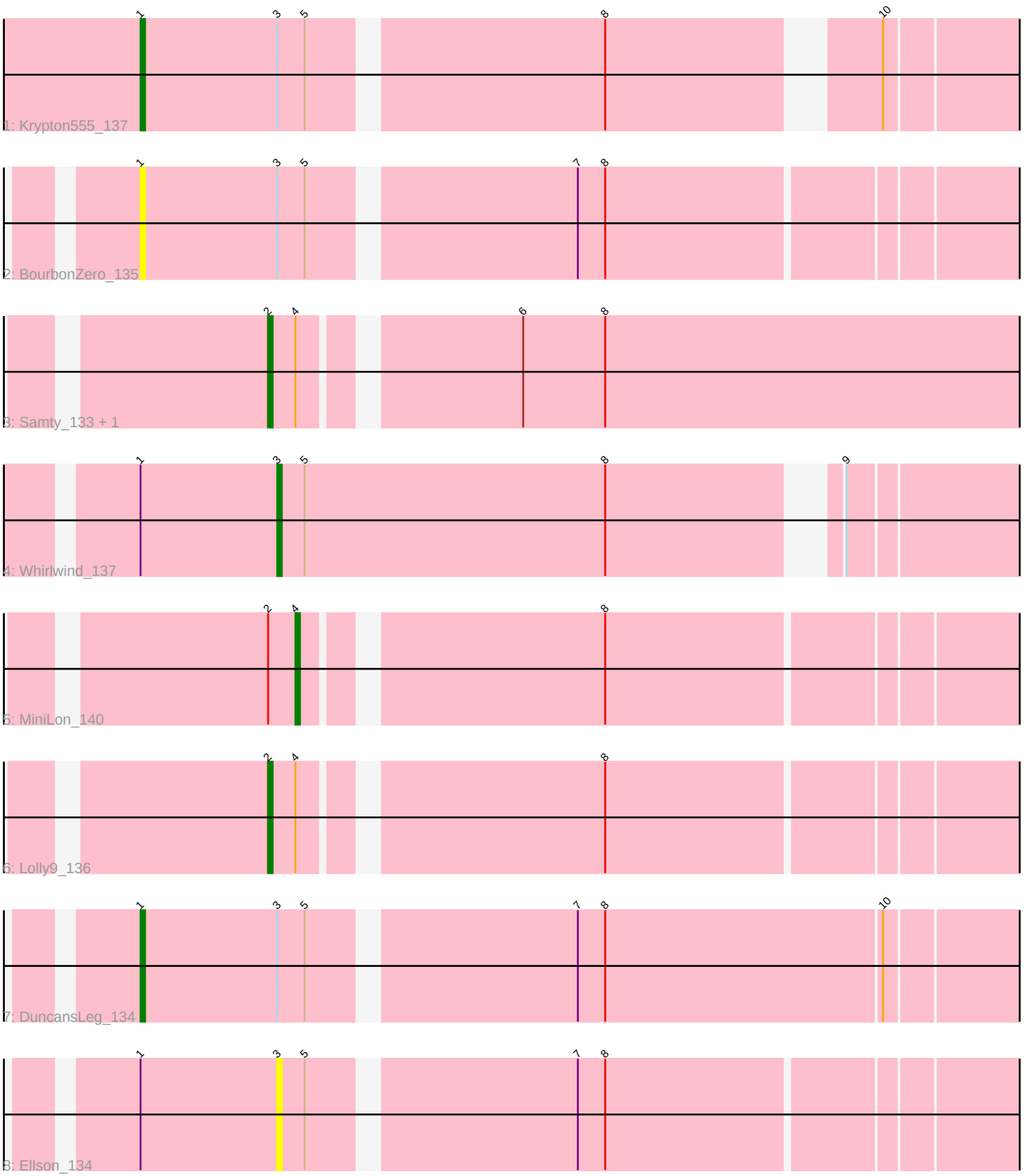
Pham 348288


1
3
5
8
10
1: Krypton555_137
1
3
5
7
8
2: BourbonZero_135
2
4
6
8
3: Samty_133 + 1
1
3
5
8
9
4: Whirlwind_137
2
4
8
5: MiniLon_140
2
4
8
6: Lolly9_136
1
3
5
7
8
10
7: DuncansLeg_134
1
3
5
7
8
8: Ellson_134

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 348288 Report

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

Pham number 348288 has 9 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Krypton555_137
• Track 2 : BourbonZero_135
• Track 3 : Samty_133, Finnry_134
• Track 4 : Whirlwind_137
• Track 5 : MiniLon_140
• Track 6 : Lolly9_136
• Track 7 : DuncansLeg_134
• Track 8 : Ellson_134

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

The start number called the most often in the published annotations is 2, it was called in 3 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Finnry_134, Lolly9_136, Samty_133,

Genes that have the "Most Annotated" start but do not call it:
• MiniLon_140,

Genes that do not have the "Most Annotated" start:
• BourbonZero_135, DuncansLeg_134, Ellson_134, Krypton555_137, Whirlwind_137,

Summary by start number:

Start 1:
• Found in 5 of 9 (55.6%) of genes in pham
• Manual Annotations of this start: 2 of 7
• Called 60.0% of time when present
• Phage (with cluster) where this start called: BourbonZero_135 (L3), DuncansLeg_134 (L3), Krypton555_137 (L3),

Start 2:
• Found in 4 of 9 (44.4%) of genes in pham

• Manual Annotations of this start: 3 of 7
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Finnry_134 (L3), Lolly9_136 (L3), Samty_133 (L3),

Start 3:
• Found in 5 of 9 (55.6%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 40.0% of time when present
• Phage (with cluster) where this start called: Ellson_134 (L3), Whirlwind_137 (L3),

Start 4:
• Found in 4 of 9 (44.4%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 25.0% of time when present
• Phage (with cluster) where this start called: MiniLon_140 (L3),

Summary by clusters:

There is one cluster represented in this pham: L3

Info for manual annotations of cluster L3:
•Start number 1 was manually annotated 2 times for cluster L3.
•Start number 2 was manually annotated 3 times for cluster L3.
•Start number 3 was manually annotated 1 time for cluster L3.
•Start number 4 was manually annotated 1 time for cluster L3.

Gene Information:

Gene: BourbonZero_135 Start: 73828, Stop: 73646, Start Num: 1
Candidate Starts for BourbonZero_135:
(Start: 1 @73828 has 2 MA's), (Start: 3 @73798 has 1 MA's), (5, 73792), (7, 73738), (8, 73732),

Gene: DuncansLeg_134 Start: 73876, Stop: 73682, Start Num: 1
Candidate Starts for DuncansLeg_134:
(Start: 1 @73876 has 2 MA's), (Start: 3 @73846 has 1 MA's), (5, 73840), (7, 73786), (8, 73780), (10, 73720),

Gene: Ellson_134 Start: 74119, Stop: 73967, Start Num: 3
Candidate Starts for Ellson_134:
(Start: 1 @74149 has 2 MA's), (Start: 3 @74119 has 1 MA's), (5, 74113), (7, 74059), (8, 74053),

Gene: Finnry_134 Start: 73984, Stop: 73763, Start Num: 2
Candidate Starts for Finnry_134:
(Start: 2 @73984 has 3 MA's), (Start: 4 @73978 has 1 MA's), (6, 73936), (8, 73918),

Gene: Krypton555_137 Start: 74141, Stop: 73959, Start Num: 1
Candidate Starts for Krypton555_137:
(Start: 1 @74141 has 2 MA's), (Start: 3 @74111 has 1 MA's), (5, 74105), (8, 74045), (10, 73994),

Gene: Lolly9_136 Start: 74185, Stop: 74033, Start Num: 2

Candidate Starts for Lolly9_136:
(Start: 2 @74185 has 3 MA's), (Start: 4 @74179 has 1 MA's), (8, 74119),

Gene: MiniLon_140 Start: 74156, Stop: 74010, Start Num: 4
Candidate Starts for MiniLon_140:
(Start: 2 @74162 has 3 MA's), (Start: 4 @74156 has 1 MA's), (8, 74096),

Gene: Samty_133 Start: 73613, Stop: 73392, Start Num: 2
Candidate Starts for Samty_133:
(Start: 2 @73613 has 3 MA's), (Start: 4 @73607 has 1 MA's), (6, 73565), (8, 73547),

Gene: Whirlwind_137 Start: 74260, Stop: 74093, Start Num: 3
Candidate Starts for Whirlwind_137:
(Start: 1 @74290 has 2 MA's), (Start: 3 @74260 has 1 MA's), (5, 74254), (8, 74188), (9, 74146),