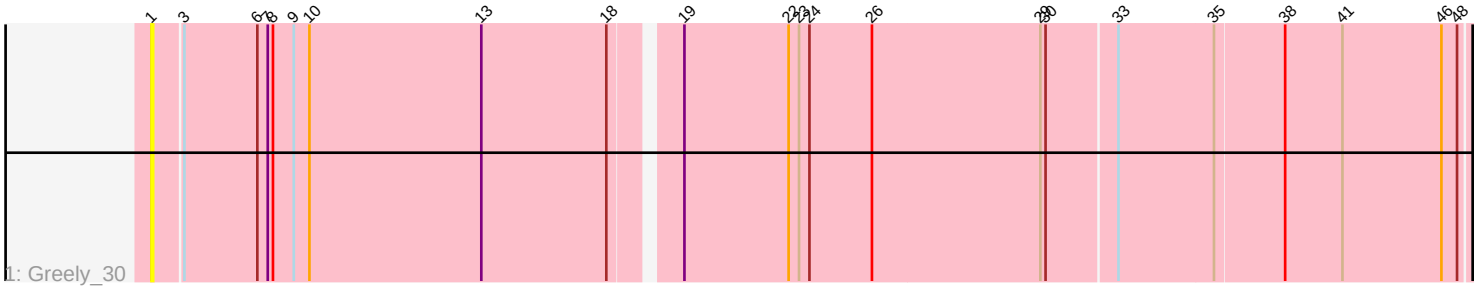
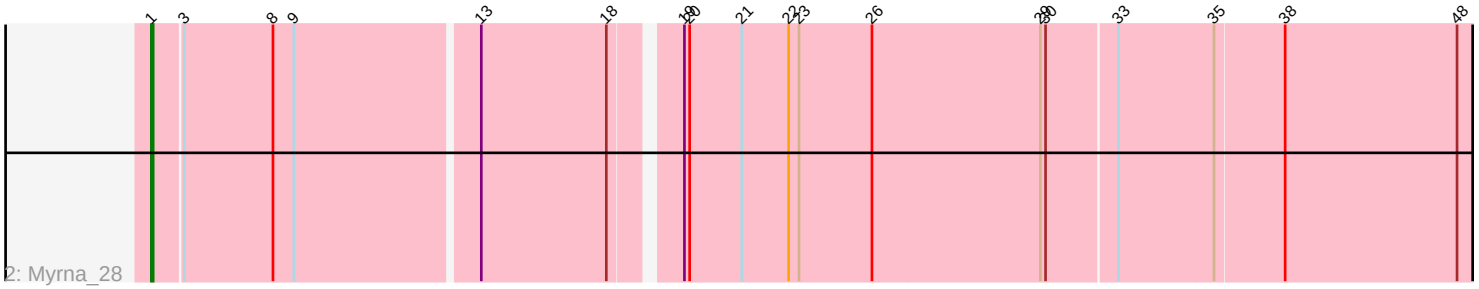
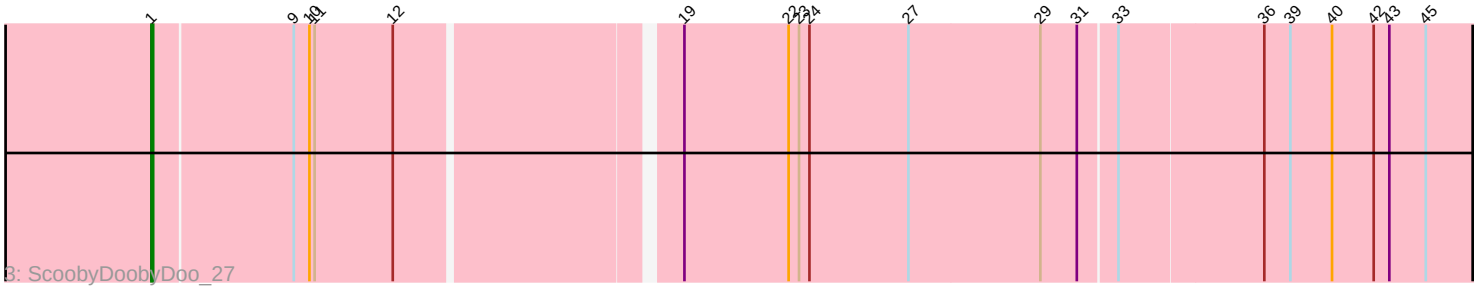
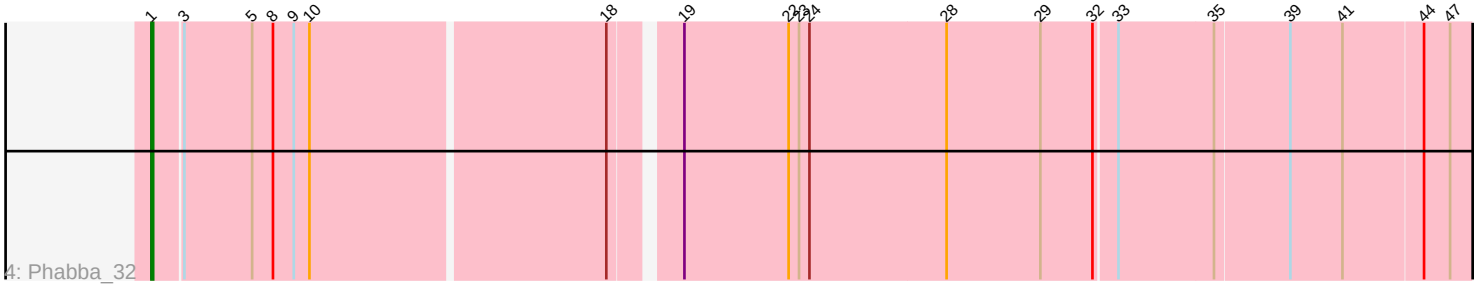
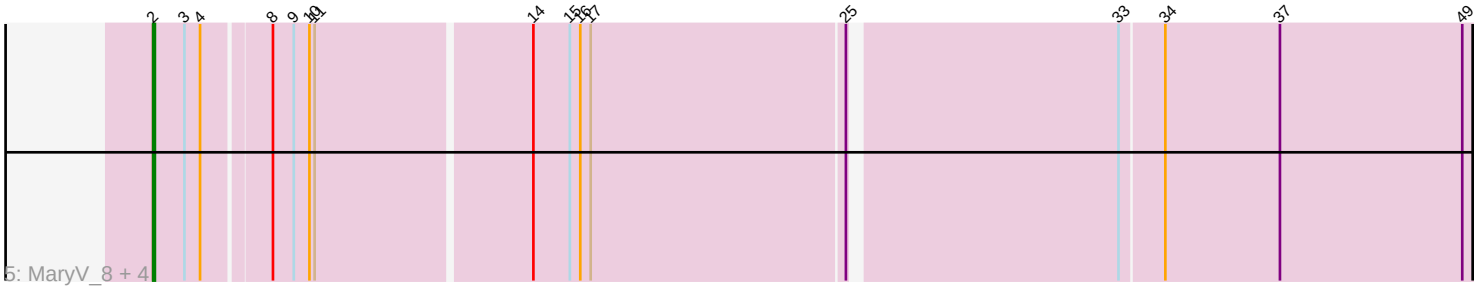
Zoomed Pham 346426











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 346426 Report

This analysis was run 11/14/26 on database version 672.

Pham number 346426 has 9 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Greely_30
• Track 2 : Myrna_28
• Track 3 : ScoobyDoobyDoo_27
• Track 4 : Phabba_32
• Track 5 : MaryV_8, Cosmo_8, Wildcat_8, EniyanLRS_4, Azrael100_8

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 5 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Azrael100_8, Cosmo_8, EniyanLRS_4, MaryV_8, Wildcat_8,

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

Genes that do not have the "Most Annotated" start:
• Greely_30, Myrna_28, Phabba_32, ScoobyDoobyDoo_27,

Summary by start number:

Start 1:
• Found in 4 of 9 (44.4%) of genes in pham
• Manual Annotations of this start: 3 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Greely_30 (C2), Myrna_28 (C2), Phabba_32 (C2), ScoobyDoobyDoo_27 (C2),

Start 2:
• Found in 5 of 9 (55.6%) of genes in pham
• Manual Annotations of this start: 5 of 8
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Azrael100_8 (V), Cosmo_8 (V), EniyanLRS_4 (V), MaryV_8 (V), Wildcat_8 (V),

Summary by clusters:

There are 2 clusters represented in this pham: C2, V,

Info for manual annotations of cluster C2:
•Start number 1 was manually annotated 3 times for cluster C2.

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

Gene Information:

Gene: Azrael100_8 Start: 2742, Stop: 1537, Start Num: 2
Candidate Starts for Azrael100_8:
(Start: 2 @2742 has 5 MA's), (3, 2724), (4, 2715), (8, 2679), (9, 2667), (10, 2658), (11, 2655), (14, 2535), (15, 2514), (16, 2508), (17, 2502), (25, 2358), (33, 2211), (34, 2187), (37, 2121), (49, 2016), (63, 1734),

Gene: Cosmo_8 Start: 2742, Stop: 1537, Start Num: 2
Candidate Starts for Cosmo_8:
(Start: 2 @2742 has 5 MA's), (3, 2724), (4, 2715), (8, 2679), (9, 2667), (10, 2658), (11, 2655), (14, 2535), (15, 2514), (16, 2508), (17, 2502), (25, 2358), (33, 2211), (34, 2187), (37, 2121), (49, 2016), (63, 1734),

Gene: EniyanLRS_4 Start: 2285, Stop: 1080, Start Num: 2
Candidate Starts for EniyanLRS_4:
(Start: 2 @2285 has 5 MA's), (3, 2267), (4, 2258), (8, 2222), (9, 2210), (10, 2201), (11, 2198), (14, 2078), (15, 2057), (16, 2051), (17, 2045), (25, 1901), (33, 1754), (34, 1730), (37, 1664), (49, 1559), (63, 1277),

Gene: Greely_30 Start: 11575, Stop: 12762, Start Num: 1
Candidate Starts for Greely_30:
(Start: 1 @11575 has 3 MA's), (3, 11590), (6, 11632), (7, 11638), (8, 11641), (9, 11653), (10, 11662), (13, 11761), (18, 11833), (19, 11866), (22, 11926), (23, 11932), (24, 11938), (26, 11974), (29, 12070), (30, 12073), (33, 12112), (35, 12166), (38, 12205), (41, 12238), (46, 12295), (48, 12304), (50, 12322), (51, 12355), (52, 12370), (56, 12433), (58, 12460), (59, 12484), (60, 12493), (63, 12565), (64, 12607), (66, 12625), (67, 12628), (69, 12658), (73, 12724), (74, 12727),

Gene: MaryV_8 Start: 2742, Stop: 1537, Start Num: 2
Candidate Starts for MaryV_8:
(Start: 2 @2742 has 5 MA's), (3, 2724), (4, 2715), (8, 2679), (9, 2667), (10, 2658), (11, 2655), (14, 2535), (15, 2514), (16, 2508), (17, 2502), (25, 2358), (33, 2211), (34, 2187), (37, 2121), (49, 2016), (63, 1734),

Gene: Myrna_28 Start: 11825, Stop: 13018, Start Num: 1
Candidate Starts for Myrna_28:
(Start: 1 @11825 has 3 MA's), (3, 11840), (8, 11891), (9, 11903), (13, 12005), (18, 12077), (19, 12110), (20, 12113), (21, 12143), (22, 12170), (23, 12176), (26, 12218), (29, 12314), (30, 12317), (33, 12356),

(35, 12410), (38, 12449), (48, 12548), (50, 12569), (52, 12617), (56, 12680), (58, 12707), (59, 12731), (60, 12740), (63, 12812), (69, 12905), (71, 12935), (76, 13007), (77, 13013),

Gene: Phabba_32 Start: 11763, Stop: 12944, Start Num: 1
Candidate Starts for Phabba_32:
(Start: 1 @11763 has 3 MA's), (3, 11778), (5, 11817), (8, 11829), (9, 11841), (10, 11850), (18, 12015), (19, 12048), (22, 12108), (23, 12114), (24, 12120), (28, 12198), (29, 12252), (32, 12282), (33, 12294), (35, 12348), (39, 12390), (41, 12420), (44, 12465), (47, 12480), (53, 12573), (54, 12597), (56, 12609), (57, 12636), (59, 12666), (60, 12675), (61, 12678), (62, 12732), (67, 12810), (68, 12822), (69, 12840), (72, 12891), (75, 12912),

Gene: ScoobyDoobyDoo_27 Start: 9538, Stop: 10731, Start Num: 1
Candidate Starts for ScoobyDoobyDoo_27:
(Start: 1 @9538 has 3 MA's), (9, 9616), (10, 9625), (11, 9628), (12, 9673), (19, 9823), (22, 9883), (23, 9889), (24, 9895), (27, 9952), (29, 10027), (31, 10048), (33, 10069), (36, 10150), (39, 10165), (40, 10189), (42, 10213), (43, 10222), (45, 10243), (52, 10324), (54, 10375), (55, 10378), (56, 10387), (59, 10444), (61, 10456), (63, 10534), (65, 10591), (66, 10594), (69, 10627), (70, 10639), (73, 10693), (74, 10696),

Gene: Wildcat_8 Start: 2752, Stop: 1547, Start Num: 2
Candidate Starts for Wildcat_8:
(Start: 2 @2752 has 5 MA's), (3, 2734), (4, 2725), (8, 2689), (9, 2677), (10, 2668), (11, 2665), (14, 2545), (15, 2524), (16, 2518), (17, 2512), (25, 2368), (33, 2221), (34, 2197), (37, 2131), (49, 2026), (63, 1744),