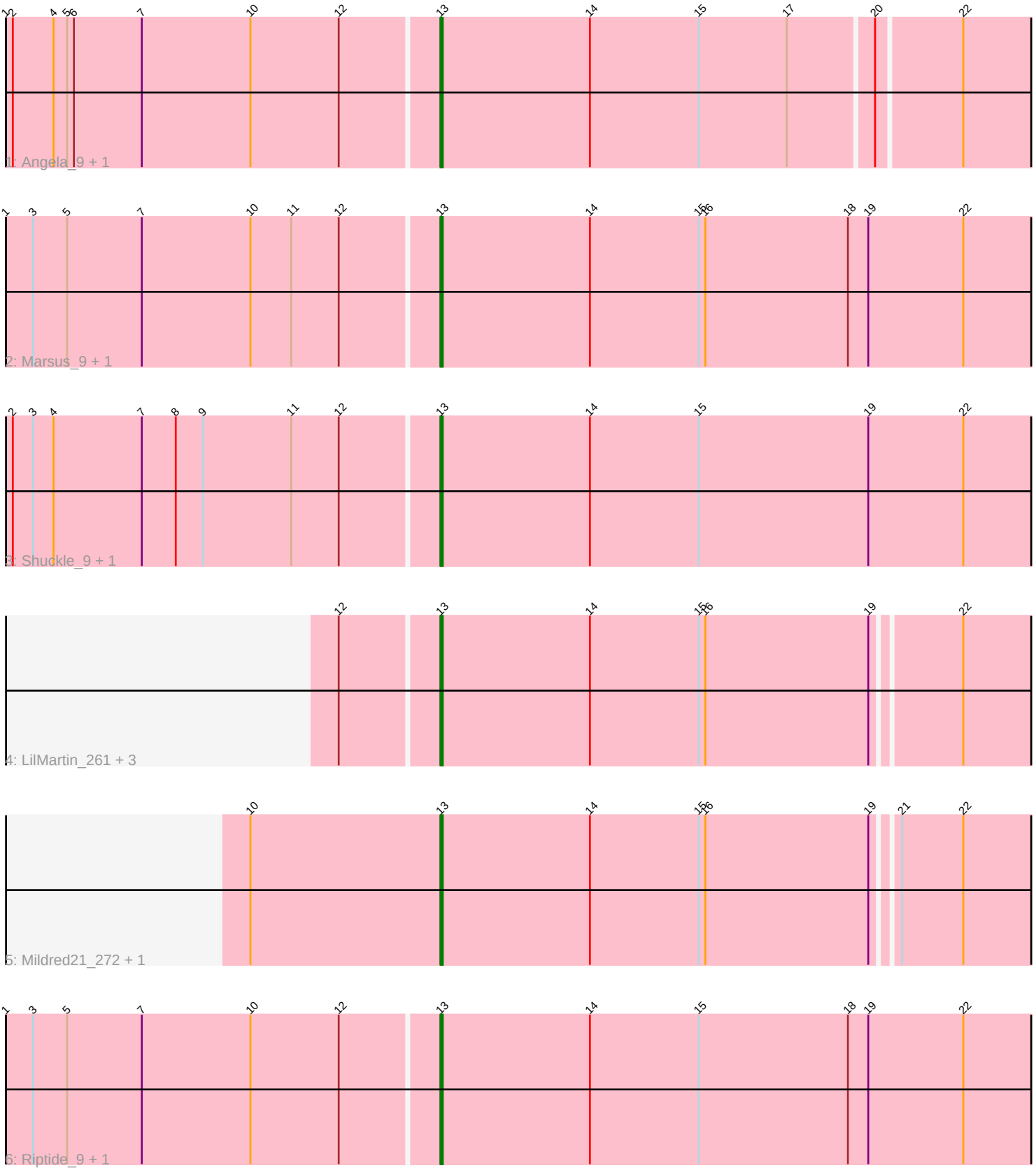
Pham 291663


1: Angela_9 + 1
2: Marsus_9 + 1
3: Shuckle_9 + 1
4: LilMartin_261 + 3
5: Mildred21_272 + 1
6: Riptide_9 + 1

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 291663 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291663 has 14 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Angela_9, Angela_266
• Track 2 : Marsus_9, Marsus_266
• Track 3 : Shuckle_9, Shuckle_257
• Track 4 : LilMartin_261, MulchMansion_265, LilMartin_9, MulchMansion_9
• Track 5 : Mildred21_272, Mildred21_9
• Track 6 : Riptide_9, Riptide_264

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

Genes that call this "Most Annotated" start:
• Angela_266, Angela_9, LilMartin_261, LilMartin_9, Marsus_266, Marsus_9, Mildred21_272, Mildred21_9, MulchMansion_265, MulchMansion_9, Riptide_264, Riptide_9, Shuckle_257, Shuckle_9,

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: 14 of 14
• 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_266 (BE1), Marsus_9 (BE1), Mildred21_272 (BE1), Mildred21_9 (BE1), MulchMansion_265 (BE1), MulchMansion_9 (BE1), Riptide_264 (BE1), Riptide_9 (BE1), Shuckle_257 (BE1), Shuckle_9 (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 14 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 14 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 14 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 14 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 14 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 14 MA's), (14, 5798), (15, 5750), (16, 5747), (18, 5684), (19, 5675), (22, 5633),

Gene: Marsus_266 Start: 129568, Stop: 129287, Start Num: 13
Candidate Starts for Marsus_266:
(1, 129757), (3, 129745), (5, 129730), (7, 129697), (10, 129649), (11, 129631), (12, 129610), (Start: 13 @129568 has 14 MA's), (14, 129502), (15, 129454), (16, 129451), (18, 129388), (19, 129379), (22, 129337),

Gene: Mildred21_272 Start: 126608, Stop: 126333, Start Num: 13
Candidate Starts for Mildred21_272:
(10, 126692), (Start: 13 @126608 has 14 MA's), (14, 126542), (15, 126494), (16, 126491), (19, 126419), (21, 126410), (22, 126383),

Gene: Mildred21_9 Start: 5450, Stop: 5175, Start Num: 13
Candidate Starts for Mildred21_9:
(10, 5534), (Start: 13 @5450 has 14 MA's), (14, 5384), (15, 5336), (16, 5333), (19, 5261), (21, 5252), (22, 5225),

Gene: MulchMansion_265 Start: 128843, Stop: 128568, Start Num: 13
Candidate Starts for MulchMansion_265:
(12, 128885), (Start: 13 @128843 has 14 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 14 MA's), (14, 5799), (15, 5751), (16, 5748), (19, 5676), (22, 5640),

Gene: Riptide_9 Start: 5926, Stop: 5645, Start Num: 13
Candidate Starts for Riptide_9:
(1, 6115), (3, 6103), (5, 6088), (7, 6055), (10, 6007), (12, 5968), (Start: 13 @5926 has 14 MA's), (14, 5860), (15, 5812), (18, 5746), (19, 5737), (22, 5695),

Gene: Riptide_264 Start: 127378, Stop: 127097, Start Num: 13
Candidate Starts for Riptide_264:
(1, 127567), (3, 127555), (5, 127540), (7, 127507), (10, 127459), (12, 127420), (Start: 13 @127378 has 14 MA's), (14, 127312), (15, 127264), (18, 127198), (19, 127189), (22, 127147),

Gene: Shuckle_9 Start: 5940, Stop: 5659, Start Num: 13
Candidate Starts for Shuckle_9:
(2, 6126), (3, 6117), (4, 6108), (7, 6069), (8, 6054), (9, 6042), (11, 6003), (12, 5982), (Start: 13 @5940 has 14 MA's), (14, 5874), (15, 5826), (19, 5751), (22, 5709),

Gene: Shuckle_257 Start: 128573, Stop: 128292, Start Num: 13
Candidate Starts for Shuckle_257:
(2, 128759), (3, 128750), (4, 128741), (7, 128702), (8, 128687), (9, 128675), (11, 128636), (12, 128615), (Start: 13 @128573 has 14 MA's), (14, 128507), (15, 128459), (19, 128384), (22, 128342),