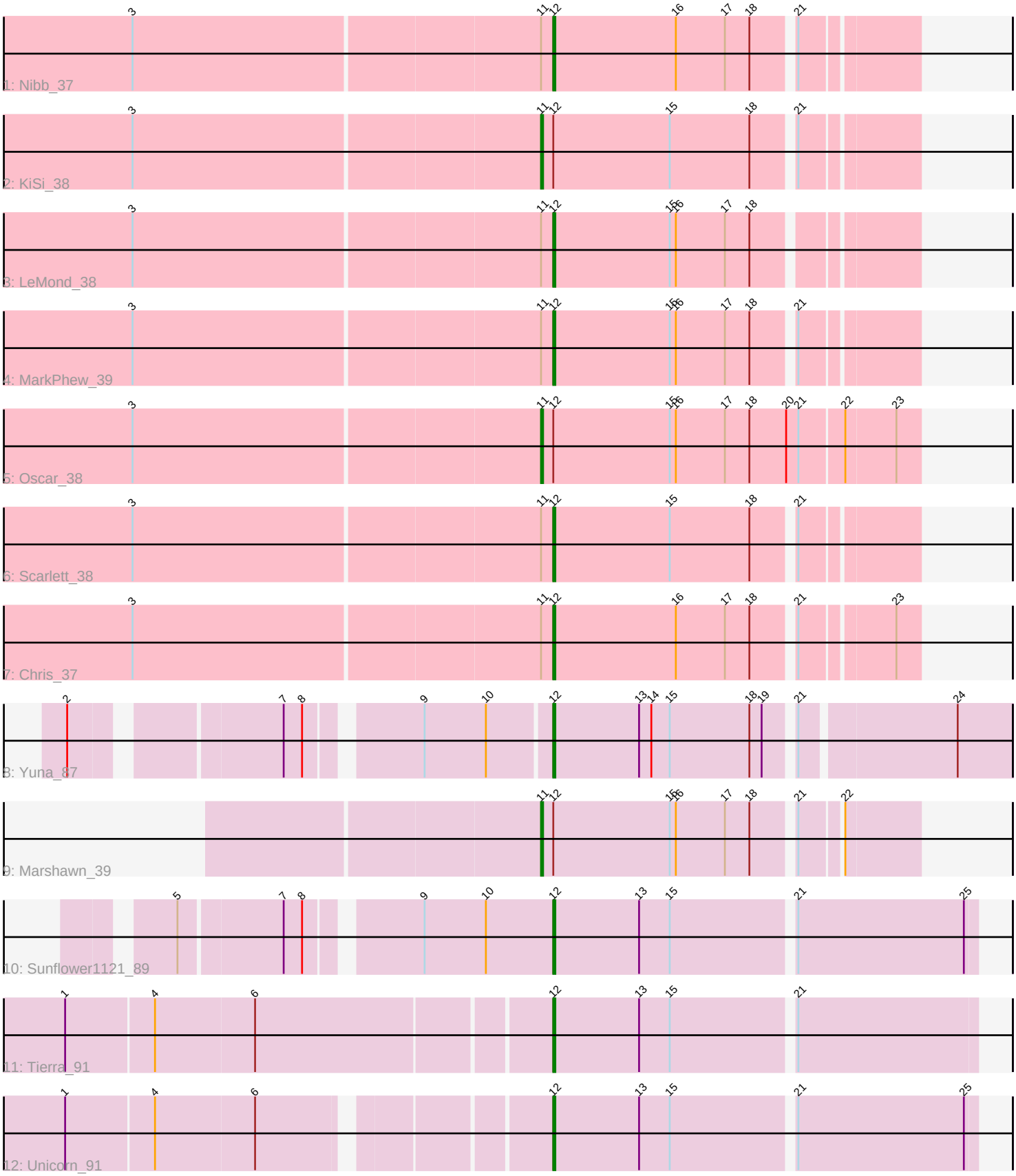
Pham 87206


1: Nibb_37
2: KiSi_38
3: LeMond_38
4: MarkPhew_39
5: Oscar_38
6: Scarlett_38
7: Chris_37
8: Yuna_87
9: Marshawn_39
10: Sunflower1121_89
11: Tierra_91
12: Unicorn_91

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 87206 Report

This analysis was run 04/28/24 on database version 559.

Pham number 87206 has 12 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Nibb_37
• Track 2 : KiSi_38
• Track 3 : LeMond_38
• Track 4 : MarkPhew_39
• Track 5 : Oscar_38
• Track 6 : Scarlett_38
• Track 7 : Chris_37
• Track 8 : Yuna_87
• Track 9 : Marshawn_39
• Track 10 : Sunflower1121_89
• Track 11 : Tierra_91
• Track 12 : Unicorn_91

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

The start number called the most often in the published annotations is 12, it was called in 9 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Chris_37, LeMond_38, MarkPhew_39, Nibb_37, Scarlett_38, Sunflower1121_89, Tierra_91, Unicorn_91, Yuna_87,

Genes that have the "Most Annotated" start but do not call it:
• KiSi_38, Marshawn_39, Oscar_38,

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

Summary by start number:

Start 11:
• Found in 8 of 12 (66.7%) of genes in pham
• Manual Annotations of this start: 3 of 12
• Called 37.5% of time when present

• Phage (with cluster) where this start called: KiSi_38 (K1), Marshawn_39 (K6), Oscar_38 (K1),

Start 12:
• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 9 of 12
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Chris_37 (K1), LeMond_38 (K1), MarkPhew_39 (K1), Nibb_37 (K1), Scarlett_38 (K1), Sunflower1121_89 (K6), Tierra_91 (K6), Unicorn_91 (K6), Yuna_87 (K6),

Summary by clusters:

There are 2 clusters represented in this pham: K1, K6,

Info for manual annotations of cluster K1:
•Start number 11 was manually annotated 2 times for cluster K1.
•Start number 12 was manually annotated 5 times for cluster K1.

Info for manual annotations of cluster K6:
•Start number 11 was manually annotated 1 time for cluster K6.
•Start number 12 was manually annotated 4 times for cluster K6.

Gene Information:

Gene: Chris_37 Start: 29849, Stop: 30016, Start Num: 12
Candidate Starts for Chris_37:
(3, 29648), (Start: 11 @29843 has 3 MA's), (Start: 12 @29849 has 9 MA's), (16, 29909), (17, 29933), (18, 29945), (21, 29963), (23, 30005),

Gene: KiSi_38 Start: 29952, Stop: 30125, Start Num: 11
Candidate Starts for KiSi_38:
(3, 29757), (Start: 11 @29952 has 3 MA's), (Start: 12 @29958 has 9 MA's), (15, 30015), (18, 30054), (21, 30072),

Gene: LeMond_38 Start: 30029, Stop: 30196, Start Num: 12
Candidate Starts for LeMond_38:
(3, 29828), (Start: 11 @30023 has 3 MA's), (Start: 12 @30029 has 9 MA's), (15, 30086), (16, 30089), (17, 30113), (18, 30125),

Gene: MarkPhew_39 Start: 29921, Stop: 30088, Start Num: 12
Candidate Starts for MarkPhew_39:
(3, 29720), (Start: 11 @29915 has 3 MA's), (Start: 12 @29921 has 9 MA's), (15, 29978), (16, 29981), (17, 30005), (18, 30017), (21, 30035),

Gene: Marshawn_39 Start: 30328, Stop: 30501, Start Num: 11
Candidate Starts for Marshawn_39:
(Start: 11 @30328 has 3 MA's), (Start: 12 @30334 has 9 MA's), (15, 30391), (16, 30394), (17, 30418), (18, 30430), (21, 30448), (22, 30466),

Gene: Nibb_37 Start: 29486, Stop: 29653, Start Num: 12

Candidate Starts for Nibb_37:
(3, 29285), (Start: 11 @29480 has 3 MA's), (Start: 12 @29486 has 9 MA's), (16, 29546), (17, 29570), (18, 29582), (21, 29600),

Gene: Oscar_38 Start: 30025, Stop: 30207, Start Num: 11
Candidate Starts for Oscar_38:
(3, 29830), (Start: 11 @30025 has 3 MA's), (Start: 12 @30031 has 9 MA's), (15, 30088), (16, 30091), (17, 30115), (18, 30127), (20, 30145), (21, 30151), (22, 30172), (23, 30196),

Gene: Scarlett_38 Start: 30031, Stop: 30198, Start Num: 12
Candidate Starts for Scarlett_38:
(3, 29830), (Start: 11 @30025 has 3 MA's), (Start: 12 @30031 has 9 MA's), (15, 30088), (18, 30127), (21, 30145),

Gene: Sunflower1121_89 Start: 54079, Stop: 54279, Start Num: 12
Candidate Starts for Sunflower1121_89:
(5, 53911), (7, 53959), (8, 53968), (9, 54016), (10, 54046), (Start: 12 @54079 has 9 MA's), (13, 54121), (15, 54136), (21, 54193), (25, 54274),

Gene: Tierra_91 Start: 55336, Stop: 55536, Start Num: 12
Candidate Starts for Tierra_91:
(1, 55108), (4, 55150), (6, 55198), (Start: 12 @55336 has 9 MA's), (13, 55378), (15, 55393), (21, 55450),

Gene: Unicorn_91 Start: 55047, Stop: 55247, Start Num: 12
Candidate Starts for Unicorn_91:
(1, 54831), (4, 54873), (6, 54921), (Start: 12 @55047 has 9 MA's), (13, 55089), (15, 55104), (21, 55161), (25, 55242),

Gene: Yuna_87 Start: 55563, Stop: 55775, Start Num: 12
Candidate Starts for Yuna_87:
(2, 55356), (7, 55446), (8, 55455), (9, 55503), (10, 55533), (Start: 12 @55563 has 9 MA's), (13, 55605), (14, 55611), (15, 55620), (18, 55659), (19, 55665), (21, 55677), (24, 55749),