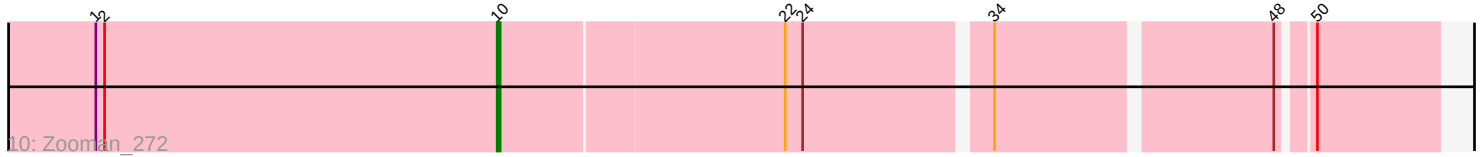
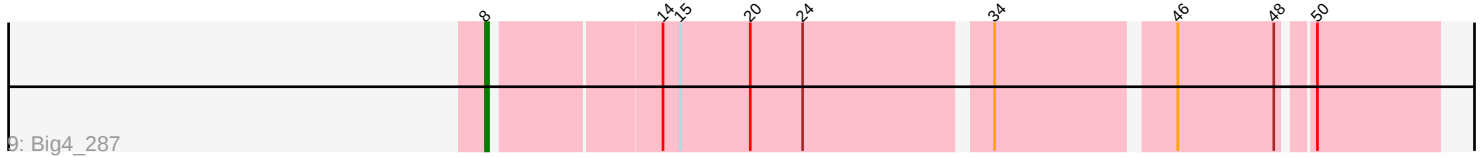
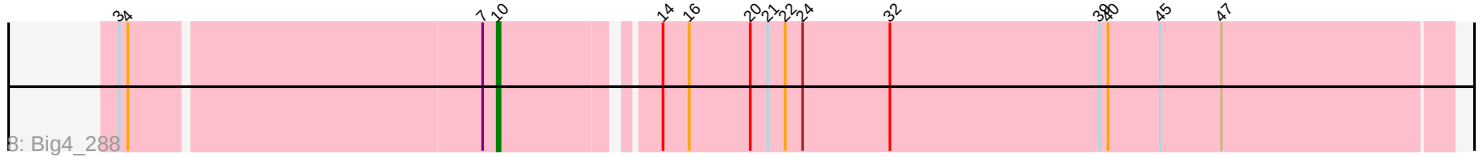
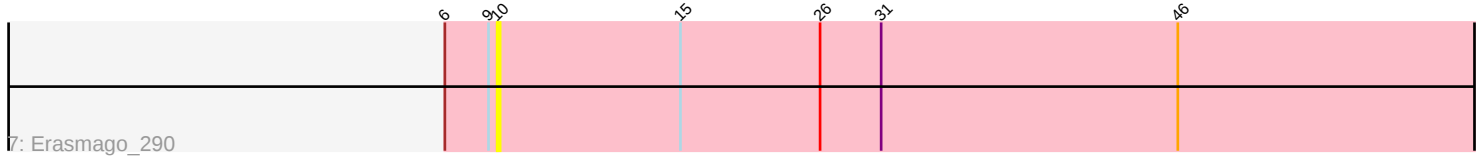
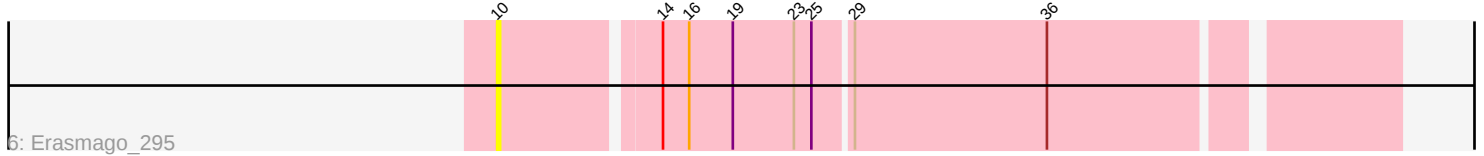
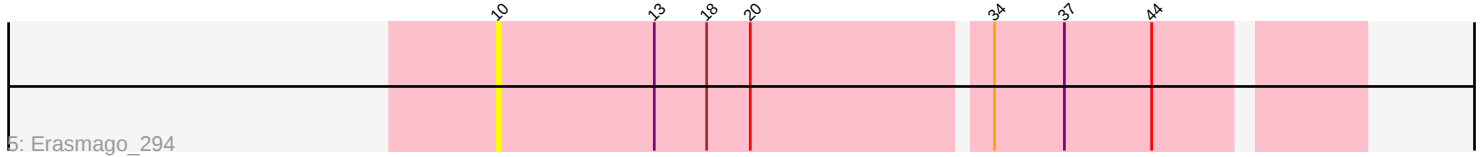
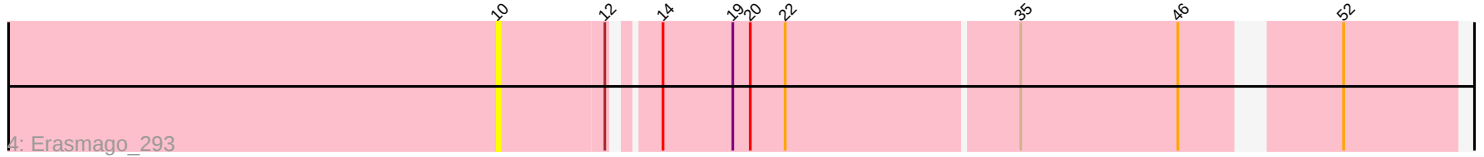
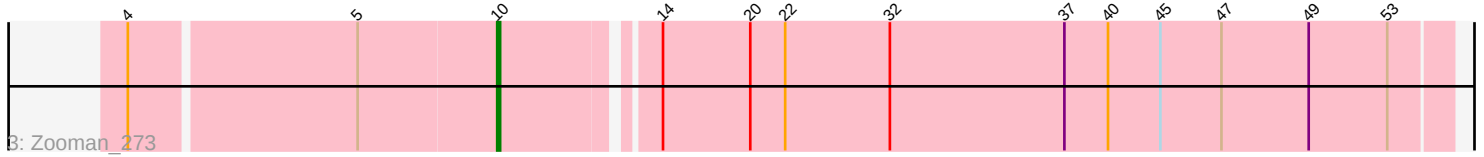
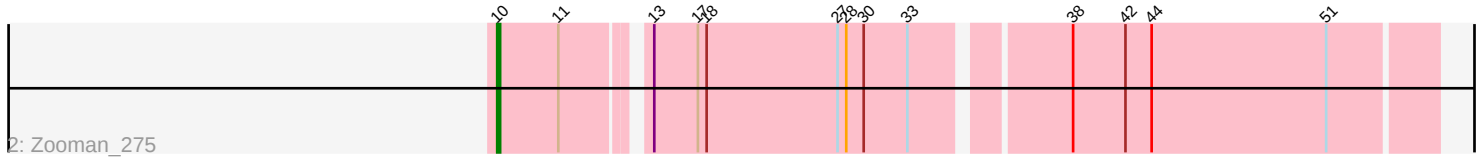
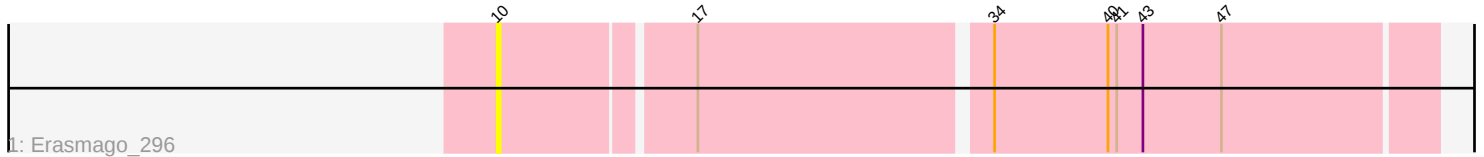


Pham 309777



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 309777 Report

This analysis was run 09/05/26 on database version 662.

Pham number 309777 has 10 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Erasmago_296
- Track 2 : Zooman_275
- Track 3 : Zooman_273
- Track 4 : Erasmago_293
- Track 5 : Erasmago_294
- Track 6 : Erasmago_295
- Track 7 : Erasmago_290
- Track 8 : Big4_288
- Track 9 : Big4_287
- Track 10 : Zooman_272

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 4 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Big4_288, Erasmago_290, Erasmago_293, Erasmago_294, Erasmago_295, Erasmago_296, Zooman_272, Zooman_273, Zooman_275,

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

-

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

- Big4_287,

Summary by start number:

Start 8:

- Found in 1 of 10 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Big4_287 (GD2),

Start 10:

- Found in 9 of 10 (90.0%) of genes in pham
- Manual Annotations of this start: 4 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Big4_288 (GD2), Erasmago_290 (GD2), Erasmago_293 (GD2), Erasmago_294 (GD2), Erasmago_295 (GD2), Erasmago_296 (GD2), Zooman_272 (GD2), Zooman_273 (GD2), Zooman_275 (GD2),

Summary by clusters:

There is one cluster represented in this pham: GD2

Info for manual annotations of cluster GD2:

- Start number 8 was manually annotated 1 time for cluster GD2.
- Start number 10 was manually annotated 4 times for cluster GD2.

Gene Information:

Gene: Big4_288 Start: 160333, Stop: 160650, Start Num: 10

Candidate Starts for Big4_288:

(3, 160210), (4, 160213), (7, 160330), (Start: 10 @160333 has 4 MA's), (14, 160381), (16, 160390), (20, 160411), (21, 160417), (22, 160423), (24, 160429), (32, 160459), (39, 160531), (40, 160534), (45, 160552), (47, 160573),

Gene: Big4_287 Start: 160031, Stop: 160333, Start Num: 8

Candidate Starts for Big4_287:

(Start: 8 @160031 has 1 MA's), (14, 160085), (15, 160091), (20, 160115), (24, 160133), (34, 160193), (46, 160250), (48, 160283), (50, 160292),

Gene: Erasmago_296 Start: 160318, Stop: 160626, Start Num: 10

Candidate Starts for Erasmago_296:

(Start: 10 @160318 has 4 MA's), (17, 160381), (34, 160477), (40, 160516), (41, 160519), (43, 160528), (47, 160555),

Gene: Erasmago_293 Start: 159437, Stop: 159742, Start Num: 10

Candidate Starts for Erasmago_293:

(Start: 10 @159437 has 4 MA's), (12, 159473), (14, 159485), (19, 159509), (20, 159515), (22, 159527), (35, 159605), (46, 159659), (52, 159704),

Gene: Erasmago_294 Start: 159744, Stop: 160028, Start Num: 10

Candidate Starts for Erasmago_294:

(Start: 10 @159744 has 4 MA's), (13, 159798), (18, 159816), (20, 159831), (34, 159909), (37, 159933), (44, 159963),

Gene: Erasmago_295 Start: 160028, Stop: 160318, Start Num: 10

Candidate Starts for Erasmago_295:

(Start: 10 @160028 has 4 MA's), (14, 160079), (16, 160088), (19, 160103), (23, 160124), (25, 160130), (29, 160142), (36, 160208),

Gene: Erasmago_290 Start: 158421, Stop: 158759, Start Num: 10

Candidate Starts for Erasmago_290:

(6, 158403), (9, 158418), (Start: 10 @158421 has 4 MA's), (15, 158484), (26, 158532), (31, 158553), (46, 158655),

Gene: Zooman_275 Start: 160778, Stop: 161080, Start Num: 10

Candidate Starts for Zooman_275:

(Start: 10 @160778 has 4 MA's), (11, 160799), (13, 160823), (17, 160838), (18, 160841), (27, 160886), (28, 160889), (30, 160895), (33, 160910), (38, 160958), (42, 160976), (44, 160985), (51, 161045),

Gene: Zooman_273 Start: 160144, Stop: 160461, Start Num: 10

Candidate Starts for Zooman_273:

(4, 160024), (5, 160099), (Start: 10 @160144 has 4 MA's), (14, 160192), (20, 160222), (22, 160234), (32, 160270), (37, 160330), (40, 160345), (45, 160363), (47, 160384), (49, 160414), (53, 160441),

Gene: Zooman_272 Start: 159842, Stop: 160144, Start Num: 10

Candidate Starts for Zooman_272:

(1, 159704), (2, 159707), (Start: 10 @159842 has 4 MA's), (22, 159938), (24, 159944), (34, 160004), (48, 160094), (50, 160103),