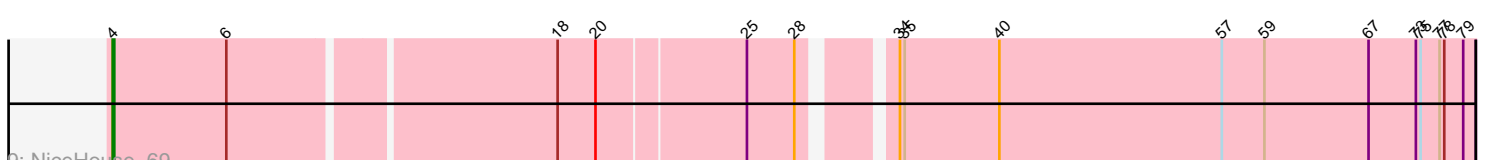
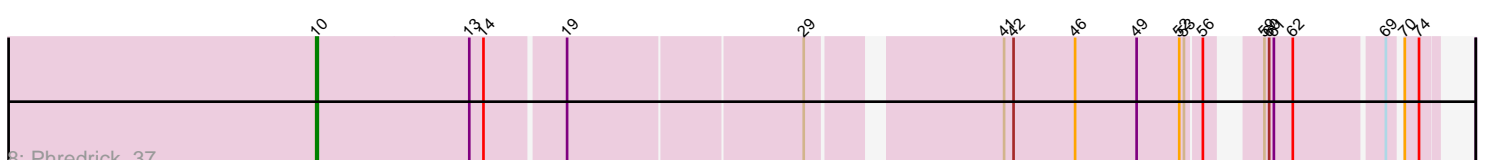
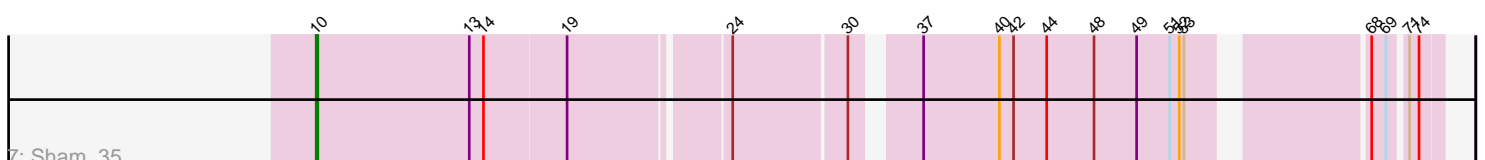
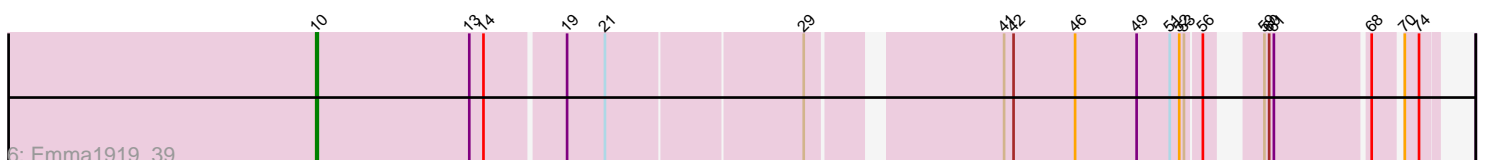
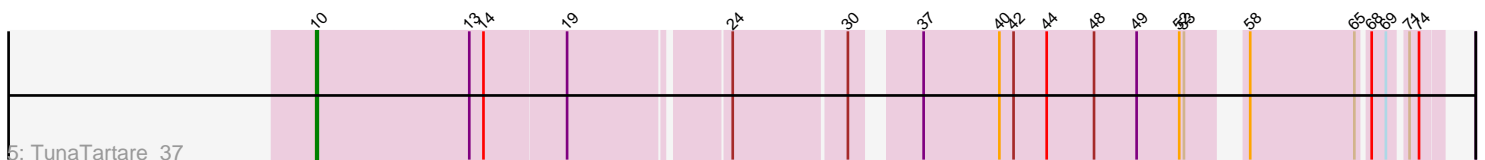
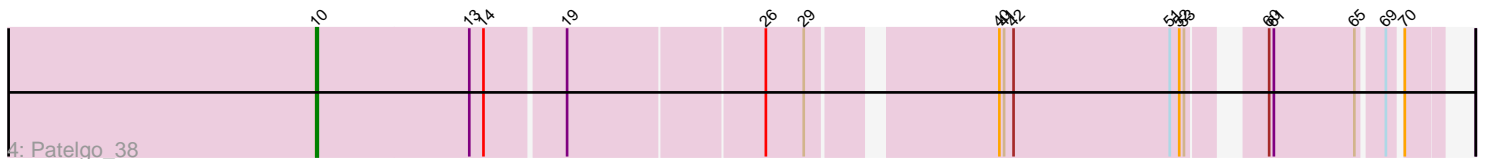
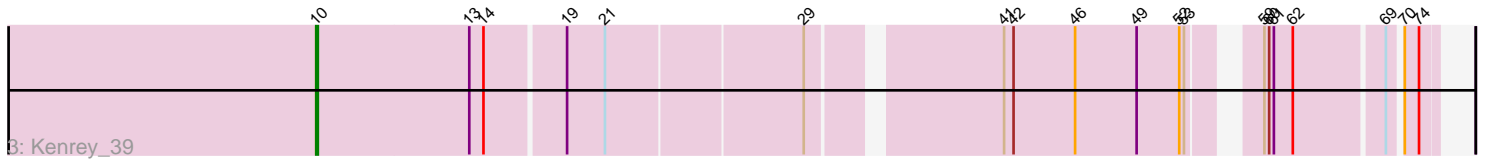
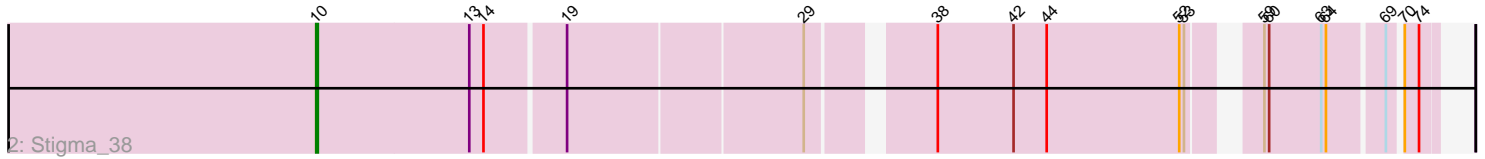
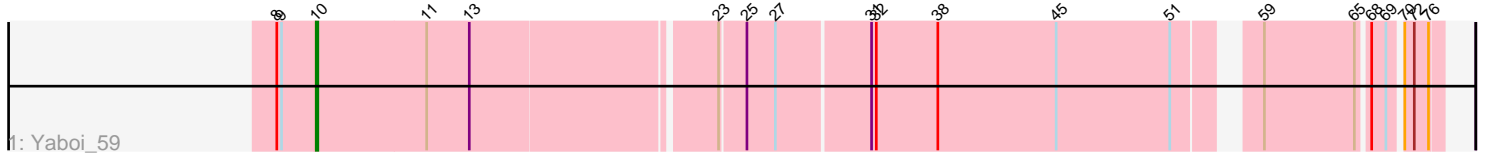


Pham 168752



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 168752 Report

This analysis was run 07/09/24 on database version 566.

Pham number 168752 has 10 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Yaboi_59
- Track 2 : Stigma_38
- Track 3 : Kenrey_39
- Track 4 : Patelgo_38
- Track 5 : TunaTartare_37
- Track 6 : Emma1919_39
- Track 7 : Sham_35
- Track 8 : Phredrick_37
- Track 9 : NiceHouse_69
- Track 10 : Francesca_53

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 8 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Emma1919_39, Kenrey_39, Patelgo_38, Phredrick_37, Sham_35, Stigma_38, TunaTartare_37, Yaboi_59,

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

- Francesca_53,

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

- NiceHouse_69,

Summary by start number:

Start 2:

- 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: Francesca_53 (CG),

Start 4:

- 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: NiceHouse_69 (CE),

Start 10:

- Found in 9 of 10 (90.0%) of genes in pham
- Manual Annotations of this start: 8 of 10
- Called 88.9% of time when present
- Phage (with cluster) where this start called: Emma1919_39 (BK1), Kenrey_39 (BK1), Patelgo_38 (BK1), Phredrick_37 (BK1), Sham_35 (BK1), Stigma_38 (BK1), TunaTartare_37 (BK1), Yaboi_59 (BE2),

Summary by clusters:

There are 4 clusters represented in this pham: BE2, CG, BK1, CE,

Info for manual annotations of cluster BE2:

- Start number 10 was manually annotated 1 time for cluster BE2.

Info for manual annotations of cluster BK1:

- Start number 10 was manually annotated 7 times for cluster BK1.

Info for manual annotations of cluster CE:

- Start number 4 was manually annotated 1 time for cluster CE.

Info for manual annotations of cluster CG:

- Start number 2 was manually annotated 1 time for cluster CG.

Gene Information:

Gene: Emma1919_39 Start: 22615, Stop: 23261, Start Num: 10

Candidate Starts for Emma1919_39:

(Start: 10 @22615 has 8 MA's), (13, 22711), (14, 22720), (19, 22768), (21, 22792), (29, 22912), (41, 23020), (42, 23026), (46, 23065), (49, 23104), (51, 23125), (52, 23131), (53, 23134), (56, 23143), (59, 23164), (60, 23167), (61, 23170), (68, 23227), (70, 23242), (74, 23251),

Gene: Francesca_53 Start: 32888, Stop: 33732, Start Num: 2

Candidate Starts for Francesca_53:

(1, 32879), (Start: 2 @32888 has 1 MA's), (3, 32915), (5, 32981), (7, 33020), (Start: 10 @33050 has 8 MA's), (12, 33146), (15, 33182), (16, 33185), (17, 33194), (18, 33203), (22, 33287), (24, 33314), (33, 33404), (35, 33413), (36, 33419), (39, 33443), (42, 33482), (43, 33491), (44, 33503), (47, 33524), (50, 33578), (51, 33581), (54, 33596), (55, 33599), (59, 33629), (66, 33689), (69, 33704), (72, 33716),

Gene: Kenrey_39 Start: 22617, Stop: 23263, Start Num: 10

Candidate Starts for Kenrey_39:

(Start: 10 @22617 has 8 MA's), (13, 22713), (14, 22722), (19, 22770), (21, 22794), (29, 22914), (41, 23022), (42, 23028), (46, 23067), (49, 23106), (52, 23133), (53, 23136), (59, 23166), (60, 23169), (61, 23172), (62, 23184), (69, 23238), (70, 23244), (74, 23253),

Gene: NiceHouse_69 Start: 39207, Stop: 40027, Start Num: 4

Candidate Starts for NiceHouse_69:

(Start: 4 @39207 has 1 MA's), (6, 39279), (18, 39474), (20, 39498), (25, 39588), (28, 39618), (34, 39663), (35, 39666), (40, 39726), (57, 39867), (59, 39894), (67, 39960), (73, 39990), (75, 39993), (77, 40005), (78, 40008), (79, 40020),

Gene: Patelgo_38 Start: 23949, Stop: 24598, Start Num: 10

Candidate Starts for Patelgo_38:

(Start: 10 @23949 has 8 MA's), (13, 24045), (14, 24054), (19, 24102), (26, 24222), (29, 24246), (40, 24351), (41, 24354), (42, 24360), (51, 24459), (52, 24465), (53, 24468), (60, 24501), (61, 24504), (65, 24555), (69, 24570), (70, 24576),

Gene: Phredrick_37 Start: 21823, Stop: 22469, Start Num: 10

Candidate Starts for Phredrick_37:

(Start: 10 @21823 has 8 MA's), (13, 21919), (14, 21928), (19, 21976), (29, 22120), (41, 22228), (42, 22234), (46, 22273), (49, 22312), (52, 22339), (53, 22342), (56, 22351), (59, 22372), (60, 22375), (61, 22378), (62, 22390), (69, 22444), (70, 22450), (74, 22459),

Gene: Sham_35 Start: 23683, Stop: 24332, Start Num: 10

Candidate Starts for Sham_35:

(Start: 10 @23683 has 8 MA's), (13, 23779), (14, 23788), (19, 23839), (24, 23932), (30, 24001), (37, 24034), (40, 24082), (42, 24091), (44, 24112), (48, 24142), (49, 24169), (51, 24190), (52, 24196), (53, 24199), (68, 24295), (69, 24304), (71, 24313), (74, 24319),

Gene: Stigma_38 Start: 23832, Stop: 24478, Start Num: 10

Candidate Starts for Stigma_38:

(Start: 10 @23832 has 8 MA's), (13, 23928), (14, 23937), (19, 23985), (29, 24129), (38, 24195), (42, 24243), (44, 24264), (52, 24348), (53, 24351), (59, 24381), (60, 24384), (63, 24417), (64, 24420), (69, 24453), (70, 24459), (74, 24468),

Gene: TunaTartare_37 Start: 23978, Stop: 24627, Start Num: 10

Candidate Starts for TunaTartare_37:

(Start: 10 @23978 has 8 MA's), (13, 24074), (14, 24083), (19, 24134), (24, 24227), (30, 24296), (37, 24329), (40, 24377), (42, 24386), (44, 24407), (48, 24437), (49, 24464), (52, 24491), (53, 24494), (58, 24518), (65, 24584), (68, 24590), (69, 24599), (71, 24608), (74, 24614),

Gene: Yaboi_59 Start: 33004, Stop: 33665, Start Num: 10

Candidate Starts for Yaboi_59:

(8, 32980), (9, 32983), (Start: 10 @33004 has 8 MA's), (11, 33073), (13, 33100), (23, 33247), (25, 33262), (27, 33280), (31, 33337), (32, 33340), (38, 33379), (45, 33454), (51, 33526), (59, 33565), (65, 33622), (68, 33628), (69, 33637), (70, 33643), (72, 33649), (76, 33658),