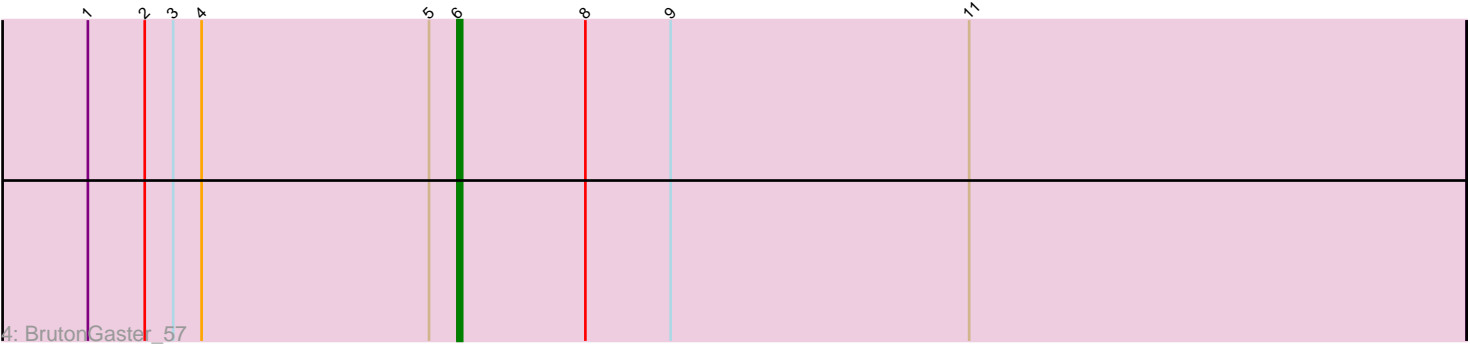
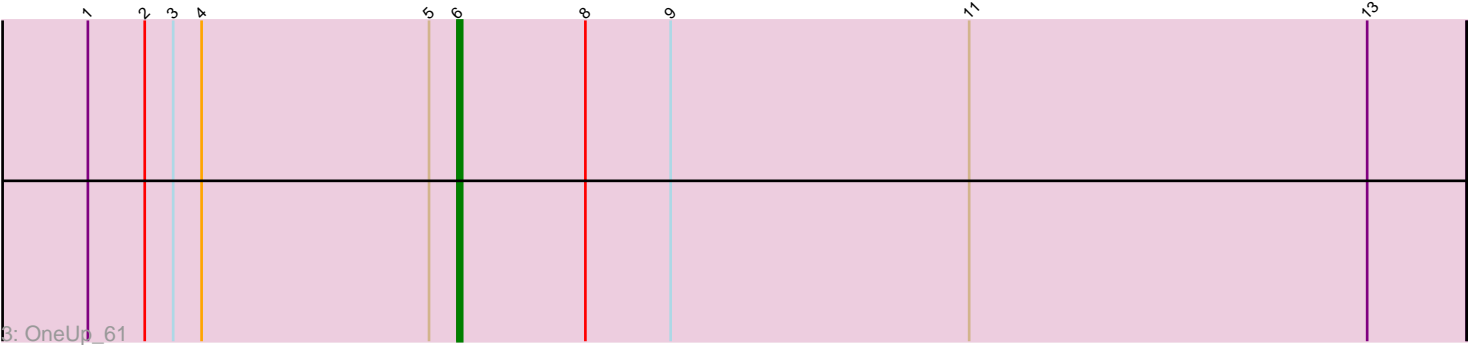
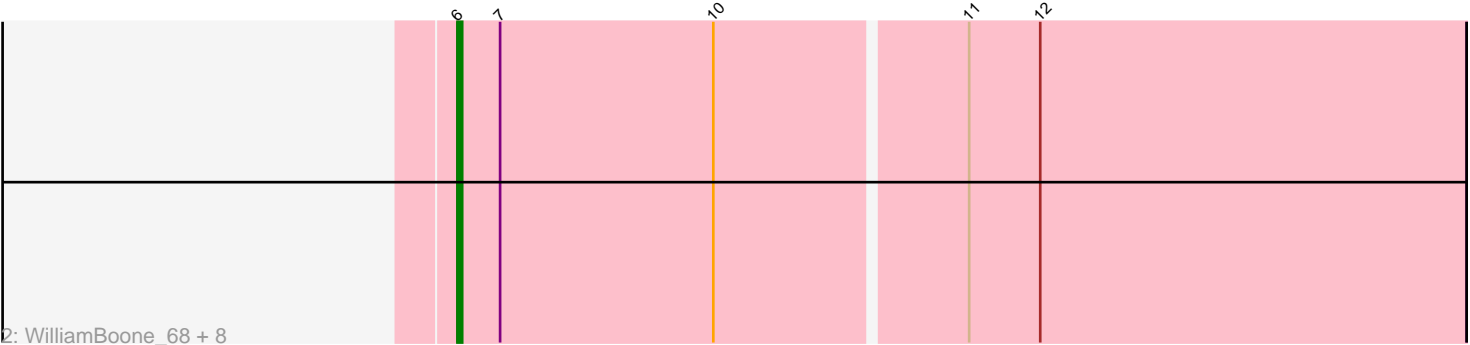
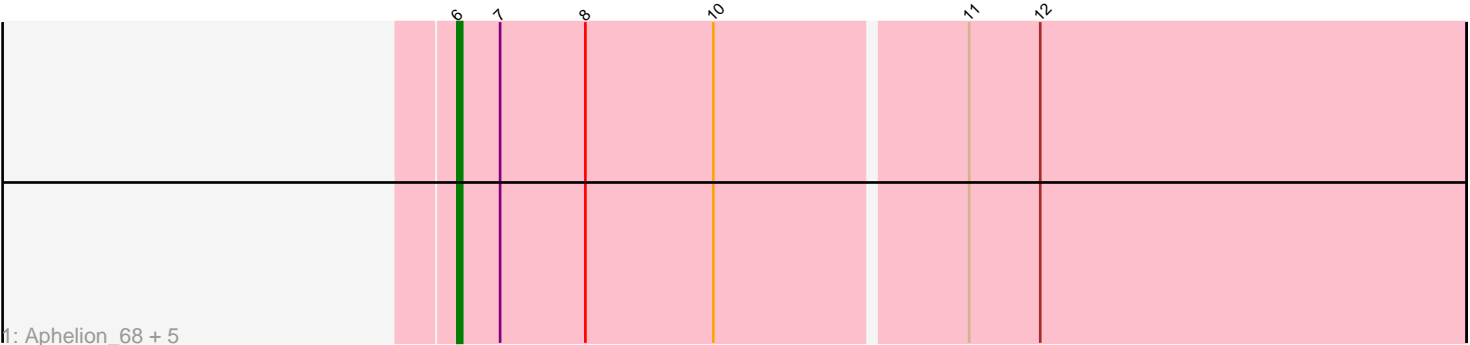


Pham 4616



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 4616 Report

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

Pham number 4616 has 17 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Aphelion_68, Norvs_69, PhinkBoden_68, Toniann_69, ClubL_69, Cucurbita_70
- Track 2 : WilliamBoone_68, Culver_70, Lozinak_69, Abscondus_68, Dusty_67, Engineer_70, Smoothie_70, Bachita_70, Miskis_70
- Track 3 : OneUp_61
- Track 4 : BrutonGaster_57

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:

- Abscondus_68, Aphelion_68, Bachita_70, BrutonGaster_57, ClubL_69, Cucurbita_70, Culver_70, Dusty_67, Engineer_70, Lozinak_69, Miskis_70, Norvs_69, OneUp_61, PhinkBoden_68, Smoothie_70, Toniann_69, WilliamBoone_68,

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 17 of 17 (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: Abscondus_68 (CQ), Aphelion_68 (CQ1), Bachita_70 (CQ1), BrutonGaster_57 (CQ2), ClubL_69 (CQ1), Cucurbita_70 (CQ1), Culver_70 (CQ1), Dusty_67 (CQ), Engineer_70 (CQ1), Lozinak_69 (CQ1), Miskis_70 (CQ), Norvs_69 (CQ), OneUp_61 (CQ2), PhinkBoden_68 (CQ1), Smoothie_70 (CQ1), Toniann_69 (CQ1), WilliamBoone_68 (CQ1),

Summary by clusters:

There are 3 clusters represented in this pham: CQ2, CQ, CQ1,

Info for manual annotations of cluster CQ:

- Start number 6 was manually annotated 1 time for cluster CQ.

Info for manual annotations of cluster CQ1:

- Start number 6 was manually annotated 11 times for cluster CQ1.

Info for manual annotations of cluster CQ2:

- Start number 6 was manually annotated 2 times for cluster CQ2.

Gene Information:

Gene: Abscondus_68 Start: 44562, Stop: 44771, Start Num: 6

Candidate Starts for Abscondus_68:

(Start: 6 @44562 has 14 MA's), (7, 44571), (10, 44616), (11, 44667), (12, 44682),

Gene: Aphelion_68 Start: 44827, Stop: 45036, Start Num: 6

Candidate Starts for Aphelion_68:

(Start: 6 @44827 has 14 MA's), (7, 44836), (8, 44854), (10, 44881), (11, 44932), (12, 44947),

Gene: Bachita_70 Start: 45252, Stop: 45461, Start Num: 6

Candidate Starts for Bachita_70:

(Start: 6 @45252 has 14 MA's), (7, 45261), (10, 45306), (11, 45357), (12, 45372),

Gene: BrutonGaster_57 Start: 42555, Stop: 42767, Start Num: 6

Candidate Starts for BrutonGaster_57:

(1, 42477), (2, 42489), (3, 42495), (4, 42501), (5, 42549), (Start: 6 @42555 has 14 MA's), (8, 42582), (9, 42600), (11, 42663),

Gene: ClubL_69 Start: 44754, Stop: 44963, Start Num: 6

Candidate Starts for ClubL_69:

(Start: 6 @44754 has 14 MA's), (7, 44763), (8, 44781), (10, 44808), (11, 44859), (12, 44874),

Gene: Cucurbita_70 Start: 46119, Stop: 46328, Start Num: 6

Candidate Starts for Cucurbita_70:

(Start: 6 @46119 has 14 MA's), (7, 46128), (8, 46146), (10, 46173), (11, 46224), (12, 46239),

Gene: Culver_70 Start: 44436, Stop: 44645, Start Num: 6

Candidate Starts for Culver_70:

(Start: 6 @44436 has 14 MA's), (7, 44445), (10, 44490), (11, 44541), (12, 44556),

Gene: Dusty_67 Start: 44569, Stop: 44778, Start Num: 6

Candidate Starts for Dusty_67:

(Start: 6 @44569 has 14 MA's), (7, 44578), (10, 44623), (11, 44674), (12, 44689),

Gene: Engineer_70 Start: 45225, Stop: 45434, Start Num: 6

Candidate Starts for Engineer_70:

(Start: 6 @45225 has 14 MA's), (7, 45234), (10, 45279), (11, 45330), (12, 45345),

Gene: Lozinak_69 Start: 45063, Stop: 45272, Start Num: 6

Candidate Starts for Lozinak_69:

(Start: 6 @45063 has 14 MA's), (7, 45072), (10, 45117), (11, 45168), (12, 45183),

Gene: Miskis_70 Start: 44593, Stop: 44802, Start Num: 6

Candidate Starts for Miskis_70:

(Start: 6 @44593 has 14 MA's), (7, 44602), (10, 44647), (11, 44698), (12, 44713),

Gene: Norvs_69 Start: 44832, Stop: 45041, Start Num: 6

Candidate Starts for Norvs_69:

(Start: 6 @44832 has 14 MA's), (7, 44841), (8, 44859), (10, 44886), (11, 44937), (12, 44952),

Gene: OneUp_61 Start: 44252, Stop: 44464, Start Num: 6

Candidate Starts for OneUp_61:

(1, 44174), (2, 44186), (3, 44192), (4, 44198), (5, 44246), (Start: 6 @44252 has 14 MA's), (8, 44279), (9, 44297), (11, 44360), (13, 44444),

Gene: PhinkBoden_68 Start: 45213, Stop: 45422, Start Num: 6

Candidate Starts for PhinkBoden_68:

(Start: 6 @45213 has 14 MA's), (7, 45222), (8, 45240), (10, 45267), (11, 45318), (12, 45333),

Gene: Smoothie_70 Start: 45063, Stop: 45272, Start Num: 6

Candidate Starts for Smoothie_70:

(Start: 6 @45063 has 14 MA's), (7, 45072), (10, 45117), (11, 45168), (12, 45183),

Gene: Toniann_69 Start: 44775, Stop: 44984, Start Num: 6

Candidate Starts for Toniann_69:

(Start: 6 @44775 has 14 MA's), (7, 44784), (8, 44802), (10, 44829), (11, 44880), (12, 44895),

Gene: WilliamBoone_68 Start: 43733, Stop: 43942, Start Num: 6

Candidate Starts for WilliamBoone_68:

(Start: 6 @43733 has 14 MA's), (7, 43742), (10, 43787), (11, 43838), (12, 43853),