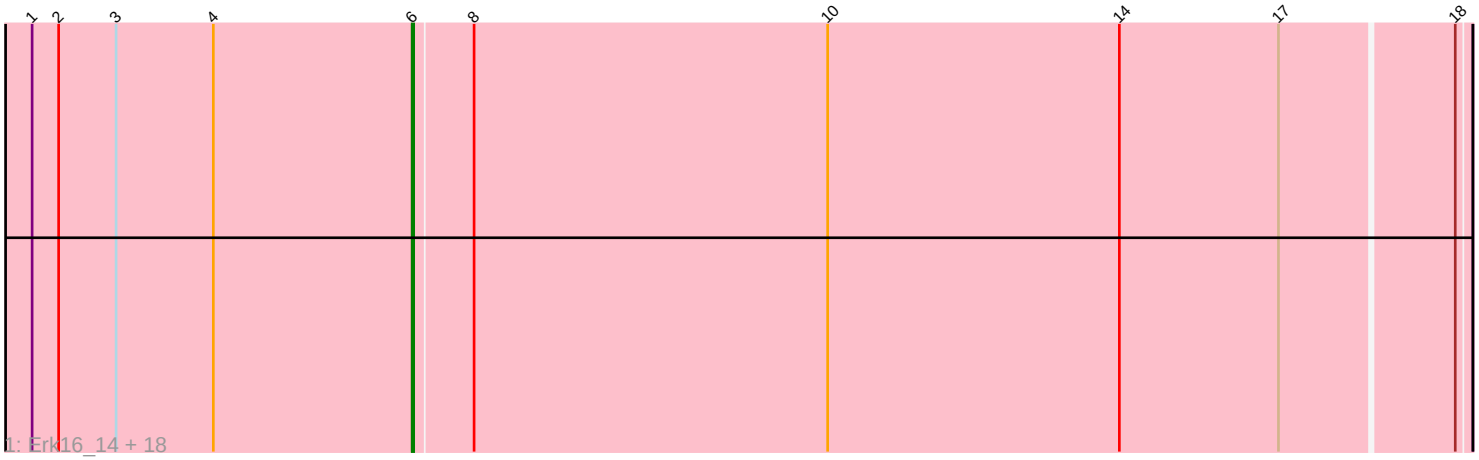
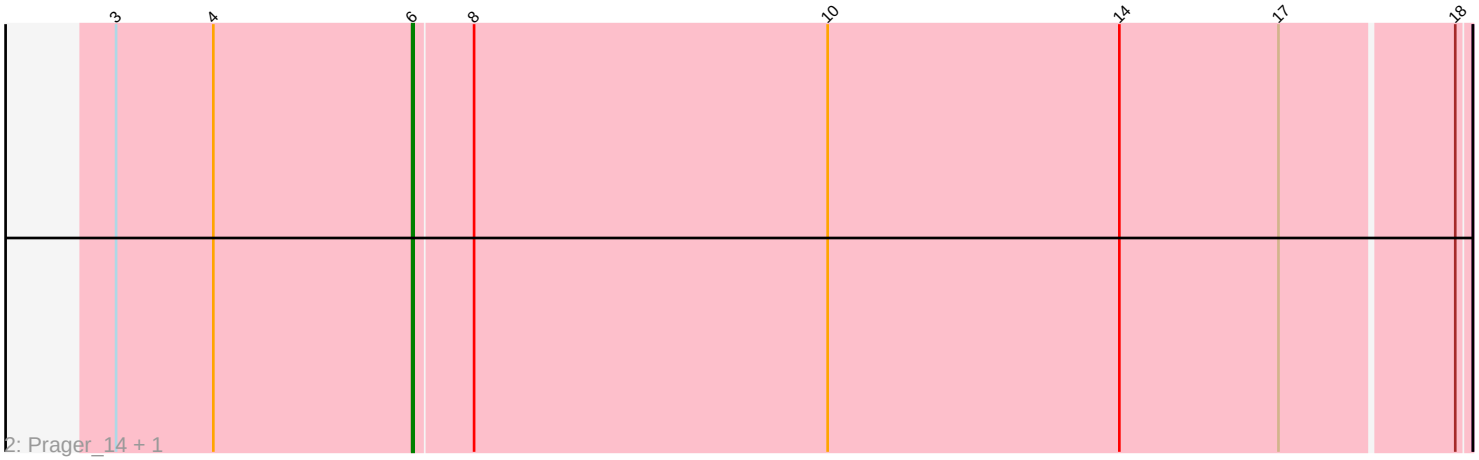
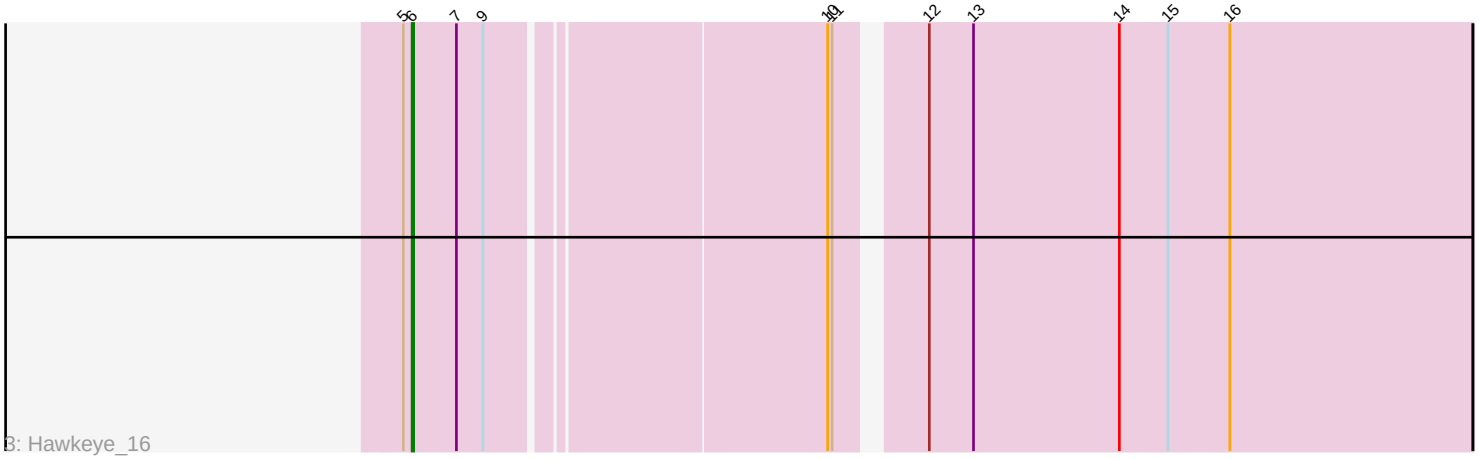
Pham 3376


1
2
3
4
6
8
10
14
17
18
1: Erk16_14 + 18


3
4
6
8
10
14
17
18
2: Prager_14 + 1


5
6
7
9
10
11
12
13
14
15
16
3: Hawkeye_16

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 3376 Report

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

Pham number 3376 has 22 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Erk16_14, Giuseppe_14, Adjutor_15, Mopey_14, BigMama_12, Delton_14, Thoth_14, Visconti_14, PLot_15, KandZ_14, PBI1_15, Chill_15, Gumball_13, Nova_14, Penelope2018_14, SirHarley_13, Troll4_14, Helpful_15, WaldoWhy_15
• Track 2 : Prager_14, Butterscotch_14
• Track 3 : Hawkeye_16

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 21 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Adjutor_15, BigMama_12, Butterscotch_14, Chill_15, Delton_14, Erk16_14, Giuseppe_14, Gumball_13, Hawkeye_16, Helpful_15, KandZ_14, Mopey_14, Nova_14, PBI1_15, PLot_15, Penelope2018_14, Prager_14, SirHarley_13, Thoth_14, Troll4_14, Visconti_14, WaldoWhy_15,

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 22 of 22 (100.0%) of genes in pham
• Manual Annotations of this start: 21 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adjutor_15 (D1), BigMama_12 (D1), Butterscotch_14 (D1), Chill_15 (D1), Delton_14 (D1), Erk16_14 (D1), Giuseppe_14 (D1), Gumball_13 (D1), Hawkeye_16 (D2), Helpful_15 (D1), KandZ_14 (D1), Mopey_14 (D1), Nova_14 (D1), PBI1_15 (D1), PLot_15 (D1), Penelope2018_14 (D1),

Prager_14 (D1), SirHarley_13 (D1), Thoth_14 (D1), Troll4_14 (D1), Visconti_14 (D1), WaldoWhy_15 (D1),

Summary by clusters:

There are 2 clusters represented in this pham: D2, D1,

Info for manual annotations of cluster D1:
•Start number 6 was manually annotated 20 times for cluster D1.

Info for manual annotations of cluster D2:
•Start number 6 was manually annotated 1 time for cluster D2.

Gene Information:

Gene: Adjutor_15 Start: 9669, Stop: 10376, Start Num: 6
Candidate Starts for Adjutor_15:
(1, 9411), (2, 9429), (3, 9468), (4, 9534), (Start: 6 @9669 has 21 MA's), (8, 9708), (10, 9948), (14, 10146), (17, 10254), (18, 10368),

Gene: BigMama_12 Start: 9742, Stop: 10449, Start Num: 6
Candidate Starts for BigMama_12:
(1, 9484), (2, 9502), (3, 9541), (4, 9607), (Start: 6 @9742 has 21 MA's), (8, 9781), (10, 10021), (14, 10219), (17, 10327), (18, 10441),

Gene: Butterscotch_14 Start: 9729, Stop: 10436, Start Num: 6
Candidate Starts for Butterscotch_14:
(3, 9528), (4, 9594), (Start: 6 @9729 has 21 MA's), (8, 9768), (10, 10008), (14, 10206), (17, 10314), (18, 10428),

Gene: Chill_15 Start: 9732, Stop: 10439, Start Num: 6
Candidate Starts for Chill_15:
(1, 9474), (2, 9492), (3, 9531), (4, 9597), (Start: 6 @9732 has 21 MA's), (8, 9771), (10, 10011), (14, 10209), (17, 10317), (18, 10431),

Gene: Delton_14 Start: 9738, Stop: 10445, Start Num: 6
Candidate Starts for Delton_14:
(1, 9480), (2, 9498), (3, 9537), (4, 9603), (Start: 6 @9738 has 21 MA's), (8, 9777), (10, 10017), (14, 10215), (17, 10323), (18, 10437),

Gene: Erk16_14 Start: 9732, Stop: 10439, Start Num: 6
Candidate Starts for Erk16_14:
(1, 9474), (2, 9492), (3, 9531), (4, 9597), (Start: 6 @9732 has 21 MA's), (8, 9771), (10, 10011), (14, 10209), (17, 10317), (18, 10431),

Gene: Giuseppe_14 Start: 9721, Stop: 10428, Start Num: 6
Candidate Starts for Giuseppe_14:
(1, 9463), (2, 9481), (3, 9520), (4, 9586), (Start: 6 @9721 has 21 MA's), (8, 9760), (10, 10000), (14, 10198), (17, 10306), (18, 10420),

Gene: Gumball_13 Start: 9676, Stop: 10383, Start Num: 6

Candidate Starts for Gumball_13:
(1, 9418), (2, 9436), (3, 9475), (4, 9541), (Start: 6 @9676 has 21 MA's), (8, 9715), (10, 9955), (14, 10153), (17, 10261), (18, 10375),

Gene: Hawkeye_16 Start: 9664, Stop: 10347, Start Num: 6
Candidate Starts for Hawkeye_16:
(5, 9658), (Start: 6 @9664 has 21 MA's), (7, 9694), (9, 9712), (10, 9928), (11, 9931), (12, 9979), (13, 10009), (14, 10108), (15, 10141), (16, 10183),

Gene: Helpful_15 Start: 9729, Stop: 10436, Start Num: 6
Candidate Starts for Helpful_15:
(1, 9471), (2, 9489), (3, 9528), (4, 9594), (Start: 6 @9729 has 21 MA's), (8, 9768), (10, 10008), (14, 10206), (17, 10314), (18, 10428),

Gene: KandZ_14 Start: 9826, Stop: 10533, Start Num: 6
Candidate Starts for KandZ_14:
(1, 9568), (2, 9586), (3, 9625), (4, 9691), (Start: 6 @9826 has 21 MA's), (8, 9865), (10, 10105), (14, 10303), (17, 10411), (18, 10525),

Gene: Mopey_14 Start: 9729, Stop: 10436, Start Num: 6
Candidate Starts for Mopey_14:
(1, 9471), (2, 9489), (3, 9528), (4, 9594), (Start: 6 @9729 has 21 MA's), (8, 9768), (10, 10008), (14, 10206), (17, 10314), (18, 10428),

Gene: Nova_14 Start: 10153, Stop: 10860, Start Num: 6
Candidate Starts for Nova_14:
(1, 9895), (2, 9913), (3, 9952), (4, 10018), (Start: 6 @10153 has 21 MA's), (8, 10192), (10, 10432), (14, 10630), (17, 10738), (18, 10852),

Gene: PBI1_15 Start: 9660, Stop: 10367, Start Num: 6
Candidate Starts for PBI1_15:
(1, 9402), (2, 9420), (3, 9459), (4, 9525), (Start: 6 @9660 has 21 MA's), (8, 9699), (10, 9939), (14, 10137), (17, 10245), (18, 10359),

Gene: PLot_15 Start: 9732, Stop: 10439, Start Num: 6
Candidate Starts for PLot_15:
(1, 9474), (2, 9492), (3, 9531), (4, 9597), (Start: 6 @9732 has 21 MA's), (8, 9771), (10, 10011), (14, 10209), (17, 10317), (18, 10431),

Gene: Penelope2018_14 Start: 9729, Stop: 10436, Start Num: 6
Candidate Starts for Penelope2018_14:
(1, 9471), (2, 9489), (3, 9528), (4, 9594), (Start: 6 @9729 has 21 MA's), (8, 9768), (10, 10008), (14, 10206), (17, 10314), (18, 10428),

Gene: Prager_14 Start: 9738, Stop: 10445, Start Num: 6
Candidate Starts for Prager_14:
(3, 9537), (4, 9603), (Start: 6 @9738 has 21 MA's), (8, 9777), (10, 10017), (14, 10215), (17, 10323), (18, 10437),

Gene: SirHarley_13 Start: 9658, Stop: 10365, Start Num: 6
Candidate Starts for SirHarley_13:
(1, 9400), (2, 9418), (3, 9457), (4, 9523), (Start: 6 @9658 has 21 MA's), (8, 9697), (10, 9937), (14, 10135), (17, 10243), (18, 10357),

Gene: Thoth_14 Start: 9726, Stop: 10433, Start Num: 6
Candidate Starts for Thoth_14:
(1, 9468), (2, 9486), (3, 9525), (4, 9591), (Start: 6 @9726 has 21 MA's), (8, 9765), (10, 10005), (14, 10203), (17, 10311), (18, 10425),

Gene: Troll4_14 Start: 9730, Stop: 10437, Start Num: 6
Candidate Starts for Troll4_14:
(1, 9472), (2, 9490), (3, 9529), (4, 9595), (Start: 6 @9730 has 21 MA's), (8, 9769), (10, 10009), (14, 10207), (17, 10315), (18, 10429),

Gene: Visconti_14 Start: 9739, Stop: 10446, Start Num: 6
Candidate Starts for Visconti_14:
(1, 9481), (2, 9499), (3, 9538), (4, 9604), (Start: 6 @9739 has 21 MA's), (8, 9778), (10, 10018), (14, 10216), (17, 10324), (18, 10438),

Gene: WaldoWhy_15 Start: 9732, Stop: 10439, Start Num: 6
Candidate Starts for WaldoWhy_15:
(1, 9474), (2, 9492), (3, 9531), (4, 9597), (Start: 6 @9732 has 21 MA's), (8, 9771), (10, 10011), (14, 10209), (17, 10317), (18, 10431),