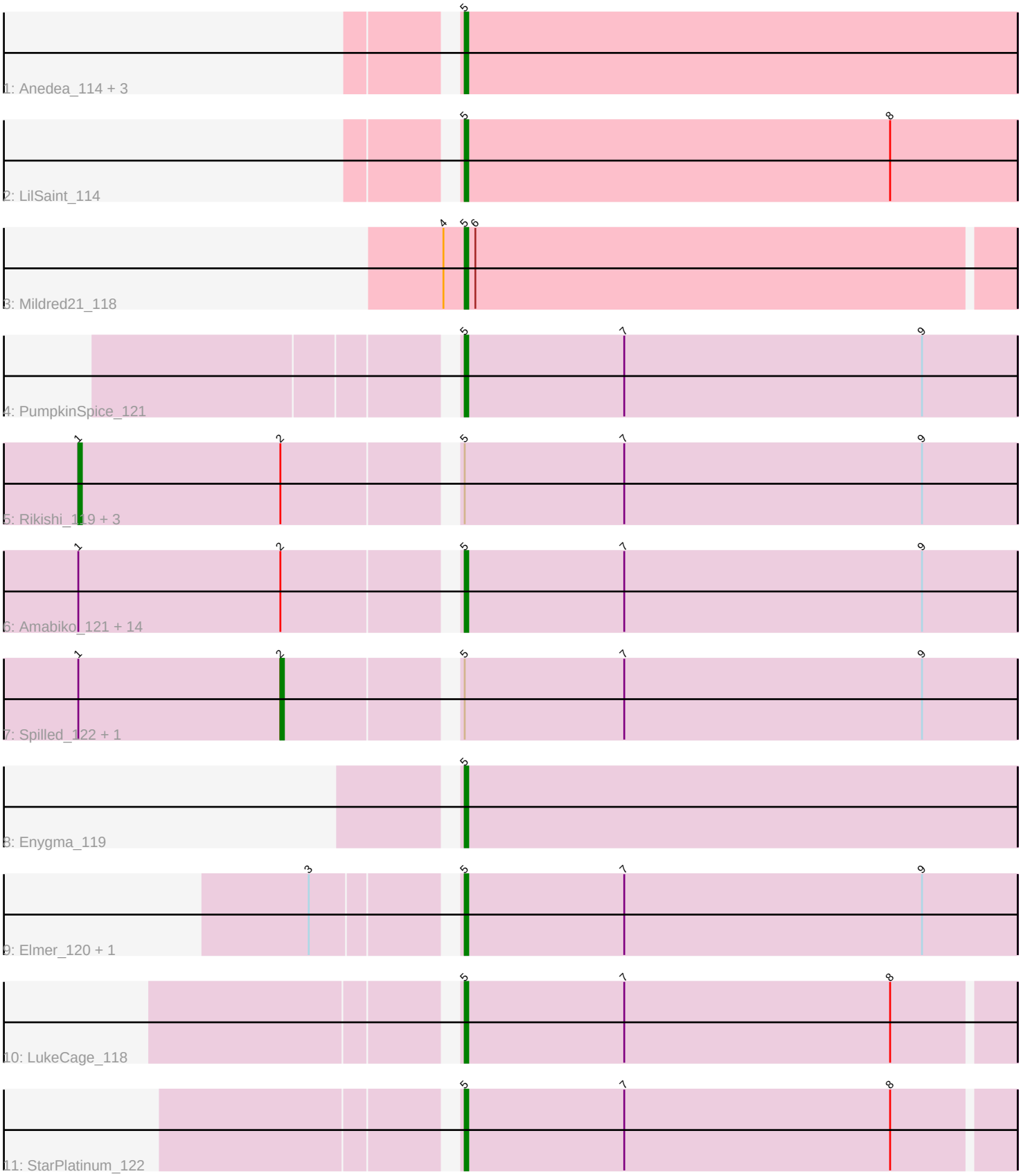
Pham 291377


5
1: Anedea_114 + 3
5
8
2: LilSaint_114
4
5
6
3: Mildred21_118
5
7
9
4: PumpkinSpice_121
1
2
5
7
9
5: Rikishi_119 + 3
1
2
5
7
9
6: Amabiko_121 + 14
1
2
5
7
9
7: Spilled_122 + 1
5
8: Enygma_119
3
5
7
9
9: Elmer_120 + 1
5
7
8
10: LukeCage_118
5
7
8
11: StarPlatinum_122

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 291377 Report

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

Pham number 291377 has 33 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Anedea_114, Bmoc_116, Riptide_111, Mugiwara_120
• Track 2 : LilSaint_114
• Track 3 : Mildred21_118
• Track 4 : PumpkinSpice_121
• Track 5 : Rikishi_119, KentuckyRacer_122, IchabodCrane_116, MindFlayer_117
• Track 6 : Amabiko_121, Spelly_121, Quaran19_120, Wipeout_116, AcciDwight_125, Birchlyn_118, Karimac_120, Gibbi_126, Bordeaux_119, Starbow_119, Jollison_120, Battuta_119, SaltySpitoon_120, CeilingFan_120, TomSawyer_121
• Track 7 : Spilled_122, JimJam_122
• Track 8 : Enygma_119
• Track 9 : Elmer_120, Wofford_116
• Track 10 : LukeCage_118
• Track 11 : StarPlatinum_122

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

The start number called the most often in the published annotations is 5, it was called in 25 of the 31 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AcciDwight_125, Amabiko_121, Anedea_114, Battuta_119, Birchlyn_118, Bmoc_116, Bordeaux_119, CeilingFan_120, Elmer_120, Enygma_119, Gibbi_126, Jollison_120, Karimac_120, LilSaint_114, LukeCage_118, Mildred21_118, Mugiwara_120, PumpkinSpice_121, Quaran19_120, Riptide_111, SaltySpitoon_120, Spelly_121, StarPlatinum_122, Starbow_119, TomSawyer_121, Wipeout_116, Wofford_116,

Genes that have the "Most Annotated" start but do not call it:
• IchabodCrane_116, JimJam_122, KentuckyRacer_122, MindFlayer_117, Rikishi_119, Spilled_122,

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

Summary by start number:

Start 1:
• Found in 21 of 33 (63.6%) of genes in pham
• Manual Annotations of this start: 4 of 31
• Called 19.0% of time when present
• Phage (with cluster) where this start called: IchabodCrane_116 (BE2), KentuckyRacer_122 (BE2), MindFlayer_117 (BE2), Rikishi_119 (BE2),

Start 2:
• Found in 21 of 33 (63.6%) of genes in pham
• Manual Annotations of this start: 2 of 31
• Called 9.5% of time when present
• Phage (with cluster) where this start called: JimJam_122 (BE2), Spilled_122 (BE2),

Start 5:
• Found in 33 of 33 (100.0%) of genes in pham
• Manual Annotations of this start: 25 of 31
• Called 81.8% of time when present
• Phage (with cluster) where this start called: AcciDwight_125 (BE2), Amabiko_121 (BE2), Anedea_114 (BE1), Battuta_119 (BE2), Birchlyn_118 (BE2), Bmoc_116 (BE1), Bordeaux_119 (BE2), CeilingFan_120 (BE2), Elmer_120 (BE2), Enygma_119 (BE2), Gibbi_126 (BE2), Jollison_120 (BE2), Karimac_120 (BE2), LilSaint_114 (BE1), LukeCage_118 (BE2), Mildred21_118 (BE1), Mugiwara_120 (BE2), PumpkinSpice_121 (BE2), Quaran19_120 (BE2), Riptide_111 (BE1), SaltySpitoon_120 (BE2), Spelly_121 (BE2), StarPlatinum_122 (BE2), Starbow_119 (BE2), TomSawyer_121 (BE2), Wipeout_116 (BE2), Wofford_116 (BE2),

Summary by clusters:

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

Info for manual annotations of cluster BE1:
•Start number 5 was manually annotated 5 times for cluster BE1.

Info for manual annotations of cluster BE2:
•Start number 1 was manually annotated 4 times for cluster BE2.
•Start number 2 was manually annotated 2 times for cluster BE2.
•Start number 5 was manually annotated 20 times for cluster BE2.

Gene Information:

Gene: AcciDwight_125 Start: 77892, Stop: 78047, Start Num: 5
Candidate Starts for AcciDwight_125:
(Start: 1 @77790 has 4 MA's), (Start: 2 @77847 has 2 MA's), (Start: 5 @77892 has 25 MA's), (7, 77937), (9, 78021),

Gene: Amabiko_121 Start: 77937, Stop: 78092, Start Num: 5
Candidate Starts for Amabiko_121:
(Start: 1 @77835 has 4 MA's), (Start: 2 @77892 has 2 MA's), (Start: 5 @77937 has 25 MA's), (7, 77982), (9, 78066),

Gene: Anedea_114 Start: 76495, Stop: 76650, Start Num: 5
Candidate Starts for Anedea_114:
(Start: 5 @76495 has 25 MA's),

Gene: Battuta_119 Start: 77911, Stop: 78066, Start Num: 5
Candidate Starts for Battuta_119:
(Start: 1 @77809 has 4 MA's), (Start: 2 @77866 has 2 MA's), (Start: 5 @77911 has 25 MA's), (7, 77956), (9, 78040),

Gene: Birchlyn_118 Start: 75797, Stop: 75952, Start Num: 5
Candidate Starts for Birchlyn_118:
(Start: 1 @75695 has 4 MA's), (Start: 2 @75752 has 2 MA's), (Start: 5 @75797 has 25 MA's), (7, 75842), (9, 75926),

Gene: Bmoc_116 Start: 77106, Stop: 77258, Start Num: 5
Candidate Starts for Bmoc_116:
(Start: 5 @77106 has 25 MA's),

Gene: Bordeaux_119 Start: 78066, Stop: 78221, Start Num: 5
Candidate Starts for Bordeaux_119:
(Start: 1 @77964 has 4 MA's), (Start: 2 @78021 has 2 MA's), (Start: 5 @78066 has 25 MA's), (7, 78111), (9, 78195),

Gene: CeilingFan_120 Start: 77829, Stop: 77984, Start Num: 5
Candidate Starts for CeilingFan_120:
(Start: 1 @77727 has 4 MA's), (Start: 2 @77784 has 2 MA's), (Start: 5 @77829 has 25 MA's), (7, 77874), (9, 77958),

Gene: Elmer_120 Start: 79140, Stop: 79295, Start Num: 5
Candidate Starts for Elmer_120:
(3, 79104), (Start: 5 @79140 has 25 MA's), (7, 79185), (9, 79269),

Gene: Enygma_119 Start: 79456, Stop: 79611, Start Num: 5
Candidate Starts for Enygma_119:
(Start: 5 @79456 has 25 MA's),

Gene: Gibbi_126 Start: 78049, Stop: 78204, Start Num: 5
Candidate Starts for Gibbi_126:
(Start: 1 @77947 has 4 MA's), (Start: 2 @78004 has 2 MA's), (Start: 5 @78049 has 25 MA's), (7, 78094), (9, 78178),

Gene: IchabodCrane_116 Start: 77536, Stop: 77793, Start Num: 1
Candidate Starts for IchabodCrane_116:
(Start: 1 @77536 has 4 MA's), (Start: 2 @77593 has 2 MA's), (Start: 5 @77638 has 25 MA's), (7, 77683), (9, 77767),

Gene: JimJam_122 Start: 78415, Stop: 78615, Start Num: 2
Candidate Starts for JimJam_122:
(Start: 1 @78358 has 4 MA's), (Start: 2 @78415 has 2 MA's), (Start: 5 @78460 has 25 MA's), (7, 78505), (9, 78589),

Gene: Jollison_120 Start: 77894, Stop: 78049, Start Num: 5

Candidate Starts for Jollison_120:
(Start: 1 @77792 has 4 MA's), (Start: 2 @77849 has 2 MA's), (Start: 5 @77894 has 25 MA's), (7, 77939), (9, 78023),

Gene: Karimac_120 Start: 78175, Stop: 78330, Start Num: 5
Candidate Starts for Karimac_120:
(Start: 1 @78073 has 4 MA's), (Start: 2 @78130 has 2 MA's), (Start: 5 @78175 has 25 MA's), (7, 78220), (9, 78304),

Gene: KentuckyRacer_122 Start: 78222, Stop: 78479, Start Num: 1
Candidate Starts for KentuckyRacer_122:
(Start: 1 @78222 has 4 MA's), (Start: 2 @78279 has 2 MA's), (Start: 5 @78324 has 25 MA's), (7, 78369), (9, 78453),

Gene: LilSaint_114 Start: 76409, Stop: 76564, Start Num: 5
Candidate Starts for LilSaint_114:
(Start: 5 @76409 has 25 MA's), (8, 76529),

Gene: LukeCage_118 Start: 77847, Stop: 77999, Start Num: 5
Candidate Starts for LukeCage_118:
(Start: 5 @77847 has 25 MA's), (7, 77892), (8, 77967),

Gene: Mildred21_118 Start: 77407, Stop: 77559, Start Num: 5
Candidate Starts for Mildred21_118:
(4, 77401), (Start: 5 @77407 has 25 MA's), (6, 77410),

Gene: MindFlayer_117 Start: 77443, Stop: 77700, Start Num: 1
Candidate Starts for MindFlayer_117:
(Start: 1 @77443 has 4 MA's), (Start: 2 @77500 has 2 MA's), (Start: 5 @77545 has 25 MA's), (7, 77590), (9, 77674),

Gene: Mugiwara_120 Start: 78535, Stop: 78690, Start Num: 5
Candidate Starts for Mugiwara_120:
(Start: 5 @78535 has 25 MA's),

Gene: PumpkinSpice_121 Start: 78501, Stop: 78656, Start Num: 5
Candidate Starts for PumpkinSpice_121:
(Start: 5 @78501 has 25 MA's), (7, 78546), (9, 78630),

Gene: Quaran19_120 Start: 77928, Stop: 78083, Start Num: 5
Candidate Starts for Quaran19_120:
(Start: 1 @77826 has 4 MA's), (Start: 2 @77883 has 2 MA's), (Start: 5 @77928 has 25 MA's), (7, 77973), (9, 78057),

Gene: Rikishi_119 Start: 77741, Stop: 77998, Start Num: 1
Candidate Starts for Rikishi_119:
(Start: 1 @77741 has 4 MA's), (Start: 2 @77798 has 2 MA's), (Start: 5 @77843 has 25 MA's), (7, 77888), (9, 77972),

Gene: Riptide_111 Start: 75931, Stop: 76086, Start Num: 5
Candidate Starts for Riptide_111:
(Start: 5 @75931 has 25 MA's),

Gene: SaltySpitoon_120 Start: 77940, Stop: 78095, Start Num: 5
Candidate Starts for SaltySpitoon_120:
(Start: 1 @77838 has 4 MA's), (Start: 2 @77895 has 2 MA's), (Start: 5 @77940 has 25 MA's), (7, 77985), (9, 78069),

Gene: Spelly_121 Start: 77892, Stop: 78047, Start Num: 5
Candidate Starts for Spelly_121:
(Start: 1 @77790 has 4 MA's), (Start: 2 @77847 has 2 MA's), (Start: 5 @77892 has 25 MA's), (7, 77937), (9, 78021),

Gene: Spilled_122 Start: 77964, Stop: 78164, Start Num: 2
Candidate Starts for Spilled_122:
(Start: 1 @77907 has 4 MA's), (Start: 2 @77964 has 2 MA's), (Start: 5 @78009 has 25 MA's), (7, 78054), (9, 78138),

Gene: StarPlatinum_122 Start: 78906, Stop: 79058, Start Num: 5
Candidate Starts for StarPlatinum_122:
(Start: 5 @78906 has 25 MA's), (7, 78951), (8, 79026),

Gene: Starbow_119 Start: 77913, Stop: 78068, Start Num: 5
Candidate Starts for Starbow_119:
(Start: 1 @77811 has 4 MA's), (Start: 2 @77868 has 2 MA's), (Start: 5 @77913 has 25 MA's), (7, 77958), (9, 78042),

Gene: TomSawyer_121 Start: 77958, Stop: 78113, Start Num: 5
Candidate Starts for TomSawyer_121:
(Start: 1 @77856 has 4 MA's), (Start: 2 @77913 has 2 MA's), (Start: 5 @77958 has 25 MA's), (7, 78003), (9, 78087),

Gene: Wipeout_116 Start: 78282, Stop: 78437, Start Num: 5
Candidate Starts for Wipeout_116:
(Start: 1 @78180 has 4 MA's), (Start: 2 @78237 has 2 MA's), (Start: 5 @78282 has 25 MA's), (7, 78327), (9, 78411),

Gene: Wofford_116 Start: 79104, Stop: 79259, Start Num: 5
Candidate Starts for Wofford_116:
(3, 79068), (Start: 5 @79104 has 25 MA's), (7, 79149), (9, 79233),