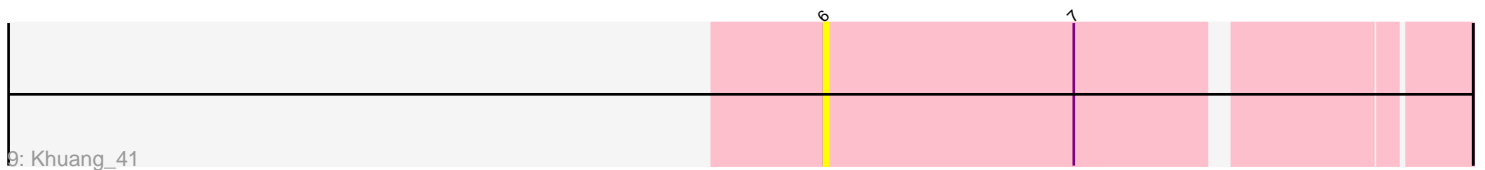
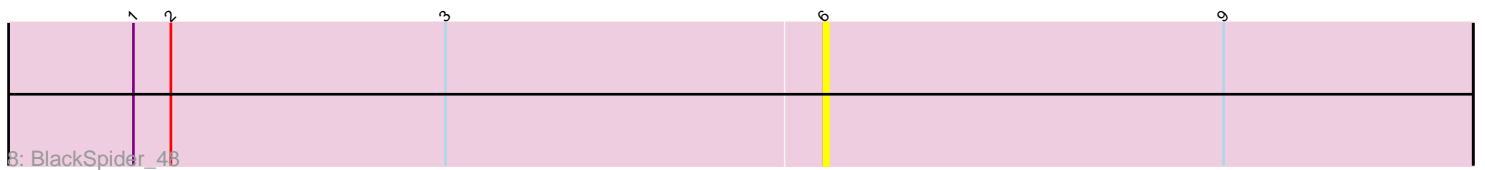
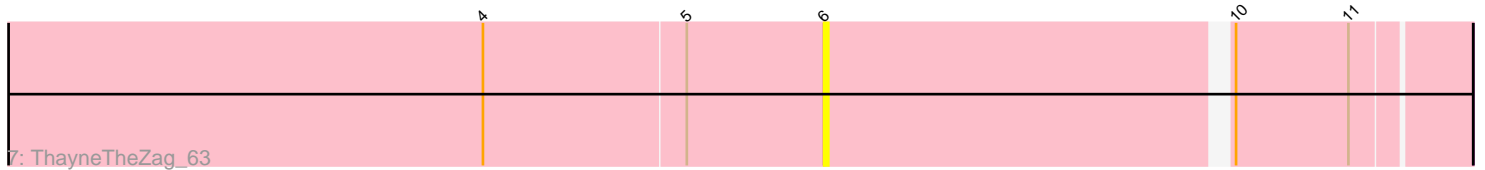
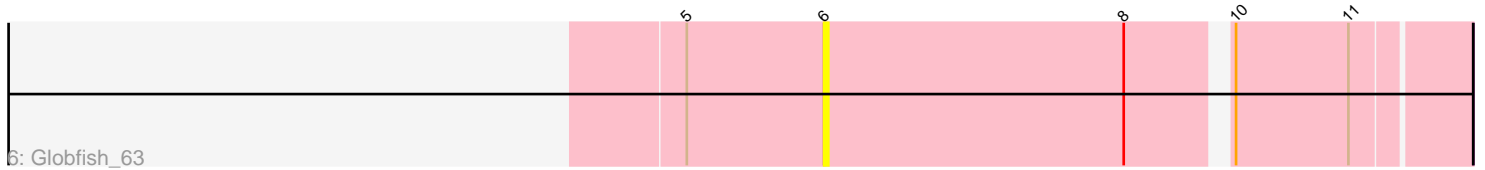
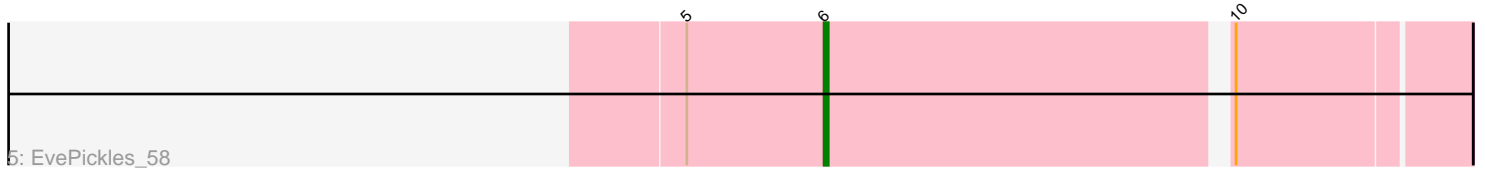
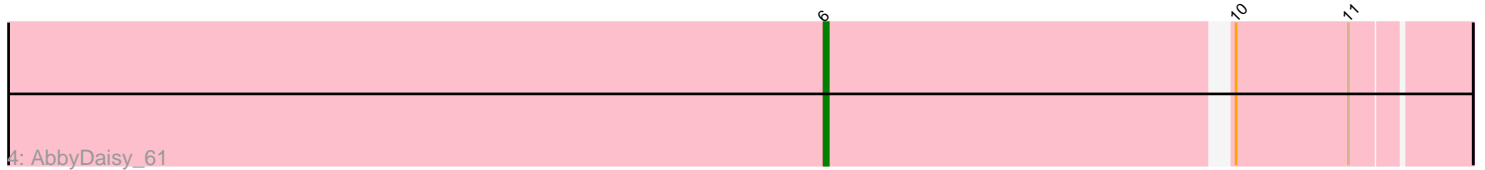
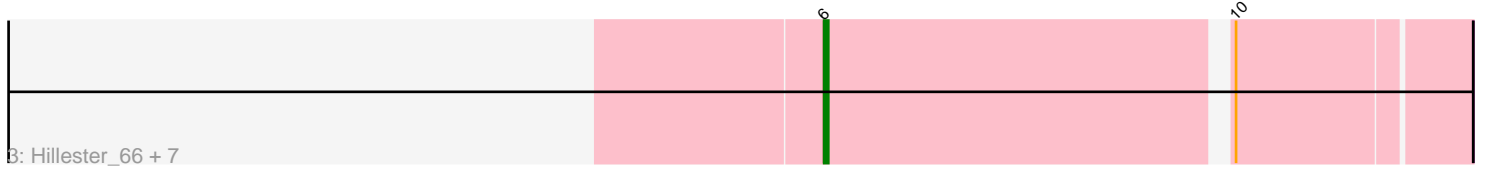
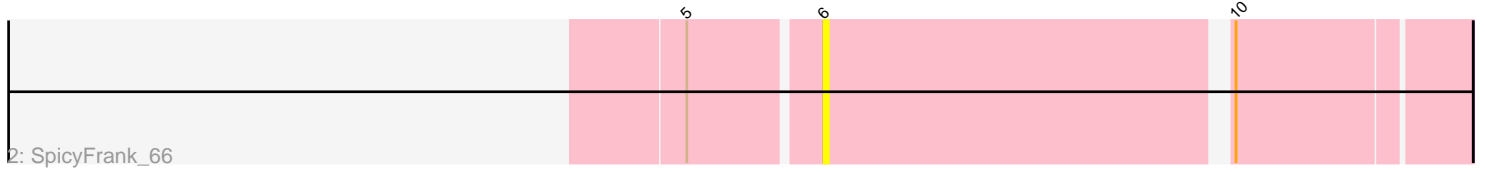
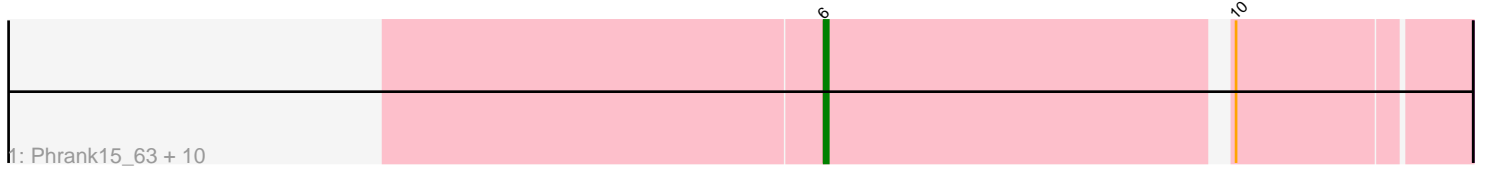


Pham 196770



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 196770 Report

This analysis was run 12/09/24 on database version 580.

Pham number 196770 has 26 members, 11 are drafts.

Phages represented in each track:

- Track 1 : Phrank15_63, Lawnathon_63, Isolde_61, Tiff81_61, Faja_62, CookieBear_62, Gorpy_62, Sakai_61, BenchScrapper_61, Aikyam_61, BillyTP_64
- Track 2 : SpicyFrank_66
- Track 3 : Hillester_66, Hestia_54, MidnightRain_66, YoungHarleezy_62, RadFad_66, Auxilium_58, Seahorse_64, Raphaella_61
- Track 4 : AbbyDaisy_61
- Track 5 : EvePickles_58
- Track 6 : Globfish_63
- Track 7 : ThayneTheZag_63
- Track 8 : BlackSpider_48
- Track 9 : Khuang_41

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 15 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AbbyDaisy_61, Aikyam_61, Auxilium_58, BenchScrapper_61, BillyTP_64, BlackSpider_48, CookieBear_62, EvePickles_58, Faja_62, Globfish_63, Gorpy_62, Hestia_54, Hillester_66, Isolde_61, Khuang_41, Lawnathon_63, MidnightRain_66, Phrank15_63, RadFad_66, Raphaella_61, Sakai_61, Seahorse_64, SpicyFrank_66, ThayneTheZag_63, Tiff81_61, YoungHarleezy_62,

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 26 of 26 (100.0%) of genes in pham

- Manual Annotations of this start: 15 of 15
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AbbyDaisy_61 (AY), Aikyam_61 (AY), Auxilium_58 (AY), BenchScraper_61 (AY), BillyTP_64 (AY), BlackSpider_48 (FN), CookieBear_62 (AY), EvePickles_58 (AY), Faja_62 (AY), Globfish_63 (AY), Gorpy_62 (AY), Hestia_54 (AY), Hillester_66 (AY), Isolde_61 (AY), Khuang_41 (UNK), Lawnathon_63 (AY), MidnightRain_66 (AY), Phrank15_63 (AY), RadFad_66 (AY), Raphaella_61 (AY), Sakai_61 (AY), Seahorse_64 (AY), SpicyFrank_66 (AY), ThayneTheZag_63 (AY), Tiff81_61 (AY), YoungHarleezy_62 (AY),

Summary by clusters:

There are 3 clusters represented in this pham: AY, UNK, FN,

Info for manual annotations of cluster AY:

- Start number 6 was manually annotated 15 times for cluster AY.

Gene Information:

Gene: AbbyDaisy_61 Start: 34661, Stop: 34807, Start Num: 6

Candidate Starts for AbbyDaisy_61:

(Start: 6 @34661 has 15 MA's), (10, 34754), (11, 34781),

Gene: Aikyam_61 Start: 32797, Stop: 32943, Start Num: 6

Candidate Starts for Aikyam_61:

(Start: 6 @32797 has 15 MA's), (10, 32890),

Gene: Auxilium_58 Start: 31951, Stop: 32097, Start Num: 6

Candidate Starts for Auxilium_58:

(Start: 6 @31951 has 15 MA's), (10, 32044),

Gene: BenchScraper_61 Start: 33989, Stop: 34135, Start Num: 6

Candidate Starts for BenchScraper_61:

(Start: 6 @33989 has 15 MA's), (10, 34082),

Gene: BillyTP_64 Start: 35844, Stop: 35990, Start Num: 6

Candidate Starts for BillyTP_64:

(Start: 6 @35844 has 15 MA's), (10, 35937),

Gene: BlackSpider_48 Start: 31009, Stop: 31164, Start Num: 6

Candidate Starts for BlackSpider_48:

(1, 30844), (2, 30853), (3, 30919), (Start: 6 @31009 has 15 MA's), (9, 31105),

Gene: CookieBear_62 Start: 34228, Stop: 34374, Start Num: 6

Candidate Starts for CookieBear_62:

(Start: 6 @34228 has 15 MA's), (10, 34321),

Gene: EvePickles_58 Start: 34376, Stop: 34522, Start Num: 6

Candidate Starts for EvePickles_58:

(5, 34343), (Start: 6 @34376 has 15 MA's), (10, 34469),

Gene: Faja_62 Start: 35603, Stop: 35749, Start Num: 6

Candidate Starts for Faja_62:

(Start: 6 @35603 has 15 MA's), (10, 35696),

Gene: Globfish_63 Start: 34815, Stop: 34961, Start Num: 6

Candidate Starts for Globfish_63:

(5, 34782), (Start: 6 @34815 has 15 MA's), (8, 34887), (10, 34908), (11, 34935),

Gene: Gorpy_62 Start: 35220, Stop: 35366, Start Num: 6

Candidate Starts for Gorpy_62:

(Start: 6 @35220 has 15 MA's), (10, 35313),

Gene: Hestia_54 Start: 31787, Stop: 31930, Start Num: 6

Candidate Starts for Hestia_54:

(Start: 6 @31787 has 15 MA's), (10, 31880),

Gene: Hillester_66 Start: 35567, Stop: 35713, Start Num: 6

Candidate Starts for Hillester_66:

(Start: 6 @35567 has 15 MA's), (10, 35660),

Gene: Isolde_61 Start: 33897, Stop: 34043, Start Num: 6

Candidate Starts for Isolde_61:

(Start: 6 @33897 has 15 MA's), (10, 33990),

Gene: Khuang_41 Start: 26450, Stop: 26304, Start Num: 6

Candidate Starts for Khuang_41:

(Start: 6 @26450 has 15 MA's), (7, 26390),

Gene: Lawnathon_63 Start: 34389, Stop: 34535, Start Num: 6

Candidate Starts for Lawnathon_63:

(Start: 6 @34389 has 15 MA's), (10, 34482),

Gene: MidnightRain_66 Start: 35738, Stop: 35884, Start Num: 6

Candidate Starts for MidnightRain_66:

(Start: 6 @35738 has 15 MA's), (10, 35831),

Gene: Phrank15_63 Start: 34520, Stop: 34666, Start Num: 6

Candidate Starts for Phrank15_63:

(Start: 6 @34520 has 15 MA's), (10, 34613),

Gene: RadFad_66 Start: 35567, Stop: 35713, Start Num: 6

Candidate Starts for RadFad_66:

(Start: 6 @35567 has 15 MA's), (10, 35660),

Gene: Raphaella_61 Start: 34087, Stop: 34233, Start Num: 6

Candidate Starts for Raphaella_61:

(Start: 6 @34087 has 15 MA's), (10, 34180),

Gene: Sakai_61 Start: 33931, Stop: 34077, Start Num: 6

Candidate Starts for Sakai_61:

(Start: 6 @33931 has 15 MA's), (10, 34024),

Gene: Seahorse_64 Start: 36074, Stop: 36220, Start Num: 6
Candidate Starts for Seahorse_64:
(Start: 6 @36074 has 15 MA's), (10, 36167),

Gene: SpicyFrank_66 Start: 35490, Stop: 35636, Start Num: 6
Candidate Starts for SpicyFrank_66:
(5, 35460), (Start: 6 @35490 has 15 MA's), (10, 35583),

Gene: ThayneTheZag_63 Start: 33945, Stop: 34091, Start Num: 6
Candidate Starts for ThayneTheZag_63:
(4, 33864), (5, 33912), (Start: 6 @33945 has 15 MA's), (10, 34038), (11, 34065),

Gene: Tiff81_61 Start: 32134, Stop: 32280, Start Num: 6
Candidate Starts for Tiff81_61:
(Start: 6 @32134 has 15 MA's), (10, 32227),

Gene: YoungHarleezy_62 Start: 34626, Stop: 34772, Start Num: 6
Candidate Starts for YoungHarleezy_62:
(Start: 6 @34626 has 15 MA's), (10, 34719),