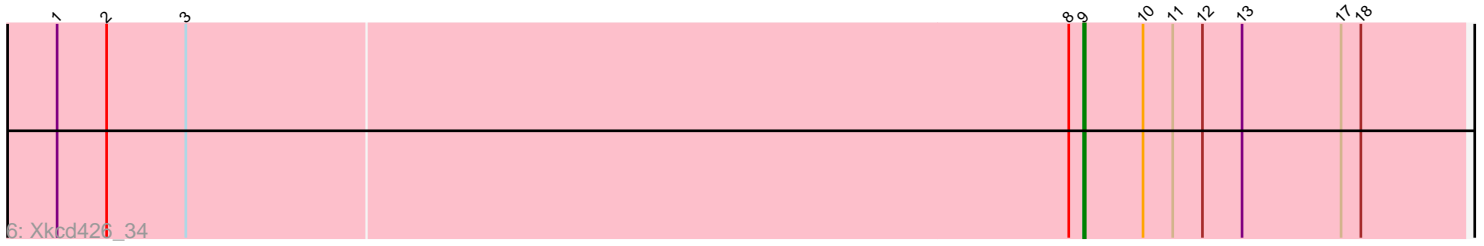
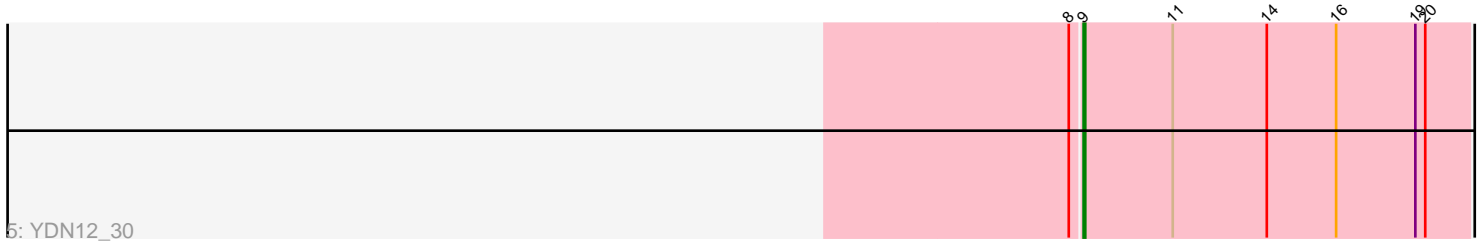
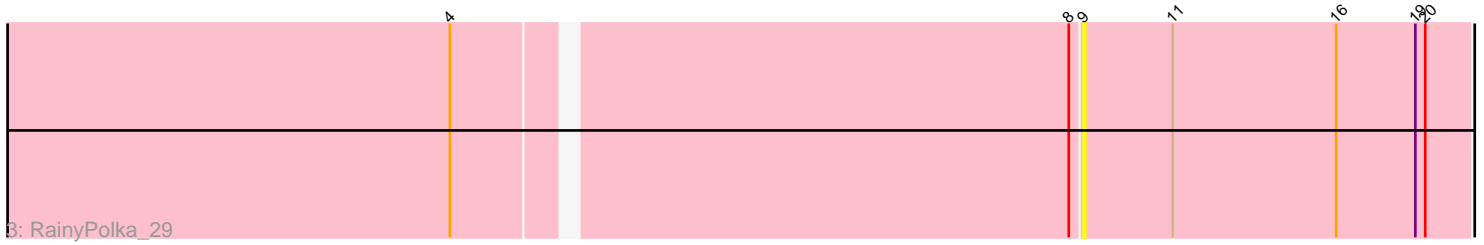
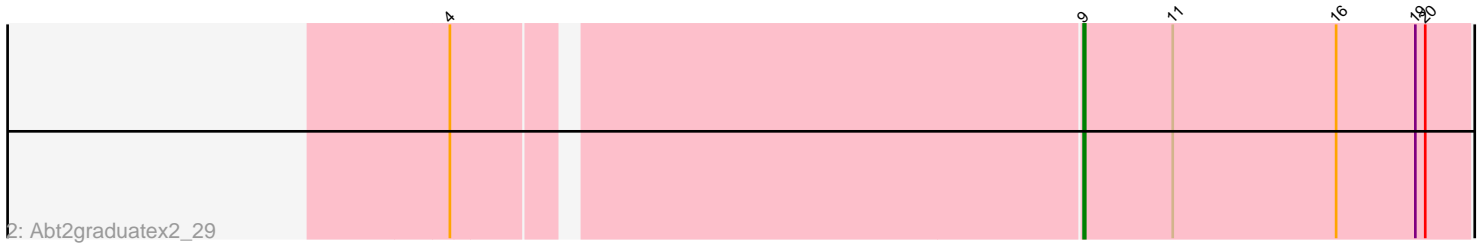
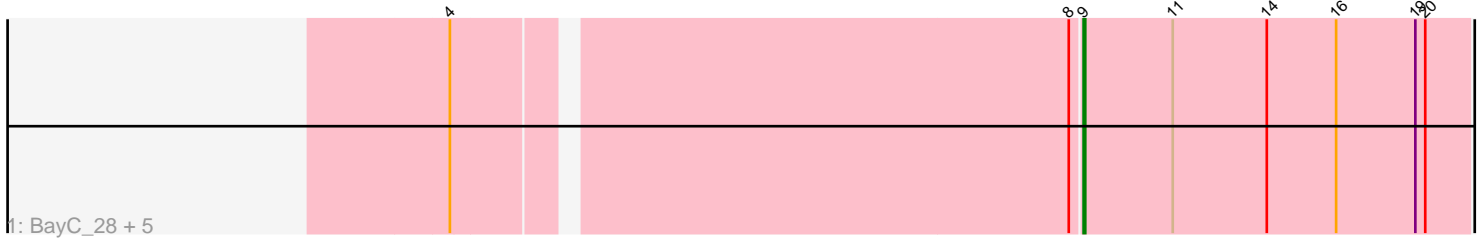


Pham 170502



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 170502 Report

This analysis was run 07/09/24 on database version 566.

Pham number 170502 has 11 members, 1 are drafts.

Phages represented in each track:

- Track 1 : BayC_28, TP1604_28, Salete_28, Asis_28, BabyGotBac_28, Maih_28
- Track 2 : Abt2graduatex2_29
- Track 3 : RainyPolka_29
- Track 4 : Mischief19_38
- Track 5 : YDN12_30
- Track 6 : Xkcd426_34

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 9, it was called in 9 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abt2graduatex2_29, Asis_28, BabyGotBac_28, BayC_28, Maih_28, RainyPolka_29, Salete_28, TP1604_28, Xkcd426_34, YDN12_30,

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

-

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

- Mischief19_38,

Summary by start number:

Start 5:

- Found in 1 of 11 (9.1%) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Mischief19_38 (BG),

Start 9:

- Found in 10 of 11 (90.9%) of genes in pham
- Manual Annotations of this start: 9 of 10
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Abt2graduatex2_29 (BG), Asis_28 (BG), BabyGotBac_28 (BG), BayC_28 (BG), Maih_28 (BG), RainyPolka_29 (BG), Salete_28 (BG), TP1604_28 (BG), Xkcd426_34 (BG), YDN12_30 (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 1 time for cluster BG.
- Start number 9 was manually annotated 9 times for cluster BG.

Gene Information:

Gene: Abt2graduatex2_29 Start: 27424, Stop: 27657, Start Num: 9

Candidate Starts for Abt2graduatex2_29:

(4, 27064), (Start: 9 @27424 has 9 MA's), (11, 27478), (16, 27577), (19, 27625), (20, 27631),

Gene: Asis_28 Start: 26826, Stop: 27059, Start Num: 9

Candidate Starts for Asis_28:

(4, 26466), (8, 26820), (Start: 9 @26826 has 9 MA's), (11, 26880), (14, 26937), (16, 26979), (19, 27027), (20, 27033),

Gene: BabyGotBac_28 Start: 26826, Stop: 27059, Start Num: 9

Candidate Starts for BabyGotBac_28:

(4, 26466), (8, 26820), (Start: 9 @26826 has 9 MA's), (11, 26880), (14, 26937), (16, 26979), (19, 27027), (20, 27033),

Gene: BayC_28 Start: 26826, Stop: 27059, Start Num: 9

Candidate Starts for BayC_28:

(4, 26466), (8, 26820), (Start: 9 @26826 has 9 MA's), (11, 26880), (14, 26937), (16, 26979), (19, 27027), (20, 27033),

Gene: Maih_28 Start: 26825, Stop: 27058, Start Num: 9

Candidate Starts for Maih_28:

(4, 26465), (8, 26819), (Start: 9 @26825 has 9 MA's), (11, 26879), (14, 26936), (16, 26978), (19, 27026), (20, 27032),

Gene: Mischief19_38 Start: 38880, Stop: 38572, Start Num: 5

Candidate Starts for Mischief19_38:

(Start: 5 @38880 has 1 MA's), (6, 38850), (7, 38841), (15, 38697),

Gene: RainyPolka_29 Start: 27290, Stop: 27523, Start Num: 9

Candidate Starts for RainyPolka_29:

(4, 26930), (8, 27284), (Start: 9 @27290 has 9 MA's), (11, 27344), (16, 27443), (19, 27491), (20, 27497),

Gene: Salete_28 Start: 26826, Stop: 27059, Start Num: 9

Candidate Starts for Salete_28:

(4, 26466), (8, 26820), (Start: 9 @26826 has 9 MA's), (11, 26880), (14, 26937), (16, 26979), (19, 27027), (20, 27033),

Gene: TP1604_28 Start: 26826, Stop: 27059, Start Num: 9

Candidate Starts for TP1604_28:

(4, 26466), (8, 26820), (Start: 9 @26826 has 9 MA's), (11, 26880), (14, 26937), (16, 26979), (19, 27027), (20, 27033),

Gene: Xkcd426_34 Start: 34271, Stop: 34501, Start Num: 9

Candidate Starts for Xkcd426_34:

(1, 33653), (2, 33683), (3, 33731), (8, 34262), (Start: 9 @34271 has 9 MA's), (10, 34307), (11, 34325), (12, 34343), (13, 34367), (17, 34427), (18, 34439),

Gene: YDN12_30 Start: 26792, Stop: 27025, Start Num: 9

Candidate Starts for YDN12_30:

(8, 26786), (Start: 9 @26792 has 9 MA's), (11, 26846), (14, 26903), (16, 26945), (19, 26993), (20, 26999),