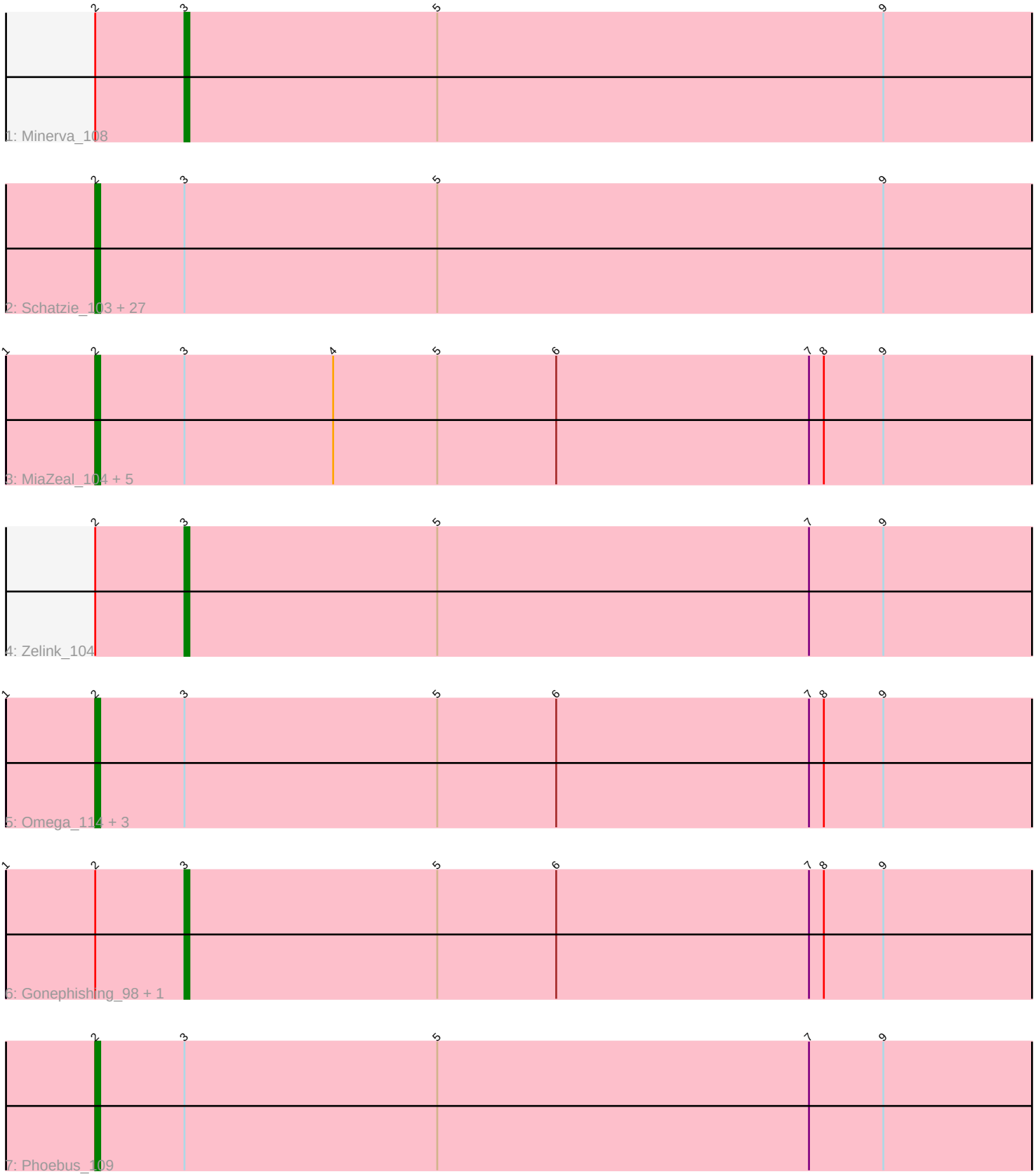
Pham 2206


2
3
5
9
1: Minerva_108
2
3
5
9
2: Schatzie_103 + 27
1
2
3
4
5
6
7
8
9
3: MiaZeal_104 + 5
2
3
5
7
9
4: Zelink_104
1
2
3
5
6
7
8
9
5: Omega_114 + 3
1
2
3
5
6
7
8
9
6: Gonephishing_98 + 1
2
3
5
7
9
7: Phoebus_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 2206 Report

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

Pham number 2206 has 43 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Minerva_108
• Track 2 : Schatzie_103, Bobby_105, Klein_108, Dove_98, Bombitas_97, Bagrid_109, Hughesyang_107, Ejimix_102, Odette_110, NihilNomen_110, Halley_110, HokkenD_98, Constella_94, Beem_110, JuicyJay_105, Kalah2_101, Pound_100, Yeet_100, EricMillard_101, ThreeRngTarjay_105, Optimus_102, BAKA_109, DmpstrDiver_109, Duke13_104, Wanda_111, Dallas_109, Thibault_92, Redno2_100
• Track 3 : MiaZeal_104, Courthouse_99, Superphikiman_101, Lucky2013_101, Ariel_104, Squint_102
• Track 4 : Zelink_104
• Track 5 : Omega_114, Porcelain_102, LittleE_108, KashFlow_101
• Track 6 : Gonephishing_98, Hannaconda_96
• Track 7 : Phoebus_109

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

The start number called the most often in the published annotations is 2, it was called in 36 of the 39 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ariel_104, BAKA_109, Bagrid_109, Beem_110, Bobby_105, Bombitas_97, Constella_94, Courthouse_99, Dallas_109, DmpstrDiver_109, Dove_98, Duke13_104, Ejimix_102, EricMillard_101, Halley_110, HokkenD_98, Hughesyang_107, JuicyJay_105, Kalah2_101, KashFlow_101, Klein_108, LittleE_108, Lucky2013_101, MiaZeal_104, NihilNomen_110, Odette_110, Omega_114, Optimus_102, Phoebus_109, Porcelain_102, Pound_100, Redno2_100, Schatzie_103, Squint_102, Superphikiman_101, Thibault_92, ThreeRngTarjay_105, Wanda_111, Yeet_100,

Genes that have the "Most Annotated" start but do not call it:
• Gonephishing_98, Hannaconda_96, Minerva_108, Zelink_104,

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

Summary by start number:

Start 2:
• Found in 43 of 43 (100.0%) of genes in pham
• Manual Annotations of this start: 36 of 39
• Called 90.7% of time when present
• Phage (with cluster) where this start called: Ariel_104 (J), BAKA_109 (J), Bagrid_109 (J), Beem_110 (J), Bobby_105 (J), Bombitas_97 (J), Constella_94 (J), Courthouse_99 (J), Dallas_109 (J), DmpstrDiver_109 (J), Dove_98 (J), Duke13_104 (J), Ejimix_102 (J), EricMillard_101 (J), Halley_110 (J), HokkenD_98 (J), Hughesyang_107 (J), JuicyJay_105 (J), Kalah2_101 (J), KashFlow_101 (J), Klein_108 (J), LittleE_108 (J), Lucky2013_101 (J), MiaZeal_104 (J), NihilNomen_110 (J), Odette_110 (J), Omega_114 (J), Optimus_102 (J), Phoebus_109 (J), Porcelain_102 (J), Pound_100 (J), Redno2_100 (J), Schatzie_103 (J), Squint_102 (J), Superphikiman_101 (J), Thibault_92 (J), ThreeRngTarjay_105 (J), Wanda_111 (J), Yeet_100 (J),

Start 3:
• Found in 43 of 43 (100.0%) of genes in pham
• Manual Annotations of this start: 3 of 39
• Called 9.3% of time when present
• Phage (with cluster) where this start called: Gonephishing_98 (J), Hannaconda_96 (J), Minerva_108 (J), Zelink_104 (J),

Summary by clusters:

There is one cluster represented in this pham: J

Info for manual annotations of cluster J:
•Start number 2 was manually annotated 36 times for cluster J.
•Start number 3 was manually annotated 3 times for cluster J.

Gene Information:

Gene: Ariel_104 Start: 57884, Stop: 58108, Start Num: 2
Candidate Starts for Ariel_104:
(1, 57866), (Start: 2 @57884 has 36 MA's), (Start: 3 @57902 has 3 MA's), (4, 57932), (5, 57953), (6, 57977), (7, 58028), (8, 58031), (9, 58043),

Gene: BAKA_109 Start: 63410, Stop: 63634, Start Num: 2
Candidate Starts for BAKA_109:
(Start: 2 @63410 has 36 MA's), (Start: 3 @63428 has 3 MA's), (5, 63479), (9, 63569),

Gene: Bagrid_109 Start: 62277, Stop: 62501, Start Num: 2
Candidate Starts for Bagrid_109:
(Start: 2 @62277 has 36 MA's), (Start: 3 @62295 has 3 MA's), (5, 62346), (9, 62436),

Gene: Beem_110 Start: 63472, Stop: 63696, Start Num: 2
Candidate Starts for Beem_110:
(Start: 2 @63472 has 36 MA's), (Start: 3 @63490 has 3 MA's), (5, 63541), (9, 63631),

Gene: Bobby_105 Start: 65337, Stop: 65561, Start Num: 2
Candidate Starts for Bobby_105:
(Start: 2 @65337 has 36 MA's), (Start: 3 @65355 has 3 MA's), (5, 65406), (9, 65496),

Gene: Bombitas_97 Start: 60635, Stop: 60859, Start Num: 2
Candidate Starts for Bombitas_97:
(Start: 2 @60635 has 36 MA's), (Start: 3 @60653 has 3 MA's), (5, 60704), (9, 60794),

Gene: Constella_94 Start: 57644, Stop: 57868, Start Num: 2
Candidate Starts for Constella_94:
(Start: 2 @57644 has 36 MA's), (Start: 3 @57662 has 3 MA's), (5, 57713), (9, 57803),

Gene: Courthouse_99 Start: 57484, Stop: 57708, Start Num: 2
Candidate Starts for Courthouse_99:
(1, 57466), (Start: 2 @57484 has 36 MA's), (Start: 3 @57502 has 3 MA's), (4, 57532), (5, 57553), (6, 57577), (7, 57628), (8, 57631), (9, 57643),

Gene: Dallas_109 Start: 63146, Stop: 63370, Start Num: 2
Candidate Starts for Dallas_109:
(Start: 2 @63146 has 36 MA's), (Start: 3 @63164 has 3 MA's), (5, 63215), (9, 63305),

Gene: DmpstrDiver_109 Start: 62566, Stop: 62790, Start Num: 2
Candidate Starts for DmpstrDiver_109:
(Start: 2 @62566 has 36 MA's), (Start: 3 @62584 has 3 MA's), (5, 62635), (9, 62725),

Gene: Dove_98 Start: 58901, Stop: 59125, Start Num: 2
Candidate Starts for Dove_98:
(Start: 2 @58901 has 36 MA's), (Start: 3 @58919 has 3 MA's), (5, 58970), (9, 59060),

Gene: Duke13_104 Start: 61078, Stop: 61302, Start Num: 2
Candidate Starts for Duke13_104:
(Start: 2 @61078 has 36 MA's), (Start: 3 @61096 has 3 MA's), (5, 61147), (9, 61237),

Gene: Ejimix_102 Start: 63199, Stop: 63423, Start Num: 2
Candidate Starts for Ejimix_102:
(Start: 2 @63199 has 36 MA's), (Start: 3 @63217 has 3 MA's), (5, 63268), (9, 63358),

Gene: EricMillard_101 Start: 62206, Stop: 62430, Start Num: 2
Candidate Starts for EricMillard_101:
(Start: 2 @62206 has 36 MA's), (Start: 3 @62224 has 3 MA's), (5, 62275), (9, 62365),

Gene: Gonephishing_98 Start: 57059, Stop: 57265, Start Num: 3
Candidate Starts for Gonephishing_98:
(1, 57023), (Start: 2 @57041 has 36 MA's), (Start: 3 @57059 has 3 MA's), (5, 57110), (6, 57134), (7, 57185), (8, 57188), (9, 57200),

Gene: Halley_110 Start: 63473, Stop: 63697, Start Num: 2
Candidate Starts for Halley_110:
(Start: 2 @63473 has 36 MA's), (Start: 3 @63491 has 3 MA's), (5, 63542), (9, 63632),

Gene: Hannaconda_96 Start: 56736, Stop: 56942, Start Num: 3
Candidate Starts for Hannaconda_96:

(1, 56700), (Start: 2 @56718 has 36 MA's), (Start: 3 @56736 has 3 MA's), (5, 56787), (6, 56811), (7, 56862), (8, 56865), (9, 56877),

Gene: HokkenD_98 Start: 61741, Stop: 61965, Start Num: 2
Candidate Starts for HokkenD_98:
(Start: 2 @61741 has 36 MA's), (Start: 3 @61759 has 3 MA's), (5, 61810), (9, 61900),

Gene: Hughesyang_107 Start: 63097, Stop: 63321, Start Num: 2
Candidate Starts for Hughesyang_107:
(Start: 2 @63097 has 36 MA's), (Start: 3 @63115 has 3 MA's), (5, 63166), (9, 63256),

Gene: JuicyJay_105 Start: 64607, Stop: 64831, Start Num: 2
Candidate Starts for JuicyJay_105:
(Start: 2 @64607 has 36 MA's), (Start: 3 @64625 has 3 MA's), (5, 64676), (9, 64766),

Gene: Kalah2_101 Start: 62432, Stop: 62656, Start Num: 2
Candidate Starts for Kalah2_101:
(Start: 2 @62432 has 36 MA's), (Start: 3 @62450 has 3 MA's), (5, 62501), (9, 62591),

Gene: KashFlow_101 Start: 58282, Stop: 58506, Start Num: 2
Candidate Starts for KashFlow_101:
(1, 58264), (Start: 2 @58282 has 36 MA's), (Start: 3 @58300 has 3 MA's), (5, 58351), (6, 58375), (7, 58426), (8, 58429), (9, 58441),

Gene: Klein_108 Start: 62139, Stop: 62363, Start Num: 2
Candidate Starts for Klein_108:
(Start: 2 @62139 has 36 MA's), (Start: 3 @62157 has 3 MA's), (5, 62208), (9, 62298),

Gene: LittleE_108 Start: 61578, Stop: 61802, Start Num: 2
Candidate Starts for LittleE_108:
(1, 61560), (Start: 2 @61578 has 36 MA's), (Start: 3 @61596 has 3 MA's), (5, 61647), (6, 61671), (7, 61722), (8, 61725), (9, 61737),

Gene: Lucky2013_101 Start: 57901, Stop: 58125, Start Num: 2
Candidate Starts for Lucky2013_101:
(1, 57883), (Start: 2 @57901 has 36 MA's), (Start: 3 @57919 has 3 MA's), (4, 57949), (5, 57970), (6, 57994), (7, 58045), (8, 58048), (9, 58060),

Gene: MiaZeal_104 Start: 58556, Stop: 58780, Start Num: 2
Candidate Starts for MiaZeal_104:
(1, 58538), (Start: 2 @58556 has 36 MA's), (Start: 3 @58574 has 3 MA's), (4, 58604), (5, 58625), (6, 58649), (7, 58700), (8, 58703), (9, 58715),

Gene: Minerva_108 Start: 63436, Stop: 63642, Start Num: 3
Candidate Starts for Minerva_108:
(Start: 2 @63418 has 36 MA's), (Start: 3 @63436 has 3 MA's), (5, 63487), (9, 63577),

Gene: NihilNomen_110 Start: 63559, Stop: 63783, Start Num: 2
Candidate Starts for NihilNomen_110:
(Start: 2 @63559 has 36 MA's), (Start: 3 @63577 has 3 MA's), (5, 63628), (9, 63718),

Gene: Odette_110 Start: 62602, Stop: 62826, Start Num: 2
Candidate Starts for Odette_110:

(Start: 2 @62602 has 36 MA's), (Start: 3 @62620 has 3 MA's), (5, 62671), (9, 62761),

Gene: Omega_114 Start: 63354, Stop: 63578, Start Num: 2
Candidate Starts for Omega_114:
(1, 63336), (Start: 2 @63354 has 36 MA's), (Start: 3 @63372 has 3 MA's), (5, 63423), (6, 63447), (7, 63498), (8, 63501), (9, 63513),

Gene: Optimus_102 Start: 62090, Stop: 62314, Start Num: 2
Candidate Starts for Optimus_102:
(Start: 2 @62090 has 36 MA's), (Start: 3 @62108 has 3 MA's), (5, 62159), (9, 62249),

Gene: Phoebus_109 Start: 64408, Stop: 64632, Start Num: 2
Candidate Starts for Phoebus_109:
(Start: 2 @64408 has 36 MA's), (Start: 3 @64426 has 3 MA's), (5, 64477), (7, 64552), (9, 64567),

Gene: Porcelain_102 Start: 58556, Stop: 58780, Start Num: 2
Candidate Starts for Porcelain_102:
(1, 58538), (Start: 2 @58556 has 36 MA's), (Start: 3 @58574 has 3 MA's), (5, 58625), (6, 58649), (7, 58700), (8, 58703), (9, 58715),

Gene: Pound_100 Start: 62436, Stop: 62660, Start Num: 2
Candidate Starts for Pound_100:
(Start: 2 @62436 has 36 MA's), (Start: 3 @62454 has 3 MA's), (5, 62505), (9, 62595),

Gene: Redno2_100 Start: 59293, Stop: 59517, Start Num: 2
Candidate Starts for Redno2_100:
(Start: 2 @59293 has 36 MA's), (Start: 3 @59311 has 3 MA's), (5, 59362), (9, 59452),

Gene: Schatzie_103 Start: 62349, Stop: 62573, Start Num: 2
Candidate Starts for Schatzie_103:
(Start: 2 @62349 has 36 MA's), (Start: 3 @62367 has 3 MA's), (5, 62418), (9, 62508),

Gene: Squint_102 Start: 58675, Stop: 58899, Start Num: 2
Candidate Starts for Squint_102:
(1, 58657), (Start: 2 @58675 has 36 MA's), (Start: 3 @58693 has 3 MA's), (4, 58723), (5, 58744), (6, 58768), (7, 58819), (8, 58822), (9, 58834),

Gene: Superphikiman_101 Start: 57766, Stop: 57990, Start Num: 2
Candidate Starts for Superphikiman_101:
(1, 57748), (Start: 2 @57766 has 36 MA's), (Start: 3 @57784 has 3 MA's), (4, 57814), (5, 57835), (6, 57859), (7, 57910), (8, 57913), (9, 57925),

Gene: Thibault_92 Start: 57920, Stop: 58144, Start Num: 2
Candidate Starts for Thibault_92:
(Start: 2 @57920 has 36 MA's), (Start: 3 @57938 has 3 MA's), (5, 57989), (9, 58079),

Gene: ThreeRngTarjay_105 Start: 63631, Stop: 63855, Start Num: 2
Candidate Starts for ThreeRngTarjay_105:
(Start: 2 @63631 has 36 MA's), (Start: 3 @63649 has 3 MA's), (5, 63700), (9, 63790),

Gene: Wanda_111 Start: 62416, Stop: 62640, Start Num: 2
Candidate Starts for Wanda_111:
(Start: 2 @62416 has 36 MA's), (Start: 3 @62434 has 3 MA's), (5, 62485), (9, 62575),

Gene: Yeet_100 Start: 61514, Stop: 61738, Start Num: 2
Candidate Starts for Yeet_100:
(Start: 2 @61514 has 36 MA's), (Start: 3 @61532 has 3 MA's), (5, 61583), (9, 61673),

Gene: Zelink_104 Start: 63629, Stop: 63835, Start Num: 3
Candidate Starts for Zelink_104:
(Start: 2 @63611 has 36 MA's), (Start: 3 @63629 has 3 MA's), (5, 63680), (7, 63755), (9, 63770),