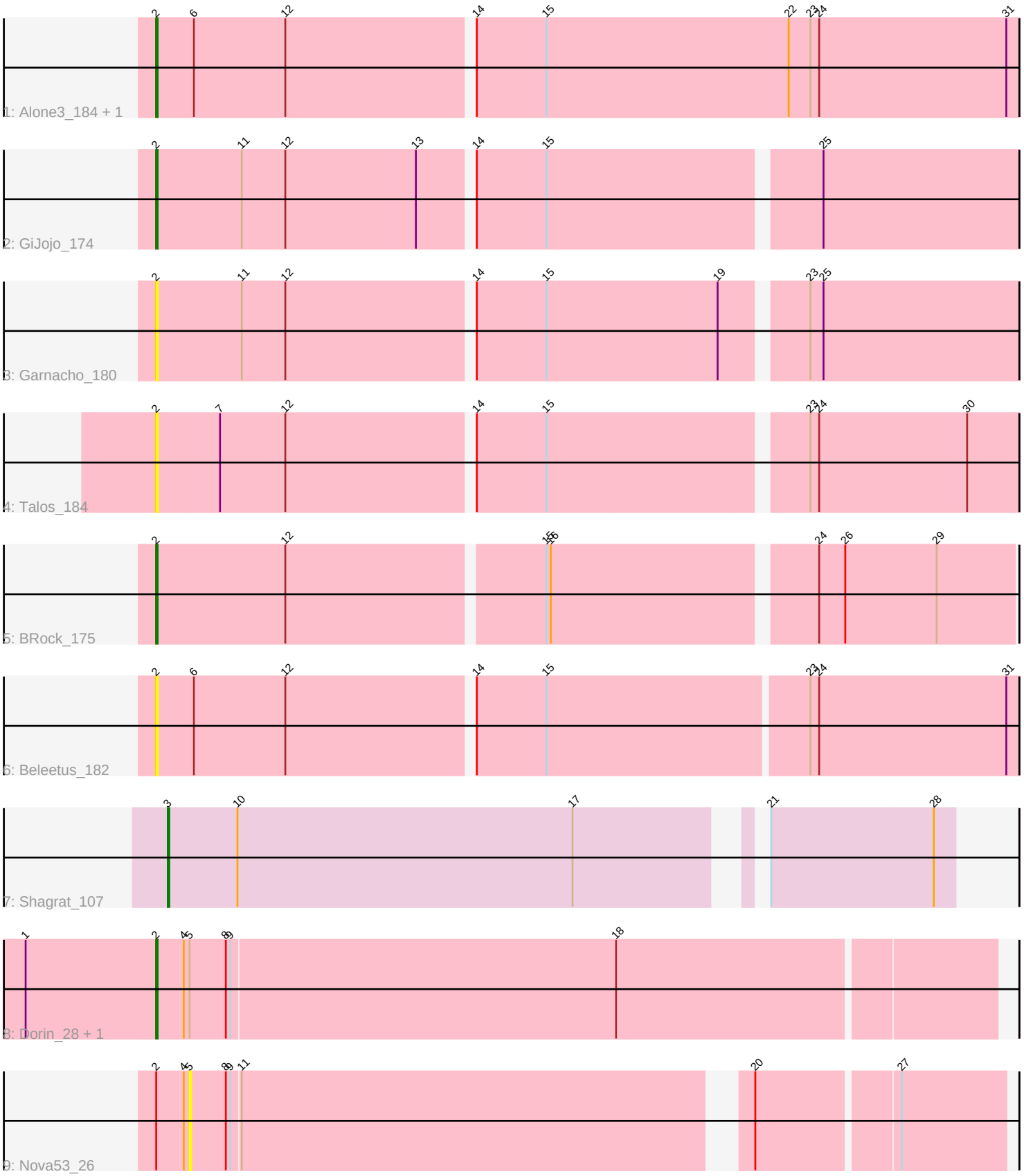
Pham 216773


1: Alone3_184 + 1
2: GiJojo_174
3: Garnacho_180
4: Talos_184
5: BRock_175
6: Beleetus_182
7: Shagrat_107
8: Dorin_28 + 1
9: Nova53_26

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 216773 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216773 has 11 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Alone3_184, LuckySocke_182
• Track 2 : GiJojo_174
• Track 3 : Garnacho_180
• Track 4 : Talos_184
• Track 5 : BRock_175
• Track 6 : Beleetus_182
• Track 7 : Shagrat_107
• Track 8 : Dorin_28, Francesca_27
• Track 9 : Nova53_26

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 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alone3_184, BRock_175, Beleetus_182, Dorin_28, Francesca_27, Garnacho_180, GiJojo_174, LuckySocke_182, Talos_184,

Genes that have the "Most Annotated" start but do not call it:
• Nova53_26,

Genes that do not have the "Most Annotated" start:
• Shagrat_107,

Summary by start number:

Start 2:
• Found in 10 of 11 (90.9%) of genes in pham
• Manual Annotations of this start: 6 of 7
• Called 90.0% of time when present
• Phage (with cluster) where this start called: Alone3_184 (BS), BRock_175 (BS), Beleetus_182 (BS), Dorin_28 (CG), Francesca_27 (CG), Garnacho_180 (BS), GiJojo_174 (BS), LuckySocke_182 (BS), Talos_184 (BS),

Start 3:
• Found in 1 of 11 (9.1%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Shagrat_107 (CF),

Start 5:
• Found in 3 of 11 (27.3%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Nova53_26 (CG),

Summary by clusters:

There are 3 clusters represented in this pham: CG, CF, BS,

Info for manual annotations of cluster BS:
•Start number 2 was manually annotated 4 times for cluster BS.

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

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

Gene Information:

Gene: Alone3_184 Start: 94300, Stop: 94881, Start Num: 2
Candidate Starts for Alone3_184:
(Start: 2 @94300 has 6 MA's), (6, 94324), (12, 94387), (14, 94510), (15, 94558), (22, 94723), (23, 94738), (24, 94744), (31, 94873),

Gene: BRock_175 Start: 89700, Stop: 90266, Start Num: 2
Candidate Starts for BRock_175:
(Start: 2 @89700 has 6 MA's), (12, 89787), (15, 89958), (16, 89961), (24, 90132), (26, 90150), (29, 90213),

Gene: Beleetus_182 Start: 92967, Stop: 93542, Start Num: 2
Candidate Starts for Beleetus_182:
(Start: 2 @92967 has 6 MA's), (6, 92991), (12, 93054), (14, 93177), (15, 93225), (23, 93399), (24, 93405), (31, 93534),

Gene: Dorin_28 Start: 12313, Stop: 11747, Start Num: 2
Candidate Starts for Dorin_28:
(1, 12403), (Start: 2 @12313 has 6 MA's), (4, 12295), (5, 12292), (8, 12268), (9, 12265), (18, 12001),

Gene: Francesca_27 Start: 12435, Stop: 11869, Start Num: 2
Candidate Starts for Francesca_27:
(1, 12525), (Start: 2 @12435 has 6 MA's), (4, 12417), (5, 12414), (8, 12390), (9, 12387), (18, 12123),

Gene: Garnacho_180 Start: 92644, Stop: 93213, Start Num: 2
Candidate Starts for Garnacho_180:
(Start: 2 @92644 has 6 MA's), (11, 92701), (12, 92731), (14, 92854), (15, 92902), (19, 93019), (23, 93070), (25, 93079),

Gene: GiJojo_174 Start: 94010, Stop: 94579, Start Num: 2
Candidate Starts for GiJojo_174:
(Start: 2 @94010 has 6 MA's), (11, 94067), (12, 94097), (13, 94187), (14, 94220), (15, 94268), (25, 94445),

Gene: LuckySocke_182 Start: 92805, Stop: 93386, Start Num: 2
Candidate Starts for LuckySocke_182:
(Start: 2 @92805 has 6 MA's), (6, 92829), (12, 92892), (14, 93015), (15, 93063), (22, 93228), (23, 93243), (24, 93249), (31, 93378),

Gene: Nova53_26 Start: 12078, Stop: 11551, Start Num: 5
Candidate Starts for Nova53_26:
(Start: 2 @12099 has 6 MA's), (4, 12081), (5, 12078), (8, 12054), (9, 12051), (11, 12045), (20, 11715), (27, 11622),

Gene: Shagrat_107 Start: 56053, Stop: 56559, Start Num: 3
Candidate Starts for Shagrat_107:
(Start: 3 @56053 has 1 MA's), (10, 56101), (17, 56332), (21, 56434), (28, 56545),

Gene: Talos_184 Start: 92834, Stop: 93403, Start Num: 2
Candidate Starts for Talos_184:
(Start: 2 @92834 has 6 MA's), (7, 92876), (12, 92921), (14, 93044), (15, 93092), (23, 93260), (24, 93266), (30, 93368),