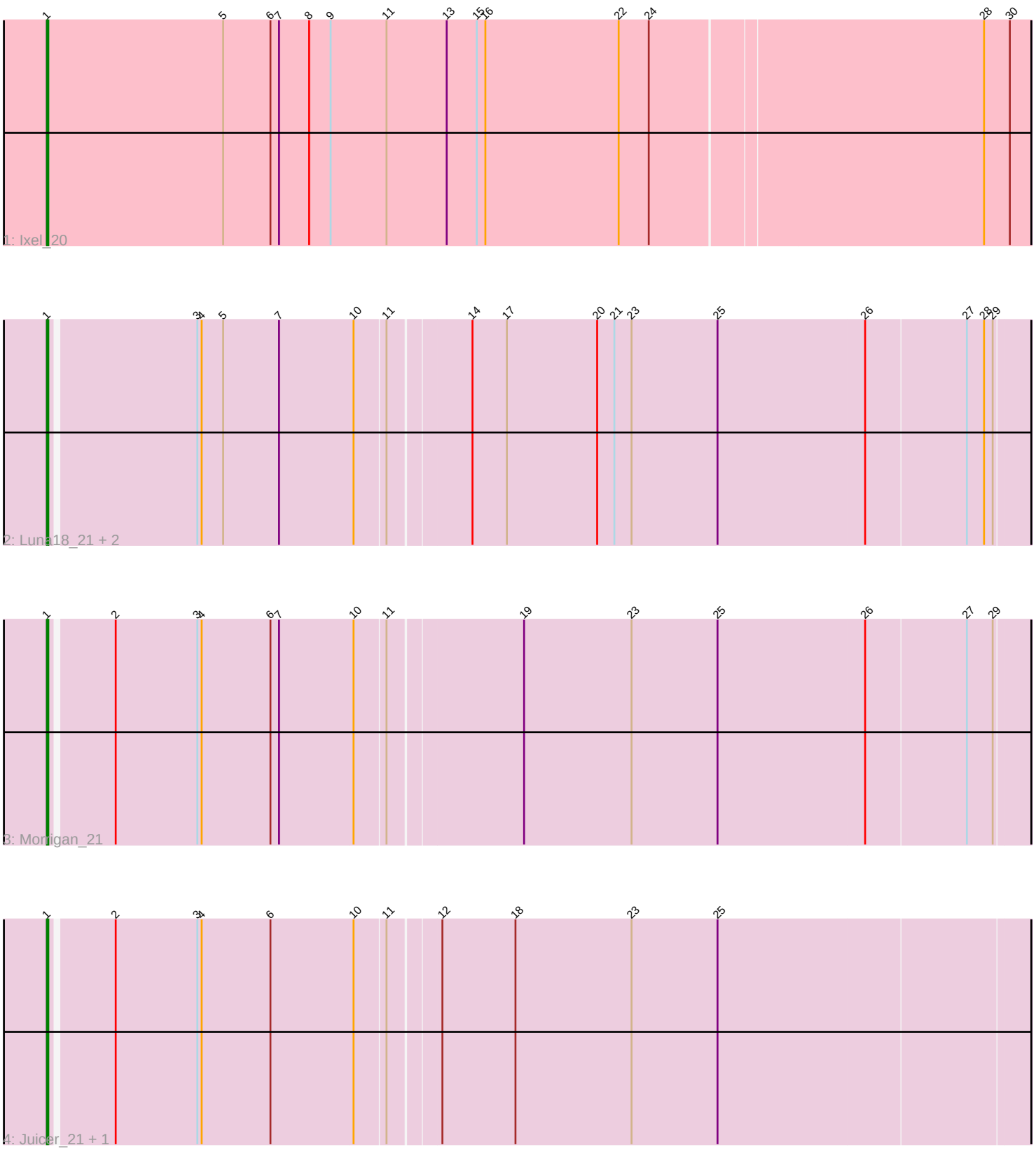
Pham 346504


1
5
6
7
8
9
11
13
15
16
22
24
28
30
1: Ixel_20
1
3
4
5
7
10
11
14
17
20
21
23
25
26
27
28
29
2: Luna18_21 + 2
1
2
3
4
6
7
10
11
19
23
25
26
27
29
3: Morrigan_21
1
2
3
6
10
11
12
18
23
25
4: Juicer_21 + 1

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 346504 Report

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

Pham number 346504 has 7 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Ixel_20
• Track 2 : Luna18_21, KatChan_21, Chepli_21
• Track 3 : Morrigan_21
• Track 4 : Juicer_21, Jemerald_21

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

The start number called the most often in the published annotations is 1, it was called in 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Chepli_21, Ixel_20, Jemerald_21, Juicer_21, KatChan_21, Luna18_21, Morrigan_21,

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 1:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 7 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Chepli_21 (EA6), Ixel_20 (EA11), Jemerald_21 (EA6), Juicer_21 (EA6), KatChan_21 (EA6), Luna18_21 (EA6), Morrigan_21 (EA6),

Summary by clusters:

There are 2 clusters represented in this pham: EA11, EA6,

Info for manual annotations of cluster EA11:
•Start number 1 was manually annotated 1 time for cluster EA11.

Info for manual annotations of cluster EA6:
•Start number 1 was manually annotated 6 times for cluster EA6.

Gene Information:

Gene: Chepli_21 Start: 16243, Stop: 16908, Start Num: 1
Candidate Starts for Chepli_21:
(Start: 1 @16243 has 7 MA's), (3, 16342), (4, 16345), (5, 16360), (7, 16399), (10, 16450), (11, 16471), (14, 16525), (17, 16549), (20, 16612), (21, 16624), (23, 16636), (25, 16696), (26, 16798), (27, 16867), (28, 16879), (29, 16885),

Gene: Ixel_20 Start: 15379, Stop: 16056, Start Num: 1
Candidate Starts for Ixel_20:
(Start: 1 @15379 has 7 MA's), (5, 15502), (6, 15535), (7, 15541), (8, 15562), (9, 15577), (11, 15616), (13, 15658), (15, 15679), (16, 15685), (22, 15778), (24, 15799), (28, 16024), (30, 16042),

Gene: Jemerald_21 Start: 17194, Stop: 17859, Start Num: 1
Candidate Starts for Jemerald_21:
(Start: 1 @17194 has 7 MA's), (2, 17236), (3, 17293), (4, 17296), (6, 17344), (10, 17401), (11, 17422), (12, 17455), (18, 17506), (23, 17587), (25, 17647),

Gene: Juicer_21 Start: 17194, Stop: 17859, Start Num: 1
Candidate Starts for Juicer_21:
(Start: 1 @17194 has 7 MA's), (2, 17236), (3, 17293), (4, 17296), (6, 17344), (10, 17401), (11, 17422), (12, 17455), (18, 17506), (23, 17587), (25, 17647),

Gene: KatChan_21 Start: 16249, Stop: 16914, Start Num: 1
Candidate Starts for KatChan_21:
(Start: 1 @16249 has 7 MA's), (3, 16348), (4, 16351), (5, 16366), (7, 16405), (10, 16456), (11, 16477), (14, 16531), (17, 16555), (20, 16618), (21, 16630), (23, 16642), (25, 16702), (26, 16804), (27, 16873), (28, 16885), (29, 16891),

Gene: Luna18_21 Start: 16249, Stop: 16914, Start Num: 1
Candidate Starts for Luna18_21:
(Start: 1 @16249 has 7 MA's), (3, 16348), (4, 16351), (5, 16366), (7, 16405), (10, 16456), (11, 16477), (14, 16531), (17, 16555), (20, 16618), (21, 16630), (23, 16642), (25, 16702), (26, 16804), (27, 16873), (28, 16885), (29, 16891),

Gene: Morrigan_21 Start: 17147, Stop: 17812, Start Num: 1
Candidate Starts for Morrigan_21:
(Start: 1 @17147 has 7 MA's), (2, 17189), (3, 17246), (4, 17249), (6, 17297), (7, 17303), (10, 17354), (11, 17375), (19, 17465), (23, 17540), (25, 17600), (26, 17702), (27, 17771), (29, 17789),