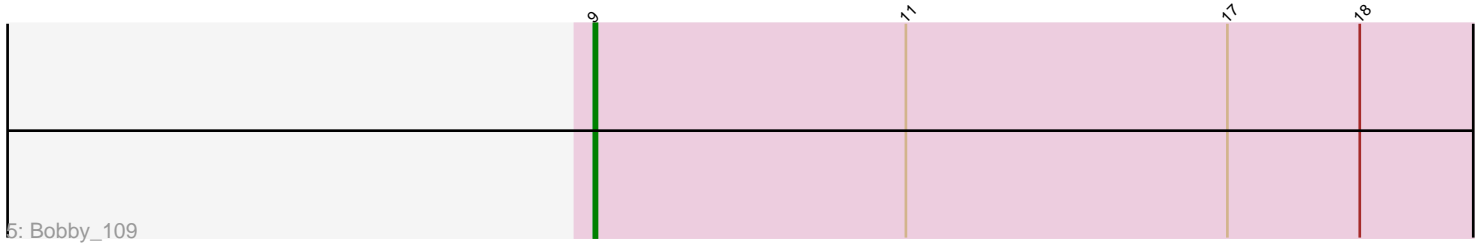
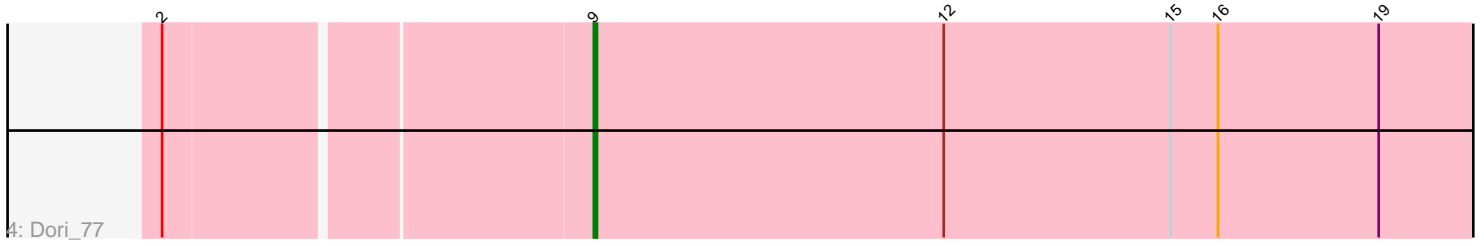
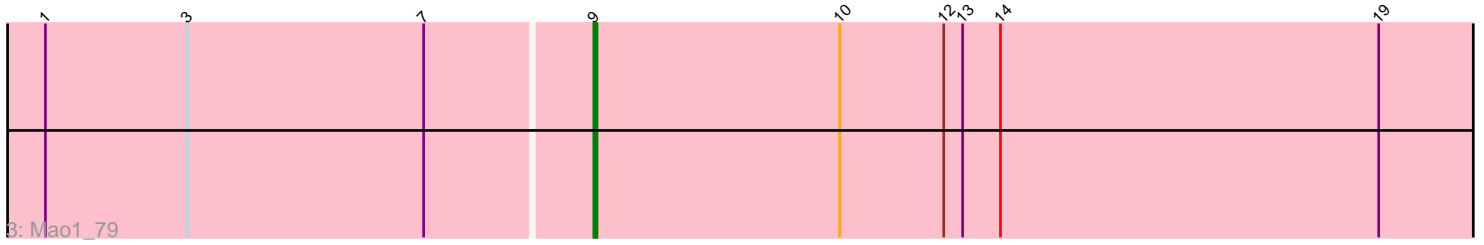
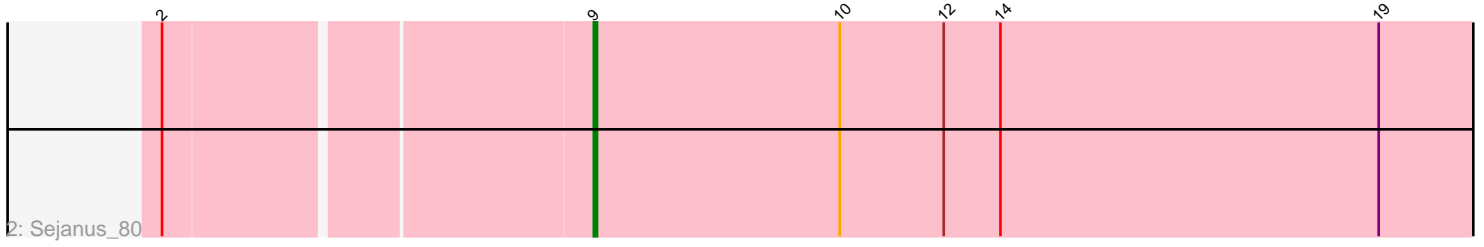
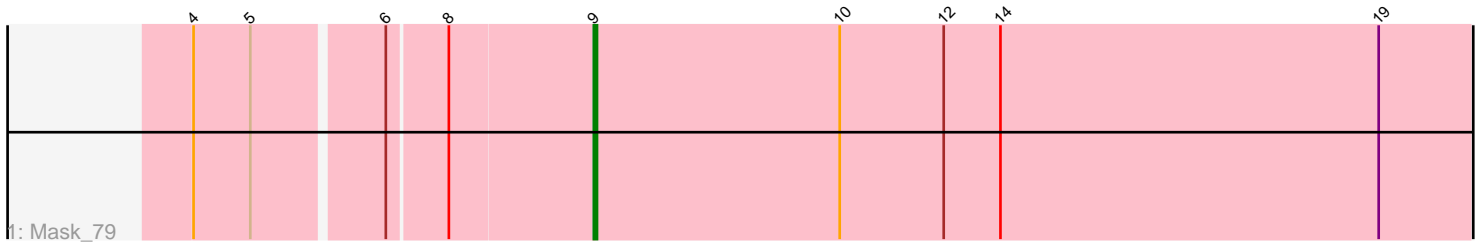


Pham 192823



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 192823 Report

This analysis was run 11/02/24 on database version 579.

Pham number 192823 has 26 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Mask_79
- Track 2 : Sejanus_80
- Track 3 : Mao1_79
- Track 4 : Dori_77
- Track 5 : Bobby_109
- Track 6 : JuicyJay_112, Dove_101, Redno2_107, ThreeRngTarjay_112, Ejimix_109, Duke13_111, Halley_117, NihilNomen_117, Odette_117, Phoebus_116, Dallas_116, Kalah2_108, Beem_117, Schatzie_110, Bagrid_116, DmpstrDiver_116, EricMillard_108, Zelink_111, BAKA_116, Hughesyang_114, HokkenD_105

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

The start number called the most often in the published annotations is 9, it was called in 24 of the 24 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BAKA_116, Bagrid_116, Beem_117, Bobby_109, Dallas_116, DmpstrDiver_116, Dori_77, Dove_101, Duke13_111, Ejimix_109, EricMillard_108, Halley_117, HokkenD_105, Hughesyang_114, JuicyJay_112, Kalah2_108, Mao1_79, Mask_79, NihilNomen_117, Odette_117, Phoebus_116, Redno2_107, Schatzie_110, Sejanus_80, ThreeRngTarjay_112, Zelink_111,

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 9:

- Found in 26 of 26 (100.0%) of genes in pham
- Manual Annotations of this start: 24 of 24
- Called 100.0% of time when present

• Phage (with cluster) where this start called: BAKA_116 (J), Bagrid_116 (J), Beem_117 (J), Bobby_109 (J), Dallas_116 (J), DmpstrDiver_116 (J), Dori_77 (AD), Dove_101 (J), Duke13_111 (J), Ejimix_109 (J), EricMillard_108 (J), Halley_117 (J), HokkenD_105 (J), Hughesyang_114 (J), JuicyJay_112 (J), Kalah2_108 (J), Mao1_79 (AD), Mask_79 (AD), NihilNomen_117 (J), Odette_117 (J), Phoebus_116 (J), Redno2_107 (J), Schatzie_110 (J), Sejanus_80 (AD), ThreeRngTarjay_112 (J), Zelink_111 (J),

Summary by clusters:

There are 2 clusters represented in this pham: J, AD,

Info for manual annotations of cluster AD:

•Start number 9 was manually annotated 4 times for cluster AD.

Info for manual annotations of cluster J:

•Start number 9 was manually annotated 20 times for cluster J.

Gene Information:

Gene: BAKA_116 Start: 64756, Stop: 65043, Start Num: 9

Candidate Starts for BAKA_116:

(Start: 9 @64756 has 24 MA's), (11, 64855), (18, 64999),

Gene: Bagrid_116 Start: 64464, Stop: 64751, Start Num: 9

Candidate Starts for Bagrid_116:

(Start: 9 @64464 has 24 MA's), (11, 64563), (18, 64707),

Gene: Beem_117 Start: 65818, Stop: 66105, Start Num: 9

Candidate Starts for Beem_117:

(Start: 9 @65818 has 24 MA's), (11, 65917), (18, 66061),

Gene: Bobby_109 Start: 66199, Stop: 66486, Start Num: 9

Candidate Starts for Bobby_109:

(Start: 9 @66199 has 24 MA's), (11, 66298), (17, 66400), (18, 66442),

Gene: Dallas_116 Start: 65333, Stop: 65620, Start Num: 9

Candidate Starts for Dallas_116:

(Start: 9 @65333 has 24 MA's), (11, 65432), (18, 65576),

Gene: DmpstrDiver_116 Start: 64753, Stop: 65040, Start Num: 9

Candidate Starts for DmpstrDiver_116:

(Start: 9 @64753 has 24 MA's), (11, 64852), (18, 64996),

Gene: Dori_77 Start: 56600, Stop: 56884, Start Num: 9

Candidate Starts for Dori_77:

(2, 56471), (Start: 9 @56600 has 24 MA's), (12, 56711), (15, 56783), (16, 56798), (19, 56849),

Gene: Dove_101 Start: 60247, Stop: 60534, Start Num: 9

Candidate Starts for Dove_101:

(Start: 9 @60247 has 24 MA's), (11, 60346), (18, 60490),

Gene: Duke13_111 Start: 62424, Stop: 62711, Start Num: 9

Candidate Starts for Duke13_111:

(Start: 9 @62424 has 24 MA's), (11, 62523), (18, 62667),

Gene: Ejimix_109 Start: 65512, Stop: 65799, Start Num: 9

Candidate Starts for Ejimix_109:

(Start: 9 @65512 has 24 MA's), (11, 65611), (18, 65755),

Gene: EricMillard_108 Start: 64393, Stop: 64680, Start Num: 9

Candidate Starts for EricMillard_108:

(Start: 9 @64393 has 24 MA's), (11, 64492), (18, 64636),

Gene: Halley_117 Start: 65828, Stop: 66115, Start Num: 9

Candidate Starts for Halley_117:

(Start: 9 @65828 has 24 MA's), (11, 65927), (18, 66071),

Gene: HokkenD_105 Start: 63087, Stop: 63374, Start Num: 9

Candidate Starts for HokkenD_105:

(Start: 9 @63087 has 24 MA's), (11, 63186), (18, 63330),

Gene: Hughesyang_114 Start: 65284, Stop: 65571, Start Num: 9

Candidate Starts for Hughesyang_114:

(Start: 9 @65284 has 24 MA's), (11, 65383), (18, 65527),

Gene: JuicyJay_112 Start: 66953, Stop: 67240, Start Num: 9

Candidate Starts for JuicyJay_112:

(Start: 9 @66953 has 24 MA's), (11, 67052), (18, 67196),

Gene: Kalah2_108 Start: 64619, Stop: 64906, Start Num: 9

Candidate Starts for Kalah2_108:

(Start: 9 @64619 has 24 MA's), (11, 64718), (18, 64862),

Gene: Mao1_79 Start: 55415, Stop: 55702, Start Num: 9

Candidate Starts for Mao1_79:

(1, 55244), (3, 55289), (7, 55364), (Start: 9 @55415 has 24 MA's), (10, 55493), (12, 55526), (13, 55532), (14, 55544), (19, 55664),

Gene: Mask_79 Start: 57892, Stop: 58176, Start Num: 9

Candidate Starts for Mask_79:

(4, 57772), (5, 57790), (6, 57829), (8, 57847), (Start: 9 @57892 has 24 MA's), (10, 57970), (12, 58003), (14, 58021), (19, 58141),

Gene: NihilNomen_117 Start: 64905, Stop: 65192, Start Num: 9

Candidate Starts for NihilNomen_117:

(Start: 9 @64905 has 24 MA's), (11, 65004), (18, 65148),

Gene: Odette_117 Start: 64813, Stop: 65100, Start Num: 9

Candidate Starts for Odette_117:

(Start: 9 @64813 has 24 MA's), (11, 64912), (18, 65056),

Gene: Phoebus_116 Start: 66595, Stop: 66882, Start Num: 9

Candidate Starts for Phoebus_116:

(Start: 9 @66595 has 24 MA's), (11, 66694), (18, 66838),

Gene: Redno2_107 Start: 61609, Stop: 61896, Start Num: 9

Candidate Starts for Redno2_107:

(Start: 9 @61609 has 24 MA's), (11, 61708), (18, 61852),

Gene: Schatzie_110 Start: 63695, Stop: 63982, Start Num: 9

Candidate Starts for Schatzie_110:

(Start: 9 @63695 has 24 MA's), (11, 63794), (18, 63938),

Gene: Sejanus_80 Start: 56748, Stop: 57032, Start Num: 9

Candidate Starts for Sejanus_80:

(2, 56619), (Start: 9 @56748 has 24 MA's), (10, 56826), (12, 56859), (14, 56877), (19, 56997),

Gene: ThreeRngTarjay_112 Start: 65851, Stop: 66138, Start Num: 9

Candidate Starts for ThreeRngTarjay_112:

(Start: 9 @65851 has 24 MA's), (11, 65950), (18, 66094),

Gene: Zelink_111 Start: 65798, Stop: 66085, Start Num: 9

Candidate Starts for Zelink_111:

(Start: 9 @65798 has 24 MA's), (11, 65897), (18, 66041),