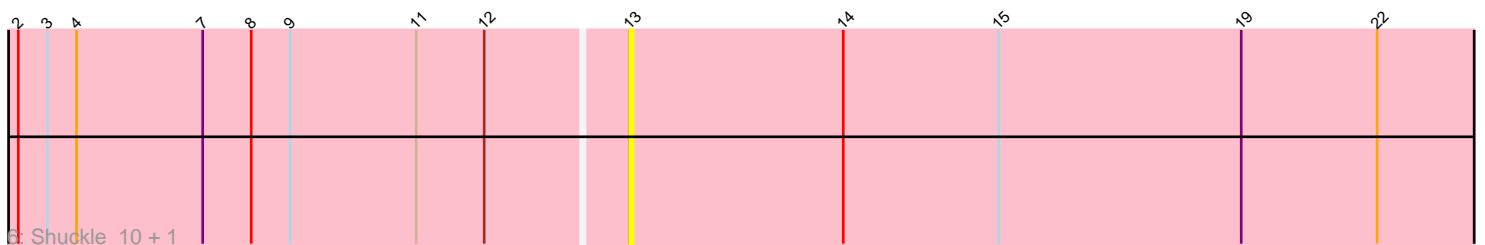
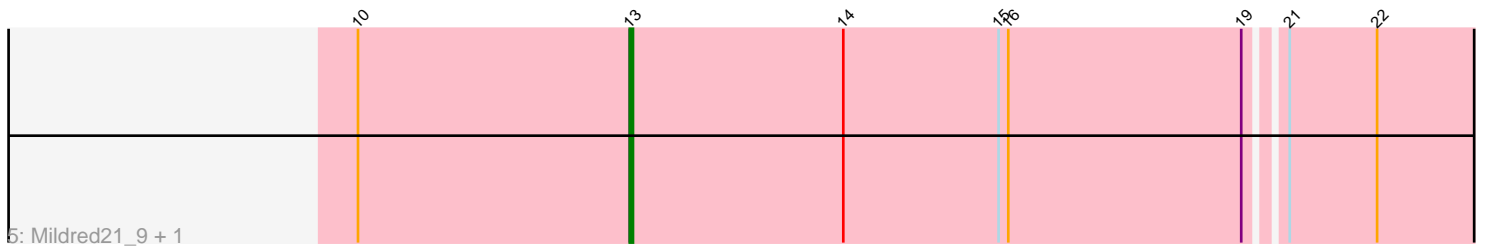
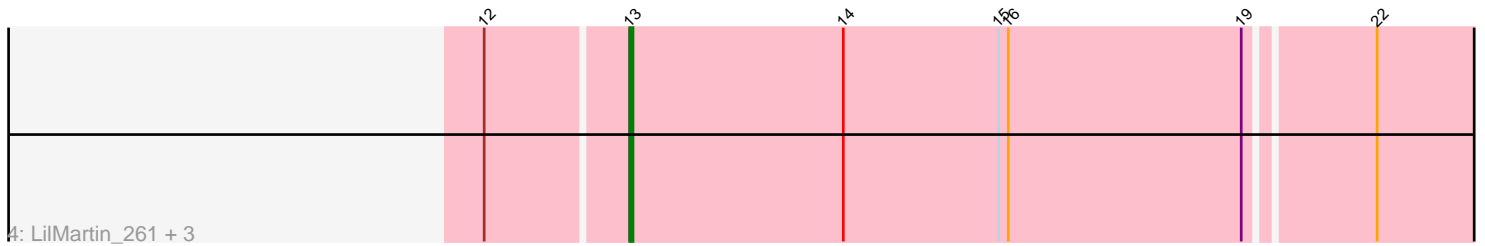
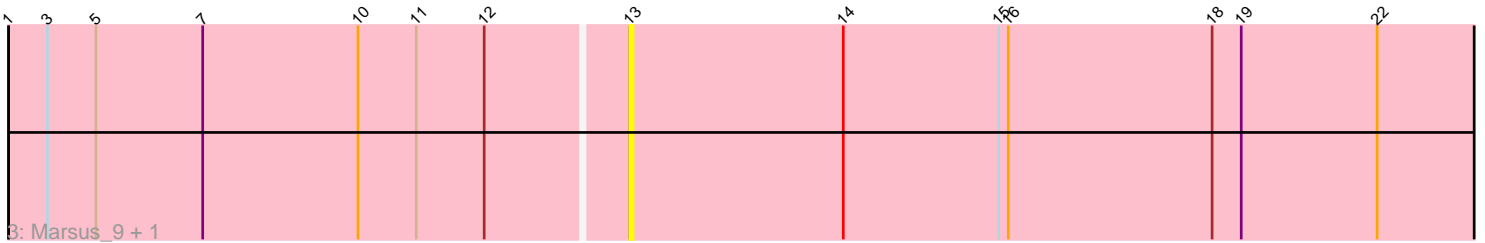
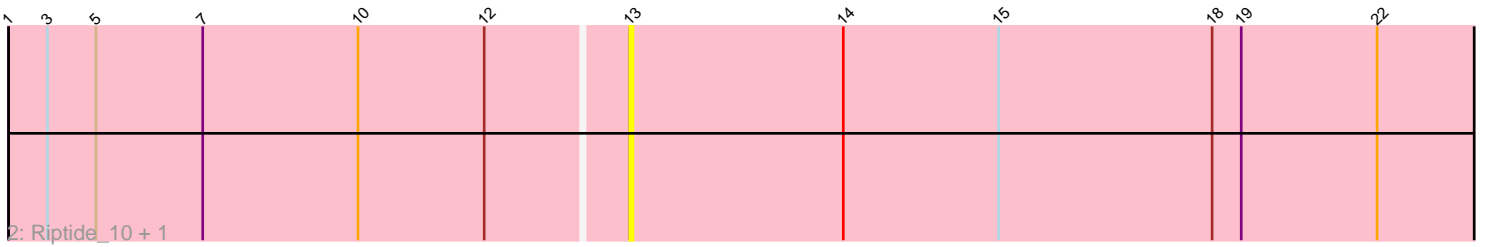
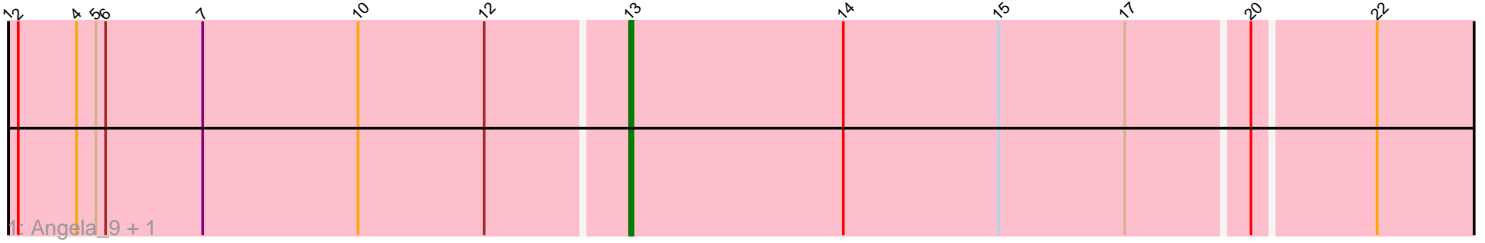


Pham 205662



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 205662 Report

This analysis was run 02/22/25 on database version 588.

Pham number 205662 has 14 members, 6 are drafts.

Phages represented in each track:

- Track 1 : Angela_9, Angela_266
- Track 2 : Riptide_10, Riptide_267
- Track 3 : Marsus_9, Marsus_277
- Track 4 : LilMartin_261, MulchMansion_265, LilMartin_9, MulchMansion_9
- Track 5 : Mildred21_9, Mildred21_272
- Track 6 : Shuckle_10, Shuckle_263

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

The start number called the most often in the published annotations is 13, it was called in 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Angela_266, Angela_9, LilMartin_261, LilMartin_9, Marsus_277, Marsus_9, Mildred21_272, Mildred21_9, MulchMansion_265, MulchMansion_9, Riptide_10, Riptide_267, Shuckle_10, Shuckle_263,

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 13:

- Found in 14 of 14 (100.0%) of genes in pham
- Manual Annotations of this start: 8 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Angela_266 (BE1), Angela_9 (BE1), LilMartin_261 (BE1), LilMartin_9 (BE1), Marsus_277 (BE1), Marsus_9 (BE1), Mildred21_272 (BE1), Mildred21_9 (BE1), MulchMansion_265 (BE1), MulchMansion_9 (BE1), Riptide_10 (BE1), Riptide_267 (BE1), Shuckle_10 (BE1), Shuckle_263 (BE1),

Summary by clusters:

There is one cluster represented in this pham: BE1

Info for manual annotations of cluster BE1:

•Start number 13 was manually annotated 8 times for cluster BE1.

Gene Information:

Gene: Angela_9 Start: 5879, Stop: 5604, Start Num: 13

Candidate Starts for Angela_9:

(1, 6068), (2, 6065), (4, 6047), (5, 6041), (6, 6038), (7, 6008), (10, 5960), (12, 5921), (Start: 13 @5879 has 8 MA's), (14, 5813), (15, 5765), (17, 5726), (20, 5690), (22, 5654),

Gene: Angela_266 Start: 128282, Stop: 128007, Start Num: 13

Candidate Starts for Angela_266:

(1, 128471), (2, 128468), (4, 128450), (5, 128444), (6, 128441), (7, 128411), (10, 128363), (12, 128324), (Start: 13 @128282 has 8 MA's), (14, 128216), (15, 128168), (17, 128129), (20, 128093), (22, 128057),

Gene: LilMartin_261 Start: 127209, Stop: 126934, Start Num: 13

Candidate Starts for LilMartin_261:

(12, 127251), (Start: 13 @127209 has 8 MA's), (14, 127143), (15, 127095), (16, 127092), (19, 127020), (22, 126984),

Gene: LilMartin_9 Start: 5865, Stop: 5590, Start Num: 13

Candidate Starts for LilMartin_9:

(12, 5907), (Start: 13 @5865 has 8 MA's), (14, 5799), (15, 5751), (16, 5748), (19, 5676), (22, 5640),

Gene: Marsus_9 Start: 5864, Stop: 5583, Start Num: 13

Candidate Starts for Marsus_9:

(1, 6053), (3, 6041), (5, 6026), (7, 5993), (10, 5945), (11, 5927), (12, 5906), (Start: 13 @5864 has 8 MA's), (14, 5798), (15, 5750), (16, 5747), (18, 5684), (19, 5675), (22, 5633),

Gene: Marsus_277 Start: 129568, Stop: 129287, Start Num: 13

Candidate Starts for Marsus_277:

(1, 129757), (3, 129745), (5, 129730), (7, 129697), (10, 129649), (11, 129631), (12, 129610), (Start: 13 @129568 has 8 MA's), (14, 129502), (15, 129454), (16, 129451), (18, 129388), (19, 129379), (22, 129337),

Gene: Mildred21_9 Start: 5450, Stop: 5175, Start Num: 13

Candidate Starts for Mildred21_9:

(10, 5534), (Start: 13 @5450 has 8 MA's), (14, 5384), (15, 5336), (16, 5333), (19, 5261), (21, 5252), (22, 5225),

Gene: Mildred21_272 Start: 126608, Stop: 126333, Start Num: 13

Candidate Starts for Mildred21_272:

(10, 126692), (Start: 13 @126608 has 8 MA's), (14, 126542), (15, 126494), (16, 126491), (19, 126419), (21, 126410), (22, 126383),

Gene: MulchMansion_265 Start: 128843, Stop: 128568, Start Num: 13

Candidate Starts for MulchMansion_265:

(12, 128885), (Start: 13 @128843 has 8 MA's), (14, 128777), (15, 128729), (16, 128726), (19, 128654), (22, 128618),

Gene: MulchMansion_9 Start: 5865, Stop: 5590, Start Num: 13

Candidate Starts for MulchMansion_9:

(12, 5907), (Start: 13 @5865 has 8 MA's), (14, 5799), (15, 5751), (16, 5748), (19, 5676), (22, 5640),

Gene: Riptide_10 Start: 5926, Stop: 5645, Start Num: 13

Candidate Starts for Riptide_10:

(1, 6115), (3, 6103), (5, 6088), (7, 6055), (10, 6007), (12, 5968), (Start: 13 @5926 has 8 MA's), (14, 5860), (15, 5812), (18, 5746), (19, 5737), (22, 5695),

Gene: Riptide_267 Start: 127378, Stop: 127097, Start Num: 13

Candidate Starts for Riptide_267:

(1, 127567), (3, 127555), (5, 127540), (7, 127507), (10, 127459), (12, 127420), (Start: 13 @127378 has 8 MA's), (14, 127312), (15, 127264), (18, 127198), (19, 127189), (22, 127147),

Gene: Shuckle_10 Start: 5940, Stop: 5659, Start Num: 13

Candidate Starts for Shuckle_10:

(2, 6126), (3, 6117), (4, 6108), (7, 6069), (8, 6054), (9, 6042), (11, 6003), (12, 5982), (Start: 13 @5940 has 8 MA's), (14, 5874), (15, 5826), (19, 5751), (22, 5709),

Gene: Shuckle_263 Start: 128573, Stop: 128292, Start Num: 13

Candidate Starts for Shuckle_263:

(2, 128759), (3, 128750), (4, 128741), (7, 128702), (8, 128687), (9, 128675), (11, 128636), (12, 128615), (Start: 13 @128573 has 8 MA's), (14, 128507), (15, 128459), (19, 128384), (22, 128342),