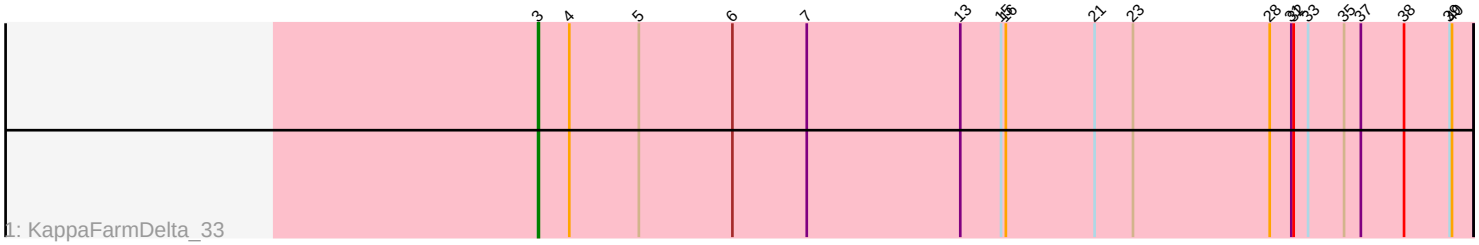
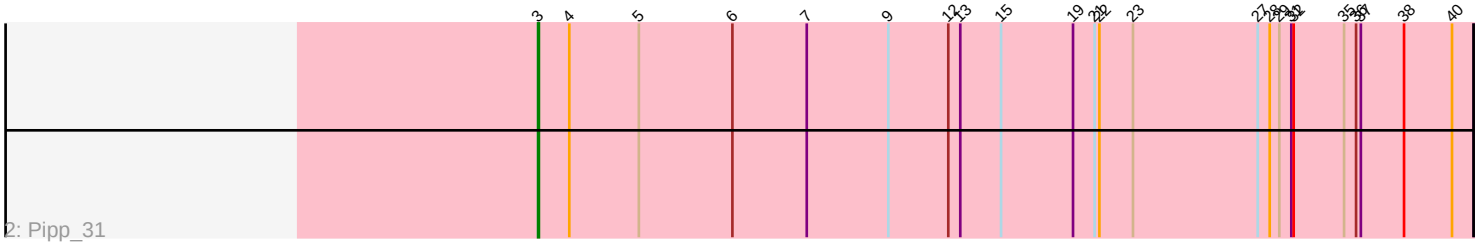
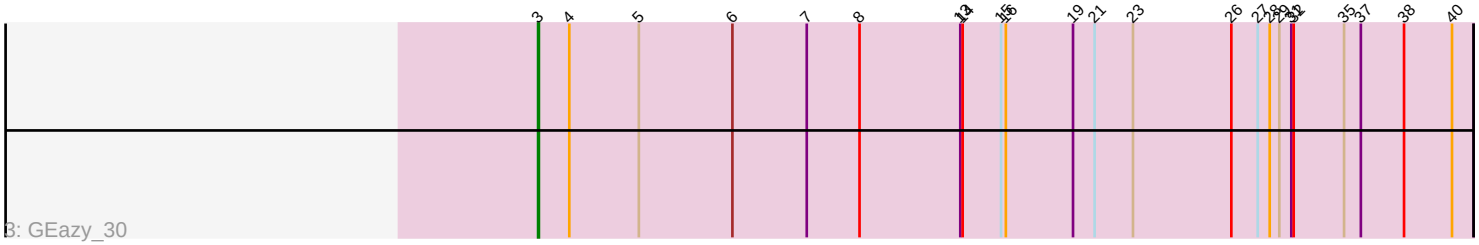
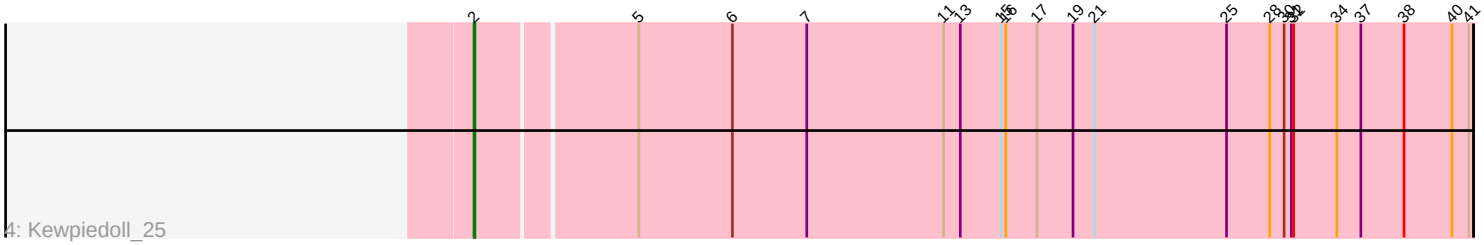
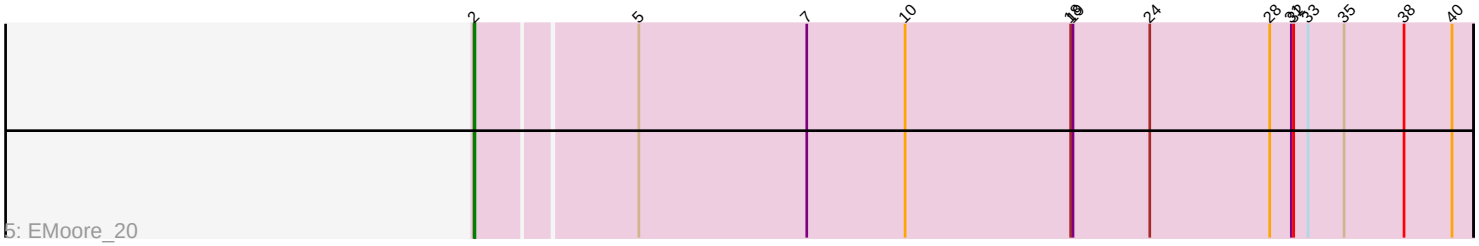
Pham 7611

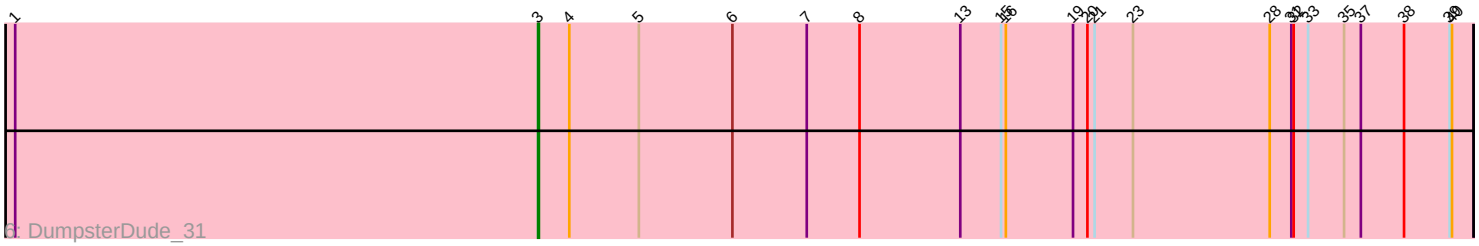

1: KappaFarmDelta_33


2: Pipp_31


3: GEazy_30


4: Kewpiedoll_25


5: EMoore_20


6: DumpsterDude_31

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 7611 Report

This analysis was run 04/28/24 on database version 559.

Pham number 7611 has 6 members, 0 are drafts.

Phages represented in each track:
• Track 1 : KappaFarmDelta_33
• Track 2 : Pipp_31
• Track 3 : GEazy_30
• Track 4 : Kewpiedoll_25
• Track 5 : EMoore_20
• Track 6 : DumpsterDude_31

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 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• DumpsterDude_31, GEazy_30, KappaFarmDelta_33, Pipp_31,

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

Genes that do not have the "Most Annotated" start:
• EMoore_20, Kewpiedoll_25,

Summary by start number:

Start 2:
• Found in 2 of 6 (33.3%) of genes in pham
• Manual Annotations of this start: 2 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: EMoore_20 (DE2), Kewpiedoll_25 (DE1),

Start 3:
• Found in 4 of 6 (66.7%) of genes in pham
• Manual Annotations of this start: 4 of 6
• Called 100.0% of time when present

• Phage (with cluster) where this start called: DumpsterDude_31 (DW), GEazy_30 (DB), KappaFarmDelta_33 (CV), Pipp_31 (CV),

Summary by clusters:

There are 5 clusters represented in this pham: DW, DE2, DB, CV, DE1,

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

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

Info for manual annotations of cluster DE1:
•Start number 2 was manually annotated 1 time for cluster DE1.

Info for manual annotations of cluster DE2:
•Start number 2 was manually annotated 1 time for cluster DE2.

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

Gene Information:

Gene: DumpsterDude_31 Start: 27356, Stop: 28525, Start Num: 3
Candidate Starts for DumpsterDude_31:
(1, 26702), (Start: 3 @27356 has 4 MA's), (4, 27395), (5, 27482), (6, 27599), (7, 27692), (8, 27758), (13, 27884), (15, 27935), (16, 27941), (19, 28025), (20, 28043), (21, 28052), (23, 28100), (28, 28271), (31, 28298), (32, 28301), (33, 28319), (35, 28364), (37, 28385), (38, 28439), (39, 28496), (40, 28499),

Gene: EMoore_20 Start: 17259, Stop: 18491, Start Num: 2
Candidate Starts for EMoore_20:
(Start: 2 @17259 has 2 MA's), (5, 17448), (7, 17658), (10, 17781), (18, 17988), (19, 17991), (24, 18087), (28, 18237), (31, 18264), (32, 18267), (33, 18285), (35, 18330), (38, 18405), (40, 18465),

Gene: GEazy_30 Start: 24987, Stop: 26156, Start Num: 3
Candidate Starts for GEazy_30:
(Start: 3 @24987 has 4 MA's), (4, 25026), (5, 25113), (6, 25230), (7, 25323), (8, 25389), (13, 25515), (14, 25518), (15, 25566), (16, 25572), (19, 25656), (21, 25683), (23, 25731), (26, 25854), (27, 25887), (28, 25902), (29, 25914), (31, 25929), (32, 25932), (35, 25995), (37, 26016), (38, 26070), (40, 26130),

Gene: KappaFarmDelta_33 Start: 25961, Stop: 27130, Start Num: 3
Candidate Starts for KappaFarmDelta_33:
(Start: 3 @25961 has 4 MA's), (4, 26000), (5, 26087), (6, 26204), (7, 26297), (13, 26489), (15, 26540), (16, 26546), (21, 26657), (23, 26705), (28, 26876), (31, 26903), (32, 26906), (33, 26924), (35, 26969), (37, 26990), (38, 27044), (39, 27101), (40, 27104),

Gene: Kewpiedoll_25 Start: 19354, Stop: 20586, Start Num: 2
Candidate Starts for Kewpiedoll_25:
(Start: 2 @19354 has 2 MA's), (5, 19543), (6, 19660), (7, 19753), (11, 19924), (13, 19945), (15, 19996), (16, 20002), (17, 20041), (19, 20086), (21, 20113), (25, 20278), (28, 20332), (30, 20350), (31,

20359), (32, 20362), (34, 20416), (37, 20446), (38, 20500), (40, 20560), (41, 20581),

Gene: Pipp_31 Start: 26106, Stop: 27275, Start Num: 3
Candidate Starts for Pipp_31:
(Start: 3 @26106 has 4 MA's), (4, 26145), (5, 26232), (6, 26349), (7, 26442), (9, 26544), (12, 26619), (13, 26634), (15, 26685), (19, 26775), (21, 26802), (22, 26808), (23, 26850), (27, 27006), (28, 27021), (29, 27033), (31, 27048), (32, 27051), (35, 27114), (36, 27129), (37, 27135), (38, 27189), (40, 27249),