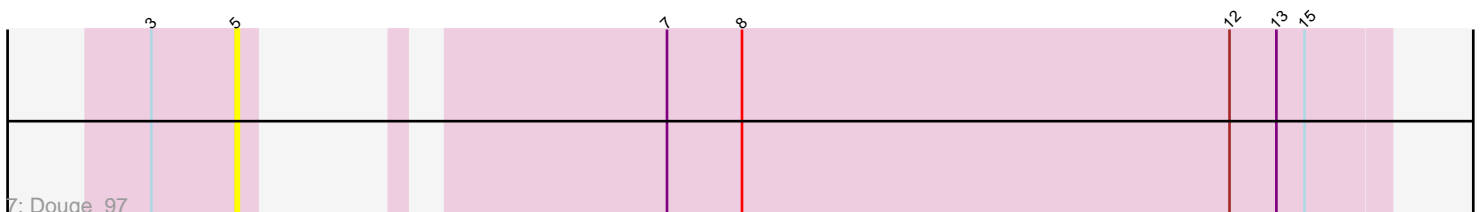
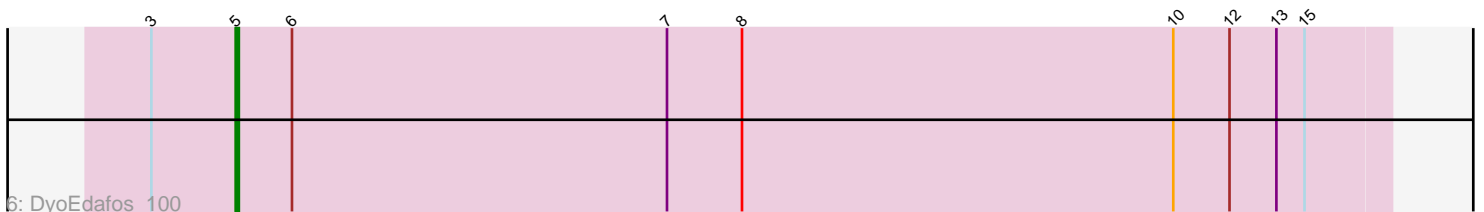
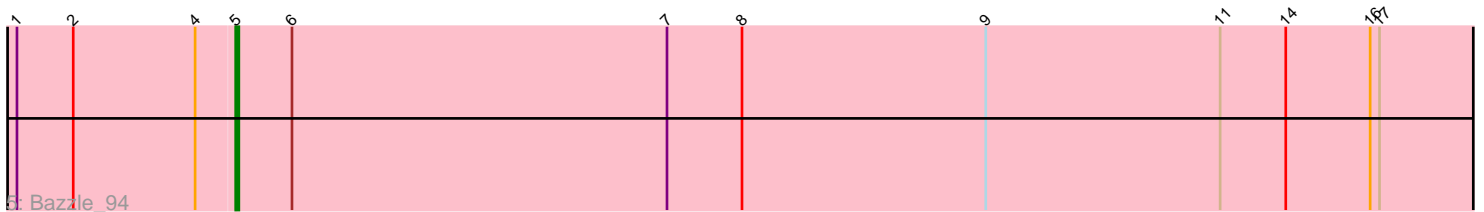
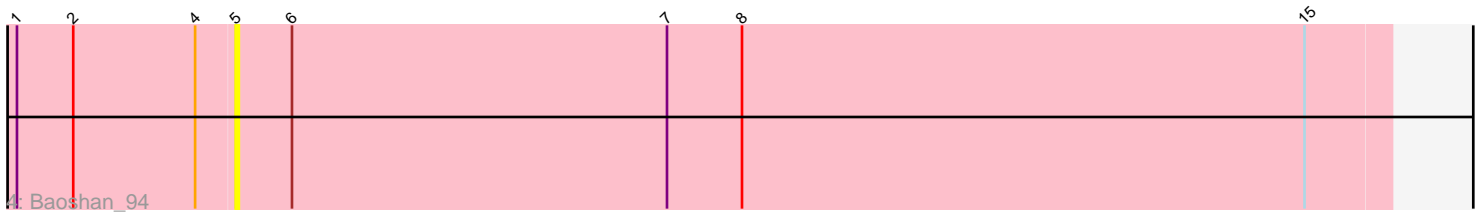
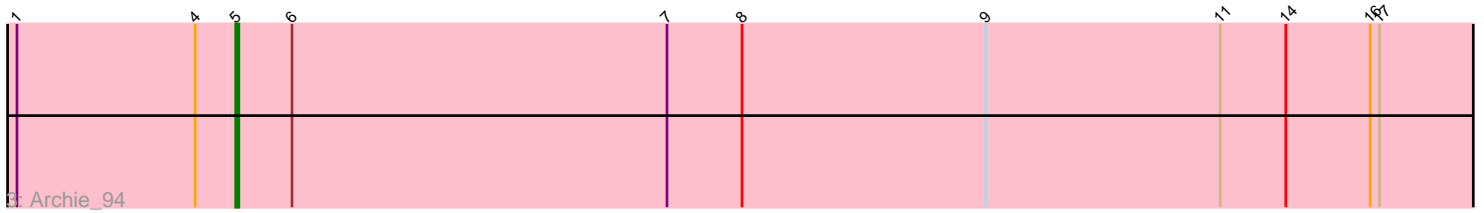
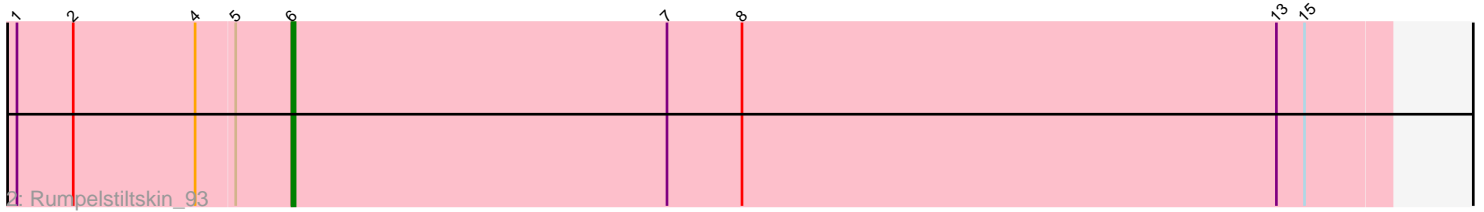
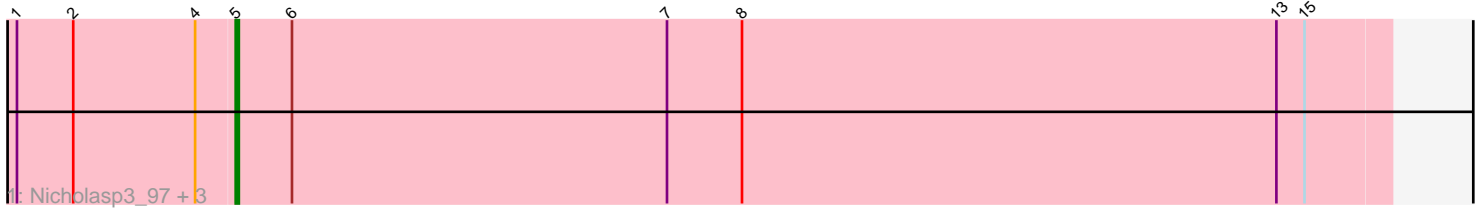


Pham 168743



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 168743 Report

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

Pham number 168743 has 10 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Nicholasp3_97, Gardann_97, Kahlid_96, Finemlucis_98
- Track 2 : Rumpelstiltskin_93
- Track 3 : Archie_94
- Track 4 : Baoshan_94
- Track 5 : Bazzle_94
- Track 6 : DyoEdafos_100
- Track 7 : Douge_97

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

The start number called the most often in the published annotations is 5, it was called in 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Archie_94, Baoshan_94, Bazzle_94, Douge_97, DyoEdafos_100, Finemlucis_98, Gardann_97, Kahlid_96, Nicholasp3_97,

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

- Rumpelstiltskin_93,

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

-

Summary by start number:

Start 5:

- Found in 10 of 10 (100.0%) of genes in pham
- Manual Annotations of this start: 7 of 8
- Called 90.0% of time when present
- Phage (with cluster) where this start called: Archie_94 (L2), Baoshan_94 (L2), Bazzle_94 (L2), Douge_97 (L4), DyoEdafos_100 (L4), Finemlucis_98 (L2), Gardann_97 (L2), Kahlid_96 (L2), Nicholasp3_97 (L2),

Start 6:

- Found in 9 of 10 (90.0%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 11.1% of time when present
- Phage (with cluster) where this start called: Rumpelstiltskin_93 (L2),

Summary by clusters:

There are 2 clusters represented in this pham: L4, L2,

Info for manual annotations of cluster L2:

- Start number 5 was manually annotated 6 times for cluster L2.
- Start number 6 was manually annotated 1 time for cluster L2.

Info for manual annotations of cluster L4:

- Start number 5 was manually annotated 1 time for cluster L4.

Gene Information:

Gene: Archie_94 Start: 59796, Stop: 60203, Start Num: 5

Candidate Starts for Archie_94:

(1, 59727), (4, 59784), (Start: 5 @59796 has 7 MA's), (Start: 6 @59814 has 1 MA's), (7, 59934), (8, 59958), (9, 60036), (11, 60111), (14, 60132), (16, 60159), (17, 60162),

Gene: Baoshan_94 Start: 60451, Stop: 60819, Start Num: 5

Candidate Starts for Baoshan_94:

(1, 60382), (2, 60400), (4, 60439), (Start: 5 @60451 has 7 MA's), (Start: 6 @60469 has 1 MA's), (7, 60589), (8, 60613), (15, 60793),

Gene: Bazzle_94 Start: 60352, Stop: 60759, Start Num: 5

Candidate Starts for Bazzle_94:

(1, 60283), (2, 60301), (4, 60340), (Start: 5 @60352 has 7 MA's), (Start: 6 @60370 has 1 MA's), (7, 60490), (8, 60514), (9, 60592), (11, 60667), (14, 60688), (16, 60715), (17, 60718),

Gene: Douge_97 Start: 59692, Stop: 60006, Start Num: 5

Candidate Starts for Douge_97:

(3, 59665), (Start: 5 @59692 has 7 MA's), (7, 59776), (8, 59800), (12, 59956), (13, 59971), (15, 59980),

Gene: DyoEdafos_100 Start: 60281, Stop: 60649, Start Num: 5

Candidate Starts for DyoEdafos_100:

(3, 60254), (Start: 5 @60281 has 7 MA's), (Start: 6 @60299 has 1 MA's), (7, 60419), (8, 60443), (10, 60581), (12, 60599), (13, 60614), (15, 60623),

Gene: Finemlucis_98 Start: 61312, Stop: 61680, Start Num: 5

Candidate Starts for Finemlucis_98:

(1, 61243), (2, 61261), (4, 61300), (Start: 5 @61312 has 7 MA's), (Start: 6 @61330 has 1 MA's), (7, 61450), (8, 61474), (13, 61645), (15, 61654),

Gene: Gardann_97 Start: 60045, Stop: 60413, Start Num: 5

Candidate Starts for Gardann_97:

(1, 59976), (2, 59994), (4, 60033), (Start: 5 @60045 has 7 MA's), (Start: 6 @60063 has 1 MA's), (7, 60183), (8, 60207), (13, 60378), (15, 60387),

Gene: Kahlid_96 Start: 59963, Stop: 60331, Start Num: 5

Candidate Starts for Kahlid_96:

(1, 59894), (2, 59912), (4, 59951), (Start: 5 @59963 has 7 MA's), (Start: 6 @59981 has 1 MA's), (7, 60101), (8, 60125), (13, 60296), (15, 60305),

Gene: Nicholasp3_97 Start: 60045, Stop: 60413, Start Num: 5

Candidate Starts for Nicholasp3_97:

(1, 59976), (2, 59994), (4, 60033), (Start: 5 @60045 has 7 MA's), (Start: 6 @60063 has 1 MA's), (7, 60183), (8, 60207), (13, 60378), (15, 60387),

Gene: Rumpelstiltskin_93 Start: 59856, Stop: 60206, Start Num: 6

Candidate Starts for Rumpelstiltskin_93:

(1, 59769), (2, 59787), (4, 59826), (Start: 5 @59838 has 7 MA's), (Start: 6 @59856 has 1 MA's), (7, 59976), (8, 60000), (13, 60171), (15, 60180),