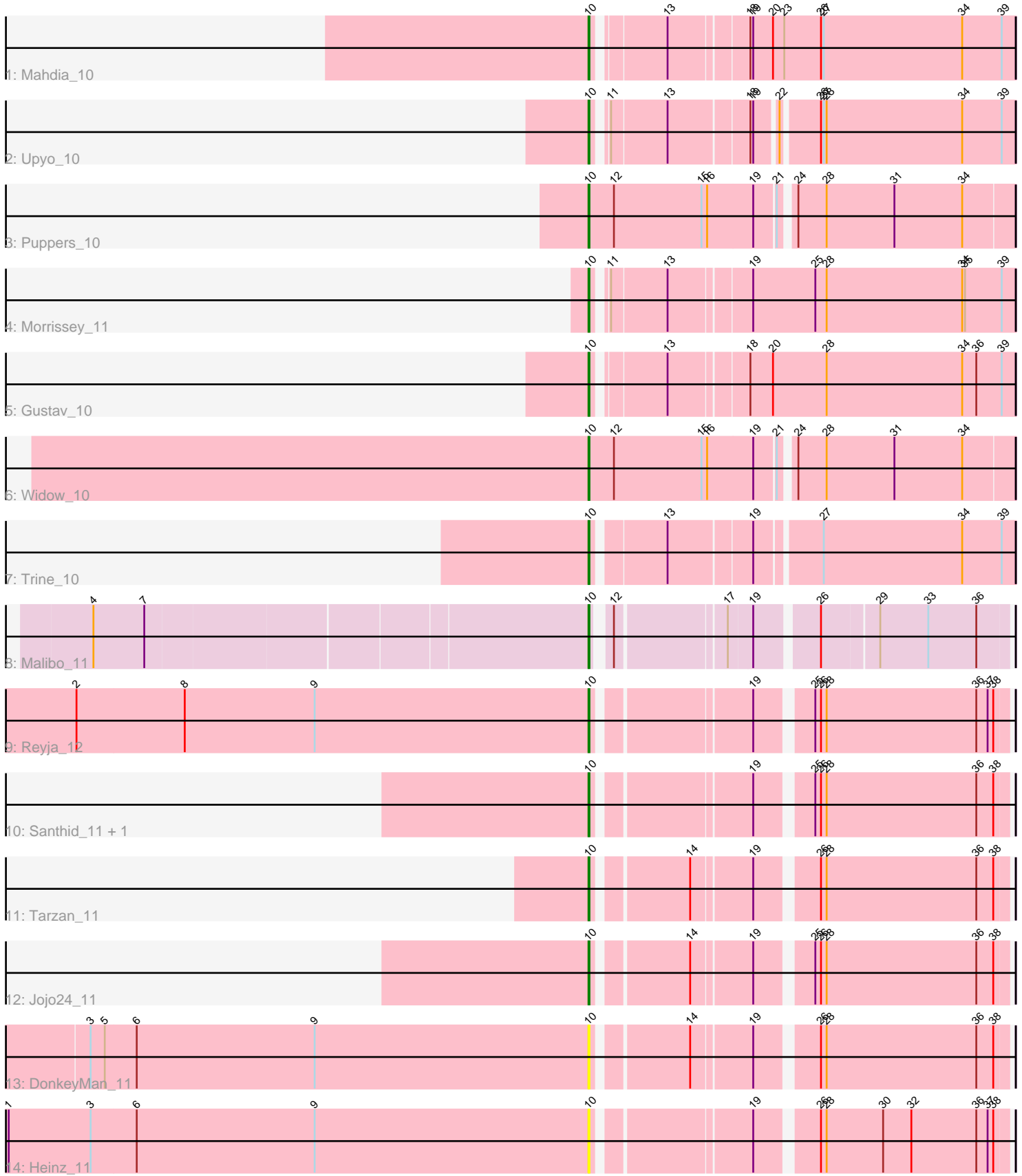


Pham 158258



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 158258 Report

This analysis was run 04/13/24 on database version 558.

Pham number 158258 has 15 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Mahdia_10
- Track 2 : Upyo_10
- Track 3 : Puppies_10
- Track 4 : Morrissey_11
- Track 5 : Gustav_10
- Track 6 : Widow_10
- Track 7 : Trine_10
- Track 8 : Malibo_11
- Track 9 : Reyja_12
- Track 10 : Santhid_11, Hibiscus_11
- Track 11 : Tarzan_11
- Track 12 : Jojo24_11
- Track 13 : DonkeyMan_11
- Track 14 : Heinz_11

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

The start number called the most often in the published annotations is 10, it was called in 13 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- DonkeyMan_11, Gustav_10, Heinz_11, Hibiscus_11, Jojo24_11, Mahdia_10, Malibo_11, Morrissey_11, Puppies_10, Reyja_12, Santhid_11, Tarzan_11, Trine_10, Upyo_10, Widow_10,

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

-

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

-

Summary by start number:

Start 10:

- Found in 15 of 15 (100.0%) of genes in pham
- Manual Annotations of this start: 13 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DonkeyMan_11 (DY), Gustav_10 (CD), Heinz_11 (DY), Hibiscus_11 (DY), Jojo24_11 (DY), Mahdia_10 (CD), Malibo_11 (DW), Morrissey_11 (CD), Puppies_10 (CD), Reyja_12 (DY), Santhid_11 (DY), Tarzan_11 (DY), Trine_10 (CD), Upyo_10 (CD), Widow_10 (CD),

Summary by clusters:

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

Info for manual annotations of cluster CD:

- Start number 10 was manually annotated 7 times for cluster CD.

Info for manual annotations of cluster DW:

- Start number 10 was manually annotated 1 time for cluster DW.

Info for manual annotations of cluster DY:

- Start number 10 was manually annotated 5 times for cluster DY.

Gene Information:

Gene: DonkeyMan_11 Start: 7427, Stop: 7831, Start Num: 10

Candidate Starts for DonkeyMan_11:

(3, 6899), (5, 6914), (6, 6947), (9, 7136), (Start: 10 @7427 has 13 MA's), (14, 7517), (19, 7577), (26, 7634), (28, 7640), (36, 7799), (38, 7817),

Gene: Gustav_10 Start: 7169, Stop: 7594, Start Num: 10

Candidate Starts for Gustav_10:

(Start: 10 @7169 has 13 MA's), (13, 7235), (18, 7313), (20, 7337), (28, 7394), (34, 7538), (36, 7553), (39, 7580),

Gene: Heinz_11 Start: 7463, Stop: 7867, Start Num: 10

Candidate Starts for Heinz_11:

(1, 6851), (3, 6938), (6, 6986), (9, 7175), (Start: 10 @7463 has 13 MA's), (19, 7613), (26, 7670), (28, 7676), (30, 7736), (32, 7766), (36, 7835), (37, 7847), (38, 7853),

Gene: Hibiscus_11 Start: 7440, Stop: 7844, Start Num: 10

Candidate Starts for Hibiscus_11:

(Start: 10 @7440 has 13 MA's), (19, 7590), (25, 7641), (26, 7647), (28, 7653), (36, 7812), (38, 7830),

Gene: Jojo24_11 Start: 7435, Stop: 7839, Start Num: 10

Candidate Starts for Jojo24_11:

(Start: 10 @7435 has 13 MA's), (14, 7525), (19, 7585), (25, 7636), (26, 7642), (28, 7648), (36, 7807), (38, 7825),

Gene: Mahdia_10 Start: 7171, Stop: 7596, Start Num: 10

Candidate Starts for Mahdia_10:

(Start: 10 @7171 has 13 MA's), (13, 7237), (18, 7315), (19, 7318), (20, 7339), (23, 7351), (26, 7390), (27, 7393), (34, 7540), (39, 7582),

Gene: Malibo_11 Start: 7740, Stop: 8135, Start Num: 10

Candidate Starts for Malibo_11:

(4, 7233), (7, 7287), (Start: 10 @7740 has 13 MA's), (12, 7752), (17, 7860), (19, 7884), (26, 7944), (29, 8001), (33, 8052), (36, 8103),

Gene: Morrissey_11 Start: 7567, Stop: 7992, Start Num: 10

Candidate Starts for Morrissey_11:

(Start: 10 @7567 has 13 MA's), (11, 7576), (13, 7633), (19, 7714), (25, 7780), (28, 7792), (34, 7936), (35, 7939), (39, 7978),

Gene: Poppers_10 Start: 7091, Stop: 7525, Start Num: 10

Candidate Starts for Poppers_10:

(Start: 10 @7091 has 13 MA's), (12, 7118), (15, 7211), (16, 7217), (19, 7265), (21, 7286), (24, 7298), (28, 7328), (31, 7400), (34, 7472),

Gene: Reyja_12 Start: 7576, Stop: 7980, Start Num: 10

Candidate Starts for Reyja_12:

(2, 7033), (8, 7147), (9, 7285), (Start: 10 @7576 has 13 MA's), (19, 7726), (25, 7777), (26, 7783), (28, 7789), (36, 7948), (37, 7960), (38, 7966),

Gene: Santhid_11 Start: 7444, Stop: 7848, Start Num: 10

Candidate Starts for Santhid_11:

(Start: 10 @7444 has 13 MA's), (19, 7594), (25, 7645), (26, 7651), (28, 7657), (36, 7816), (38, 7834),

Gene: Tarzan_11 Start: 7432, Stop: 7836, Start Num: 10

Candidate Starts for Tarzan_11:

(Start: 10 @7432 has 13 MA's), (14, 7522), (19, 7582), (26, 7639), (28, 7645), (36, 7804), (38, 7822),

Gene: Trine_10 Start: 7087, Stop: 7506, Start Num: 10

Candidate Starts for Trine_10:

(Start: 10 @7087 has 13 MA's), (13, 7156), (19, 7240), (27, 7303), (34, 7450), (39, 7492),

Gene: Upyo_10 Start: 7111, Stop: 7524, Start Num: 10

Candidate Starts for Upyo_10:

(Start: 10 @7111 has 13 MA's), (11, 7120), (13, 7177), (18, 7258), (19, 7261), (22, 7282), (26, 7318), (27, 7321), (28, 7324), (34, 7468), (39, 7510),

Gene: Widow_10 Start: 7082, Stop: 7516, Start Num: 10

Candidate Starts for Widow_10:

(Start: 10 @7082 has 13 MA's), (12, 7109), (15, 7202), (16, 7208), (19, 7256), (21, 7277), (24, 7289), (28, 7319), (31, 7391), (34, 7463),