, 44419), (21, 44542), (23, 44581), (24, 44722), (25, 44791), (26, 44872), (27, 44908),

Gene: Derg_49 Start: 43759, Stop: 44652, Start Num: 5

Candidate Starts for Derg_49:

(1, 43369), (Start: 5 @43759 has 6 MA's), (7, 43819), (8, 43840), (11, 43924), (12, 43930), (14, 43954), (16, 43963), (17, 43990), (18, 44011), (21, 44134), (23, 44173), (24, 44314), (25, 44383), (26, 44464), (27, 44500),

Gene: Gaea_55 Start: 44145, Stop: 45029, Start Num: 4

Candidate Starts for Gaea_55:

(3, 44133), (Start: 4 @44145 has 3 MA's), (6, 44181), (10, 44301), (11, 44316), (15, 44346), (19, 44418), (20, 44505), (22, 44529), (25, 44760), (26, 44841), (27, 44877),

Gene: Kroos_54 Start: 44667, Stop: 45560, Start Num: 5

Candidate Starts for Kroos_54:

(1, 44277), (Start: 5 @44667 has 6 MA's), (7, 44727), (8, 44748), (9, 44778), (11, 44832), (12, 44838), (13, 44847), (14, 44862), (16, 44871), (17, 44898), (18, 44919), (21, 45042), (23, 45081), (25, 45291), (26, 45372), (27, 45408),

Gene: Kwobi_55 Start: 45093, Stop: 45986, Start Num: 5

Candidate Starts for Kwobi_55:

(1, 44703), (Start: 5 @45093 has 6 MA's), (7, 45153), (8, 45174), (9, 45204), (11, 45258), (12, 45264), (13, 45273), (14, 45288), (16, 45297), (17, 45324), (18, 45345), (21, 45468), (23, 45507), (25, 45717),

(26, 45798), (27, 45834),

Gene: Ribeye_54 Start: 45091, Stop: 45984, Start Num: 5

Candidate Starts for Ribeye_54:

(1, 44701), (2, 44794), (Start: 5 @45091 has 6 MA's), (7, 45151), (8, 45172), (11, 45256), (12, 45262), (14, 45286), (16, 45295), (17, 45322), (18, 45343), (21, 45466), (23, 45505), (24, 45646), (25, 45715), (26, 45796), (27, 45832),

Gene: SchottB_52 Start: 44927, Stop: 45820, Start Num: 5

Candidate Starts for SchottB_52:

(1, 44537), (Start: 5 @44927 has 6 MA's), (7, 44987), (8, 45008), (9, 45038), (11, 45092), (12, 45098), (13, 45107), (14, 45122), (16, 45131), (17, 45158), (18, 45179), (21, 45302), (23, 45341), (25, 45551), (26, 45632), (27, 45668),

Gene: YorkOnyx_55 Start: 44582, Stop: 45475, Start Num: 5

Candidate Starts for YorkOnyx_55:

(1, 44192), (Start: 5 @44582 has 6 MA's), (7, 44642), (8, 44663), (9, 44693), (11, 44747), (12, 44753), (13, 44762), (14, 44777), (16, 44786), (17, 44813), (18, 44834), (21, 44957), (23, 44996), (25, 45206), (26, 45287), (27, 45323),