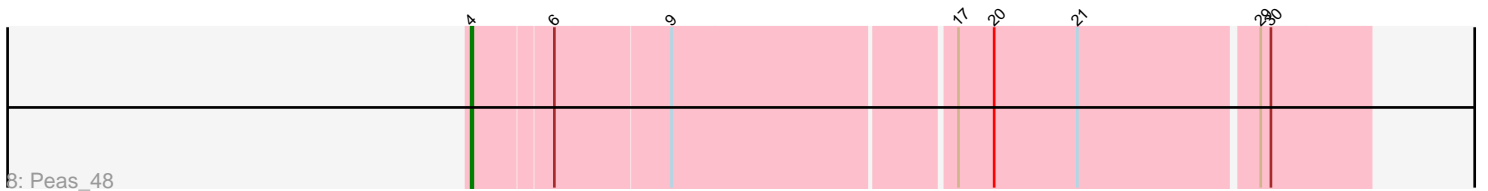
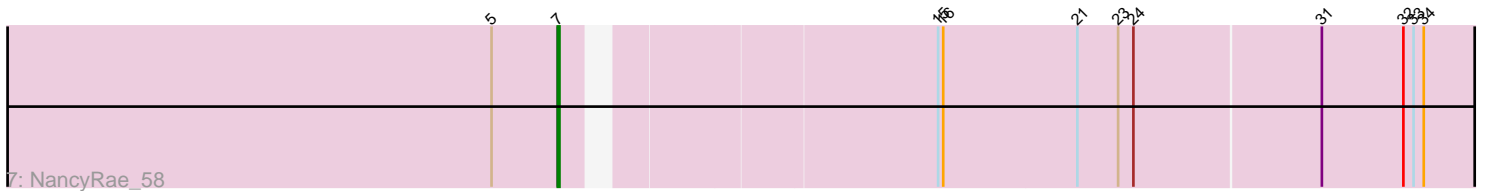
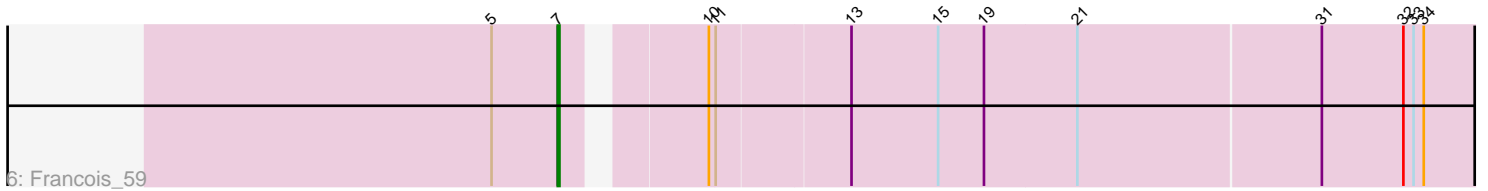
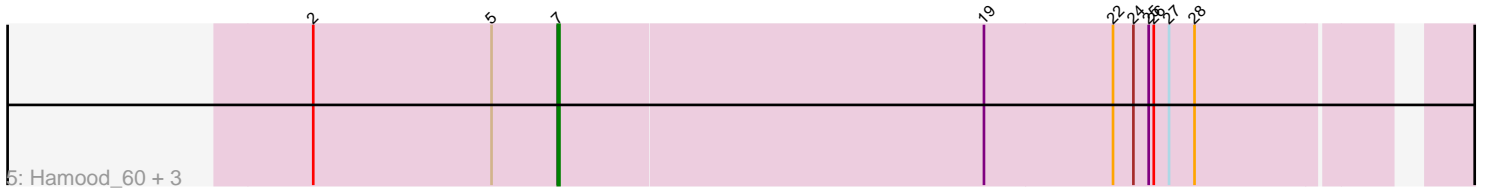
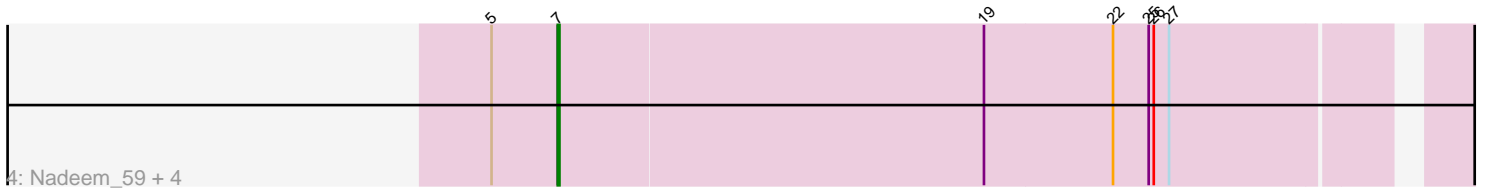
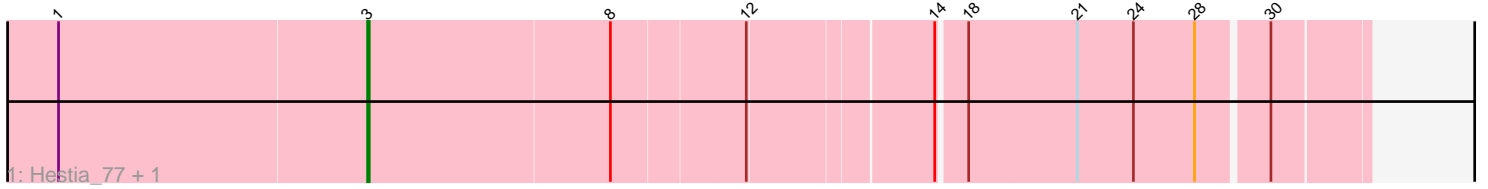


Pham 171841



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 171841 Report

This analysis was run 07/10/24 on database version 566.

Pham number 171841 has 16 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Hestia_77, Aikyam_82
- Track 2 : Pimento_62
- Track 3 : DelRio_60
- Track 4 : Nadeem_59, Brylie_59, Parada_59, Mulch_59, WheatThin_58
- Track 5 : Hamood_60, Chop_60, Ayotoya_60, GrandSlam_60
- Track 6 : Francois_59
- Track 7 : NancyRae_58
- Track 8 : Peas_48

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 7, it was called in 11 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ayotoya_60, Brylie_59, Chop_60, DelRio_60, Francois_59, GrandSlam_60, Hamood_60, Mulch_59, Nadeem_59, NancyRae_58, Parada_59, Pimento_62, WheatThin_58,

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

-

Genes that do not have the "Most Annotated" start:

- Aikyam_82, Hestia_77, Peas_48,

Summary by start number:

Start 3:

- Found in 2 of 16 (12.5%) of genes in pham
- Manual Annotations of this start: 1 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aikyam_82 (AY), Hestia_77 (AY),

Start 4:

- Found in 1 of 16 (6.2%) of genes in pham
- Manual Annotations of this start: 1 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Peas_48 (FA),

Start 7:

- Found in 13 of 16 (81.2%) of genes in pham
- Manual Annotations of this start: 11 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ayotoya_60 (DI), Brylie_59 (DI), Chop_60 (DI), DelRio_60 (DI), Francois_59 (DI), GrandSlam_60 (DI), Hamood_60 (DI), Mulch_59 (DI), Nadeem_59 (DI), NancyRae_58 (DI), Parada_59 (DI), Pimento_62 (DI), WheatThin_58 (DI),

Summary by clusters:

There are 3 clusters represented in this pham: AY, FA, DI,

Info for manual annotations of cluster AY:

- Start number 3 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster DI:

- Start number 7 was manually annotated 11 times for cluster DI.

Info for manual annotations of cluster FA:

- Start number 4 was manually annotated 1 time for cluster FA.

Gene Information:

Gene: Aikyam_82 Start: 45399, Stop: 45956, Start Num: 3

Candidate Starts for Aikyam_82:

(1, 45219), (Start: 3 @45399 has 1 MA's), (8, 45540), (12, 45615), (14, 45717), (18, 45732), (21, 45795), (24, 45828), (28, 45864), (30, 45903),

Gene: Ayotoya_60 Start: 40557, Stop: 41096, Start Num: 7

Candidate Starts for Ayotoya_60:

(2, 40413), (5, 40518), (Start: 7 @40557 has 11 MA's), (19, 40806), (22, 40881), (24, 40893), (25, 40902), (26, 40905), (27, 40914), (28, 40929),

Gene: Brylie_59 Start: 39537, Stop: 40076, Start Num: 7

Candidate Starts for Brylie_59:

(5, 39498), (Start: 7 @39537 has 11 MA's), (19, 39786), (22, 39861), (25, 39882), (26, 39885), (27, 39894),

Gene: Chop_60 Start: 40308, Stop: 40847, Start Num: 7

Candidate Starts for Chop_60:

(2, 40164), (5, 40269), (Start: 7 @40308 has 11 MA's), (19, 40557), (22, 40632), (24, 40644), (25, 40653), (26, 40656), (27, 40665), (28, 40680),

Gene: DelRio_60 Start: 40718, Stop: 41257, Start Num: 7

Candidate Starts for DelRio_60:

(5, 40679), (Start: 7 @40718 has 11 MA's), (22, 41042), (24, 41054), (25, 41063), (26, 41066), (28, 41090),

Gene: Francois_59 Start: 39804, Stop: 40343, Start Num: 7

Candidate Starts for Francois_59:

(5, 39765), (Start: 7 @39804 has 11 MA's), (10, 39873), (11, 39876), (13, 39951), (15, 40002), (19, 40029), (21, 40083), (31, 40224), (32, 40272), (33, 40278), (34, 40284),

Gene: GrandSlam_60 Start: 40308, Stop: 40847, Start Num: 7

Candidate Starts for GrandSlam_60:

(2, 40164), (5, 40269), (Start: 7 @40308 has 11 MA's), (19, 40557), (22, 40632), (24, 40644), (25, 40653), (26, 40656), (27, 40665), (28, 40680),

Gene: Hamood_60 Start: 40308, Stop: 40847, Start Num: 7

Candidate Starts for Hamood_60:

(2, 40164), (5, 40269), (Start: 7 @40308 has 11 MA's), (19, 40557), (22, 40632), (24, 40644), (25, 40653), (26, 40656), (27, 40665), (28, 40680),

Gene: Hestia_77 Start: 44735, Stop: 45292, Start Num: 3

Candidate Starts for Hestia_77:

(1, 44555), (Start: 3 @44735 has 1 MA's), (8, 44876), (12, 44951), (14, 45053), (18, 45068), (21, 45131), (24, 45164), (28, 45200), (30, 45239),

Gene: Mulch_59 Start: 39537, Stop: 40076, Start Num: 7

Candidate Starts for Mulch_59:

(5, 39498), (Start: 7 @39537 has 11 MA's), (19, 39786), (22, 39861), (25, 39882), (26, 39885), (27, 39894),

Gene: Nadeem_59 Start: 39525, Stop: 40064, Start Num: 7

Candidate Starts for Nadeem_59:

(5, 39486), (Start: 7 @39525 has 11 MA's), (19, 39774), (22, 39849), (25, 39870), (26, 39873), (27, 39882),

Gene: NancyRae_58 Start: 39535, Stop: 40074, Start Num: 7

Candidate Starts for NancyRae_58:

(5, 39496), (Start: 7 @39535 has 11 MA's), (15, 39733), (16, 39736), (21, 39814), (23, 39838), (24, 39847), (31, 39955), (32, 40003), (33, 40009), (34, 40015),

Gene: Parada_59 Start: 39537, Stop: 40076, Start Num: 7

Candidate Starts for Parada_59:

(5, 39498), (Start: 7 @39537 has 11 MA's), (19, 39786), (22, 39861), (25, 39882), (26, 39885), (27, 39894),

Gene: Peas_48 Start: 33578, Stop: 34081, Start Num: 4

Candidate Starts for Peas_48:

(Start: 4 @33578 has 1 MA's), (6, 33623), (9, 33689), (17, 33848), (20, 33869), (21, 33917), (29, 34019), (30, 34025),

Gene: Pimento_62 Start: 39447, Stop: 39986, Start Num: 7

Candidate Starts for Pimento_62:

(5, 39408), (Start: 7 @39447 has 11 MA's), (22, 39771), (24, 39783), (25, 39792), (26, 39795), (28, 39819),

Gene: WheatThin_58 Start: 39525, Stop: 40064, Start Num: 7

Candidate Starts for WheatThin_58:

(5, 39486), (Start: 7 @39525 has 11 MA's), (19, 39774), (22, 39849), (25, 39870), (26, 39873), (27, 39882),