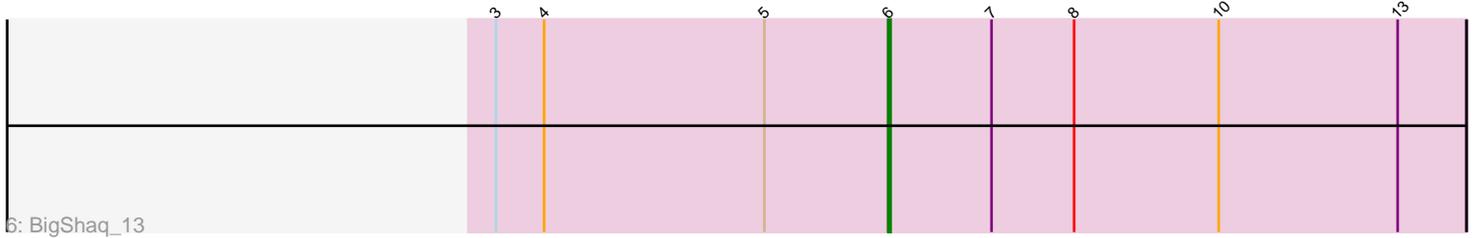
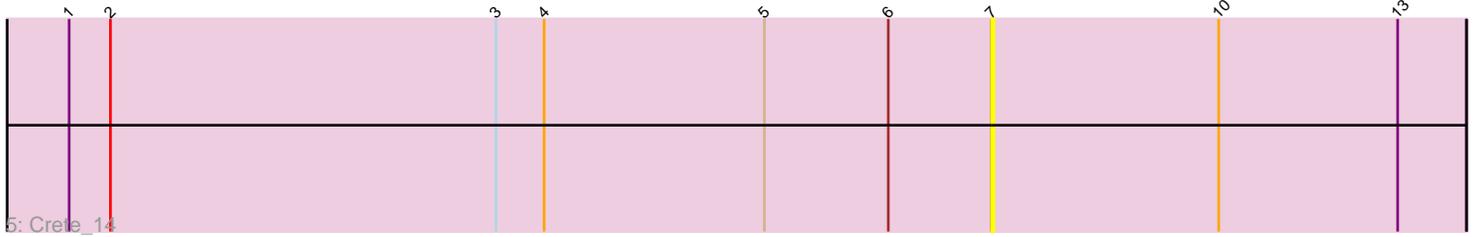
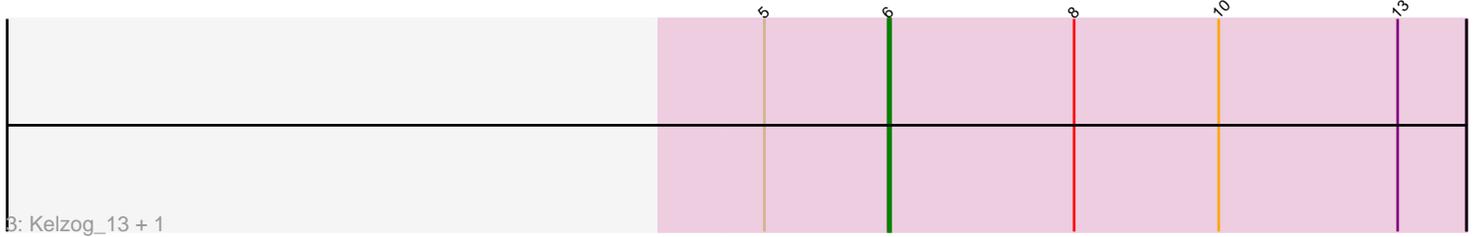


Pham 282521



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 282521 Report

This analysis was run 02/23/26 on database version 636.

Pham number 282521 has 18 members, 6 are drafts.

Phages represented in each track:

- Track 1 : GMA7_6
- Track 2 : Gorko_13, CinnamonToast_14, Butterball_13, Sombrero_13, RemRem_14, Exiguo_13, FelixAlejandro_14, Worcestershire_13, Msay19_14, Monty_12, Poland_14, BillyBobJr_14
- Track 3 : Kelzog_13, CathyBurgh_13
- Track 4 : Dakiti_13
- Track 5 : Crete_14
- Track 6 : BigShaq_13

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 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BigShaq_13, BillyBobJr_14, Butterball_13, CathyBurgh_13, CinnamonToast_14, Dakiti_13, Exiguo_13, FelixAlejandro_14, GMA7_6, Gorko_13, Kelzog_13, Monty_12, Msay19_14, Poland_14, RemRem_14, Sombrero_13, Worcestershire_13,

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

- Crete_14,

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: 12 of 12
- Called 94.4% of time when present
- Phage (with cluster) where this start called: BigShaq_13 (CS2), BillyBobJr_14 (CS2), Butterball_13 (CS2), CathyBurgh_13 (CS2), CinnamonToast_14 (CS2), Dakiti_13 (CS2), Exiguo_13 (CS2), FelixAlejandro_14 (CS2), GMA7_6 (CS1), Gorko_13 (CS2),

Kelzog_13 (CS2), Monty_12 (CS2), Msay19_14 (CS2), Poland_14 (CS2), RemRem_14 (CS2), Sombrero_13 (CS2), Worcestershire_13 (CS2),

Start 7:

- Found in 3 of 18 (16.7%) of genes in pham
- No Manual Annotations of this start.
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Crete_14 (CS2),

Summary by clusters:

There are 2 clusters represented in this pham: CS1, CS2,

Info for manual annotations of cluster CS2:

- Start number 6 was manually annotated 12 times for cluster CS2.

Gene Information:

Gene: BigShaq_13 Start: 12486, Stop: 12737, Start Num: 6

Candidate Starts for BigShaq_13:

(3, 12315), (4, 12336), (5, 12432), (Start: 6 @12486 has 12 MA's), (7, 12531), (8, 12567), (10, 12630), (13, 12708),

Gene: BillyBobJr_14 Start: 12516, Stop: 12767, Start Num: 6

Candidate Starts for BillyBobJr_14:

(5, 12462), (Start: 6 @12516 has 12 MA's), (8, 12597), (10, 12660), (13, 12738),

Gene: Butterball_13 Start: 12480, Stop: 12731, Start Num: 6

Candidate Starts for Butterball_13:

(5, 12426), (Start: 6 @12480 has 12 MA's), (8, 12561), (10, 12624), (13, 12702),

Gene: CathyBurgh_13 Start: 13352, Stop: 13603, Start Num: 6

Candidate Starts for CathyBurgh_13:

(5, 13298), (Start: 6 @13352 has 12 MA's), (8, 13433), (10, 13496), (13, 13574),

Gene: CinnamonToast_14 Start: 12516, Stop: 12767, Start Num: 6

Candidate Starts for CinnamonToast_14:

(5, 12462), (Start: 6 @12516 has 12 MA's), (8, 12597), (10, 12660), (13, 12738),

Gene: Crete_14 Start: 12782, Stop: 12988, Start Num: 7

Candidate Starts for Crete_14:

(1, 12380), (2, 12398), (3, 12566), (4, 12587), (5, 12683), (Start: 6 @12737 has 12 MA's), (7, 12782), (10, 12881), (13, 12959),

Gene: Dakiti_13 Start: 13354, Stop: 13605, Start Num: 6

Candidate Starts for Dakiti_13:

(5, 13300), (Start: 6 @13354 has 12 MA's), (7, 13399), (8, 13435), (10, 13498), (13, 13576),

Gene: Exiguo_13 Start: 12492, Stop: 12743, Start Num: 6

Candidate Starts for Exiguo_13:

(5, 12438), (Start: 6 @12492 has 12 MA's), (8, 12573), (10, 12636), (13, 12714),

Gene: FelixAlejandro_14 Start: 12678, Stop: 12929, Start Num: 6

Candidate Starts for FelixAlejandro_14:

(5, 12624), (Start: 6 @12678 has 12 MA's), (8, 12759), (10, 12822), (13, 12900),

Gene: GMA7_6 Start: 6743, Stop: 6994, Start Num: 6

Candidate Starts for GMA7_6:

(5, 6689), (Start: 6 @6743 has 12 MA's), (9, 6842), (10, 6887), (11, 6920), (12, 6935), (13, 6965),

Gene: Gorko_13 Start: 12484, Stop: 12735, Start Num: 6

Candidate Starts for Gorko_13:

(5, 12430), (Start: 6 @12484 has 12 MA's), (8, 12565), (10, 12628), (13, 12706),

Gene: Kelzog_13 Start: 13364, Stop: 13615, Start Num: 6

Candidate Starts for Kelzog_13:

(5, 13310), (Start: 6 @13364 has 12 MA's), (8, 13445), (10, 13508), (13, 13586),

Gene: Monty_12 Start: 12496, Stop: 12747, Start Num: 6

Candidate Starts for Monty_12:

(5, 12442), (Start: 6 @12496 has 12 MA's), (8, 12577), (10, 12640), (13, 12718),

Gene: Msay19_14 Start: 12670, Stop: 12921, Start Num: 6

Candidate Starts for Msay19_14:

(5, 12616), (Start: 6 @12670 has 12 MA's), (8, 12751), (10, 12814), (13, 12892),

Gene: Poland_14 Start: 12646, Stop: 12897, Start Num: 6

Candidate Starts for Poland_14:

(5, 12592), (Start: 6 @12646 has 12 MA's), (8, 12727), (10, 12790), (13, 12868),

Gene: RemRem_14 Start: 12492, Stop: 12743, Start Num: 6

Candidate Starts for RemRem_14:

(5, 12438), (Start: 6 @12492 has 12 MA's), (8, 12573), (10, 12636), (13, 12714),

Gene: Sombrero_13 Start: 12526, Stop: 12777, Start Num: 6

Candidate Starts for Sombrero_13:

(5, 12472), (Start: 6 @12526 has 12 MA's), (8, 12607), (10, 12670), (13, 12748),

Gene: Worcestershire_13 Start: 12494, Stop: 12745, Start Num: 6

Candidate Starts for Worcestershire_13:

(5, 12440), (Start: 6 @12494 has 12 MA's), (8, 12575), (10, 12638), (13, 12716),