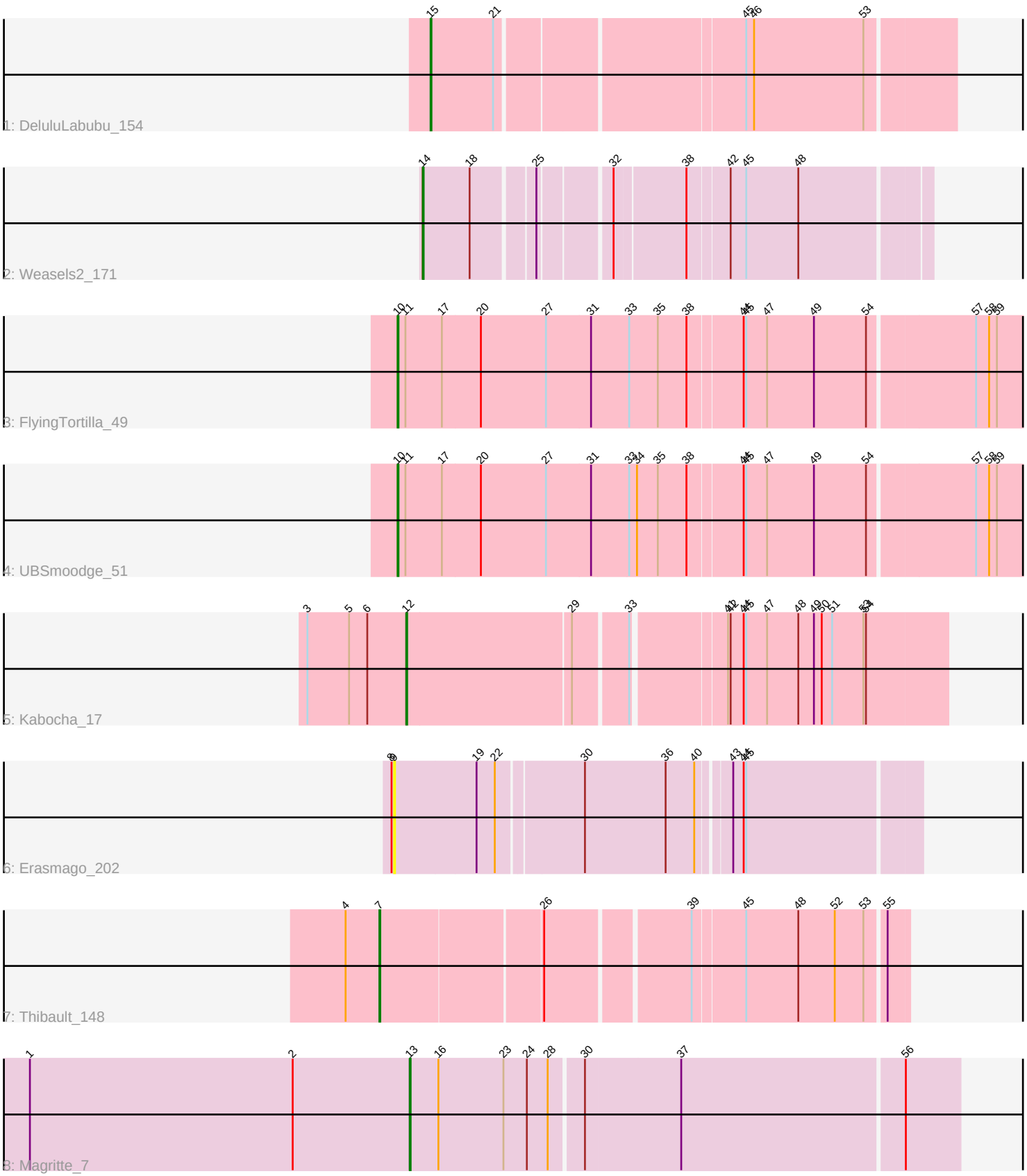
Pham 290028


1: DeluluLababu_154
2: Weasels2_171
3: FlyingTortilla_49
4: UBSmoodge_51
5: Kabocha_17
6: Erasmago_202
7: Thibault_148
8: 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 290028 Report

This analysis was run 03/28/26 on database version 641.

Pham number 290028 has 8 members, 1 are drafts.

Phages represented in each track:
• Track 1 : DeluluLabubu_154
• Track 2 : Weasels2_171
• Track 3 : FlyingTortilla_49
• Track 4 : UBSmoodge_51
• Track 5 : Kabocha_17
• Track 6 : Erasmago_202
• Track 7 : Thibault_148
• Track 8 : 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 10, it was called in 2 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• FlyingTortilla_49, UBSmoodge_51,

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

Genes that do not have the "Most Annotated" start:
• DeluluLabubu_154, Erasmago_202, Kabocha_17, Magritte_7, Thibault_148, Weasels2_171,

Summary by start number:

Start 7:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Thibault_148 (J),

Start 9:
• Found in 1 of 8 (12.5%) of genes in pham

• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Erasmago_202 (GD2),

Start 10:
• Found in 2 of 8 (25.0%) of genes in pham
• Manual Annotations of this start: 2 of 7
• 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 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kabocha_17 (DQ),

Start 13:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Magritte_7 (singleton),

Start 14:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Weasels2_171 (CB),

Start 15:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DeluluLabubu_154 (BK1),

Summary by clusters:

There are 6 clusters represented in this pham: GD2, CB, J, singleton, BK1, DQ,

Info for manual annotations of cluster BK1:
•Start number 15 was manually annotated 1 time for cluster BK1.

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 10 was manually annotated 2 times for cluster DQ.
•Start number 12 was manually annotated 1 time for cluster DQ.

Info for manual annotations of cluster J:
•Start number 7 was manually annotated 1 time for cluster J.

Gene Information:

Gene: DeluluLabubu_154 Start: 84050, Stop: 84619, Start Num: 15
Candidate Starts for DeluluLabubu_154:
(Start: 15 @84050 has 1 MA's), (21, 84122), (45, 84386), (46, 84395), (53, 84521),

Gene: Erasmago_202 Start: 108620, Stop: 108048, Start Num: 9
Candidate Starts for Erasmago_202:
(8, 108623), (9, 108620), (19, 108530), (22, 108509), (30, 108416), (36, 108323), (40, 108290), (43, 108257), (44, 108245), (45, 108242),

Gene: FlyingTortilla_49 Start: 40285, Stop: 40998, Start Num: 10
Candidate Starts for FlyingTortilla_49:
(Start: 10 @40285 has 2 MA's), (11, 40294), (17, 40336), (20, 40378), (27, 40453), (31, 40504), (33, 40546), (35, 40579), (38, 40612), (44, 40672), (45, 40675), (47, 40699), (49, 40753), (54, 40813), (57, 40930), (58, 40945), (59, 40954),

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), (29, 7934), (33, 7991), (41, 8090), (42, 8093), (44, 8108), (45, 8111), (47, 8135), (48, 8171), (49, 8189), (50, 8198), (51, 8210), (53, 8246), (54, 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), (23, 4113), (24, 4140), (28, 4164), (30, 4200), (37, 4308), (56, 4560),

Gene: Thibault_148 Start: 84205, Stop: 84771, Start Num: 7
Candidate Starts for Thibault_148:
(4, 84166), (Start: 7 @84205 has 1 MA's), (26, 84382), (39, 84535), (45, 84592), (48, 84652), (52, 84694), (53, 84727), (55, 84748),

Gene: UBSmoodge_51 Start: 40051, Stop: 40764, Start Num: 10
Candidate Starts for UBSmoodge_51:
(Start: 10 @40051 has 2 MA's), (11, 40060), (17, 40102), (20, 40144), (27, 40219), (31, 40270), (33, 40312), (34, 40321), (35, 40345), (38, 40378), (44, 40438), (45, 40441), (47, 40465), (49, 40519), (54, 40579), (57, 40696), (58, 40711), (59, 40720),

Gene: Weasels2_171 Start: 93400, Stop: 93933, Start Num: 14
Candidate Starts for Weasels2_171:
(Start: 14 @93400 has 1 MA's), (18, 93454), (25, 93520), (32, 93592), (38, 93670), (42, 93715), (45, 93733), (48, 93793),