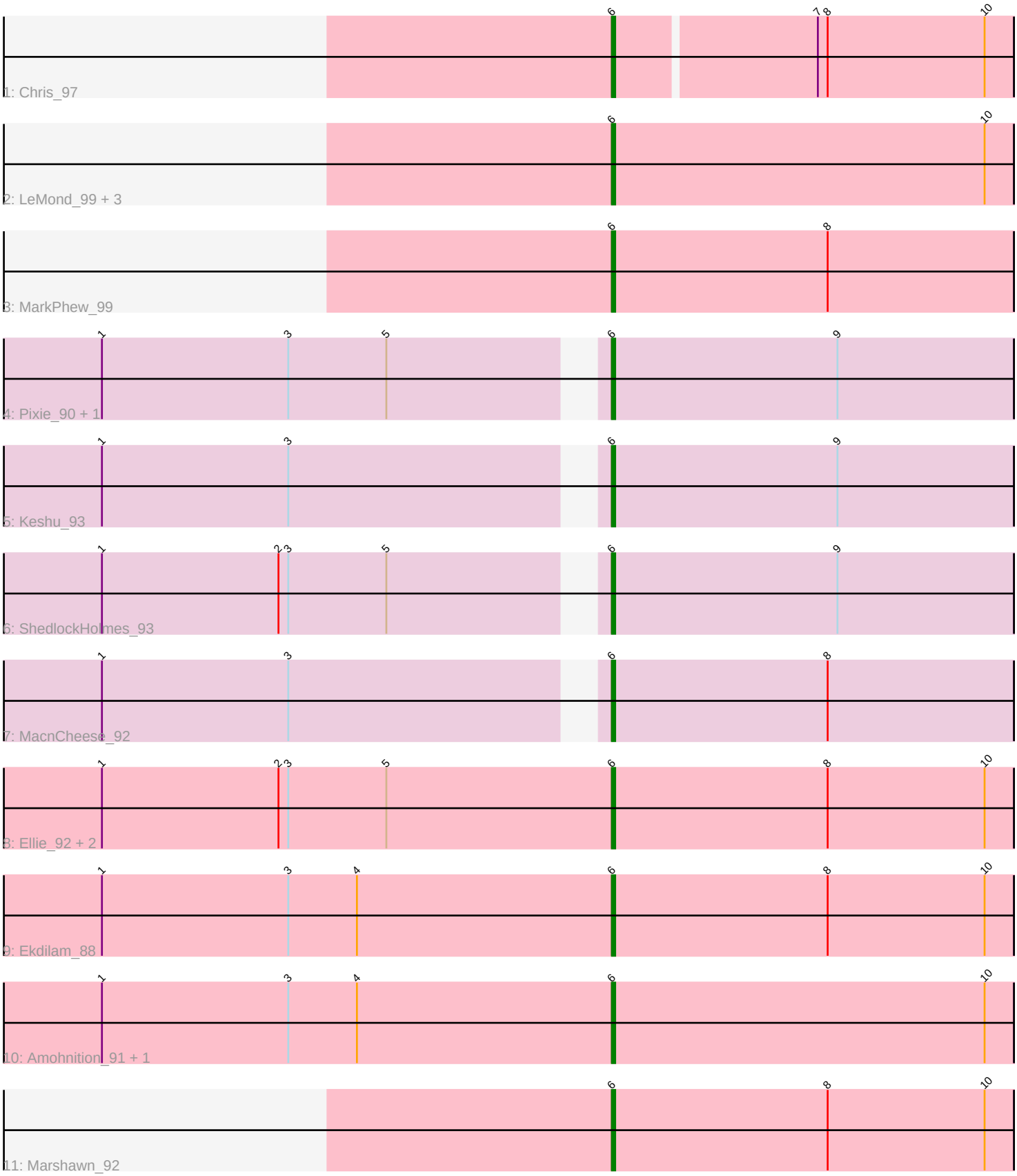
Pham 3977


1: Chris_97
6
7
8
10
2: LeMond_99 + 3
6
10
3: MarkPhew_99
6
8
4: Pixie_90 + 1
1
3
5
6
9
5: Keshu_93
1
3
6
9
6: ShedlockHolmes_93
1
2
3
5
6
9
7: MacnCheese_92
1
3
6
8
8: Ellie_92 + 2
1
2
3
5
6
8
10
9: Ekdilam_88
1
3
4
6
8
10
10: Amohnition_91 + 1
1
3
4
6
10
11: Marshawn_92
6
8
10

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 3977 Report

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

Pham number 3977 has 18 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Chris_97
• Track 2 : LeMond_99, Scarlett_99, KiSi_100, Oscar_100
• Track 3 : MarkPhew_99
• Track 4 : Pixie_90, TBond007_87
• Track 5 : Keshu_93
• Track 6 : ShedlockHolmes_93
• Track 7 : MacnCheese_92
• Track 8 : Ellie_92, Fefferhead_94, Amgine_93
• Track 9 : Ekdilam_88
• Track 10 : Amohnition_91, DarthP_91
• Track 11 : Marshawn_92

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

The start number called the most often in the published annotations is 6, it was called in 18 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amgine_93, Amohnition_91, Chris_97, DarthP_91, Ekdilam_88, Ellie_92, Fefferhead_94, Keshu_93, KiSi_100, LeMond_99, MacnCheese_92, MarkPhew_99, Marshawn_92, Oscar_100, Pixie_90, Scarlett_99, ShedlockHolmes_93, TBond007_87,

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 6:
• Found in 18 of 18 (100.0%) of genes in pham
• Manual Annotations of this start: 18 of 18

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amgine_93 (K6), Amohnition_91 (K6), Chris_97 (K1), DarthP_91 (K6), Ekdilam_88 (K6), Ellie_92 (K6), Fefferhead_94 (K6), Keshu_93 (K3), KiSi_100 (K1), LeMond_99 (K1), MacnCheese_92 (K3), MarkPhew_99 (K1), Marshawn_92 (K6), Oscar_100 (K1), Pixie_90 (K3), Scarlett_99 (K1), ShedlockHolmes_93 (K3), TBond007_87 (K3),

Summary by clusters:

There are 3 clusters represented in this pham: K3, K1, K6,

Info for manual annotations of cluster K1:
•Start number 6 was manually annotated 6 times for cluster K1.

Info for manual annotations of cluster K3:
•Start number 6 was manually annotated 5 times for cluster K3.

Info for manual annotations of cluster K6:
•Start number 6 was manually annotated 7 times for cluster K6.

Gene Information:

Gene: Amgine_93 Start: 60005, Stop: 60127, Start Num: 6
Candidate Starts for Amgine_93:
(1, 59849), (2, 59903), (3, 59906), (5, 59936), (Start: 6 @60005 has 18 MA's), (8, 60071), (10, 60119),

Gene: Amohnition_91 Start: 59492, Stop: 59614, Start Num: 6
Candidate Starts for Amohnition_91:
(1, 59336), (3, 59393), (4, 59414), (Start: 6 @59492 has 18 MA's), (10, 59606),

Gene: Chris_97 Start: 60357, Stop: 60476, Start Num: 6
Candidate Starts for Chris_97:
(Start: 6 @60357 has 18 MA's), (7, 60417), (8, 60420), (10, 60468),

Gene: DarthP_91 Start: 59325, Stop: 59447, Start Num: 6
Candidate Starts for DarthP_91:
(1, 59169), (3, 59226), (4, 59247), (Start: 6 @59325 has 18 MA's), (10, 59439),

Gene: Ekdilam_88 Start: 59824, Stop: 59946, Start Num: 6
Candidate Starts for Ekdilam_88:
(1, 59668), (3, 59725), (4, 59746), (Start: 6 @59824 has 18 MA's), (8, 59890), (10, 59938),

Gene: Ellie_92 Start: 59715, Stop: 59837, Start Num: 6
Candidate Starts for Ellie_92:
(1, 59559), (2, 59613), (3, 59616), (5, 59646), (Start: 6 @59715 has 18 MA's), (8, 59781), (10, 59829),

Gene: Fefferhead_94 Start: 59136, Stop: 59258, Start Num: 6
Candidate Starts for Fefferhead_94:
(1, 58980), (2, 59034), (3, 59037), (5, 59067), (Start: 6 @59136 has 18 MA's), (8, 59202), (10, 59250),

Gene: Keshu_93 Start: 57116, Stop: 57238, Start Num: 6

Candidate Starts for Keshu_93:
(1, 56972), (3, 57029), (Start: 6 @57116 has 18 MA's), (9, 57185),

Gene: KiSi_100 Start: 60850, Stop: 60972, Start Num: 6
Candidate Starts for KiSi_100:
(Start: 6 @60850 has 18 MA's), (10, 60964),

Gene: LeMond_99 Start: 60807, Stop: 60929, Start Num: 6
Candidate Starts for LeMond_99:
(Start: 6 @60807 has 18 MA's), (10, 60921),

Gene: MacnCheese_92 Start: 57346, Stop: 57468, Start Num: 6
Candidate Starts for MacnCheese_92:
(1, 57202), (3, 57259), (Start: 6 @57346 has 18 MA's), (8, 57412),

Gene: MarkPhew_99 Start: 60429, Stop: 60551, Start Num: 6
Candidate Starts for MarkPhew_99:
(Start: 6 @60429 has 18 MA's), (8, 60495),

Gene: Marshawn_92 Start: 59656, Stop: 59778, Start Num: 6
Candidate Starts for Marshawn_92:
(Start: 6 @59656 has 18 MA's), (8, 59722), (10, 59770),

Gene: Oscar_100 Start: 60729, Stop: 60851, Start Num: 6
Candidate Starts for Oscar_100:
(Start: 6 @60729 has 18 MA's), (10, 60843),

Gene: Pixie_90 Start: 56524, Stop: 56646, Start Num: 6
Candidate Starts for Pixie_90:
(1, 56380), (3, 56437), (5, 56467), (Start: 6 @56524 has 18 MA's), (9, 56593),

Gene: Scarlett_99 Start: 60598, Stop: 60720, Start Num: 6
Candidate Starts for Scarlett_99:
(Start: 6 @60598 has 18 MA's), (10, 60712),

Gene: ShedlockHolmes_93 Start: 56947, Stop: 57069, Start Num: 6
Candidate Starts for ShedlockHolmes_93:
(1, 56803), (2, 56857), (3, 56860), (5, 56890), (Start: 6 @56947 has 18 MA's), (9, 57016),

Gene: TBond007_87 Start: 56523, Stop: 56645, Start Num: 6
Candidate Starts for TBond007_87:
(1, 56379), (3, 56436), (5, 56466), (Start: 6 @56523 has 18 MA's), (9, 56592),