Pham 6354

1: Bmoc_144

2: Braelyn_142 + 1

3: Angela_142

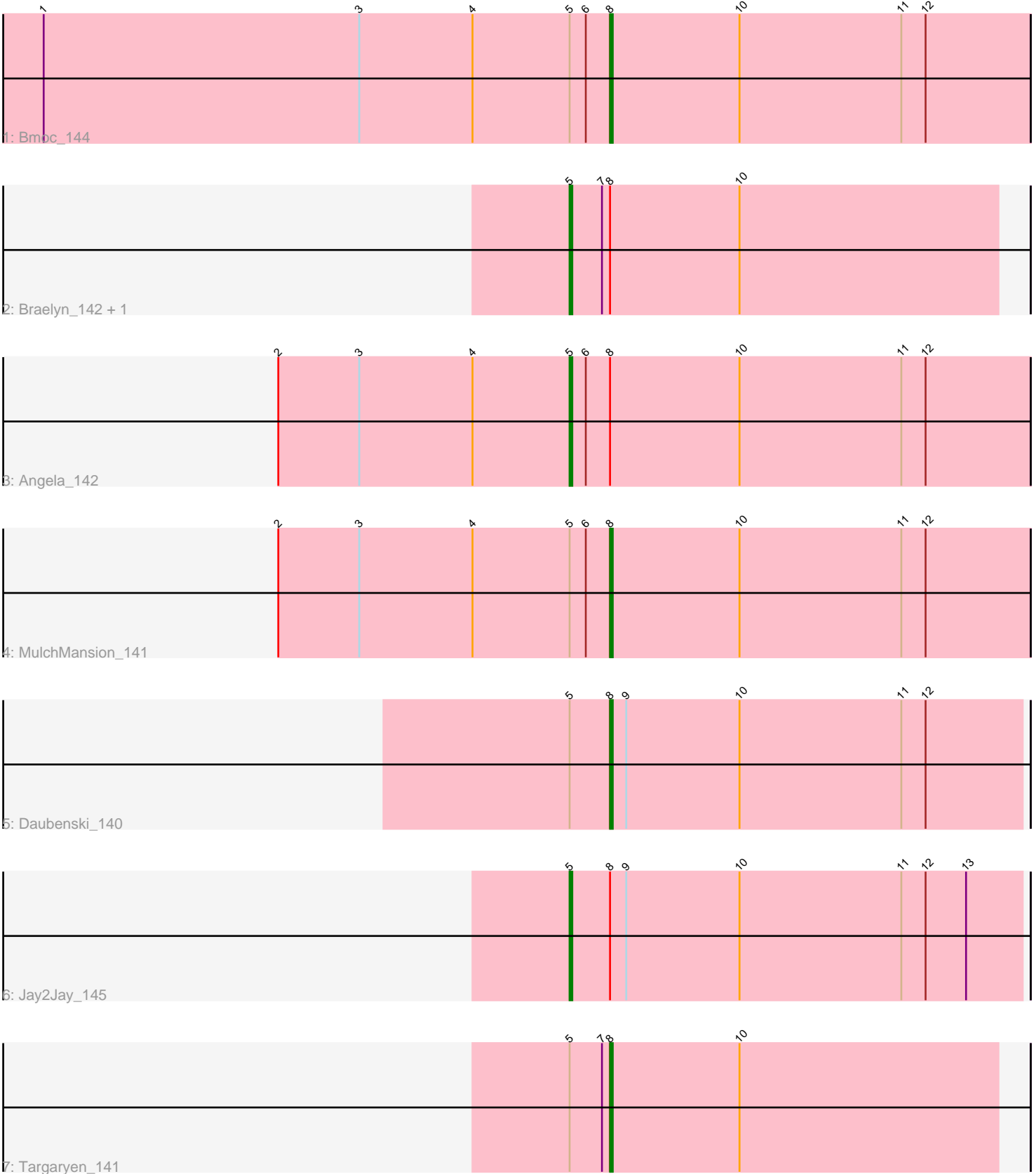4: MulchMansion_141

5: Daubenski_140

6: Jay2Jay_145

7: Targaryen_141

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 6354 Report

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

Pham number 6354 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Bmoc_144
• Track 2 : Braelyn_142, Warpy_144
• Track 3 : Angela_142
• Track 4 : MulchMansion_141
• Track 5 : Daubenski_140
• Track 6 : Jay2Jay_145
• Track 7 : Targaryen_141

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

The start number called the most often in the published annotations is 8, it was called in 4 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bmoc_144, Daubenski_140, MulchMansion_141, Targaryen_141,

Genes that have the "Most Annotated" start but do not call it:
• Angela_142, Braelyn_142, Jay2Jay_145, Warpy_144,

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

Summary by start number:

Start 5:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 4 of 8
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Angela_142 (BE1), Braelyn_142 (BE1), Jay2Jay_145 (BE1), Warpy_144 (BE1),

Start 8:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 4 of 8

• Called 50.0% of time when present
• Phage (with cluster) where this start called: Bmoc_144 (BE1), Daubenski_140 (BE1), MulchMansion_141 (BE1), Targaryen_141 (BE1),

Summary by clusters:

There is one cluster represented in this pham: BE1

Info for manual annotations of cluster BE1:
•Start number 5 was manually annotated 4 times for cluster BE1.
•Start number 8 was manually annotated 4 times for cluster BE1.

Gene Information:

Gene: Angela_142 Start: 85944, Stop: 86114, Start Num: 5
Candidate Starts for Angela_142:
(2, 85836), (3, 85866), (4, 85908), (Start: 5 @85944 has 4 MA's), (6, 85950), (Start: 8 @85959 has 4 MA's), (10, 86007), (11, 86067), (12, 86076),

Gene: Bmoc_144 Start: 86235, Stop: 86390, Start Num: 8
Candidate Starts for Bmoc_144:
(1, 86025), (3, 86142), (4, 86184), (Start: 5 @86220 has 4 MA's), (6, 86226), (Start: 8 @86235 has 4 MA's), (10, 86283), (11, 86343), (12, 86352),

Gene: Braelyn_142 Start: 86617, Stop: 86775, Start Num: 5
Candidate Starts for Braelyn_142:
(Start: 5 @86617 has 4 MA's), (7, 86629), (Start: 8 @86632 has 4 MA's), (10, 86680),

Gene: Daubenski_140 Start: 87252, Stop: 87404, Start Num: 8
Candidate Starts for Daubenski_140:
(Start: 5 @87237 has 4 MA's), (Start: 8 @87252 has 4 MA's), (9, 87258), (10, 87300), (11, 87360), (12, 87369),

Gene: Jay2Jay_145 Start: 88440, Stop: 88607, Start Num: 5
Candidate Starts for Jay2Jay_145:
(Start: 5 @88440 has 4 MA's), (Start: 8 @88455 has 4 MA's), (9, 88461), (10, 88503), (11, 88563), (12, 88572), (13, 88587),

Gene: MulchMansion_141 Start: 85907, Stop: 86062, Start Num: 8
Candidate Starts for MulchMansion_141:
(2, 85784), (3, 85814), (4, 85856), (Start: 5 @85892 has 4 MA's), (6, 85898), (Start: 8 @85907 has 4 MA's), (10, 85955), (11, 86015), (12, 86024),

Gene: Targaryen_141 Start: 88604, Stop: 88747, Start Num: 8
Candidate Starts for Targaryen_141:
(Start: 5 @88589 has 4 MA's), (7, 88601), (Start: 8 @88604 has 4 MA's), (10, 88652),

Gene: Warpy_144 Start: 88106, Stop: 88264, Start Num: 5
Candidate Starts for Warpy_144:
(Start: 5 @88106 has 4 MA's), (7, 88118), (Start: 8 @88121 has 4 MA's), (10, 88169),