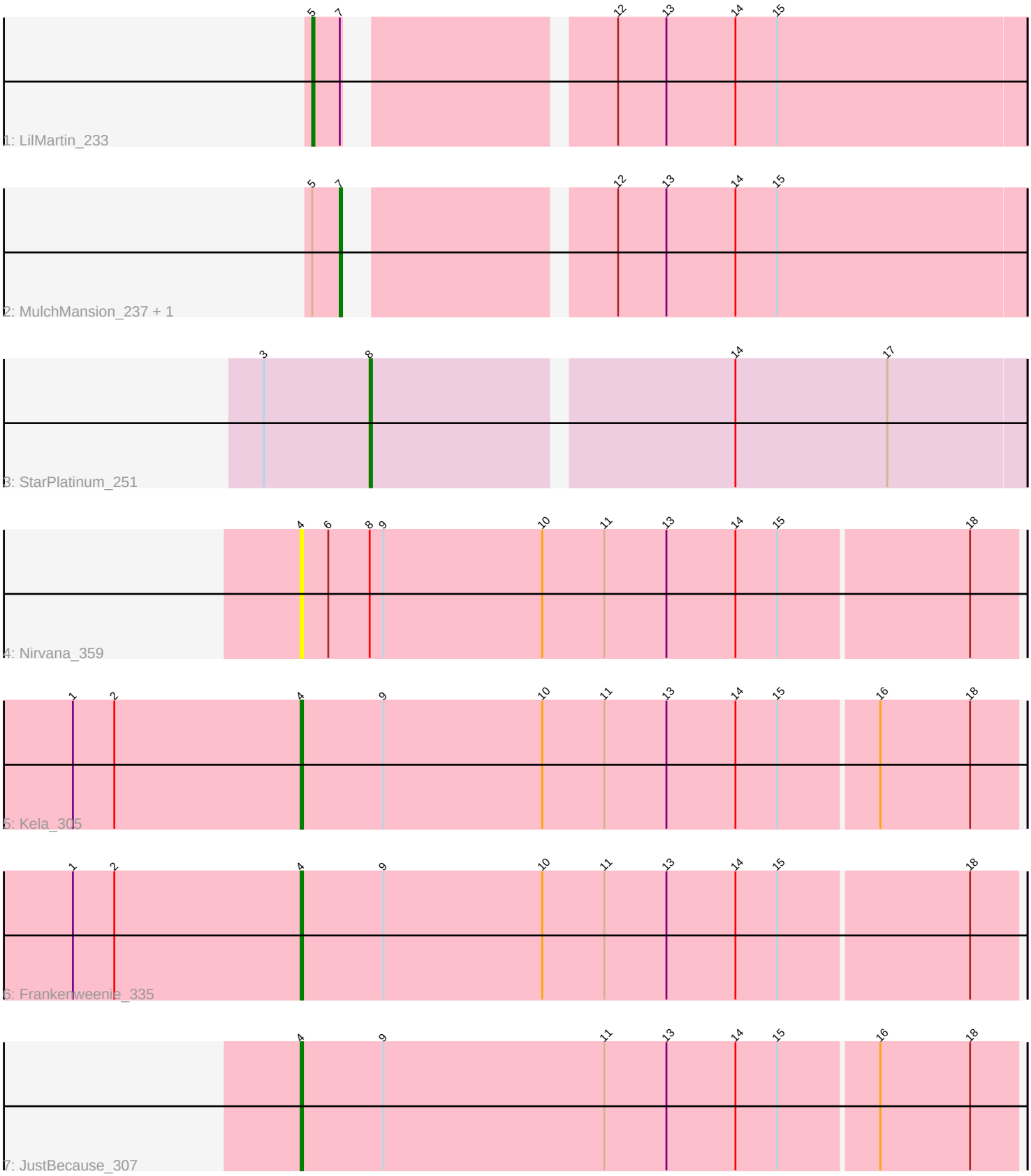
Pham 7108


5
7
12
13
14
15
1: LilMartin_233
5
7
12
13
14
15
2: MulchMansion_237 + 1
3
8
14
17
3: StarPlatinum_251
4
6
8
9
10
11
13
14
15
18
4: Nirvana_359
1
2
4
9
10
11
13
14
15
16
18
5: Kela_305
1
2
4
9
10
11
13
14
15
18
6: Frankenweenie_335
4
9
11
13
14
15
16
18
7: JustBecause_307

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 7108 Report

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

Pham number 7108 has 8 members, 1 are drafts.

Phages represented in each track:
• Track 1 : LilMartin_233
• Track 2 : MulchMansion_237, Angela_237
• Track 3 : StarPlatinum_251
• Track 4 : Nirvana_359
• Track 5 : Kela_305
• Track 6 : Frankenweenie_335
• Track 7 : JustBecause_307

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 3 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Frankenweenie_335, JustBecause_307, Kela_305, Nirvana_359,

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

Genes that do not have the "Most Annotated" start:
• Angela_237, LilMartin_233, MulchMansion_237, StarPlatinum_251,

Summary by start number:

Start 4:
• Found in 4 of 8 (50.0%) of genes in pham
• Manual Annotations of this start: 3 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Frankenweenie_335 (BM), JustBecause_307 (BM), Kela_305 (BM), Nirvana_359 (BM),

Start 5:
• Found in 3 of 8 (37.5%) of genes in pham
• Manual Annotations of this start: 1 of 7

• Called 33.3% of time when present
• Phage (with cluster) where this start called: LilMartin_233 (BE1),

Start 7:
• Found in 3 of 8 (37.5%) of genes in pham
• Manual Annotations of this start: 2 of 7
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Angela_237 (BE1), MulchMansion_237 (BE1),

Start 8:
• Found in 2 of 8 (25.0%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 50.0% of time when present
• Phage (with cluster) where this start called: StarPlatinum_251 (BE2),

Summary by clusters:

There are 3 clusters represented in this pham: BE2, BM, BE1,

Info for manual annotations of cluster BE1:
•Start number 5 was manually annotated 1 time for cluster BE1.
•Start number 7 was manually annotated 2 times for cluster BE1.

Info for manual annotations of cluster BE2:
•Start number 8 was manually annotated 1 time for cluster BE2.

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

Gene Information:

Gene: Angela_237 Start: 115716, Stop: 115991, Start Num: 7
Candidate Starts for Angela_237:
(Start: 5 @115704 has 1 MA's), (Start: 7 @115716 has 2 MA's), (12, 115815), (13, 115836), (14, 115866), (15, 115884),

Gene: Frankenweenie_335 Start: 181938, Stop: 181630, Start Num: 4
Candidate Starts for Frankenweenie_335:
(1, 182037), (2, 182019), (Start: 4 @181938 has 3 MA's), (9, 181902), (10, 181833), (11, 181806), (13, 181779), (14, 181749), (15, 181731), (18, 181650),

Gene: JustBecause_307 Start: 165778, Stop: 165470, Start Num: 4
Candidate Starts for JustBecause_307:
(Start: 4 @165778 has 3 MA's), (9, 165742), (11, 165646), (13, 165619), (14, 165589), (15, 165571), (16, 165529), (18, 165490),

Gene: Kela_305 Start: 166673, Stop: 166365, Start Num: 4
Candidate Starts for Kela_305:
(1, 166772), (2, 166754), (Start: 4 @166673 has 3 MA's), (9, 166637), (10, 166568), (11, 166541), (13, 166514), (14, 166484), (15, 166466), (16, 166424), (18, 166385),

Gene: LilMartin_233 Start: 114644, Stop: 114931, Start Num: 5
Candidate Starts for LilMartin_233:
(Start: 5 @114644 has 1 MA's), (Start: 7 @114656 has 2 MA's), (12, 114755), (13, 114776), (14, 114806), (15, 114824),

Gene: MulchMansion_237 Start: 116290, Stop: 116565, Start Num: 7
Candidate Starts for MulchMansion_237:
(Start: 5 @116278 has 1 MA's), (Start: 7 @116290 has 2 MA's), (12, 116389), (13, 116410), (14, 116440), (15, 116458),

Gene: Nirvana_359 Start: 184909, Stop: 184601, Start Num: 4
Candidate Starts for Nirvana_359:
(Start: 4 @184909 has 3 MA's), (6, 184897), (Start: 8 @184879 has 1 MA's), (9, 184873), (10, 184804), (11, 184777), (13, 184750), (14, 184720), (15, 184702), (18, 184621),

Gene: StarPlatinum_251 Start: 115954, Stop: 116229, Start Num: 8
Candidate Starts for StarPlatinum_251:
(3, 115912), (Start: 8 @115954 has 1 MA's), (14, 116104), (17, 116170),