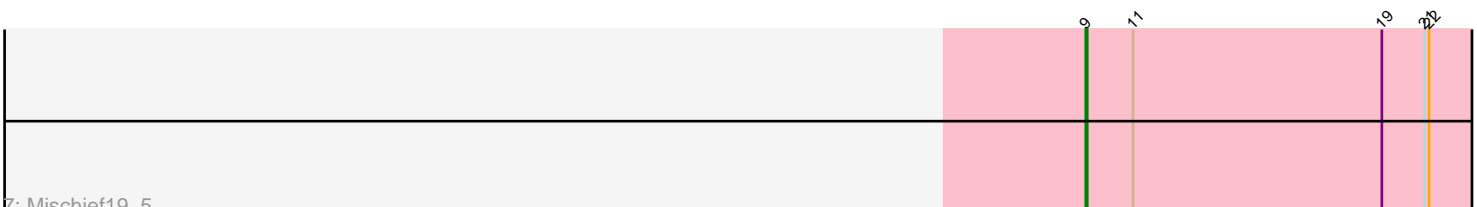
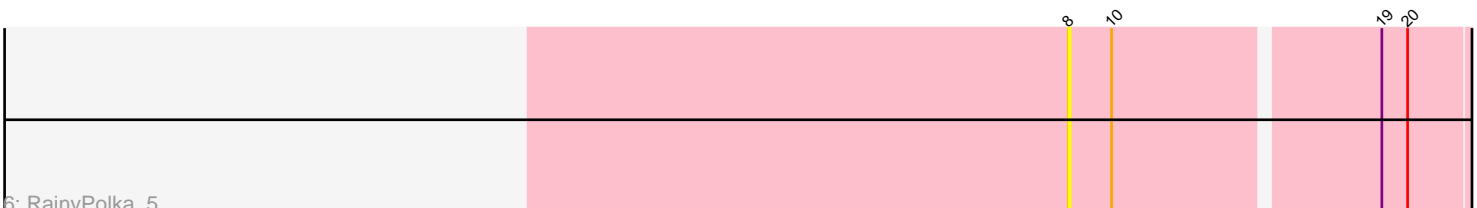
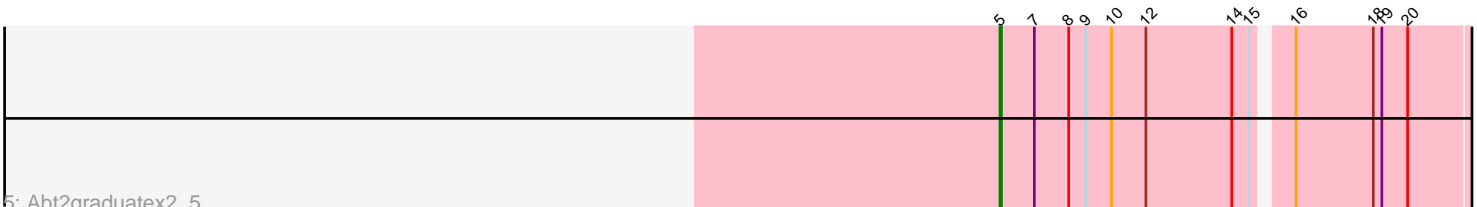
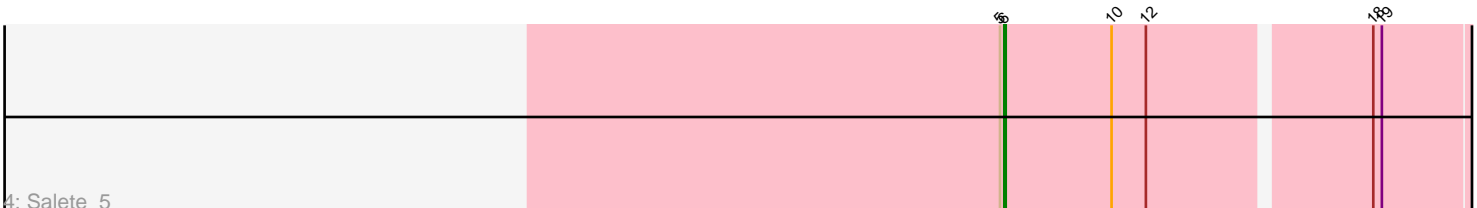
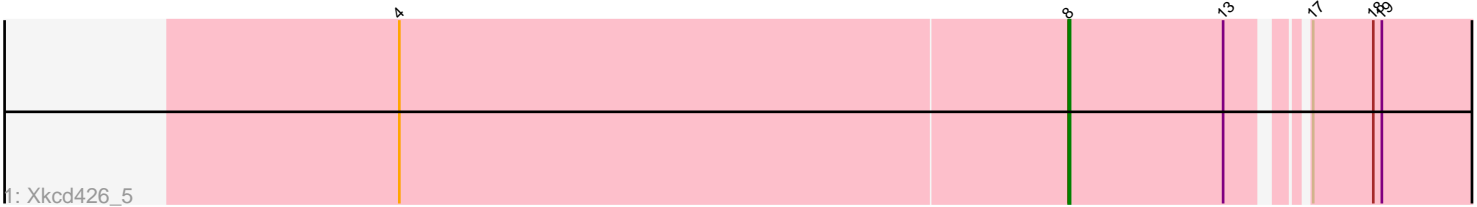


Pham 5452



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 5452 Report

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

Pham number 5452 has 11 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Xkcd426_5
- Track 2 : YDN12_5
- Track 3 : BabyGotBac_5, TP1604_5, Maih_5, Asis_5, BayC_5
- Track 4 : Salete_5
- Track 5 : Abt2graduatex2_5
- Track 6 : RainyPolka_5
- Track 7 : Mischief19_5

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 7 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abt2graduatex2_5, Asis_5, BabyGotBac_5, BayC_5, Maih_5, TP1604_5, YDN12_5,

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

- Salete_5,

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

- Mischief19_5, RainyPolka_5, Xkcd426_5,

Summary by start number:

Start 5:

- Found in 8 of 11 (72.7%) of genes in pham
- Manual Annotations of this start: 7 of 10
- Called 87.5% of time when present
- Phage (with cluster) where this start called: Abt2graduatex2_5 (BG), Asis_5 (BG), BabyGotBac_5 (BG), BayC_5 (BG), Maih_5 (BG), TP1604_5 (BG), YDN12_5 (BG),

Start 6:

- Found in 7 of 11 (63.6%) of genes in pham
- Manual Annotations of this start: 1 of 10

- Called 14.3% of time when present
- Phage (with cluster) where this start called: Saletе_5 (BG),

Start 8:

- Found in 3 of 11 (27.3%) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 66.7% of time when present
- Phage (with cluster) where this start called: RainyPolka_5 (BG), Xkcd426_5 (BG),

Start 9:

- Found in 2 of 11 (18.2%) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Mischief19_5 (BG),

Summary by clusters:

There is one cluster represented in this pham: BG

Info for manual annotations of cluster BG:

- Start number 5 was manually annotated 7 times for cluster BG.
- Start number 6 was manually annotated 1 time for cluster BG.
- Start number 8 was manually annotated 1 time for cluster BG.
- Start number 9 was manually annotated 1 time for cluster BG.

Gene Information:

Gene: Abt2graduatex2_5 Start: 2992, Stop: 3306, Start Num: 5

Candidate Starts for Abt2graduatex2_5:

(Start: 5 @2992 has 7 MA's), (7, 3016), (Start: 8 @3040 has 1 MA's), (Start: 9 @3052 has 1 MA's), (10, 3070), (12, 3094), (14, 3154), (15, 3166), (16, 3187), (18, 3241), (19, 3247), (20, 3265),

Gene: Asis_5 Start: 2995, Stop: 3309, Start Num: 5

Candidate Starts for Asis_5:

(Start: 5 @2995 has 7 MA's), (Start: 6 @2998 has 1 MA's), (10, 3073), (12, 3097), (18, 3244), (19, 3250),

Gene: BabyGotBac_5 Start: 2995, Stop: 3309, Start Num: 5

Candidate Starts for BabyGotBac_5:

(Start: 5 @2995 has 7 MA's), (Start: 6 @2998 has 1 MA's), (10, 3073), (12, 3097), (18, 3244), (19, 3250),

Gene: BayC_5 Start: 2995, Stop: 3309, Start Num: 5

Candidate Starts for BayC_5:

(Start: 5 @2995 has 7 MA's), (Start: 6 @2998 has 1 MA's), (10, 3073), (12, 3097), (18, 3244), (19, 3250),

Gene: Maih_5 Start: 2995, Stop: 3309, Start Num: 5

Candidate Starts for Maih_5:

(Start: 5 @2995 has 7 MA's), (Start: 6 @2998 has 1 MA's), (10, 3073), (12, 3097), (18, 3244), (19, 3250),

Gene: Mischief19_5 Start: 2887, Stop: 3159, Start Num: 9

Candidate Starts for Mischief19_5:

(Start: 9 @2887 has 1 MA's), (11, 2920), (19, 3094), (21, 3124), (22, 3127),

Gene: RainyPolka_5 Start: 3048, Stop: 3314, Start Num: 8

Candidate Starts for RainyPolka_5:

(Start: 8 @3048 has 1 MA's), (10, 3078), (19, 3255), (20, 3273),

Gene: Salete_5 Start: 2998, Stop: 3309, Start Num: 6

Candidate Starts for Salete_5:

(Start: 5 @2995 has 7 MA's), (Start: 6 @2998 has 1 MA's), (10, 3073), (12, 3097), (18, 3244), (19, 3250),

Gene: TP1604_5 Start: 2995, Stop: 3309, Start Num: 5

Candidate Starts for TP1604_5:

(Start: 5 @2995 has 7 MA's), (Start: 6 @2998 has 1 MA's), (10, 3073), (12, 3097), (18, 3244), (19, 3250),

Gene: Xkcd426_5 Start: 3091, Stop: 3348, Start Num: 8

Candidate Starts for Xkcd426_5:

(4, 2626), (Start: 8 @3091 has 1 MA's), (13, 3199), (17, 3238), (18, 3280), (19, 3286),

Gene: YDN12_5 Start: 2995, Stop: 3309, Start Num: 5

Candidate Starts for YDN12_5:

(1, 2329), (2, 2353), (3, 2524), (Start: 5 @2995 has 7 MA's), (Start: 6 @2998 has 1 MA's), (10, 3073), (18, 3244), (19, 3250),