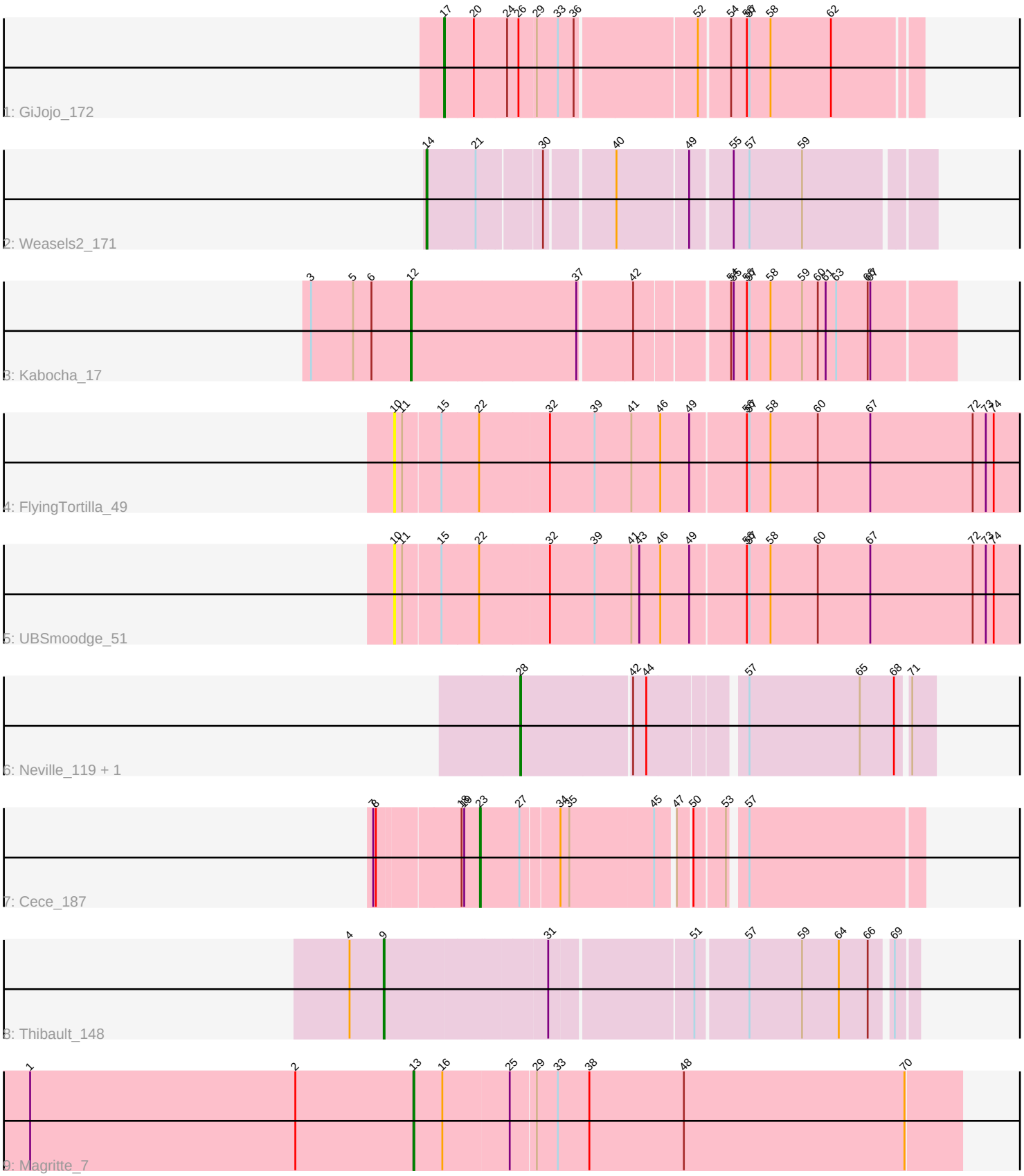
Pham 156855


1: GiJojo_172
2: Weasels2_171
3: Kabocha_17
4: FlyingTortilla_49
5: UBSmoodge_51
6: Neville_119 + 1
7: Cece_187
8: Thibault_148
9: Magritte_7

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 156855 Report

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

Pham number 156855 has 10 members, 2 are drafts.

Phages represented in each track:
• Track 1 : GiJojo_172
• Track 2 : Weasels2_171
• Track 3 : Kabocha_17
• Track 4 : FlyingTortilla_49
• Track 5 : UBSmoodge_51
• Track 6 : Neville_119, Trax_120
• Track 7 : Cece_187
• Track 8 : Thibault_148
• Track 9 : Magritte_7

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

The start number called the most often in the published annotations is 28, it was called in 2 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Neville_119, Trax_120,

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

Genes that do not have the "Most Annotated" start:
• Cece_187, FlyingTortilla_49, GiJojo_172, Kabocha_17, Magritte_7, Thibault_148, UBSmoodge_51, Weasels2_171,

Summary by start number:

Start 9:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Thibault_148 (J),

Start 10:

• Found in 2 of 10 (20.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: FlyingTortilla_49 (DQ), UBSmoodge_51 (DQ),

Start 12:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kabocha_17 (DQ),

Start 13:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Magritte_7 (singleton),

Start 14:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Weasels2_171 (CB),

Start 17:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GiJojo_172 (BS),

Start 23:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cece_187 (GD3),

Start 28:
• Found in 2 of 10 (20.0%) of genes in pham
• Manual Annotations of this start: 2 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Neville_119 (DU2), Trax_120 (DU2),

Summary by clusters:

There are 7 clusters represented in this pham: singleton, GD3, CB, J, BS, DU2, DQ,

Info for manual annotations of cluster BS:
•Start number 17 was manually annotated 1 time for cluster BS.

Info for manual annotations of cluster CB:
•Start number 14 was manually annotated 1 time for cluster CB.

Info for manual annotations of cluster DQ:

•Start number 12 was manually annotated 1 time for cluster DQ.

Info for manual annotations of cluster DU2:
•Start number 28 was manually annotated 2 times for cluster DU2.

Info for manual annotations of cluster GD3:
•Start number 23 was manually annotated 1 time for cluster GD3.

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

Gene Information:

Gene: Cece_187 Start: 114127, Stop: 113666, Start Num: 23
Candidate Starts for Cece_187:
(7, 114241), (8, 114238), (18, 114148), (19, 114145), (Start: 23 @114127 has 1 MA's), (27, 114082), (34, 114043), (35, 114034), (45, 113941), (47, 113923), (50, 113908), (53, 113875), (57, 113860),

Gene: FlyingTortilla_49 Start: 40285, Stop: 40998, Start Num: 10
Candidate Starts for FlyingTortilla_49:
(10, 40285), (11, 40294), (15, 40336), (22, 40378), (32, 40453), (39, 40504), (41, 40546), (46, 40579), (49, 40612), (56, 40672), (57, 40675), (58, 40699), (60, 40753), (67, 40813), (72, 40930), (73, 40945), (74, 40954),

Gene: GiJojo_172 Start: 92929, Stop: 93441, Start Num: 17
Candidate Starts for GiJojo_172:
(Start: 17 @92929 has 1 MA's), (20, 92962), (24, 92998), (26, 93010), (29, 93028), (33, 93052), (36, 93070), (52, 93199), (54, 93232), (56, 93250), (57, 93253), (58, 93277), (62, 93346),

Gene: Kabocha_17 Start: 7748, Stop: 8341, Start Num: 12
Candidate Starts for Kabocha_17:
(3, 7634), (5, 7682), (6, 7703), (Start: 12 @7748 has 1 MA's), (37, 7934), (42, 7991), (54, 8090), (55, 8093), (56, 8108), (57, 8111), (58, 8135), (59, 8171), (60, 8189), (61, 8198), (63, 8210), (66, 8246), (67, 8249),

Gene: Magritte_7 Start: 4005, Stop: 4622, Start Num: 13
Candidate Starts for Magritte_7:
(1, 3567), (2, 3870), (Start: 13 @4005 has 1 MA's), (16, 4038), (25, 4113), (29, 4140), (33, 4164), (38, 4200), (48, 4308), (70, 4560),

Gene: Neville_119 Start: 67317, Stop: 67757, Start Num: 28
Candidate Starts for Neville_119:
(Start: 28 @67317 has 2 MA's), (42, 67440), (44, 67455), (57, 67554), (65, 67680), (68, 67719), (71, 67731),

Gene: Thibault_148 Start: 84205, Stop: 84771, Start Num: 9
Candidate Starts for Thibault_148:
(4, 84166), (Start: 9 @84205 has 1 MA's), (31, 84382), (51, 84535), (57, 84592), (59, 84652), (64, 84694), (66, 84727), (69, 84748),

Gene: Trax_120 Start: 68137, Stop: 68577, Start Num: 28

Candidate Starts for Trax_120:
(Start: 28 @68137 has 2 MA's), (42, 68260), (44, 68275), (57, 68374), (65, 68500), (68, 68539), (71, 68551),

Gene: UBSmoodge_51 Start: 40051, Stop: 40764, Start Num: 10
Candidate Starts for UBSmoodge_51:
(10, 40051), (11, 40060), (15, 40102), (22, 40144), (32, 40219), (39, 40270), (41, 40312), (43, 40321), (46, 40345), (49, 40378), (56, 40438), (57, 40441), (58, 40465), (60, 40519), (67, 40579), (72, 40696), (73, 40711), (74, 40720),

Gene: Weasels2_171 Start: 93400, Stop: 93933, Start Num: 14
Candidate Starts for Weasels2_171:
(Start: 14 @93400 has 1 MA's), (21, 93454), (30, 93520), (40, 93592), (49, 93670), (55, 93715), (57, 93733), (59, 93793),