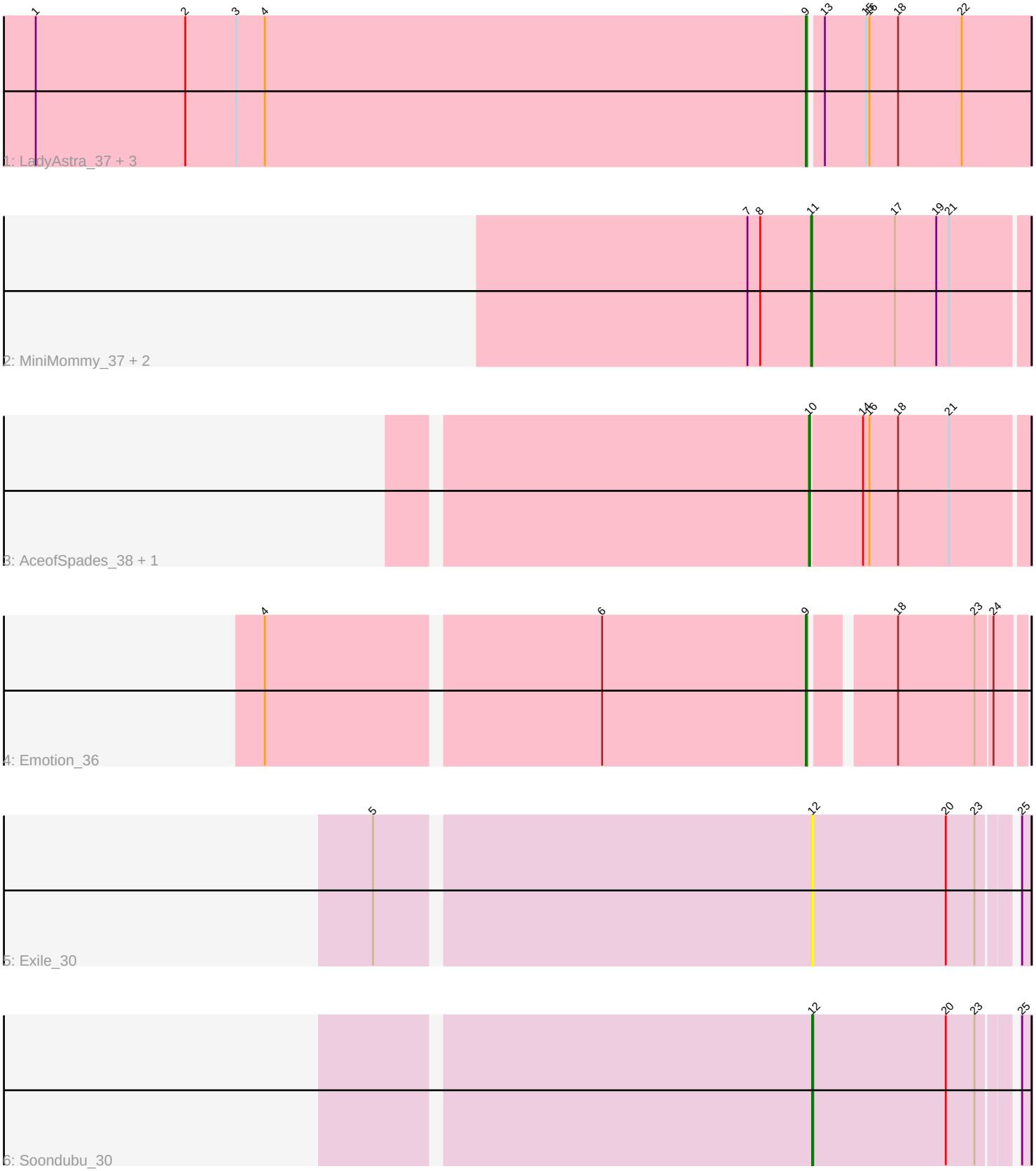
Pham 346339


1
2
3
4
9
13
15
16
18
22
1: LadyAstra_37 + 3
7
8
11
17
19
21
2: MiniMommy_37 + 2
10
14
15
18
21
3: AceofSpades_38 + 1
4
6
9
18
23
24
4: Emotion_36
5
12
20
23
25
5: Exile_30
12
20
23
25
6: Soondubu_30

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 346339 Report

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

Pham number 346339 has 12 members, 3 are drafts.

Phages represented in each track:
• Track 1 : LadyAstra_37, FiveHead_41, JohnThicc_37, Origami_37
• Track 2 : MiniMommy_37, ShakeItOph_37, JasmineDragon_37
• Track 3 : AceofSpades_38, VroomVroom_37
• Track 4 : Emotion_36
• Track 5 : Exile_30
• Track 6 : Soondubu_30

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

The start number called the most often in the published annotations is 9, it was called in 4 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Emotion_36, FiveHead_41, JohnThicc_37, LadyAstra_37, Origami_37,

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

Genes that do not have the "Most Annotated" start:
• AceofSpades_38, Exile_30, JasmineDragon_37, MiniMommy_37, ShakeItOph_37, Soondubu_30, VroomVroom_37,

Summary by start number:

Start 9:
• Found in 5 of 12 (41.7%) of genes in pham
• Manual Annotations of this start: 4 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Emotion_36 (AZ4), FiveHead_41 (AZ4), JohnThicc_37 (AZ4), LadyAstra_37 (AZ4), Origami_37 (AZ4),

Start 10:
• Found in 2 of 12 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 9

• Called 100.0% of time when present
• Phage (with cluster) where this start called: AceofSpades_38 (AZ4), VroomVroom_37 (AZ4),

Start 11:
• Found in 3 of 12 (25.0%) of genes in pham
• Manual Annotations of this start: 3 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: JasmineDragon_37 (AZ4), MiniMommy_37 (AZ4), ShakeItOph_37 (AZ4),

Start 12:
• Found in 2 of 12 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Exile_30 (AZ6), Soondubu_30 (AZ6),

Summary by clusters:

There are 2 clusters represented in this pham: AZ4, AZ6,

Info for manual annotations of cluster AZ4:
•Start number 9 was manually annotated 4 times for cluster AZ4.
•Start number 10 was manually annotated 1 time for cluster AZ4.
•Start number 11 was manually annotated 3 times for cluster AZ4.

Info for manual annotations of cluster AZ6:
•Start number 12 was manually annotated 1 time for cluster AZ6.

Gene Information:

Gene: AceofSpades_38 Start: 26285, Stop: 26485, Start Num: 10
Candidate Starts for AceofSpades_38:
(Start: 10 @26285 has 1 MA's), (14, 26333), (16, 26339), (18, 26366), (21, 26414),

Gene: Emotion_36 Start: 25935, Stop: 26117, Start Num: 9
Candidate Starts for Emotion_36:
(4, 25440), (6, 25743), (Start: 9 @25935 has 4 MA's), (18, 26004), (23, 26076), (24, 26091),

Gene: Exile_30 Start: 26256, Stop: 26447, Start Num: 12
Candidate Starts for Exile_30:
(5, 25857), (Start: 12 @26256 has 1 MA's), (20, 26382), (23, 26409), (25, 26439),

Gene: FiveHead_41 Start: 26141, Stop: 26347, Start Num: 9
Candidate Starts for FiveHead_41:
(1, 25415), (2, 25556), (3, 25604), (4, 25631), (Start: 9 @26141 has 4 MA's), (13, 26153), (15, 26192), (16, 26195), (18, 26222), (22, 26282),

Gene: JasmineDragon_37 Start: 26049, Stop: 26249, Start Num: 11
Candidate Starts for JasmineDragon_37:
(7, 25989), (8, 26001), (Start: 11 @26049 has 3 MA's), (17, 26127), (19, 26166), (21, 26178),

Gene: JohnThicc_37 Start: 26141, Stop: 26347, Start Num: 9
Candidate Starts for JohnThicc_37:
(1, 25415), (2, 25556), (3, 25604), (4, 25631), (Start: 9 @26141 has 4 MA's), (13, 26153), (15, 26192), (16, 26195), (18, 26222), (22, 26282),

Gene: LadyAstra_37 Start: 26083, Stop: 26289, Start Num: 9
Candidate Starts for LadyAstra_37:
(1, 25357), (2, 25498), (3, 25546), (4, 25573), (Start: 9 @26083 has 4 MA's), (13, 26095), (15, 26134), (16, 26137), (18, 26164), (22, 26224),

Gene: MiniMommy_37 Start: 26050, Stop: 26250, Start Num: 11
Candidate Starts for MiniMommy_37:
(7, 25990), (8, 26002), (Start: 11 @26050 has 3 MA's), (17, 26128), (19, 26167), (21, 26179),

Gene: Origami_37 Start: 26083, Stop: 26289, Start Num: 9
Candidate Starts for Origami_37:
(1, 25357), (2, 25498), (3, 25546), (4, 25573), (Start: 9 @26083 has 4 MA's), (13, 26095), (15, 26134), (16, 26137), (18, 26164), (22, 26224),

Gene: ShakeItOph_37 Start: 26049, Stop: 26249, Start Num: 11
Candidate Starts for ShakeItOph_37:
(7, 25989), (8, 26001), (Start: 11 @26049 has 3 MA's), (17, 26127), (19, 26166), (21, 26178),

Gene: Soondubu_30 Start: 26260, Stop: 26451, Start Num: 12
Candidate Starts for Soondubu_30:
(Start: 12 @26260 has 1 MA's), (20, 26386), (23, 26413), (25, 26443),

Gene: VroomVroom_37 Start: 26147, Stop: 26347, Start Num: 10
Candidate Starts for VroomVroom_37:
(Start: 10 @26147 has 1 MA's), (14, 26195), (16, 26201), (18, 26228), (21, 26276),