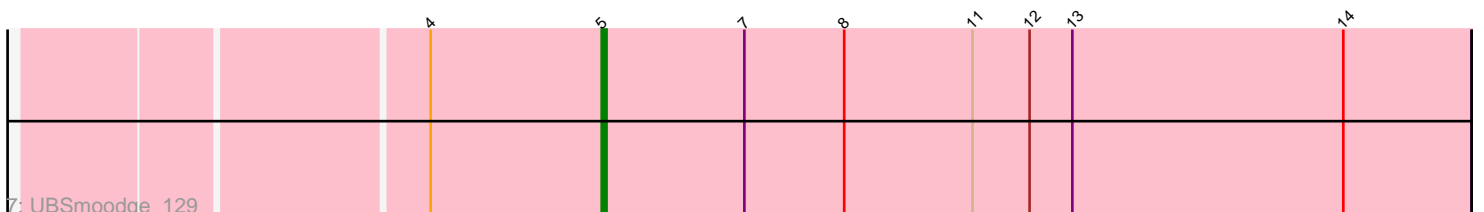
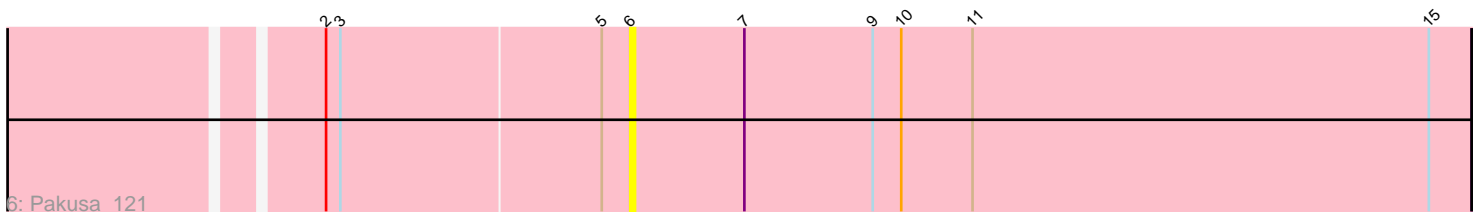
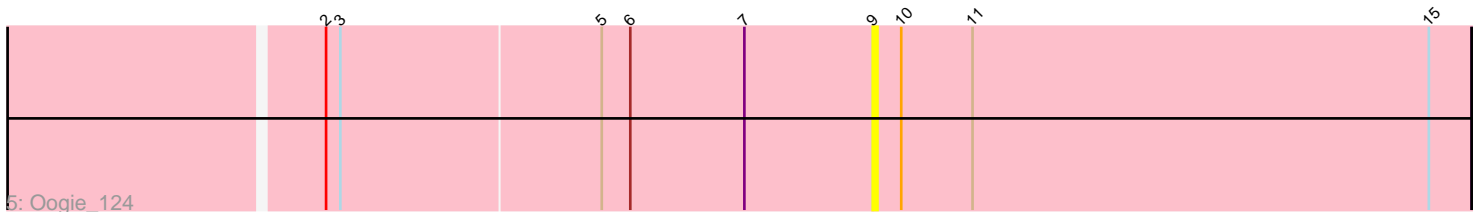
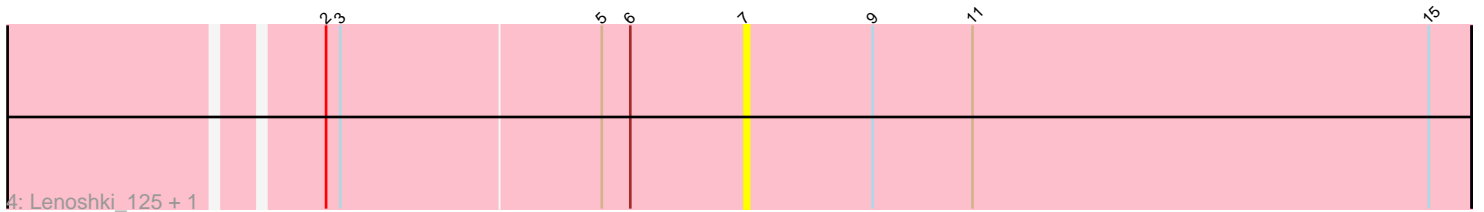
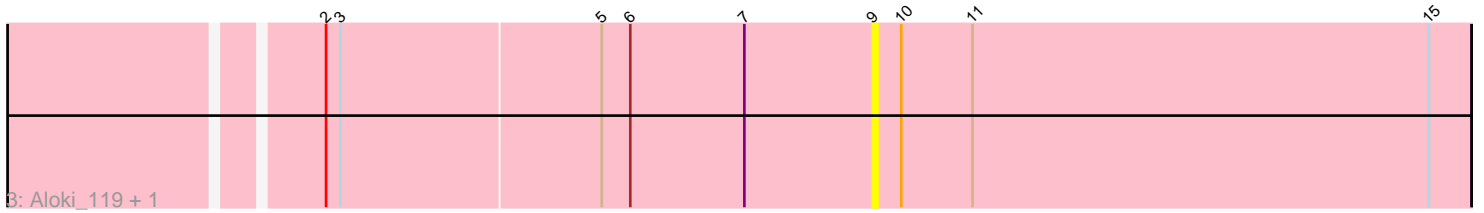
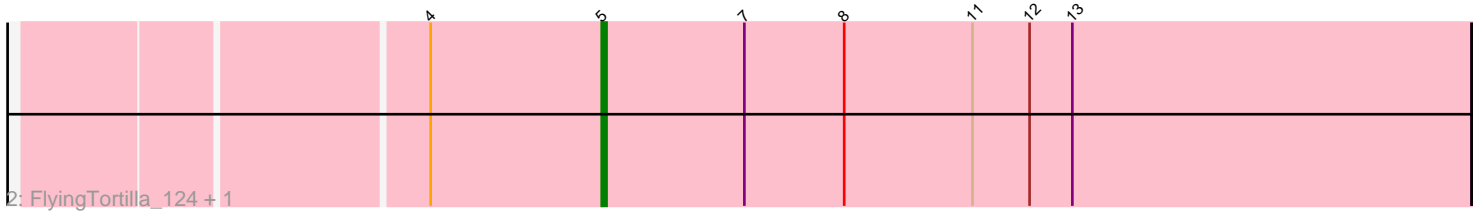
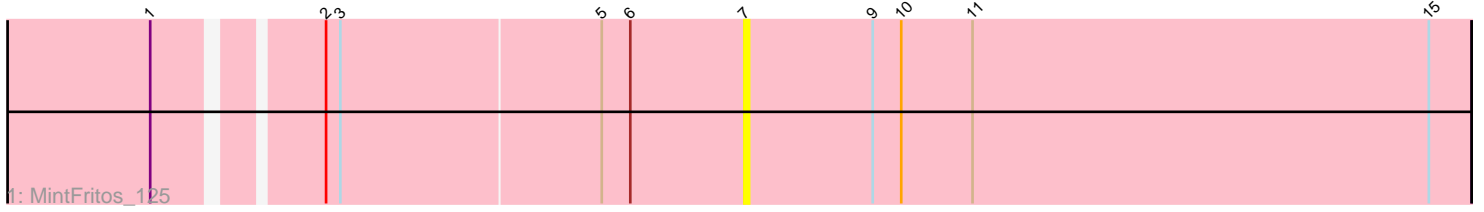


Pham 173572



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 173572 Report

This analysis was run 11/02/24 on database version 579.

Pham number 173572 has 10 members, 7 are drafts.

Phages represented in each track:

- Track 1 : MintFritos_125
- Track 2 : FlyingTortilla_124, ScarletRaider_125
- Track 3 : Aloki_119, Twin_122
- Track 4 : Lenoshki_125, Beted_125
- Track 5 : Oogie_124
- Track 6 : Pakusa_121
- Track 7 : UBSmoodge_129

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 3 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- FlyingTortilla_124, ScarletRaider_125, UBSmoodge_129,

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

- Aloki_119, Beted_125, Lenoshki_125, MintFritos_125, Oogie_124, Pakusa_121, Twin_122,

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: 3 of 3
- Called 30.0% of time when present
- Phage (with cluster) where this start called: FlyingTortilla_124 (DQ), ScarletRaider_125 (DQ), UBSmoodge_129 (DQ),

Start 6:

- Found in 7 of 10 (70.0%) of genes in pham

- No Manual Annotations of this start.
- Called 14.3% of time when present
- Phage (with cluster) where this start called: Pakusa_121 (DQ),

Start 7:

- Found in 10 of 10 (100.0%) of genes in pham
- No Manual Annotations of this start.
- Called 30.0% of time when present
- Phage (with cluster) where this start called: Beted_125 (DQ), Lenoshki_125 (DQ), MintFritos_125 (DQ),

Start 9:

- Found in 7 of 10 (70.0%) of genes in pham
- No Manual Annotations of this start.
- Called 42.9% of time when present
- Phage (with cluster) where this start called: Alok_119 (DQ), Oogie_124 (DQ), Twin_122 (DQ),

Summary by clusters:

There is one cluster represented in this pham: DQ

Info for manual annotations of cluster DQ:

- Start number 5 was manually annotated 3 times for cluster DQ.

Gene Information:

Gene: Alok_119 Start: 87877, Stop: 88002, Start Num: 9

Candidate Starts for Alok_119:

(2, 87763), (3, 87766), (Start: 5 @87820 has 3 MA's), (6, 87826), (7, 87850), (9, 87877), (10, 87883), (11, 87898), (15, 87994),

Gene: Beted_125 Start: 90224, Stop: 90376, Start Num: 7

Candidate Starts for Beted_125:

(2, 90137), (3, 90140), (Start: 5 @90194 has 3 MA's), (6, 90200), (7, 90224), (9, 90251), (11, 90272), (15, 90368),

Gene: FlyingTortilla_124 Start: 92296, Stop: 92478, Start Num: 5

Candidate Starts for FlyingTortilla_124:

(4, 92260), (Start: 5 @92296 has 3 MA's), (7, 92326), (8, 92347), (11, 92374), (12, 92386), (13, 92395),

Gene: Lenoshki_125 Start: 90224, Stop: 90376, Start Num: 7

Candidate Starts for Lenoshki_125:

(2, 90137), (3, 90140), (Start: 5 @90194 has 3 MA's), (6, 90200), (7, 90224), (9, 90251), (11, 90272), (15, 90368),

Gene: MintFritos_125 Start: 88803, Stop: 88955, Start Num: 7

Candidate Starts for MintFritos_125:

(1, 88686), (2, 88716), (3, 88719), (Start: 5 @88773 has 3 MA's), (6, 88779), (7, 88803), (9, 88830), (10, 88836), (11, 88851), (15, 88947),

Gene: Oogie_124 Start: 90304, Stop: 90429, Start Num: 9

Candidate Starts for Oogie_124:

(2, 90190), (3, 90193), (Start: 5 @90247 has 3 MA's), (6, 90253), (7, 90277), (9, 90304), (10, 90310), (11, 90325), (15, 90421),

Gene: Pakusa_121 Start: 87754, Stop: 87930, Start Num: 6

Candidate Starts for Pakusa_121:

(2, 87691), (3, 87694), (Start: 5 @87748 has 3 MA's), (6, 87754), (7, 87778), (9, 87805), (10, 87811), (11, 87826), (15, 87922),

Gene: ScarletRaider_125 Start: 91501, Stop: 91683, Start Num: 5

Candidate Starts for ScarletRaider_125:

(4, 91465), (Start: 5 @91501 has 3 MA's), (7, 91531), (8, 91552), (11, 91579), (12, 91591), (13, 91600),

Gene: Twin_122 Start: 88554, Stop: 88679, Start Num: 9

Candidate Starts for Twin_122:

(2, 88440), (3, 88443), (Start: 5 @88497 has 3 MA's), (6, 88503), (7, 88527), (9, 88554), (10, 88560), (11, 88575), (15, 88671),

Gene: UBSmoodge_129 Start: 92100, Stop: 92282, Start Num: 5

Candidate Starts for UBSmoodge_129:

(4, 92064), (Start: 5 @92100 has 3 MA's), (7, 92130), (8, 92151), (11, 92178), (12, 92190), (13, 92199), (14, 92256),