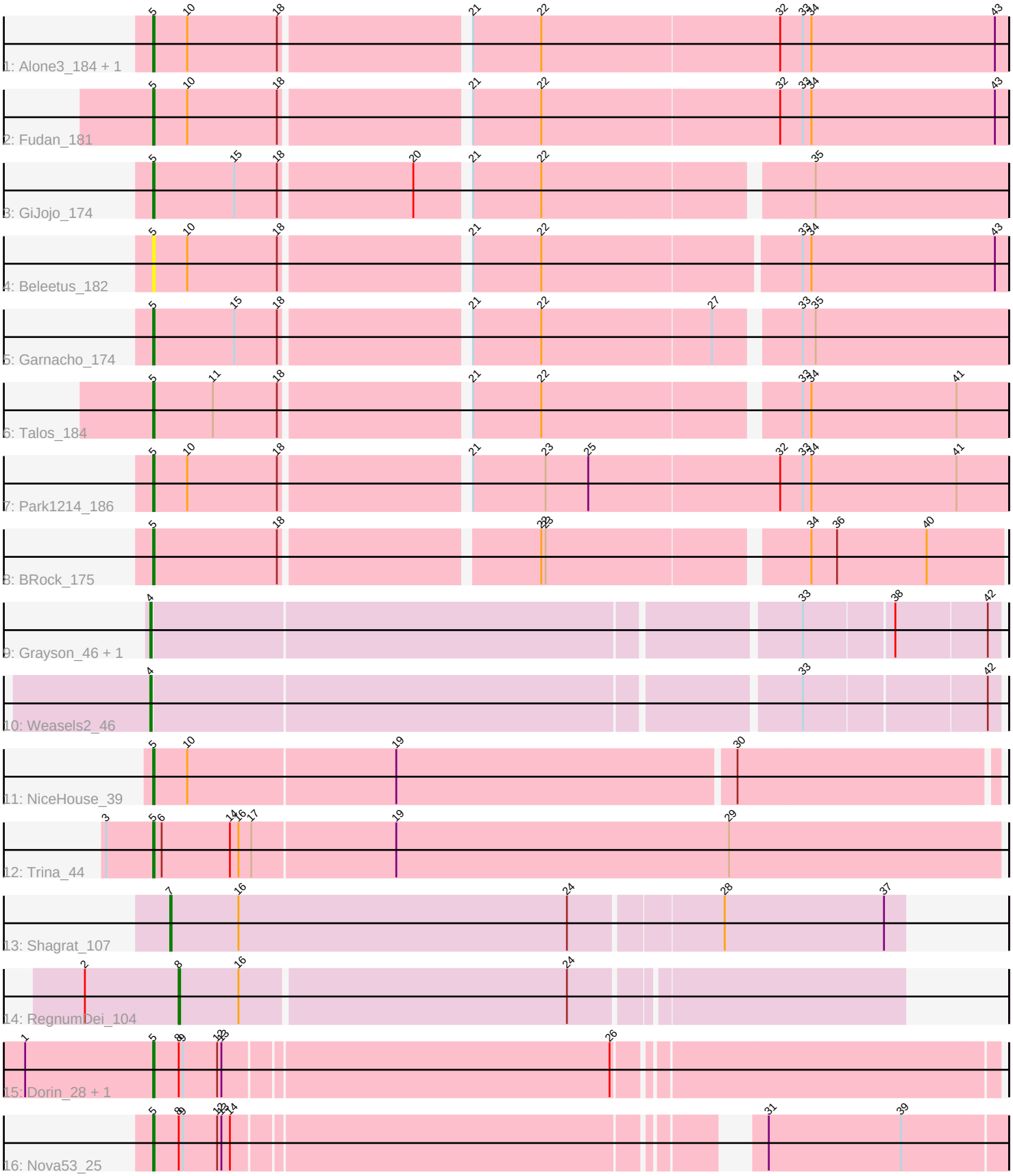
Pham 348088


1: Alone3_184 + 1
2: Fudan_181
3: GiJojo_174
4: Beleetus_182
5: Garnacho_174
6: Talos_184
7: Park1214_186
8: BRock_175
9: Grayson_46 + 1
10: Weasels2_46
11: NiceHouse_39
12: Trina_44
13: Shagrat_107
14: RegnumDei_104
15: Dorin_28 + 1
16: Nova53_25

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 348088 Report

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

Pham number 348088 has 19 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Alone3_184, LuckySocke_182
• Track 2 : Fudan_181
• Track 3 : GiJojo_174
• Track 4 : Beleetus_182
• Track 5 : Garnacho_174
• Track 6 : Talos_184
• Track 7 : Park1214_186
• Track 8 : BRock_175
• Track 9 : Grayson_46, Peregrin_44
• Track 10 : Weasels2_46
• Track 11 : NiceHouse_39
• Track 12 : Trina_44
• Track 13 : Shagrat_107
• Track 14 : RegnumDei_104
• Track 15 : Dorin_28, Francesca_27
• Track 16 : Nova53_25

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 13 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alone3_184, BRock_175, Beleetus_182, Dorin_28, Francesca_27, Fudan_181, Garnacho_174, GiJojo_174, LuckySocke_182, NiceHouse_39, Nova53_25, Park1214_186, Talos_184, Trina_44,

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

Genes that do not have the "Most Annotated" start:
• Grayson_46, Peregrin_44, RegnumDei_104, Shagrat_107, Weasels2_46,

Summary by start number:

Start 4:
• Found in 3 of 19 (15.8%) of genes in pham
• Manual Annotations of this start: 3 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Grayson_46 (CB), Peregrin_44 (CB), Weasels2_46 (CB),

Start 5:
• Found in 14 of 19 (73.7%) of genes in pham
• Manual Annotations of this start: 13 of 18
• Called 100.0% 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), Fudan_181 (BS), Garnacho_174 (BS), GiJojo_174 (BS), LuckySocke_182 (BS), NiceHouse_39 (CE), Nova53_25 (CG), Park1214_186 (BS), Talos_184 (BS), Trina_44 (CE),

Start 7:
• Found in 1 of 19 (5.3%) of genes in pham
• Manual Annotations of this start: 1 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Shagrat_107 (CF),

Start 8:
• Found in 4 of 19 (21.1%) of genes in pham
• Manual Annotations of this start: 1 of 18
• Called 25.0% of time when present
• Phage (with cluster) where this start called: RegnumDei_104 (CF),

Summary by clusters:

There are 5 clusters represented in this pham: CB, CG, CF, CE, BS,

Info for manual annotations of cluster BS:
•Start number 5 was manually annotated 8 times for cluster BS.

Info for manual annotations of cluster CB:
•Start number 4 was manually annotated 3 times for cluster CB.

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

Info for manual annotations of cluster CF:
•Start number 7 was manually annotated 1 time for cluster CF.
•Start number 8 was manually annotated 1 time for cluster CF.

Info for manual annotations of cluster CG:
•Start number 5 was manually annotated 3 times for cluster CG.

Gene Information:

Gene: Alone3_184 Start: 94300, Stop: 94881, Start Num: 5
Candidate Starts for Alone3_184:
(Start: 5 @94300 has 13 MA's), (10, 94324), (18, 94387), (21, 94510), (22, 94558), (32, 94723), (33, 94738), (34, 94744), (43, 94873),

Gene: BRock_175 Start: 89700, Stop: 90266, Start Num: 5
Candidate Starts for BRock_175:
(Start: 5 @89700 has 13 MA's), (18, 89787), (22, 89958), (23, 89961), (34, 90132), (36, 90150), (40, 90213),

Gene: Beleetus_182 Start: 92967, Stop: 93542, Start Num: 5
Candidate Starts for Beleetus_182:
(Start: 5 @92967 has 13 MA's), (10, 92991), (18, 93054), (21, 93177), (22, 93225), (33, 93399), (34, 93405), (43, 93534),

Gene: Dorin_28 Start: 12313, Stop: 11747, Start Num: 5
Candidate Starts for Dorin_28:
(1, 12403), (Start: 5 @12313 has 13 MA's), (Start: 8 @12295 has 1 MA's), (9, 12292), (12, 12268), (13, 12265), (26, 12001),

Gene: Francesca_27 Start: 12435, Stop: 11869, Start Num: 5
Candidate Starts for Francesca_27:
(1, 12525), (Start: 5 @12435 has 13 MA's), (Start: 8 @12417 has 1 MA's), (9, 12414), (12, 12390), (13, 12387), (26, 12123),

Gene: Fudan_181 Start: 92865, Stop: 93446, Start Num: 5
Candidate Starts for Fudan_181:
(Start: 5 @92865 has 13 MA's), (10, 92889), (18, 92952), (21, 93075), (22, 93123), (32, 93288), (33, 93303), (34, 93309), (43, 93438),

Gene: Garnacho_174 Start: 92644, Stop: 93213, Start Num: 5
Candidate Starts for Garnacho_174:
(Start: 5 @92644 has 13 MA's), (15, 92701), (18, 92731), (21, 92854), (22, 92902), (27, 93019), (33, 93070), (35, 93079),

Gene: GiJojo_174 Start: 94010, Stop: 94579, Start Num: 5
Candidate Starts for GiJojo_174:
(Start: 5 @94010 has 13 MA's), (15, 94067), (18, 94097), (20, 94187), (21, 94220), (22, 94268), (35, 94445),

Gene: Grayson_46 Start: 16195, Stop: 15629, Start Num: 4
Candidate Starts for Grayson_46:
(Start: 4 @16195 has 3 MA's), (33, 15757), (38, 15697), (42, 15637),

Gene: LuckySocke_182 Start: 92805, Stop: 93386, Start Num: 5
Candidate Starts for LuckySocke_182:
(Start: 5 @92805 has 13 MA's), (10, 92829), (18, 92892), (21, 93015), (22, 93063), (32, 93228), (33, 93243), (34, 93249), (43, 93378),

Gene: NiceHouse_39 Start: 16995, Stop: 16417, Start Num: 5
Candidate Starts for NiceHouse_39:
(Start: 5 @16995 has 13 MA's), (10, 16971), (19, 16827), (30, 16593),

Gene: Nova53_25 Start: 12099, Stop: 11551, Start Num: 5
Candidate Starts for Nova53_25:
(Start: 5 @12099 has 13 MA's), (Start: 8 @12081 has 1 MA's), (9, 12078), (12, 12054), (13, 12051), (14, 12045), (31, 11715), (39, 11622),

Gene: Park1214_186 Start: 94204, Stop: 94785, Start Num: 5
Candidate Starts for Park1214_186:
(Start: 5 @94204 has 13 MA's), (10, 94228), (18, 94291), (21, 94414), (23, 94465), (25, 94495), (32, 94627), (33, 94642), (34, 94648), (41, 94750),

Gene: Peregrin_44 Start: 15553, Stop: 14987, Start Num: 4
Candidate Starts for Peregrin_44:
(Start: 4 @15553 has 3 MA's), (33, 15115), (38, 15055), (42, 14995),

Gene: RegnumDei_104 Start: 57026, Stop: 57514, Start Num: 8
Candidate Starts for RegnumDei_104:
(2, 56960), (Start: 8 @57026 has 1 MA's), (16, 57068), (24, 57293),

Gene: Shagrat_107 Start: 56053, Stop: 56559, Start Num: 7
Candidate Starts for Shagrat_107:
(Start: 7 @56053 has 1 MA's), (16, 56101), (24, 56332), (28, 56434), (37, 56545),

Gene: Talos_184 Start: 92834, Stop: 93403, Start Num: 5
Candidate Starts for Talos_184:
(Start: 5 @92834 has 13 MA's), (11, 92876), (18, 92921), (21, 93044), (22, 93092), (33, 93260), (34, 93266), (41, 93368),

Gene: Trina_44 Start: 17405, Stop: 16815, Start Num: 5
Candidate Starts for Trina_44:
(3, 17438), (Start: 5 @17405 has 13 MA's), (6, 17399), (14, 17351), (16, 17345), (17, 17336), (19, 17237), (29, 17003),

Gene: Weasels2_46 Start: 16496, Stop: 15930, Start Num: 4
Candidate Starts for Weasels2_46:
(Start: 4 @16496 has 3 MA's), (33, 16058), (42, 15938),