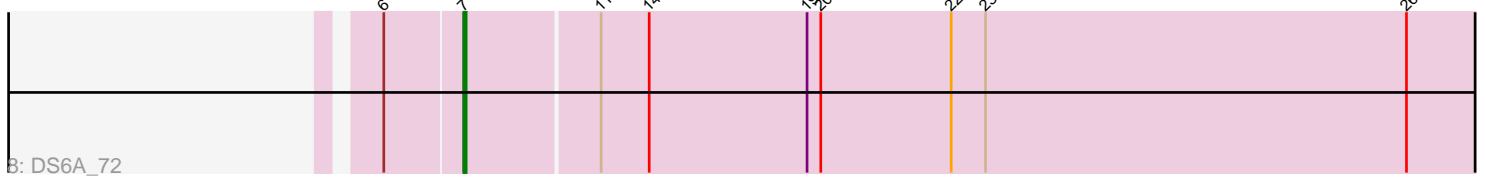
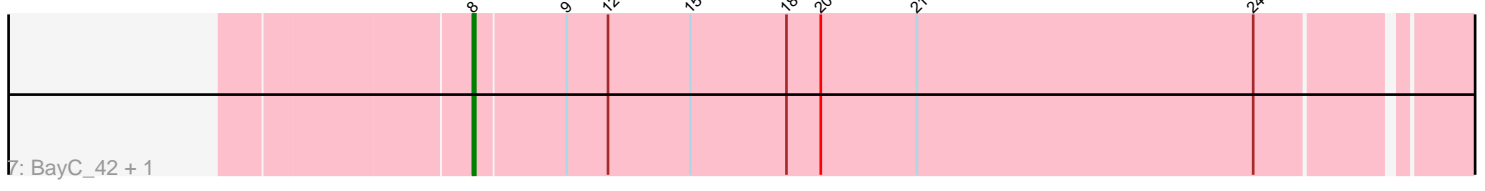
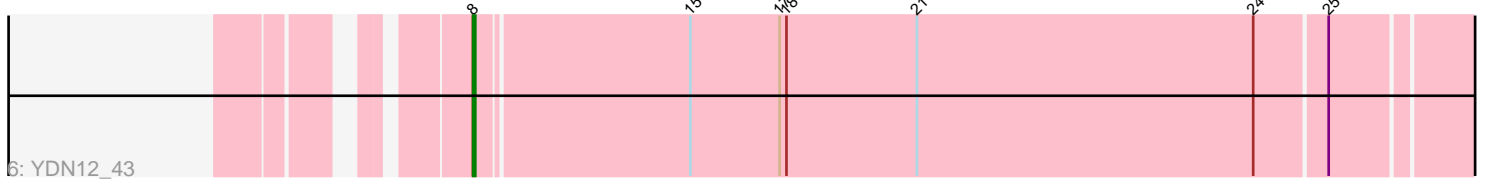
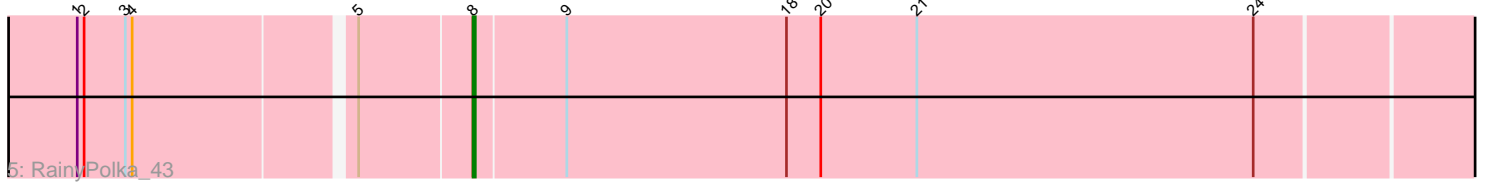
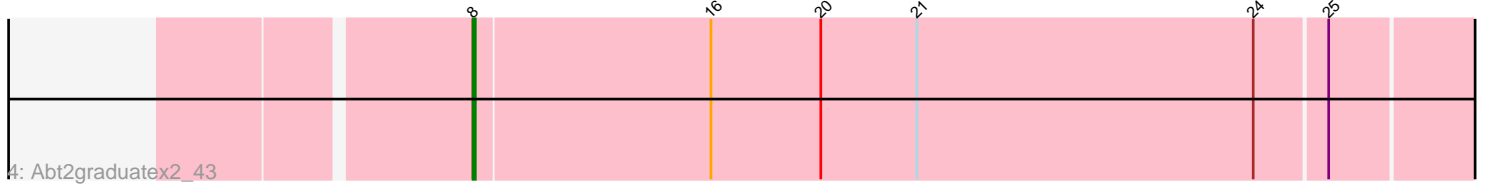
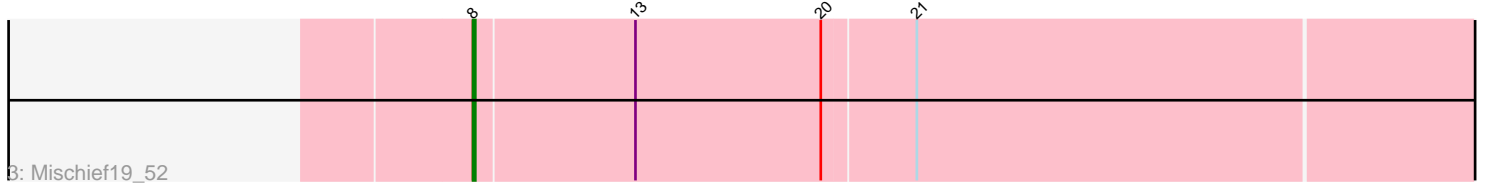
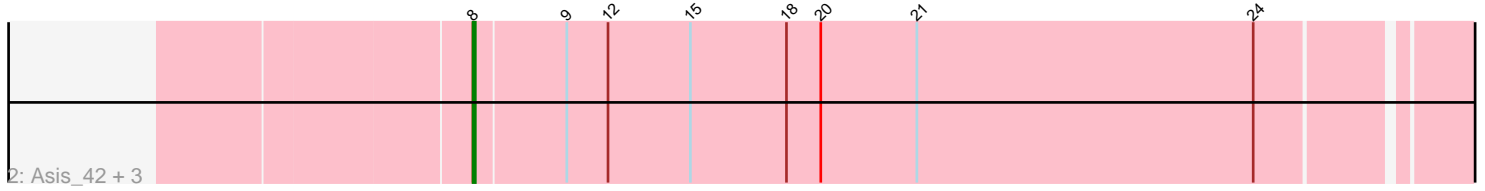
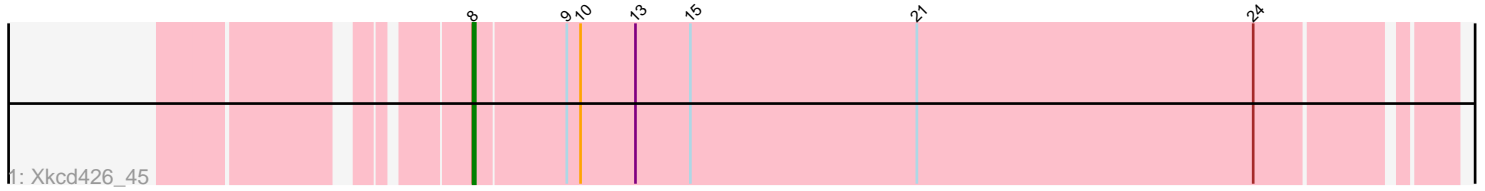


# Pham 293298



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 293298 Report

This analysis was run 04/18/26 on database version 643.

Pham number 293298 has 12 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Xkcd426\_45
- Track 2 : Asis\_42, BabyGotBac\_43, TP1604\_42, Maih\_41
- Track 3 : Mischief19\_52
- Track 4 : Abt2graduatex2\_43
- Track 5 : RainyPolka\_43
- Track 6 : YDN12\_43
- Track 7 : BayC\_42, Salete\_42
- Track 8 : DS6A\_72

### ***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 11 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abt2graduatex2\_43, Asis\_42, BabyGotBac\_43, BayC\_42, Maih\_41, Mischief19\_52, RainyPolka\_43, Salete\_42, TP1604\_42, Xkcd426\_45, YDN12\_43,

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

- 

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

- DS6A\_72,

### **Summary by start number:**

Start 7:

- Found in 1 of 12 ( 8.3% ) of genes in pham
- Manual Annotations of this start: 1 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DS6A\_72 (singleton),

Start 8:

- Found in 11 of 12 ( 91.7% ) of genes in pham

- Manual Annotations of this start: 11 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abt2graduatex2\_43 (BG), Asis\_42 (BG), BabyGotBac\_43 (BG), BayC\_42 (BG), Maih\_41 (BG), Mischief19\_52 (BG), RainyPolka\_43 (BG), Salete\_42 (BG), TP1604\_42 (BG), Xkcd426\_45 (BG), YDN12\_43 (BG),

### **Summary by clusters:**

There are 2 clusters represented in this pham: singleton, BG,

Info for manual annotations of cluster BG:

- Start number 8 was manually annotated 11 times for cluster BG.

### **Gene Information:**

Gene: Abt2graduatex2\_43 Start: 34463, Stop: 34035, Start Num: 8

Candidate Starts for Abt2graduatex2\_43:

(Start: 8 @34463 has 11 MA's), (16, 34361), (20, 34313), (21, 34271), (24, 34124), (25, 34094),

Gene: Asis\_42 Start: 34223, Stop: 33801, Start Num: 8

Candidate Starts for Asis\_42:

(Start: 8 @34223 has 11 MA's), (9, 34184), (12, 34166), (15, 34130), (18, 34088), (20, 34073), (21, 34031), (24, 33884),

Gene: BabyGotBac\_43 Start: 34223, Stop: 33801, Start Num: 8

Candidate Starts for BabyGotBac\_43:

(Start: 8 @34223 has 11 MA's), (9, 34184), (12, 34166), (15, 34130), (18, 34088), (20, 34073), (21, 34031), (24, 33884),

Gene: BayC\_42 Start: 34220, Stop: 33798, Start Num: 8

Candidate Starts for BayC\_42:

(Start: 8 @34220 has 11 MA's), (9, 34181), (12, 34163), (15, 34127), (18, 34085), (20, 34070), (21, 34028), (24, 33881),

Gene: DS6A\_72 Start: 46893, Stop: 47366, Start Num: 7

Candidate Starts for DS6A\_72:

(6, 46860), (Start: 7 @46893 has 1 MA's), (11, 46950), (14, 46971), (19, 47040), (20, 47046), (22, 47103), (23, 47118), (26, 47301),

Gene: Maih\_41 Start: 34222, Stop: 33800, Start Num: 8

Candidate Starts for Maih\_41:

(Start: 8 @34222 has 11 MA's), (9, 34183), (12, 34165), (15, 34129), (18, 34087), (20, 34072), (21, 34030), (24, 33883),

Gene: Mischief19\_52 Start: 45192, Stop: 44764, Start Num: 8

Candidate Starts for Mischief19\_52:

(Start: 8 @45192 has 11 MA's), (13, 45123), (20, 45042), (21, 45003),

Gene: RainyPolka\_43 Start: 34205, Stop: 33777, Start Num: 8

Candidate Starts for RainyPolka\_43:

(1, 34367), (2, 34364), (3, 34346), (4, 34343), (5, 34253), (Start: 8 @34205 has 11 MA's), (9, 34166), (18, 34070), (20, 34055), (21, 34013), (24, 33866),

Gene: Salete\_42 Start: 34220, Stop: 33798, Start Num: 8

Candidate Starts for Salete\_42:

(Start: 8 @34220 has 11 MA's), (9, 34181), (12, 34163), (15, 34127), (18, 34085), (20, 34070), (21, 34028), (24, 33881),

Gene: TP1604\_42 Start: 34223, Stop: 33801, Start Num: 8

Candidate Starts for TP1604\_42:

(Start: 8 @34223 has 11 MA's), (9, 34184), (12, 34166), (15, 34130), (18, 34088), (20, 34073), (21, 34031), (24, 33884),

Gene: Xkcd426\_45 Start: 40092, Stop: 39676, Start Num: 8

Candidate Starts for Xkcd426\_45:

(Start: 8 @40092 has 11 MA's), (9, 40053), (10, 40047), (13, 40023), (15, 39999), (21, 39900), (24, 39753),

Gene: YDN12\_43 Start: 33738, Stop: 33316, Start Num: 8

Candidate Starts for YDN12\_43:

(Start: 8 @33738 has 11 MA's), (15, 33648), (17, 33609), (18, 33606), (21, 33549), (24, 33402), (25, 33372),