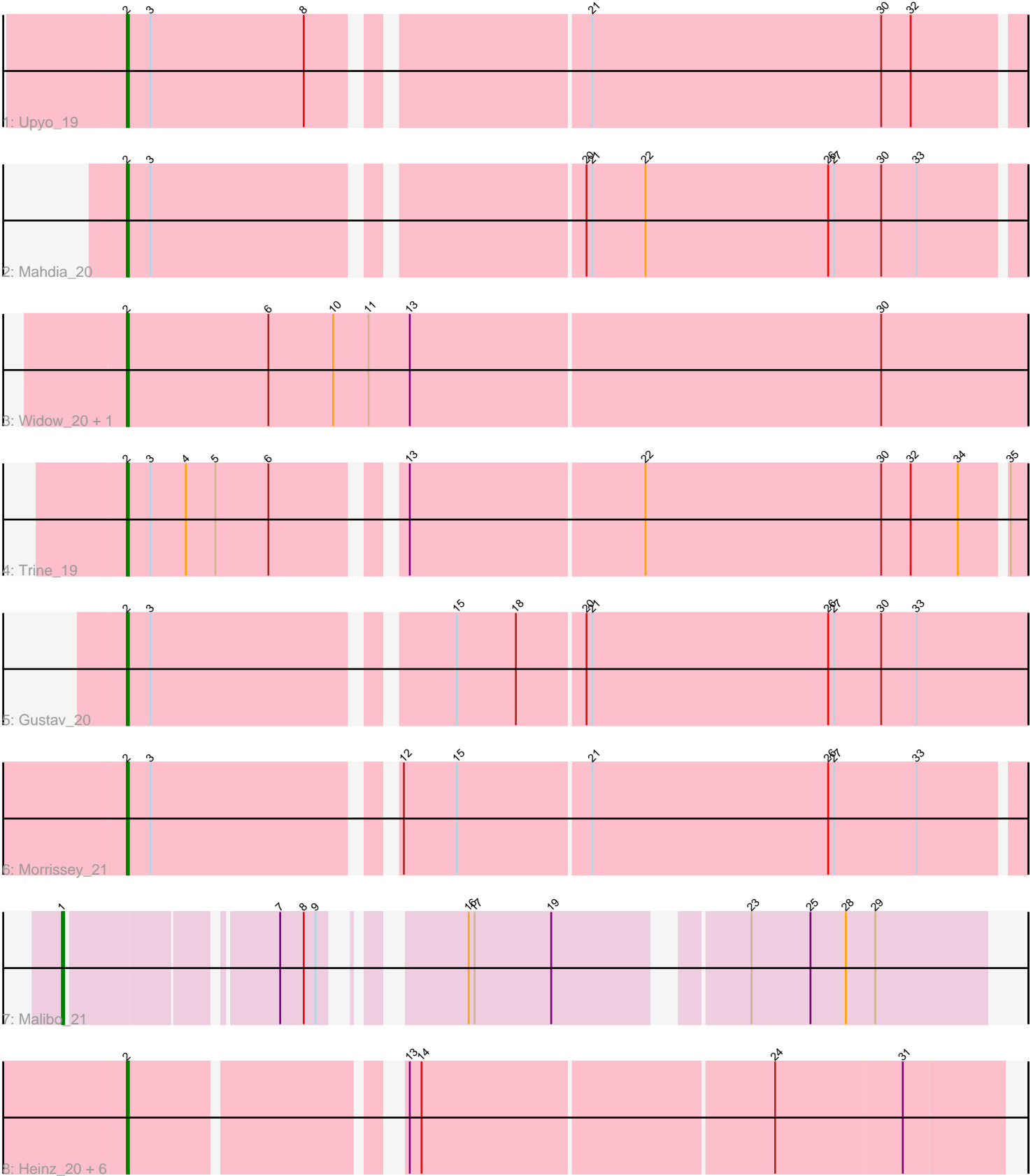


Pham 4920



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 4920 Report

This analysis was run 04/05/24 on database version 557.

Pham number 4920 has 15 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Upyo_19
- Track 2 : Mahdia_20
- Track 3 : Widow_20, Puppies_20
- Track 4 : Trine_19
- Track 5 : Gustav_20
- Track 6 : Morrissey_21
- Track 7 : Malibo_21
- Track 8 : Heinz_20, DonkeyMan_19, Reyja_20, Jojo24_19, Tarzan_19, Hibiscus_19, Santhid_19

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

The start number called the most often in the published annotations is 2, it was called in 12 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- DonkeyMan_19, Gustav_20, Heinz_20, Hibiscus_19, Jojo24_19, Mahdia_20, Morrissey_21, Puppies_20, Reyja_20, Santhid_19, Tarzan_19, Trine_19, Upyo_19, Widow_20,

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

-

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

- Malibo_21,

Summary by start number:

Start 1:

- Found in 1 of 15 (6.7%) of genes in pham
- Manual Annotations of this start: 1 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Malibo_21 (DW),

Start 2:

- Found in 14 of 15 (93.3%) of genes in pham
- Manual Annotations of this start: 12 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DonkeyMan_19 (DY), Gustav_20 (CD), Heinz_20 (DY), Hibiscus_19 (DY), Jojo24_19 (DY), Mahdia_20 (CD), Morrissey_21 (CD), Puppies_20 (CD), Reyja_20 (DY), Santhid_19 (DY), Tarzan_19 (DY), Trine_19 (CD), Upyo_19 (CD), Widow_20 (CD),

Summary by clusters:

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

Info for manual annotations of cluster CD:

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

Info for manual annotations of cluster DW:

- Start number 1 was manually annotated 1 time for cluster DW.

Info for manual annotations of cluster DY:

- Start number 2 was manually annotated 5 times for cluster DY.

Gene Information:

Gene: DonkeyMan_19 Start: 16562, Stop: 16975, Start Num: 2

Candidate Starts for DonkeyMan_19:

(Start: 2 @16562 has 12 MA's), (13, 16682), (14, 16688), (24, 16862), (31, 16925),

Gene: Gustav_20 Start: 16989, Stop: 17426, Start Num: 2

Candidate Starts for Gustav_20:

(Start: 2 @16989 has 12 MA's), (3, 17001), (15, 17139), (18, 17169), (20, 17202), (21, 17205), (26, 17325), (27, 17328), (30, 17352), (33, 17370),

Gene: Heinz_20 Start: 16653, Stop: 17066, Start Num: 2

Candidate Starts for Heinz_20:

(Start: 2 @16653 has 12 MA's), (13, 16773), (14, 16779), (24, 16953), (31, 17016),

Gene: Hibiscus_19 Start: 16601, Stop: 17014, Start Num: 2

Candidate Starts for Hibiscus_19:

(Start: 2 @16601 has 12 MA's), (13, 16721), (14, 16727), (24, 16901), (31, 16964),

Gene: Jojo24_19 Start: 16598, Stop: 17011, Start Num: 2

Candidate Starts for Jojo24_19:

(Start: 2 @16598 has 12 MA's), (13, 16718), (14, 16724), (24, 16898), (31, 16961),

Gene: Mahdia_20 Start: 16665, Stop: 17096, Start Num: 2

Candidate Starts for Mahdia_20:

(Start: 2 @16665 has 12 MA's), (3, 16677), (20, 16878), (21, 16881), (22, 16908), (26, 17001), (27, 17004), (30, 17028), (33, 17046),

Gene: Malibo_21 Start: 18137, Stop: 18544, Start Num: 1

Candidate Starts for Malibo_21:

(Start: 1 @18137 has 1 MA's), (7, 18233), (8, 18245), (9, 18251), (16, 18299), (17, 18302), (19, 18341), (23, 18425), (25, 18455), (28, 18473), (29, 18488),

Gene: Morrissey_21 Start: 17889, Stop: 18320, Start Num: 2

Candidate Starts for Morrissey_21:

(Start: 2 @17889 has 12 MA's), (3, 17901), (12, 18012), (15, 18039), (21, 18105), (26, 18225), (27, 18228), (33, 18270),

Gene: Puppies_20 Start: 16981, Stop: 17436, Start Num: 2

Candidate Starts for Puppies_20:

(Start: 2 @16981 has 12 MA's), (6, 17053), (10, 17086), (11, 17104), (13, 17125), (30, 17362),

Gene: Reyja_20 Start: 16773, Stop: 17186, Start Num: 2

Candidate Starts for Reyja_20:

(Start: 2 @16773 has 12 MA's), (13, 16893), (14, 16899), (24, 17073), (31, 17136),

Gene: Santhid_19 Start: 16606, Stop: 17019, Start Num: 2

Candidate Starts for Santhid_19:

(Start: 2 @16606 has 12 MA's), (13, 16726), (14, 16732), (24, 16906), (31, 16969),

Gene: Tarzan_19 Start: 16576, Stop: 16989, Start Num: 2

Candidate Starts for Tarzan_19:

(Start: 2 @16576 has 12 MA's), (13, 16696), (14, 16702), (24, 16876), (31, 16939),

Gene: Trine_19 Start: 16385, Stop: 16816, Start Num: 2

Candidate Starts for Trine_19:

(Start: 2 @16385 has 12 MA's), (3, 16397), (4, 16415), (5, 16430), (6, 16457), (13, 16511), (22, 16628), (30, 16748), (32, 16763), (34, 16787), (35, 16808),

Gene: Upyo_19 Start: 16558, Stop: 16989, Start Num: 2

Candidate Starts for Upyo_19:

(Start: 2 @16558 has 12 MA's), (3, 16570), (8, 16648), (21, 16774), (30, 16921), (32, 16936),

Gene: Widow_20 Start: 16972, Stop: 17427, Start Num: 2

Candidate Starts for Widow_20:

(Start: 2 @16972 has 12 MA's), (6, 17044), (10, 17077), (11, 17095), (13, 17116), (30, 17353),