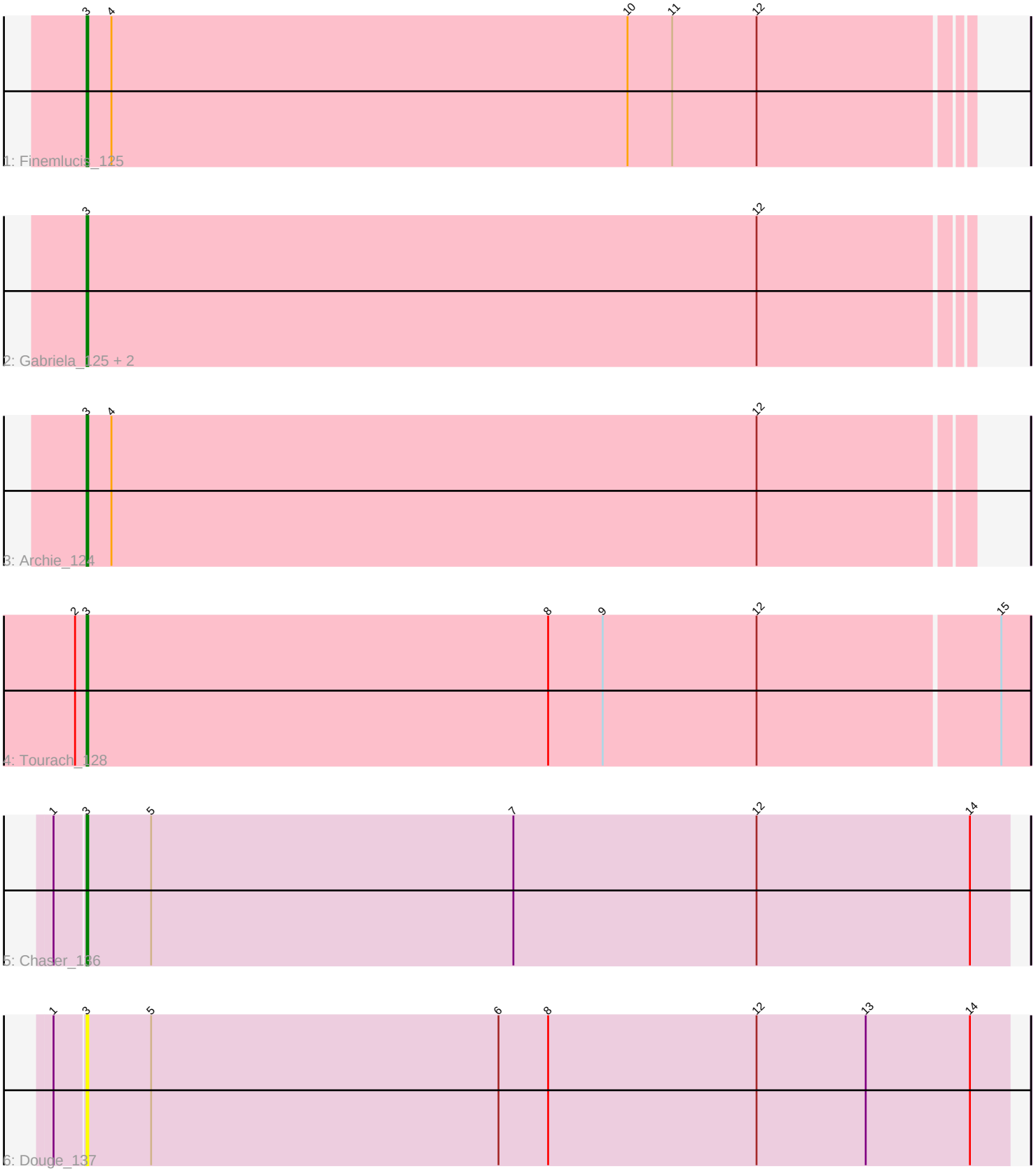
Pham 151007


3
4
10
11
12
1: Finemlucis_125
3
12
2: Gabriela_125 + 2
3
4
12
3: Archie_124
2
3
8
9
12
15
4: Tourach_128
1
3
5
7
12
14
5: Chaser_136
1
3
5
6
8
12
13
14
6: Douge_137

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 151007 Report

This analysis was run 04/05/24 on database version 557.

Pham number 151007 has 8 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Finemlucis_125
• Track 2 : Gabriela_125, Gardann_125, Nicholasp3_126
• Track 3 : Archie_124
• Track 4 : Tourach_128
• Track 5 : Chaser_136
• Track 6 : Douge_137

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 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Archie_124, Chaser_136, Douge_137, Finemlucis_125, Gabriela_125, Gardann_125, Nicholasp3_126, Tourach_128,

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

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

Summary by start number:

Start 3:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 7 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Archie_124 (L2), Chaser_136 (L4), Douge_137 (L4), Finemlucis_125 (L2), Gabriela_125 (L2), Gardann_125 (L2), Nicholasp3_126 (L2), Tourach_128 (L2),

Summary by clusters:

There are 2 clusters represented in this pham: L4, L2,

Info for manual annotations of cluster L2:
•Start number 3 was manually annotated 6 times for cluster L2.

Info for manual annotations of cluster L4:
•Start number 3 was manually annotated 1 time for cluster L4.

Gene Information:

Gene: Archie_124 Start: 67505, Stop: 66975, Start Num: 3
Candidate Starts for Archie_124:
(Start: 3 @67505 has 7 MA's), (4, 67490), (12, 67100),

Gene: Chaser_136 Start: 69692, Stop: 69135, Start Num: 3
Candidate Starts for Chaser_136:
(1, 69710), (Start: 3 @69692 has 7 MA's), (5, 69653), (7, 69434), (12, 69287), (14, 69158),

Gene: Douge_137 Start: 70061, Stop: 69504, Start Num: 3
Candidate Starts for Douge_137:
(1, 70079), (Start: 3 @70061 has 7 MA's), (5, 70022), (6, 69812), (8, 69782), (12, 69656), (13, 69590), (14, 69527),

Gene: Finemlucis_125 Start: 68538, Stop: 68011, Start Num: 3
Candidate Starts for Finemlucis_125:
(Start: 3 @68538 has 7 MA's), (4, 68523), (10, 68211), (11, 68184), (12, 68133),

Gene: Gabriela_125 Start: 66867, Stop: 66340, Start Num: 3
Candidate Starts for Gabriela_125:
(Start: 3 @66867 has 7 MA's), (12, 66462),

Gene: Gardann_125 Start: 67544, Stop: 67017, Start Num: 3
Candidate Starts for Gardann_125:
(Start: 3 @67544 has 7 MA's), (12, 67139),

Gene: Nicholasp3_126 Start: 67544, Stop: 67017, Start Num: 3
Candidate Starts for Nicholasp3_126:
(Start: 3 @67544 has 7 MA's), (12, 67139),

Gene: Tourach_128 Start: 69093, Stop: 68527, Start Num: 3
Candidate Starts for Tourach_128:
(2, 69099), (Start: 3 @69093 has 7 MA's), (8, 68814), (9, 68781), (12, 68688), (15, 68544),