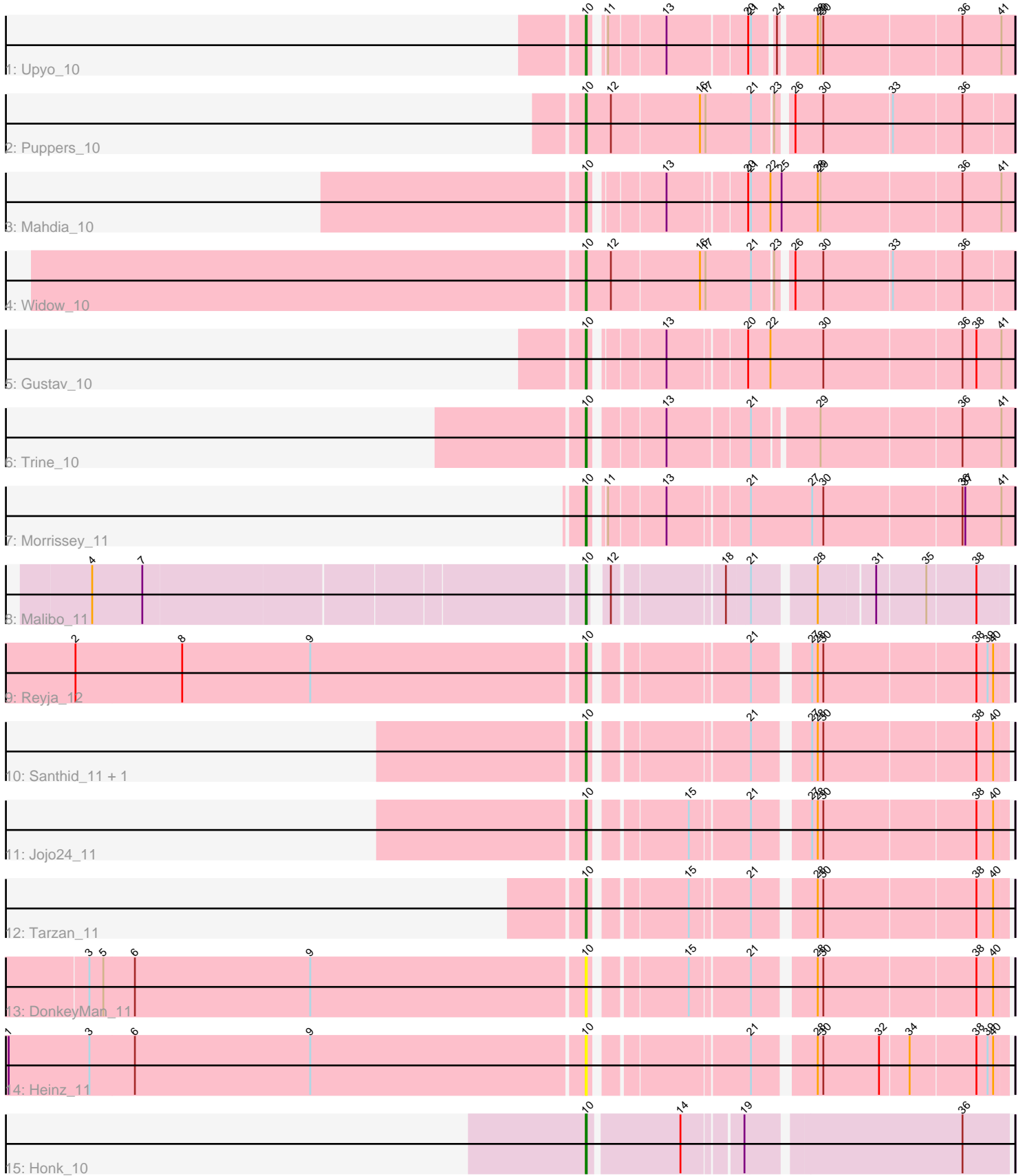


Pham 163996



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 163996 Report

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

Pham number 163996 has 16 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Upyo_10
- Track 2 : Puppies_10
- Track 3 : Mahdia_10
- Track 4 : Widow_10
- Track 5 : Gustav_10
- Track 6 : Trine_10
- Track 7 : Morrissey_11
- Track 8 : Malibo_11
- Track 9 : Reyja_12
- Track 10 : Santhid_11, Hibiscus_11
- Track 11 : Jojo24_11
- Track 12 : Tarzan_11
- Track 13 : DonkeyMan_11
- Track 14 : Heinz_11
- Track 15 : Honk_10

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 14 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- DonkeyMan_11, Gustav_10, Heinz_11, Hibiscus_11, Honk_10, 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 16 of 16 (100.0%) of genes in pham
- Manual Annotations of this start: 14 of 14
- 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), Honk_10 (EH), 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 4 clusters represented in this pham: DW, CD, EH, 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.

Info for manual annotations of cluster EH:

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

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 14 MA's), (15, 7517), (21, 7577), (28, 7634), (30, 7640), (38, 7799), (40, 7817),

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

Candidate Starts for Gustav_10:

(Start: 10 @7169 has 14 MA's), (13, 7235), (20, 7313), (22, 7337), (30, 7394), (36, 7538), (38, 7553), (41, 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 14 MA's), (21, 7613), (28, 7670), (30, 7676), (32, 7736), (34, 7766), (38, 7835), (39, 7847), (40, 7853),

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

Candidate Starts for Hibiscus_11:

(Start: 10 @7440 has 14 MA's), (21, 7590), (27, 7641), (28, 7647), (30, 7653), (38, 7812), (40, 7830),

Gene: Honk_10 Start: 7323, Stop: 7739, Start Num: 10

Candidate Starts for Honk_10:

(Start: 10 @7323 has 14 MA's), (14, 7416), (19, 7473), (36, 7692),

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

Candidate Starts for Jojo24_11:

(Start: 10 @7435 has 14 MA's), (15, 7525), (21, 7585), (27, 7636), (28, 7642), (30, 7648), (38, 7807), (40, 7825),

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

Candidate Starts for Mahdia_10:

(Start: 10 @7171 has 14 MA's), (13, 7237), (20, 7315), (21, 7318), (22, 7339), (25, 7351), (28, 7390), (29, 7393), (36, 7540), (41, 7582),

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

Candidate Starts for Malibo_11:

(4, 7233), (7, 7287), (Start: 10 @7740 has 14 MA's), (12, 7752), (18, 7860), (21, 7884), (28, 7944), (31, 8001), (35, 8052), (38, 8103),

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

Candidate Starts for Morrissey_11:

(Start: 10 @7567 has 14 MA's), (11, 7576), (13, 7633), (21, 7714), (27, 7780), (30, 7792), (36, 7936), (37, 7939), (41, 7978),

Gene: Puppies_10 Start: 7091, Stop: 7525, Start Num: 10

Candidate Starts for Puppies_10:

(Start: 10 @7091 has 14 MA's), (12, 7118), (16, 7211), (17, 7217), (21, 7265), (23, 7286), (26, 7298), (30, 7328), (33, 7400), (36, 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 14 MA's), (21, 7726), (27, 7777), (28, 7783), (30, 7789), (38, 7948), (39, 7960), (40, 7966),

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

Candidate Starts for Santhid_11:

(Start: 10 @7444 has 14 MA's), (21, 7594), (27, 7645), (28, 7651), (30, 7657), (38, 7816), (40, 7834),

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

Candidate Starts for Tarzan_11:

(Start: 10 @7432 has 14 MA's), (15, 7522), (21, 7582), (28, 7639), (30, 7645), (38, 7804), (40, 7822),

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

Candidate Starts for Trine_10:

(Start: 10 @7087 has 14 MA's), (13, 7156), (21, 7240), (29, 7303), (36, 7450), (41, 7492),

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

Candidate Starts for Upyo_10:

(Start: 10 @7111 has 14 MA's), (11, 7120), (13, 7177), (20, 7258), (21, 7261), (24, 7282), (28, 7318), (29, 7321), (30, 7324), (36, 7468), (41, 7510),

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

Candidate Starts for Widow_10:

(Start: 10 @7082 has 14 MA's), (12, 7109), (16, 7202), (17, 7208), (21, 7256), (23, 7277), (26, 7289), (30, 7319), (33, 7391), (36, 7463),