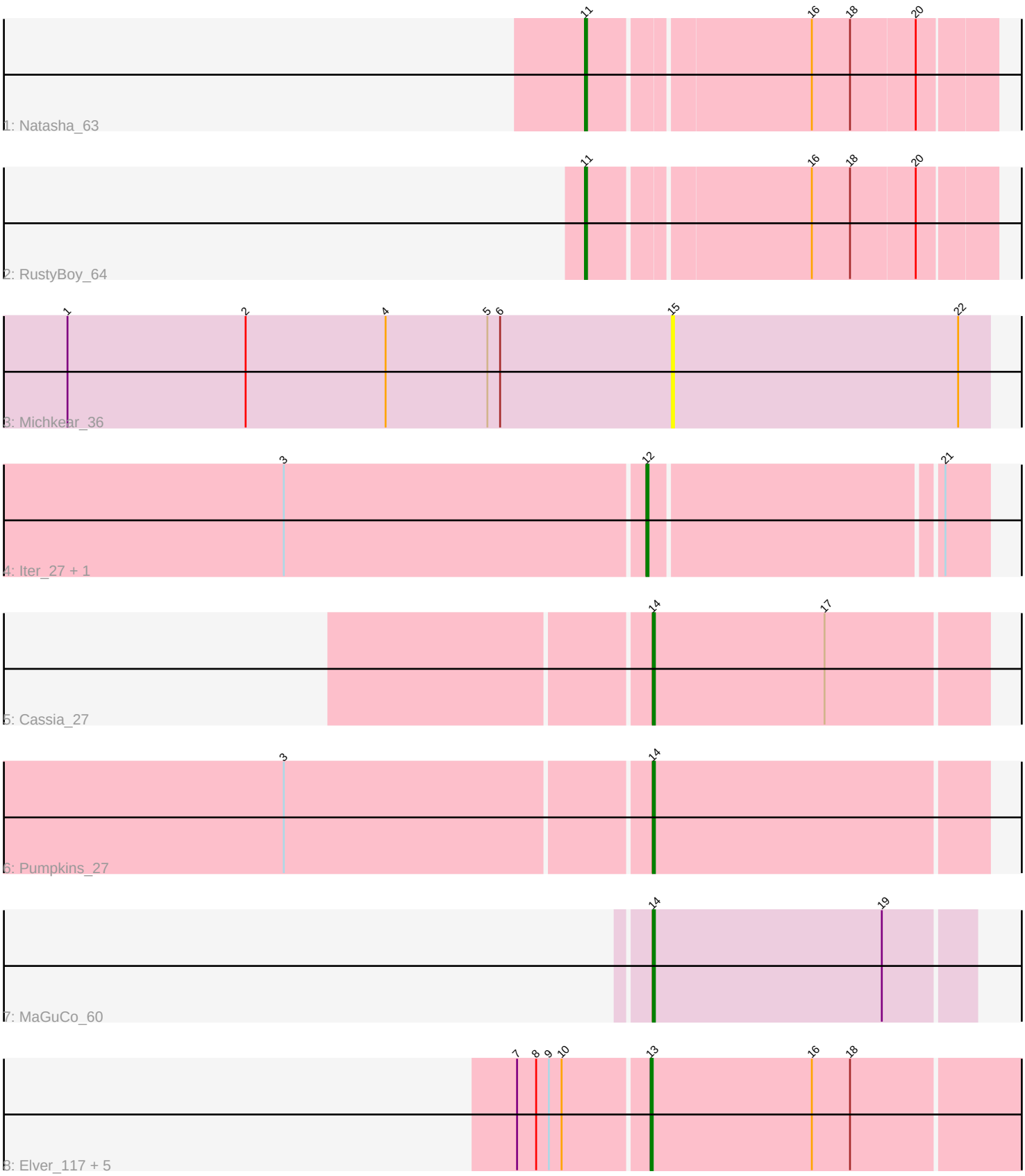
Pham 348171


11
16
18
20
1: Natasha_63
11
16
18
20
2: RustyBoy_64
1
2
4
5
6
15
22
3: Michkear_36
3
12
21
4: Iter_27 + 1
14
17
5: Cassia_27
3
14
6: Pumpkins_27
14
19
7: MaGuCo_60
7
8
9
10
13
16
18
8: Elver_117 + 5

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 348171 Report

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

Pham number 348171 has 14 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Natasha_63
• Track 2 : RustyBoy_64
• Track 3 : Michkear_36
• Track 4 : Iter_27, Ascela_27
• Track 5 : Cassia_27
• Track 6 : Pumpkins_27
• Track 7 : MaGuCo_60
• Track 8 : Elver_117, JeNeSaisPas_114, Kureo_115, Paella_117, Marianna39_115, Gandionco_114

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

The start number called the most often in the published annotations is 13, it was called in 3 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Elver_117, Gandionco_114, JeNeSaisPas_114, Kureo_115, Marianna39_115, Paella_117,

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

Genes that do not have the "Most Annotated" start:
• Ascela_27, Cassia_27, Iter_27, MaGuCo_60, Michkear_36, Natasha_63, Pumpkins_27, RustyBoy_64,

Summary by start number:

Start 11:
• Found in 2 of 14 (14.3%) of genes in pham
• Manual Annotations of this start: 2 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Natasha_63 (AW), RustyBoy_64 (AW),

Start 12:
• Found in 2 of 14 (14.3%) of genes in pham
• Manual Annotations of this start: 2 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ascela_27 (AZ1), Iter_27 (AZ1),

Start 13:
• Found in 6 of 14 (42.9%) of genes in pham
• Manual Annotations of this start: 3 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Elver_117 (FK), Gandionco_114 (FK), JeNeSaisPas_114 (FK), Kureo_115 (FK), Marianna39_115 (FK), Paella_117 (FK),

Start 14:
• Found in 3 of 14 (21.4%) of genes in pham
• Manual Annotations of this start: 3 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cassia_27 (AZ1), MaGuCo_60 (AZ2), Pumpkins_27 (AZ1),

Start 15:
• Found in 1 of 14 (7.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Michkear_36 (AZ),

Summary by clusters:

There are 5 clusters represented in this pham: FK, AZ1, AZ2, AZ, AW,

Info for manual annotations of cluster AW:
•Start number 11 was manually annotated 2 times for cluster AW.

Info for manual annotations of cluster AZ1:
•Start number 12 was manually annotated 2 times for cluster AZ1.
•Start number 14 was manually annotated 2 times for cluster AZ1.

Info for manual annotations of cluster AZ2:
•Start number 14 was manually annotated 1 time for cluster AZ2.

Info for manual annotations of cluster FK:
•Start number 13 was manually annotated 3 times for cluster FK.

Gene Information:

Gene: Ascela_27 Start: 22290, Stop: 22442, Start Num: 12
Candidate Starts for Ascela_27:
(3, 22122), (Start: 12 @22290 has 2 MA's), (21, 22422),

Gene: Cassia_27 Start: 22739, Stop: 22894, Start Num: 14

Candidate Starts for Cassia_27:
(Start: 14 @22739 has 3 MA's), (17, 22820),

Gene: Elver_117 Start: 65001, Stop: 65186, Start Num: 13
Candidate Starts for Elver_117:
(7, 64941), (8, 64950), (9, 64956), (10, 64962), (Start: 13 @65001 has 3 MA's), (16, 65076), (18, 65094),

Gene: Gandionco_114 Start: 63813, Stop: 63998, Start Num: 13
Candidate Starts for Gandionco_114:
(7, 63753), (8, 63762), (9, 63768), (10, 63774), (Start: 13 @63813 has 3 MA's), (16, 63888), (18, 63906),

Gene: Iter_27 Start: 22290, Stop: 22442, Start Num: 12
Candidate Starts for Iter_27:
(3, 22122), (Start: 12 @22290 has 2 MA's), (21, 22422),

Gene: JeNeSaisPas_114 Start: 64419, Stop: 64604, Start Num: 13
Candidate Starts for JeNeSaisPas_114:
(7, 64359), (8, 64368), (9, 64374), (10, 64380), (Start: 13 @64419 has 3 MA's), (16, 64494), (18, 64512),

Gene: Kureo_115 Start: 64009, Stop: 64194, Start Num: 13
Candidate Starts for Kureo_115:
(7, 63949), (8, 63958), (9, 63964), (10, 63970), (Start: 13 @64009 has 3 MA's), (16, 64084), (18, 64102),

Gene: MaGuCo_60 Start: 42542, Stop: 42691, Start Num: 14
Candidate Starts for MaGuCo_60:
(Start: 14 @42542 has 3 MA's), (19, 42650),

Gene: Marianna39_115 Start: 64424, Stop: 64609, Start Num: 13
Candidate Starts for Marianna39_115:
(7, 64364), (8, 64373), (9, 64379), (10, 64385), (Start: 13 @64424 has 3 MA's), (16, 64499), (18, 64517),

Gene: Michkear_36 Start: 26303, Stop: 26452, Start Num: 15
Candidate Starts for Michkear_36:
(1, 26018), (2, 26102), (4, 26168), (5, 26216), (6, 26222), (15, 26303), (22, 26438),

Gene: Natasha_63 Start: 41159, Stop: 41341, Start Num: 11
Candidate Starts for Natasha_63:
(Start: 11 @41159 has 2 MA's), (16, 41258), (18, 41276), (20, 41306),

Gene: Paella_117 Start: 65589, Stop: 65774, Start Num: 13
Candidate Starts for Paella_117:
(7, 65529), (8, 65538), (9, 65544), (10, 65550), (Start: 13 @65589 has 3 MA's), (16, 65664), (18, 65682),

Gene: Pumpkins_27 Start: 23159, Stop: 23314, Start Num: 14
Candidate Starts for Pumpkins_27:
(3, 22991), (Start: 14 @23159 has 3 MA's),

Gene: RustyBoy_64 Start: 41358, Stop: 41540, Start Num: 11
Candidate Starts for RustyBoy_64:
(Start: 11 @41358 has 2 MA's), (16, 41457), (18, 41475), (20, 41505),