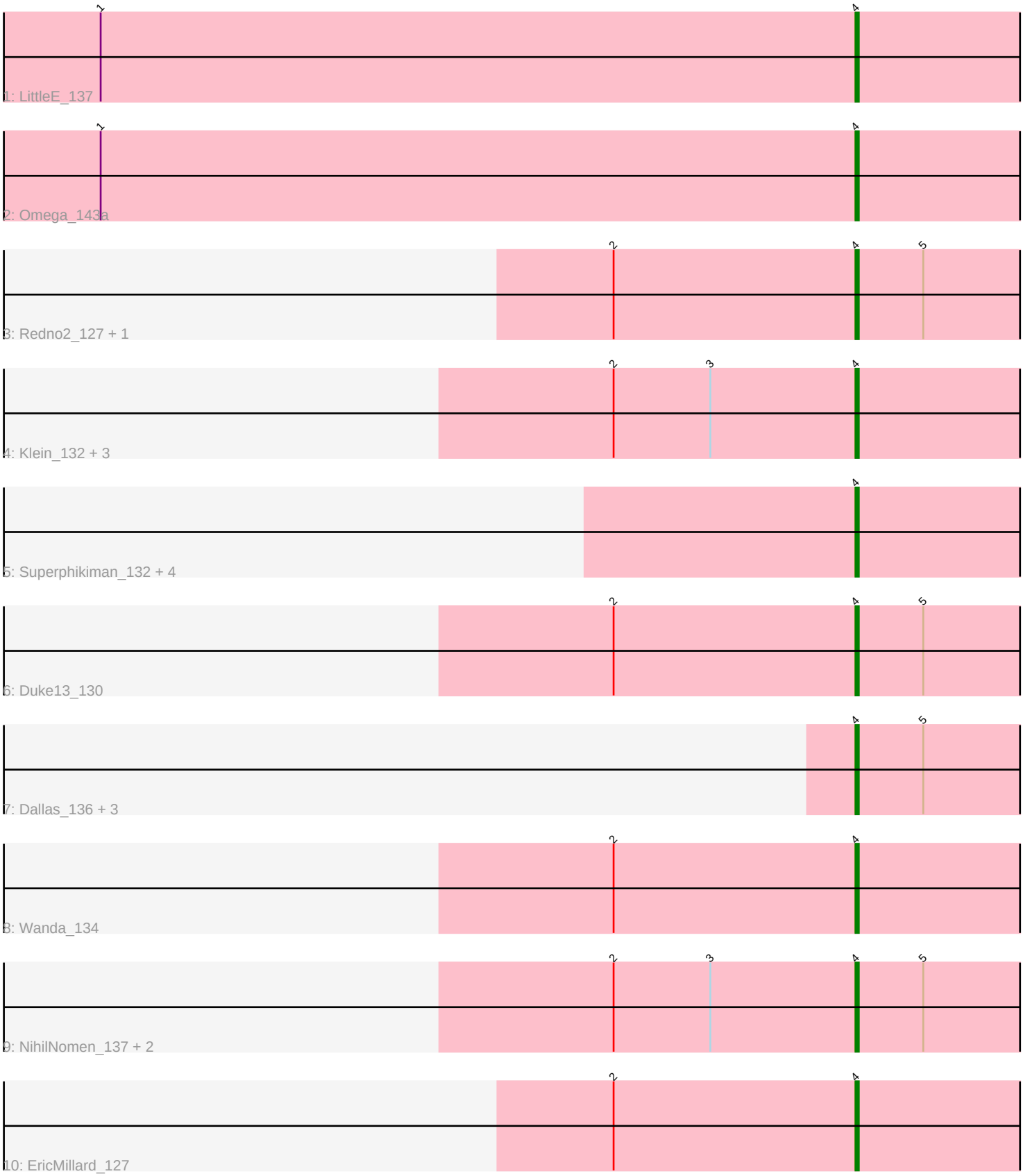
Pham 86533


1
4
1: LittleE_137
1
4
2: Omega_143a
2
4
5
3: Redno2_127 + 1
2
3
4
4: Klein_132 + 3
4
5: Superphikiman_132 + 4
2
4
5
6: Duke13_130
4
5
7: Dallas_136 + 3
2
4
8: Wanda_134
2
3
4
5
9: NihilNomen_137 + 2
2
4
10: EricMillard_127

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 86533 Report

This analysis was run 04/28/24 on database version 559.

Pham number 86533 has 23 members, 0 are drafts.

Phages represented in each track:
• Track 1 : LittleE_137
• Track 2 : Omega_143a
• Track 3 : Redno2_127, HokkenD_127
• Track 4 : Klein_132, Minerva_134, DmpstrDiver_135, BAKA_135
• Track 5 : Superphikiman_132, Porcelain_132, Courthouse_130, MiaZeal_134, Ariel_134
• Track 6 : Duke13_130
• Track 7 : Dallas_136, Halley_137, Kalah2_125, Optimus_126
• Track 8 : Wanda_134
• Track 9 : NihilNomen_137, Bombitas_123, Beem_137
• Track 10 : EricMillard_127

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

The start number called the most often in the published annotations is 4, it was called in 23 of the 23 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ariel_134, BAKA_135, Beem_137, Bombitas_123, Courthouse_130, Dallas_136, DmpstrDiver_135, Duke13_130, EricMillard_127, Halley_137, HokkenD_127, Kalah2_125, Klein_132, LittleE_137, MiaZeal_134, Minerva_134, NihilNomen_137, Omega_143a, Optimus_126, Porcelain_132, Redno2_127, Superphikiman_132, Wanda_134,

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 4:
• Found in 23 of 23 (100.0%) of genes in pham

• Manual Annotations of this start: 23 of 23
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ariel_134 (J), BAKA_135 (J), Beem_137 (J), Bombitas_123 (J), Courthouse_130 (J), Dallas_136 (J), DmpstrDiver_135 (J), Duke13_130 (J), EricMillard_127 (J), Halley_137 (J), HokkenD_127 (J), Kalah2_125 (J), Klein_132 (J), LittleE_137 (J), MiaZeal_134 (J), Minerva_134 (J), NihilNomen_137 (J), Omega_143a (J), Optimus_126 (J), Porcelain_132 (J), Redno2_127 (J), Superphikiman_132 (J), Wanda_134 (J),

Summary by clusters:

There is one cluster represented in this pham: J

Info for manual annotations of cluster J:
•Start number 4 was manually annotated 23 times for cluster J.

Gene Information:

Gene: Ariel_134 Start: 70314, Stop: 70382, Start Num: 4
Candidate Starts for Ariel_134:
(Start: 4 @70314 has 23 MA's),

Gene: BAKA_135 Start: 73017, Stop: 73085, Start Num: 4
Candidate Starts for BAKA_135:
(2, 72942), (3, 72972), (Start: 4 @73017 has 23 MA's),

Gene: Beem_137 Start: 74615, Stop: 74683, Start Num: 4
Candidate Starts for Beem_137:
(2, 74540), (3, 74570), (Start: 4 @74615 has 23 MA's), (5, 74636),

Gene: Bombitas_123 Start: 72026, Stop: 72094, Start Num: 4
Candidate Starts for Bombitas_123:
(2, 71951), (3, 71981), (Start: 4 @72026 has 23 MA's), (5, 72047),

Gene: Courthouse_130 Start: 70172, Stop: 70240, Start Num: 4
Candidate Starts for Courthouse_130:
(Start: 4 @70172 has 23 MA's),

Gene: Dallas_136 Start: 74082, Stop: 74150, Start Num: 4
Candidate Starts for Dallas_136:
(Start: 4 @74082 has 23 MA's), (5, 74103),

Gene: DmpstrDiver_135 Start: 73429, Stop: 73497, Start Num: 4
Candidate Starts for DmpstrDiver_135:
(2, 73354), (3, 73384), (Start: 4 @73429 has 23 MA's),

Gene: Duke13_130 Start: 70730, Stop: 70798, Start Num: 4
Candidate Starts for Duke13_130:
(2, 70655), (Start: 4 @70730 has 23 MA's), (5, 70751),

Gene: EricMillard_127 Start: 72654, Stop: 72722, Start Num: 4

Candidate Starts for EricMillard_127:
(2, 72579), (Start: 4 @72654 has 23 MA's),

Gene: Halley_137 Start: 74466, Stop: 74534, Start Num: 4
Candidate Starts for Halley_137:
(Start: 4 @74466 has 23 MA's), (5, 74487),

Gene: HokkenD_127 Start: 73350, Stop: 73418, Start Num: 4
Candidate Starts for HokkenD_127:
(2, 73275), (Start: 4 @73350 has 23 MA's), (5, 73371),

Gene: Kalah2_125 Start: 72785, Stop: 72853, Start Num: 4
Candidate Starts for Kalah2_125:
(Start: 4 @72785 has 23 MA's), (5, 72806),

Gene: Klein_132 Start: 71387, Stop: 71455, Start Num: 4
Candidate Starts for Klein_132:
(2, 71312), (3, 71342), (Start: 4 @71387 has 23 MA's),

Gene: LittleE_137 Start: 73156, Stop: 73224, Start Num: 4
Candidate Starts for LittleE_137:
(1, 72922), (Start: 4 @73156 has 23 MA's),

Gene: MiaZeal_134 Start: 71171, Stop: 71239, Start Num: 4
Candidate Starts for MiaZeal_134:
(Start: 4 @71171 has 23 MA's),

Gene: Minerva_134 Start: 72837, Stop: 72905, Start Num: 4
Candidate Starts for Minerva_134:
(2, 72762), (3, 72792), (Start: 4 @72837 has 23 MA's),

Gene: NihilNomen_137 Start: 73696, Stop: 73764, Start Num: 4
Candidate Starts for NihilNomen_137:
(2, 73621), (3, 73651), (Start: 4 @73696 has 23 MA's), (5, 73717),

Gene: Omega_143a Start: 74837, Stop: 74905, Start Num: 4
Candidate Starts for Omega_143a:
(1, 74603), (Start: 4 @74837 has 23 MA's),

Gene: Optimus_126 Start: 70976, Stop: 71044, Start Num: 4
Candidate Starts for Optimus_126:
(Start: 4 @70976 has 23 MA's), (5, 70997),

Gene: Porcelain_132 Start: 70978, Stop: 71046, Start Num: 4
Candidate Starts for Porcelain_132:
(Start: 4 @70978 has 23 MA's),

Gene: Redno2_127 Start: 70978, Stop: 71046, Start Num: 4
Candidate Starts for Redno2_127:
(2, 70903), (Start: 4 @70978 has 23 MA's), (5, 70999),

Gene: Superphikiman_132 Start: 70454, Stop: 70522, Start Num: 4
Candidate Starts for Superphikiman_132:

(Start: 4 @70454 has 23 MA's),

Gene: Wanda_134 Start: 71316, Stop: 71384, Start Num: 4
Candidate Starts for Wanda_134:
(2, 71241), (Start: 4 @71316 has 23 MA's),