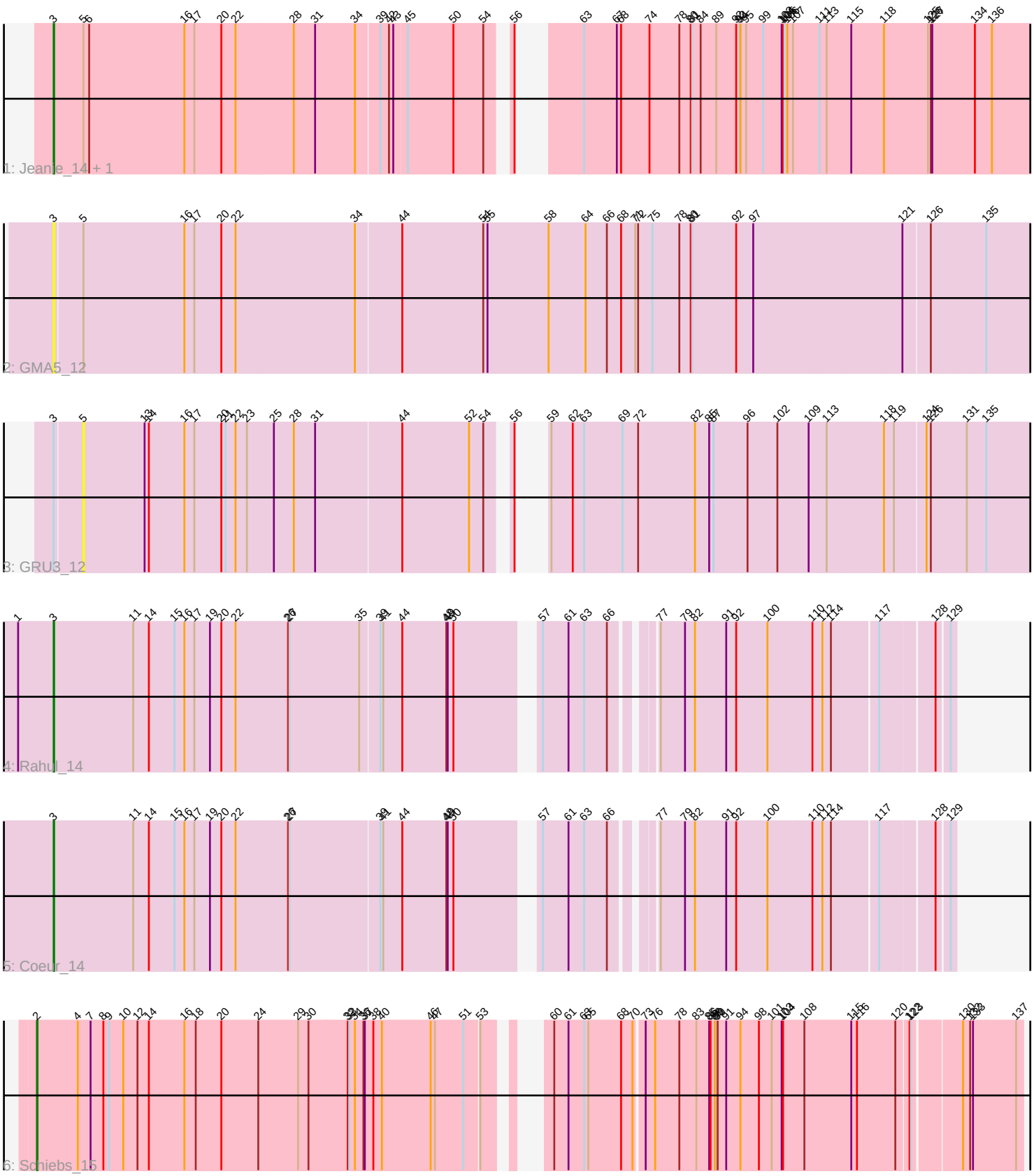
Pham 348341


1: Jeanie_14 + 1
2: GMA5_12
3: GRU3_12
4: Rahul_14
5: Coeur_14
6: Schiebs_15

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 348341 Report

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

Pham number 348341 has 7 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Jeanie_14, McGonagall_14
• Track 2 : GMA5_12
• Track 3 : GRU3_12
• Track 4 : Rahul_14
• Track 5 : Coeur_14
• Track 6 : Schiebs_15

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

The start number called the most often in the published annotations is 3, it was called in 4 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Coeur_14, GMA5_12, Jeanie_14, McGonagall_14, Rahul_14,

Genes that have the "Most Annotated" start but do not call it:
• GRU3_12,

Genes that do not have the "Most Annotated" start:
• Schiebs_15,

Summary by start number:

Start 2:
• Found in 1 of 7 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Schiebs_15 (CW3),

Start 3:
• Found in 6 of 7 (85.7%) of genes in pham
• Manual Annotations of this start: 4 of 5
• Called 83.3% of time when present

• Phage (with cluster) where this start called: Coeur_14 (CW2), GMA5_12 (CW2), Jeanie_14 (CW1), McGonagall_14 (CW1), Rahul_14 (CW2),

Start 5:
• Found in 4 of 7 (57.1%) of genes in pham
• No Manual Annotations of this start.
• Called 25.0% of time when present
• Phage (with cluster) where this start called: GRU3_12 (CW2),

Summary by clusters:

There are 3 clusters represented in this pham: CW1, CW3, CW2,

Info for manual annotations of cluster CW1:
•Start number 3 was manually annotated 2 times for cluster CW1.

Info for manual annotations of cluster CW2:
•Start number 3 was manually annotated 2 times for cluster CW2.

Info for manual annotations of cluster CW3:
•Start number 2 was manually annotated 1 time for cluster CW3.

Gene Information:

Gene: Coeur_14 Start: 8124, Stop: 9875, Start Num: 3
Candidate Starts for Coeur_14:
(Start: 3 @8124 has 4 MA's), (11, 8289), (14, 8322), (15, 8376), (16, 8397), (17, 8418), (19, 8448), (20, 8472), (22, 8502), (26, 8610), (27, 8613), (39, 8799), (41, 8805), (44, 8841), (48, 8934), (49, 8937), (50, 8949), (57, 9093), (61, 9144), (63, 9177), (66, 9225), (77, 9294), (79, 9345), (82, 9366), (91, 9432), (92, 9453), (100, 9519), (110, 9612), (112, 9633), (114, 9651), (117, 9738), (128, 9840), (129, 9864),

Gene: GMA5_12 Start: 7975, Stop: 10002, Start Num: 3
Candidate Starts for GMA5_12:
(Start: 3 @7975 has 4 MA's), (5, 8032), (16, 8245), (17, 8266), (20, 8320), (22, 8350), (34, 8599), (44, 8689), (54, 8860), (55, 8869), (58, 8998), (64, 9073), (66, 9118), (68, 9148), (71, 9178), (72, 9184), (75, 9214), (78, 9271), (80, 9295), (81, 9298), (92, 9391), (97, 9427), (121, 9736), (126, 9790), (135, 9895),

Gene: GRU3_12 Start: 8095, Stop: 9960, Start Num: 5
Candidate Starts for GRU3_12:
(Start: 3 @8038 has 4 MA's), (5, 8095), (13, 8224), (14, 8233), (16, 8308), (17, 8329), (20, 8383), (21, 8392), (22, 8413), (23, 8437), (25, 8491), (28, 8533), (31, 8578), (44, 8752), (52, 8893), (54, 8923), (56, 8953), (59, 8959), (62, 9001), (63, 9025), (69, 9106), (72, 9139), (82, 9259), (85, 9289), (87, 9298), (96, 9370), (102, 9433), (109, 9499), (113, 9535), (118, 9652), (119, 9673), (124, 9736), (126, 9745), (131, 9817), (135, 9853),

Gene: Jeanie_14 Start: 7939, Stop: 9900, Start Num: 3
Candidate Starts for Jeanie_14:
(Start: 3 @7939 has 4 MA's), (5, 8002), (6, 8014), (16, 8215), (17, 8236), (20, 8290), (22, 8320), (28, 8440), (31, 8485), (34, 8569), (39, 8617), (42, 8635), (43, 8644), (45, 8671), (50, 8767), (54, 8830), (56, 8860), (63, 8932), (67, 9001), (68, 9010), (74, 9070), (78, 9133), (80, 9157), (81, 9160), (84, 9178), (89, 9211), (92, 9253), (93, 9259), (94, 9262), (95, 9274), (99, 9310), (103, 9349), (104, 9352), (105, 9355),

(106, 9361), (107, 9373), (111, 9427), (113, 9442), (115, 9493), (118, 9559), (125, 9652), (126, 9658), (127, 9661), (134, 9751), (136, 9787),

Gene: McGonagall_14 Start: 7939, Stop: 9900, Start Num: 3
Candidate Starts for McGonagall_14:
(Start: 3 @7939 has 4 MA's), (5, 8002), (6, 8014), (16, 8215), (17, 8236), (20, 8290), (22, 8320), (28, 8440), (31, 8485), (34, 8569), (39, 8617), (42, 8635), (43, 8644), (45, 8671), (50, 8767), (54, 8830), (56, 8860), (63, 8932), (67, 9001), (68, 9010), (74, 9070), (78, 9133), (80, 9157), (81, 9160), (84, 9178), (89, 9211), (92, 9253), (93, 9259), (94, 9262), (95, 9274), (99, 9310), (103, 9349), (104, 9352), (105, 9355), (106, 9361), (107, 9373), (111, 9427), (113, 9442), (115, 9493), (118, 9559), (125, 9652), (126, 9658), (127, 9661), (134, 9751), (136, 9787),

Gene: Rahul_14 Start: 8145, Stop: 9896, Start Num: 3
Candidate Starts for Rahul_14:
(1, 8070), (Start: 3 @8145 has 4 MA's), (11, 8310), (14, 8343), (15, 8397), (16, 8418), (17, 8439), (19, 8469), (20, 8493), (22, 8523), (26, 8631), (27, 8634), (35, 8781), (39, 8820), (41, 8826), (44, 8862), (48, 8955), (49, 8958), (50, 8970), (57, 9114), (61, 9165), (63, 9198), (66, 9246), (77, 9315), (79, 9366), (82, 9387), (91, 9453), (92, 9474), (100, 9540), (110, 9633), (112, 9654), (114, 9672), (117, 9759), (128, 9861), (129, 9885),

Gene: Schiebs_15 Start: 7731, Stop: 9656, Start Num: 2
Candidate Starts for Schiebs_15:
(Start: 2 @7731 has 1 MA's), (4, 7812), (7, 7836), (8, 7863), (9, 7875), (10, 7905), (12, 7935), (14, 7959), (16, 8034), (18, 8058), (20, 8112), (24, 8190), (29, 8274), (30, 8295), (32, 8376), (33, 8379), (34, 8391), (36, 8409), (37, 8412), (38, 8430), (40, 8448), (46, 8550), (47, 8559), (51, 8619), (53, 8649), (60, 8715), (61, 8745), (63, 8778), (65, 8787), (68, 8853), (70, 8877), (73, 8895), (76, 8913), (78, 8961), (83, 8997), (85, 9024), (86, 9027), (88, 9036), (89, 9039), (90, 9042), (91, 9060), (94, 9090), (98, 9126), (101, 9153), (103, 9174), (104, 9177), (108, 9222), (115, 9318), (116, 9330), (120, 9411), (122, 9435), (123, 9438), (130, 9531), (132, 9546), (133, 9552), (137, 9642),