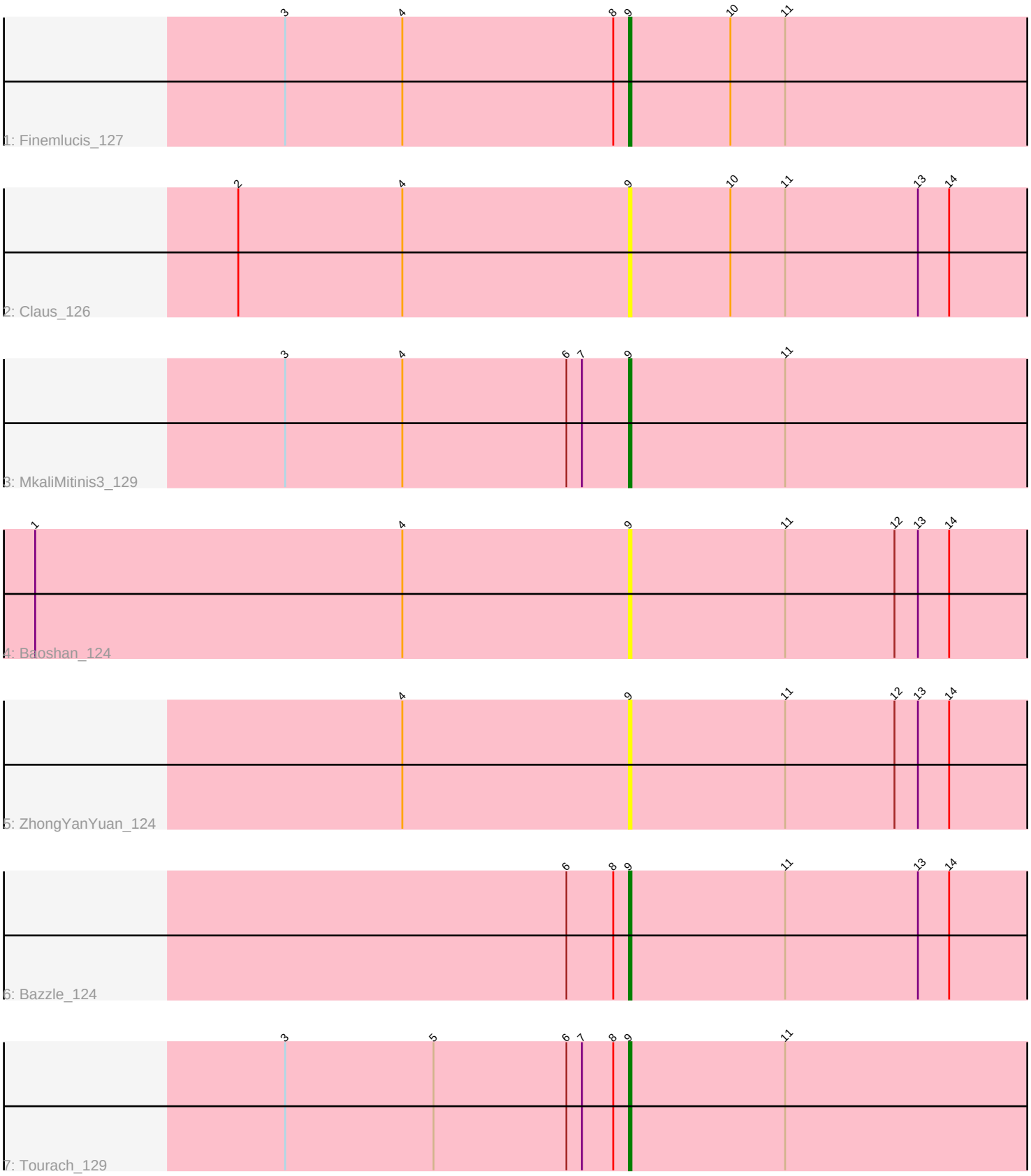
# Pham 9637


3
4
8
9
10
11
1: Finemlucis_127
2
4
9
10
11
13
14
2: Claus_126
3
4
6
7
9
11
3: MkaliMitinis3_129
1
4
9
11
12
13
14
4: Baoshan_124
4
9
11
12
13
14
5: ZhongYanYuan_124
6
8
9
11
13
14
6: Bazzle_124
3
5
6
7
8
9
11
7: Tourach_129

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 9637 Report

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

Pham number 9637 has 7 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Finemlucis_127
• Track 2 : Claus_126
• Track 3 : MkaliMitinis3_129
• Track 4 : Baoshan_124
• Track 5 : ZhongYanYuan_124
• Track 6 : Bazzle_124
• Track 7 : Tourach_129

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

The start number called the most often in the published annotations is 9, it was called in 4 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Baoshan_124, Bazzle_124, Claus_126, Finemlucis_127, MkaliMitinis3_129, Tourach_129, ZhongYanYuan_124,

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 9:
• Found in 7 of 7 ( 100.0% ) of genes in pham
• Manual Annotations of this start: 4 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Baoshan_124 (L2), Bazzle_124 (L2), Claus_126 (L2), Finemlucis_127 (L2), MkaliMitinis3_129 (L2), Tourach_129 (L2), ZhongYanYuan_124 (L2),

**Summary by clusters:**

There is one cluster represented in this pham: L2

Info for manual annotations of cluster L2:
•Start number 9 was manually annotated 4 times for cluster L2.

***Gene Information:***

Gene: Baoshan_124 Start: 67542, Stop: 67381, Start Num: 9
Candidate Starts for Baoshan_124:
(1, 67770), (4, 67629), (Start: 9 @67542 has 4 MA's), (11, 67482), (12, 67440), (13, 67431), (14, 67419),

Gene: Bazzle_124 Start: 67958, Stop: 67797, Start Num: 9
Candidate Starts for Bazzle_124:
(6, 67982), (8, 67964), (Start: 9 @67958 has 4 MA's), (11, 67898), (13, 67847), (14, 67835),

Gene: Claus_126 Start: 67618, Stop: 67457, Start Num: 9
Candidate Starts for Claus_126:
(2, 67768), (4, 67705), (Start: 9 @67618 has 4 MA's), (10, 67579), (11, 67558), (13, 67507), (14, 67495),

Gene: Finemlucis_127 Start: 68809, Stop: 68648, Start Num: 9
Candidate Starts for Finemlucis_127:
(3, 68941), (4, 68896), (8, 68815), (Start: 9 @68809 has 4 MA's), (10, 68770), (11, 68749),

Gene: MkaliMitinis3_129 Start: 67746, Stop: 67585, Start Num: 9
Candidate Starts for MkaliMitinis3_129:
(3, 67878), (4, 67833), (6, 67770), (7, 67764), (Start: 9 @67746 has 4 MA's), (11, 67686),

Gene: Tourach_129 Start: 69251, Stop: 69090, Start Num: 9
Candidate Starts for Tourach_129:
(3, 69383), (5, 69326), (6, 69275), (7, 69269), (8, 69257), (Start: 9 @69251 has 4 MA's), (11, 69191),

Gene: ZhongYanYuan_124 Start: 67241, Stop: 67080, Start Num: 9
Candidate Starts for ZhongYanYuan_124:
(4, 67328), (Start: 9 @67241 has 4 MA's), (11, 67181), (12, 67139), (13, 67130), (14, 67118),