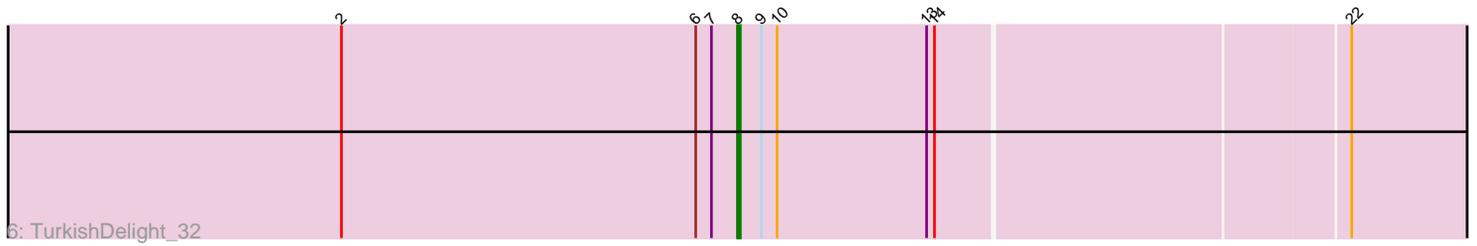
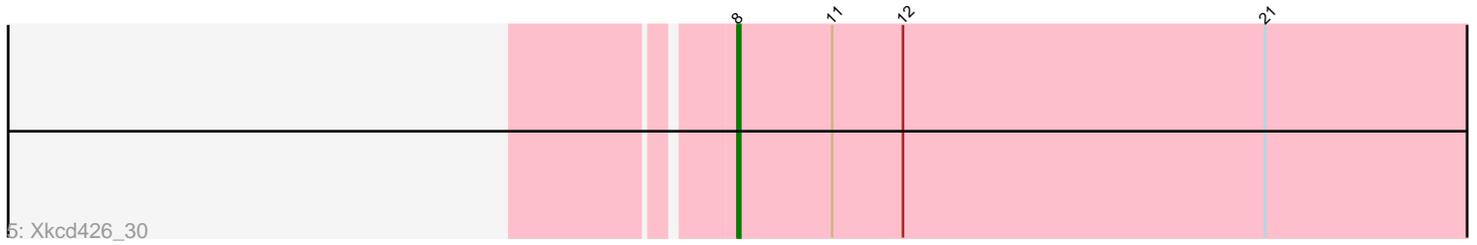
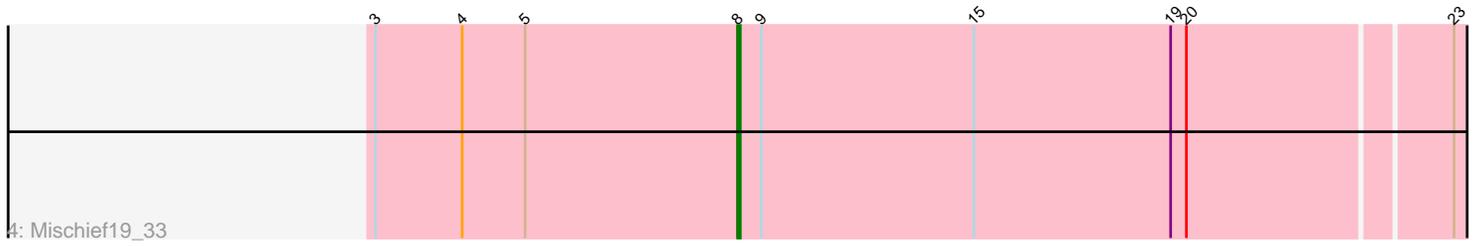
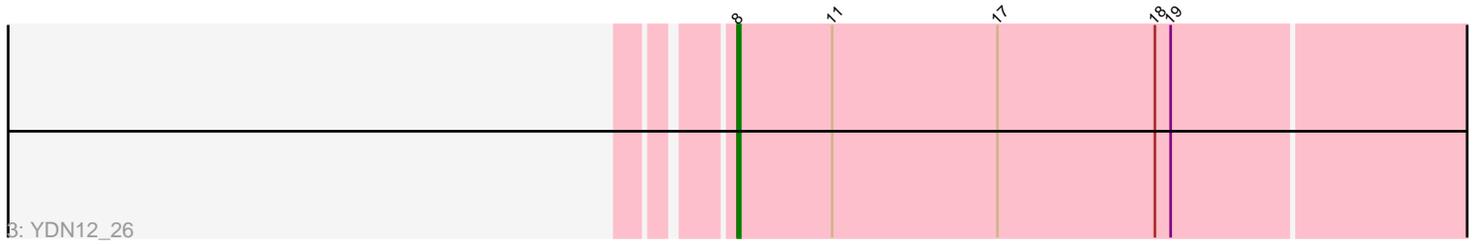
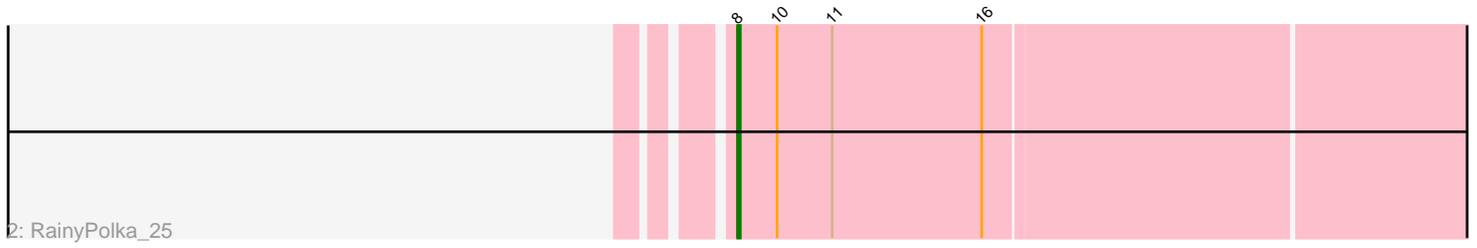
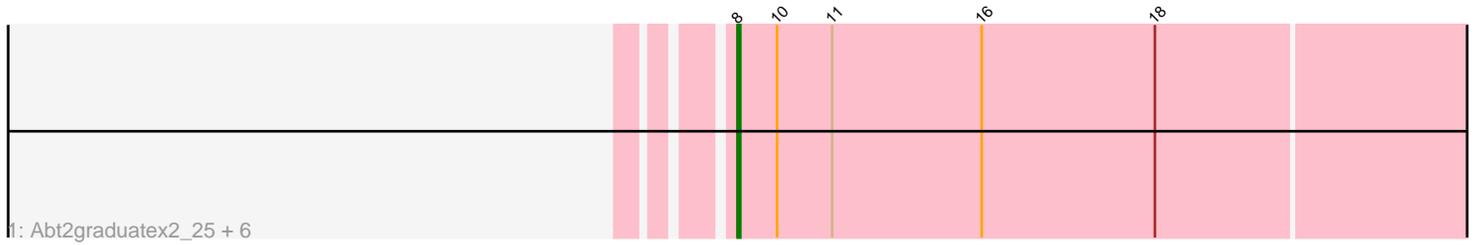


# Zoomed Pham 287187



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 287187 Report

This analysis was run 03/28/26 on database version 641.

Pham number 287187 has 12 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Abt2graduatex2\_25, TP1604\_24, Salete\_24, BayC\_24, Maih\_24, Asis\_24, BabyGotBac\_24
- Track 2 : RainyPolka\_25
- Track 3 : YDN12\_26
- Track 4 : Mischief19\_33
- Track 5 : Xkcd426\_30
- Track 6 : TurkishDelight\_32

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

Genes that call this "Most Annotated" start:

- Abt2graduatex2\_25, Asis\_24, BabyGotBac\_24, BayC\_24, Maih\_24, Mischief19\_33, RainyPolka\_25, Salete\_24, TP1604\_24, TurkishDelight\_32, Xkcd426\_30, YDN12\_26,

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 12 of 12 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 12 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abt2graduatex2\_25 (BG), Asis\_24 (BG), BabyGotBac\_24 (BG), BayC\_24 (BG), Maih\_24 (BG), Mischief19\_33 (BG), RainyPolka\_25 (BG), Salete\_24 (BG), TP1604\_24 (BG), TurkishDelight\_32 (singleton), Xkcd426\_30 (BG), YDN12\_26 (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\_25 Start: 23773, Stop: 24504, Start Num: 8

Candidate Starts for Abt2graduatex2\_25:

(Start: 8 @23773 has 12 MA's), (10, 23788), (11, 23809), (16, 23866), (18, 23932), (27, 24079), (30, 24160), (32, 24196), (38, 24298), (39, 24304),

Gene: Asis\_24 Start: 23188, Stop: 23919, Start Num: 8

Candidate Starts for Asis\_24:

(Start: 8 @23188 has 12 MA's), (10, 23203), (11, 23224), (16, 23281), (18, 23347), (27, 23494), (30, 23575), (32, 23611), (38, 23713), (39, 23719),

Gene: BabyGotBac\_24 Start: 23188, Stop: 23919, Start Num: 8

Candidate Starts for BabyGotBac\_24:

(Start: 8 @23188 has 12 MA's), (10, 23203), (11, 23224), (16, 23281), (18, 23347), (27, 23494), (30, 23575), (32, 23611), (38, 23713), (39, 23719),

Gene: BayC\_24 Start: 23188, Stop: 23919, Start Num: 8

Candidate Starts for BayC\_24:

(Start: 8 @23188 has 12 MA's), (10, 23203), (11, 23224), (16, 23281), (18, 23347), (27, 23494), (30, 23575), (32, 23611), (38, 23713), (39, 23719),

Gene: Maih\_24 Start: 23187, Stop: 23918, Start Num: 8

Candidate Starts for Maih\_24:

(Start: 8 @23187 has 12 MA's), (10, 23202), (11, 23223), (16, 23280), (18, 23346), (27, 23493), (30, 23574), (32, 23610), (38, 23712), (39, 23718),

Gene: Mischief19\_33 Start: 33795, Stop: 34517, Start Num: 8

Candidate Starts for Mischief19\_33:

(3, 33657), (4, 33690), (5, 33714), (Start: 8 @33795 has 12 MA's), (9, 33804), (15, 33885), (19, 33960), (20, 33966), (23, 34062), (30, 34179), (32, 34215), (37, 34314), (40, 34365), (43, 34494),

Gene: RainyPolka\_25 Start: 23647, Stop: 24375, Start Num: 8

Candidate Starts for RainyPolka\_25:

(Start: 8 @23647 has 12 MA's), (10, 23662), (11, 23683), (16, 23740), (27, 23950), (31, 24061), (32, 24067), (35, 24106), (37, 24166), (38, 24169),

Gene: Salete\_24 Start: 23188, Stop: 23919, Start Num: 8

Candidate Starts for Salete\_24:

(Start: 8 @23188 has 12 MA's), (10, 23203), (11, 23224), (16, 23281), (18, 23347), (27, 23494), (30, 23575), (32, 23611), (38, 23713), (39, 23719),

Gene: TP1604\_24 Start: 23188, Stop: 23919, Start Num: 8

Candidate Starts for TP1604\_24:

(Start: 8 @23188 has 12 MA's), (10, 23203), (11, 23224), (16, 23281), (18, 23347), (27, 23494), (30, 23575), (32, 23611), (38, 23713), (39, 23719),

Gene: TurkishDelight\_32 Start: 29754, Stop: 30473, Start Num: 8

Candidate Starts for TurkishDelight\_32:

(1, 29469), (2, 29604), (6, 29739), (7, 29745), (Start: 8 @29754 has 12 MA's), (9, 29763), (10, 29769), (13, 29826), (14, 29829), (22, 29979), (24, 30027), (25, 30045), (28, 30060), (34, 30198), (41, 30357), (42, 30429), (43, 30450),

Gene: Xkcd426\_30 Start: 30543, Stop: 31274, Start Num: 8

Candidate Starts for Xkcd426\_30:

(Start: 8 @30543 has 12 MA's), (11, 30579), (12, 30606), (21, 30744), (26, 30846), (27, 30852), (29, 30882), (30, 30930), (33, 30990), (36, 31056), (38, 31068),

Gene: YDN12\_26 Start: 23157, Stop: 23888, Start Num: 8

Candidate Starts for YDN12\_26:

(Start: 8 @23157 has 12 MA's), (11, 23193), (17, 23256), (18, 23316), (19, 23322), (26, 23457), (27, 23463), (29, 23493), (30, 23544), (32, 23580), (38, 23682), (39, 23688),