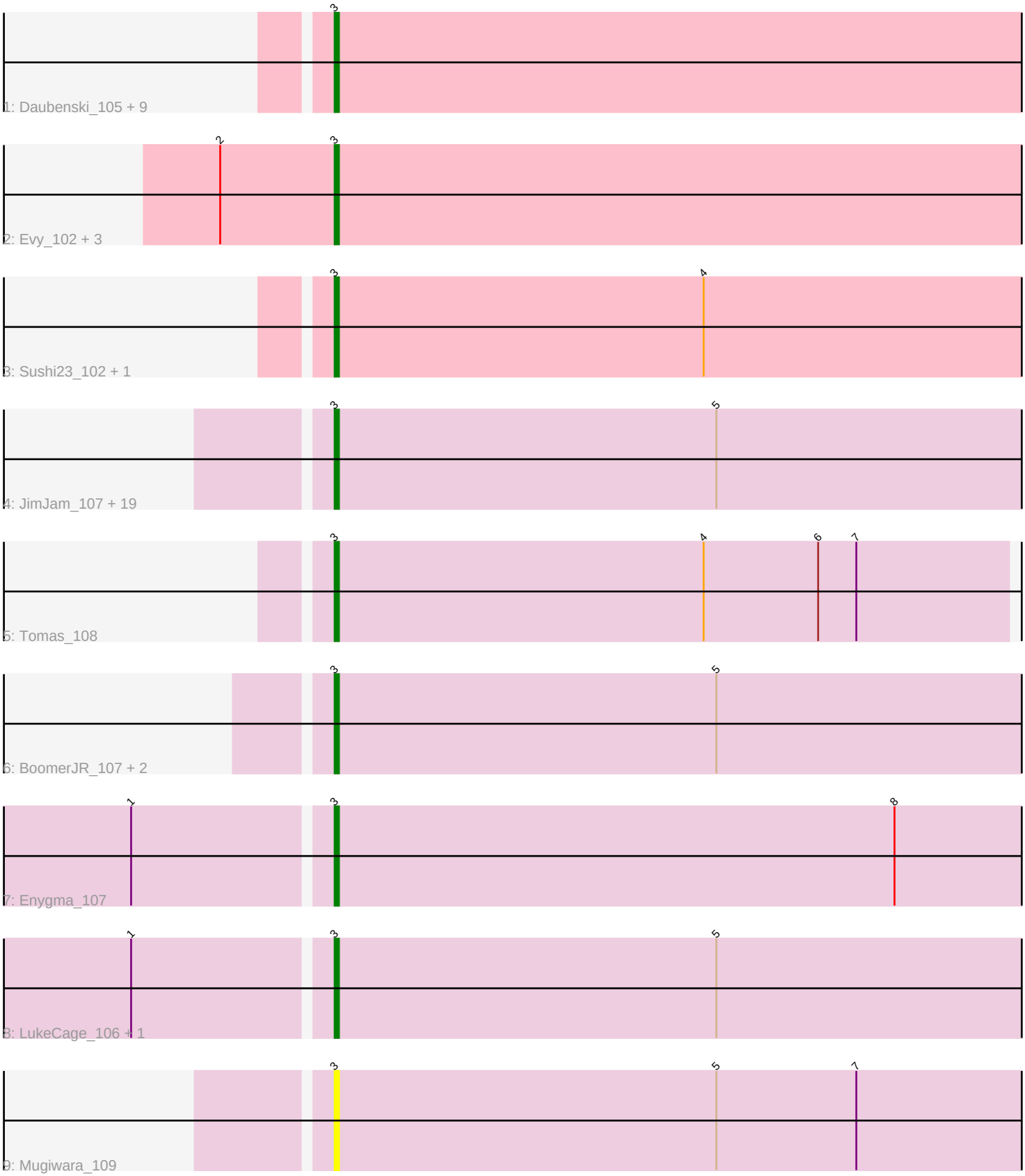
Pham 86064


3
1: Daubenski_105 + 9
2
3
2: Evy_102 + 3
3
4
3: Sushi23_102 + 1
3
5
4: JimJam_107 + 19
3
4
6
7
5: Tomas_108
3
5
6: BoomerJR_107 + 2
1
3
8
7: Enygma_107
1
3
5
8: LukeCage_106 + 1
3
5
7
9: Mugiwara_109

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 86064 Report

This analysis was run 04/28/24 on database version 559.

Pham number 86064 has 44 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Daubenski_105, Braelyn_105, Navo_104, Liandry_103, PinkiePie_103, Persimmon_103, NootNoot_100, Squillium_104, WhereRU_103, Bartholomune_103
• Track 2 : Evy_102, Warpy_106, Jay2Jay_107, Targaryen_103
• Track 3 : Sushi23_102, Samisti12_103
• Track 4 : JimJam_107, PumpkinSpice_106, CeilingFan_109, Jollison_111, Wipeout_104, SaltySpitoon_106, MindFlayer_104, Amabiko_107, TomSawyer_105, Battuta_105, Bordeaux_105, Starbow_105, KentuckyRacer_111, IchabodCrane_104, Gibbi_111, Spelly_107, Birchlyn_104, Quaran19_106, Karimac_106, Spilled_108
• Track 5 : Tomas_108
• Track 6 : BoomerJR_107, Genie2_107, Yaboi_107
• Track 7 : Enygma_107
• Track 8 : LukeCage_106, StarPlatinum_108
• Track 9 : Mugiwara_109

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

The start number called the most often in the published annotations is 3, it was called in 37 of the 37 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amabiko_107, Bartholomune_103, Battuta_105, Birchlyn_104, BoomerJR_107, Bordeaux_105, Braelyn_105, CeilingFan_109, Daubenski_105, Enygma_107, Evy_102, Genie2_107, Gibbi_111, IchabodCrane_104, Jay2Jay_107, JimJam_107, Jollison_111, Karimac_106, KentuckyRacer_111, Liandry_103, LukeCage_106, MindFlayer_104, Mugiwara_109, Navo_104, NootNoot_100, Persimmon_103, PinkiePie_103, PumpkinSpice_106, Quaran19_106, SaltySpitoon_106, Samisti12_103, Spelly_107, Spilled_108, Squillium_104, StarPlatinum_108, Starbow_105, Sushi23_102, Targaryen_103, TomSawyer_105, Tomas_108, Warpy_106, WhereRU_103, Wipeout_104, Yaboi_107,

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 3:
• Found in 44 of 44 (100.0%) of genes in pham
• Manual Annotations of this start: 37 of 37
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amabiko_107 (BE2), Bartholomune_103 (BE1), Battuta_105 (BE2), Birchlyn_104 (BE2), BoomerJR_107 (BE2), Bordeaux_105 (BE2), Braelyn_105 (BE1), CeilingFan_109 (BE2), Daubenski_105 (BE1), Enygma_107 (BE2), Evy_102 (BE1), Genie2_107 (BE2), Gibbi_111 (BE2), IchabodCrane_104 (BE2), Jay2Jay_107 (BE1), JimJam_107 (BE2), Jollison_111 (BE2), Karimac_106 (BE2), KentuckyRacer_111 (BE2), Liandry_103 (BE1), LukeCage_106 (BE2), MindFlayer_104 (BE2), Mugiwara_109 (BE2), Navo_104 (BE1), NootNoot_100 (BE1), Persimmon_103 (BE1), PinkiePie_103 (BE1), PumpkinSpice_106 (BE2), Quaran19_106 (BE2), SaltySpitoon_106 (BE2), Samisti12_103 (BE1), Spelly_107 (BE2), Spilled_108 (BE2), Squillium_104 (BE1), StarPlatinum_108 (BE2), Starbow_105 (BE2), Sushi23_102 (BE1), Targaryen_103 (BE1), TomSawyer_105 (BE2), Tomas_108 (BE2), Warpy_106 (BE1), WhereRU_103 (BE1), Wipeout_104 (BE2), Yaboi_107 (BE2),

Summary by clusters:

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

Info for manual annotations of cluster BE1:
•Start number 3 was manually annotated 14 times for cluster BE1.

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

Gene Information:

Gene: Amabiko_107 Start: 73316, Stop: 73483, Start Num: 3
Candidate Starts for Amabiko_107:
(Start: 3 @73316 has 37 MA's), (5, 73406),

Gene: Bartholomune_103 Start: 72866, Stop: 73027, Start Num: 3
Candidate Starts for Bartholomune_103:
(Start: 3 @72866 has 37 MA's),

Gene: Battuta_105 Start: 73290, Stop: 73457, Start Num: 3
Candidate Starts for Battuta_105:
(Start: 3 @73290 has 37 MA's), (5, 73380),

Gene: Birchlyn_104 Start: 71176, Stop: 71343, Start Num: 3
Candidate Starts for Birchlyn_104:
(Start: 3 @71176 has 37 MA's), (5, 71266),

Gene: BoomerJR_107 Start: 73264, Stop: 73425, Start Num: 3

Candidate Starts for BoomerJR_107:
(Start: 3 @73264 has 37 MA's), (5, 73354),

Gene: Bordeaux_105 Start: 73445, Stop: 73612, Start Num: 3
Candidate Starts for Bordeaux_105:
(Start: 3 @73445 has 37 MA's), (5, 73535),

Gene: Braelyn_105 Start: 73755, Stop: 73916, Start Num: 3
Candidate Starts for Braelyn_105:
(Start: 3 @73755 has 37 MA's),

Gene: CeilingFan_109 Start: 73208, Stop: 73375, Start Num: 3
Candidate Starts for CeilingFan_109:
(Start: 3 @73208 has 37 MA's), (5, 73298),

Gene: Daubenski_105 Start: 72885, Stop: 73046, Start Num: 3
Candidate Starts for Daubenski_105:
(Start: 3 @72885 has 37 MA's),

Gene: Enygma_107 Start: 75102, Stop: 75269, Start Num: 3
Candidate Starts for Enygma_107:
(1, 75057), (Start: 3 @75102 has 37 MA's), (8, 75234),

Gene: Evy_102 Start: 73237, Stop: 73398, Start Num: 3
Candidate Starts for Evy_102:
(2, 73210), (Start: 3 @73237 has 37 MA's),

Gene: Genie2_107 Start: 73378, Stop: 73539, Start Num: 3
Candidate Starts for Genie2_107:
(Start: 3 @73378 has 37 MA's), (5, 73468),

Gene: Gibbi_111 Start: 73428, Stop: 73595, Start Num: 3
Candidate Starts for Gibbi_111:
(Start: 3 @73428 has 37 MA's), (5, 73518),

Gene: IchabodCrane_104 Start: 73017, Stop: 73184, Start Num: 3
Candidate Starts for IchabodCrane_104:
(Start: 3 @73017 has 37 MA's), (5, 73107),

Gene: Jay2Jay_107 Start: 74090, Stop: 74251, Start Num: 3
Candidate Starts for Jay2Jay_107:
(2, 74063), (Start: 3 @74090 has 37 MA's),

Gene: JimJam_107 Start: 73394, Stop: 73561, Start Num: 3
Candidate Starts for JimJam_107:
(Start: 3 @73394 has 37 MA's), (5, 73484),

Gene: Jollison_111 Start: 73273, Stop: 73440, Start Num: 3
Candidate Starts for Jollison_111:
(Start: 3 @73273 has 37 MA's), (5, 73363),

Gene: Karimac_106 Start: 73552, Stop: 73719, Start Num: 3
Candidate Starts for Karimac_106:

(Start: 3 @73552 has 37 MA's), (5, 73642),

Gene: KentuckyRacer_111 Start: 73209, Stop: 73376, Start Num: 3
Candidate Starts for KentuckyRacer_111:
(Start: 3 @73209 has 37 MA's), (5, 73299),

Gene: Liandry_103 Start: 73615, Stop: 73776, Start Num: 3
Candidate Starts for Liandry_103:
(Start: 3 @73615 has 37 MA's),

Gene: LukeCage_106 Start: 73304, Stop: 73471, Start Num: 3
Candidate Starts for LukeCage_106:
(1, 73259), (Start: 3 @73304 has 37 MA's), (5, 73394),

Gene: MindFlayer_104 Start: 72924, Stop: 73091, Start Num: 3
Candidate Starts for MindFlayer_104:
(Start: 3 @72924 has 37 MA's), (5, 73014),

Gene: Mugiwara_109 Start: 73808, Stop: 73975, Start Num: 3
Candidate Starts for Mugiwara_109:
(Start: 3 @73808 has 37 MA's), (5, 73898), (7, 73931),

Gene: Navo_104 Start: 73417, Stop: 73578, Start Num: 3
Candidate Starts for Navo_104:
(Start: 3 @73417 has 37 MA's),

Gene: NootNoot_100 Start: 72529, Stop: 72690, Start Num: 3
Candidate Starts for NootNoot_100:
(Start: 3 @72529 has 37 MA's),

Gene: Persimmon_103 Start: 72463, Stop: 72624, Start Num: 3
Candidate Starts for Persimmon_103:
(Start: 3 @72463 has 37 MA's),

Gene: PinkiePie_103 Start: 73615, Stop: 73776, Start Num: 3
Candidate Starts for PinkiePie_103:
(Start: 3 @73615 has 37 MA's),

Gene: PumpkinSpice_106 Start: 73316, Stop: 73483, Start Num: 3
Candidate Starts for PumpkinSpice_106:
(Start: 3 @73316 has 37 MA's), (5, 73406),

Gene: Quaran19_106 Start: 73307, Stop: 73474, Start Num: 3
Candidate Starts for Quaran19_106:
(Start: 3 @73307 has 37 MA's), (5, 73397),

Gene: SaltySpitoon_106 Start: 73319, Stop: 73486, Start Num: 3
Candidate Starts for SaltySpitoon_106:
(Start: 3 @73319 has 37 MA's), (5, 73409),

Gene: Samisti12_103 Start: 74447, Stop: 74608, Start Num: 3
Candidate Starts for Samisti12_103:
(Start: 3 @74447 has 37 MA's), (4, 74534),

Gene: Spelly_107 Start: 73271, Stop: 73438, Start Num: 3
Candidate Starts for Spelly_107:
(Start: 3 @73271 has 37 MA's), (5, 73361),

Gene: Spilled_108 Start: 73388, Stop: 73555, Start Num: 3
Candidate Starts for Spilled_108:
(Start: 3 @73388 has 37 MA's), (5, 73478),

Gene: Squillium_104 Start: 73616, Stop: 73777, Start Num: 3
Candidate Starts for Squillium_104:
(Start: 3 @73616 has 37 MA's),

Gene: StarPlatinum_108 Start: 74182, Stop: 74349, Start Num: 3
Candidate Starts for StarPlatinum_108:
(1, 74137), (Start: 3 @74182 has 37 MA's), (5, 74272),

Gene: Starbow_105 Start: 73292, Stop: 73459, Start Num: 3
Candidate Starts for Starbow_105:
(Start: 3 @73292 has 37 MA's), (5, 73382),

Gene: Sushi23_102 Start: 73427, Stop: 73588, Start Num: 3
Candidate Starts for Sushi23_102:
(Start: 3 @73427 has 37 MA's), (4, 73514),

Gene: Targaryen_103 Start: 74139, Stop: 74300, Start Num: 3
Candidate Starts for Targaryen_103:
(2, 74112), (Start: 3 @74139 has 37 MA's),

Gene: TomSawyer_105 Start: 72910, Stop: 73077, Start Num: 3
Candidate Starts for TomSawyer_105:
(Start: 3 @72910 has 37 MA's), (5, 73000),

Gene: Tomas_108 Start: 75395, Stop: 75553, Start Num: 3
Candidate Starts for Tomas_108:
(Start: 3 @75395 has 37 MA's), (4, 75482), (6, 75509), (7, 75518),

Gene: Warpy_106 Start: 73603, Stop: 73764, Start Num: 3
Candidate Starts for Warpy_106:
(2, 73576), (Start: 3 @73603 has 37 MA's),

Gene: WhereRU_103 Start: 72809, Stop: 72970, Start Num: 3
Candidate Starts for WhereRU_103:
(Start: 3 @72809 has 37 MA's),

Gene: Wipeout_104 Start: 73661, Stop: 73828, Start Num: 3
Candidate Starts for Wipeout_104:
(Start: 3 @73661 has 37 MA's), (5, 73751),

Gene: Yaboi_107 Start: 73355, Stop: 73516, Start Num: 3
Candidate Starts for Yaboi_107:
(Start: 3 @73355 has 37 MA's), (5, 73445),