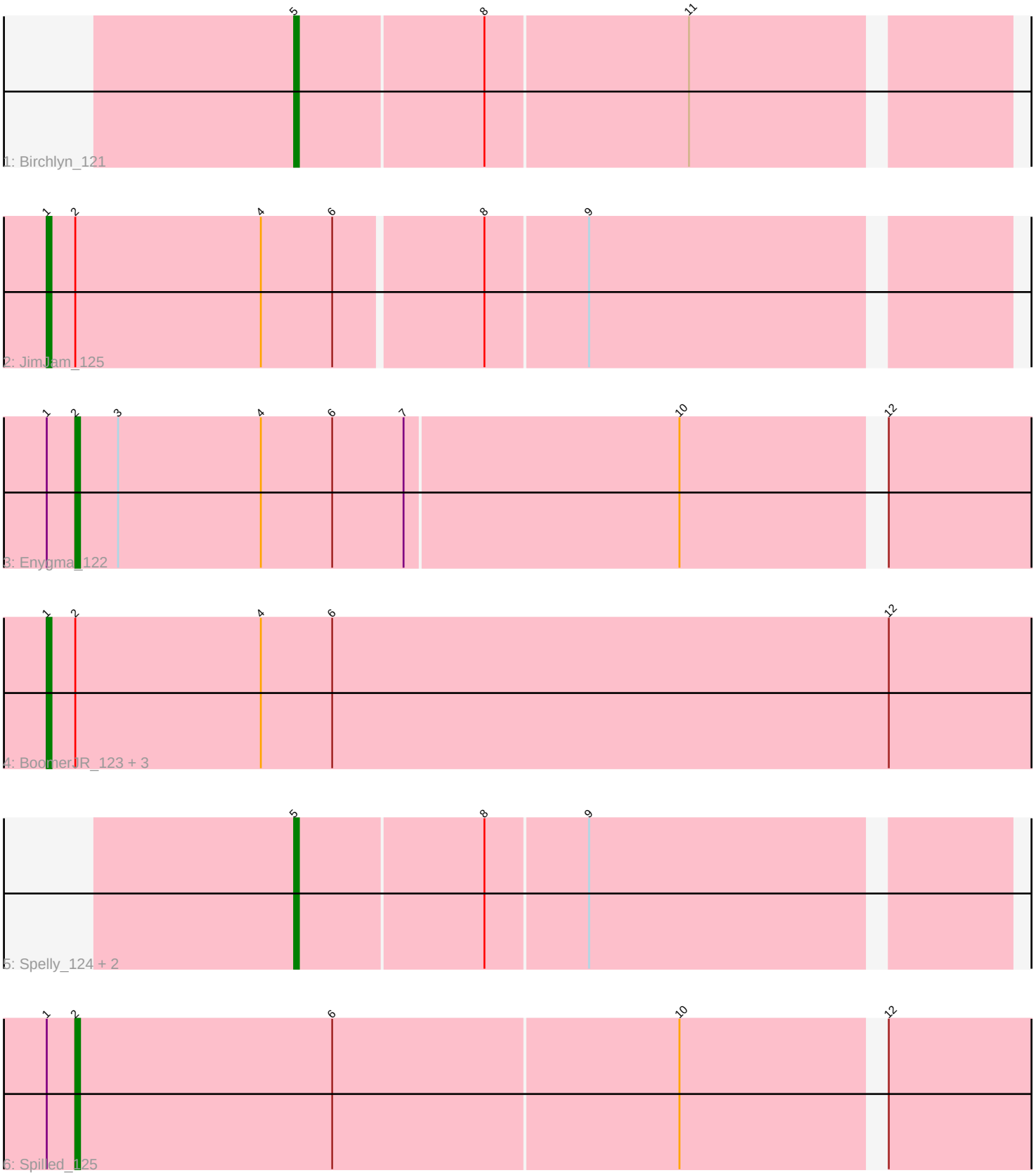
Pham 346353


5
8
11
1: Birchlyn_121
1
2
4
6
8
9
2: JimJam_125
1
2
3
4
6
7
10
12
3: Enygma_122
1
2
4
6
12
4: BoomerJR_123 + 3
5
8
9
5: Spelly_124 + 2
1
2
6
10
12
6: Spilled_125

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 346353 Report

This analysis was run 11/14/26 on database version 672.

Pham number 346353 has 11 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Birchlyn_121
• Track 2 : JimJam_125
• Track 3 : Enygma_122
• Track 4 : BoomerJR_123, Genie2_123, Yaboi_123, Sollertia_122
• Track 5 : Spelly_124, Daisy123_124, PumpkinSpice_124
• Track 6 : Spilled_125

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

The start number called the most often in the published annotations is 1, it was called in 5 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BoomerJR_123, Genie2_123, JimJam_125, Sollertia_122, Yaboi_123,

Genes that have the "Most Annotated" start but do not call it:
• Enygma_122, Spilled_125,

Genes that do not have the "Most Annotated" start:
• Birchlyn_121, Daisy123_124, PumpkinSpice_124, Spelly_124,

Summary by start number:

Start 1:
• Found in 7 of 11 (63.6%) of genes in pham
• Manual Annotations of this start: 5 of 11
• Called 71.4% of time when present
• Phage (with cluster) where this start called: BoomerJR_123 (BE2), Genie2_123 (BE2), JimJam_125 (BE2), Sollertia_122 (BE2), Yaboi_123 (BE2),

Start 2:
• Found in 7 of 11 (63.6%) of genes in pham
• Manual Annotations of this start: 2 of 11
• Called 28.6% of time when present

• Phage (with cluster) where this start called: Enygma_122 (BE2), Spilled_125 (BE2),

Start 5:
• Found in 4 of 11 (36.4%) of genes in pham
• Manual Annotations of this start: 4 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Birchlyn_121 (BE2), Daisy123_124 (BE2), PumpkinSpice_124 (BE2), Spelly_124 (BE2),

Summary by clusters:

There is one cluster represented in this pham: BE2

Info for manual annotations of cluster BE2:
•Start number 1 was manually annotated 5 times for cluster BE2.
•Start number 2 was manually annotated 2 times for cluster BE2.
•Start number 5 was manually annotated 4 times for cluster BE2.

Gene Information:

Gene: Birchlyn_121 Start: 76627, Stop: 76770, Start Num: 5
Candidate Starts for Birchlyn_121:
(Start: 5 @76627 has 4 MA's), (8, 76666), (11, 76708),

Gene: BoomerJR_123 Start: 78643, Stop: 78882, Start Num: 1
Candidate Starts for BoomerJR_123:
(Start: 1 @78643 has 5 MA's), (Start: 2 @78649 has 2 MA's), (4, 78688), (6, 78703), (12, 78820),

Gene: Daisy123_124 Start: 79079, Stop: 79222, Start Num: 5
Candidate Starts for Daisy123_124:
(Start: 5 @79079 has 4 MA's), (8, 79118), (9, 79139),

Gene: Enygma_122 Start: 80239, Stop: 80466, Start Num: 2
Candidate Starts for Enygma_122:
(Start: 1 @80233 has 5 MA's), (Start: 2 @80239 has 2 MA's), (3, 80248), (4, 80278), (6, 80293), (7, 80308), (10, 80365), (12, 80404),

Gene: Genie2_123 Start: 78757, Stop: 78996, Start Num: 1
Candidate Starts for Genie2_123:
(Start: 1 @78757 has 5 MA's), (Start: 2 @78763 has 2 MA's), (4, 78802), (6, 78817), (12, 78934),

Gene: JimJam_125 Start: 79238, Stop: 79432, Start Num: 1
Candidate Starts for JimJam_125:
(Start: 1 @79238 has 5 MA's), (Start: 2 @79244 has 2 MA's), (4, 79283), (6, 79298), (8, 79328), (9, 79349),

Gene: PumpkinSpice_124 Start: 79331, Stop: 79474, Start Num: 5
Candidate Starts for PumpkinSpice_124:
(Start: 5 @79331 has 4 MA's), (8, 79370), (9, 79391),

Gene: Sollertia_122 Start: 78757, Stop: 78996, Start Num: 1

Candidate Starts for Sollertia_122:
(Start: 1 @78757 has 5 MA's), (Start: 2 @78763 has 2 MA's), (4, 78802), (6, 78817), (12, 78934),

Gene: Spelly_124 Start: 78722, Stop: 78865, Start Num: 5
Candidate Starts for Spelly_124:
(Start: 5 @78722 has 4 MA's), (8, 78761), (9, 78782),

Gene: Spilled_125 Start: 78793, Stop: 79020, Start Num: 2
Candidate Starts for Spilled_125:
(Start: 1 @78787 has 5 MA's), (Start: 2 @78793 has 2 MA's), (6, 78847), (10, 78919), (12, 78958),

Gene: Yaboi_123 Start: 78745, Stop: 78984, Start Num: 1
Candidate Starts for Yaboi_123:
(Start: 1 @78745 has 5 MA's), (Start: 2 @78751 has 2 MA's), (4, 78790), (6, 78805), (12, 78922),