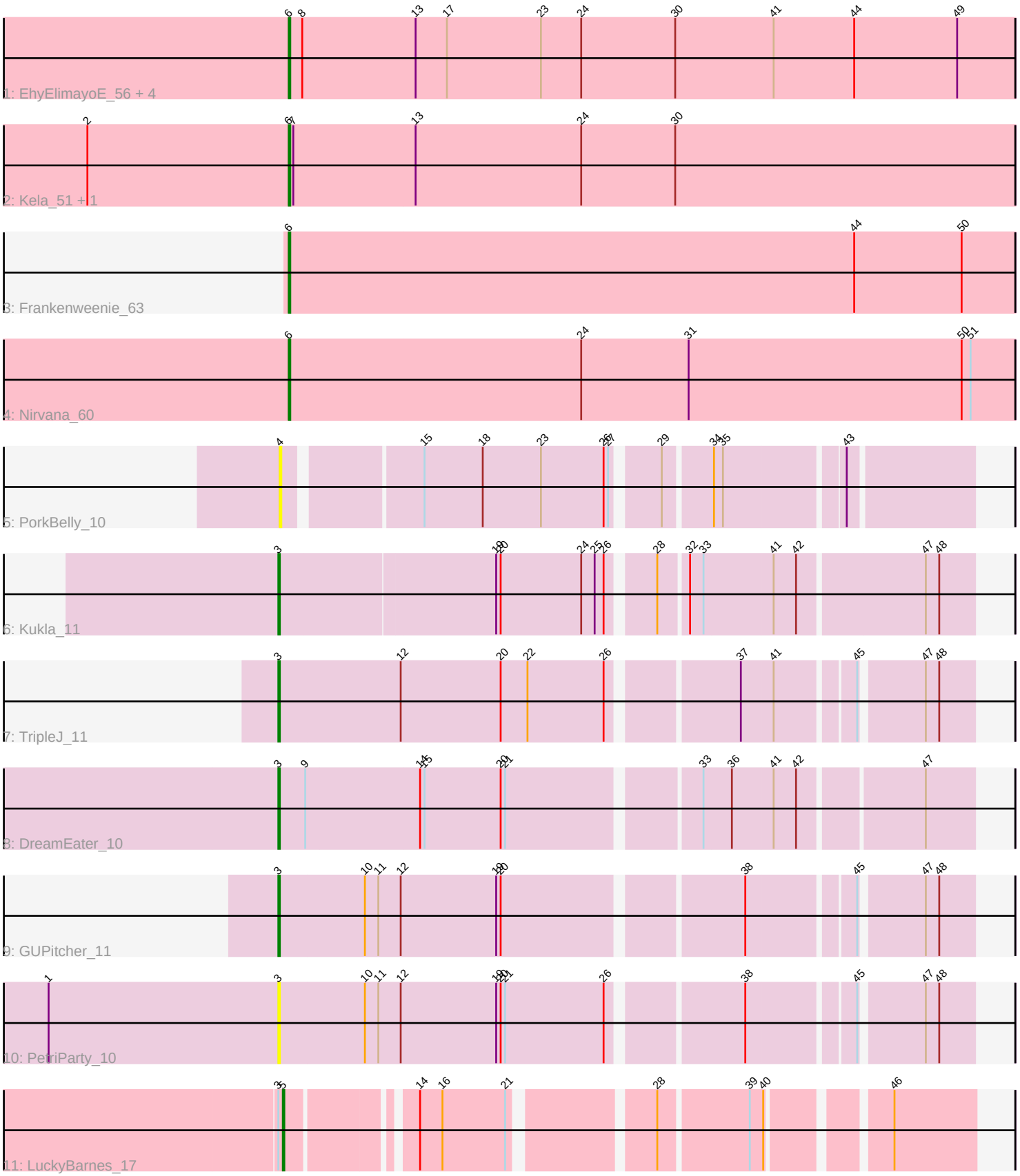
Pham 348120


1: EhyElimayoE_56 + 4
2: Kela_51 + 1
3: Frankenweenie_63
4: Nirvana_60
5: PorkBelly_10
6: Kukla_11
7: TripleJ_11
8: DreamEater_10
9: GUPitcher_11
10: PetriParty_10
11: LuckyBarnes_17

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 348120 Report

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

Pham number 348120 has 16 members, 2 are drafts.

Phages represented in each track:
• Track 1 : EhyElimayoE_56, Satis_56, Kradal_56, Quantum_55, Sarkar_56
• Track 2 : Kela_51, JustBecause_50
• Track 3 : Frankenweenie_63
• Track 4 : Nirvana_60
• Track 5 : PorkBelly_10
• Track 6 : Kukla_11
• Track 7 : TripleJ_11
• Track 8 : DreamEater_10
• Track 9 : GUPitcher_11
• Track 10 : PetriParty_10
• Track 11 : LuckyBarnes_17

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

The start number called the most often in the published annotations is 6, it was called in 9 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• EhyElimayoE_56, Frankenweenie_63, JustBecause_50, Kela_51, Kradal_56, Nirvana_60, Quantum_55, Sarkar_56, Satis_56,

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

Genes that do not have the "Most Annotated" start:
• DreamEater_10, GUPitcher_11, Kukla_11, LuckyBarnes_17, PetriParty_10, PorkBelly_10, TripleJ_11,

Summary by start number:

Start 3:
• Found in 6 of 16 (37.5%) of genes in pham
• Manual Annotations of this start: 4 of 14
• Called 83.3% of time when present

• Phage (with cluster) where this start called: DreamEater_10 (FJ), GUPitcher_11 (FJ), Kukla_11 (FJ), PetriParty_10 (FJ), TripleJ_11 (FJ),

Start 4:
• Found in 1 of 16 (6.2%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: PorkBelly_10 (FJ),

Start 5:
• Found in 1 of 16 (6.2%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: LuckyBarnes_17 (singleton),

Start 6:
• Found in 9 of 16 (56.2%) of genes in pham
• Manual Annotations of this start: 9 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: EhyElimayoE_56 (BM), Frankenweenie_63 (BM), JustBecause_50 (BM), Kela_51 (BM), Kradal_56 (BM), Nirvana_60 (BM), Quantum_55 (BM), Sarkar_56 (BM), Satis_56 (BM),

Summary by clusters:

There are 3 clusters represented in this pham: BM, FJ, singleton,

Info for manual annotations of cluster BM:
•Start number 6 was manually annotated 9 times for cluster BM.

Info for manual annotations of cluster FJ:
•Start number 3 was manually annotated 4 times for cluster FJ.

Gene Information:

Gene: DreamEater_10 Start: 8288, Stop: 8728, Start Num: 3
Candidate Starts for DreamEater_10:
(Start: 3 @8288 has 4 MA's), (9, 8306), (14, 8381), (15, 8384), (20, 8435), (21, 8438), (33, 8558), (36, 8576), (41, 8603), (42, 8618), (47, 8696),

Gene: EhyElimayoE_56 Start: 31125, Stop: 31610, Start Num: 6
Candidate Starts for EhyElimayoE_56:
(Start: 6 @31125 has 9 MA's), (8, 31134), (13, 31209), (17, 31230), (23, 31293), (24, 31320), (30, 31383), (41, 31449), (44, 31503), (49, 31572),

Gene: Frankenweenie_63 Start: 33718, Stop: 34203, Start Num: 6
Candidate Starts for Frankenweenie_63:
(Start: 6 @33718 has 9 MA's), (44, 34096), (50, 34168),

Gene: GUPitcher_11 Start: 7926, Stop: 8360, Start Num: 3
Candidate Starts for GUPitcher_11:

(Start: 3 @7926 has 4 MA's), (10, 7983), (11, 7992), (12, 8007), (19, 8070), (20, 8073), (38, 8223), (45, 8289), (47, 8328), (48, 8337),

Gene: JustBecause_50 Start: 28348, Stop: 28833, Start Num: 6
Candidate Starts for JustBecause_50:
(2, 28213), (Start: 6 @28348 has 9 MA's), (7, 28351), (13, 28432), (24, 28543), (30, 28606),

Gene: Kela_51 Start: 28213, Stop: 28698, Start Num: 6
Candidate Starts for Kela_51:
(2, 28078), (Start: 6 @28213 has 9 MA's), (7, 28216), (13, 28297), (24, 28408), (30, 28471),

Gene: Kradal_56 Start: 31125, Stop: 31610, Start Num: 6
Candidate Starts for Kradal_56:
(Start: 6 @31125 has 9 MA's), (8, 31134), (13, 31209), (17, 31230), (23, 31293), (24, 31320), (30, 31383), (41, 31449), (44, 31503), (49, 31572),

Gene: Kukla_11 Start: 7949, Stop: 8389, Start Num: 3
Candidate Starts for Kukla_11:
(Start: 3 @7949 has 4 MA's), (19, 8090), (20, 8093), (24, 8147), (25, 8156), (26, 8162), (28, 8189), (32, 8207), (33, 8216), (41, 8261), (42, 8276), (47, 8357), (48, 8366),

Gene: LuckyBarnes_17 Start: 10725, Stop: 11129, Start Num: 5
Candidate Starts for LuckyBarnes_17:
(Start: 3 @10722 has 4 MA's), (Start: 5 @10725 has 1 MA's), (14, 10800), (16, 10815), (21, 10857), (28, 10941), (39, 10998), (40, 11007), (46, 11076),

Gene: Nirvana_60 Start: 33091, Stop: 33576, Start Num: 6
Candidate Starts for Nirvana_60:
(Start: 6 @33091 has 9 MA's), (24, 33286), (31, 33358), (50, 33541), (51, 33547),

Gene: PetriParty_10 Start: 8233, Stop: 8667, Start Num: 3
Candidate Starts for PetriParty_10:
(1, 8080), (Start: 3 @8233 has 4 MA's), (10, 8290), (11, 8299), (12, 8314), (19, 8377), (20, 8380), (21, 8383), (26, 8449), (38, 8530), (45, 8596), (47, 8635), (48, 8644),

Gene: PorkBelly_10 Start: 7961, Stop: 8386, Start Num: 4
Candidate Starts for PorkBelly_10:
(4, 7961), (15, 8045), (18, 8084), (23, 8123), (26, 8165), (27, 8168), (29, 8195), (34, 8225), (35, 8231), (43, 8306),

Gene: Quantum_55 Start: 31125, Stop: 31610, Start Num: 6
Candidate Starts for Quantum_55:
(Start: 6 @31125 has 9 MA's), (8, 31134), (13, 31209), (17, 31230), (23, 31293), (24, 31320), (30, 31383), (41, 31449), (44, 31503), (49, 31572),

Gene: Sarkar_56 Start: 31125, Stop: 31610, Start Num: 6
Candidate Starts for Sarkar_56:
(Start: 6 @31125 has 9 MA's), (8, 31134), (13, 31209), (17, 31230), (23, 31293), (24, 31320), (30, 31383), (41, 31449), (44, 31503), (49, 31572),

Gene: Satis_56 Start: 31121, Stop: 31606, Start Num: 6
Candidate Starts for Satis_56:

(Start: 6 @31121 has 9 MA's), (8, 31130), (13, 31205), (17, 31226), (23, 31289), (24, 31316), (30, 31379), (41, 31445), (44, 31499), (49, 31568),

Gene: TripleJ_11 Start: 8245, Stop: 8679, Start Num: 3
Candidate Starts for TripleJ_11:
(Start: 3 @8245 has 4 MA's), (12, 8326), (20, 8392), (22, 8410), (26, 8461), (37, 8539), (41, 8560), (45, 8608), (47, 8647), (48, 8656),