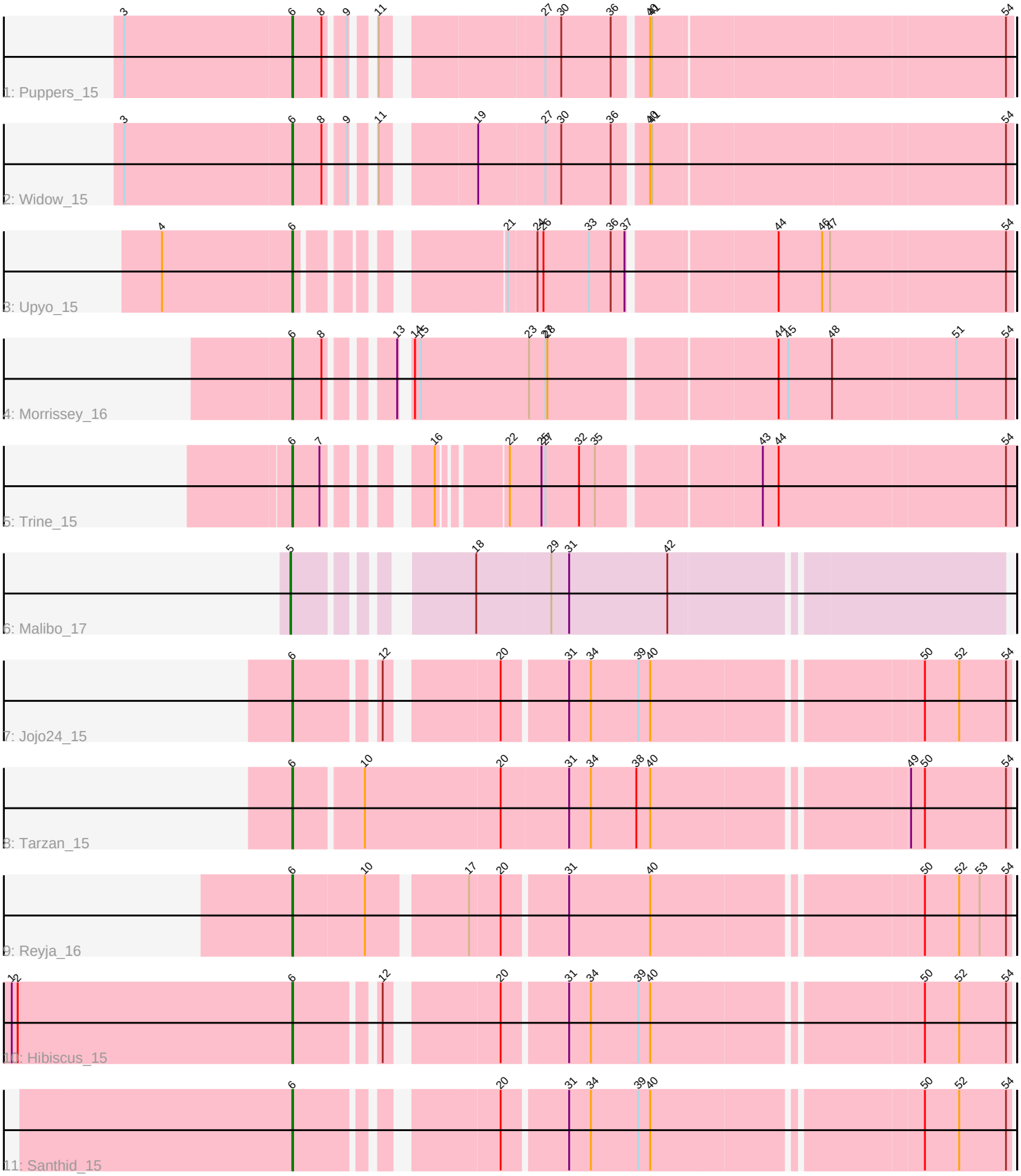
Pham 197022


1: Puppers_15
2: Widow_15
3: Upyo_15
4: Morrissey_16
5: Trine_15
6: Malibo_17
7: Jojo24_15
8: Tarzan_15
9: Reyja_16
10: Hibiscus_15
11: Santhid_15

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 197022 Report

This analysis was run 12/09/24 on database version 580.

Pham number 197022 has 11 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Puppers_15
• Track 2 : Widow_15
• Track 3 : Upyo_15
• Track 4 : Morrissey_16
• Track 5 : Trine_15
• Track 6 : Malibo_17
• Track 7 : Jojo24_15
• Track 8 : Tarzan_15
• Track 9 : Reyja_16
• Track 10 : Hibiscus_15
• Track 11 : Santhid_15

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

The start number called the most often in the published annotations is 6, it was called in 10 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Hibiscus_15, Jojo24_15, Morrissey_16, Puppers_15, Reyja_16, Santhid_15, Tarzan_15, Trine_15, Upyo_15, Widow_15,

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

Genes that do not have the "Most Annotated" start:
• Malibo_17,

Summary by start number:

Start 5:
• Found in 1 of 11 (9.1%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Malibo_17 (DW),

Start 6:
• Found in 10 of 11 (90.9%) of genes in pham
• Manual Annotations of this start: 10 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Hibiscus_15 (DY), Jojo24_15 (DY), Morrissey_16 (CD), Puppers_15 (CD), Reyja_16 (DY), Santhid_15 (DY), Tarzan_15 (DY), Trine_15 (CD), Upyo_15 (CD), Widow_15 (CD),

Summary by clusters:

There are 3 clusters represented in this pham: DW, CD, DY,

Info for manual annotations of cluster CD:
•Start number 6 was manually annotated 5 times for cluster CD.

Info for manual annotations of cluster DW:
•Start number 5 was manually annotated 1 time for cluster DW.

Info for manual annotations of cluster DY:
•Start number 6 was manually annotated 5 times for cluster DY.

Gene Information:

Gene: Hibiscus_15 Start: 8943, Stop: 9913, Start Num: 6
Candidate Starts for Hibiscus_15:
(1, 8517), (2, 8526), (Start: 6 @8943 has 10 MA's), (12, 9048), (20, 9192), (31, 9282), (34, 9315), (39, 9387), (40, 9405), (50, 9786), (52, 9837), (54, 9906),

Gene: Jojo24_15 Start: 8937, Stop: 9907, Start Num: 6
Candidate Starts for Jojo24_15:
(Start: 6 @8937 has 10 MA's), (12, 9042), (20, 9186), (31, 9276), (34, 9309), (39, 9381), (40, 9399), (50, 9780), (52, 9831), (54, 9900),

Gene: Malibo_17 Start: 9627, Stop: 10582, Start Num: 5
Candidate Starts for Malibo_17:
(Start: 5 @9627 has 1 MA's), (18, 9828), (29, 9936), (31, 9963), (42, 10107),

Gene: Morrissey_16 Start: 9186, Stop: 10171, Start Num: 6
Candidate Starts for Morrissey_16:
(Start: 6 @9186 has 10 MA's), (8, 9228), (13, 9300), (14, 9306), (15, 9315), (23, 9471), (27, 9495), (28, 9498), (44, 9822), (45, 9837), (48, 9903), (51, 10086), (54, 10161),

Gene: Puppers_15 Start: 8726, Stop: 9696, Start Num: 6
Candidate Starts for Puppers_15:
(3, 8477), (Start: 6 @8726 has 10 MA's), (8, 8768), (9, 8795), (11, 8813), (27, 9023), (30, 9047), (36, 9122), (40, 9167), (41, 9170), (54, 9686),

Gene: Reyja_16 Start: 9079, Stop: 10085, Start Num: 6
Candidate Starts for Reyja_16:

(Start: 6 @9079 has 10 MA's), (10, 9184), (17, 9319), (20, 9364), (31, 9454), (40, 9577), (50, 9958), (52, 10009), (53, 10039), (54, 10078),

Gene: Santhid_15 Start: 8945, Stop: 9915, Start Num: 6
Candidate Starts for Santhid_15:
(Start: 6 @8945 has 10 MA's), (20, 9194), (31, 9284), (34, 9317), (39, 9389), (40, 9407), (50, 9788), (52, 9839), (54, 9908),

Gene: Tarzan_15 Start: 8933, Stop: 9960, Start Num: 6
Candidate Starts for Tarzan_15:
(Start: 6 @8933 has 10 MA's), (10, 9029), (20, 9230), (31, 9329), (34, 9362), (38, 9431), (40, 9452), (49, 9812), (50, 9833), (54, 9953),

Gene: Trine_15 Start: 8732, Stop: 9684, Start Num: 6
Candidate Starts for Trine_15:
(Start: 6 @8732 has 10 MA's), (7, 8768), (16, 8867), (22, 8948), (25, 8996), (27, 9002), (32, 9053), (35, 9077), (43, 9305), (44, 9329), (54, 9668),

Gene: Upyo_15 Start: 8842, Stop: 9809, Start Num: 6
Candidate Starts for Upyo_15:
(4, 8647), (Start: 6 @8842 has 10 MA's), (21, 9082), (24, 9121), (26, 9130), (33, 9199), (36, 9232), (37, 9253), (44, 9460), (46, 9526), (47, 9538), (54, 9799),

Gene: Widow_15 Start: 8717, Stop: 9687, Start Num: 6
Candidate Starts for Widow_15:
(3, 8468), (Start: 6 @8717 has 10 MA's), (8, 8759), (9, 8786), (11, 8804), (19, 8918), (27, 9014), (30, 9038), (36, 9113), (40, 9158), (41, 9161), (54, 9677),