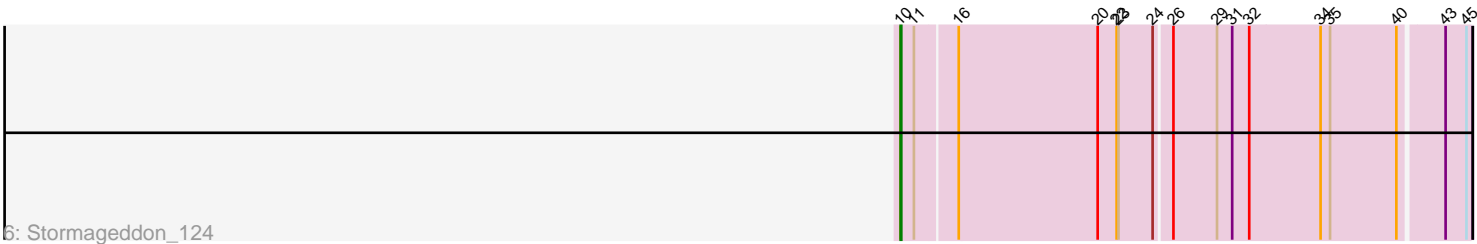
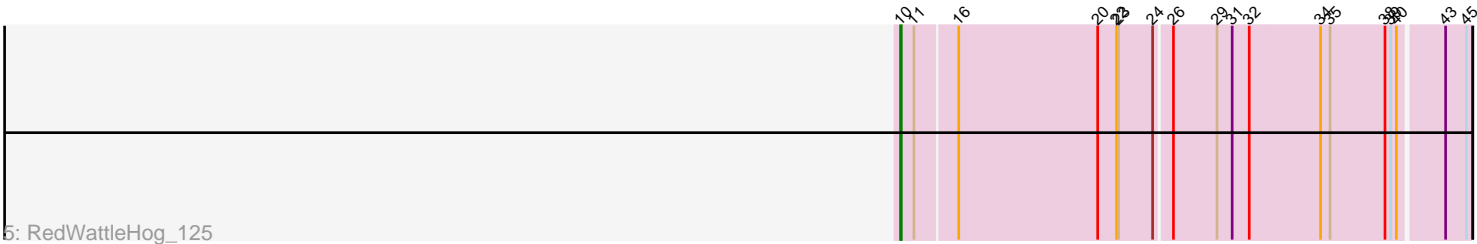
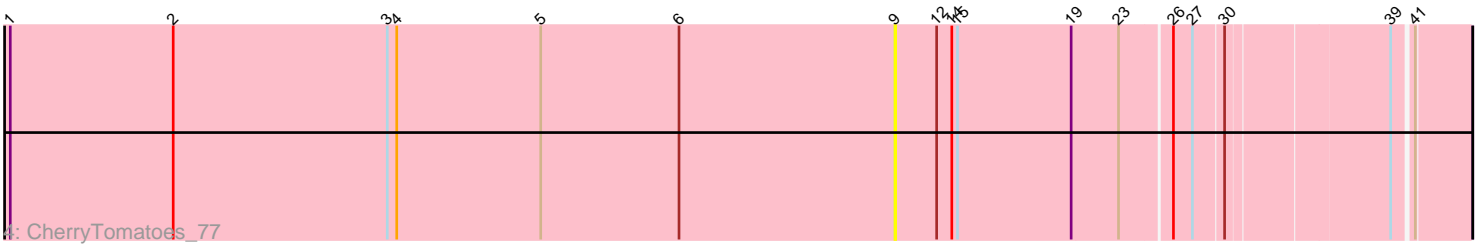
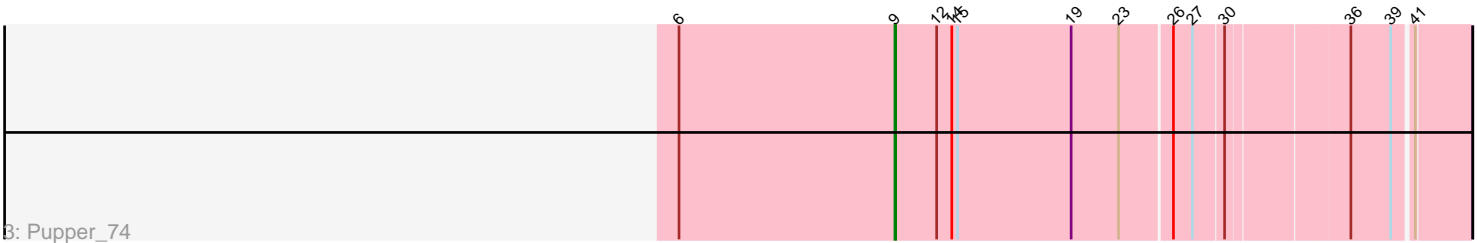
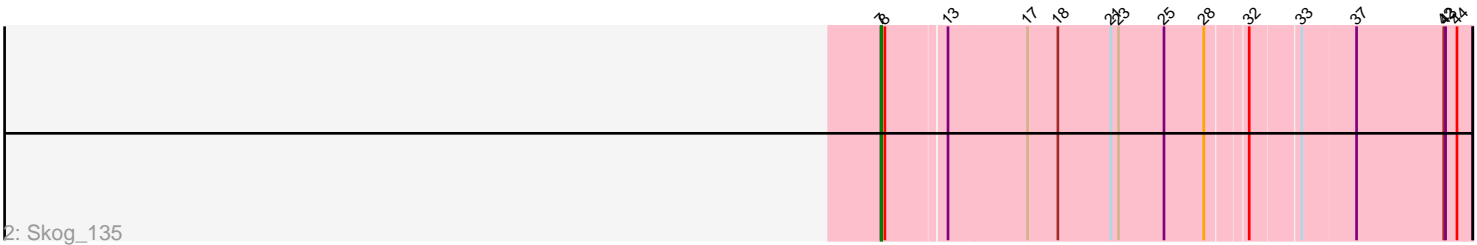
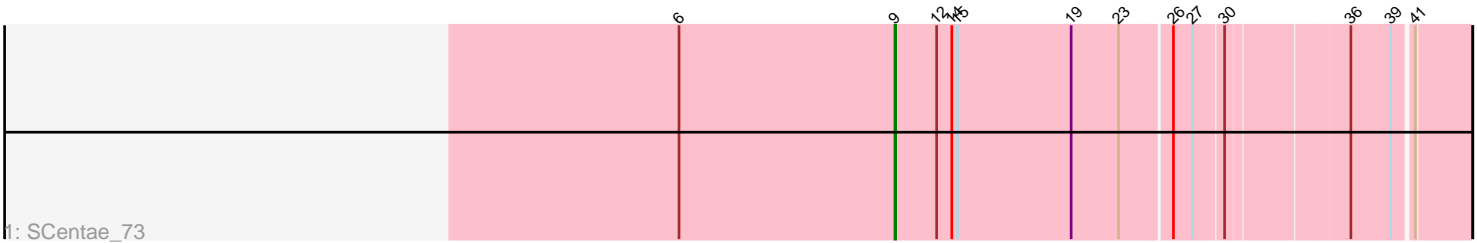


Pham 107232



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 107232 Report

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

Pham number 107232 has 6 members, 1 are drafts.

Phages represented in each track:

- Track 1 : SCentae_73
- Track 2 : Skog_135
- Track 3 : Pupper_74
- Track 4 : CherryTomatoes_77
- Track 5 : RedWattleHog_125
- Track 6 : Stormageddon_124

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 2 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- CherryTomatoes_77, Pupper_74, SCentae_73,

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

-

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

- RedWattleHog_125, Skog_135, Stormageddon_124,

Summary by start number:

Start 7:

- Found in 1 of 6 (16.7%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Skog_135 (DO),

Start 9:

- Found in 3 of 6 (50.0%) of genes in pham
- Manual Annotations of this start: 2 of 5
- Called 100.0% of time when present

- Phage (with cluster) where this start called: CherryTomatoes_77 (DO), Pupper_74 (DO), SCentae_73 (DO),

Start 10:

- Found in 2 of 6 (33.3%) of genes in pham
- Manual Annotations of this start: 2 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: RedWattleHog_125 (DX), Stormageddon_124 (DX),

Summary by clusters:

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

Info for manual annotations of cluster DO:

- Start number 7 was manually annotated 1 time for cluster DO.
- Start number 9 was manually annotated 2 times for cluster DO.

Info for manual annotations of cluster DX:

- Start number 10 was manually annotated 2 times for cluster DX.

Gene Information:

Gene: CherryTomatoes_77 Start: 27248, Stop: 28096, Start Num: 9

Candidate Starts for CherryTomatoes_77:

(1, 25847), (2, 26105), (3, 26444), (4, 26459), (5, 26687), (6, 26906), (Start: 9 @27248 has 2 MA's), (12, 27314), (14, 27338), (15, 27347), (19, 27527), (23, 27599), (26, 27674), (27, 27704), (30, 27749), (39, 27989), (41, 28016),

Gene: Pupper_74 Start: 27349, Stop: 28197, Start Num: 9

Candidate Starts for Pupper_74:

(6, 27007), (Start: 9 @27349 has 2 MA's), (12, 27415), (14, 27439), (15, 27448), (19, 27628), (23, 27700), (26, 27775), (27, 27805), (30, 27850), (36, 28027), (39, 28090), (41, 28117),

Gene: RedWattleHog_125 Start: 92967, Stop: 93830, Start Num: 10

Candidate Starts for RedWattleHog_125:

(Start: 10 @92967 has 2 MA's), (11, 92988), (16, 93048), (20, 93267), (22, 93297), (23, 93300), (24, 93354), (26, 93378), (29, 93447), (31, 93471), (32, 93498), (34, 93609), (35, 93624), (38, 93711), (39, 93720), (40, 93729), (43, 93792), (45, 93825),

Gene: SCentae_73 Start: 27103, Stop: 27951, Start Num: 9

Candidate Starts for SCentae_73:

(6, 26761), (Start: 9 @27103 has 2 MA's), (12, 27169), (14, 27193), (15, 27202), (19, 27382), (23, 27454), (26, 27529), (27, 27559), (30, 27604), (36, 27781), (39, 27844), (41, 27871),

Gene: Skog_135 Start: 56081, Stop: 56953, Start Num: 7

Candidate Starts for Skog_135:

(Start: 7 @56081 has 1 MA's), (8, 56087), (13, 56171), (17, 56291), (18, 56339), (21, 56420), (23, 56429), (25, 56501), (28, 56564), (32, 56618), (33, 56690), (37, 56771), (42, 56909), (43, 56912), (44, 56930),

Gene: Stormageddon_124 Start: 92901, Stop: 93764, Start Num: 10

Candidate Starts for Stormageddon_124:

(Start: 10 @92901 has 2 MA's), (11, 92922), (16, 92982), (20, 93201), (22, 93231), (23, 93234), (24, 93288), (26, 93312), (29, 93381), (31, 93405), (32, 93432), (34, 93543), (35, 93558), (40, 93663), (43, 93726), (45, 93759),