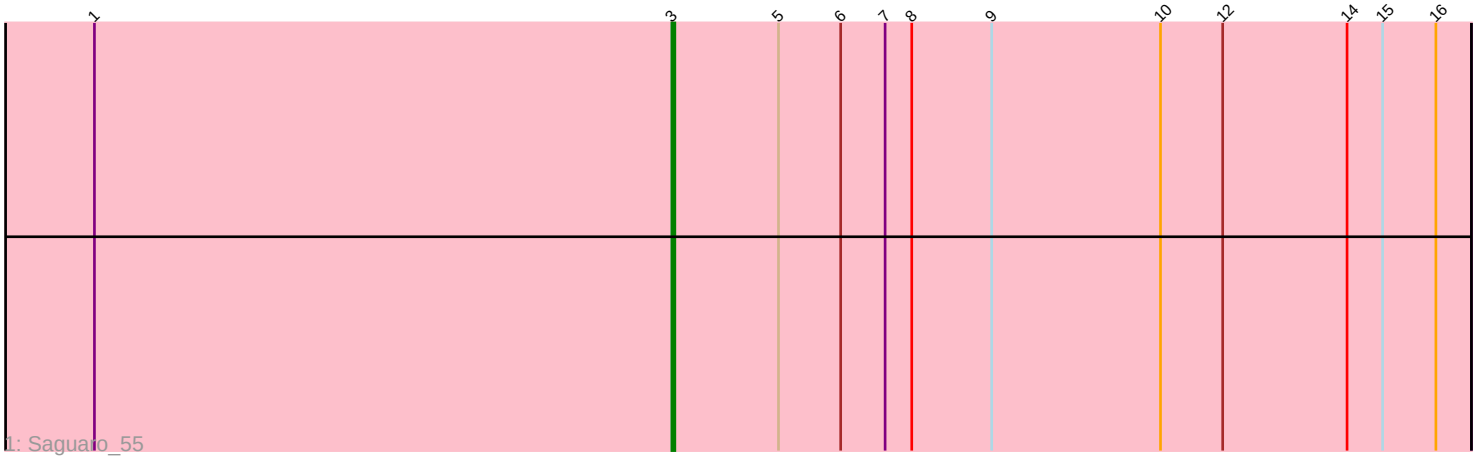
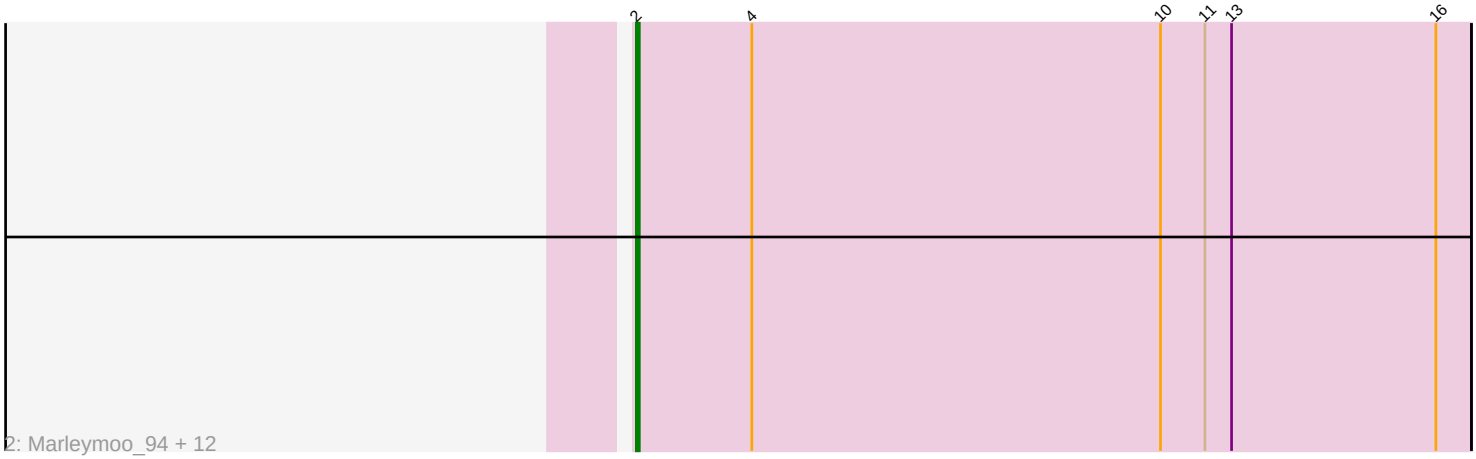
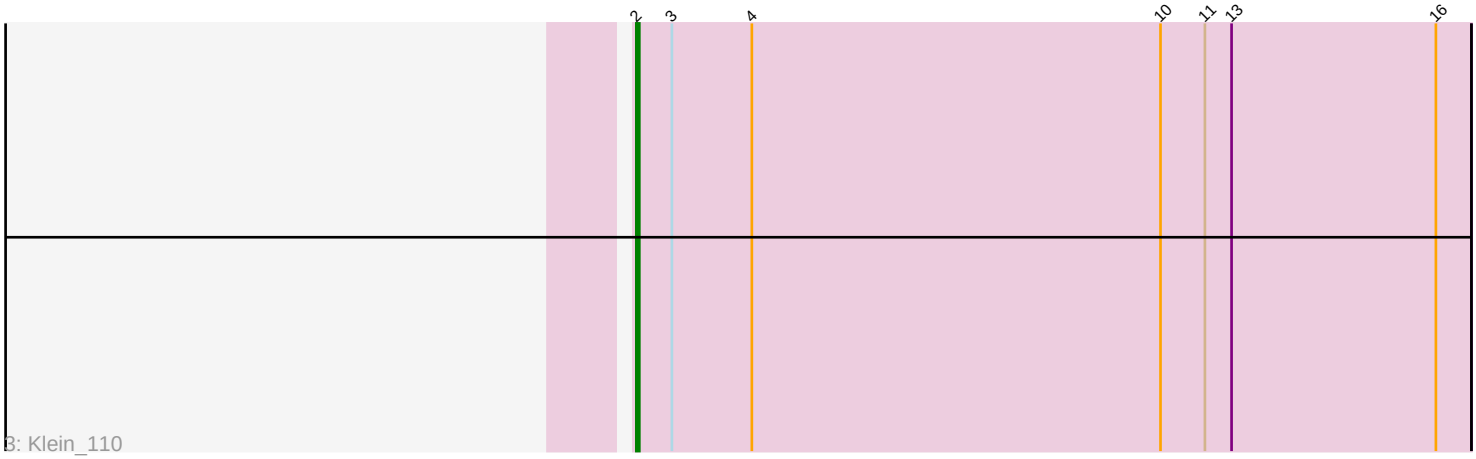
Pham 348147


1
3
5
6
7
8
9
10
12
14
15
16
1: Saguaro_55


2
4
10
11
13
16
2: Marleymoo_94 + 12


2
3
4
10
11
13
16
3: Klein_110

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 348147 Report

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

Pham number 348147 has 15 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Saguaro_55
• Track 2 : Marleymoo_94, Optimus_104, Bombitas_99, BAKA_111, Dove_96, Wanda_113, Pound_102, Minerva_110, NihilNomen_112, Duke13_106, HokkenD_100, Schatzie_105, Yeet_102
• Track 3 : Klein_110

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

The start number called the most often in the published annotations is 2, it was called in 13 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BAKA_111, Bombitas_99, Dove_96, Duke13_106, HokkenD_100, Klein_110, Marleymoo_94, Minerva_110, NihilNomen_112, Optimus_104, Pound_102, Schatzie_105, Wanda_113, Yeet_102,

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

Genes that do not have the "Most Annotated" start:
• Saguaro_55,

Summary by start number:

Start 2:
• Found in 14 of 15 (93.3%) of genes in pham
• Manual Annotations of this start: 13 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BAKA_111 (J), Bombitas_99 (J), Dove_96 (J), Duke13_106 (J), HokkenD_100 (J), Klein_110 (J), Marleymoo_94 (J), Minerva_110 (J), NihilNomen_112 (J), Optimus_104 (J), Pound_102 (J), Schatzie_105 (J), Wanda_113 (J), Yeet_102 (J),

Start 3:

• Found in 2 of 15 (13.3%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Saguaro_55 (B7),

Summary by clusters:

There are 2 clusters represented in this pham: J, B7,

Info for manual annotations of cluster B7:
•Start number 3 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster J:
•Start number 2 was manually annotated 13 times for cluster J.

Gene Information:

Gene: BAKA_111 Start: 63801, Stop: 64082, Start Num: 2
Candidate Starts for BAKA_111:
(Start: 2 @63801 has 13 MA's), (4, 63840), (10, 63978), (11, 63993), (13, 64002), (16, 64071),

Gene: Bombitas_99 Start: 61026, Stop: 61307, Start Num: 2
Candidate Starts for Bombitas_99:
(Start: 2 @61026 has 13 MA's), (4, 61065), (10, 61203), (11, 61218), (13, 61227), (16, 61296),

Gene: Dove_96 Start: 59292, Stop: 59573, Start Num: 2
Candidate Starts for Dove_96:
(Start: 2 @59292 has 13 MA's), (4, 59331), (10, 59469), (11, 59484), (13, 59493), (16, 59562),

Gene: Duke13_106 Start: 61469, Stop: 61750, Start Num: 2
Candidate Starts for Duke13_106:
(Start: 2 @61469 has 13 MA's), (4, 61508), (10, 61646), (11, 61661), (13, 61670), (16, 61739),

Gene: HokkenD_100 Start: 62132, Stop: 62413, Start Num: 2
Candidate Starts for HokkenD_100:
(Start: 2 @62132 has 13 MA's), (4, 62171), (10, 62309), (11, 62324), (13, 62333), (16, 62402),

Gene: Klein_110 Start: 62530, Stop: 62811, Start Num: 2
Candidate Starts for Klein_110:
(Start: 2 @62530 has 13 MA's), (Start: 3 @62542 has 1 MA's), (4, 62569), (10, 62707), (11, 62722), (13, 62731), (16, 62800),

Gene: Marleymoo_94 Start: 60990, Stop: 61271, Start Num: 2
Candidate Starts for Marleymoo_94:
(Start: 2 @60990 has 13 MA's), (4, 61029), (10, 61167), (11, 61182), (13, 61191), (16, 61260),

Gene: Minerva_110 Start: 63809, Stop: 64090, Start Num: 2
Candidate Starts for Minerva_110:
(Start: 2 @63809 has 13 MA's), (4, 63848), (10, 63986), (11, 64001), (13, 64010), (16, 64079),

Gene: NihilNomen_112 Start: 63950, Stop: 64231, Start Num: 2

Candidate Starts for NihilNomen_112:
(Start: 2 @63950 has 13 MA's), (4, 63989), (10, 64127), (11, 64142), (13, 64151), (16, 64220),

Gene: Optimus_104 Start: 62481, Stop: 62762, Start Num: 2
Candidate Starts for Optimus_104:
(Start: 2 @62481 has 13 MA's), (4, 62520), (10, 62658), (11, 62673), (13, 62682), (16, 62751),

Gene: Pound_102 Start: 62827, Stop: 63108, Start Num: 2
Candidate Starts for Pound_102:
(Start: 2 @62827 has 13 MA's), (4, 62866), (10, 63004), (11, 63019), (13, 63028), (16, 63097),

Gene: Saguaro_55 Start: 49468, Stop: 49199, Start Num: 3
Candidate Starts for Saguaro_55:
(1, 49663), (Start: 3 @49468 has 1 MA's), (5, 49432), (6, 49411), (7, 49396), (8, 49387), (9, 49360), (10, 49303), (12, 49282), (14, 49240), (15, 49228), (16, 49210),

Gene: Schatzie_105 Start: 62740, Stop: 63021, Start Num: 2
Candidate Starts for Schatzie_105:
(Start: 2 @62740 has 13 MA's), (4, 62779), (10, 62917), (11, 62932), (13, 62941), (16, 63010),

Gene: Wanda_113 Start: 62807, Stop: 63088, Start Num: 2
Candidate Starts for Wanda_113:
(Start: 2 @62807 has 13 MA's), (4, 62846), (10, 62984), (11, 62999), (13, 63008), (16, 63077),

Gene: Yeet_102 Start: 61905, Stop: 62186, Start Num: 2
Candidate Starts for Yeet_102:
(Start: 2 @61905 has 13 MA's), (4, 61944), (10, 62082), (11, 62097), (13, 62106), (16, 62175),