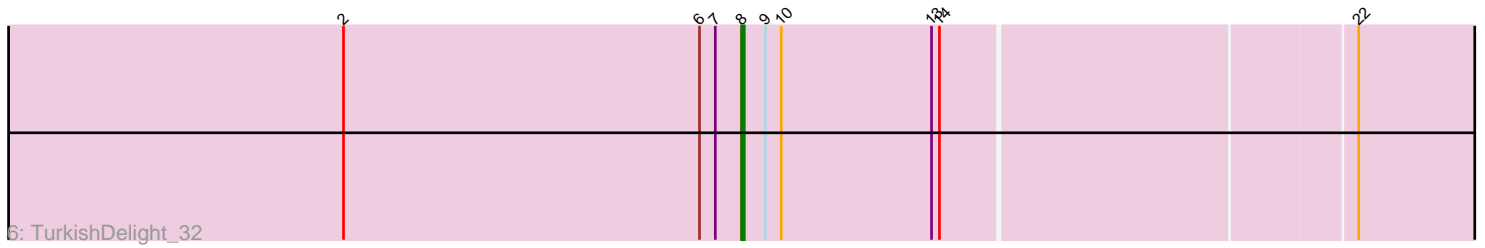
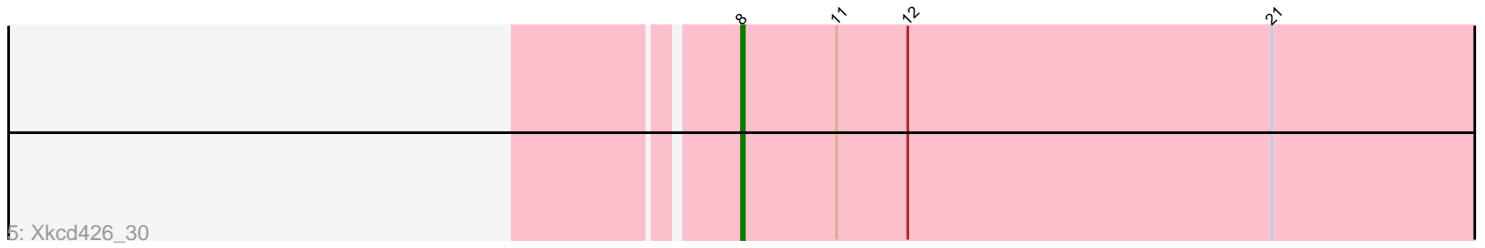
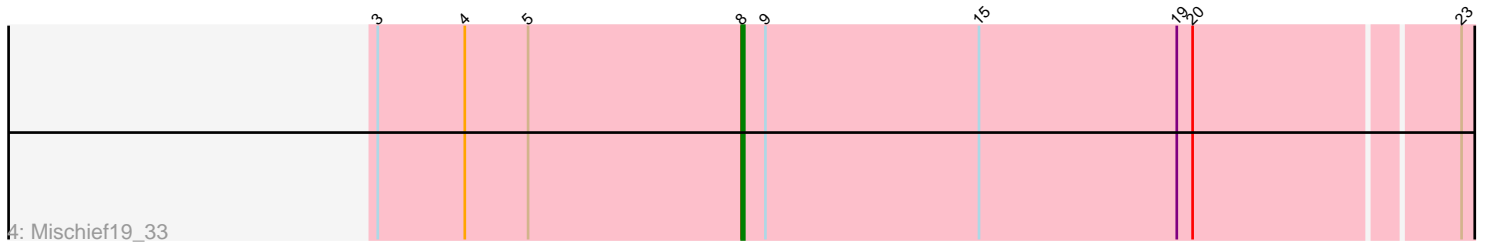
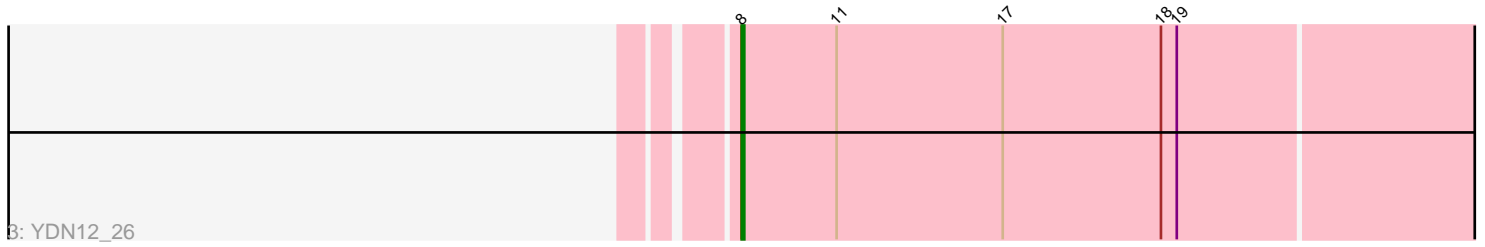
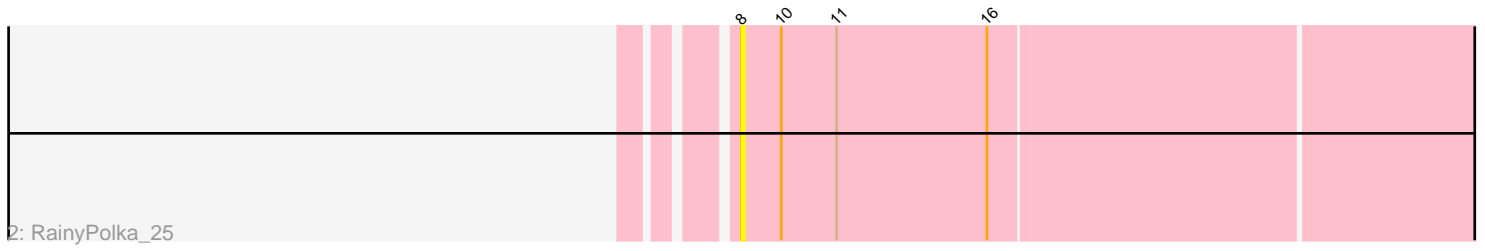
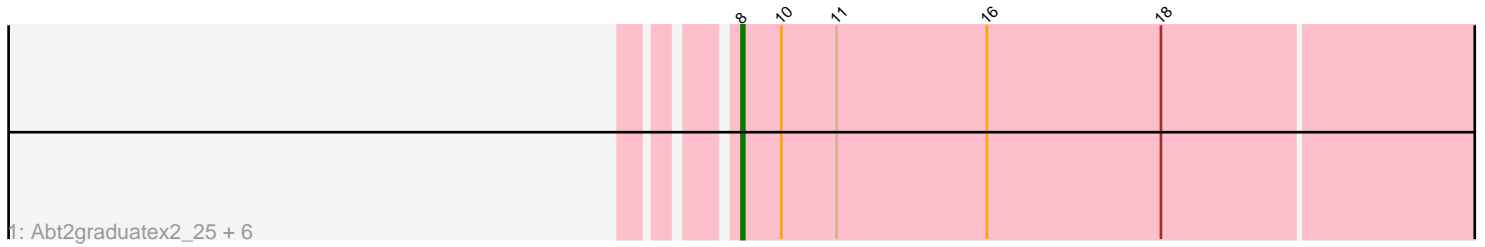


Zoomed Pham 195848



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 195848 Report

This analysis was run 12/09/24 on database version 580.

Pham number 195848 has 12 members, 1 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 11 of the 11 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: 11 of 11
- 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 10 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 11 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 11 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 11 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 11 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 11 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 11 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 11 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 11 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 11 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 11 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 11 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 11 MA's), (11, 23193), (17, 23256), (18, 23316), (19, 23322), (26, 23457), (27, 23463), (29, 23493), (30, 23544), (32, 23580), (38, 23682), (39, 23688),