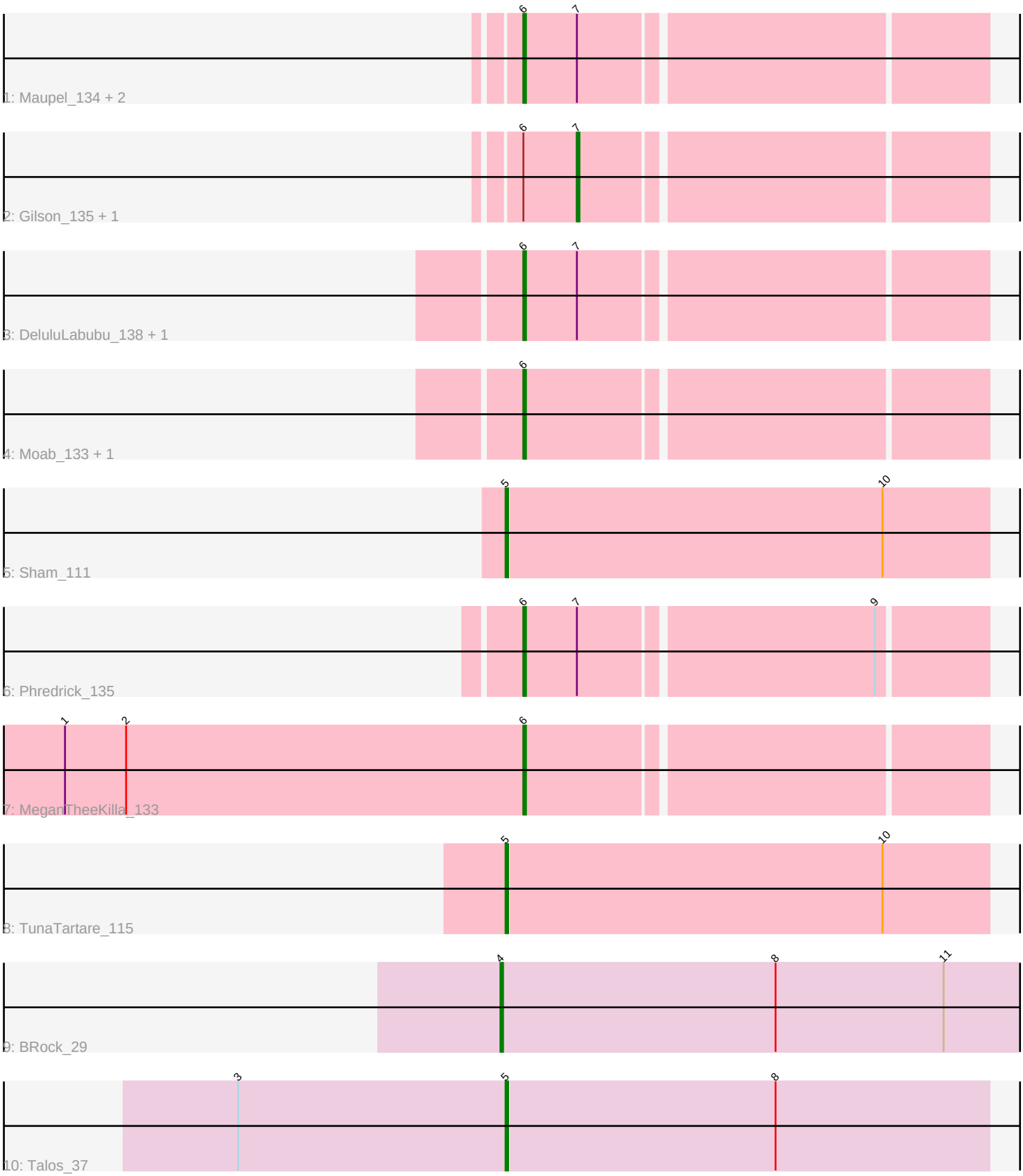
Pham 288286


6
7
1: Maupel_134 + 2
6
7
2: Gilson_135 + 1
6
7
3: DeluluLababu_138 + 1
6
4: Moab_133 + 1
5
10
5: Sham_111
6
7
9
6: Phredrick_135
1
2
6
7: MeganTheeKilla_133
5
10
8: TunaTartare_115
4
8
11
9: BRock_29
3
5
8
10: Talos_37

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 288286 Report

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

Pham number 288286 has 15 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Maupel_134, Forrest_141, Emma1919_135
• Track 2 : Gilson_135, Jada_137
• Track 3 : DeluluLabubu_138, Kenrey_138
• Track 4 : Moab_133, Patelgo_136
• Track 5 : Sham_111
• Track 6 : Phredrick_135
• Track 7 : MeganTheeKilla_133
• Track 8 : TunaTartare_115
• Track 9 : BRock_29
• Track 10 : Talos_37

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

The start number called the most often in the published annotations is 6, it was called in 8 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• DeluluLabubu_138, Emma1919_135, Forrest_141, Kenrey_138, Maupel_134, MeganTheeKilla_133, Moab_133, Patelgo_136, Phredrick_135,

Genes that have the "Most Annotated" start but do not call it:
• Gilson_135, Jada_137,

Genes that do not have the "Most Annotated" start:
• BRock_29, Sham_111, Talos_37, TunaTartare_115,

Summary by start number:

Start 4:
• Found in 1 of 15 (6.7%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BRock_29 (BS),

Start 5:
• Found in 3 of 15 (20.0%) of genes in pham
• Manual Annotations of this start: 3 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Sham_111 (BK1), Talos_37 (BS), TunaTartare_115 (BK1),

Start 6:
• Found in 11 of 15 (73.3%) of genes in pham
• Manual Annotations of this start: 8 of 14
• Called 81.8% of time when present
• Phage (with cluster) where this start called: DeluluLabubu_138 (BK1), Emma1919_135 (BK1), Forrest_141 (BK1), Kenrey_138 (BK1), Maupel_134 (BK1), MeganTheeKilla_133 (BK1), Moab_133 (BK1), Patelgo_136 (BK1), Phredrick_135 (BK1),

Start 7:
• Found in 8 of 15 (53.3%) of genes in pham
• Manual Annotations of this start: 2 of 14
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Gilson_135 (BK1), Jada_137 (BK1),

Summary by clusters:

There are 2 clusters represented in this pham: BK1, BS,

Info for manual annotations of cluster BK1:
•Start number 5 was manually annotated 2 times for cluster BK1.
•Start number 6 was manually annotated 8 times for cluster BK1.
•Start number 7 was manually annotated 2 times for cluster BK1.

Info for manual annotations of cluster BS:
•Start number 4 was manually annotated 1 time for cluster BS.
•Start number 5 was manually annotated 1 time for cluster BS.

Gene Information:

Gene: BRock_29 Start: 10826, Stop: 11050, Start Num: 4
Candidate Starts for BRock_29:
(Start: 4 @10826 has 1 MA's), (8, 10934), (11, 11000),

Gene: DeluluLabubu_138 Start: 78610, Stop: 78783, Start Num: 6
Candidate Starts for DeluluLabubu_138:
(Start: 6 @78610 has 8 MA's), (Start: 7 @78631 has 2 MA's),

Gene: Emma1919_135 Start: 77029, Stop: 77202, Start Num: 6
Candidate Starts for Emma1919_135:
(Start: 6 @77029 has 8 MA's), (Start: 7 @77050 has 2 MA's),

Gene: Forrest_141 Start: 80463, Stop: 80636, Start Num: 6
Candidate Starts for Forrest_141:

(Start: 6 @80463 has 8 MA's), (Start: 7 @80484 has 2 MA's),

Gene: Gilson_135 Start: 77012, Stop: 77164, Start Num: 7
Candidate Starts for Gilson_135:
(Start: 6 @76991 has 8 MA's), (Start: 7 @77012 has 2 MA's),

Gene: Jada_137 Start: 79414, Stop: 79566, Start Num: 7
Candidate Starts for Jada_137:
(Start: 6 @79393 has 8 MA's), (Start: 7 @79414 has 2 MA's),

Gene: Kenrey_138 Start: 78520, Stop: 78693, Start Num: 6
Candidate Starts for Kenrey_138:
(Start: 6 @78520 has 8 MA's), (Start: 7 @78541 has 2 MA's),

Gene: Maupel_134 Start: 76991, Stop: 77164, Start Num: 6
Candidate Starts for Maupel_134:
(Start: 6 @76991 has 8 MA's), (Start: 7 @77012 has 2 MA's),

Gene: MeganTheeKilla_133 Start: 77205, Stop: 77378, Start Num: 6
Candidate Starts for MeganTheeKilla_133:
(1, 77025), (2, 77049), (Start: 6 @77205 has 8 MA's),

Gene: Moab_133 Start: 79490, Stop: 79663, Start Num: 6
Candidate Starts for Moab_133:
(Start: 6 @79490 has 8 MA's),

Gene: Patelgo_136 Start: 80182, Stop: 80355, Start Num: 6
Candidate Starts for Patelgo_136:
(Start: 6 @80182 has 8 MA's),

Gene: Phredrick_135 Start: 76832, Stop: 77005, Start Num: 6
Candidate Starts for Phredrick_135:
(Start: 6 @76832 has 8 MA's), (Start: 7 @76853 has 2 MA's), (9, 76964),

Gene: Sham_111 Start: 73884, Stop: 74072, Start Num: 5
Candidate Starts for Sham_111:
(Start: 5 @73884 has 3 MA's), (10, 74031),

Gene: Talos_37 Start: 12717, Stop: 12905, Start Num: 5
Candidate Starts for Talos_37:
(3, 12612), (Start: 5 @12717 has 3 MA's), (8, 12822),

Gene: TunaTartare_115 Start: 75611, Stop: 75799, Start Num: 5
Candidate Starts for TunaTartare_115:
(Start: 5 @75611 has 3 MA's), (10, 75758),