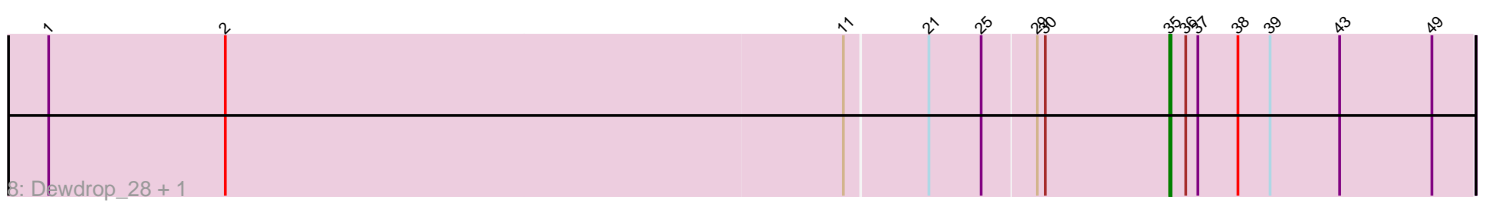
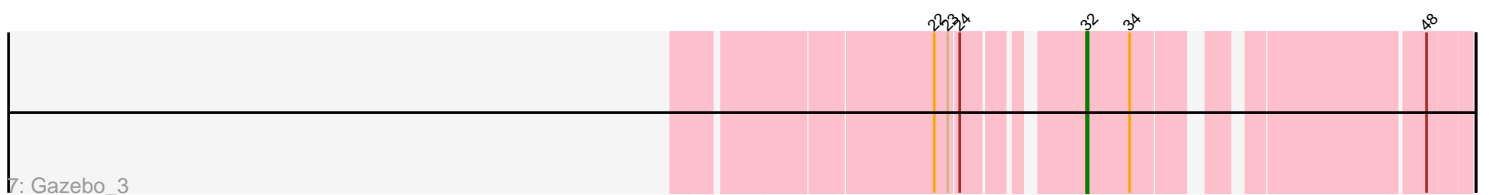
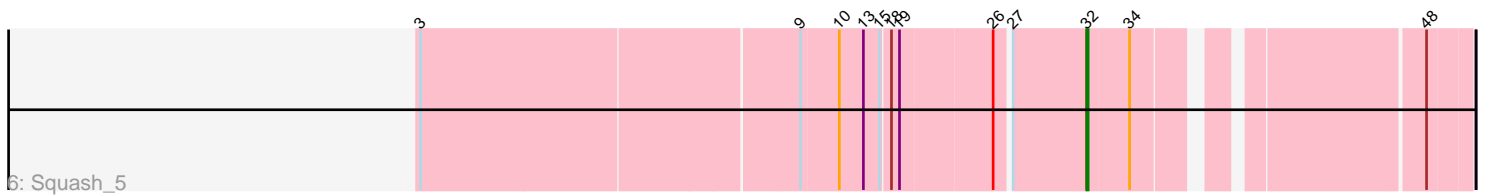
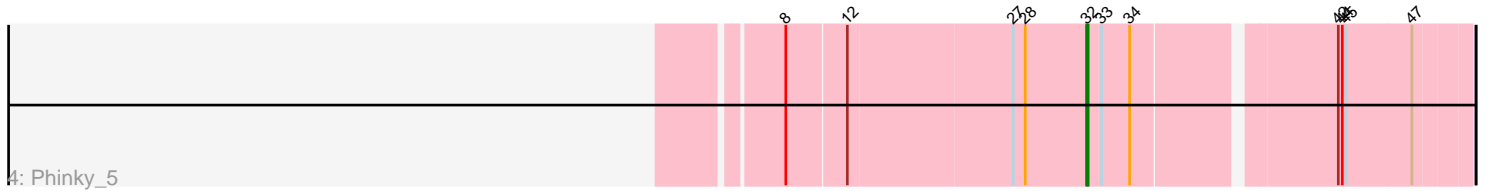
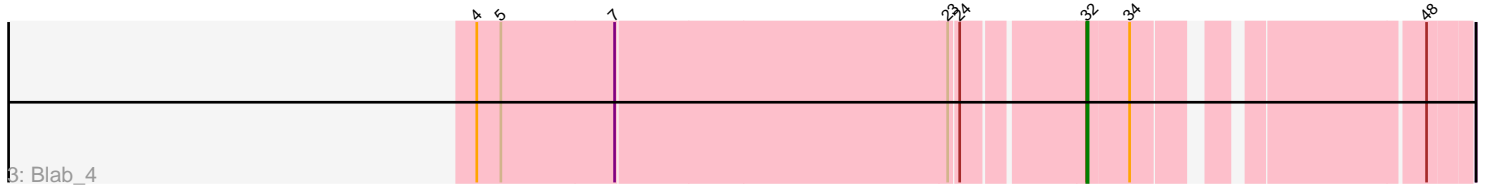
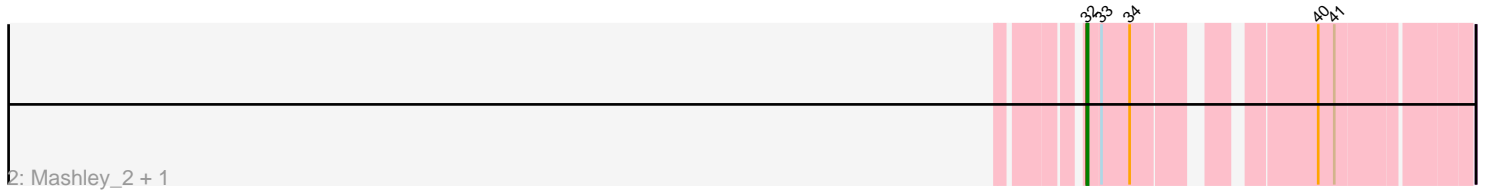
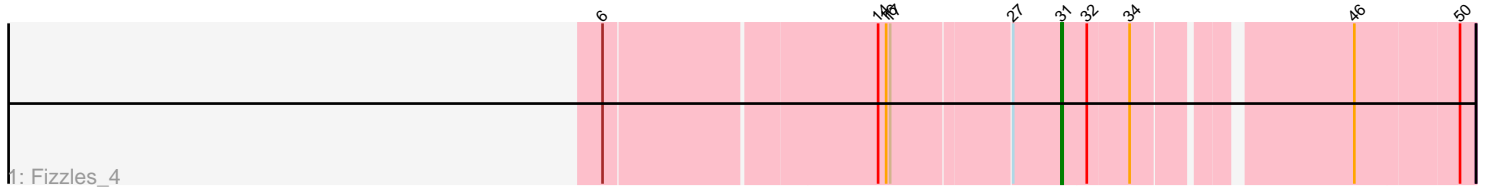


Pham 216793



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 216793 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216793 has 10 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Fizzles_4
- Track 2 : Mashley_2, AluminumJesus_2
- Track 3 : Blab_4
- Track 4 : Phinky_5
- Track 5 : Zagie_6
- Track 6 : Squash_5
- Track 7 : Gazebo_3
- Track 8 : Dewdrop_28, Leaf_28

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

The start number called the most often in the published annotations is 32, it was called in 7 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AluminumJesus_2, Blab_4, Gazebo_3, Mashley_2, Phinky_5, Squash_5, Zagie_6,

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

- Fizzles_4,

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

- Dewdrop_28, Leaf_28,

Summary by start number:

Start 31:

- Found in 1 of 10 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Fizzles_4 (EG),

Start 32:

- Found in 8 of 10 (80.0%) of genes in pham
- Manual Annotations of this start: 7 of 10

- Called 87.5% of time when present
- Phage (with cluster) where this start called: AluminumJesus_2 (EG), Blab_4 (EG), Gazebo_3 (EG), Mashley_2 (EG), Phinky_5 (EG), Squash_5 (EG), Zagie_6 (EG),

Start 35:

- Found in 2 of 10 (20.0%) of genes in pham
- Manual Annotations of this start: 2 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dewdrop_28 (GC), Leaf_28 (GC),

Summary by clusters:

There are 2 clusters represented in this pham: EG, GC,

Info for manual annotations of cluster EG:

- Start number 31 was manually annotated 1 time for cluster EG.
- Start number 32 was manually annotated 7 times for cluster EG.

Info for manual annotations of cluster GC:

- Start number 35 was manually annotated 2 times for cluster GC.

Gene Information:

Gene: AluminumJesus_2 Start: 1146, Stop: 907, Start Num: 32

Candidate Starts for AluminumJesus_2:

(Start: 32 @1146 has 7 MA's), (33, 1137), (34, 1116), (40, 1008), (41, 996),

Gene: Blab_4 Start: 1367, Stop: 1125, Start Num: 32

Candidate Starts for Blab_4:

(4, 1802), (5, 1784), (7, 1700), (23, 1457), (24, 1451), (Start: 32 @1367 has 7 MA's), (34, 1337), (48, 1154),

Gene: Dewdrop_28 Start: 11724, Stop: 11948, Start Num: 35

Candidate Starts for Dewdrop_28:

(1, 10896), (2, 11028), (11, 11487), (21, 11547), (25, 11586), (29, 11625), (30, 11631), (Start: 35 @11724 has 2 MA's), (36, 11736), (37, 11745), (38, 11775), (39, 11799), (43, 11850), (49, 11919),

Gene: Fizzles_4 Start: 1765, Stop: 1490, Start Num: 31

Candidate Starts for Fizzles_4:

(6, 2089), (14, 1894), (16, 1888), (17, 1885), (27, 1801), (Start: 31 @1765 has 1 MA's), (Start: 32 @1747 has 7 MA's), (34, 1717), (46, 1573), (50, 1501),

Gene: Gazebo_3 Start: 1551, Stop: 1309, Start Num: 32

Candidate Starts for Gazebo_3:

(22, 1638), (23, 1629), (24, 1623), (Start: 32 @1551 has 7 MA's), (34, 1521), (48, 1338),

Gene: Leaf_28 Start: 11724, Stop: 11948, Start Num: 35

Candidate Starts for Leaf_28:

(1, 10896), (2, 11028), (11, 11487), (21, 11547), (25, 11586), (29, 11625), (30, 11631), (Start: 35 @11724 has 2 MA's), (36, 11736), (37, 11745), (38, 11775), (39, 11799), (43, 11850), (49, 11919),

Gene: Mashley_2 Start: 1146, Stop: 907, Start Num: 32

Candidate Starts for Mashley_2:

(Start: 32 @1146 has 7 MA's), (33, 1137), (34, 1116), (40, 1008), (41, 996),

Gene: Phinky_5 Start: 1686, Stop: 1426, Start Num: 32

Candidate Starts for Phinky_5:

(8, 1902), (12, 1860), (27, 1740), (28, 1731), (Start: 32 @1686 has 7 MA's), (33, 1677), (34, 1656), (42, 1518), (44, 1515), (45, 1512), (47, 1464),

Gene: Squash_5 Start: 1671, Stop: 1429, Start Num: 32

Candidate Starts for Squash_5:

(3, 2142), (9, 1869), (10, 1842), (13, 1824), (15, 1812), (18, 1806), (19, 1800), (26, 1734), (27, 1725), (Start: 32 @1671 has 7 MA's), (34, 1641), (48, 1458),

Gene: Zagie_6 Start: 2057, Stop: 1818, Start Num: 32

Candidate Starts for Zagie_6:

(20, 2180), (Start: 32 @2057 has 7 MA's), (33, 2048), (34, 2027), (40, 1919), (41, 1907),