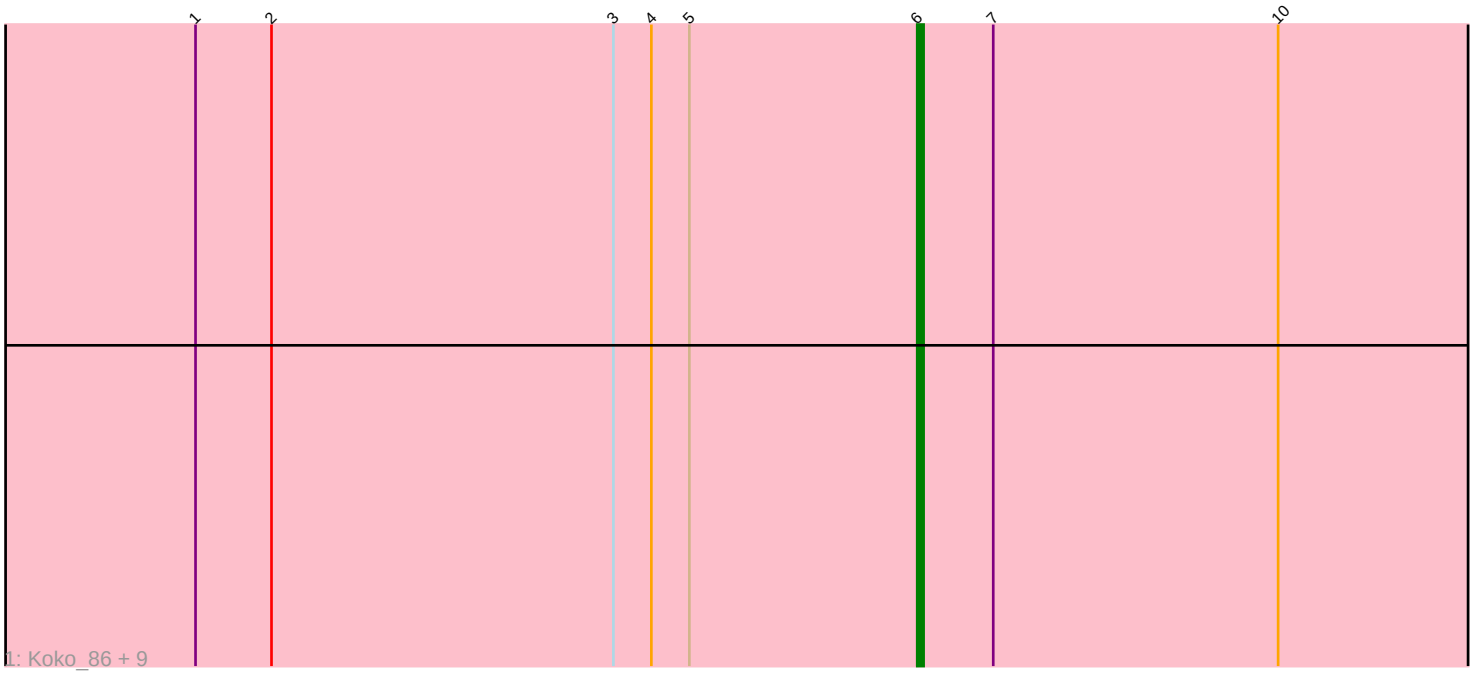
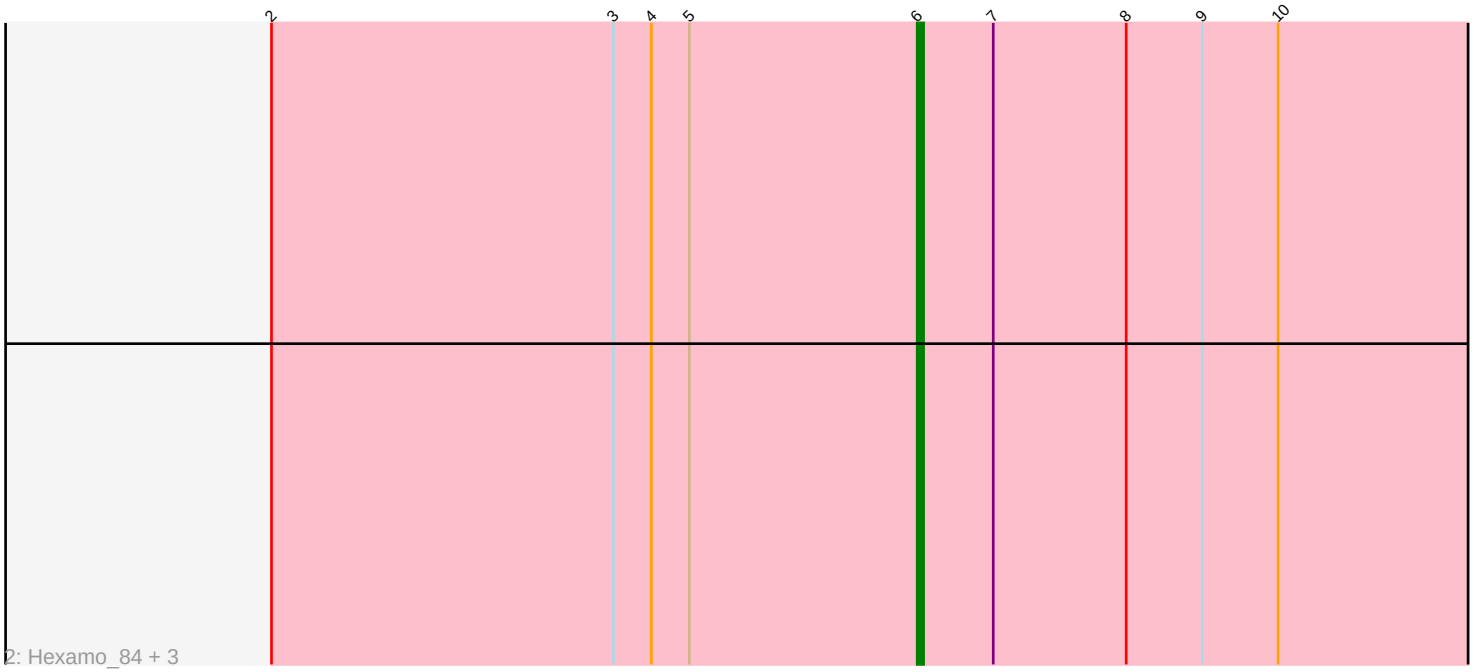
Pham 303771





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 303771 Report

This analysis was run 06/08/26 on database version 649.

Pham number 303771 has 14 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Koko_86, WunderPhul_85, Lilbunny_84, Zulu_86, Yokurt_84, Roksolana_85, Wiks_84, BlessJoy_85, Blue7_86, Temprado_86
• Track 2 : Hexamo_84, Gladiator_81, Rifter_85, Gruunaga_84

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 14 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BlessJoy_85, Blue7_86, Gladiator_81, Gruunaga_84, Hexamo_84, Koko_86, Lilbunny_84, Rifter_85, Roksolana_85, Temprado_86, Wiks_84, WunderPhul_85, Yokurt_84, Zulu_86,

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 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 14 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BlessJoy_85 (A6), Blue7_86 (A6), Gladiator_81 (A6), Gruunaga_84 (A6), Hexamo_84 (A6), Koko_86 (A6), Lilbunny_84 (A6), Rifter_85 (A6), Roksolana_85 (A6), Temprado_86 (A6), Wiks_84 (A6), WunderPhul_85 (A6), Yokurt_84 (A6), Zulu_86 (A6),

Summary by clusters:

There is one cluster represented in this pham: A6

Info for manual annotations of cluster A6:
•Start number 6 was manually annotated 14 times for cluster A6.

Gene Information:

Gene: BlessJoy_85 Start: 46086, Stop: 45997, Start Num: 6
Candidate Starts for BlessJoy_85:
(1, 46200), (2, 46188), (3, 46134), (4, 46128), (5, 46122), (Start: 6 @46086 has 14 MA's), (7, 46074), (10, 46029),

Gene: Blue7_86 Start: 45784, Stop: 45695, Start Num: 6
Candidate Starts for Blue7_86:
(1, 45898), (2, 45886), (3, 45832), (4, 45826), (5, 45820), (Start: 6 @45784 has 14 MA's), (7, 45772), (10, 45727),

Gene: Gladiator_81 Start: 45750, Stop: 45661, Start Num: 6
Candidate Starts for Gladiator_81:
(2, 45852), (3, 45798), (4, 45792), (5, 45786), (Start: 6 @45750 has 14 MA's), (7, 45738), (8, 45717), (9, 45705), (10, 45693),

Gene: Gruunaga_84 Start: 45705, Stop: 45616, Start Num: 6
Candidate Starts for Gruunaga_84:
(2, 45807), (3, 45753), (4, 45747), (5, 45741), (Start: 6 @45705 has 14 MA's), (7, 45693), (8, 45672), (9, 45660), (10, 45648),

Gene: Hexamo_84 Start: 45580, Stop: 45491, Start Num: 6
Candidate Starts for Hexamo_84:
(2, 45682), (3, 45628), (4, 45622), (5, 45616), (Start: 6 @45580 has 14 MA's), (7, 45568), (8, 45547), (9, 45535), (10, 45523),

Gene: Koko_86 Start: 46417, Stop: 46328, Start Num: 6
Candidate Starts for Koko_86:
(1, 46531), (2, 46519), (3, 46465), (4, 46459), (5, 46453), (Start: 6 @46417 has 14 MA's), (7, 46405), (10, 46360),

Gene: Lilbunny_84 Start: 45659, Stop: 45570, Start Num: 6
Candidate Starts for Lilbunny_84:
(1, 45773), (2, 45761), (3, 45707), (4, 45701), (5, 45695), (Start: 6 @45659 has 14 MA's), (7, 45647), (10, 45602),

Gene: Rifter_85 Start: 45207, Stop: 45118, Start Num: 6
Candidate Starts for Rifter_85:
(2, 45309), (3, 45255), (4, 45249), (5, 45243), (Start: 6 @45207 has 14 MA's), (7, 45195), (8, 45174), (9, 45162), (10, 45150),

Gene: Roksolana_85 Start: 45923, Stop: 45834, Start Num: 6
Candidate Starts for Roksolana_85:
(1, 46037), (2, 46025), (3, 45971), (4, 45965), (5, 45959), (Start: 6 @45923 has 14 MA's), (7, 45911), (10, 45866),

Gene: Temprado_86 Start: 46027, Stop: 45938, Start Num: 6
Candidate Starts for Temprado_86:
(1, 46141), (2, 46129), (3, 46075), (4, 46069), (5, 46063), (Start: 6 @46027 has 14 MA's), (7, 46015), (10, 45970),

Gene: Wiks_84 Start: 45658, Stop: 45569, Start Num: 6
Candidate Starts for Wiks_84:
(1, 45772), (2, 45760), (3, 45706), (4, 45700), (5, 45694), (Start: 6 @45658 has 14 MA's), (7, 45646), (10, 45601),

Gene: WunderPhul_85 Start: 45656, Stop: 45567, Start Num: 6
Candidate Starts for WunderPhul_85:
(1, 45770), (2, 45758), (3, 45704), (4, 45698), (5, 45692), (Start: 6 @45656 has 14 MA's), (7, 45644), (10, 45599),

Gene: Yokurt_84 Start: 45658, Stop: 45569, Start Num: 6
Candidate Starts for Yokurt_84:
(1, 45772), (2, 45760), (3, 45706), (4, 45700), (5, 45694), (Start: 6 @45658 has 14 MA's), (7, 45646), (10, 45601),

Gene: Zulu_86 Start: 46036, Stop: 45947, Start Num: 6
Candidate Starts for Zulu_86:
(1, 46150), (2, 46138), (3, 46084), (4, 46078), (5, 46072), (Start: 6 @46036 has 14 MA's), (7, 46024), (10, 45979),