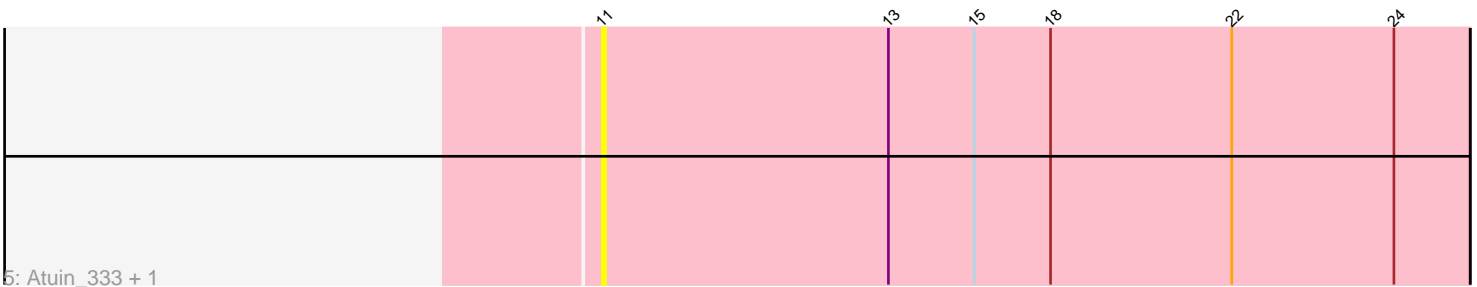
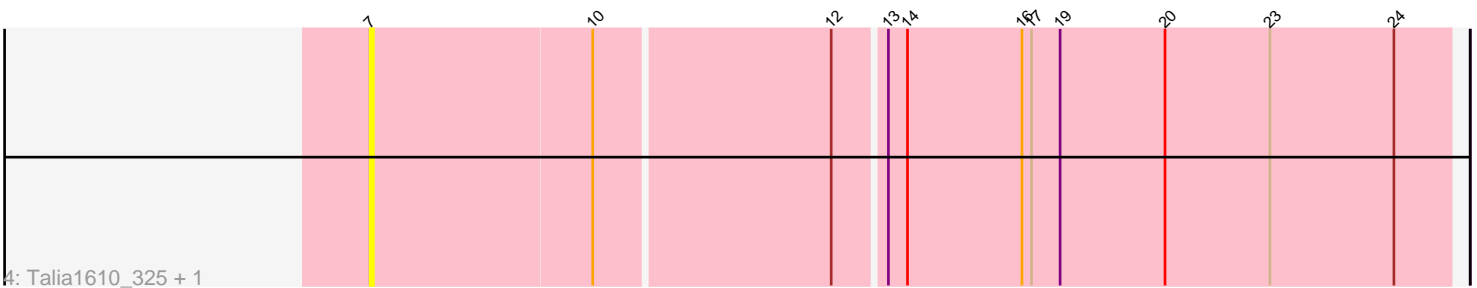
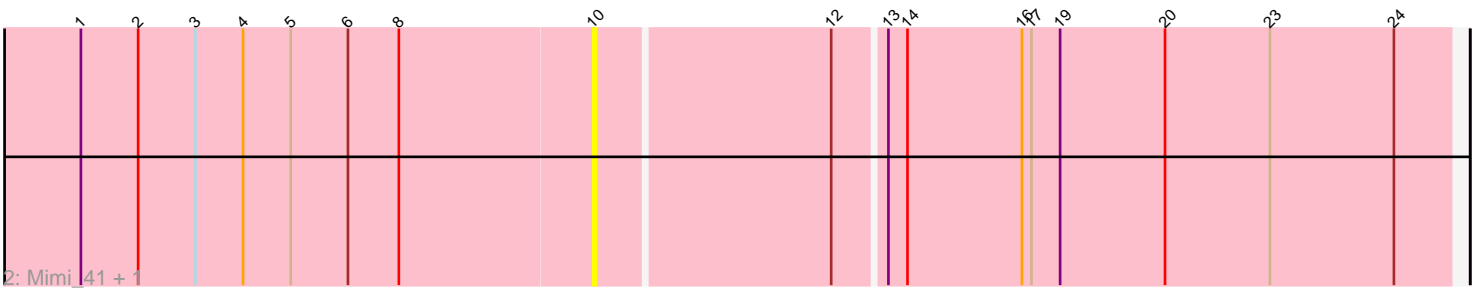
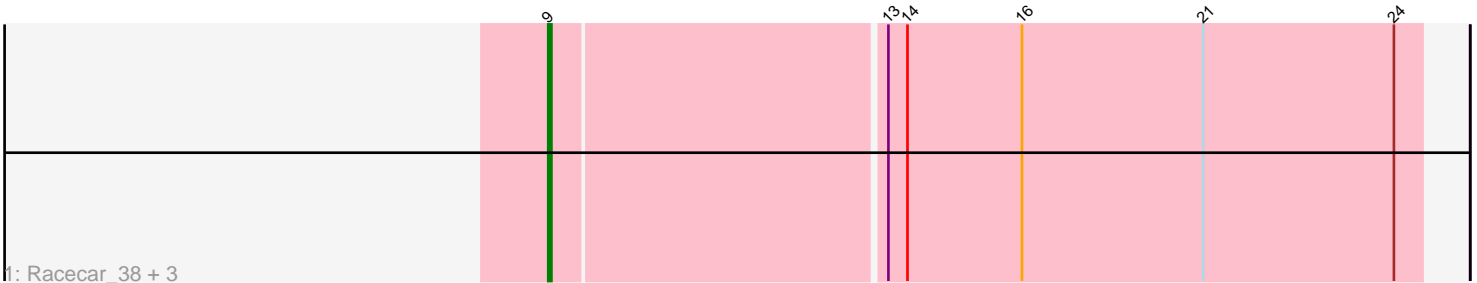


Pham 152319



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 152319 Report

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

Pham number 152319 has 12 members, 10 are drafts.

Phages represented in each track:

- Track 1 : Racecar_38, Bloom_41, Racecar_327, Bloom_328
- Track 2 : Mimi_41, Mimi_331
- Track 3 : Patbob_33, Patbob_323
- Track 4 : Talia1610_325, Talia1610_38
- Track 5 : Atuin_333, Atuin_26

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

The start number called the most often in the published annotations is 9, it was called in 2 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bloom_328, Bloom_41, Patbob_323, Patbob_33, Racecar_327, Racecar_38,

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

-

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

- Atuin_26, Atuin_333, Mimi_331, Mimi_41, Talia1610_325, Talia1610_38,

Summary by start number:

Start 7:

- Found in 2 of 12 (16.7%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Talia1610_325 (FC), Talia1610_38 (FC),

Start 9:

- Found in 6 of 12 (50.0%) of genes in pham
- Manual Annotations of this start: 2 of 2
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Bloom_328 (FC), Bloom_41 (FC), Patbob_323 (FC), Patbob_33 (FC), Racecar_327 (FC), Racecar_38 (FC),

Start 10:

- Found in 4 of 12 (33.3%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Mimi_331 (FC), Mimi_41 (FC),

Start 11:

- Found in 2 of 12 (16.7%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Atuin_26 (FC), Atuin_333 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

Info for manual annotations of cluster FC:

- Start number 9 was manually annotated 2 times for cluster FC.

Gene Information:

Gene: Atuin_333 Start: 188565, Stop: 188837, Start Num: 11

Candidate Starts for Atuin_333:

(11, 188565), (13, 188655), (15, 188682), (18, 188706), (22, 188763), (24, 188814),

Gene: Atuin_26 Start: 11677, Stop: 11949, Start Num: 11

Candidate Starts for Atuin_26:

(11, 11677), (13, 11767), (15, 11794), (18, 11818), (22, 11875), (24, 11926),

Gene: Bloom_41 Start: 16957, Stop: 17226, Start Num: 9

Candidate Starts for Bloom_41:

(Start: 9 @16957 has 2 MA's), (13, 17059), (14, 17065), (16, 17101), (21, 17158), (24, 17218),

Gene: Bloom_328 Start: 190432, Stop: 190701, Start Num: 9

Candidate Starts for Bloom_328:

(Start: 9 @190432 has 2 MA's), (13, 190534), (14, 190540), (16, 190576), (21, 190633), (24, 190693),

Gene: Mimi_41 Start: 16134, Stop: 16397, Start Num: 10

Candidate Starts for Mimi_41:

(1, 15975), (2, 15993), (3, 16011), (4, 16026), (5, 16041), (6, 16059), (8, 16074), (10, 16134), (12, 16206), (13, 16221), (14, 16227), (16, 16263), (17, 16266), (19, 16275), (20, 16308), (23, 16341), (24, 16380),

Gene: Mimi_331 Start: 188794, Stop: 189057, Start Num: 10

Candidate Starts for Mimi_331:

(1, 188635), (2, 188653), (3, 188671), (4, 188686), (5, 188701), (6, 188719), (8, 188734), (10, 188794), (12, 188866), (13, 188881), (14, 188887), (16, 188923), (17, 188926), (19, 188935), (20, 188968), (23, 189001), (24, 189040),

Gene: Patbob_33 Start: 15693, Stop: 15965, Start Num: 9

Candidate Starts for Patbob_33:

(Start: 9 @15693 has 2 MA's), (13, 15798), (20, 15882), (22, 15903),

Gene: Patbob_323 Start: 191152, Stop: 191424, Start Num: 9

Candidate Starts for Patbob_323:

(Start: 9 @191152 has 2 MA's), (13, 191257), (20, 191341), (22, 191362),

Gene: Racecar_38 Start: 16725, Stop: 16994, Start Num: 9

Candidate Starts for Racecar_38:

(Start: 9 @16725 has 2 MA's), (13, 16827), (14, 16833), (16, 16869), (21, 16926), (24, 16986),

Gene: Racecar_327 Start: 190434, Stop: 190703, Start Num: 9

Candidate Starts for Racecar_327:

(Start: 9 @190434 has 2 MA's), (13, 190536), (14, 190542), (16, 190578), (21, 190635), (24, 190695),

Gene: Talia1610_325 Start: 190555, Stop: 190887, Start Num: 7

Candidate Starts for Talia1610_325:

(7, 190555), (10, 190624), (12, 190696), (13, 190711), (14, 190717), (16, 190753), (17, 190756), (19, 190765), (20, 190798), (23, 190831), (24, 190870),

Gene: Talia1610_38 Start: 16083, Stop: 16415, Start Num: 7

Candidate Starts for Talia1610_38:

(7, 16083), (10, 16152), (12, 16224), (13, 16239), (14, 16245), (16, 16281), (17, 16284), (19, 16293), (20, 16326), (23, 16359), (24, 16398),