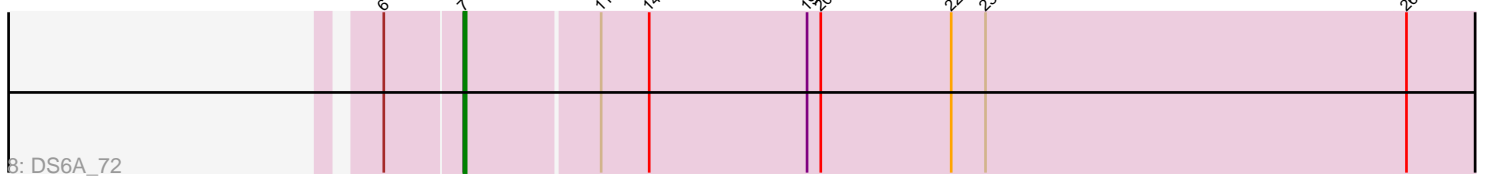
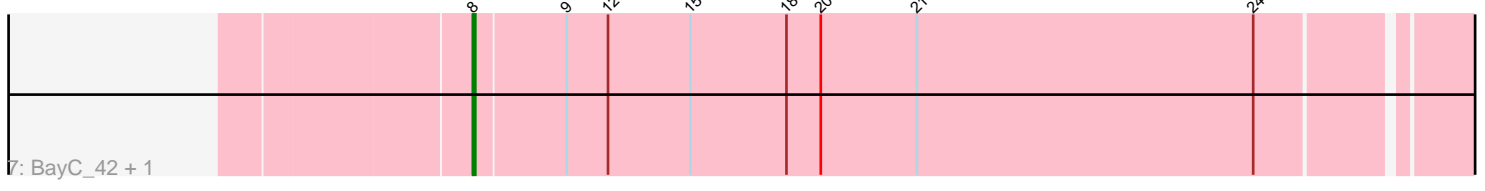
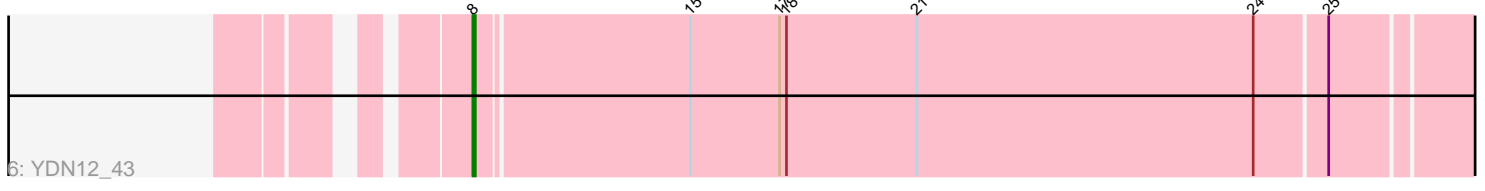
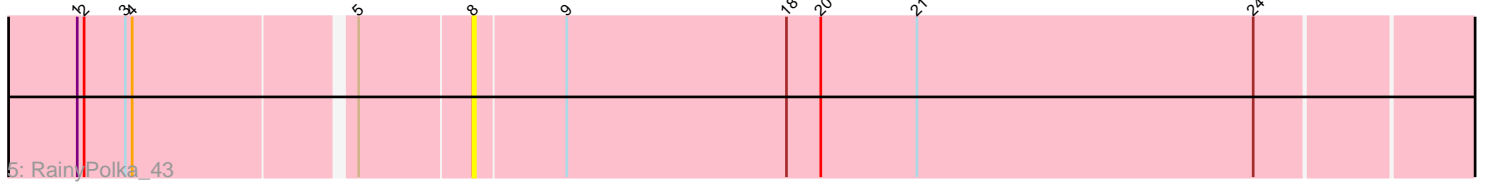
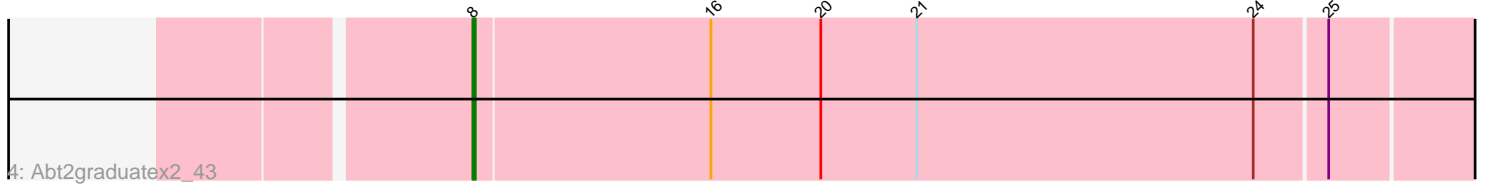
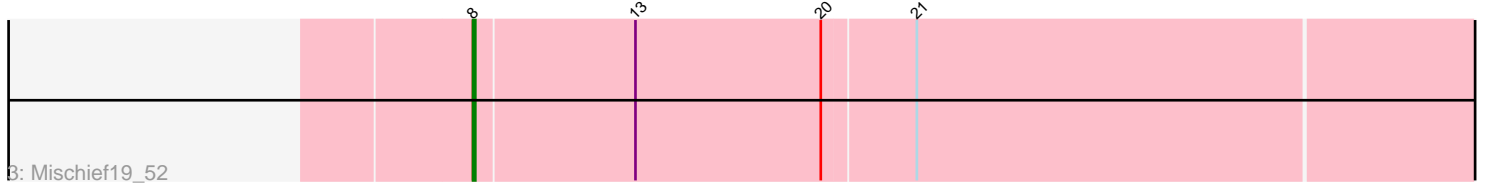
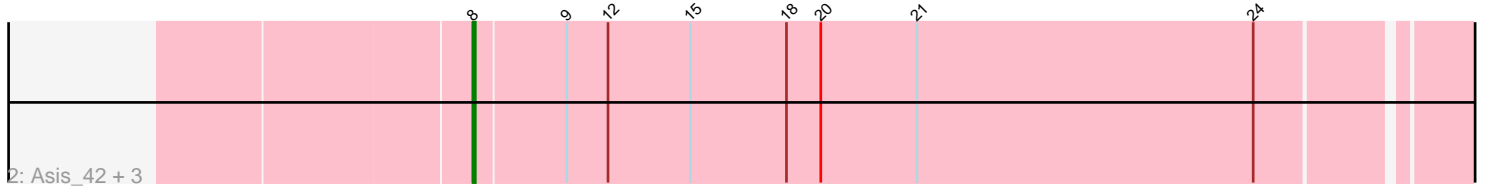
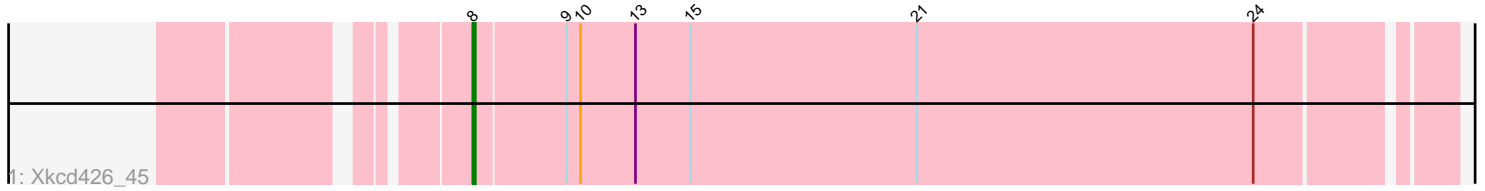


Pham 221972



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 221972 Report

This analysis was run 03/28/25 on database version 593.

Pham number 221972 has 12 members, 1 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 10 of the 11 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 11
- 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: 10 of 11
- 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 10 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 10 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 10 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 10 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 10 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 10 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 10 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 10 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 10 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 10 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 10 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 10 MA's), (15, 33648), (17, 33609), (18, 33606), (21, 33549), (24, 33402), (25, 33372),