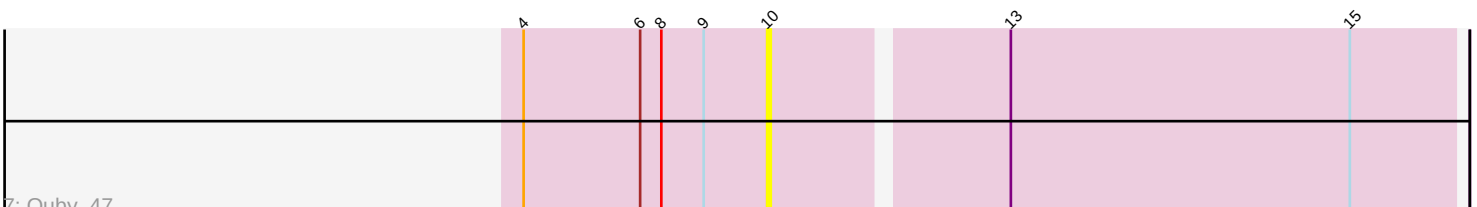
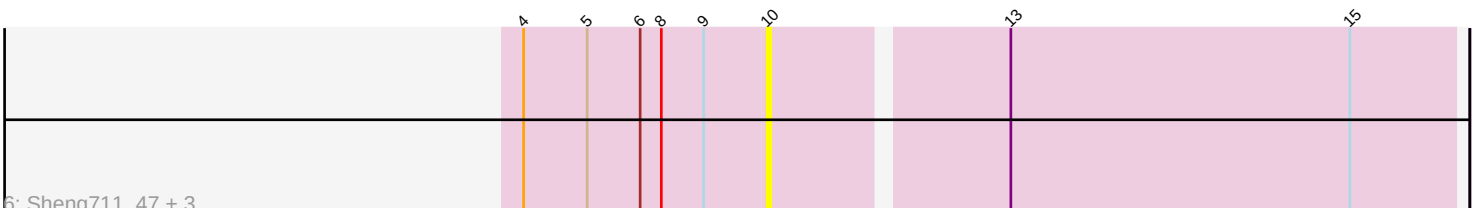
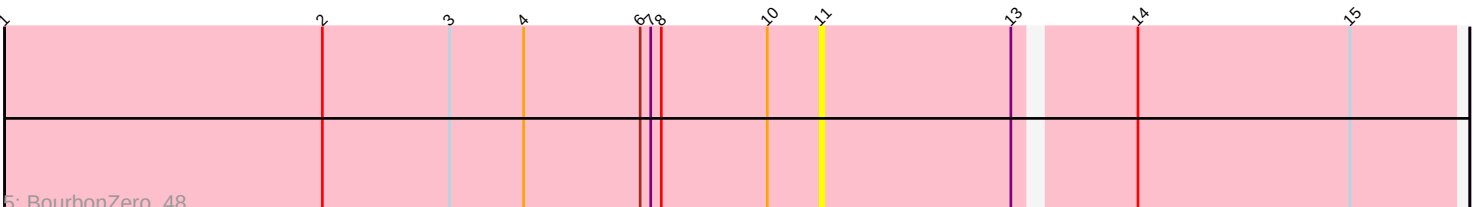
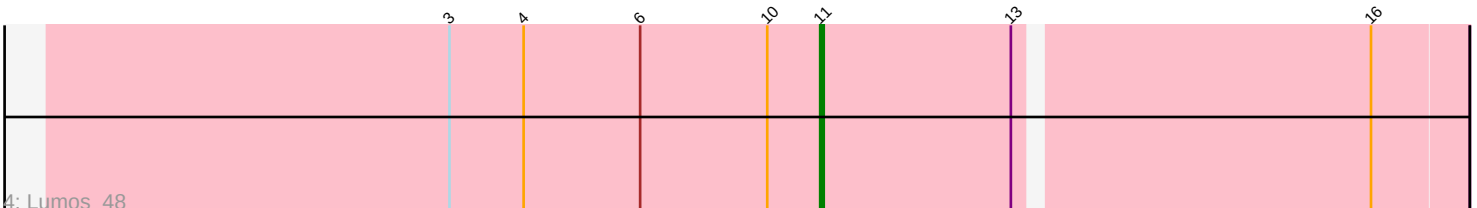
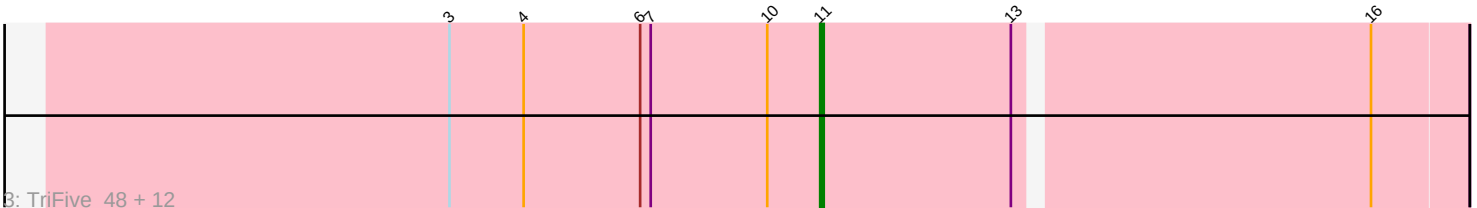
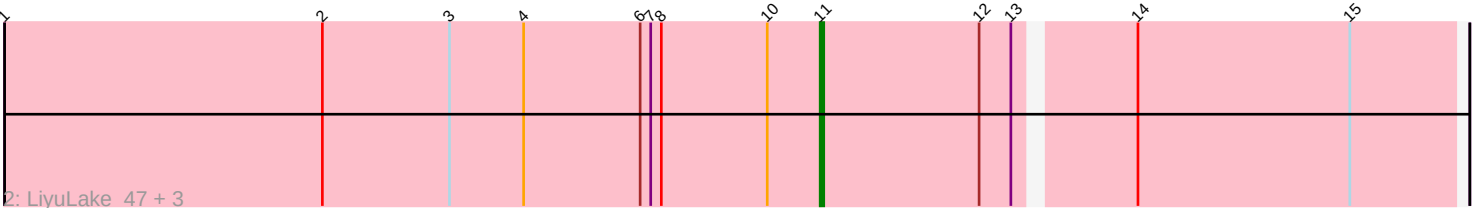
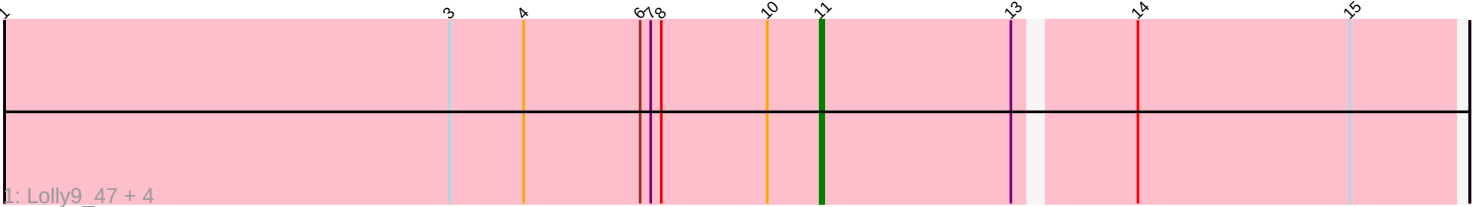


Pham 261707



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 261707 Report

This analysis was run 02/07/26 on database version 634.

Pham number 261707 has 29 members, 10 are drafts.

Phages represented in each track:

- Track 1 : Lolly9_47, MiniLon_49, Whirlwind_48, Krypton555_49, MiniMac_49
- Track 2 : LiyuLake_47, DuncansLeg_47, Ellson_47, KirDoubleO7_46
- Track 3 : TriFive_48, MsGreen_47, Snenia_47, Samty_47, Jubie_47, Clautastrophe_47, Kingsolomon_47, Finnry_47, Nicholas_47, Jobypre_48, Moostard_47, Bellis_47, Red305_48
- Track 4 : Lumos_48
- Track 5 : BourbonZero_48
- Track 6 : Sheng711_47, Douzhi_47, FarmResident_48, PYPDinur_45
- Track 7 : Quby_47

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

The start number called the most often in the published annotations is 11, it was called in 19 of the 19 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bellis_47, BourbonZero_48, Clautastrophe_47, DuncansLeg_47, Ellson_47, Finnry_47, Jobypre_48, Jubie_47, Kingsolomon_47, KirDoubleO7_46, Krypton555_49, LiyuLake_47, Lolly9_47, Lumos_48, MiniLon_49, MiniMac_49, Moostard_47, MsGreen_47, Nicholas_47, Red305_48, Samty_47, Snenia_47, TriFive_48, Whirlwind_48,

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

-

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

- Douzhi_47, FarmResident_48, PYPDinur_45, Quby_47, Sheng711_47,

Summary by start number:

Start 10:

- Found in 29 of 29 (100.0%) of genes in pham
- No Manual Annotations of this start.
- Called 17.2% of time when present

- Phage (with cluster) where this start called: Douzhi_47 (L4), FarmResident_48 (L4), PYPDinur_45 (L4), Quby_47 (L4), Sheng711_47 (L4),

Start 11:

- Found in 24 of 29 (82.8%) of genes in pham
- Manual Annotations of this start: 19 of 19
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bellis_47 (L3), BourbonZero_48 (L3), Clautastrophe_47 (L3), DuncansLeg_47 (L3), Ellson_47 (L3), Finnry_47 (L3), Jobypre_48 (L3), Jubie_47 (L3), Kingsolomon_47 (L3), KirDoubleO7_46 (L3), Krypton555_49 (L3), LiyuLake_47 (L3), Lolly9_47 (L3), Lumos_48 (L3), MiniLon_49 (L3), MiniMac_49 (L3), Moostard_47 (L3), MsGreen_47 (L3), Nicholas_47 (L3), Red305_48 (L3), Samty_47 (L3), Snenia_47 (L3), TriFive_48 (L3), Whirlwind_48 (L3),

Summary by clusters:

There are 2 clusters represented in this pham: L4, L3,

Info for manual annotations of cluster L3:

- Start number 11 was manually annotated 19 times for cluster L3.

Gene Information:

Gene: Bellis_47 Start: 38334, Stop: 38510, Start Num: 11

Candidate Starts for Bellis_47:

(3, 38229), (4, 38250), (6, 38283), (7, 38286), (10, 38319), (Start: 11 @38334 has 19 MA's), (13, 38388), (16, 38484),

Gene: BourbonZero_48 Start: 38374, Stop: 38547, Start Num: 11

Candidate Starts for BourbonZero_48:

(1, 38143), (2, 38233), (3, 38269), (4, 38290), (6, 38323), (7, 38326), (8, 38329), (10, 38359), (Start: 11 @38374 has 19 MA's), (13, 38428), (14, 38458), (15, 38518),

Gene: Clautastrophe_47 Start: 38331, Stop: 38507, Start Num: 11

Candidate Starts for Clautastrophe_47:

(3, 38226), (4, 38247), (6, 38280), (7, 38283), (10, 38316), (Start: 11 @38331 has 19 MA's), (13, 38385), (16, 38481),

Gene: Douzhi_47 Start: 36797, Stop: 36985, Start Num: 10

Candidate Starts for Douzhi_47:

(4, 36728), (5, 36746), (6, 36761), (8, 36767), (9, 36779), (10, 36797), (13, 36860), (15, 36956),

Gene: DuncansLeg_47 Start: 38357, Stop: 38530, Start Num: 11

Candidate Starts for DuncansLeg_47:

(1, 38126), (2, 38216), (3, 38252), (4, 38273), (6, 38306), (7, 38309), (8, 38312), (10, 38342), (Start: 11 @38357 has 19 MA's), (12, 38402), (13, 38411), (14, 38441), (15, 38501),

Gene: Ellson_47 Start: 38387, Stop: 38560, Start Num: 11

Candidate Starts for Ellson_47:

(1, 38156), (2, 38246), (3, 38282), (4, 38303), (6, 38336), (7, 38339), (8, 38342), (10, 38372), (Start: 11 @38387 has 19 MA's), (12, 38432), (13, 38441), (14, 38471), (15, 38531),

Gene: FarmResident_48 Start: 36768, Stop: 36956, Start Num: 10

Candidate Starts for FarmResident_48:

(4, 36699), (5, 36717), (6, 36732), (8, 36738), (9, 36750), (10, 36768), (13, 36831), (15, 36927),

Gene: Finnry_47 Start: 38335, Stop: 38511, Start Num: 11

Candidate Starts for Finnry_47:

(3, 38230), (4, 38251), (6, 38284), (7, 38287), (10, 38320), (Start: 11 @38335 has 19 MA's), (13, 38389), (16, 38485),

Gene: Jobypre_48 Start: 38331, Stop: 38507, Start Num: 11

Candidate Starts for Jobypre_48:

(3, 38226), (4, 38247), (6, 38280), (7, 38283), (10, 38316), (Start: 11 @38331 has 19 MA's), (13, 38385), (16, 38481),

Gene: Jubie_47 Start: 38332, Stop: 38508, Start Num: 11

Candidate Starts for Jubie_47:

(3, 38227), (4, 38248), (6, 38281), (7, 38284), (10, 38317), (Start: 11 @38332 has 19 MA's), (13, 38386), (16, 38482),

Gene: Kingsolomon_47 Start: 38331, Stop: 38507, Start Num: 11

Candidate Starts for Kingsolomon_47:

(3, 38226), (4, 38247), (6, 38280), (7, 38283), (10, 38316), (Start: 11 @38331 has 19 MA's), (13, 38385), (16, 38481),

Gene: KirDoubleO7_46 Start: 38361, Stop: 38534, Start Num: 11

Candidate Starts for KirDoubleO7_46:

(1, 38130), (2, 38220), (3, 38256), (4, 38277), (6, 38310), (7, 38313), (8, 38316), (10, 38346), (Start: 11 @38361 has 19 MA's), (12, 38406), (13, 38415), (14, 38445), (15, 38505),

Gene: Krypton555_49 Start: 38305, Stop: 38478, Start Num: 11

Candidate Starts for Krypton555_49:

(1, 38074), (3, 38200), (4, 38221), (6, 38254), (7, 38257), (8, 38260), (10, 38290), (Start: 11 @38305 has 19 MA's), (13, 38359), (14, 38389), (15, 38449),

Gene: LiyuLake_47 Start: 38377, Stop: 38550, Start Num: 11

Candidate Starts for LiyuLake_47:

(1, 38146), (2, 38236), (3, 38272), (4, 38293), (6, 38326), (7, 38329), (8, 38332), (10, 38362), (Start: 11 @38377 has 19 MA's), (12, 38422), (13, 38431), (14, 38461), (15, 38521),

Gene: Lolly9_47 Start: 38143, Stop: 38316, Start Num: 11

Candidate Starts for Lolly9_47:

(1, 37912), (3, 38038), (4, 38059), (6, 38092), (7, 38095), (8, 38098), (10, 38128), (Start: 11 @38143 has 19 MA's), (13, 38197), (14, 38227), (15, 38287),

Gene: Lumos_48 Start: 38328, Stop: 38504, Start Num: 11

Candidate Starts for Lumos_48:

(3, 38223), (4, 38244), (6, 38277), (10, 38313), (Start: 11 @38328 has 19 MA's), (13, 38382), (16, 38478),

Gene: MiniLon_49 Start: 38144, Stop: 38317, Start Num: 11

Candidate Starts for MiniLon_49:

(1, 37913), (3, 38039), (4, 38060), (6, 38093), (7, 38096), (8, 38099), (10, 38129), (Start: 11 @38144 has 19 MA's), (13, 38198), (14, 38228), (15, 38288),

Gene: MiniMac_49 Start: 38142, Stop: 38315, Start Num: 11

Candidate Starts for MiniMac_49:

(1, 37911), (3, 38037), (4, 38058), (6, 38091), (7, 38094), (8, 38097), (10, 38127), (Start: 11 @38142 has 19 MA's), (13, 38196), (14, 38226), (15, 38286),

Gene: Moostard_47 Start: 38334, Stop: 38510, Start Num: 11

Candidate Starts for Moostard_47:

(3, 38229), (4, 38250), (6, 38283), (7, 38286), (10, 38319), (Start: 11 @38334 has 19 MA's), (13, 38388), (16, 38484),

Gene: MsGreen_47 Start: 38331, Stop: 38507, Start Num: 11

Candidate Starts for MsGreen_47:

(3, 38226), (4, 38247), (6, 38280), (7, 38283), (10, 38316), (Start: 11 @38331 has 19 MA's), (13, 38385), (16, 38481),

Gene: Nicholas_47 Start: 38331, Stop: 38507, Start Num: 11

Candidate Starts for Nicholas_47:

(3, 38226), (4, 38247), (6, 38280), (7, 38283), (10, 38316), (Start: 11 @38331 has 19 MA's), (13, 38385), (16, 38481),

Gene: PYPDinur_45 Start: 36829, Stop: 37017, Start Num: 10

Candidate Starts for PYPDinur_45:

(4, 36760), (5, 36778), (6, 36793), (8, 36799), (9, 36811), (10, 36829), (13, 36892), (15, 36988),

Gene: Quby_47 Start: 36724, Stop: 36912, Start Num: 10

Candidate Starts for Quby_47:

(4, 36655), (6, 36688), (8, 36694), (9, 36706), (10, 36724), (13, 36787), (15, 36883),

Gene: Red305_48 Start: 38331, Stop: 38507, Start Num: 11

Candidate Starts for Red305_48:

(3, 38226), (4, 38247), (6, 38280), (7, 38283), (10, 38316), (Start: 11 @38331 has 19 MA's), (13, 38385), (16, 38481),

Gene: Samty_47 Start: 38333, Stop: 38509, Start Num: 11

Candidate Starts for Samty_47:

(3, 38228), (4, 38249), (6, 38282), (7, 38285), (10, 38318), (Start: 11 @38333 has 19 MA's), (13, 38387), (16, 38483),

Gene: Sheng711_47 Start: 36807, Stop: 36995, Start Num: 10

Candidate Starts for Sheng711_47:

(4, 36738), (5, 36756), (6, 36771), (8, 36777), (9, 36789), (10, 36807), (13, 36870), (15, 36966),

Gene: Snenia_47 Start: 38332, Stop: 38508, Start Num: 11

Candidate Starts for Snenia_47:

(3, 38227), (4, 38248), (6, 38281), (7, 38284), (10, 38317), (Start: 11 @38332 has 19 MA's), (13, 38386), (16, 38482),

Gene: TriFive_48 Start: 38331, Stop: 38507, Start Num: 11

Candidate Starts for TriFive_48:

(3, 38226), (4, 38247), (6, 38280), (7, 38283), (10, 38316), (Start: 11 @38331 has 19 MA's), (13, 38385), (16, 38481),

Gene: Whirlwind_48 Start: 38147, Stop: 38320, Start Num: 11

Candidate Starts for Whirlwind_48:

(1, 37916), (3, 38042), (4, 38063), (6, 38096), (7, 38099), (8, 38102), (10, 38132), (Start: 11 @38147 has 19 MA's), (13, 38201), (14, 38231), (15, 38291),