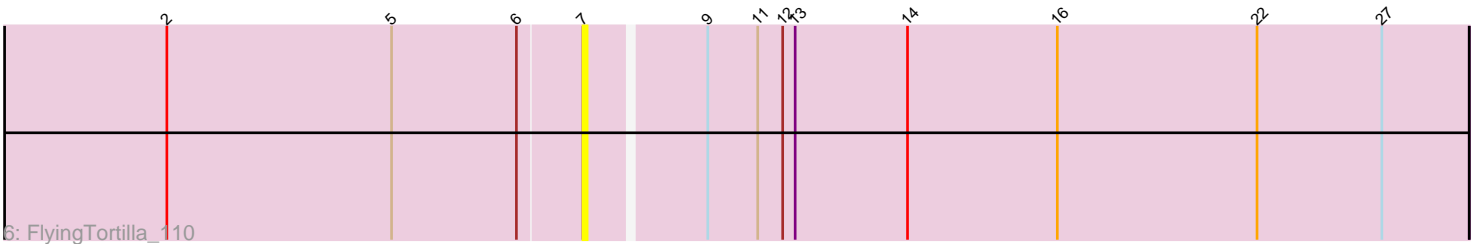
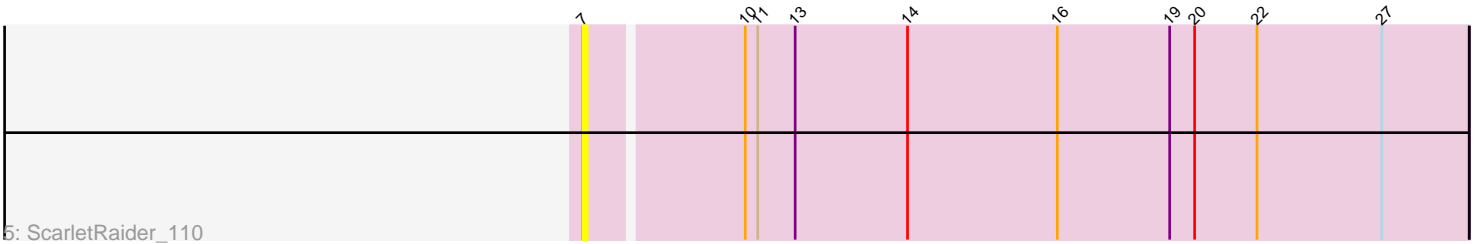
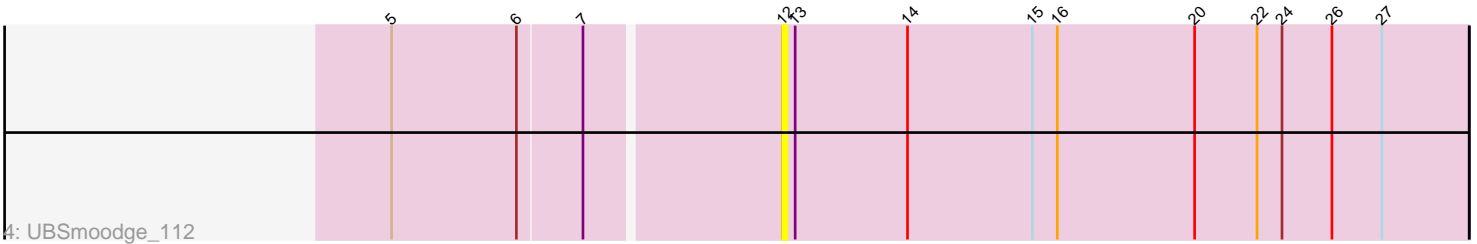
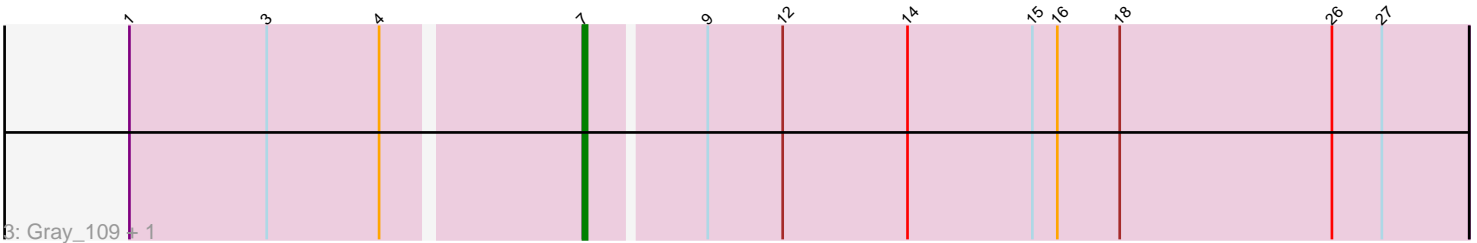
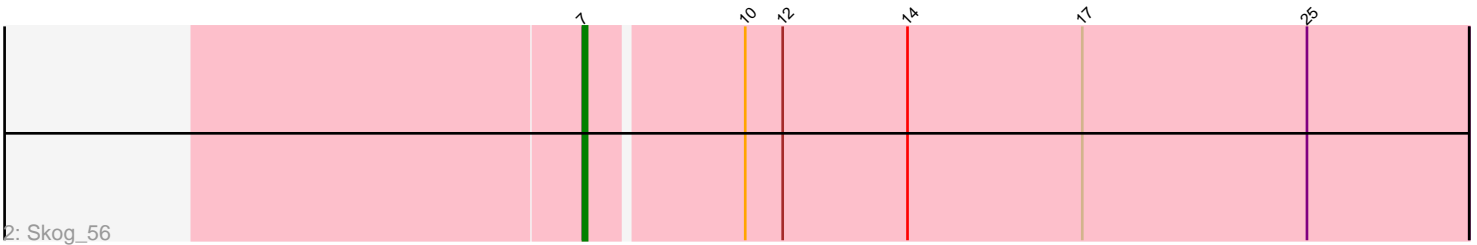
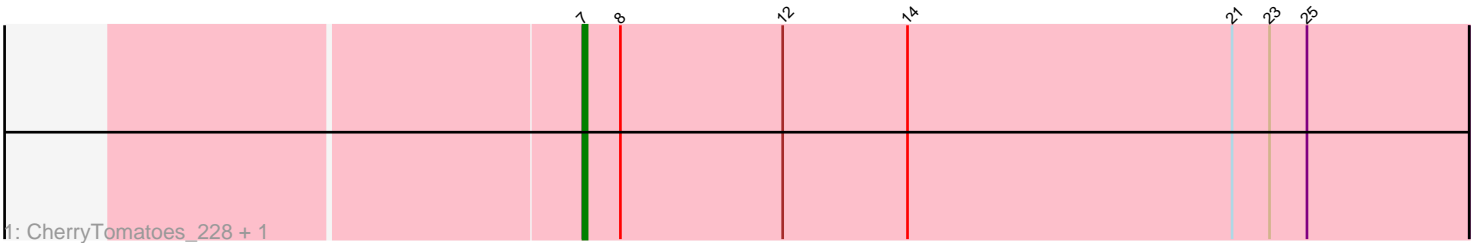


Pham 12357



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 12357 Report

This analysis was run 04/28/24 on database version 559.

Pham number 12357 has 8 members, 5 are drafts.

Phages represented in each track:

- Track 1 : CherryTomatoes_228, SCentae_219
- Track 2 : Skog_56
- Track 3 : Gray_109, Pakusa_106
- Track 4 : UBSmoodge_112
- Track 5 : ScarletRaider_110
- Track 6 : FlyingTortilla_110

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

The start number called the most often in the published annotations is 7, it was called in 3 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- CherryTomatoes_228, FlyingTortilla_110, Gray_109, Pakusa_106, SCentae_219, ScarletRaider_110, Skog_56,

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

- UBSmoodge_112,

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

•

Summary by start number:

Start 7:

- Found in 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 3 of 3
- Called 87.5% of time when present
- Phage (with cluster) where this start called: CherryTomatoes_228 (DO), FlyingTortilla_110 (DQ), Gray_109 (DQ), Pakusa_106 (DQ), SCentae_219 (DO), ScarletRaider_110 (DQ), Skog_56 (DO),

Start 12:

- Found in 7 of 8 (87.5%) of genes in pham

- No Manual Annotations of this start.
- Called 14.3% of time when present
- Phage (with cluster) where this start called: UBSmoodge_112 (DQ),

Summary by clusters:

There are 2 clusters represented in this pham: DO, DQ,

Info for manual annotations of cluster DO:

- Start number 7 was manually annotated 2 times for cluster DO.

Info for manual annotations of cluster DQ:

- Start number 7 was manually annotated 1 time for cluster DQ.

Gene Information:

Gene: CherryTomatoes_228 Start: 146008, Stop: 146220, Start Num: 7

Candidate Starts for CherryTomatoes_228:

(Start: 7 @146008 has 3 MA's), (8, 146017), (12, 146056), (14, 146086), (21, 146164), (23, 146173), (25, 146182),

Gene: FlyingTortilla_110 Start: 81465, Stop: 81674, Start Num: 7

Candidate Starts for FlyingTortilla_110:

(2, 81366), (5, 81420), (6, 81450), (Start: 7 @81465 has 3 MA's), (9, 81492), (11, 81504), (12, 81510), (13, 81513), (14, 81540), (16, 81576), (22, 81624), (27, 81654),

Gene: Gray_109 Start: 77715, Stop: 77924, Start Num: 7

Candidate Starts for Gray_109:

(1, 77610), (3, 77643), (4, 77670), (Start: 7 @77715 has 3 MA's), (9, 77742), (12, 77760), (14, 77790), (15, 77820), (16, 77826), (18, 77841), (26, 77892), (27, 77904),

Gene: Pakusa_106 Start: 77180, Stop: 77389, Start Num: 7

Candidate Starts for Pakusa_106:

(1, 77075), (3, 77108), (4, 77135), (Start: 7 @77180 has 3 MA's), (9, 77207), (12, 77225), (14, 77255), (15, 77285), (16, 77291), (18, 77306), (26, 77357), (27, 77369),

Gene: SCentae_219 Start: 145732, Stop: 145944, Start Num: 7

Candidate Starts for SCentae_219:

(Start: 7 @145732 has 3 MA's), (8, 145741), (12, 145780), (14, 145810), (21, 145888), (23, 145897), (25, 145906),

Gene: ScarletRaider_110 Start: 80682, Stop: 80891, Start Num: 7

Candidate Starts for ScarletRaider_110:

(Start: 7 @80682 has 3 MA's), (10, 80718), (11, 80721), (13, 80730), (14, 80757), (16, 80793), (19, 80820), (20, 80826), (22, 80841), (27, 80871),

Gene: Skog_56 Start: 23484, Stop: 23693, Start Num: 7

Candidate Starts for Skog_56:

(Start: 7 @23484 has 3 MA's), (10, 23520), (12, 23529), (14, 23559), (17, 23601), (25, 23655),

Gene: UBSmoodge_112 Start: 81297, Stop: 81461, Start Num: 12

Candidate Starts for UBSmoodge_112:

(5, 81207), (6, 81237), (Start: 7 @81252 has 3 MA's), (12, 81297), (13, 81300), (14, 81327), (15, 81357), (16, 81363), (20, 81396), (22, 81411), (24, 81417), (26, 81429), (27, 81441),