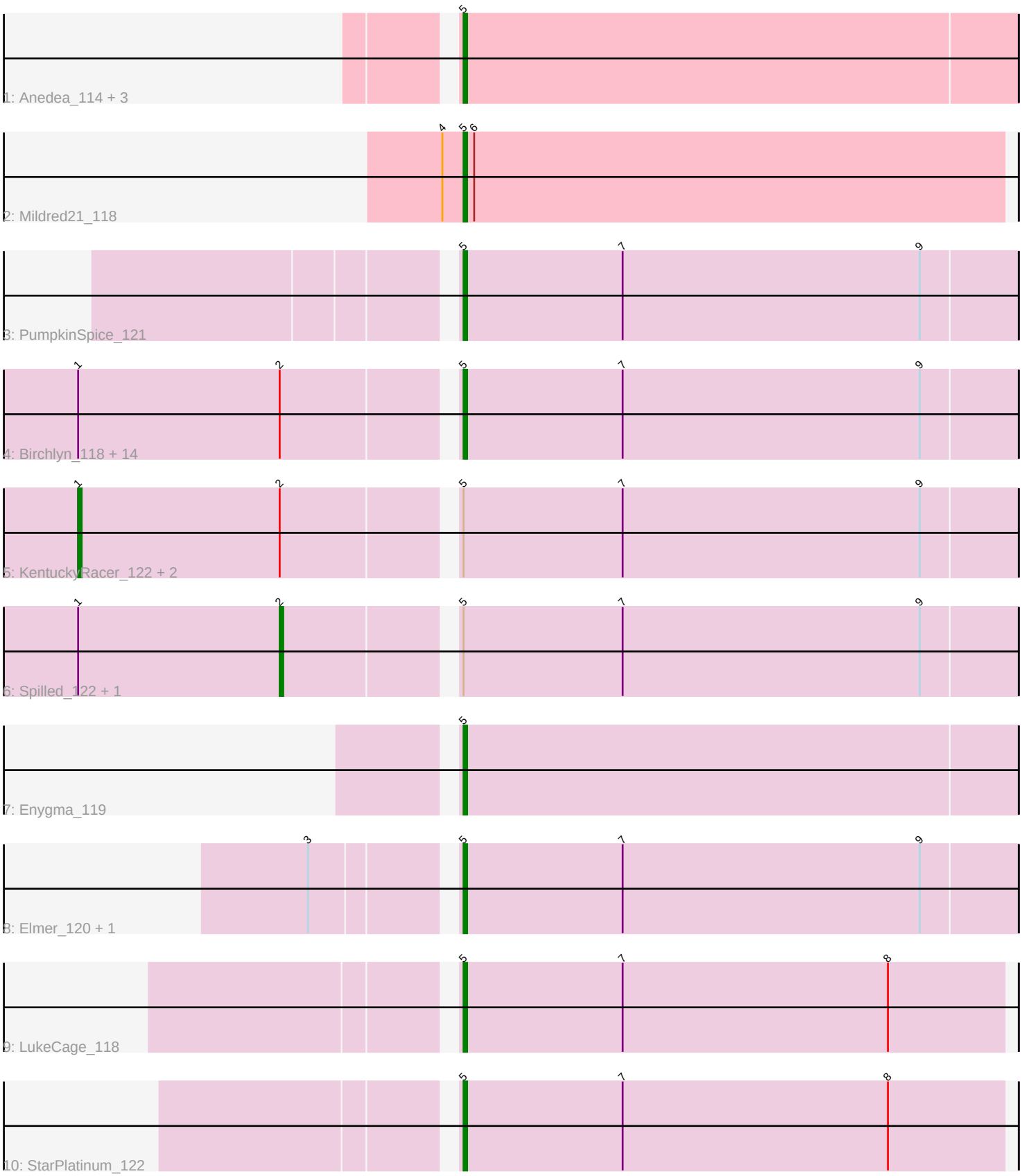
Pham 203178


5
1: Anedea_114 + 3
4
5
6
2: Mildred21_118
5
7
9
3: PumpkinSpice_121
1
2
5
7
9
4: Birchlyn_118 + 14
1
2
5
7
9
5: KentuckyRacer_122 + 2
1
2
5
7
9
6: Spilled_122 + 1
5
7: Enygma_119
3
5
7
9
8: Elmer_120 + 1
5
7
8
9: LukeCage_118
5
7
8
10: 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 203178 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203178 has 31 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Anedea_114, Bmoc_116, Riptide_113, Mugiwara_124
• Track 2 : Mildred21_118
• Track 3 : PumpkinSpice_121
• Track 4 : Birchlyn_118, Amabiko_121, Rikishi_124, Spelly_121, Quaran19_120, Wipeout_116, Karimac_120, Gibbi_126, Bordeaux_119, Starbow_119, Jollison_120, CeilingFan_125, Battuta_119, SaltySpitoon_120, TomSawyer_121
• Track 5 : KentuckyRacer_122, IchabodCrane_116, MindFlayer_117
• Track 6 : Spilled_122, JimJam_122
• Track 7 : Enygma_119
• Track 8 : Elmer_120, Wofford_116
• Track 9 : LukeCage_118
• Track 10 : 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 21 of the 26 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amabiko_121, Anedea_114, Battuta_119, Birchlyn_118, Bmoc_116, Bordeaux_119, CeilingFan_125, Elmer_120, Enygma_119, Gibbi_126, Jollison_120, Karimac_120, LukeCage_118, Mildred21_118, Mugiwara_124, PumpkinSpice_121, Quaran19_120, Rikishi_124, Riptide_113, 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, Spilled_122,

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

Summary by start number:

Start 1:
• Found in 20 of 31 (64.5%) of genes in pham
• Manual Annotations of this start: 3 of 26
• Called 15.0% of time when present
• Phage (with cluster) where this start called: IchabodCrane_116 (BE2), KentuckyRacer_122 (BE2), MindFlayer_117 (BE2),

Start 2:
• Found in 20 of 31 (64.5%) of genes in pham
• Manual Annotations of this start: 2 of 26
• Called 10.0% of time when present
• Phage (with cluster) where this start called: JimJam_122 (BE2), Spilled_122 (BE2),

Start 5:
• Found in 31 of 31 (100.0%) of genes in pham
• Manual Annotations of this start: 21 of 26
• Called 83.9% of time when present
• Phage (with cluster) where this start called: Amabiko_121 (BE2), Anedea_114 (BE1), Battuta_119 (BE2), Birchlyn_118 (BE2), Bmoc_116 (BE1), Bordeaux_119 (BE2), CeilingFan_125 (BE2), Elmer_120 (BE2), Enygma_119 (BE2), Gibbi_126 (BE2), Jollison_120 (BE2), Karimac_120 (BE2), LukeCage_118 (BE2), Mildred21_118 (BE1), Mugiwara_124 (BE2), PumpkinSpice_121 (BE2), Quaran19_120 (BE2), Rikishi_124 (BE2), Riptide_113 (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 3 times for cluster BE1.

Info for manual annotations of cluster BE2:
•Start number 1 was manually annotated 3 times for cluster BE2.
•Start number 2 was manually annotated 2 times for cluster BE2.
•Start number 5 was manually annotated 18 times for cluster BE2.

Gene Information:

Gene: Amabiko_121 Start: 77937, Stop: 78092, Start Num: 5
Candidate Starts for Amabiko_121:
(Start: 1 @77835 has 3 MA's), (Start: 2 @77892 has 2 MA's), (Start: 5 @77937 has 21 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 21 MA's),

Gene: Battuta_119 Start: 77911, Stop: 78066, Start Num: 5
Candidate Starts for Battuta_119:

(Start: 1 @77809 has 3 MA's), (Start: 2 @77866 has 2 MA's), (Start: 5 @77911 has 21 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 3 MA's), (Start: 2 @75752 has 2 MA's), (Start: 5 @75797 has 21 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 21 MA's),

Gene: Bordeaux_119 Start: 78066, Stop: 78221, Start Num: 5
Candidate Starts for Bordeaux_119:
(Start: 1 @77964 has 3 MA's), (Start: 2 @78021 has 2 MA's), (Start: 5 @78066 has 21 MA's), (7, 78111), (9, 78195),

Gene: CeilingFan_125 Start: 77829, Stop: 77984, Start Num: 5
Candidate Starts for CeilingFan_125:
(Start: 1 @77727 has 3 MA's), (Start: 2 @77784 has 2 MA's), (Start: 5 @77829 has 21 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 21 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 21 MA's),

Gene: Gibbi_126 Start: 78049, Stop: 78204, Start Num: 5
Candidate Starts for Gibbi_126:
(Start: 1 @77947 has 3 MA's), (Start: 2 @78004 has 2 MA's), (Start: 5 @78049 has 21 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 3 MA's), (Start: 2 @77593 has 2 MA's), (Start: 5 @77638 has 21 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 3 MA's), (Start: 2 @78415 has 2 MA's), (Start: 5 @78460 has 21 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 3 MA's), (Start: 2 @77849 has 2 MA's), (Start: 5 @77894 has 21 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 3 MA's), (Start: 2 @78130 has 2 MA's), (Start: 5 @78175 has 21 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 3 MA's), (Start: 2 @78279 has 2 MA's), (Start: 5 @78324 has 21 MA's), (7, 78369), (9, 78453),

Gene: LukeCage_118 Start: 77847, Stop: 77999, Start Num: 5
Candidate Starts for LukeCage_118:
(Start: 5 @77847 has 21 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 21 MA's), (6, 77410),

Gene: MindFlayer_117 Start: 77443, Stop: 77700, Start Num: 1
Candidate Starts for MindFlayer_117:
(Start: 1 @77443 has 3 MA's), (Start: 2 @77500 has 2 MA's), (Start: 5 @77545 has 21 MA's), (7, 77590), (9, 77674),

Gene: Mugiwara_124 Start: 78535, Stop: 78690, Start Num: 5
Candidate Starts for Mugiwara_124:
(Start: 5 @78535 has 21 MA's),

Gene: PumpkinSpice_121 Start: 78501, Stop: 78656, Start Num: 5
Candidate Starts for PumpkinSpice_121:
(Start: 5 @78501 has 21 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 3 MA's), (Start: 2 @77883 has 2 MA's), (Start: 5 @77928 has 21 MA's), (7, 77973), (9, 78057),

Gene: Rikishi_124 Start: 77843, Stop: 77998, Start Num: 5
Candidate Starts for Rikishi_124:
(Start: 1 @77741 has 3 MA's), (Start: 2 @77798 has 2 MA's), (Start: 5 @77843 has 21 MA's), (7, 77888), (9, 77972),

Gene: Riptide_113 Start: 75931, Stop: 76086, Start Num: 5
Candidate Starts for Riptide_113:
(Start: 5 @75931 has 21 MA's),

Gene: SaltySpitoon_120 Start: 77940, Stop: 78095, Start Num: 5
Candidate Starts for SaltySpitoon_120:
(Start: 1 @77838 has 3 MA's), (Start: 2 @77895 has 2 MA's), (Start: 5 @77940 has 21 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 3 MA's), (Start: 2 @77847 has 2 MA's), (Start: 5 @77892 has 21 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 3 MA's), (Start: 2 @77964 has 2 MA's), (Start: 5 @78009 has 21 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 21 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 3 MA's), (Start: 2 @77868 has 2 MA's), (Start: 5 @77913 has 21 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 3 MA's), (Start: 2 @77913 has 2 MA's), (Start: 5 @77958 has 21 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 3 MA's), (Start: 2 @78237 has 2 MA's), (Start: 5 @78282 has 21 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 21 MA's), (7, 79149), (9, 79233),