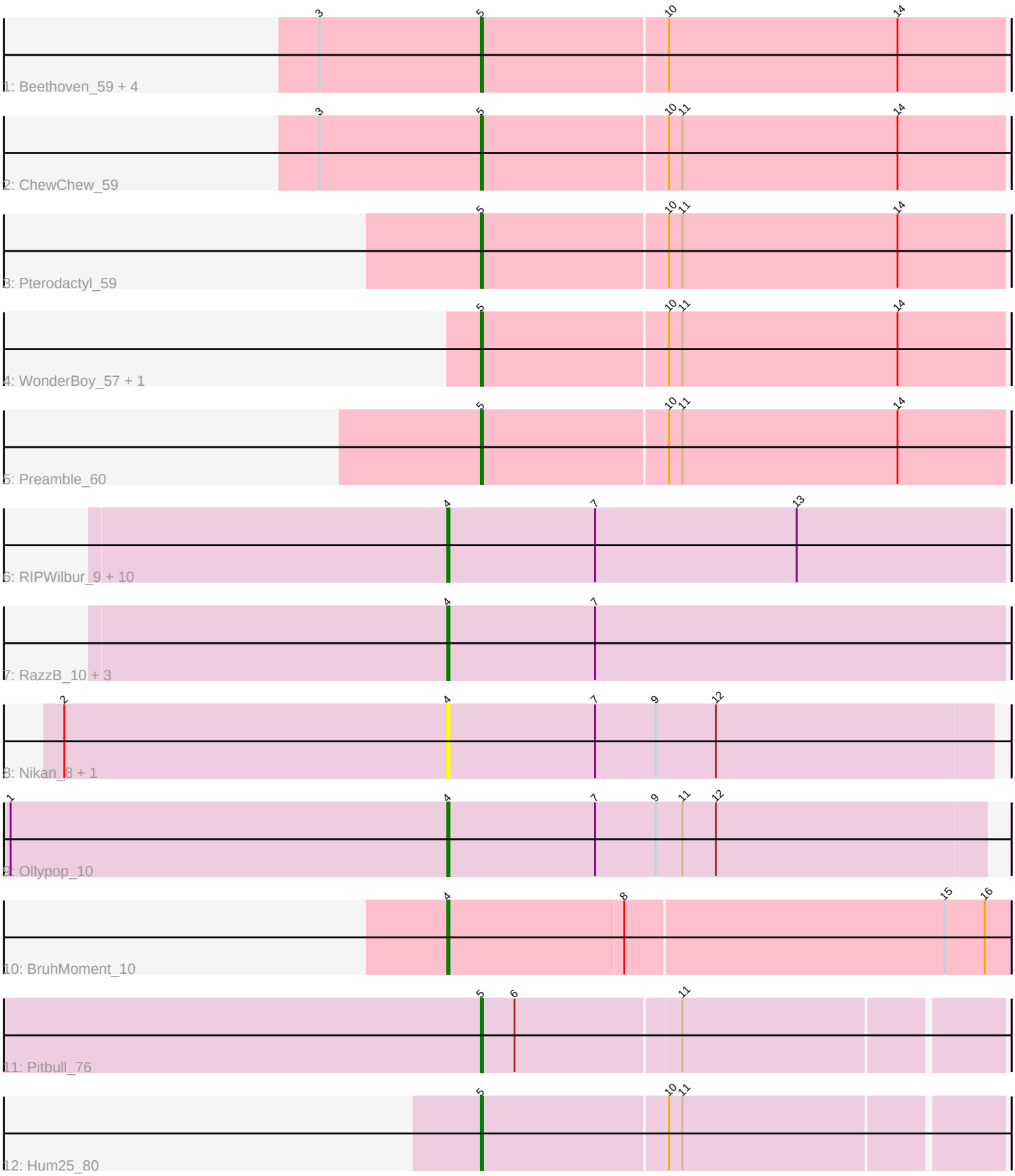
Pham 309026


3
5
10
14
1: Beethoven_59 + 4
3
5
10
11
14
2: ChewChew_59
5
10
11
14
3: Pterodactyl_59
5
10
11
14
4: WonderBoy_57 + 1
5
10
11
14
5: Preamble_60
4
7
13
6: RIPWilbur_9 + 10
4
7
7: RazzB_10 + 3
2
4
7
9
12
8: Nikan_8 + 1
1
4
7
9
11
12
9: Ollypop_10
4
8
15
16
10: BruhMoment_10
5
6
11
11: Pitbull_76
5
10
11
12: Hum25_80

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 309026 Report

This analysis was run 06/27/26 on database version 652.

Pham number 309026 has 31 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Beethoven_59, HeadNerd_58, Bennie_59, Moki_58, Huckleberry_58
• Track 2 : ChewChew_59
• Track 3 : Pterodactyl_59
• Track 4 : WonderBoy_57, Makoto_58
• Track 5 : Preamble_60
• Track 6 : RIPWilbur_9, Pureglobe5_13, Beagle_13, Pointis_11, Popstraw_11, Hive_10, Odyssey395_13, Kubulix_12, BetaFish_11, DogYard_11, PhuzzTulsa_9
• Track 7 : RazzB_10, Forrestell_11, NyleyClemson_10, MellowYellow_11
• Track 8 : Nikan_8, Ren19_7
• Track 9 : Ollypop_10
• Track 10 : BruhMoment_10
• Track 11 : Pitbull_76
• Track 12 : Hum25_80

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

The start number called the most often in the published annotations is 4, it was called in 13 of the 25 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beagle_13, BetaFish_11, BruhMoment_10, DogYard_11, Forrestell_11, Hive_10, Kubulix_12, MellowYellow_11, Nikan_8, NyleyClemson_10, Odyssey395_13, Ollypop_10, PhuzzTulsa_9, Pointis_11, Popstraw_11, Pureglobe5_13, RIPWilbur_9, RazzB_10, Ren19_7,

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

Genes that do not have the "Most Annotated" start:
• Beethoven_59, Bennie_59, ChewChew_59, HeadNerd_58, Huckleberry_58, Hum25_80, Makoto_58, Moki_58, Pitbull_76, Preamble_60, Pterodactyl_59, WonderBoy_57,

Summary by start number:

Start 4:
• Found in 19 of 31 (61.3%) of genes in pham
• Manual Annotations of this start: 13 of 25
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beagle_13 (AP2), BetaFish_11 (AP2), BruhMoment_10 (AP3), DogYard_11 (AP2), Forrestell_11 (AP2), Hive_10 (AP2), Kubulix_12 (AP2), MellowYellow_11 (AP2), Nikan_8 (AP2), NyleyClemson_10 (AP2), Odyssey395_13 (AP2), Ollypop_10 (AP2), PhuzzTulsa_9 (AP2), Pointis_11 (AP2), Popstraw_11 (AP2), Pureglobe5_13 (AP2), RIPWilbur_9 (AP2), RazzB_10 (AP2), Ren19_7 (AP2),

Start 5:
• Found in 12 of 31 (38.7%) of genes in pham
• Manual Annotations of this start: 12 of 25
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beethoven_59 (AK), Bennie_59 (AK), ChewChew_59 (AK), HeadNerd_58 (AK), Huckleberry_58 (AK), Hum25_80 (FQ1), Makoto_58 (AK), Moki_58 (AK), Pitbull_76 (FQ1), Preamble_60 (AK), Pterodactyl_59 (AK), WonderBoy_57 (AK),

Summary by clusters:

There are 4 clusters represented in this pham: AP2, AP3, AK, FQ1,

Info for manual annotations of cluster AK:
•Start number 5 was manually annotated 10 times for cluster AK.

Info for manual annotations of cluster AP2:
•Start number 4 was manually annotated 12 times for cluster AP2.

Info for manual annotations of cluster AP3:
•Start number 4 was manually annotated 1 time for cluster AP3.

Info for manual annotations of cluster FQ1:
•Start number 5 was manually annotated 2 times for cluster FQ1.

Gene Information:

Gene: Beagle_13 Start: 4272, Stop: 4520, Start Num: 4
Candidate Starts for Beagle_13:
(Start: 4 @4272 has 13 MA's), (7, 4338), (13, 4428),

Gene: Beethoven_59 Start: 42791, Stop: 43021, Start Num: 5
Candidate Starts for Beethoven_59:
(3, 42719), (Start: 5 @42791 has 12 MA's), (10, 42872), (14, 42974),

Gene: Bennie_59 Start: 41931, Stop: 42161, Start Num: 5
Candidate Starts for Bennie_59:
(3, 41859), (Start: 5 @41931 has 12 MA's), (10, 42012), (14, 42114),

Gene: BetaFish_11 Start: 4278, Stop: 4526, Start Num: 4
Candidate Starts for BetaFish_11:
(Start: 4 @4278 has 13 MA's), (7, 4344), (13, 4434),

Gene: BruhMoment_10 Start: 4231, Stop: 4479, Start Num: 4
Candidate Starts for BruhMoment_10:
(Start: 4 @4231 has 13 MA's), (8, 4309), (15, 4450), (16, 4468),

Gene: ChewChew_59 Start: 42489, Stop: 42719, Start Num: 5
Candidate Starts for ChewChew_59:
(3, 42417), (Start: 5 @42489 has 12 MA's), (10, 42570), (11, 42576), (14, 42672),

Gene: DogYard_11 Start: 4148, Stop: 4396, Start Num: 4
Candidate Starts for DogYard_11:
(Start: 4 @4148 has 13 MA's), (7, 4214), (13, 4304),

Gene: Forrestell_11 Start: 3852, Stop: 4100, Start Num: 4
Candidate Starts for Forrestell_11:
(Start: 4 @3852 has 13 MA's), (7, 3918),

Gene: HeadNerd_58 Start: 41825, Stop: 42055, Start Num: 5
Candidate Starts for HeadNerd_58:
(3, 41753), (Start: 5 @41825 has 12 MA's), (10, 41906), (14, 42008),

Gene: Hive_10 Start: 4162, Stop: 4410, Start Num: 4
Candidate Starts for Hive_10:
(Start: 4 @4162 has 13 MA's), (7, 4228), (13, 4318),

Gene: Huckleberry_58 Start: 41829, Stop: 42059, Start Num: 5
Candidate Starts for Huckleberry_58:
(3, 41757), (Start: 5 @41829 has 12 MA's), (10, 41910), (14, 42012),

Gene: Hum25_80 Start: 40795, Stop: 41019, Start Num: 5
Candidate Starts for Hum25_80:
(Start: 5 @40795 has 12 MA's), (10, 40876), (11, 40882),

Gene: Kubulix_12 Start: 4277, Stop: 4525, Start Num: 4
Candidate Starts for Kubulix_12:
(Start: 4 @4277 has 13 MA's), (7, 4343), (13, 4433),

Gene: Makoto_58 Start: 41957, Stop: 42187, Start Num: 5
Candidate Starts for Makoto_58:
(Start: 5 @41957 has 12 MA's), (10, 42038), (11, 42044), (14, 42140),

Gene: MellowYellow_11 Start: 3882, Stop: 4130, Start Num: 4
Candidate Starts for MellowYellow_11:
(Start: 4 @3882 has 13 MA's), (7, 3948),

Gene: Moki_58 Start: 42018, Stop: 42248, Start Num: 5
Candidate Starts for Moki_58:
(3, 41946), (Start: 5 @42018 has 12 MA's), (10, 42099), (14, 42201),

Gene: Nikan_8 Start: 3854, Stop: 4096, Start Num: 4

Candidate Starts for Nikan_8:
(2, 3683), (Start: 4 @3854 has 13 MA's), (7, 3920), (9, 3947), (12, 3974),

Gene: NyleyClemson_10 Start: 3824, Stop: 4072, Start Num: 4
Candidate Starts for NyleyClemson_10:
(Start: 4 @3824 has 13 MA's), (7, 3890),

Gene: Odyssey395_13 Start: 4276, Stop: 4524, Start Num: 4
Candidate Starts for Odyssey395_13:
(Start: 4 @4276 has 13 MA's), (7, 4342), (13, 4432),

Gene: Ollypop_10 Start: 3932, Stop: 4171, Start Num: 4
Candidate Starts for Ollypop_10:
(1, 3737), (Start: 4 @3932 has 13 MA's), (7, 3998), (9, 4025), (11, 4037), (12, 4052),

Gene: PhuzzTulsa_9 Start: 4066, Stop: 4314, Start Num: 4
Candidate Starts for PhuzzTulsa_9:
(Start: 4 @4066 has 13 MA's), (7, 4132), (13, 4222),

Gene: Pitbull_76 Start: 40224, Stop: 40448, Start Num: 5
Candidate Starts for Pitbull_76:
(Start: 5 @40224 has 12 MA's), (6, 40239), (11, 40311),

Gene: Pointis_11 Start: 4277, Stop: 4525, Start Num: 4
Candidate Starts for Pointis_11:
(Start: 4 @4277 has 13 MA's), (7, 4343), (13, 4433),

Gene: Popstraw_11 Start: 4260, Stop: 4508, Start Num: 4
Candidate Starts for Popstraw_11:
(Start: 4 @4260 has 13 MA's), (7, 4326), (13, 4416),

Gene: Preamble_60 Start: 42253, Stop: 42483, Start Num: 5
Candidate Starts for Preamble_60:
(Start: 5 @42253 has 12 MA's), (10, 42334), (11, 42340), (14, 42436),

Gene: Pterodactyl_59 Start: 42324, Stop: 42554, Start Num: 5
Candidate Starts for Pterodactyl_59:
(Start: 5 @42324 has 12 MA's), (10, 42405), (11, 42411), (14, 42507),

Gene: Pureglobe5_13 Start: 4290, Stop: 4538, Start Num: 4
Candidate Starts for Pureglobe5_13:
(Start: 4 @4290 has 13 MA's), (7, 4356), (13, 4446),

Gene: RIPWilbur_9 Start: 3684, Stop: 3932, Start Num: 4
Candidate Starts for RIPWilbur_9:
(Start: 4 @3684 has 13 MA's), (7, 3750), (13, 3840),

Gene: RazzB_10 Start: 3652, Stop: 3900, Start Num: 4
Candidate Starts for RazzB_10:
(Start: 4 @3652 has 13 MA's), (7, 3718),

Gene: Ren19_7 Start: 3854, Stop: 4096, Start Num: 4
Candidate Starts for Ren19_7:

(2, 3683), (Start: 4 @3854 has 13 MA's), (7, 3920), (9, 3947), (12, 3974),

Gene: WonderBoy_57 Start: 41785, Stop: 42015, Start Num: 5
Candidate Starts for WonderBoy_57:
(Start: 5 @41785 has 12 MA's), (10, 41866), (11, 41872), (14, 41968),