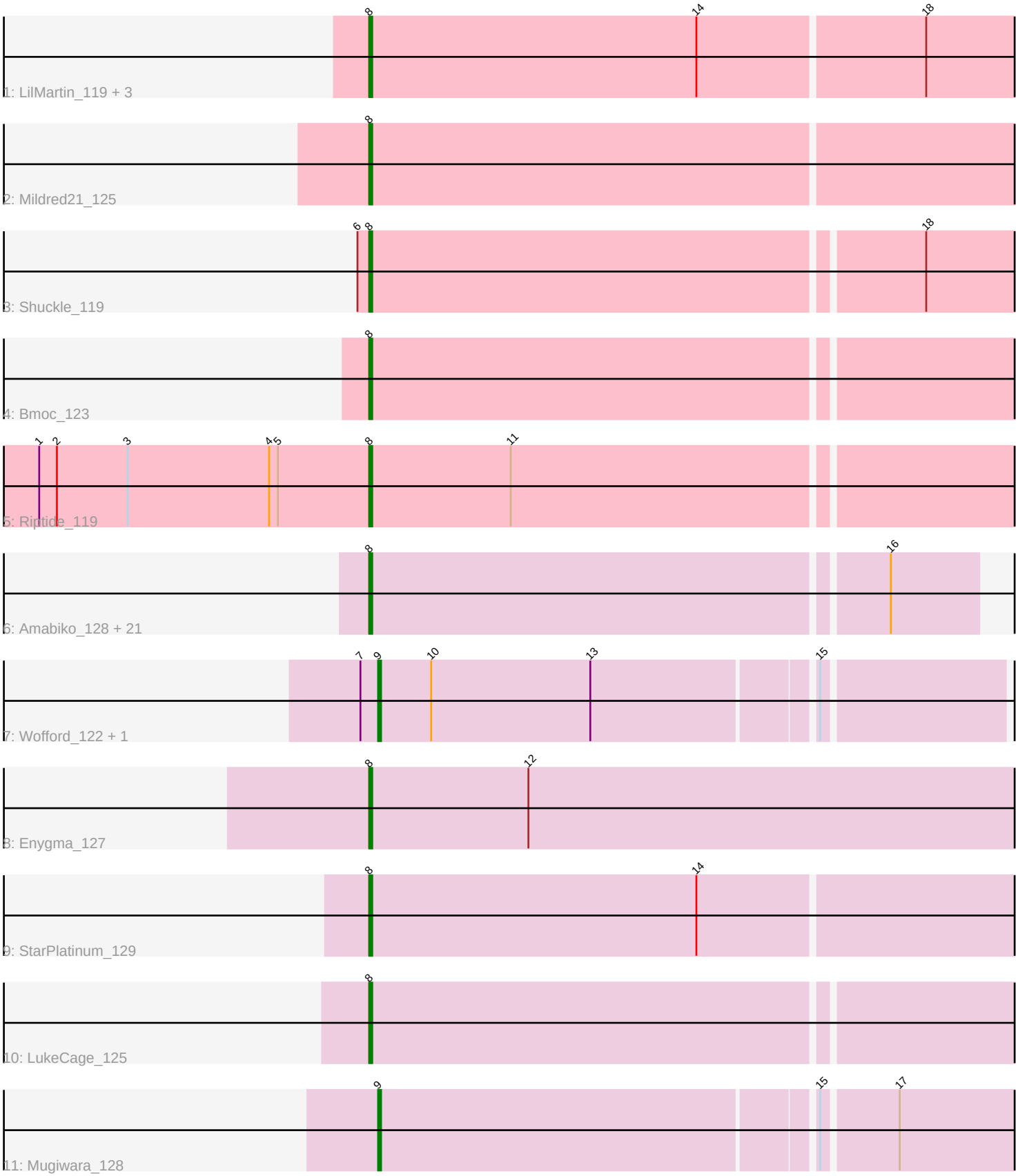
Pham 289584


8
14
18
1: LilMartin_119 + 3
8
2: Mildred21_125
6
8
18
3: Shuckle_119
8
4: Bmoc_123
1
2
3
4
5
8
11
5: Riptide_119
8
16
6: Amabiko_128 + 21
7
9
10
13
15
7: Wofford_122 + 1
8
12
8: Enygma_127
8
14
9: StarPlatinum_129
8
10: LukeCage_125
9
15
17
11: Mugiwara_128

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 289584 Report

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

Pham number 289584 has 36 members, 2 are drafts.

Phages represented in each track:
• Track 1 : LilMartin_119, Angela_120, Marsus_121, MulchMansion_119
• Track 2 : Mildred21_125
• Track 3 : Shuckle_119
• Track 4 : Bmoc_123
• Track 5 : Riptide_119
• Track 6 : Amabiko_128, Bordeaux_126, Gibbi_133, PumpkinSpice_129, Starbow_126, Rikishi_126, Battuta_126, Quaran19_127, KentuckyRacer_129, Spelly_129, Spilled_130, Jollison_127, AcciDwight_132, IchabodCrane_123, JimJam_130, CeilingFan_127, SaltySpitoon_127, Birchlyn_126, MindFlayer_124, Brizzy_126, Wipeout_122, TomSawyer_128
• Track 7 : Wofford_122, Elmer_126
• Track 8 : Enygma_127
• Track 9 : StarPlatinum_129
• Track 10 : LukeCage_125
• Track 11 : Mugiwara_128

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

The start number called the most often in the published annotations is 8, it was called in 31 of the 34 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AcciDwight_132, Amabiko_128, Angela_120, Battuta_126, Birchlyn_126, Bmoc_123, Bordeaux_126, Brizzy_126, CeilingFan_127, Enygma_127, Gibbi_133, IchabodCrane_123, JimJam_130, Jollison_127, KentuckyRacer_129, LilMartin_119, LukeCage_125, Marsus_121, Mildred21_125, MindFlayer_124, MulchMansion_119, PumpkinSpice_129, Quaran19_127, Rikishi_126, Riptide_119, SaltySpitoon_127, Shuckle_119, Spelly_129, Spilled_130, StarPlatinum_129, Starbow_126, TomSawyer_128, Wipeout_122,

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

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

• Elmer_126, Mugiwara_128, Wofford_122,

Summary by start number:

Start 8:
• Found in 33 of 36 (91.7%) of genes in pham
• Manual Annotations of this start: 31 of 34
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AcciDwight_132 (BE2), Amabiko_128 (BE2), Angela_120 (BE1), Battuta_126 (BE2), Birchlyn_126 (BE2), Bmoc_123 (BE1), Bordeaux_126 (BE2), Brizzy_126 (BE2), CeilingFan_127 (BE2), Enygma_127 (BE2), Gibbi_133 (BE2), IchabodCrane_123 (BE2), JimJam_130 (BE2), Jollison_127 (BE2), KentuckyRacer_129 (BE2), LilMartin_119 (BE1), LukeCage_125 (BE2), Marsus_121 (BE1), Mildred21_125 (BE1), MindFlayer_124 (BE2), MulchMansion_119 (BE1), PumpkinSpice_129 (BE2), Quaran19_127 (BE2), Rikishi_126 (BE2), Riptide_119 (BE1), SaltySpitoon_127 (BE2), Shuckle_119 (BE1), Spelly_129 (BE2), Spilled_130 (BE2), StarPlatinum_129 (BE2), Starbow_126 (BE2), TomSawyer_128 (BE2), Wipeout_122 (BE2),

Start 9:
• Found in 3 of 36 (8.3%) of genes in pham
• Manual Annotations of this start: 3 of 34
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Elmer_126 (BE2), Mugiwara_128 (BE2), Wofford_122 (BE2),

Summary by clusters:

There are 2 clusters represented in this pham: BE2, BE1,

Info for manual annotations of cluster BE1:
•Start number 8 was manually annotated 8 times for cluster BE1.

Info for manual annotations of cluster BE2:
•Start number 8 was manually annotated 23 times for cluster BE2.
•Start number 9 was manually annotated 3 times for cluster BE2.

Gene Information:

Gene: AcciDwight_132 Start: 79745, Stop: 79945, Start Num: 8
Candidate Starts for AcciDwight_132:
(Start: 8 @79745 has 31 MA's), (16, 79916),

Gene: Amabiko_128 Start: 79790, Stop: 79990, Start Num: 8
Candidate Starts for Amabiko_128:
(Start: 8 @79790 has 31 MA's), (16, 79961),

Gene: Angela_120 Start: 78670, Stop: 78918, Start Num: 8
Candidate Starts for Angela_120:
(Start: 8 @78670 has 31 MA's), (14, 78781), (18, 78856),

Gene: Battuta_126 Start: 79763, Stop: 79963, Start Num: 8
Candidate Starts for Battuta_126:
(Start: 8 @79763 has 31 MA's), (16, 79934),

Gene: Birchlyn_126 Start: 77650, Stop: 77850, Start Num: 8
Candidate Starts for Birchlyn_126:
(Start: 8 @77650 has 31 MA's), (16, 77821),

Gene: Bmoc_123 Start: 78996, Stop: 79238, Start Num: 8
Candidate Starts for Bmoc_123:
(Start: 8 @78996 has 31 MA's),

Gene: Bordeaux_126 Start: 79918, Stop: 80118, Start Num: 8
Candidate Starts for Bordeaux_126:
(Start: 8 @79918 has 31 MA's), (16, 80089),

Gene: Brizzy_126 Start: 79571, Stop: 79771, Start Num: 8
Candidate Starts for Brizzy_126:
(Start: 8 @79571 has 31 MA's), (16, 79742),

Gene: CeilingFan_127 Start: 79682, Stop: 79882, Start Num: 8
Candidate Starts for CeilingFan_127:
(Start: 8 @79682 has 31 MA's), (16, 79853),

Gene: Elmer_126 Start: 80893, Stop: 81111, Start Num: 9
Candidate Starts for Elmer_126:
(7, 80887), (Start: 9 @80893 has 3 MA's), (10, 80911), (13, 80965), (15, 81037),

Gene: Enygma_127 Start: 81332, Stop: 81577, Start Num: 8
Candidate Starts for Enygma_127:
(Start: 8 @81332 has 31 MA's), (12, 81386),

Gene: Gibbi_133 Start: 79902, Stop: 80102, Start Num: 8
Candidate Starts for Gibbi_133:
(Start: 8 @79902 has 31 MA's), (16, 80073),

Gene: IchabodCrane_123 Start: 79491, Stop: 79691, Start Num: 8
Candidate Starts for IchabodCrane_123:
(Start: 8 @79491 has 31 MA's), (16, 79662),

Gene: JimJam_130 Start: 80312, Stop: 80512, Start Num: 8
Candidate Starts for JimJam_130:
(Start: 8 @80312 has 31 MA's), (16, 80483),

Gene: Jollison_127 Start: 79747, Stop: 79947, Start Num: 8
Candidate Starts for Jollison_127:
(Start: 8 @79747 has 31 MA's), (16, 79918),

Gene: KentuckyRacer_129 Start: 80177, Stop: 80377, Start Num: 8
Candidate Starts for KentuckyRacer_129:
(Start: 8 @80177 has 31 MA's), (16, 80348),

Gene: LilMartin_119 Start: 78575, Stop: 78823, Start Num: 8

Candidate Starts for LilMartin_119:
(Start: 8 @78575 has 31 MA's), (14, 78686), (18, 78761),

Gene: LukeCage_125 Start: 79827, Stop: 80063, Start Num: 8
Candidate Starts for LukeCage_125:
(Start: 8 @79827 has 31 MA's),

Gene: Marsus_121 Start: 79049, Stop: 79297, Start Num: 8
Candidate Starts for Marsus_121:
(Start: 8 @79049 has 31 MA's), (14, 79160), (18, 79235),

Gene: Mildred21_125 Start: 79329, Stop: 79574, Start Num: 8
Candidate Starts for Mildred21_125:
(Start: 8 @79329 has 31 MA's),

Gene: MindFlayer_124 Start: 79398, Stop: 79598, Start Num: 8
Candidate Starts for MindFlayer_124:
(Start: 8 @79398 has 31 MA's), (16, 79569),

Gene: Mugiwara_128 Start: 80616, Stop: 80840, Start Num: 9
Candidate Starts for Mugiwara_128:
(Start: 9 @80616 has 3 MA's), (15, 80760), (17, 80784),

Gene: MulchMansion_119 Start: 78618, Stop: 78866, Start Num: 8
Candidate Starts for MulchMansion_119:
(Start: 8 @78618 has 31 MA's), (14, 78729), (18, 78804),

Gene: PumpkinSpice_129 Start: 80354, Stop: 80554, Start Num: 8
Candidate Starts for PumpkinSpice_129:
(Start: 8 @80354 has 31 MA's), (16, 80525),

Gene: Quaran19_127 Start: 79781, Stop: 79981, Start Num: 8
Candidate Starts for Quaran19_127:
(Start: 8 @79781 has 31 MA's), (16, 79952),

Gene: Rikishi_126 Start: 79696, Stop: 79896, Start Num: 8
Candidate Starts for Rikishi_126:
(Start: 8 @79696 has 31 MA's), (16, 79867),

Gene: Riptide_119 Start: 78070, Stop: 78312, Start Num: 8
Candidate Starts for Riptide_119:
(1, 77959), (2, 77965), (3, 77989), (4, 78037), (5, 78040), (Start: 8 @78070 has 31 MA's), (11, 78118),

Gene: SaltySpitoon_127 Start: 79793, Stop: 79993, Start Num: 8
Candidate Starts for SaltySpitoon_127:
(Start: 8 @79793 has 31 MA's), (16, 79964),

Gene: Shuckle_119 Start: 79769, Stop: 80005, Start Num: 8
Candidate Starts for Shuckle_119:
(6, 79766), (Start: 8 @79769 has 31 MA's), (18, 79952),

Gene: Spelly_129 Start: 79745, Stop: 79945, Start Num: 8
Candidate Starts for Spelly_129:

(Start: 8 @79745 has 31 MA's), (16, 79916),

Gene: Spilled_130 Start: 79863, Stop: 80063, Start Num: 8
Candidate Starts for Spilled_130:
(Start: 8 @79863 has 31 MA's), (16, 80034),

Gene: StarPlatinum_129 Start: 80807, Stop: 81049, Start Num: 8
Candidate Starts for StarPlatinum_129:
(Start: 8 @80807 has 31 MA's), (14, 80918),

Gene: Starbow_126 Start: 79765, Stop: 79965, Start Num: 8
Candidate Starts for Starbow_126:
(Start: 8 @79765 has 31 MA's), (16, 79936),

Gene: TomSawyer_128 Start: 79811, Stop: 80011, Start Num: 8
Candidate Starts for TomSawyer_128:
(Start: 8 @79811 has 31 MA's), (16, 79982),

Gene: Wipeout_122 Start: 80135, Stop: 80335, Start Num: 8
Candidate Starts for Wipeout_122:
(Start: 8 @80135 has 31 MA's), (16, 80306),

Gene: Wofford_122 Start: 80857, Stop: 81075, Start Num: 9
Candidate Starts for Wofford_122:
(7, 80851), (Start: 9 @80857 has 3 MA's), (10, 80875), (13, 80929), (15, 81001),