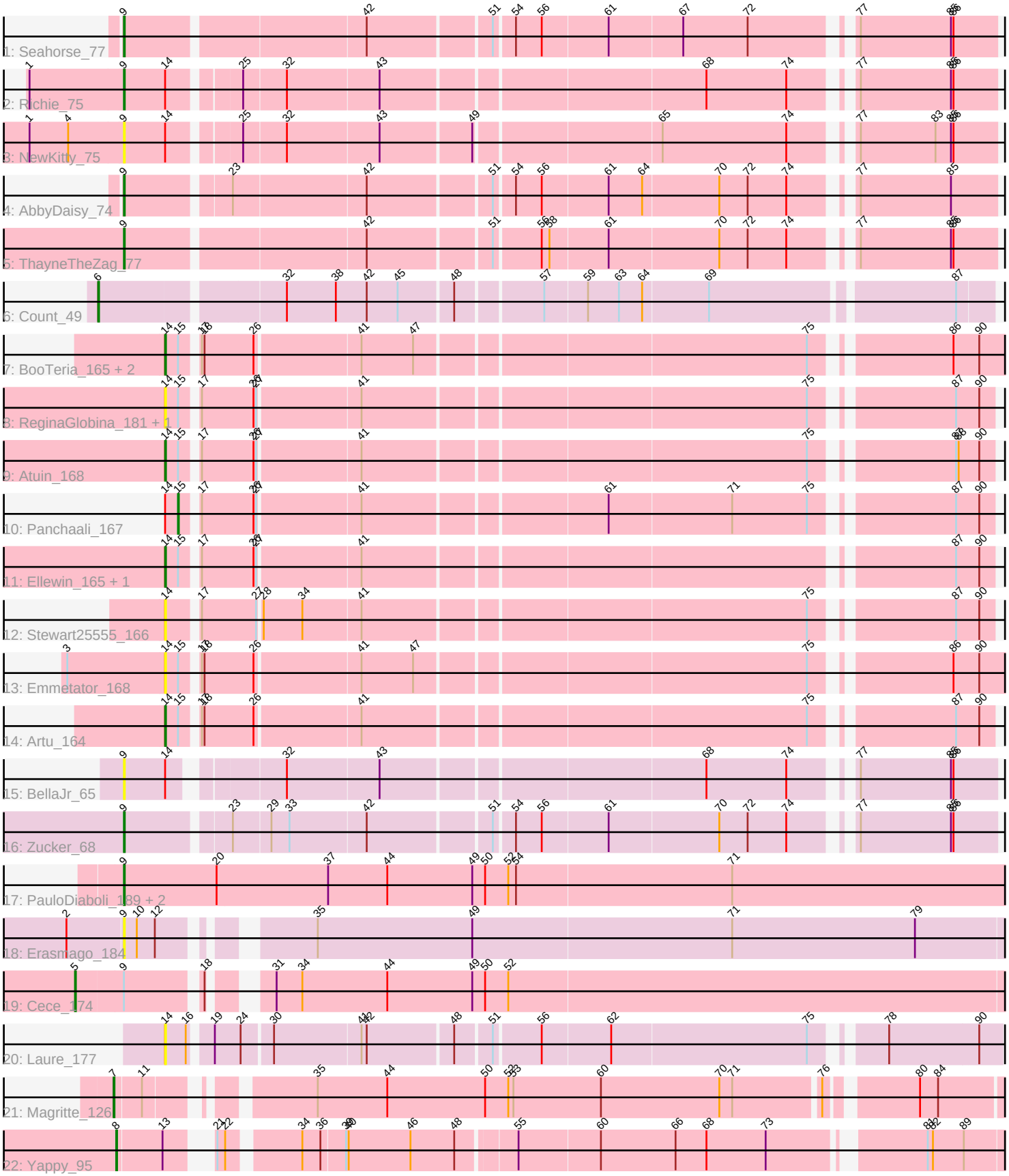
Pham 347925


1: Seahorse_77
2: Richie_75
3: NewKitty_75
4: AbbyDaisy_74
5: ThayneTheZag_77
6: Count_49
7: BooTeria_165 + 2
8: ReginaGlobina_181 + 1
9: Atuin_168
10: Panchaali_167
11: Ellewin_165 + 1
12: Stewart25555_166
13: Emmetator_168
14: Artu_164
15: BellaJr_65
16: Zucker_68
17: PauloDiaboli_189 + 2
18: Erasmago_184
19: Cece_174
20: Laure_177
21: Magritte_126
22: Yappy_95

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 347925 Report

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

Pham number 347925 has 28 members, 9 are drafts.

Phages represented in each track:
- Track 1 : Seahorse_77
- Track 2 : Richie_75
- Track 3 : NewKitty_75
- Track 4 : AbbyDaisy_74
- Track 5 : ThayneTheZag_77
- Track 6 : Count_49
- Track 7 : BooTeria_165, DunneganBoMo_165, WaddleDee_161
- Track 8 : ReginaGlobina_181, LeoJr_177
- Track 9 : Atuin_168
- Track 10 : Panchaali_167
- Track 11 : Ellewin_165, KSunshine22_170
- Track 12 : Stewart25555_166
- Track 13 : Emmetator_168
- Track 14 : Artu_164
- Track 15 : BellaJr_65
- Track 16 : Zucker_68
- Track 17 : PauloDiaboli_189, A3Wally_190, Dodo_185
- Track 18 : Erasmago_184
- Track 19 : Cece_174
- Track 20 : Laure_177
- Track 21 : Magritte_126
- Track 22 : Yappy_95

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 8 of the 19 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
- A3Wally_190, AbbyDaisy_74, BellaJr_65, Dodo_185, Erasmago_184, NewKitty_75, PauloDiaboli_189, Richie_75, Seahorse_77, ThayneTheZag_77, Zucker_68,

Genes that have the "Most Annotated" start but do not call it:
- Cece_174,

Genes that do not have the "Most Annotated" start:
• Artu_164, Atuin_168, BooTeria_165, Count_49, DunneganBoMo_165, Ellewin_165, Emmetator_168, KSunshine22_170, Laure_177, LeoJr_177, Magritte_126, Panchaali_167, ReginaGlobina_181, Stewart25555_166, WaddleDee_161, Yappy_95,

Summary by start number:

Start 5:
• Found in 1 of 28 (3.6%) of genes in pham
• Manual Annotations of this start: 1 of 19
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cece_174 (GD3),

Start 6:
• Found in 1 of 28 (3.6%) of genes in pham
• Manual Annotations of this start: 1 of 19
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Count_49 (EL),

Start 7:
• Found in 1 of 28 (3.6%) of genes in pham
• Manual Annotations of this start: 1 of 19
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Magritte_126 (singleton),

Start 8:
• Found in 1 of 28 (3.6%) of genes in pham
• Manual Annotations of this start: 1 of 19
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Yappy_95 (singleton),

Start 9:
• Found in 12 of 28 (42.9%) of genes in pham
• Manual Annotations of this start: 8 of 19
• Called 91.7% of time when present
• Phage (with cluster) where this start called: A3Wally_190 (GD1), AbbyDaisy_74 (AY), BellaJr_65 (FN), Dodo_185 (GD1), Erasmago_184 (GD2), NewKitty_75 (AY), PauloDiaboli_189 (GD1), Richie_75 (AY), Seahorse_77 (AY), ThayneTheZag_77 (AY), Zucker_68 (FN),

Start 14:
• Found in 16 of 28 (57.1%) of genes in pham
• Manual Annotations of this start: 6 of 19
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Artu_164 (FC), Atuin_168 (FC), BooTeria_165 (FC), DunneganBoMo_165 (FC), Ellewin_165 (FC), Emmetator_168 (FC), KSunshine22_170 (FC), Laure_177 (UNK), LeoJr_177 (FC), ReginaGlobina_181 (FC), Stewart25555_166 (FC), WaddleDee_161 (FC),

Start 15:
• Found in 11 of 28 (39.3%) of genes in pham

• Manual Annotations of this start: 1 of 19
• Called 9.1% of time when present
• Phage (with cluster) where this start called: Panchaali_167 (FC),

Summary by clusters:

There are 9 clusters represented in this pham: EL, GD2, GD3, GD1, singleton, FC, AY, UNK, FN,

Info for manual annotations of cluster AY:
•Start number 9 was manually annotated 4 times for cluster AY.

Info for manual annotations of cluster EL:
•Start number 6 was manually annotated 1 time for cluster EL.

Info for manual annotations of cluster FC:
•Start number 14 was manually annotated 6 times for cluster FC.
•Start number 15 was manually annotated 1 time for cluster FC.

Info for manual annotations of cluster FN:
•Start number 9 was manually annotated 1 time for cluster FN.

Info for manual annotations of cluster GD1:
•Start number 9 was manually annotated 3 times for cluster GD1.

Info for manual annotations of cluster GD3:
•Start number 5 was manually annotated 1 time for cluster GD3.

Gene Information:

Gene: A3Wally_190 Start: 102689, Stop: 103711, Start Num: 9
Candidate Starts for A3Wally_190:
(Start: 9 @102689 has 8 MA's), (20, 102797), (37, 102926), (44, 102995), (49, 103094), (50, 103109), (52, 103136), (54, 103145), (71, 103394),

Gene: AbbyDaisy_74 Start: 39315, Stop: 40253, Start Num: 9
Candidate Starts for AbbyDaisy_74:
(Start: 9 @39315 has 8 MA's), (23, 39426), (42, 39576), (51, 39711), (54, 39732), (56, 39762), (61, 39837), (64, 39876), (70, 39963), (72, 39996), (74, 40041), (77, 40095), (85, 40200),

Gene: Artu_164 Start: 114009, Stop: 114893, Start Num: 14
Candidate Starts for Artu_164:
(Start: 14 @114009 has 6 MA's), (Start: 15 @114024 has 1 MA's), (17, 114039), (18, 114042), (26, 114099), (41, 114216), (75, 114711), (87, 114852), (90, 114876),

Gene: Atuin_168 Start: 116616, Stop: 117500, Start Num: 14
Candidate Starts for Atuin_168:
(Start: 14 @116616 has 6 MA's), (Start: 15 @116631 has 1 MA's), (17, 116646), (26, 116706), (27, 116709), (41, 116823), (75, 117318), (87, 117459), (88, 117462), (90, 117483),

Gene: BellaJr_65 Start: 37396, Stop: 38322, Start Num: 9
Candidate Starts for BellaJr_65:
(Start: 9 @37396 has 8 MA's), (Start: 14 @37444 has 6 MA's), (32, 37555), (43, 37660), (68, 38017), (74, 38110), (77, 38164), (85, 38269), (86, 38272),

Gene: BooTeria_165 Start: 114178, Stop: 115080, Start Num: 14
Candidate Starts for BooTeria_165:
(Start: 14 @114178 has 6 MA's), (Start: 15 @114193 has 1 MA's), (17, 114208), (18, 114211), (26, 114268), (41, 114385), (47, 114445), (75, 114880), (86, 115018), (90, 115048),

Gene: Cece_174 Start: 106140, Stop: 107159, Start Num: 5
Candidate Starts for Cece_174:
(Start: 5 @106140 has 1 MA's), (Start: 9 @106194 has 8 MA's), (18, 106272), (31, 106317), (34, 106347), (44, 106446), (49, 106545), (50, 106560), (52, 106587),

Gene: Count_49 Start: 36742, Stop: 37719, Start Num: 6
Candidate Starts for Count_49:
(Start: 6 @36742 has 1 MA's), (32, 36943), (38, 37000), (42, 37036), (45, 37072), (48, 37132), (57, 37225), (59, 37273), (63, 37309), (64, 37336), (69, 37411), (87, 37678),

Gene: Dodo_185 Start: 102300, Stop: 103322, Start Num: 9
Candidate Starts for Dodo_185:
(Start: 9 @102300 has 8 MA's), (20, 102408), (37, 102537), (44, 102606), (49, 102705), (50, 102720), (52, 102747), (54, 102756), (71, 103005),

Gene: DunneganBoMo_165 Start: 113360, Stop: 114262, Start Num: 14
Candidate Starts for DunneganBoMo_165:
(Start: 14 @113360 has 6 MA's), (Start: 15 @113375 has 1 MA's), (17, 113390), (18, 113393), (26, 113450), (41, 113567), (47, 113627), (75, 114062), (86, 114200), (90, 114230),

Gene: Ellewin_165 Start: 113465, Stop: 114349, Start Num: 14
Candidate Starts for Ellewin_165:
(Start: 14 @113465 has 6 MA's), (Start: 15 @113480 has 1 MA's), (17, 113495), (26, 113555), (27, 113558), (41, 113672), (87, 114308), (90, 114332),

Gene: Emmetator_168 Start: 113676, Stop: 114578, Start Num: 14
Candidate Starts for Emmetator_168:
(3, 113565), (Start: 14 @113676 has 6 MA's), (Start: 15 @113691 has 1 MA's), (17, 113706), (18, 113709), (26, 113766), (41, 113883), (47, 113943), (75, 114378), (86, 114516), (90, 114546),

Gene: Erasmago_184 Start: 99591, Stop: 100556, Start Num: 9
Candidate Starts for Erasmago_184:
(2, 99528), (Start: 9 @99591 has 8 MA's), (10, 99606), (12, 99627), (35, 99762), (49, 99942), (71, 100242), (79, 100455),

Gene: KSunshine22_170 Start: 114423, Stop: 115307, Start Num: 14
Candidate Starts for KSunshine22_170:
(Start: 14 @114423 has 6 MA's), (Start: 15 @114438 has 1 MA's), (17, 114453), (26, 114513), (27, 114516), (41, 114630), (87, 115266), (90, 115290),

Gene: Laure_177 Start: 108413, Stop: 109306, Start Num: 14
Candidate Starts for Laure_177:

(Start: 14 @108413 has 6 MA's), (16, 108437), (19, 108458), (24, 108488), (30, 108521), (41, 108620), (42, 108626), (48, 108722), (51, 108761), (56, 108812), (62, 108890), (75, 109115), (78, 109178), (90, 109280),

Gene: LeoJr_177 Start: 117236, Stop: 118120, Start Num: 14
Candidate Starts for LeoJr_177:
(Start: 14 @117236 has 6 MA's), (Start: 15 @117251 has 1 MA's), (17, 117266), (26, 117326), (27, 117329), (41, 117443), (75, 117938), (87, 118079), (90, 118103),

Gene: Magritte_126 Start: 81292, Stop: 82236, Start Num: 7
Candidate Starts for Magritte_126:
(Start: 7 @81292 has 1 MA's), (11, 81322), (35, 81475), (44, 81556), (50, 81670), (52, 81697), (53, 81703), (60, 81805), (70, 81943), (71, 81958), (76, 82054), (80, 82144), (84, 82165),

Gene: NewKitty_75 Start: 39550, Stop: 40485, Start Num: 9
Candidate Starts for NewKitty_75:
(1, 39442), (4, 39487), (Start: 9 @39550 has 8 MA's), (Start: 14 @39598 has 6 MA's), (25, 39670), (32, 39718), (43, 39823), (49, 39925), (65, 40129), (74, 40273), (77, 40327), (83, 40414), (85, 40432), (86, 40435),

Gene: Panchaali_167 Start: 114299, Stop: 115168, Start Num: 15
Candidate Starts for Panchaali_167:
(Start: 14 @114284 has 6 MA's), (Start: 15 @114299 has 1 MA's), (17, 114314), (26, 114374), (27, 114377), (41, 114491), (61, 114758), (71, 114899), (75, 114986), (87, 115127), (90, 115151),

Gene: PauloDiaboli_189 Start: 100735, Stop: 101757, Start Num: 9
Candidate Starts for PauloDiaboli_189:
(Start: 9 @100735 has 8 MA's), (20, 100843), (37, 100972), (44, 101041), (49, 101140), (50, 101155), (52, 101182), (54, 101191), (71, 101440),

Gene: ReginaGlobina_181 Start: 118509, Stop: 119393, Start Num: 14
Candidate Starts for ReginaGlobina_181:
(Start: 14 @118509 has 6 MA's), (Start: 15 @118524 has 1 MA's), (17, 118539), (26, 118599), (27, 118602), (41, 118716), (75, 119211), (87, 119352), (90, 119376),

Gene: Richie_75 Start: 39499, Stop: 40434, Start Num: 9
Candidate Starts for Richie_75:
(1, 39391), (Start: 9 @39499 has 8 MA's), (Start: 14 @39547 has 6 MA's), (25, 39619), (32, 39667), (43, 39772), (68, 40129), (74, 40222), (77, 40276), (85, 40381), (86, 40384),

Gene: Seahorse_77 Start: 40625, Stop: 41566, Start Num: 9
Candidate Starts for Seahorse_77:
(Start: 9 @40625 has 8 MA's), (42, 40889), (51, 41024), (54, 41045), (56, 41075), (61, 41150), (67, 41234), (72, 41309), (77, 41408), (85, 41513), (86, 41516),

Gene: Stewart25555_166 Start: 115559, Stop: 116443, Start Num: 14
Candidate Starts for Stewart25555_166:
(Start: 14 @115559 has 6 MA's), (17, 115589), (27, 115652), (28, 115655), (34, 115700), (41, 115766), (75, 116261), (87, 116402), (90, 116426),

Gene: ThayneTheZag_77 Start: 38547, Stop: 39488, Start Num: 9
Candidate Starts for ThayneTheZag_77:

(Start: 9 @38547 has 8 MA's), (42, 38811), (51, 38946), (56, 38997), (58, 39006), (61, 39072), (70, 39198), (72, 39231), (74, 39276), (77, 39330), (85, 39435), (86, 39438),

Gene: WaddleDee_161 Start: 112633, Stop: 113535, Start Num: 14
Candidate Starts for WaddleDee_161:
(Start: 14 @112633 has 6 MA's), (Start: 15 @112648 has 1 MA's), (17, 112663), (18, 112666), (26, 112723), (41, 112840), (47, 112900), (75, 113335), (86, 113473), (90, 113503),

Gene: Yappy_95 Start: 47616, Stop: 46690, Start Num: 8
Candidate Starts for Yappy_95:
(Start: 8 @47616 has 1 MA's), (13, 47565), (21, 47535), (22, 47526), (34, 47454), (36, 47433), (39, 47406), (40, 47403), (46, 47331), (48, 47280), (55, 47217), (60, 47124), (66, 47037), (68, 47001), (73, 46932), (81, 46776), (82, 46770), (89, 46734),

Gene: Zucker_68 Start: 39312, Stop: 40250, Start Num: 9
Candidate Starts for Zucker_68:
(Start: 9 @39312 has 8 MA's), (23, 39423), (29, 39465), (33, 39486), (42, 39573), (51, 39708), (54, 39729), (56, 39759), (61, 39834), (70, 39960), (72, 39993), (74, 40038), (77, 40092), (85, 40197), (86, 40200),