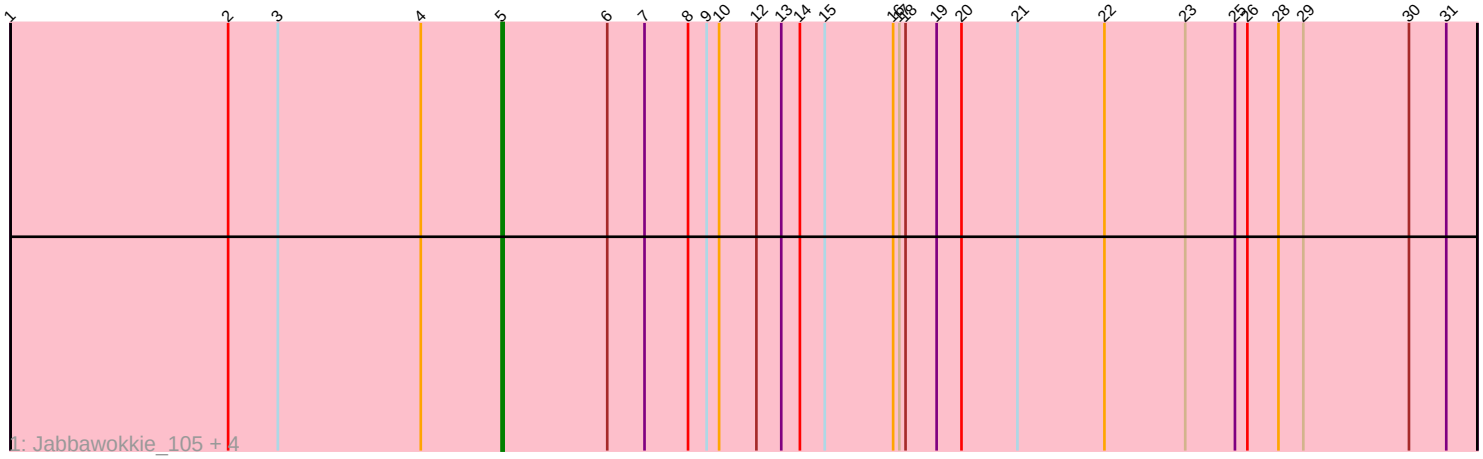
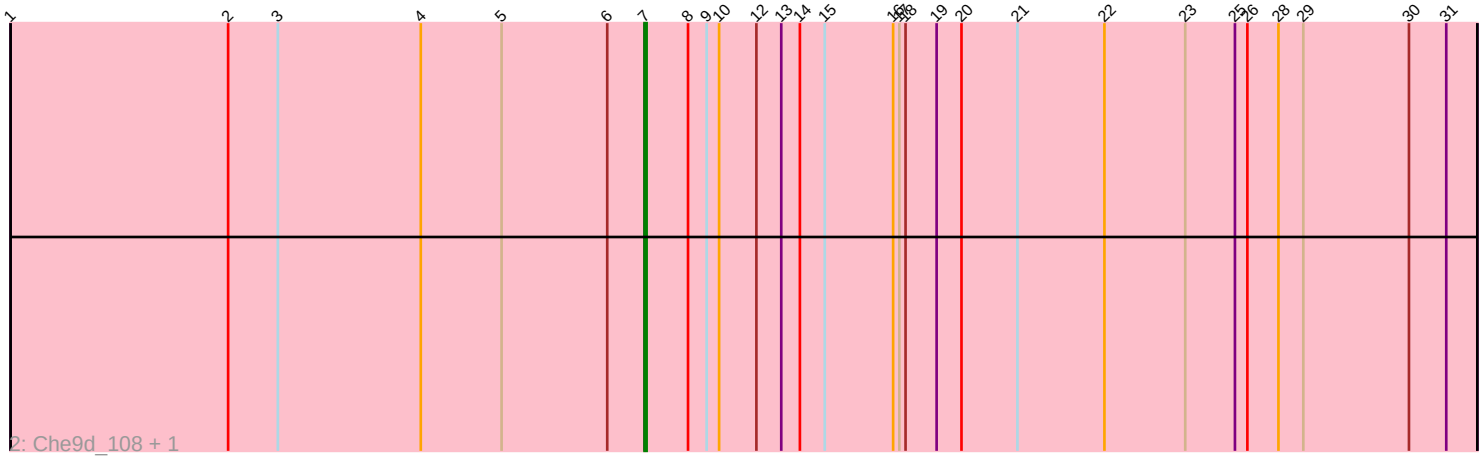
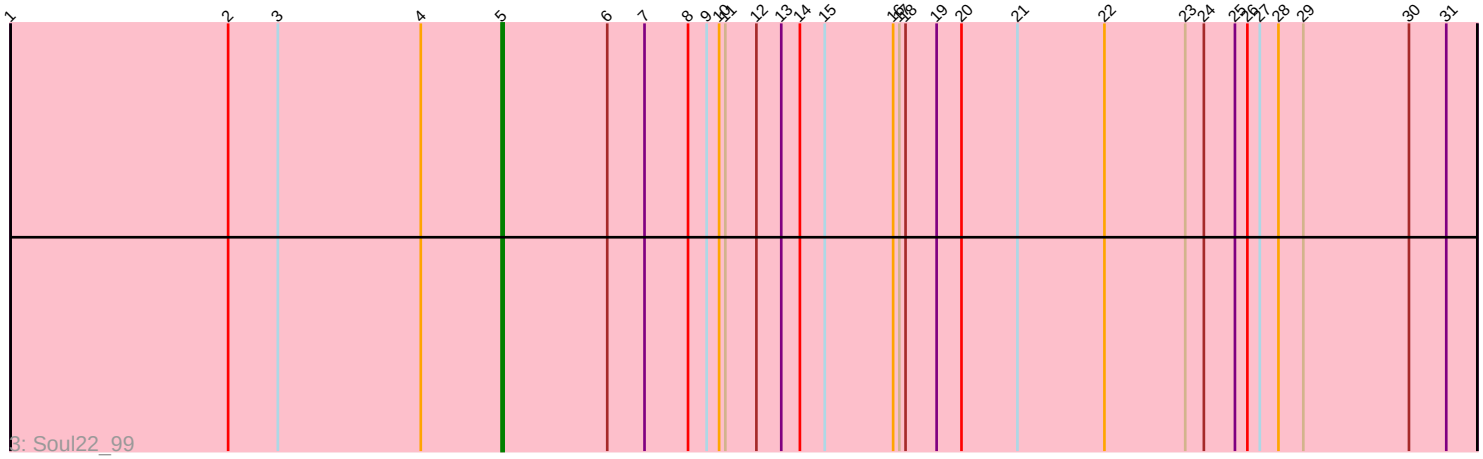
Pham 6965







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 6965 Report

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

Pham number 6965 has 8 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Jabbawokkie_105, Avani_104, Zapner_105, Blarby_106, Demsculpinboyz_114
• Track 2 : Che9d_108, Yoshi_113
• Track 3 : Soul22_99

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

The start number called the most often in the published annotations is 5, it was called in 5 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Avani_104, Blarby_106, Demsculpinboyz_114, Jabbawokkie_105, Soul22_99, Zapner_105,

Genes that have the "Most Annotated" start but do not call it:
• Che9d_108, Yoshi_113,

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

Summary by start number:

Start 5:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 7
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Avani_104 (F2), Blarby_106 (F), Demsculpinboyz_114 (F2), Jabbawokkie_105 (F2), Soul22_99 (F2), Zapner_105 (F2),

Start 7:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 7
• Called 25.0% of time when present

• Phage (with cluster) where this start called: Che9d_108 (F2), Yoshi_113 (F2),

Summary by clusters:

There are 2 clusters represented in this pham: F2, F,

Info for manual annotations of cluster F2:
•Start number 5 was manually annotated 5 times for cluster F2.
•Start number 7 was manually annotated 2 times for cluster F2.

Gene Information:

Gene: Avani_104 Start: 51841, Stop: 51371, Start Num: 5
Candidate Starts for Avani_104:
(1, 52078), (2, 51973), (3, 51949), (4, 51880), (Start: 5 @51841 has 5 MA's), (6, 51790), (Start: 7 @51772 has 2 MA's), (8, 51751), (9, 51742), (10, 51736), (12, 51718), (13, 51706), (14, 51697), (15, 51685), (16, 51652), (17, 51649), (18, 51646), (19, 51631), (20, 51619), (21, 51592), (22, 51550), (23, 51511), (25, 51487), (26, 51481), (28, 51466), (29, 51454), (30, 51403), (31, 51385),

Gene: Blarby_106 Start: 52668, Stop: 52198, Start Num: 5
Candidate Starts for Blarby_106:
(1, 52905), (2, 52800), (3, 52776), (4, 52707), (Start: 5 @52668 has 5 MA's), (6, 52617), (Start: 7 @52599 has 2 MA's), (8, 52578), (9, 52569), (10, 52563), (12, 52545), (13, 52533), (14, 52524), (15, 52512), (16, 52479), (17, 52476), (18, 52473), (19, 52458), (20, 52446), (21, 52419), (22, 52377), (23, 52338), (25, 52314), (26, 52308), (28, 52293), (29, 52281), (30, 52230), (31, 52212),

Gene: Che9d_108 Start: 53587, Stop: 53186, Start Num: 7
Candidate Starts for Che9d_108:
(1, 53893), (2, 53788), (3, 53764), (4, 53695), (Start: 5 @53656 has 5 MA's), (6, 53605), (Start: 7 @53587 has 2 MA's), (8, 53566), (9, 53557), (10, 53551), (12, 53533), (13, 53521), (14, 53512), (15, 53500), (16, 53467), (17, 53464), (18, 53461), (19, 53446), (20, 53434), (21, 53407), (22, 53365), (23, 53326), (25, 53302), (26, 53296), (28, 53281), (29, 53269), (30, 53218), (31, 53200),

Gene: Demsculpinboyz_114 Start: 54817, Stop: 54347, Start Num: 5
Candidate Starts for Demsculpinboyz_114:
(1, 55054), (2, 54949), (3, 54925), (4, 54856), (Start: 5 @54817 has 5 MA's), (6, 54766), (Start: 7 @54748 has 2 MA's), (8, 54727), (9, 54718), (10, 54712), (12, 54694), (13, 54682), (14, 54673), (15, 54661), (16, 54628), (17, 54625), (18, 54622), (19, 54607), (20, 54595), (21, 54568), (22, 54526), (23, 54487), (25, 54463), (26, 54457), (28, 54442), (29, 54430), (30, 54379), (31, 54361),

Gene: Jabbawokkie_105 Start: 52588, Stop: 52118, Start Num: 5
Candidate Starts for Jabbawokkie_105:
(1, 52825), (2, 52720), (3, 52696), (4, 52627), (Start: 5 @52588 has 5 MA's), (6, 52537), (Start: 7 @52519 has 2 MA's), (8, 52498), (9, 52489), (10, 52483), (12, 52465), (13, 52453), (14, 52444), (15, 52432), (16, 52399), (17, 52396), (18, 52393), (19, 52378), (20, 52366), (21, 52339), (22, 52297), (23, 52258), (25, 52234), (26, 52228), (28, 52213), (29, 52201), (30, 52150), (31, 52132),

Gene: Soul22_99 Start: 52190, Stop: 51720, Start Num: 5
Candidate Starts for Soul22_99:

(1, 52427), (2, 52322), (3, 52298), (4, 52229), (Start: 5 @52190 has 5 MA's), (6, 52139), (Start: 7 @52121 has 2 MA's), (8, 52100), (9, 52091), (10, 52085), (11, 52082), (12, 52067), (13, 52055), (14, 52046), (15, 52034), (16, 52001), (17, 51998), (18, 51995), (19, 51980), (20, 51968), (21, 51941), (22, 51899), (23, 51860), (24, 51851), (25, 51836), (26, 51830), (27, 51824), (28, 51815), (29, 51803), (30, 51752), (31, 51734),

Gene: Yoshi_113 Start: 56025, Stop: 55624, Start Num: 7
Candidate Starts for Yoshi_113:
(1, 56331), (2, 56226), (3, 56202), (4, 56133), (Start: 5 @56094 has 5 MA's), (6, 56043), (Start: 7 @56025 has 2 MA's), (8, 56004), (9, 55995), (10, 55989), (12, 55971), (13, 55959), (14, 55950), (15, 55938), (16, 55905), (17, 55902), (18, 55899), (19, 55884), (20, 55872), (21, 55845), (22, 55803), (23, 55764), (25, 55740), (26, 55734), (28, 55719), (29, 55707), (30, 55656), (31, 55638),

Gene: Zapner_105 Start: 52682, Stop: 52212, Start Num: 5
Candidate Starts for Zapner_105:
(1, 52919), (2, 52814), (3, 52790), (4, 52721), (Start: 5 @52682 has 5 MA's), (6, 52631), (Start: 7 @52613 has 2 MA's), (8, 52592), (9, 52583), (10, 52577), (12, 52559), (13, 52547), (14, 52538), (15, 52526), (16, 52493), (17, 52490), (18, 52487), (19, 52472), (20, 52460), (21, 52433), (22, 52391), (23, 52352), (25, 52328), (26, 52322), (28, 52307), (29, 52295), (30, 52244), (31, 52226),