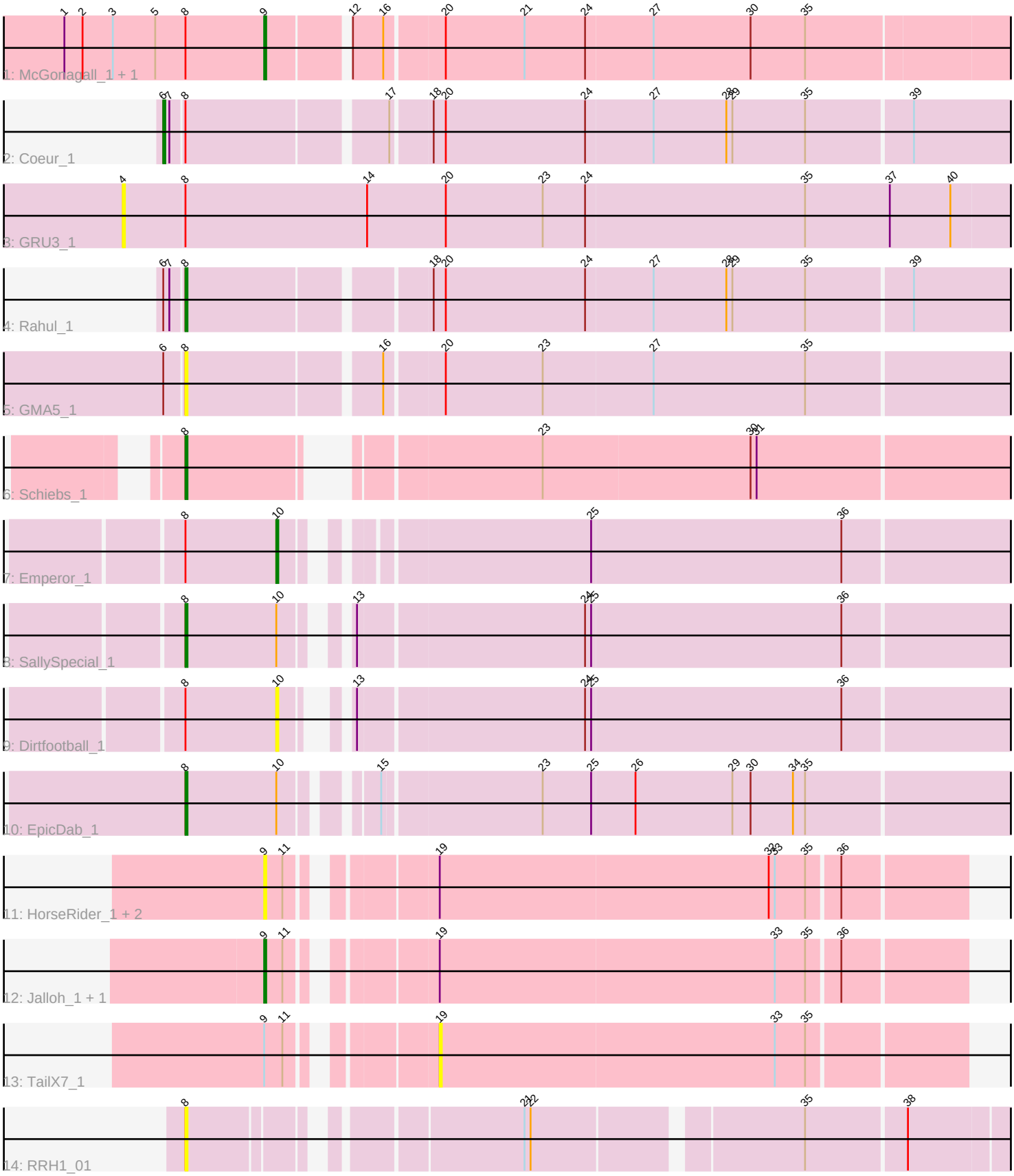
Pham 348101


1: McGonagall_1 + 1
2: Coeur_1
3: GRU3_1
4: Rahul_1
5: GMA5_1
6: Schiebs_1
7: Emperor_1
8: SallySpecial_1
9: Dirtfootball_1
10: EpicDab_1
11: HorseRider_1 + 2
12: Jalloh_1 + 1
13: TailX7_1
14: RRH1_01

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 348101 Report

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

Pham number 348101 has 18 members, 9 are drafts.

Phages represented in each track:
• Track 1 : McGonagall_1, Jeanie_1
• Track 2 : Coeur_1
• Track 3 : GRU3_1
• Track 4 : Rahul_1
• Track 5 : GMA5_1
• Track 6 : Schiebs_1
• Track 7 : Emperor_1
• Track 8 : SallySpecial_1
• Track 9 : Dirtfootball_1
• Track 10 : EpicDab_1
• Track 11 : HorseRider_1, Flashwig_1, CarefulCloud_1
• Track 12 : Jalloh_1, CyranoPS_1
• Track 13 : TailX7_1
• Track 14 : RRH1_01

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

The start number called the most often in the published annotations is 8, it was called in 4 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• EpicDab_1, GMA5_1, RRH1_01, Rahul_1, SallySpecial_1, Schiebs_1,

Genes that have the "Most Annotated" start but do not call it:
• Coeur_1, Dirtfootball_1, Emperor_1, GRU3_1, Jeanie_1, McGonagall_1,

Genes that do not have the "Most Annotated" start:
• CarefulCloud_1, CyranoPS_1, Flashwig_1, HorseRider_1, Jalloh_1, TailX7_1,

Summary by start number:

Start 4:
• Found in 1 of 18 (5.6%) of genes in pham
• No Manual Annotations of this start.

• Called 100.0% of time when present
• Phage (with cluster) where this start called: GRU3_1 (CW2),

Start 6:
• Found in 3 of 18 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Coeur_1 (CW2),

Start 8:
• Found in 12 of 18 (66.7%) of genes in pham
• Manual Annotations of this start: 4 of 9
• Called 50.0% of time when present
• Phage (with cluster) where this start called: EpicDab_1 (DM), GMA5_1 (CW2), RRH1_01 (singleton), Rahul_1 (CW2), SallySpecial_1 (DM), Schiebs_1 (CW3),

Start 9:
• Found in 8 of 18 (44.4%) of genes in pham
• Manual Annotations of this start: 3 of 9
• Called 87.5% of time when present
• Phage (with cluster) where this start called: CarefulCloud_1 (ER), CyranoPS_1 (ER), Flashwig_1 (ER), HorseRider_1 (ER), Jalloh_1 (ER), Jeanie_1 (CW1), McGonagall_1 (CW1),

Start 10:
• Found in 4 of 18 (22.2%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Dirtfootball_1 (DM), Emperor_1 (DM),

Start 19:
• Found in 6 of 18 (33.3%) of genes in pham
• No Manual Annotations of this start.
• Called 16.7% of time when present
• Phage (with cluster) where this start called: TailX7_1 (ER),

Summary by clusters:

There are 6 clusters represented in this pham: singleton, DM, CW1, CW3, CW2, ER,

Info for manual annotations of cluster CW1:
•Start number 9 was manually annotated 2 times for cluster CW1.

Info for manual annotations of cluster CW2:
•Start number 6 was manually annotated 1 time for cluster CW2.
•Start number 8 was manually annotated 1 time for cluster CW2.

Info for manual annotations of cluster CW3:
•Start number 8 was manually annotated 1 time for cluster CW3.

Info for manual annotations of cluster DM:
•Start number 8 was manually annotated 2 times for cluster DM.
•Start number 10 was manually annotated 1 time for cluster DM.

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

Gene Information:

Gene: CarefulCloud_1 Start: 77, Stop: 397, Start Num: 9
Candidate Starts for CarefulCloud_1:
(Start: 9 @77 has 3 MA's), (11, 86), (19, 143), (32, 305), (33, 308), (35, 323), (36, 338),

Gene: Coeur_1 Start: 105, Stop: 551, Start Num: 6
Candidate Starts for Coeur_1:
(Start: 6 @105 has 1 MA's), (7, 108), (Start: 8 @114 has 4 MA's), (17, 207), (18, 225), (20, 231), (24, 300), (27, 333), (28, 369), (29, 372), (35, 408), (39, 459),

Gene: CyranoPS_1 Start: 77, Stop: 397, Start Num: 9
Candidate Starts for CyranoPS_1:
(Start: 9 @77 has 3 MA's), (11, 86), (19, 143), (33, 308), (35, 323), (36, 338),

Gene: Dirtfootball_1 Start: 128, Stop: 475, Start Num: 10
Candidate Starts for Dirtfootball_1:
(Start: 8 @83 has 4 MA's), (Start: 10 @128 has 1 MA's), (13, 146), (24, 254), (25, 257), (36, 380),

Gene: Emperor_1 Start: 128, Stop: 475, Start Num: 10
Candidate Starts for Emperor_1:
(Start: 8 @83 has 4 MA's), (Start: 10 @128 has 1 MA's), (25, 257), (36, 380),

Gene: EpicDab_1 Start: 89, Stop: 517, Start Num: 8
Candidate Starts for EpicDab_1:
(Start: 8 @89 has 4 MA's), (Start: 10 @134 has 1 MA's), (15, 170), (23, 245), (25, 269), (26, 290), (29, 338), (30, 347), (34, 368), (35, 374),

Gene: Flashwig_1 Start: 77, Stop: 397, Start Num: 9
Candidate Starts for Flashwig_1:
(Start: 9 @77 has 3 MA's), (11, 86), (19, 143), (32, 305), (33, 308), (35, 323), (36, 338),

Gene: GMA5_1 Start: 93, Stop: 500, Start Num: 8
Candidate Starts for GMA5_1:
(Start: 6 @84 has 1 MA's), (Start: 8 @93 has 4 MA's), (16, 183), (20, 210), (23, 258), (27, 312), (35, 387),

Gene: GRU3_1 Start: 65, Stop: 502, Start Num: 4
Candidate Starts for GRU3_1:
(4, 65), (Start: 8 @95 has 4 MA's), (14, 185), (20, 224), (23, 272), (24, 293), (35, 401), (37, 443), (40, 473),

Gene: HorseRider_1 Start: 77, Stop: 397, Start Num: 9
Candidate Starts for HorseRider_1:
(Start: 9 @77 has 3 MA's), (11, 86), (19, 143), (32, 305), (33, 308), (35, 323), (36, 338),

Gene: Jalloh_1 Start: 76, Stop: 396, Start Num: 9

Candidate Starts for Jalloh_1:
(Start: 9 @76 has 3 MA's), (11, 85), (19, 142), (33, 307), (35, 322), (36, 337),

Gene: Jeanie_1 Start: 192, Stop: 554, Start Num: 9
Candidate Starts for Jeanie_1:
(1, 93), (2, 102), (3, 117), (5, 138), (Start: 8 @153 has 4 MA's), (Start: 9 @192 has 3 MA's), (12, 228), (16, 243), (20, 270), (21, 309), (24, 339), (27, 372), (30, 420), (35, 447),

Gene: McGonagall_1 Start: 192, Stop: 554, Start Num: 9
Candidate Starts for McGonagall_1:
(1, 93), (2, 102), (3, 117), (5, 138), (Start: 8 @153 has 4 MA's), (Start: 9 @192 has 3 MA's), (12, 228), (16, 243), (20, 270), (21, 309), (24, 339), (27, 372), (30, 420), (35, 447),

Gene: RRH1_01 Start: 219, Stop: 599, Start Num: 8
Candidate Starts for RRH1_01:
(Start: 8 @219 has 4 MA's), (21, 360), (22, 363), (35, 486), (38, 534),

Gene: Rahul_1 Start: 114, Stop: 551, Start Num: 8
Candidate Starts for Rahul_1:
(Start: 6 @105 has 1 MA's), (7, 108), (Start: 8 @114 has 4 MA's), (18, 225), (20, 231), (24, 300), (27, 333), (28, 369), (29, 372), (35, 408), (39, 459),

Gene: SallySpecial_1 Start: 83, Stop: 478, Start Num: 8
Candidate Starts for SallySpecial_1:
(Start: 8 @83 has 4 MA's), (Start: 10 @128 has 1 MA's), (13, 149), (24, 257), (25, 260), (36, 383),

Gene: Schiebs_1 Start: 69, Stop: 476, Start Num: 8
Candidate Starts for Schiebs_1:
(Start: 8 @69 has 4 MA's), (23, 213), (30, 315), (31, 318),

Gene: TailX7_1 Start: 143, Stop: 397, Start Num: 19
Candidate Starts for TailX7_1:
(Start: 9 @77 has 3 MA's), (11, 86), (19, 143), (33, 308), (35, 323),