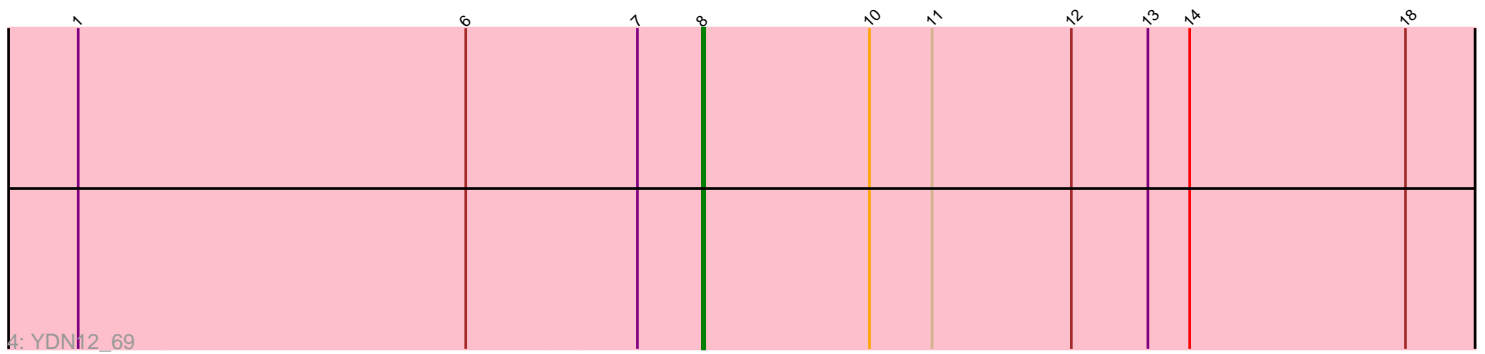
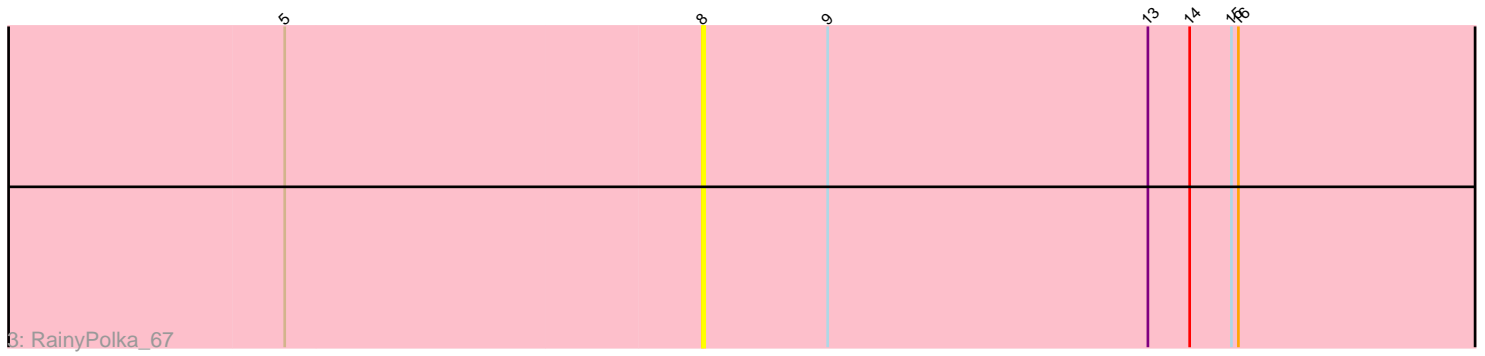
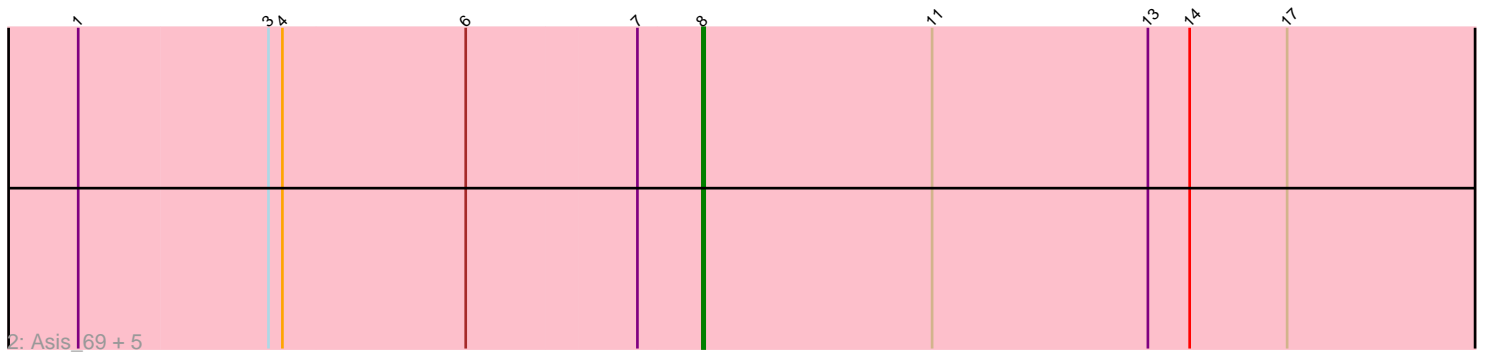
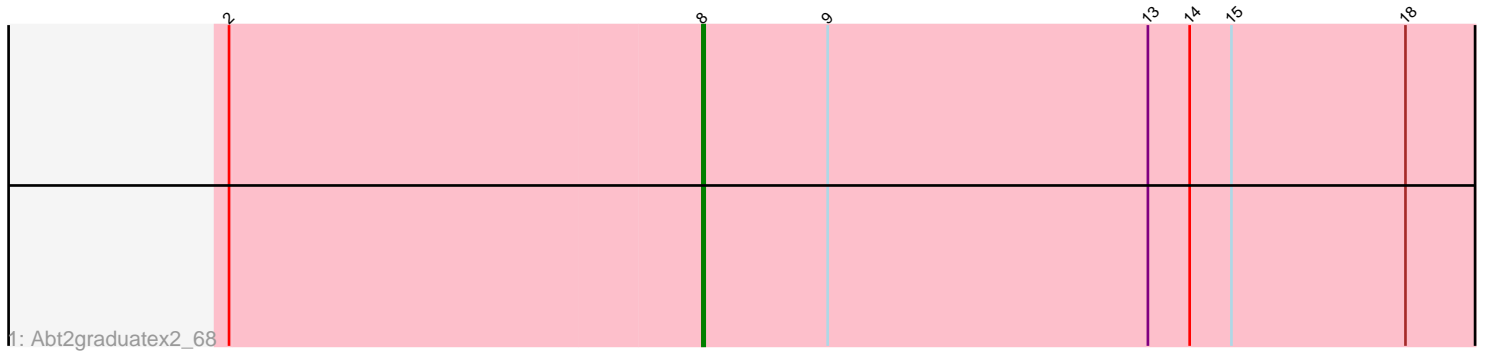


Pham 6335



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 6335 Report

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

Pham number 6335 has 9 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Abt2graduatex2_68
- Track 2 : Asis_69, Maih_67, BabyGotBac_69, TP1604_68, BayC_68, Salete_68
- Track 3 : RainyPolka_67
- Track 4 : YDN12_69

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

The start number called the most often in the published annotations is 8, it was called in 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abt2graduatex2_68, Asis_69, BabyGotBac_69, BayC_68, Maih_67, RainyPolka_67, Salete_68, TP1604_68, YDN12_69,

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 8:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 8 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abt2graduatex2_68 (BG), Asis_69 (BG), BabyGotBac_69 (BG), BayC_68 (BG), Maih_67 (BG), RainyPolka_67 (BG), Salete_68 (BG), TP1604_68 (BG), YDN12_69 (BG),

Summary by clusters:

There is one cluster represented in this pham: BG

Info for manual annotations of cluster BG:

- Start number 8 was manually annotated 8 times for cluster BG.

Gene Information:

Gene: Abt2graduatex2_68 Start: 53098, Stop: 53433, Start Num: 8

Candidate Starts for Abt2graduatex2_68:

(2, 52897), (Start: 8 @53098 has 8 MA's), (9, 53152), (13, 53290), (14, 53308), (15, 53326), (18, 53401),

Gene: Asis_69 Start: 52991, Stop: 53326, Start Num: 8

Candidate Starts for Asis_69:

(1, 52727), (3, 52808), (4, 52814), (6, 52892), (7, 52964), (Start: 8 @52991 has 8 MA's), (11, 53090), (13, 53183), (14, 53201), (17, 53243),

Gene: BabyGotBac_69 Start: 52917, Stop: 53252, Start Num: 8

Candidate Starts for BabyGotBac_69:

(1, 52653), (3, 52734), (4, 52740), (6, 52818), (7, 52890), (Start: 8 @52917 has 8 MA's), (11, 53016), (13, 53109), (14, 53127), (17, 53169),

Gene: BayC_68 Start: 52995, Stop: 53330, Start Num: 8

Candidate Starts for BayC_68:

(1, 52731), (3, 52812), (4, 52818), (6, 52896), (7, 52968), (Start: 8 @52995 has 8 MA's), (11, 53094), (13, 53187), (14, 53205), (17, 53247),

Gene: Maih_67 Start: 53008, Stop: 53343, Start Num: 8

Candidate Starts for Maih_67:

(1, 52744), (3, 52825), (4, 52831), (6, 52909), (7, 52981), (Start: 8 @53008 has 8 MA's), (11, 53107), (13, 53200), (14, 53218), (17, 53260),

Gene: RainyPolka_67 Start: 52480, Stop: 52815, Start Num: 8

Candidate Starts for RainyPolka_67:

(5, 52303), (Start: 8 @52480 has 8 MA's), (9, 52534), (13, 52672), (14, 52690), (15, 52708), (16, 52711),

Gene: Salete_68 Start: 52995, Stop: 53330, Start Num: 8

Candidate Starts for Salete_68:

(1, 52731), (3, 52812), (4, 52818), (6, 52896), (7, 52968), (Start: 8 @52995 has 8 MA's), (11, 53094), (13, 53187), (14, 53205), (17, 53247),

Gene: TP1604_68 Start: 52920, Stop: 53255, Start Num: 8

Candidate Starts for TP1604_68:

(1, 52656), (3, 52737), (4, 52743), (6, 52821), (7, 52893), (Start: 8 @52920 has 8 MA's), (11, 53019), (13, 53112), (14, 53130), (17, 53172),

Gene: YDN12_69 Start: 52691, Stop: 53026, Start Num: 8

Candidate Starts for YDN12_69:

(1, 52427), (6, 52592), (7, 52664), (Start: 8 @52691 has 8 MA's), (10, 52763), (11, 52790), (12, 52850), (13, 52883), (14, 52901), (18, 52994),